

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061641.D
 Acq On : 6 Apr 2019 13:58
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 2:57:29 AM

4/11/2019 2:57:29 AM

Quant Time: Apr 08 07:26:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	719961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1225385	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	923900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	432156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	441569	83.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.54%	
35) Dibromofluoromethane	6.91	113	688102	82.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.52%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	13.55	95	611667	77.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	776961	102.848	ug/l	99
3) Chloromethane	1.75	50	570495	93.587	ug/l	96
4) Vinyl Chloride	1.84	62	596574	101.880	ug/l	100
6) Chloroethane	2.25	64	156101	84.845	ug/l	97
7) Trichlorofluoromethane	2.51	101	818386	94.961	ug/l	98
8) Diethyl Ether	2.87	74	253137	101.416	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	819430	95.508	ug/l	97
10) Methyl Iodide	3.30	142	1351445	122.383	ug/l	99
11) Tert butyl alcohol	4.06	59	193163	527.183	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	706300	94.921	ug/l	94
13) Acrolein	3.03	56	223853	508.618	ug/l	99
14) Allvl chloride	3.61	41	1063482	102.892	ug/l	98
15) Acrylonitrile	4.18	53	604524	500.709	ug/l	97
16) Acetone	3.21	43	873189	551.682	ug/l	98
17) Carbon Disulfide	3.37	76	2404452	99.386	ug/l	99
18) Methyl Acetate	3.63	43	294077	95.592	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	1270962	99.680	ug/l	99
20) Methylene Chloride	3.80	84	787008	87.036	ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	763941	95.205	ug/l	99
22) Diisopropyl ether	5.10	45	2027906	95.663	ug/l	97
23) Vinyl Acetate	5.04	43	5757990	491.396	ug/l	100
24) 1,1-Dichloroethane	4.97	63	1328514	101.693	ug/l	100
25) 2-Butanone	6.06	43	980807	530.240	ug/l	99
26) 2,2-Dichloropropane	6.01	77	998597	94.084	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	791280	92.532	ug/l	93
28) Bromochloromethane	6.43	49	499870	107.143	ug/l	99
29) Tetrahydrofuran	6.44	42	468672	529.060	ug/l	99
30) Chloroform	6.66	83	1362346	100.203	ug/l	97
31) Cyclohexane	6.94	56	1022187	102.043	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	1180843	98.883	ug/l	99
36) 1,1-Dichloropropene	7.14	75	989581	90.324	ug/l	99
37) Ethyl Acetate	6.17	43	414671	91.174	ug/l	97
38) Carbon Tetrachloride	7.10	117	1175676m	92.898	ug/l	
39) Methylcyclohexane	8.85	83	1105632	96.804	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.45	78	2485898	93.778	ug/l	99
41) Methacrylonitrile	6.43	41	528776	103.156	ug/l	99
42) 1,2-Dichloroethane	7.57	62	835955	99.775	ug/l	98
43) Isopropyl Acetate	9.23	43	655427	100.280	ug/l #	98
44) Trichloroethene	8.53	130	1018657	100.874	ug/l	98
45) 1,2-Dichloropropane	8.93	63	646389	99.545	ug/l	98
46) Dibromomethane	9.05	93	463397	100.681	ug/l	95
47) Bromodichloromethane	9.37	83	1013768	98.535	ug/l	100
48) Methyl methacrylate	9.11	41	379602	105.038	ug/l	99
49) 1,4-Dioxane	9.07	88	89468	2236.633	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	1848341	480.270	ug/l	95
52) Toluene	10.51	92	1550542	94.426	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	907118	99.836	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	1066663	95.297	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	529479	97.797	ug/l	97
56) Ethyl methacrylate	11.04	69	596509	101.402	ug/l	99
57) 1,3-Dichloropropane	11.40	76	777529	95.117	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	1206498	452.700	ug/l	100
59) 2-Hexanone	11.53	43	1416061	487.555	ug/l	94
60) Dibromochloromethane	11.68	129	827960	96.075	ug/l	99
61) 1,2-Dibromoethane	11.80	107	617692	96.681	ug/l	98
64) Tetrachloroethene	11.26	164	737350	104.588	ug/l	97
65) Chlorobenzene	12.40	112	1699367	93.295	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	650947	89.870	ug/l	98
67) Ethyl Benzene	12.53	91	2382346	82.108	ug/l	99
68) m/p-Xylenes	12.66	106	1904433	177.700	ug/l	98
69) o-Xylene	13.05	106	957337	92.365	ug/l	94
70) Stvrene	13.07	104	1637178	92.240	ug/l	97
71) Bromoform	13.23	173	486078	112.452	ug/l #	98
73) Isopropylbenzene	13.40	105	2714741	93.336	ug/l	96
74) N-amyl acetate	13.26	43	842715	107.201	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	582855	100.215	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	592964	102.251	ug/l	98
77) Bromobenzene	13.67	156	809856	95.038	ug/l	85
78) n-propylbenzene	13.78	91	3143017	91.864	ug/l	94
79) 2-Chlorotoluene	13.83	91	1694654	86.621	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	2000365	87.631	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	178605	99.511	ug/l	96
82) 4-Chlorotoluene	13.94	91	1746708	81.710	ug/l	95
83) tert-Butylbenzene	14.19	119	2462827	90.180	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	2076346	88.516	ug/l	97
85) sec-Butylbenzene	14.37	105	2736970	93.830	ug/l	96
86) p-Isopropyltoluene	14.48	119	2361829	87.767	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1411393	97.255	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1334842	92.861	ug/l	97
89) n-Butylbenzene	14.80	91	1929727	83.529	ug/l	97
90) Hexachloroethane	15.01	117	669534	96.388	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	1027560	86.345	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	82747	113.716	ug/l	63
93) 1,2,4-Trichlorobenzene	15.94	180	578455	96.080	ug/l	95

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VSTDICC100

Manual Integrations
APPROVED

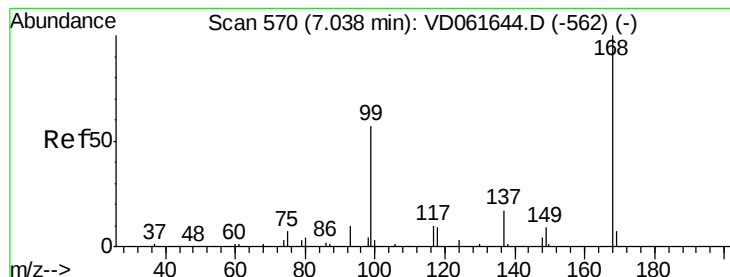
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.04	225	449489	97.027	ug/l	100
95) Naphthalene	16.12	128	1033349	108.830	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	292460	98.108	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

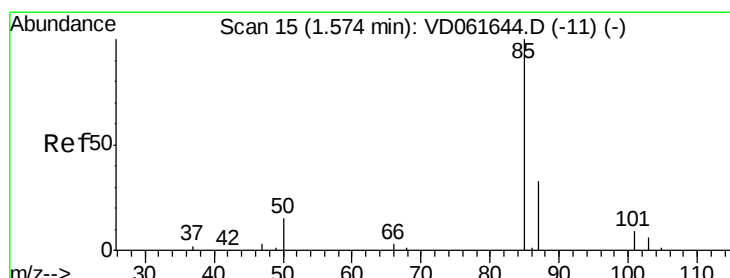
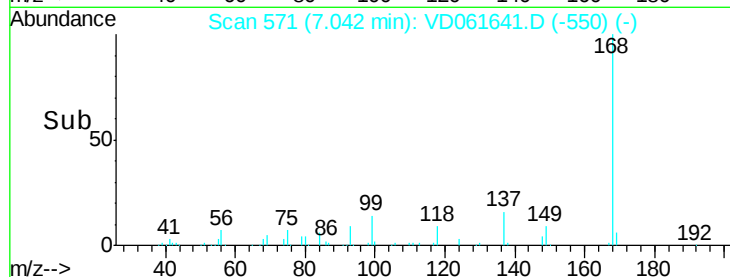
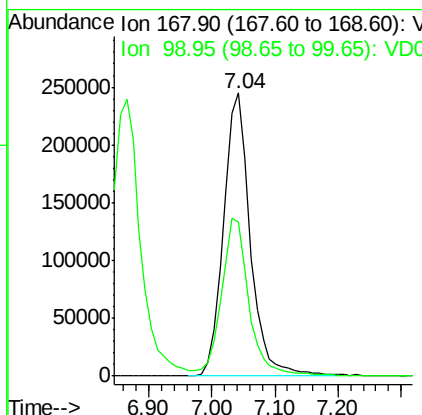
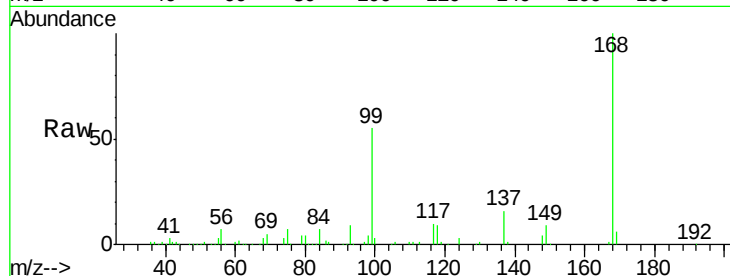
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.6	46.8	70.2

Manual Integrations
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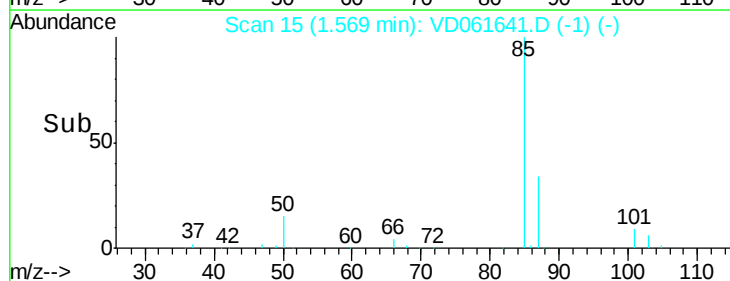
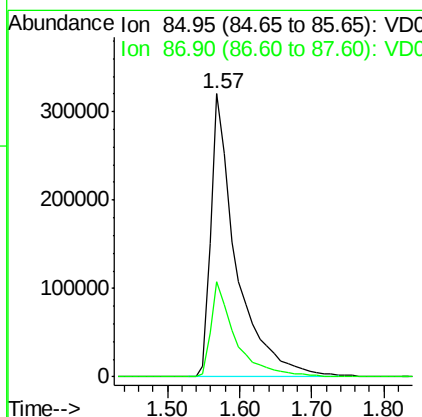
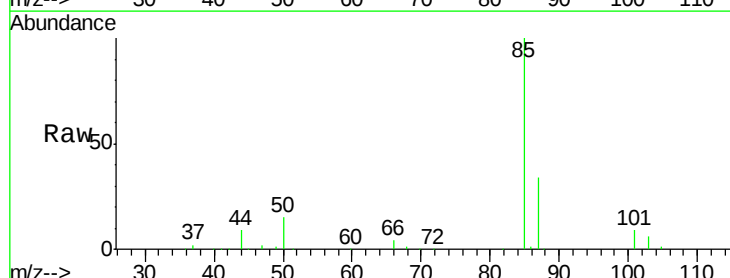
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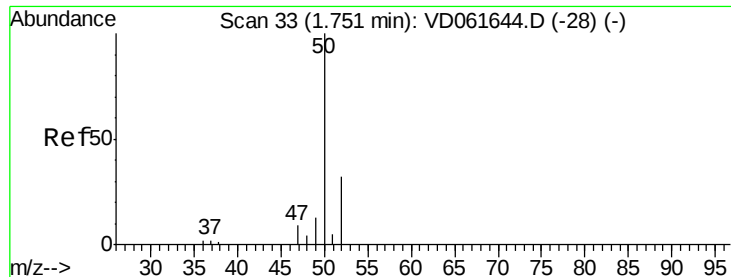
4/11/2019 2:57:29 AM



#2
Dichlorodifluoromethane
Concen: 102.848 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.6	49.8





#3

Chloromethane

Concen: 93.587 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 570495

Ion Ratio Lower Upper

50 100

52 33.5 25.1 37.7

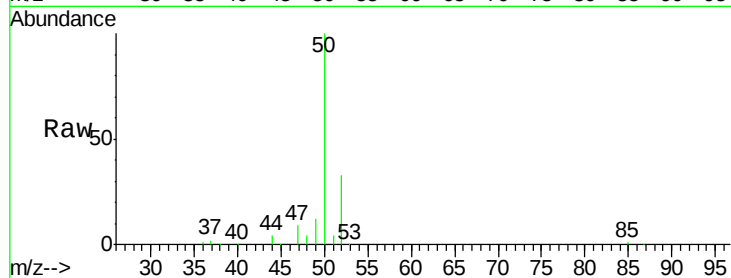
Manual Integrations

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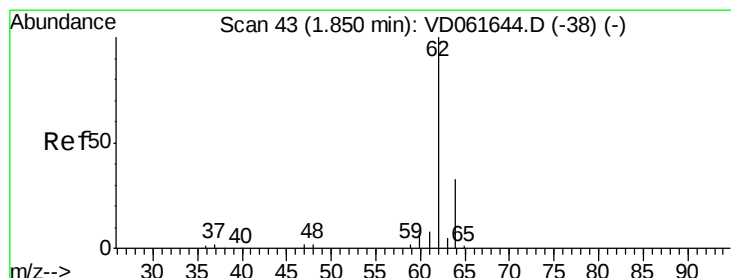
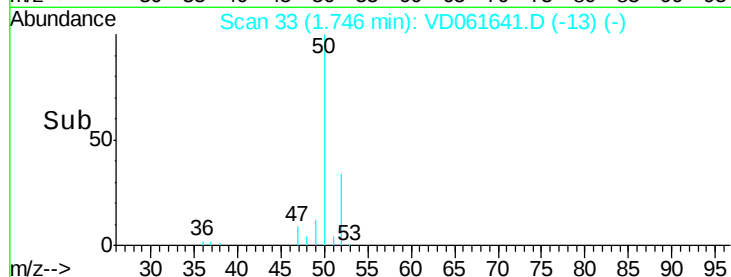
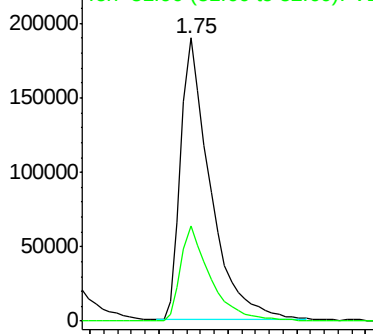
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 101.880 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061641.D

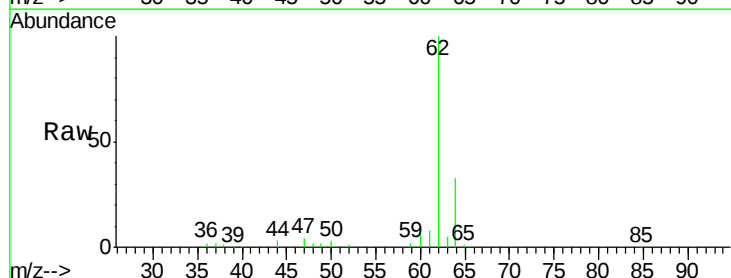
Acq: 6 Apr 2019 13:58

Tgt Ion: 62 Resp: 596574

Ion Ratio Lower Upper

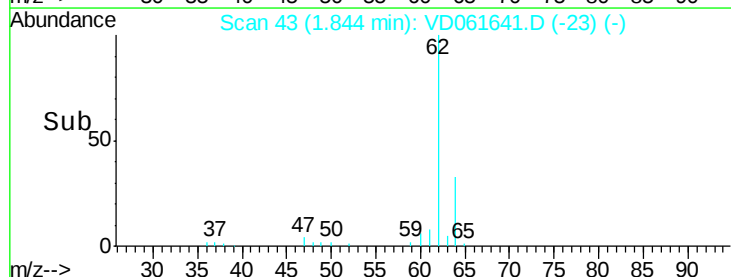
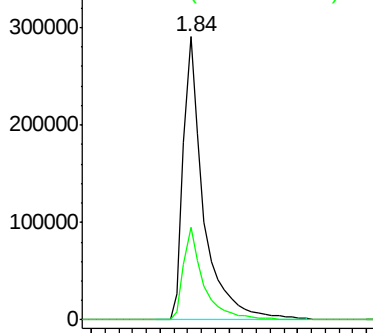
62 100

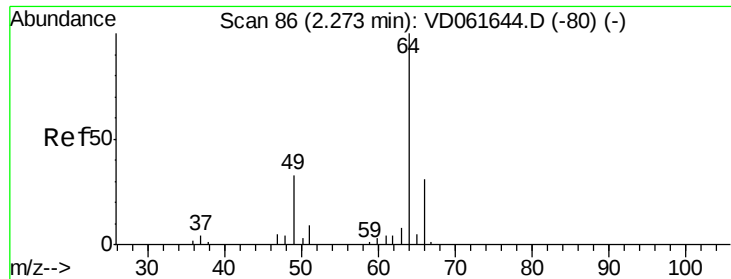
64 32.8 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#6

Chloroethane

Concen: 84.845 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD061641.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 64 Resp: 156101

Ion Ratio Lower Upper

64 100

66 29.6 24.9 37.3

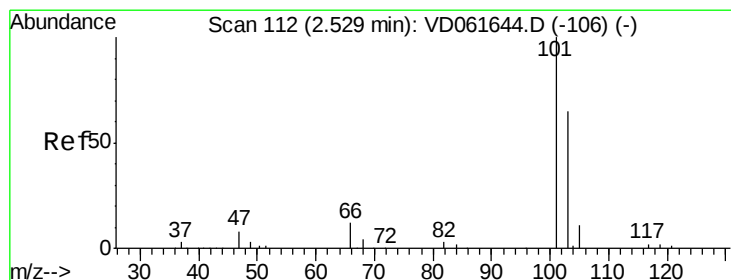
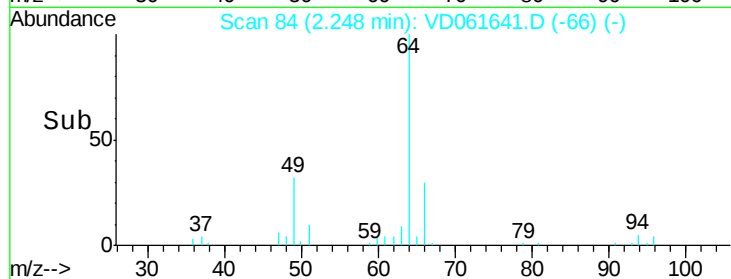
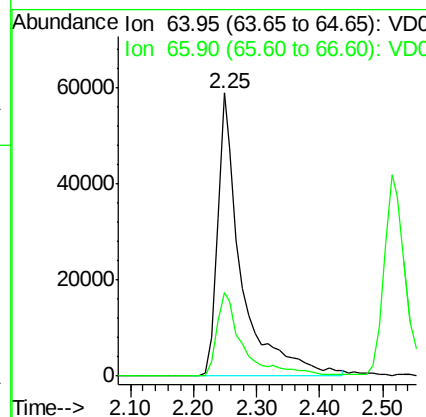
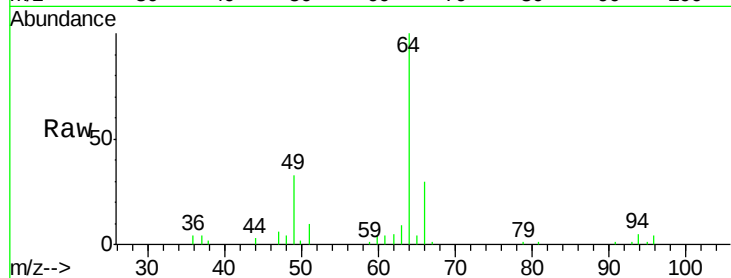
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#7

Trichlorofluoromethane

Concen: 94.961 ug/l

RT: 2.51 min Scan# 111

Delta R.T. -0.02 min

Lab File: VD061641.D

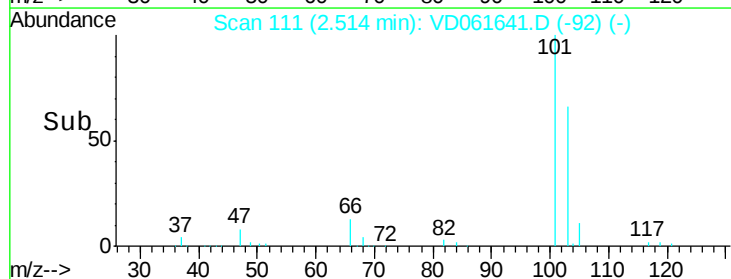
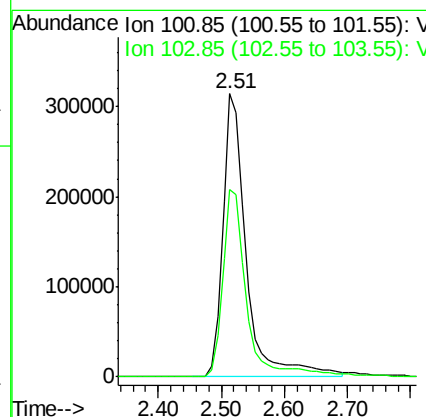
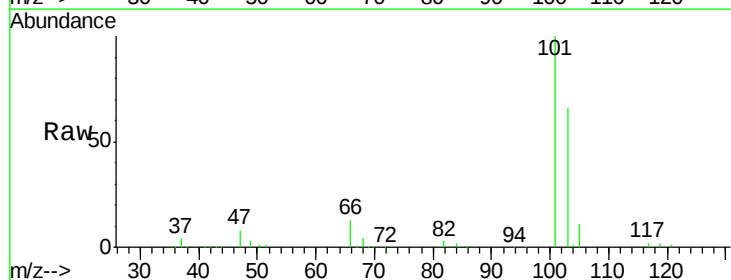
Acq: 6 Apr 2019 13:58

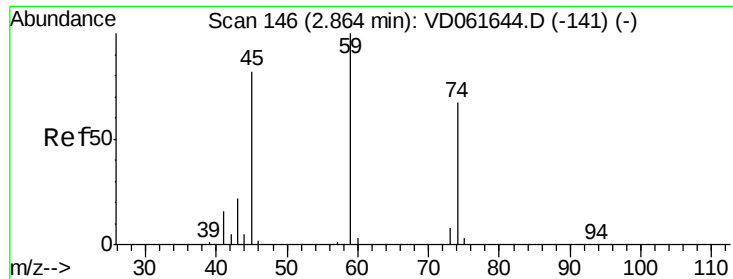
Tgt Ion: 101 Resp: 818386

Ion Ratio Lower Upper

101 100

103 66.2 52.0 78.0





#8

Diethyl Ether

Concen: 101.416 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.00 min

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Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 74 Resp: 253137

Ion Ratio Lower Upper

74 100

45 118.3 61.0 183.0

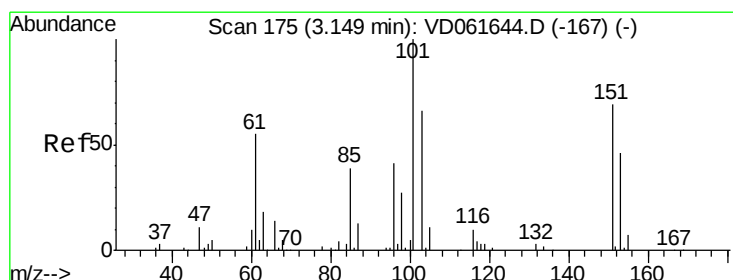
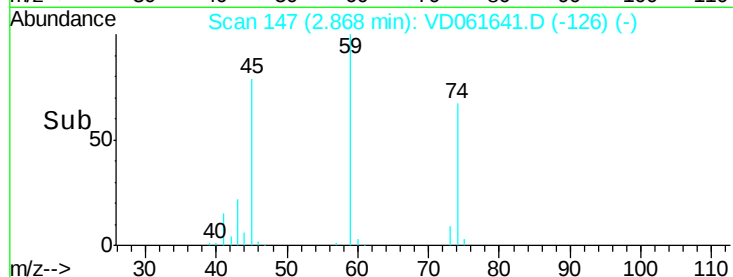
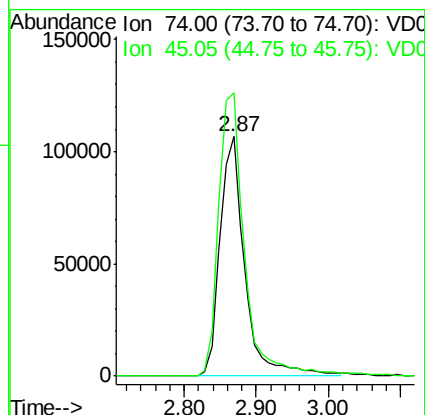
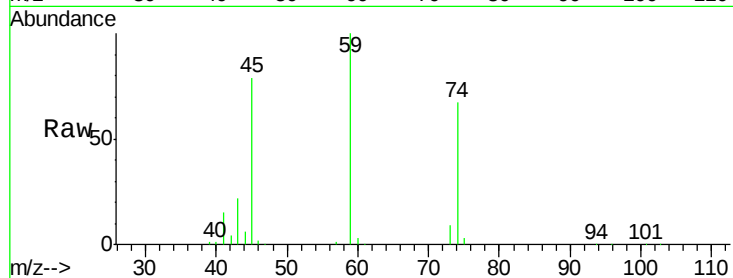
Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.508 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

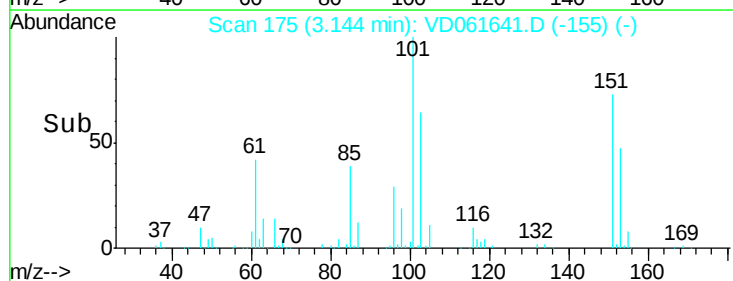
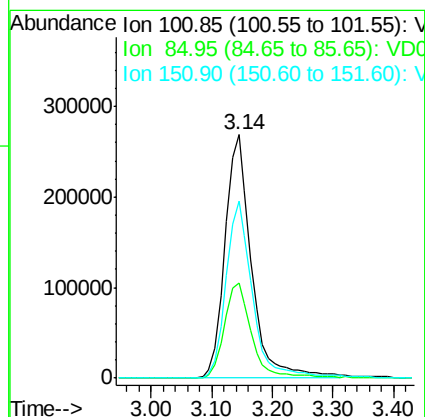
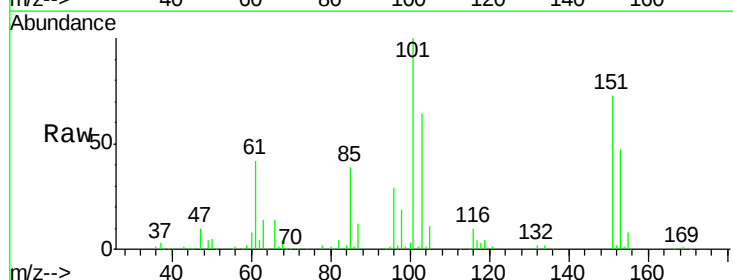
Tgt Ion: 101 Resp: 819430

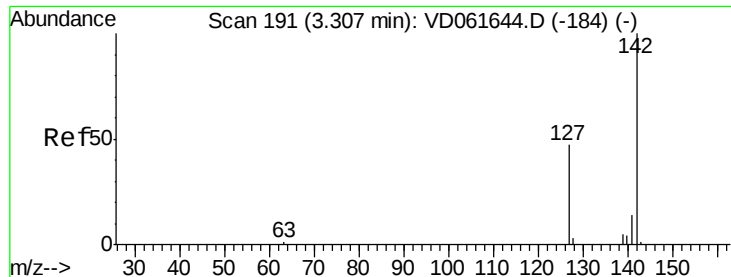
Ion Ratio Lower Upper

101 100

85 39.2 31.0 46.6

151 72.8 55.3 82.9





#10
Methvl Iodide
Concen: 122.383 ug/l
RT: 3.30 min Scan# 191
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

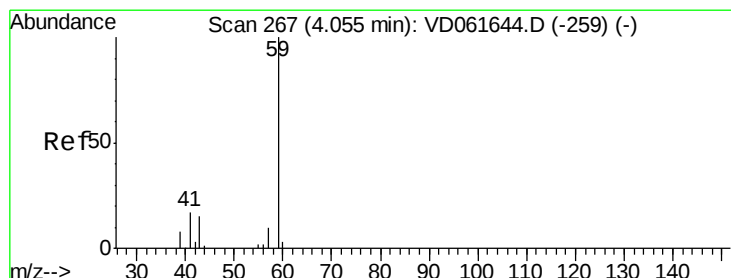
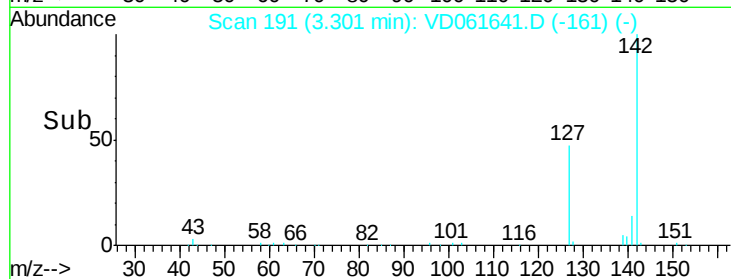
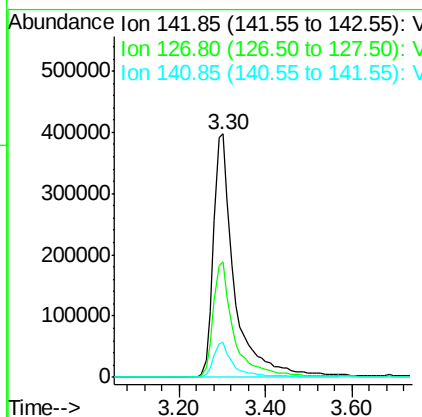
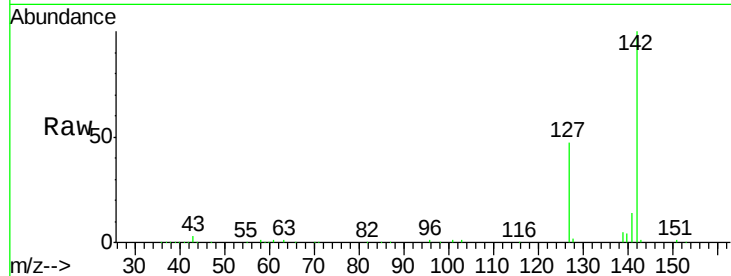
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:142 Resp: 1351445
Ion Ratio Lower Upper
142 100
127 47.4 37.2 55.8
141 14.2 10.8 16.2

Manual Integrations
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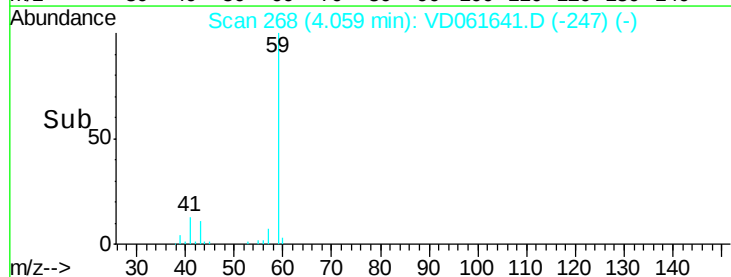
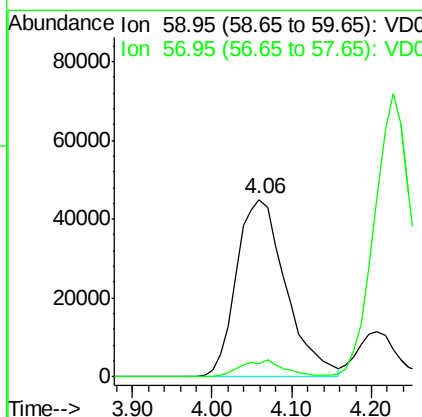
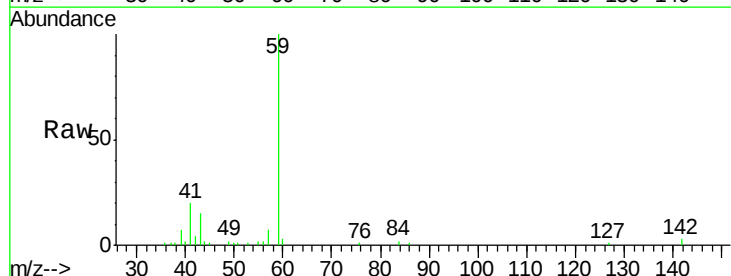
MMDadoda
4/11/2019 2:57:29 AM

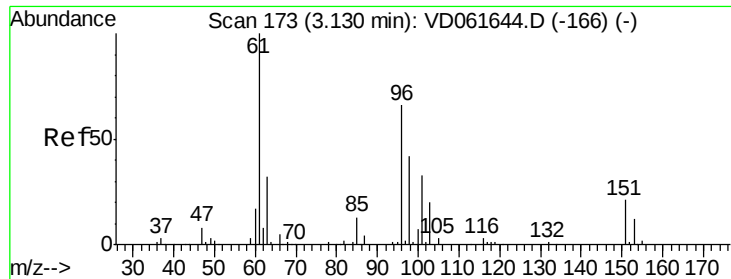
4/11/2019 2:57:29 AM



#11
Tert butyl alcohol
Concen: 527.183 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 59 Resp: 193163
Ion Ratio Lower Upper
59 100
57 7.3 8.4 12.6#





#12
 1,1-Dichloroethene
 Concen: 94.921 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. -0.02 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

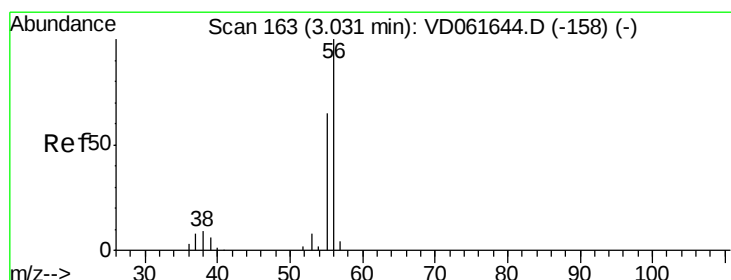
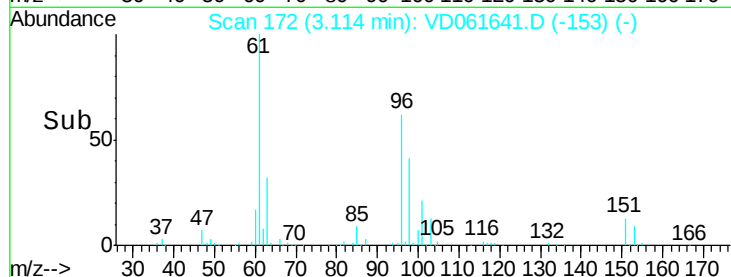
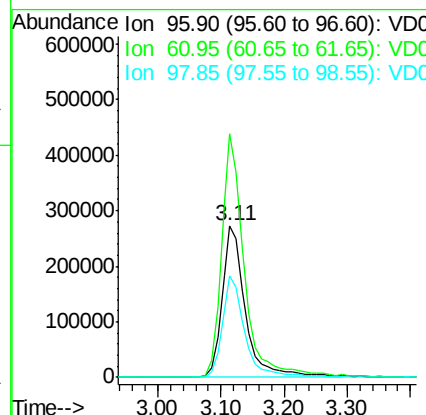
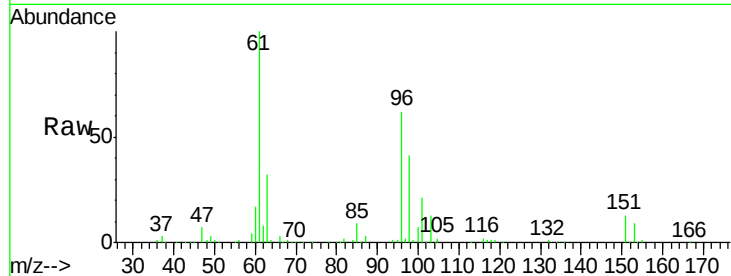
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.2	121.3	181.9
98	66.5	50.6	76.0

Manual Integrations
 APPROVED

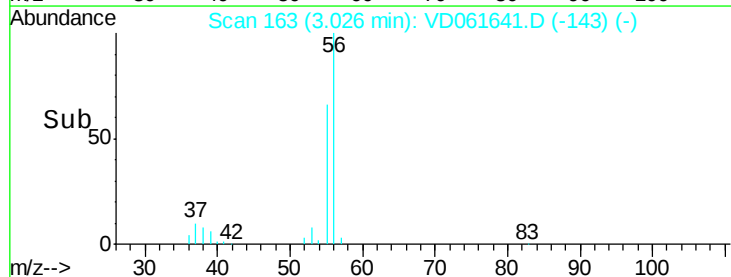
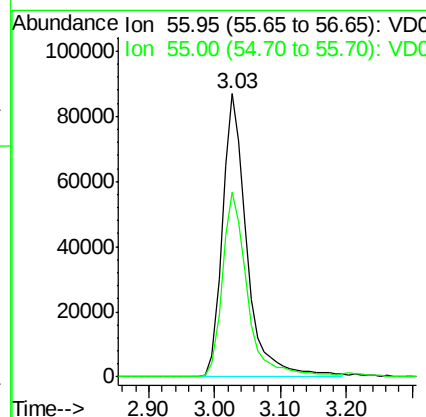
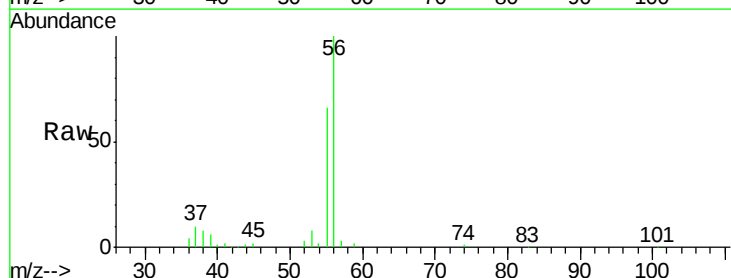
MMDadoda
 4/11/2019 2:57:29 AM

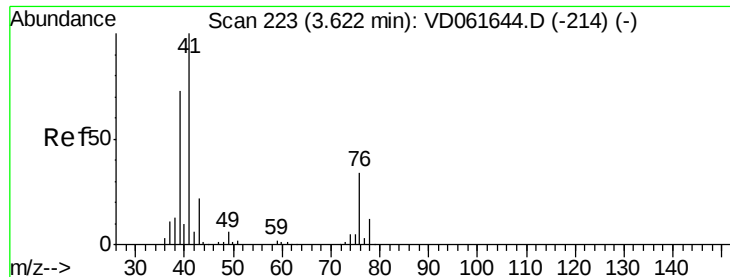
4/11/2019 2:57:29 AM



#13
 Acrolein
 Concen: 508.618 ug/l
 RT: 3.03 min Scan# 163
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion	Ratio	Lower	Upper
56	100		
55	65.5	51.8	77.6





#14

Allvl chloride

Concen: 102.892 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 41 Resp: 1063482

Ion Ratio Lower Upper

41 100

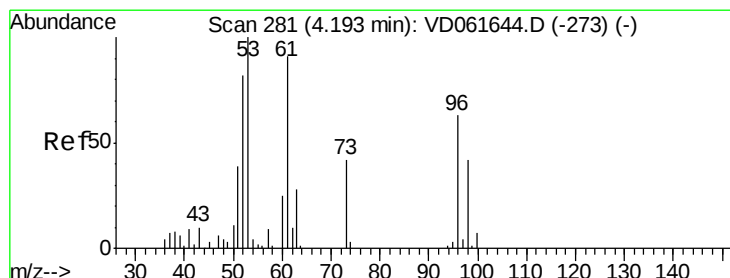
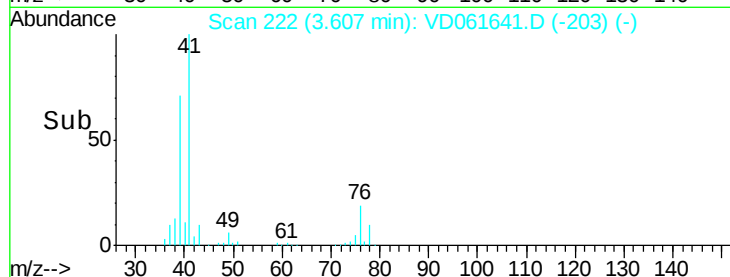
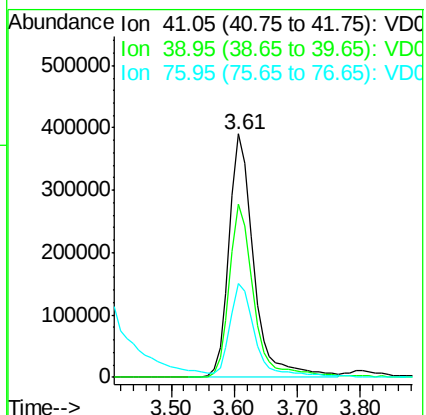
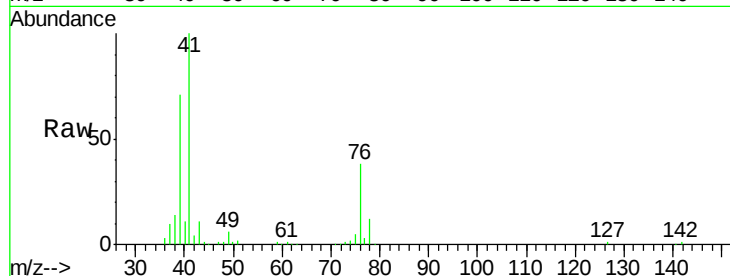
39 71.1 58.2 87.4

76 38.5 29.8 44.6

Manual Integrations
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4/11/2019 2:57:29 AM



#15

Acrylonitrile

Concen: 500.709 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

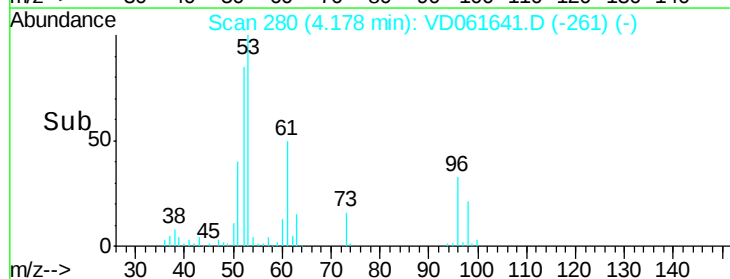
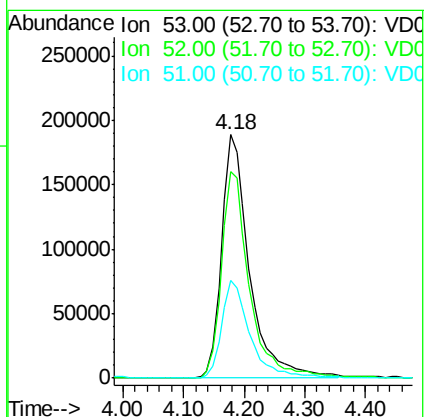
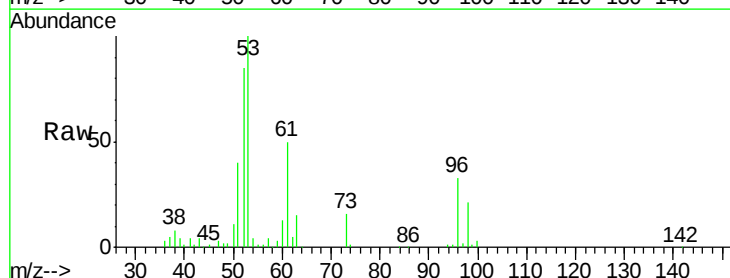
Tgt Ion: 53 Resp: 604524

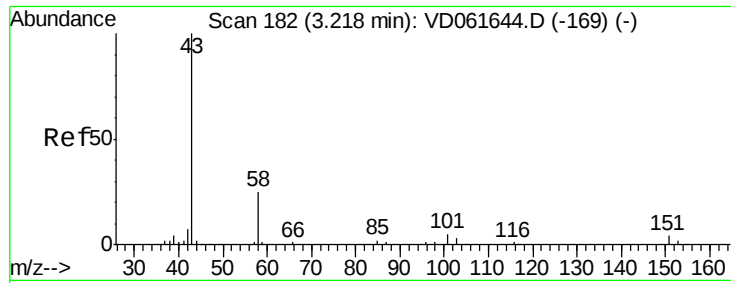
Ion Ratio Lower Upper

53 100

52 85.0 65.9 98.9

51 40.4 31.4 47.2





#16
Acetone
Concen: 551.682 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

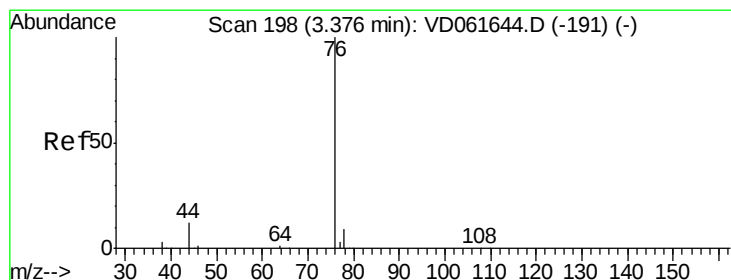
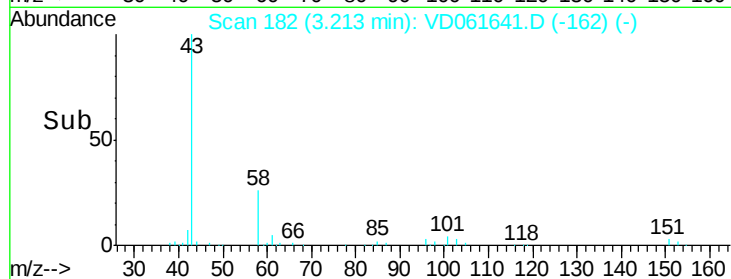
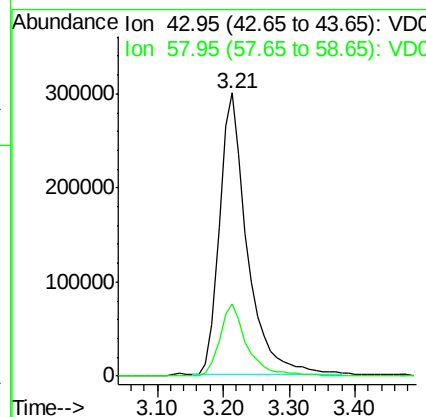
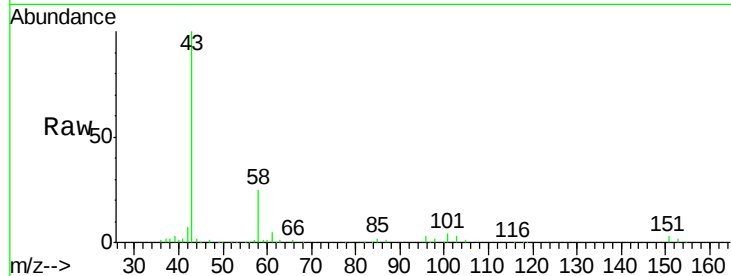
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 873189
Ion Ratio Lower Upper
43 100
58 25.4 19.7 29.5

Manual Integrations
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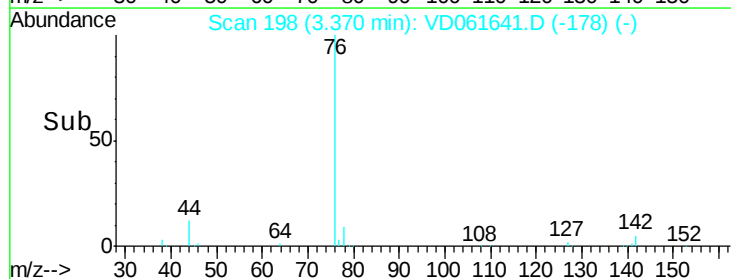
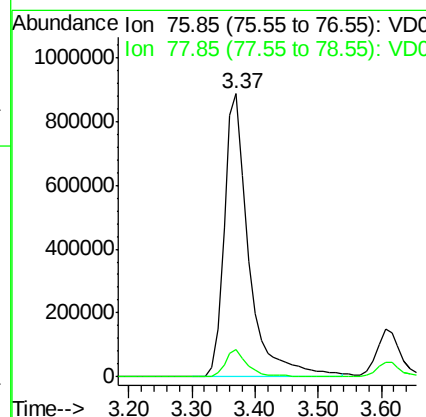
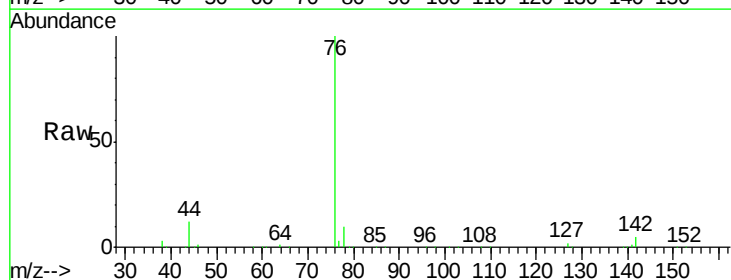
MMDadoda
4/11/2019 2:57:29 AM

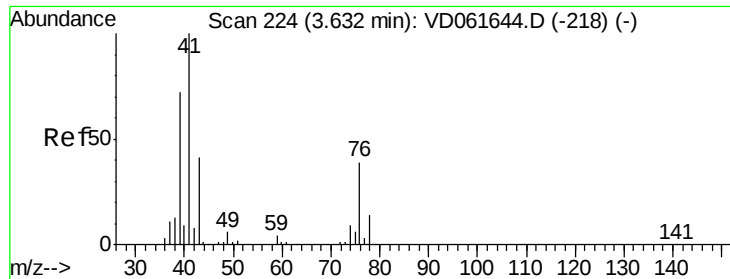
4/11/2019 2:57:29 AM



#17
Carbon Disulfide
Concen: 99.386 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 76 Resp: 2404452
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2





#18
Methyl Acetate
Concen: 95.592 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

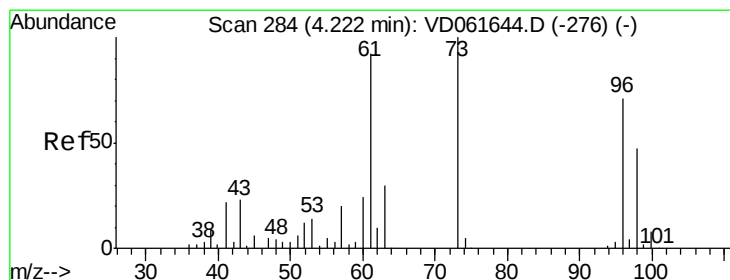
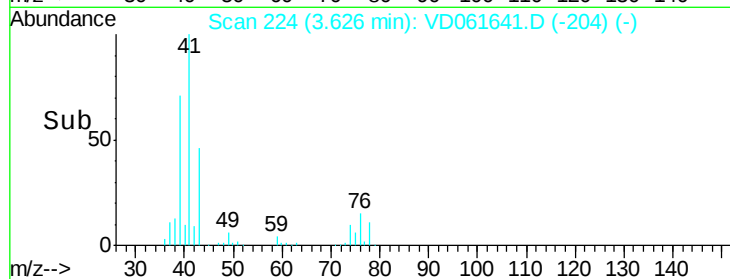
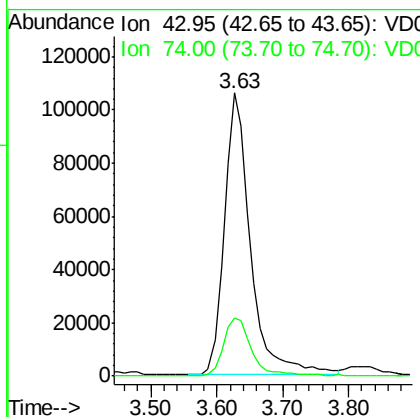
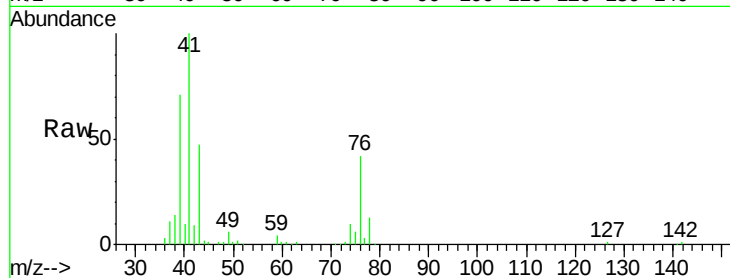
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 294077
Ion Ratio Lower Upper
43 100
74 20.7 18.2 27.2

Manual Integrations
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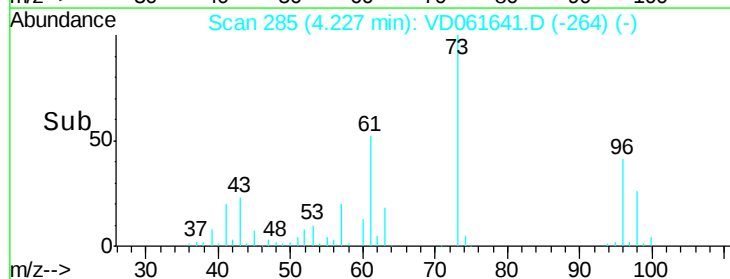
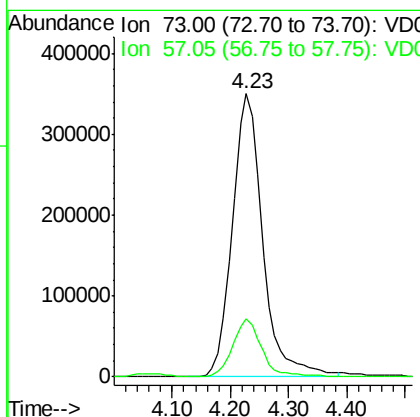
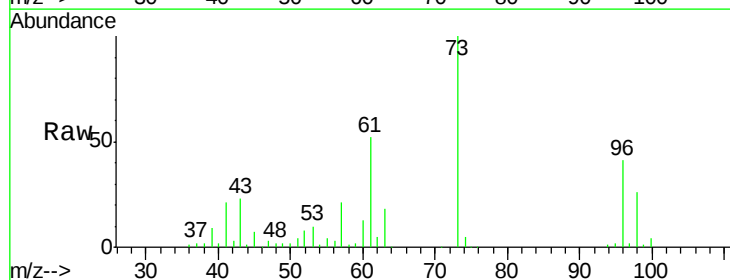
MMDadoda
4/11/2019 2:57:29 AM

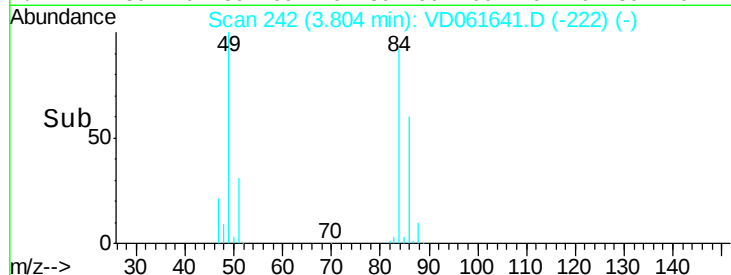
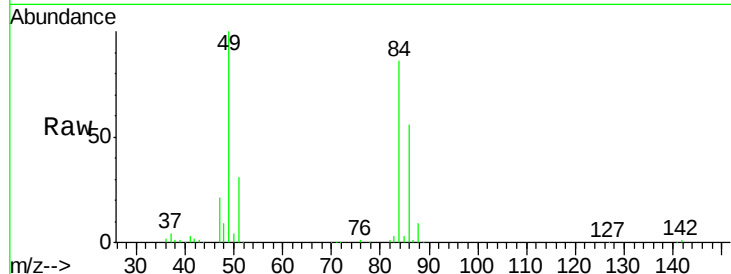
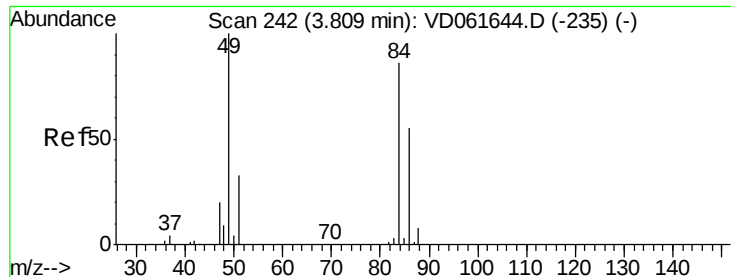
4/11/2019 2:57:29 AM



#19
Methyl tert-butyl Ether
Concen: 99.680 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 73 Resp: 1270962
Ion Ratio Lower Upper
73 100
57 20.5 16.0 24.0





#20
Methvlene Chloride
Concen: 87.036 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

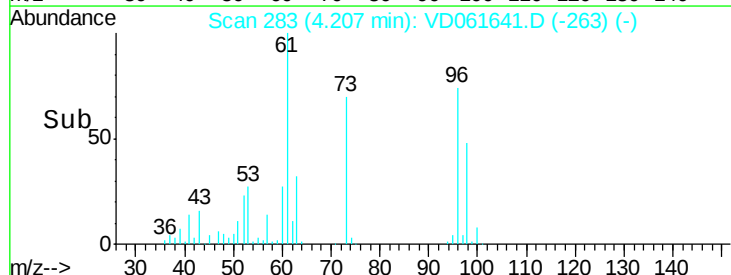
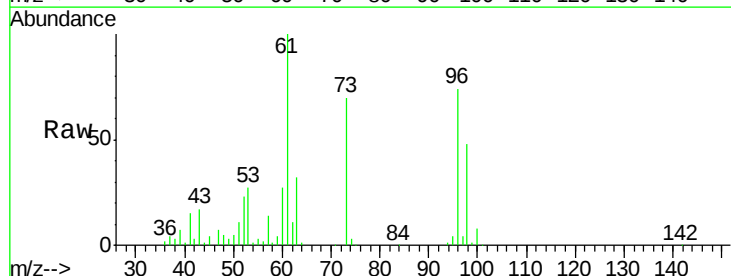
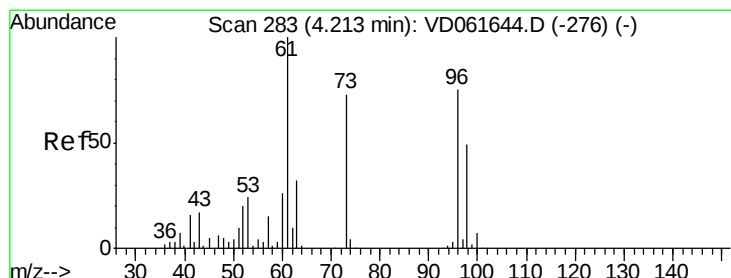
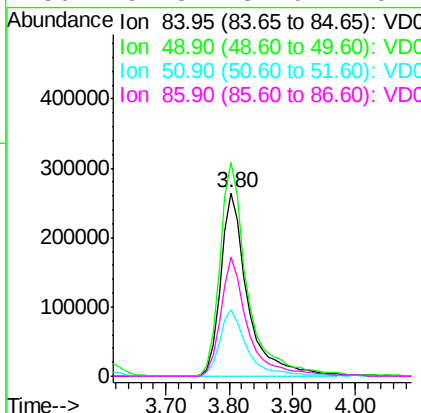
Tot Ion:	84	Resp:	787008
Ion	Ratio	Lower	Upper
84	100		
49	116.5	93.0	139.4
51	36.0	30.4	45.6
86	64.8	51.0	76.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

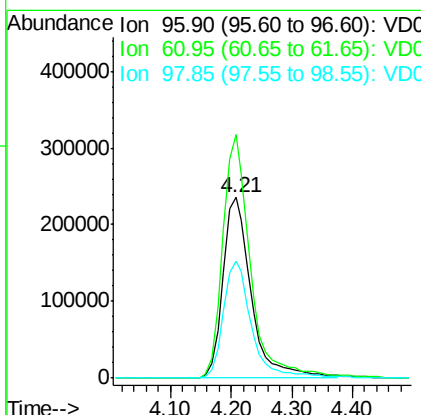
MMDadoda
4/11/2019 2:57:29 AM

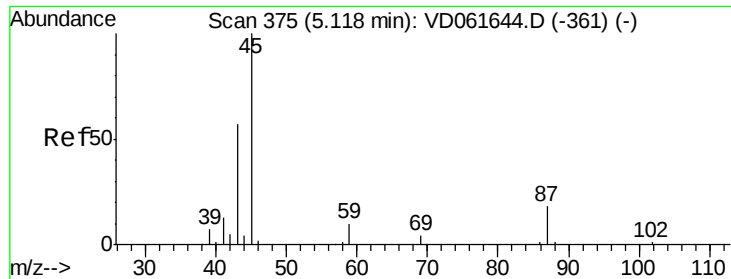
4/11/2019 2:57:29 AM



#21
trans-1,2-Dichloroethene
Concen: 95.205 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:	96	Resp:	763941
Ion	Ratio	Lower	Upper
96	100		
61	134.8	106.8	160.2
98	64.4	52.2	78.2





#22
Diisopropyl ether
Concen: 95.663 ug/l
RT: 5.10 min Scan# 374
Delta R.T. -0.02 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

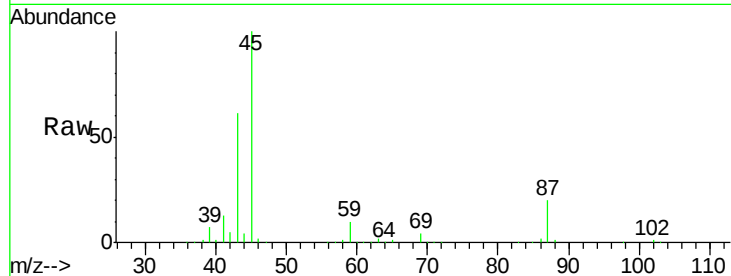
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 45 Resp: 2027906
Ion Ratio Lower Upper
45 100
43 61.3 46.6 70.0
87 19.9 15.6 23.4
59 9.7 8.6 13.0

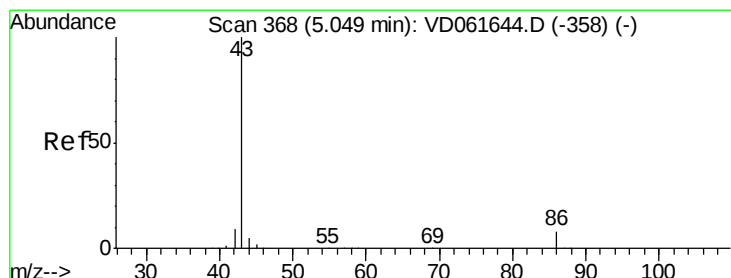
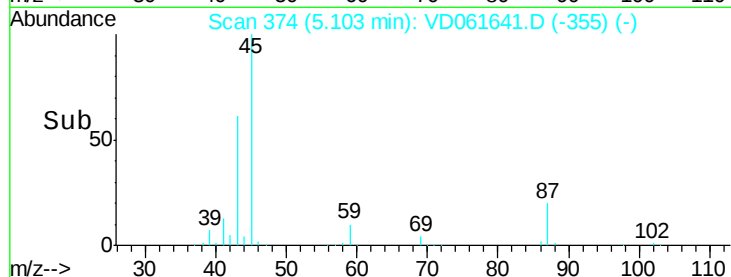
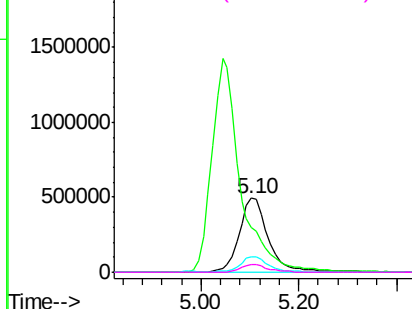
Manual Integrations
APPROVED

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4/11/2019 2:57:29 AM

4/11/2019 2:57:29 AM

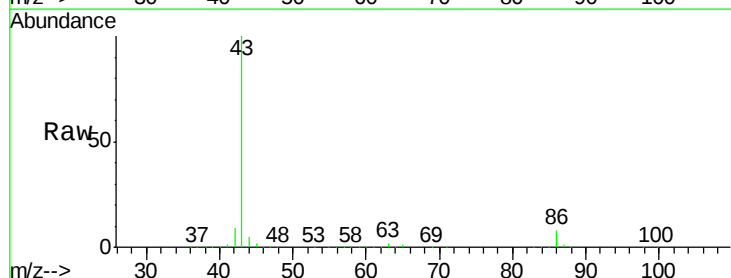


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

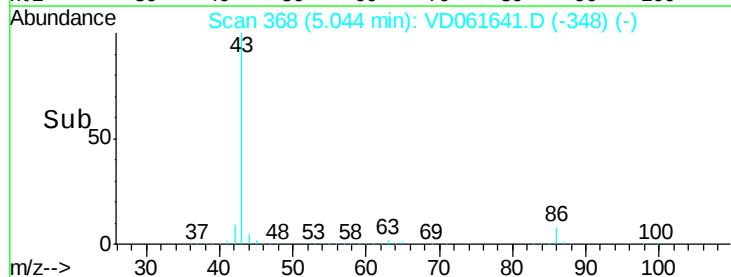
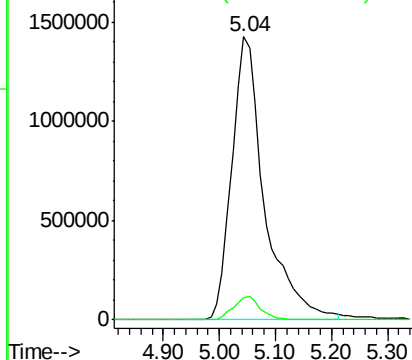


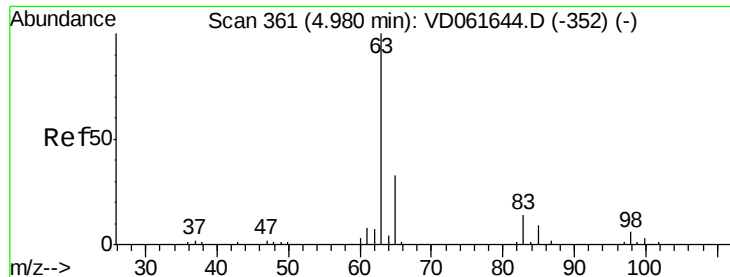
#23
Vinyl Acetate
Concen: 491.396 ug/l
RT: 5.04 min Scan# 368
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 43 Resp: 5757990
Ion Ratio Lower Upper
43 100
86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 101.693 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

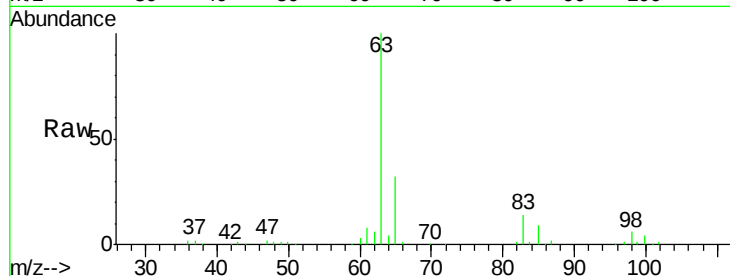
VSTDIC100

Tot Ion:	63	Resp:	1328514
Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.9	8.6
100	3.5	1.7	5.1

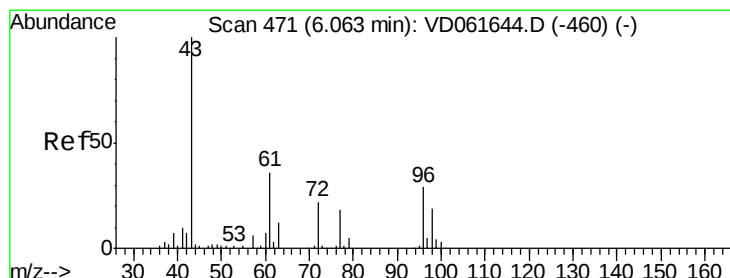
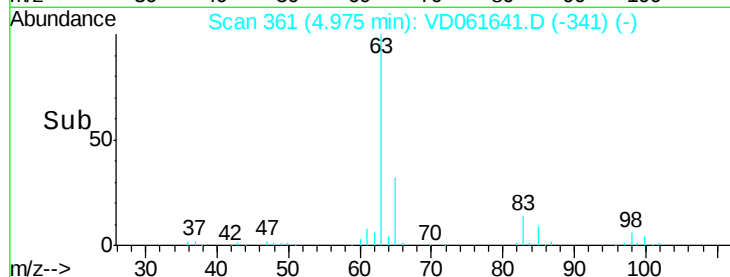
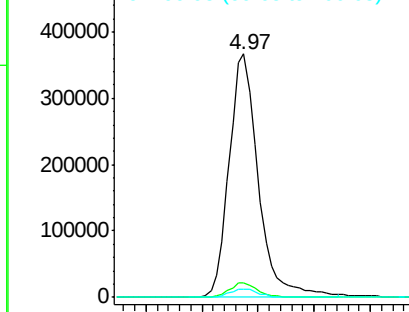
Manual Integrations
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MMDadoda
4/11/2019 2:57:29 AM

4/11/2019 2:57:29 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 530.240 ug/l

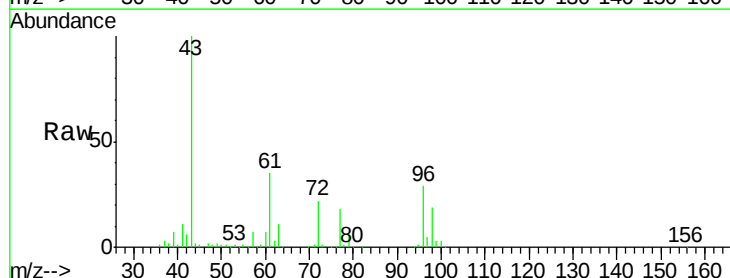
RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

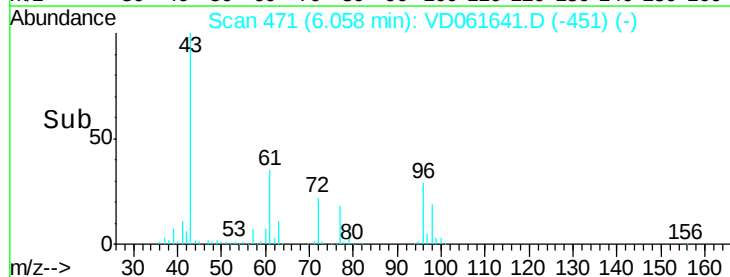
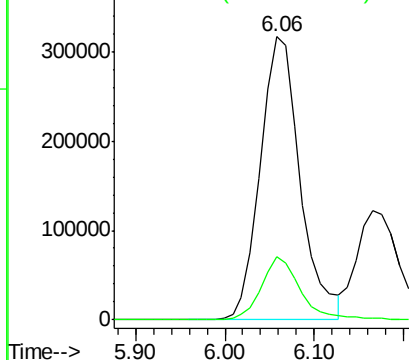
Lab File: VD061641.D

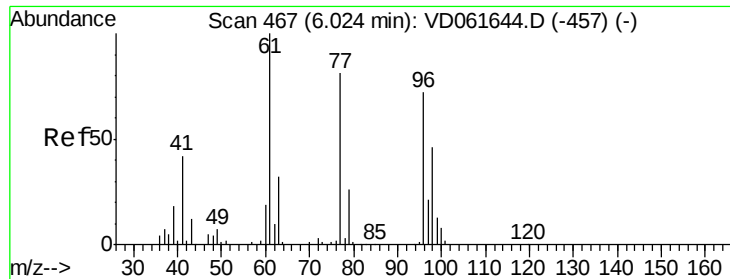
Acq: 6 Apr 2019 13:58

Tgt Ion:	43	Resp:	980807
Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.4	26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 94.084 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 77 Resp: 998597

Ion Ratio Lower Upper

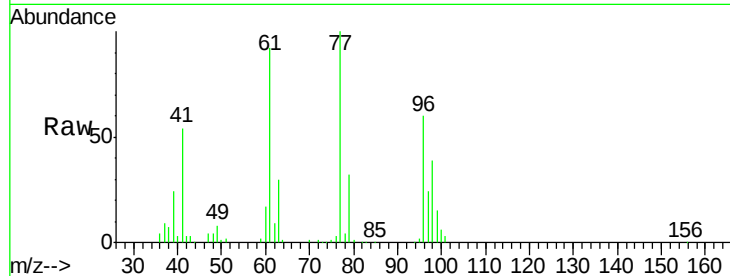
77 100

97 24.1 12.7 38.0

Manual Integrations
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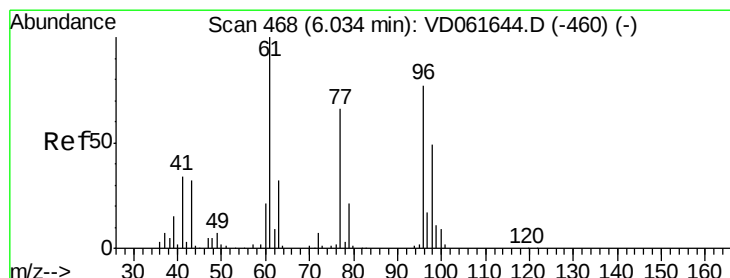
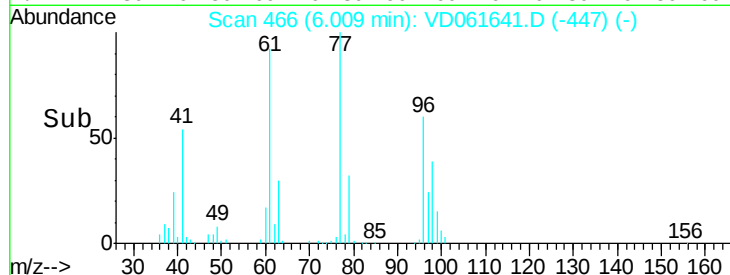
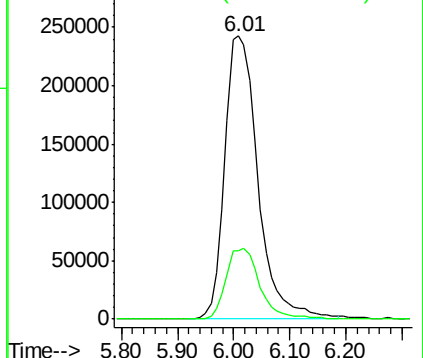
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Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#27

cis-1,2-Dichloroethene

Concen: 92.532 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

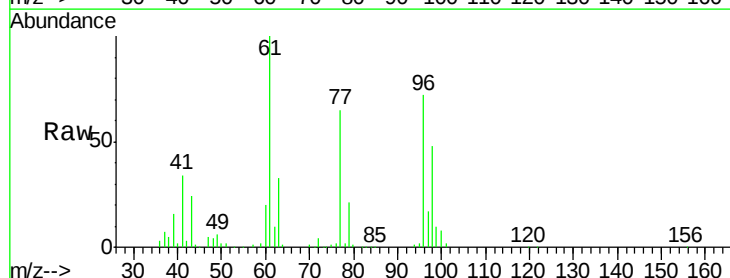
Tgt Ion: 96 Resp: 791280

Ion Ratio Lower Upper

96 100

61 139.5 0.0 259.8

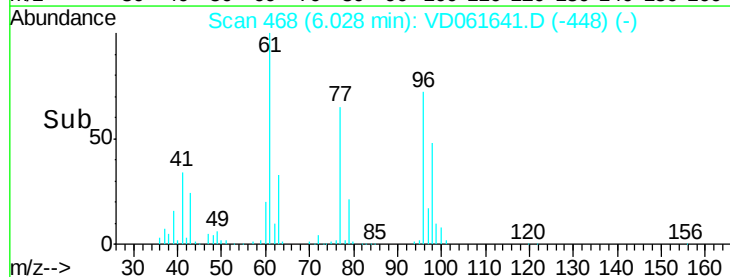
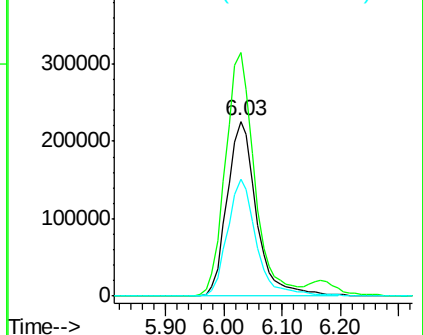
98 67.3 0.0 127.6

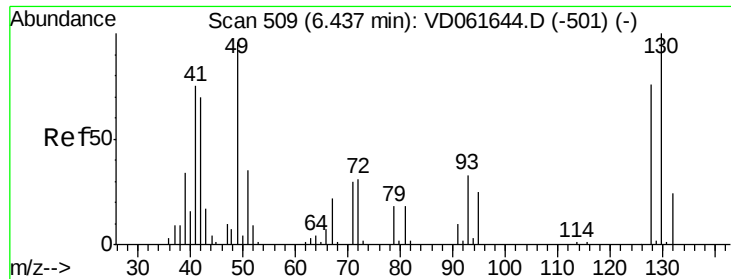


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#28

Bromochloromethane

Concen: 107.143 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 49 Resp: 499870

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.0

130 105.1 83.3 124.9

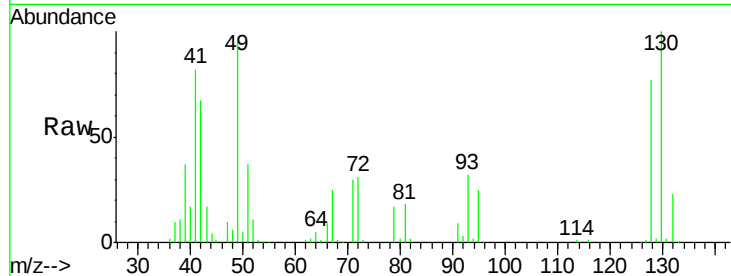
Manual Integrations

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MMDadoda

4/11/2019 2:57:29 AM

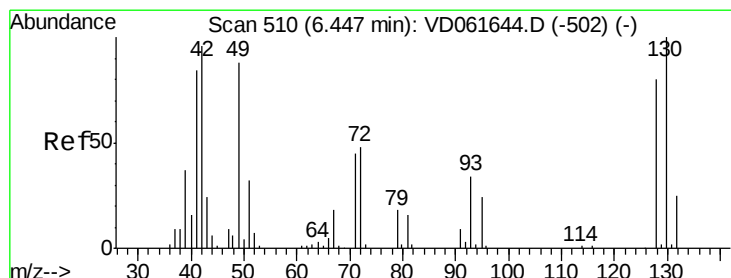
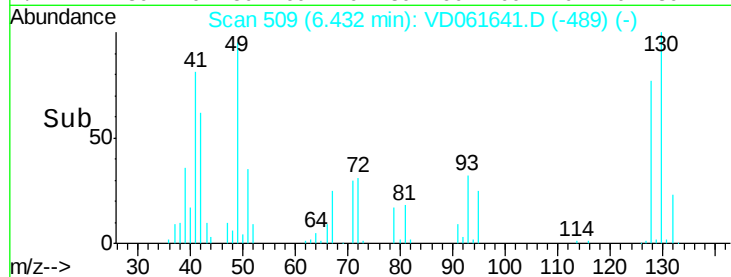
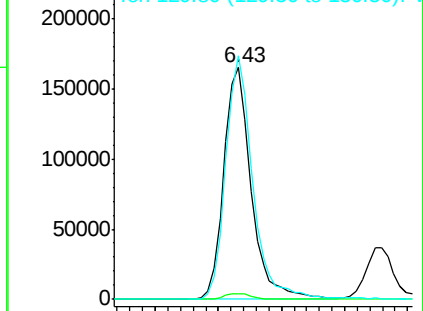
4/11/2019 2:57:29 AM



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 529.060 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

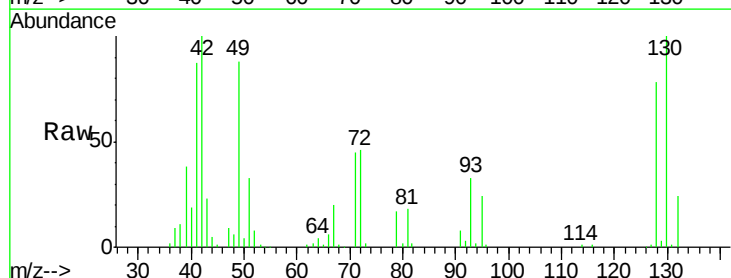
Tgt Ion: 42 Resp: 468672

Ion Ratio Lower Upper

42 100

72 47.0 37.0 55.6

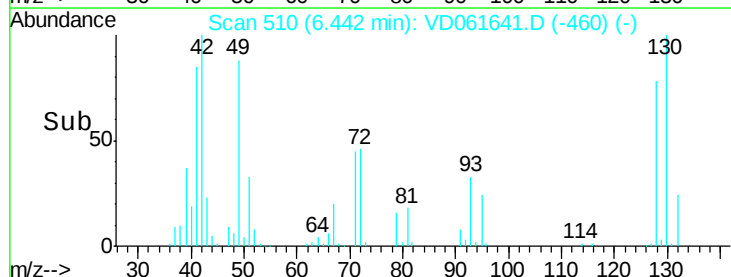
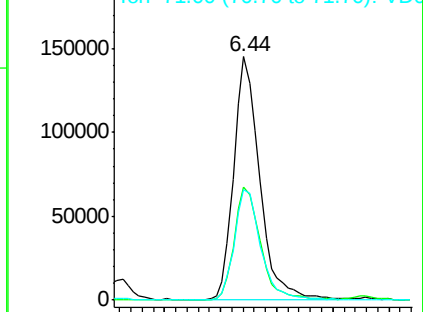
71 46.4 36.5 54.7

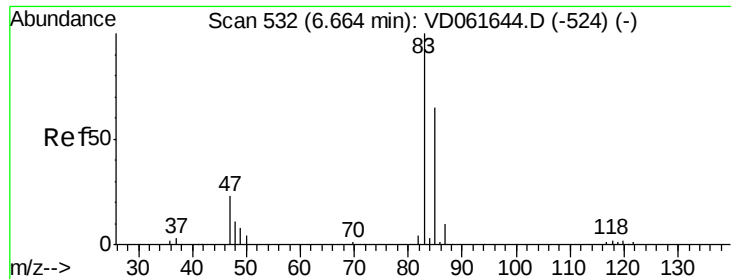


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#30
Chloroform
Concen: 100.203 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

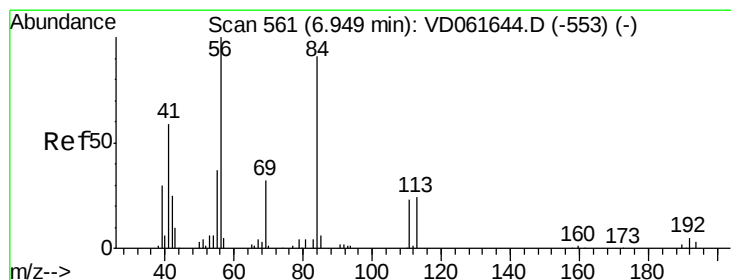
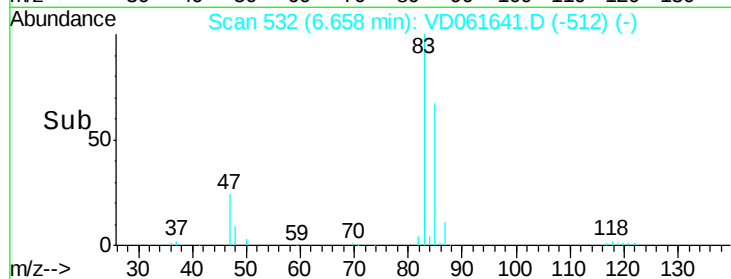
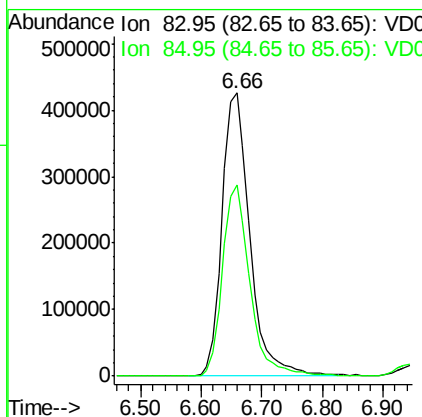
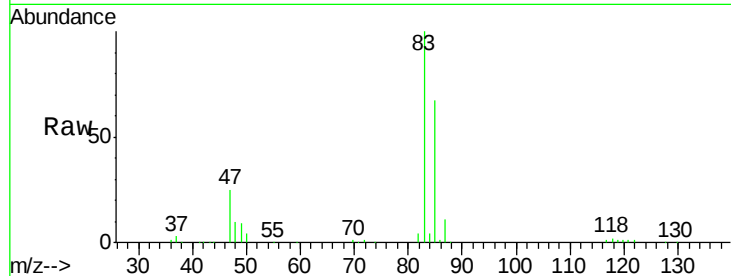
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1362346
Ion Ratio Lower Upper
83 100
85 67.5 51.9 77.9

Manual Integrations
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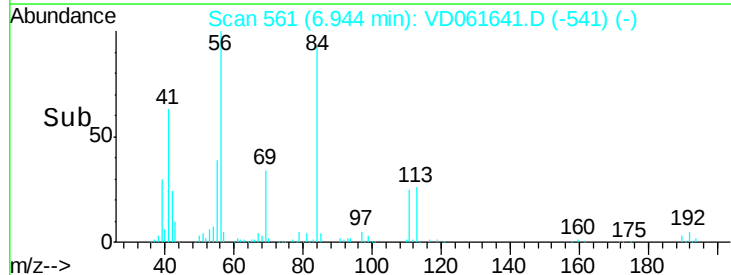
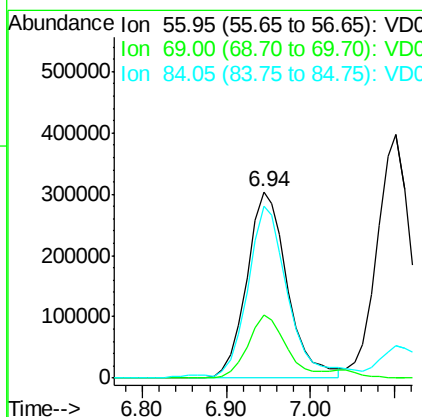
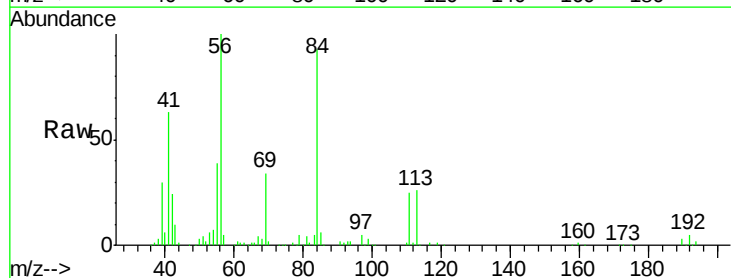
MMDadoda
4/11/2019 2:57:29 AM

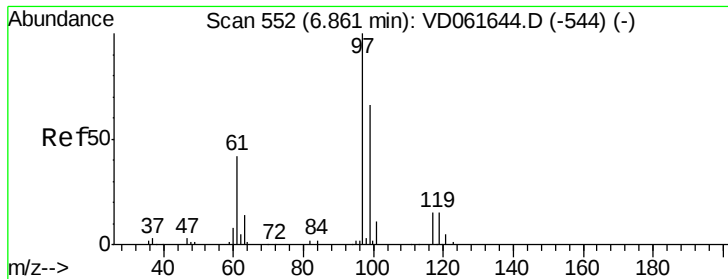
4/11/2019 2:57:29 AM



#31
Cyclohexane
Concen: 102.043 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 56 Resp: 1022187
Ion Ratio Lower Upper
56 100
69 33.7 25.8 38.6
84 92.5 74.2 111.2





#32

1,1,1-Trichloroethane

Concen: 98.883 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 1180843

Ion Ratio Lower Upper

97 100

99 67.3 52.5 78.7

61 41.8 33.4 50.0

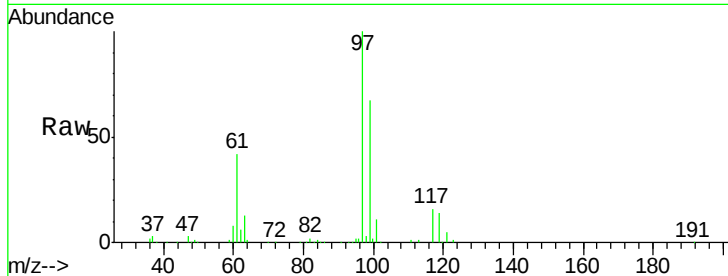
Manual Integrations

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MMDadoda

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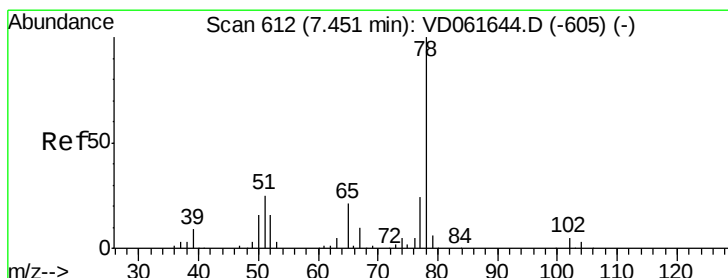
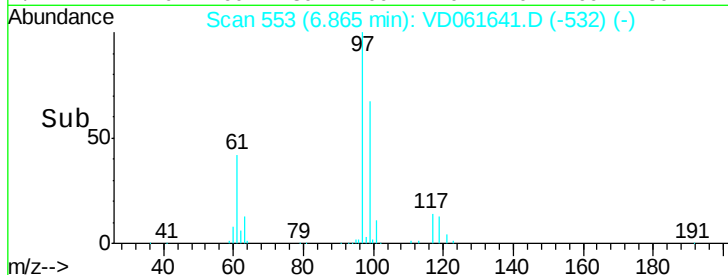
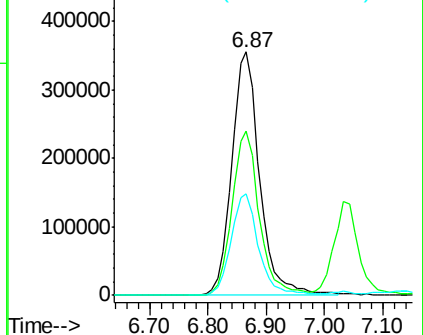
4/11/2019 2:57:29 AM



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 98.883 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061641.D

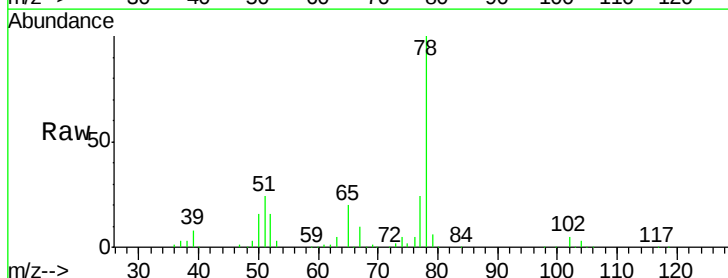
Acq: 6 Apr 2019 13:58

Tgt Ion: 65 Resp: 441569

Ion Ratio Lower Upper

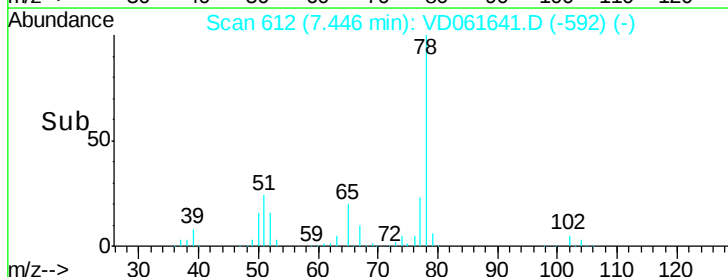
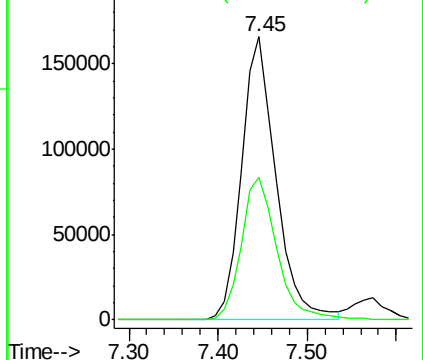
65 100

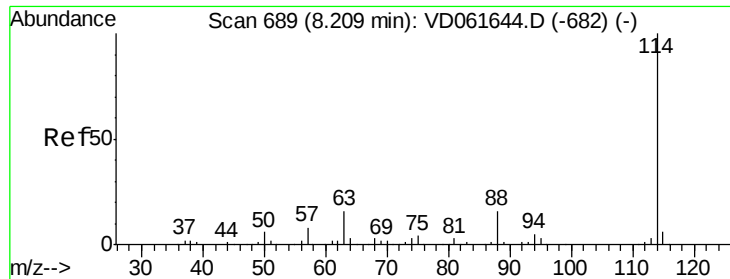
67 50.5 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

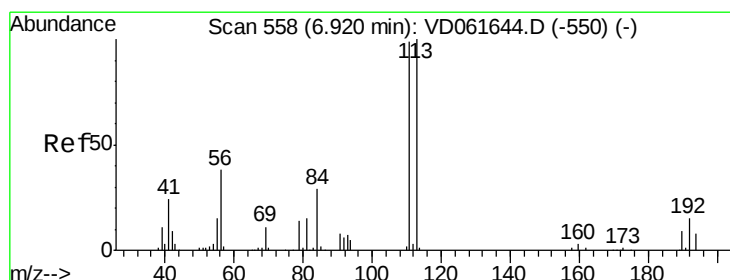
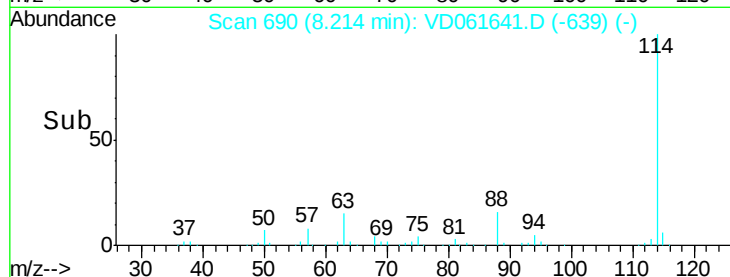
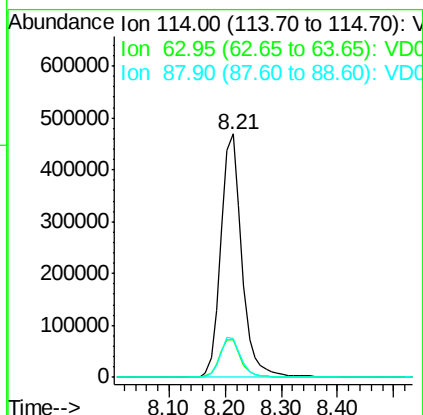
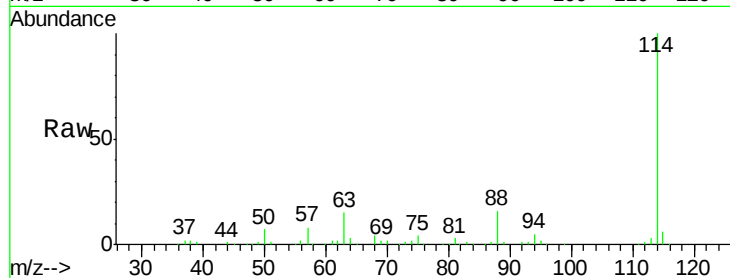
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:114 Resp: 1225385
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.2
 88 16.0 0.0 31.8

Manual Integrations
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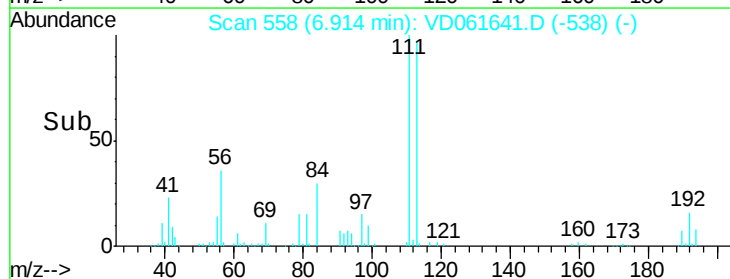
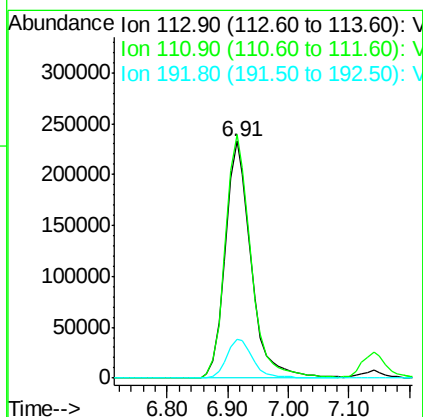
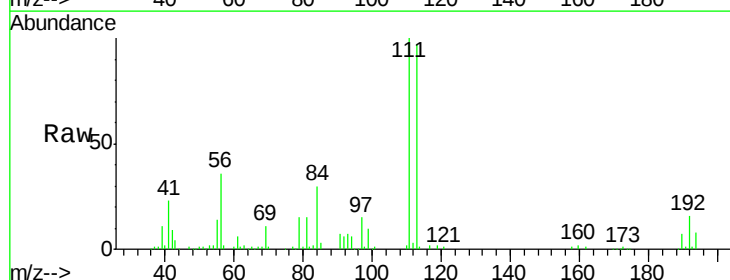
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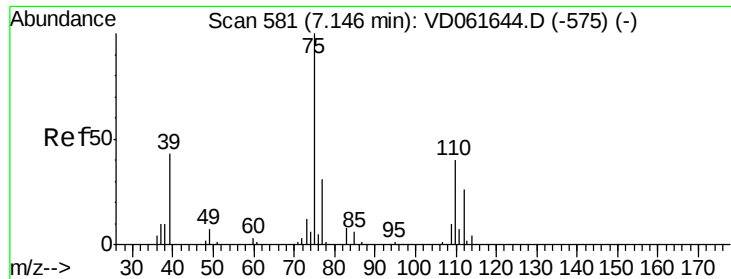
4/11/2019 2:57:29 AM



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion:113 Resp: 688102
 Ion Ratio Lower Upper
 113 100
 111 102.8 79.3 118.9
 192 16.4 12.3 18.5





#36

1,1-Dichloropropene

Concen: 90.324 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 989581

Ion Ratio Lower Upper

75 100

110 38.2 19.7 59.0

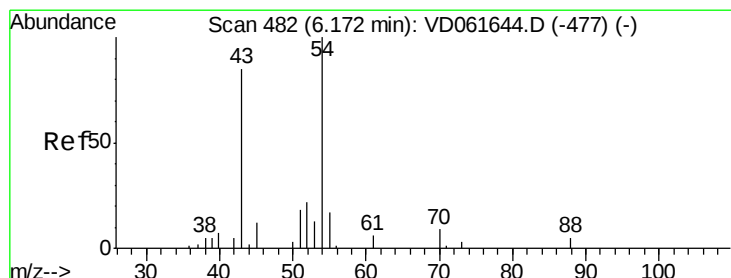
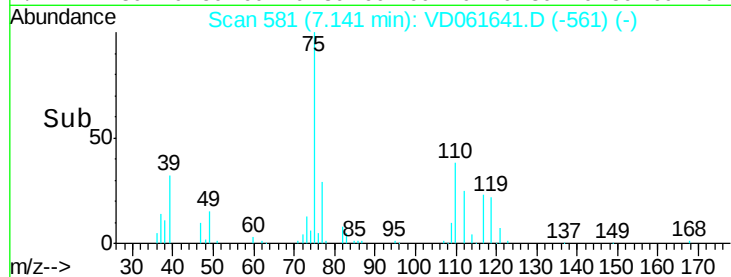
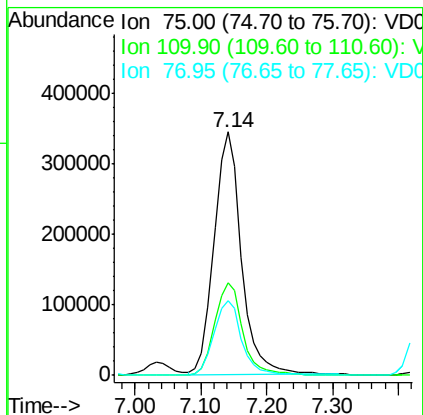
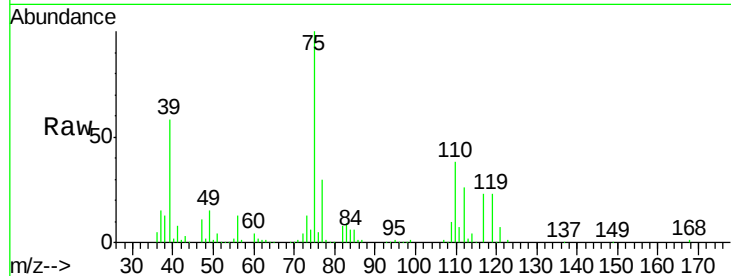
77 30.4 24.8 37.2

Manual Integrations
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#37

Ethyl Acetate

Concen: 91.174 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

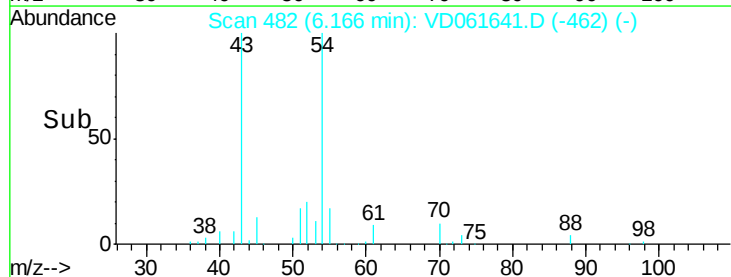
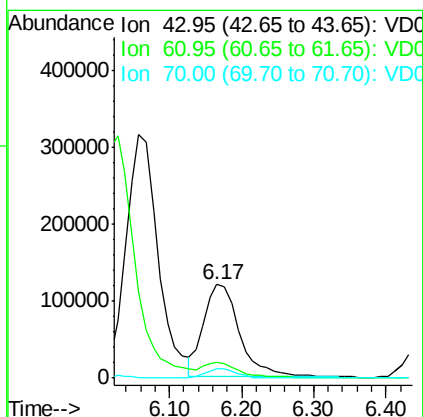
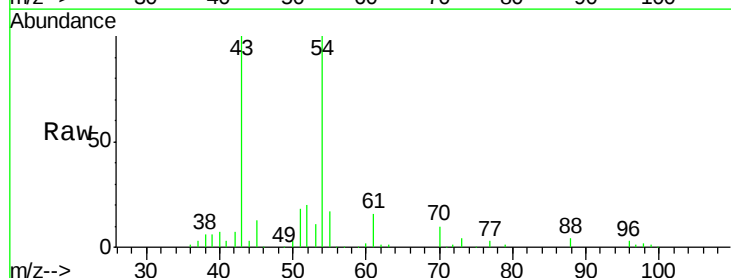
Tgt Ion: 43 Resp: 414671

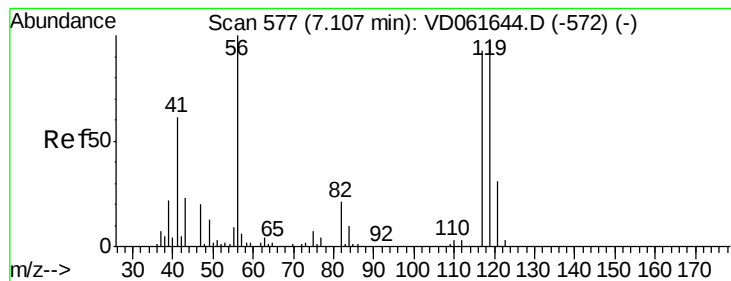
Ion Ratio Lower Upper

43 100

61 16.2 11.9 17.9

70 9.6 6.9 10.3





#38

Carbon Tetrachloride

Concen: 92.898 ug/l m

RT: 7.10 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:117 Resp: 1175676

Ion Ratio Lower Upper

117 100

119 97.7 77.9 116.9

121 32.3 24.7 37.1

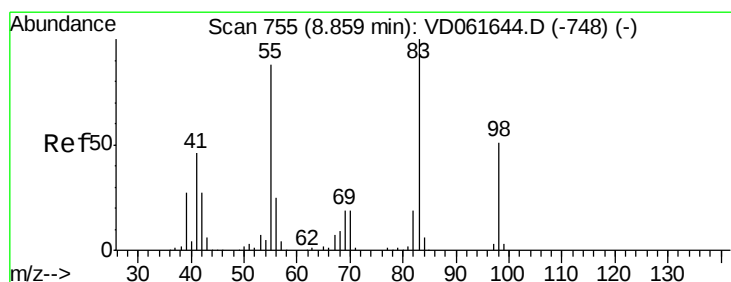
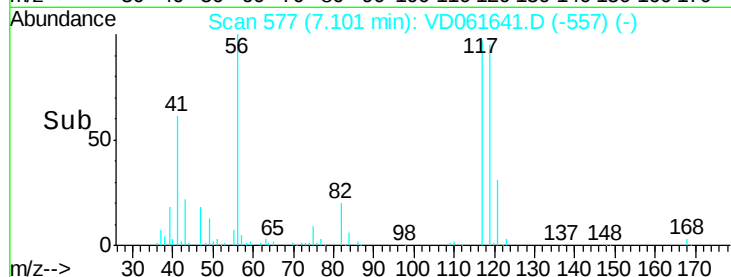
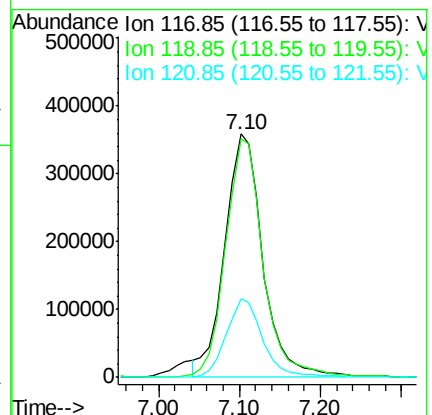
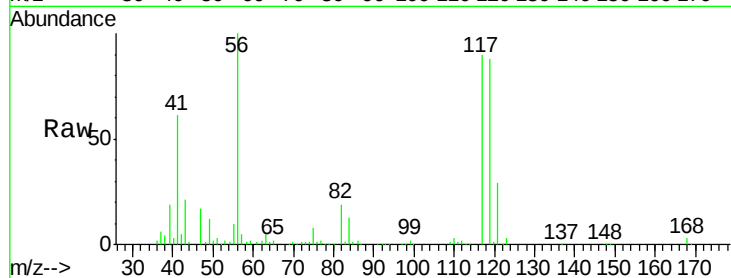
Manual Integrations

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#39

Methylcyclohexane

Concen: 96.804 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

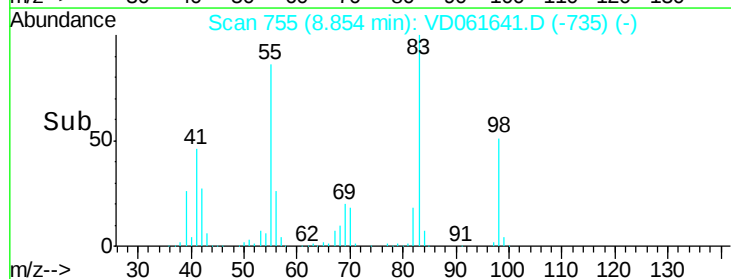
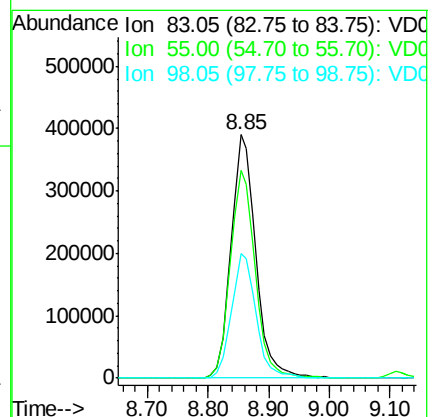
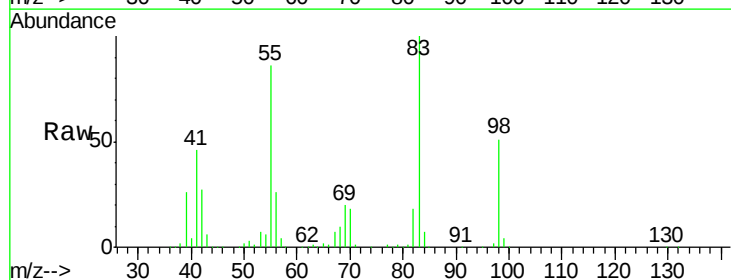
Tgt Ion: 83 Resp: 1105632

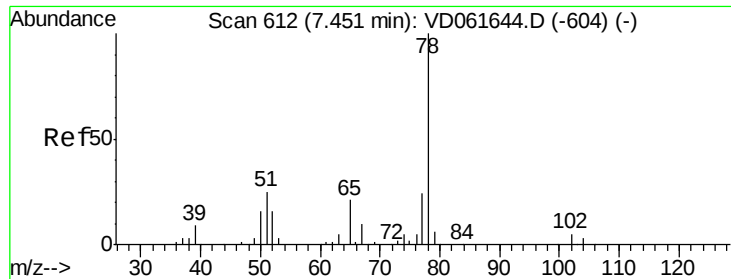
Ion Ratio Lower Upper

83 100

55 85.5 70.3 105.5

98 51.0 41.0 61.6





#40
Benzene
Concen: 93.778 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

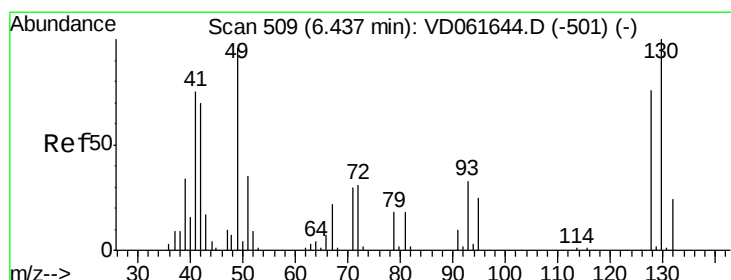
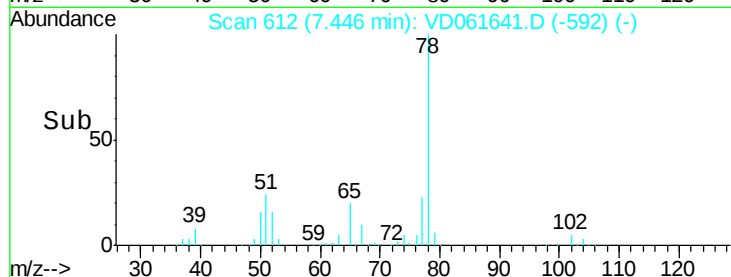
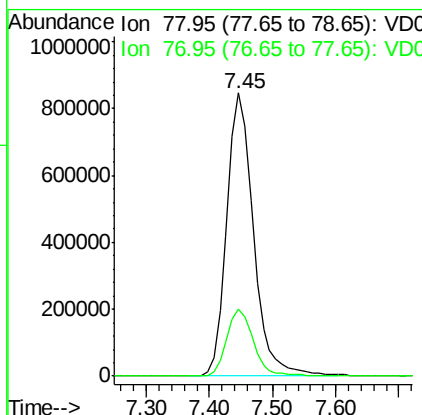
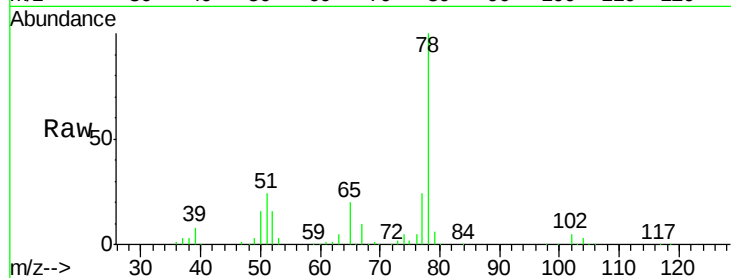
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 78 Resp: 2485898
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3

Manual Integrations
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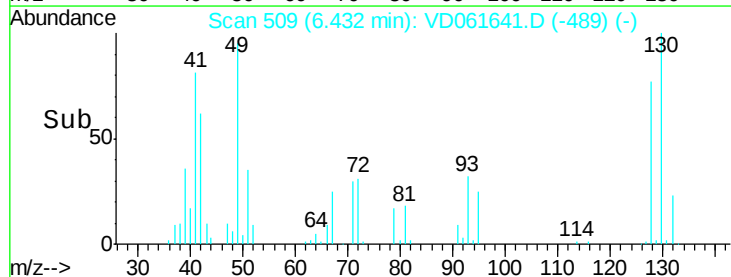
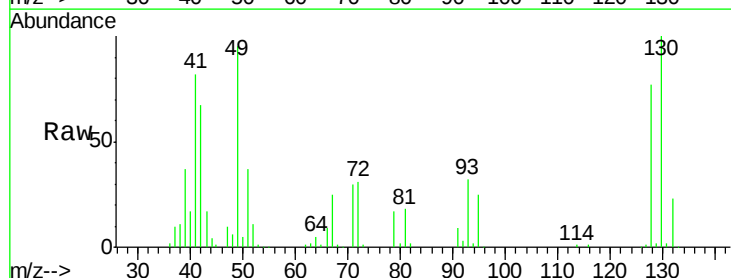
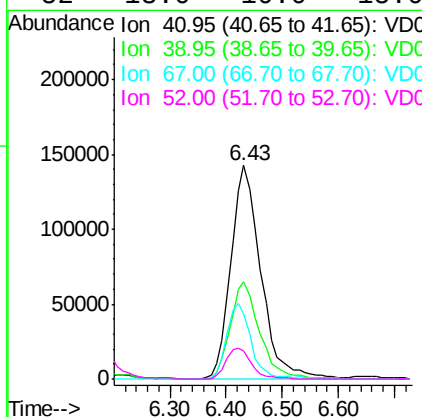
MMDadoda
4/11/2019 2:57:29 AM

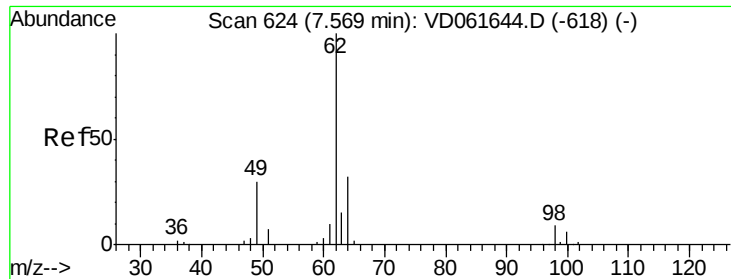
4/11/2019 2:57:29 AM



#41
Methacrylonitrile
Concen: 103.156 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 41 Resp: 528776
Ion Ratio Lower Upper
41 100
39 45.3 36.2 54.2
67 30.9 23.2 34.8
52 13.0 10.0 15.0





#42

1,2-Dichloroethane

Concen: 99.775 ug/l

RT: 7.57 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 62 Resp: 835955

Ion Ratio Lower Upper

62 100

98 9.7 0.0 17.8

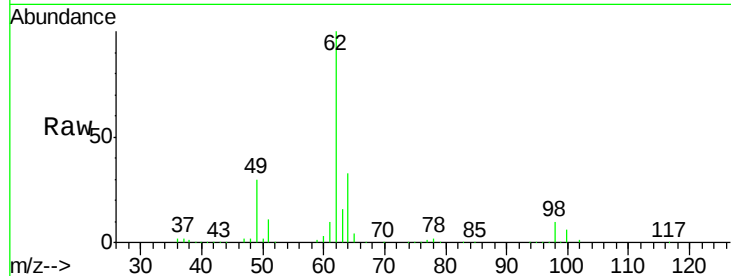
Manual Integrations

APPROVED

MMDadoda

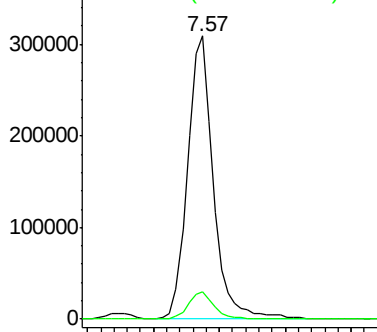
4/11/2019 2:57:29 AM

4/11/2019 2:57:29 AM

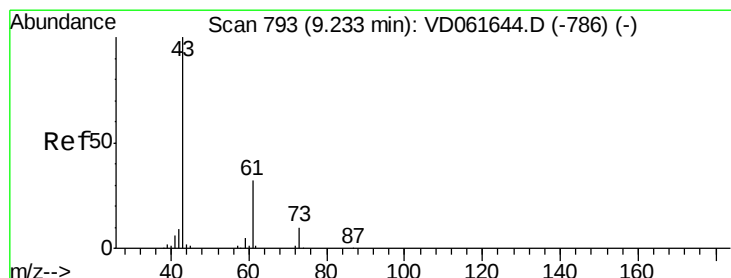
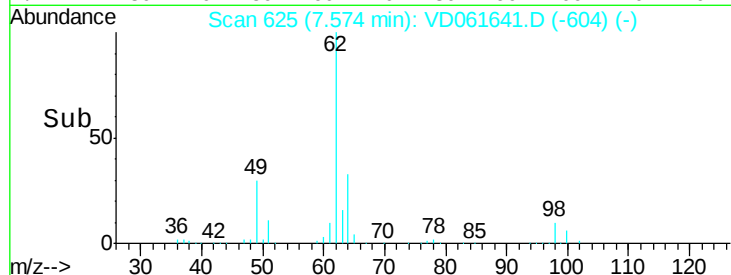


Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



Time-->



#43

Isopropyl Acetate

Concen: 100.280 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

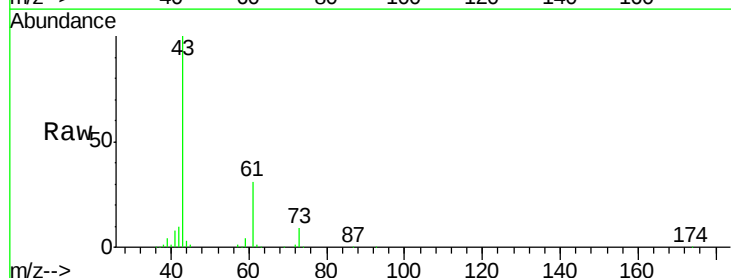
Tgt Ion: 43 Resp: 655427

Ion Ratio Lower Upper

43 100

61 31.1 25.9 38.9

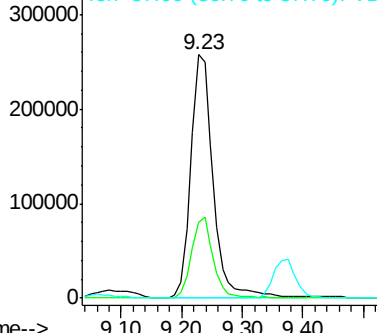
87 0.2 0.2 0.4#



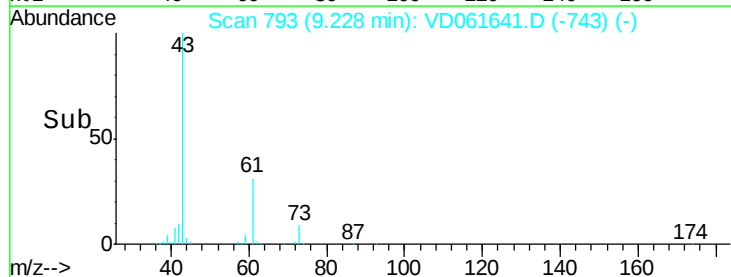
Abundance Ion 42.95 (42.65 to 43.65): VDC

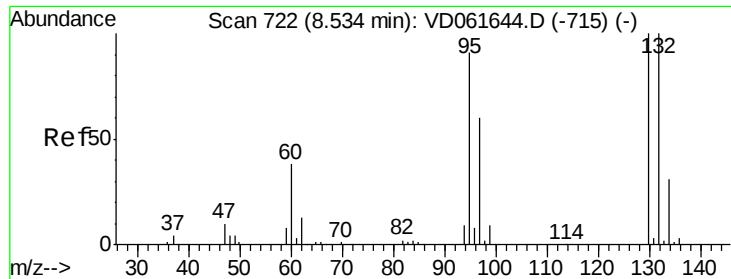
Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



Time-->





#44
 Trichloroethene
 Concen: 100.874 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

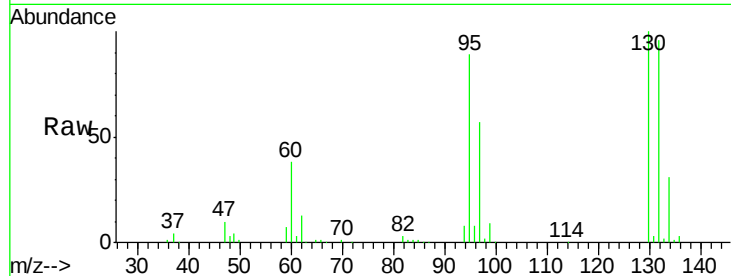
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 1018657
 Ion Ratio Lower Upper
 130 100
 95 89.0 0.0 181.8

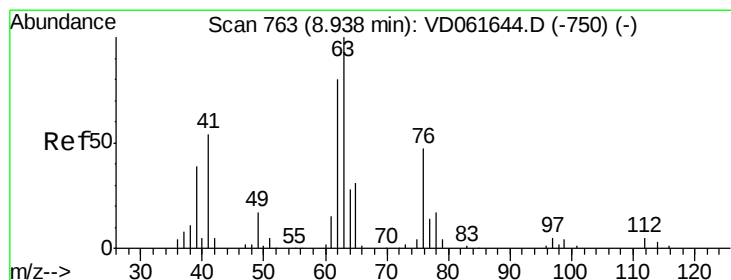
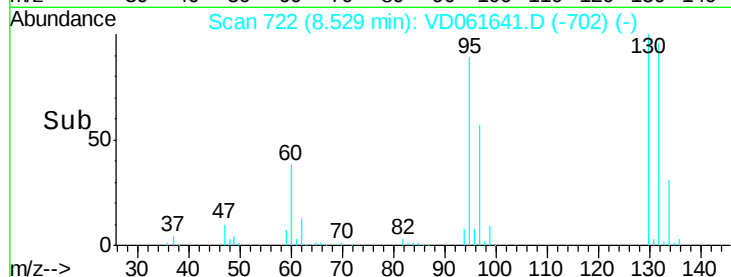
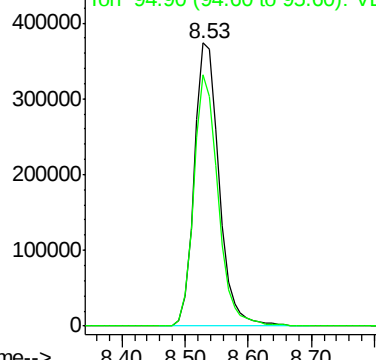
Manual Integrations
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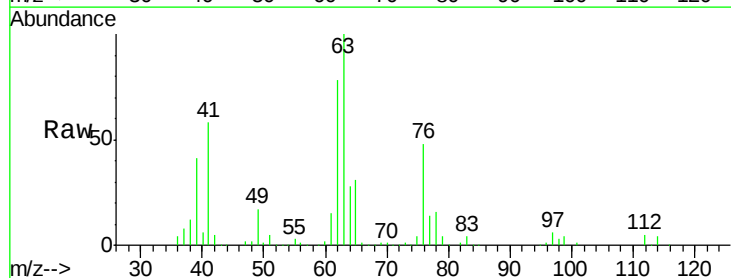


Abundance Ion 129.80 (129.50 to 130.50): V

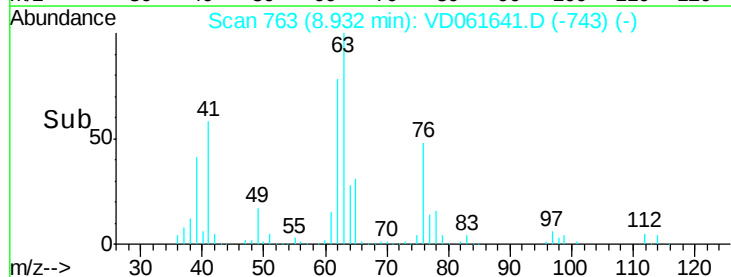
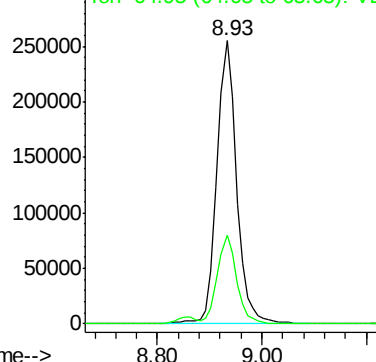


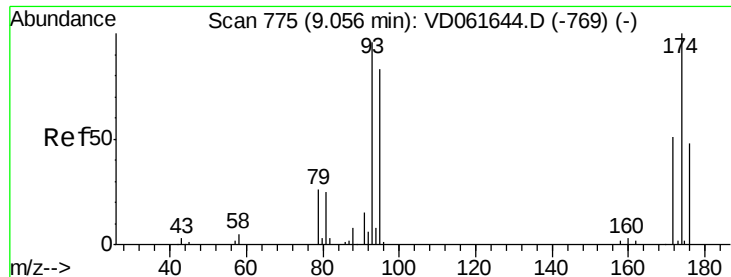
#45
 1,2-Dichloropropane
 Concen: 99.545 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion: 63 Resp: 646389
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC





#46
Dibromomethane
Concen: 100.681 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

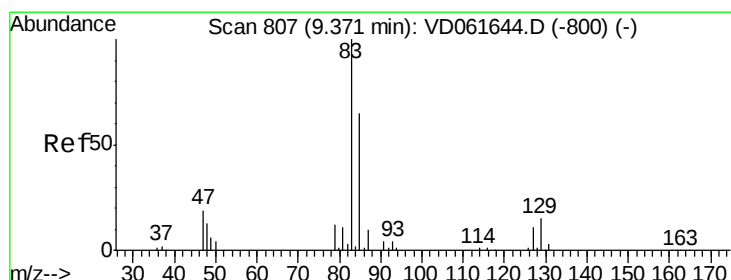
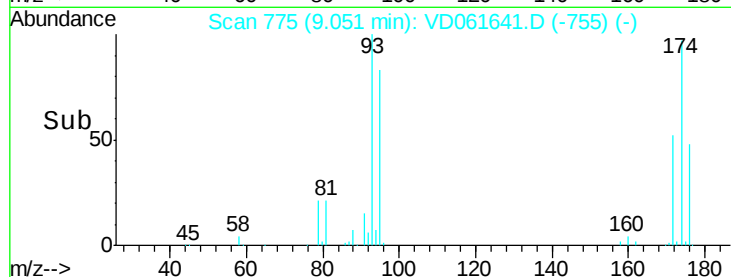
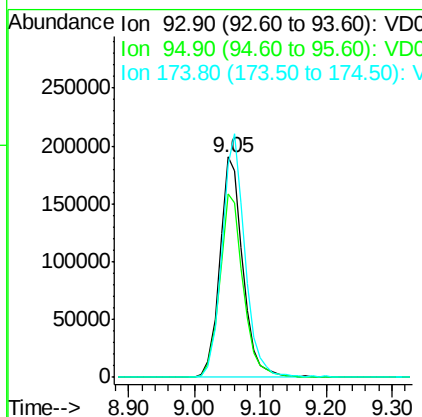
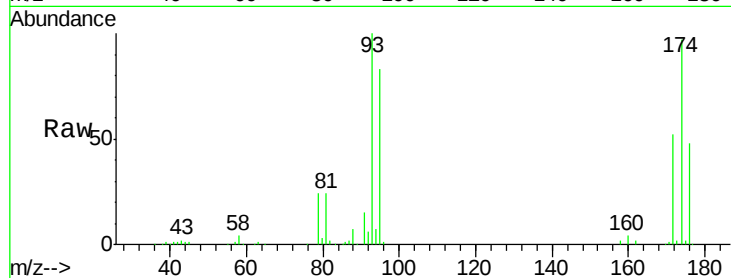
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.1	68.6	103.0
174	96.8	83.0	124.4

Manual Integrations
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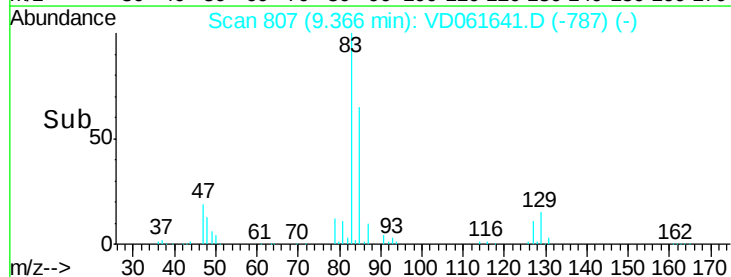
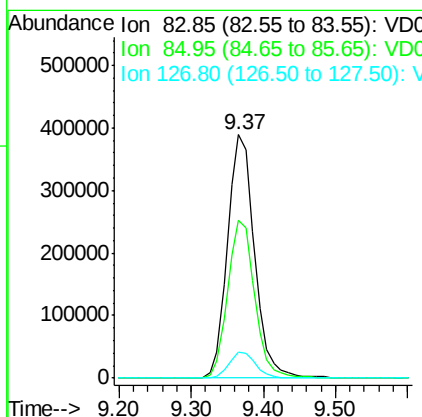
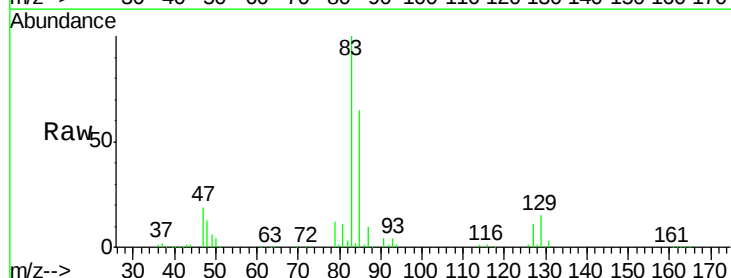
MMDadoda
4/11/2019 2:57:29 AM

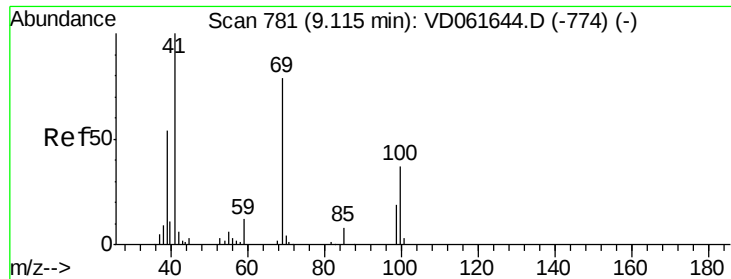
4/11/2019 2:57:29 AM



#47
Bromodichloromethane
Concen: 98.535 ug/l
RT: 9.37 min Scan# 807
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6
127	10.8	9.0	13.6





#48

Methvl methacrylate

Concen: 105.038 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 379602

Ion Ratio Lower Upper

41 100

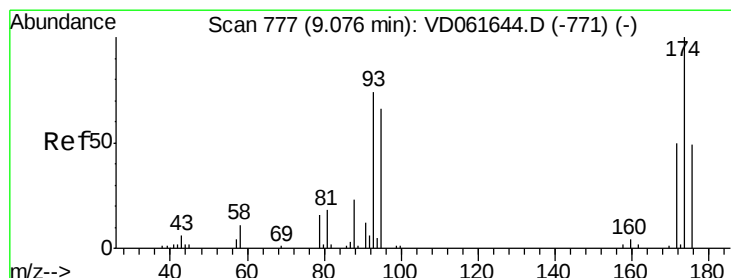
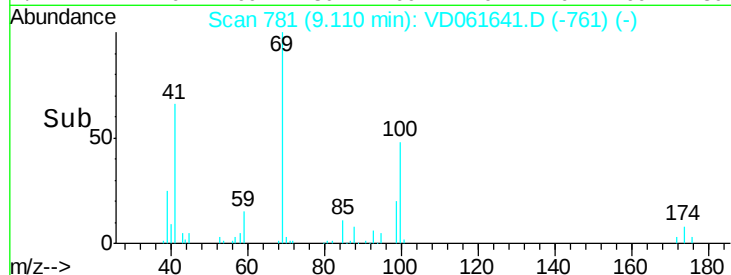
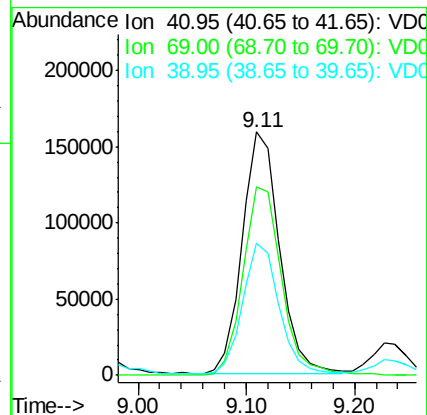
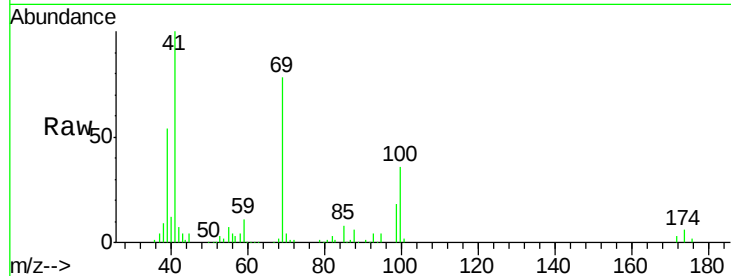
69 77.5 63.1 94.7

39 54.5 43.8 65.8

Manual Integrations
APPROVED

MMDadoda
4/11/2019 2:57:29 AM

4/11/2019 2:57:29 AM



#49

1,4-Dioxane

Concen: 2236.633 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

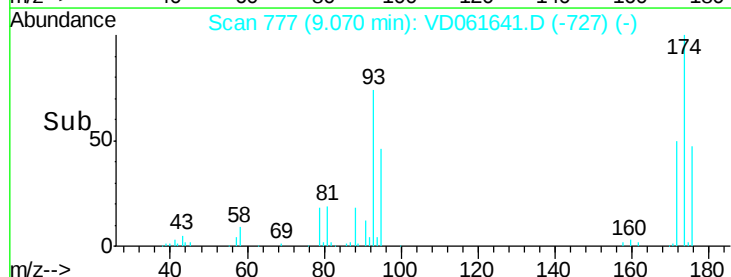
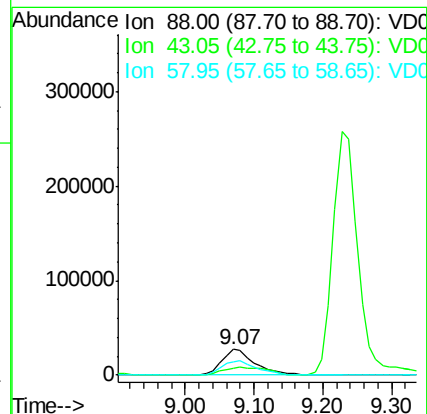
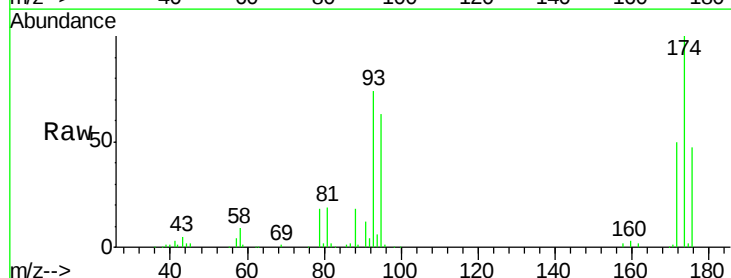
Tgt Ion: 88 Resp: 89468

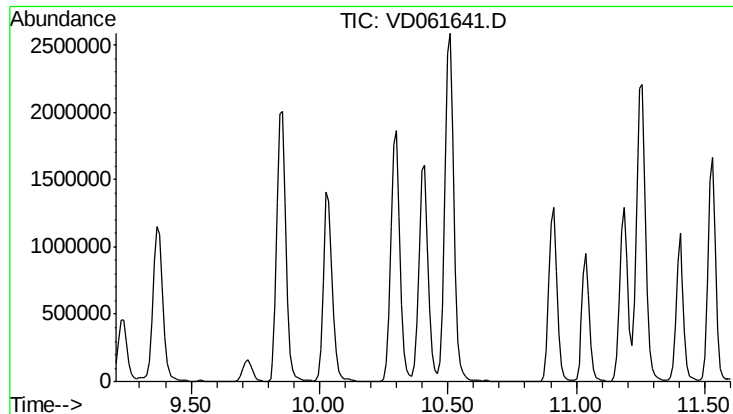
Ion Ratio Lower Upper

88 100

43 27.6 21.8 32.8

58 52.2 40.2 60.2





#50
Toluene-d8
Concen: 2236.633 ug/l
Expected RT: 10.40 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

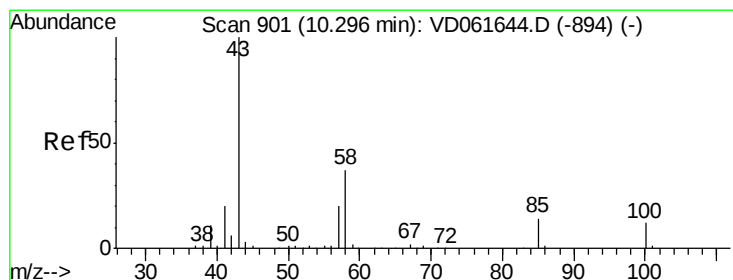
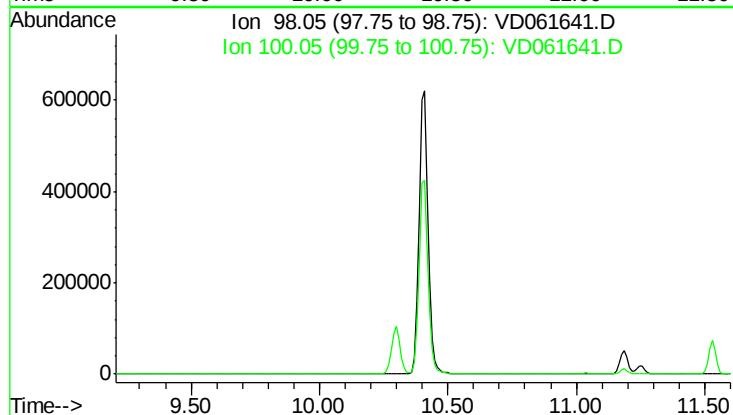
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 98
Sig Exp Ratio
98 100
100 69.2

Manual Integrations
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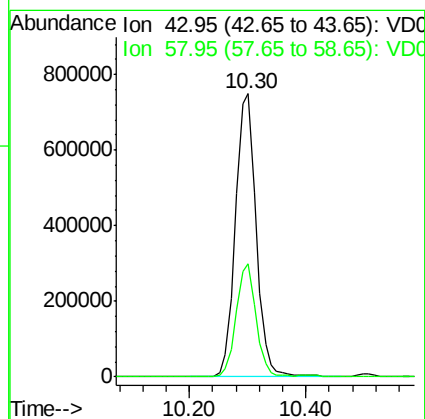
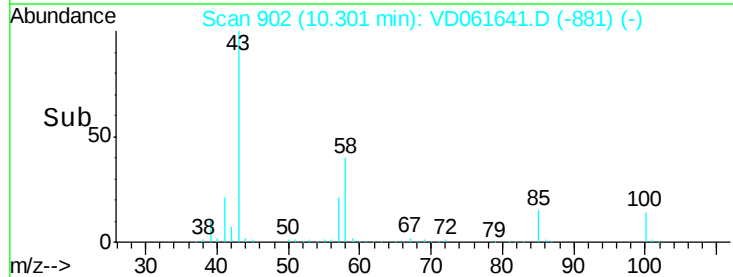
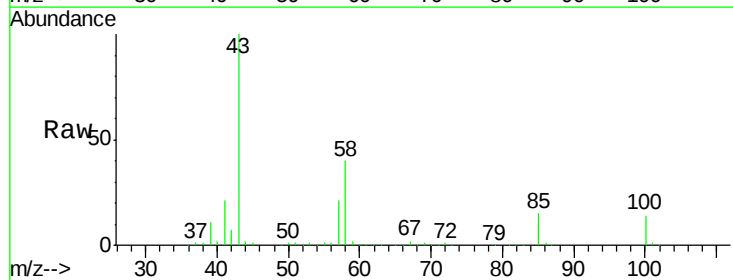
MMDadoda
4/11/2019 2:57:29 AM

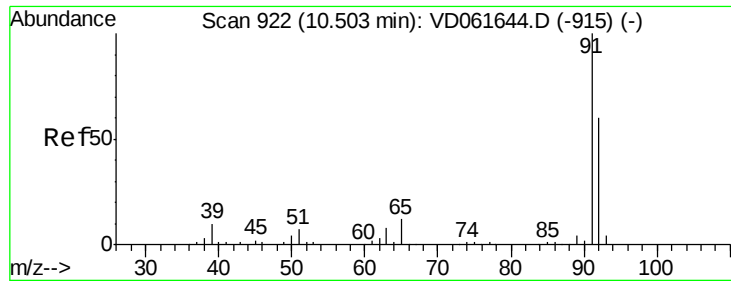
4/11/2019 2:57:29 AM



#51
4-Methyl-2-Pentanone
Concen: 480.270 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 43 Resp: 1848341
Ion Ratio Lower Upper
43 100
58 40.2 29.8 44.8





#52

Toluene

Concen: 94.426 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 92 Resp: 1550542

Ion Ratio Lower Upper

92 100

91 165.9 133.0 199.4

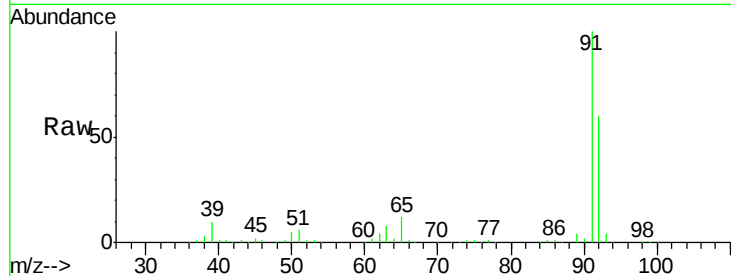
Manual Integrations

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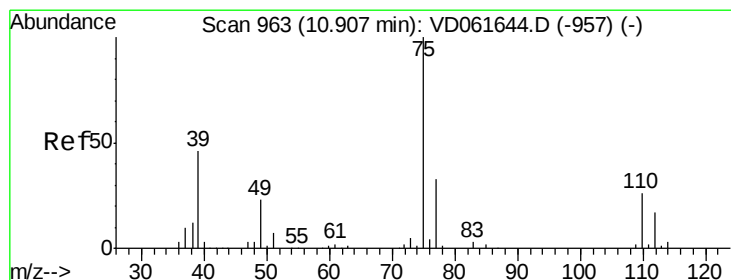
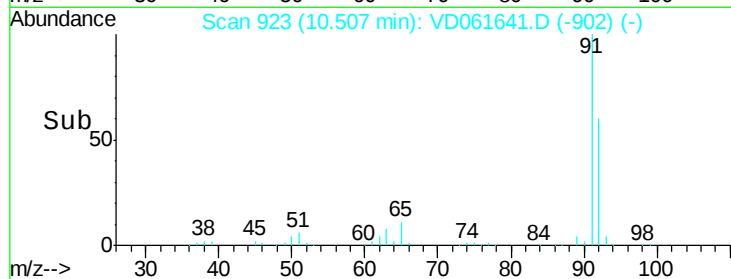
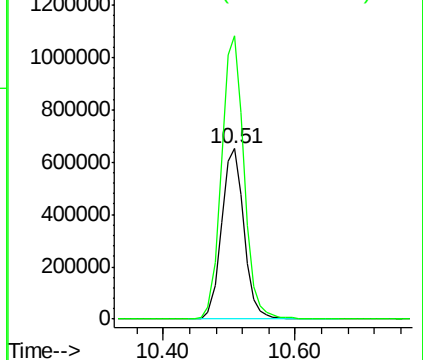
4/11/2019 2:57:29 AM

4/11/2019 2:57:29 AM



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 99.836 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD061641.D

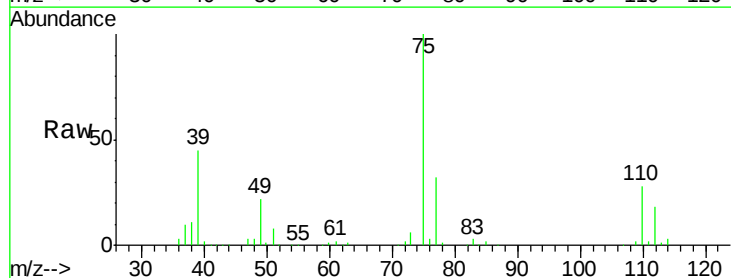
Acq: 6 Apr 2019 13:58

Tgt Ion: 75 Resp: 907118

Ion Ratio Lower Upper

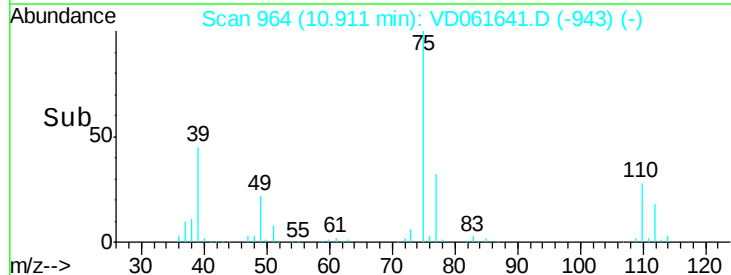
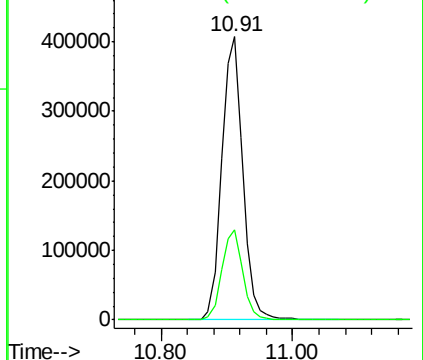
75 100

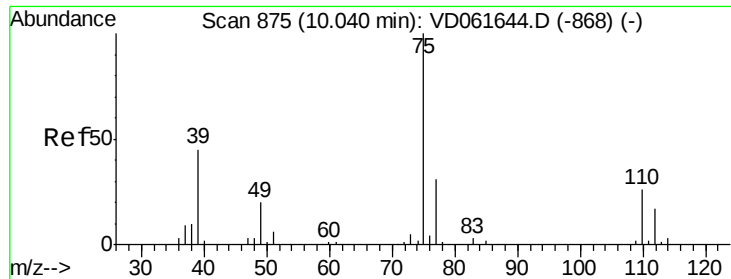
77 32.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

cis-1,3-Dichloropropene

Concen: 95.297 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.02 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

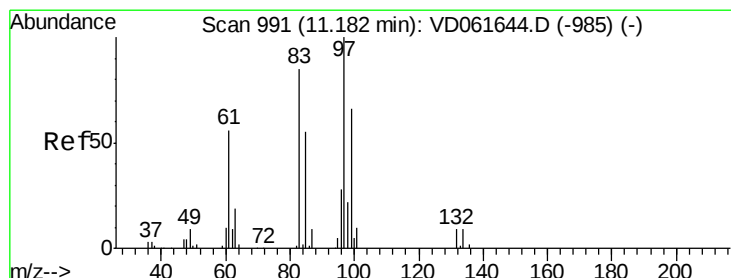
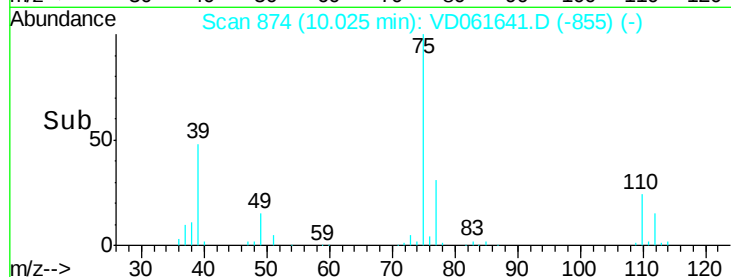
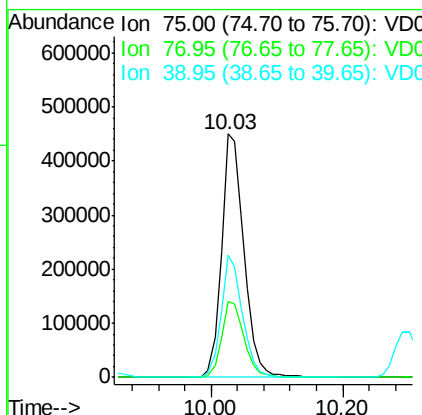
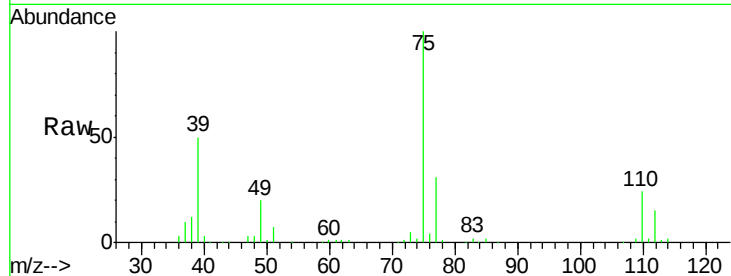
Tot Ion:	75	Resp:	1066663
Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0
39	50.0	36.2	54.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Manual Integrations
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4/11/2019 2:57:29 AM

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#55

1,1,2-Trichloroethane

Concen: 97.797 ug/l

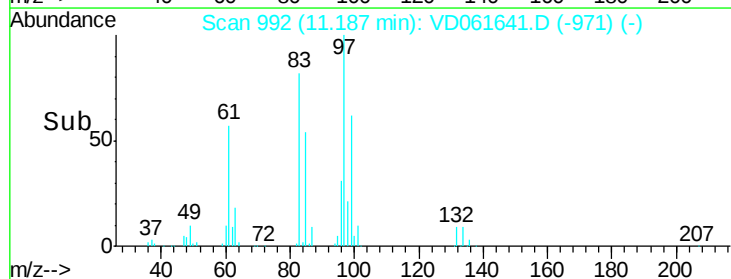
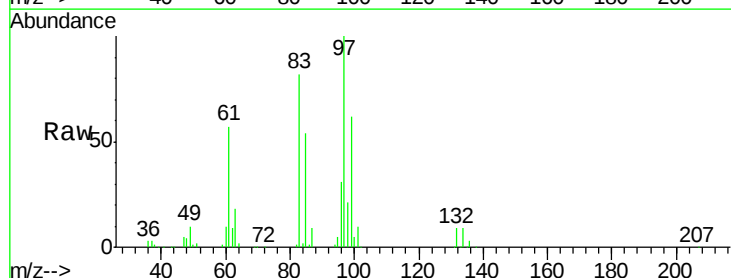
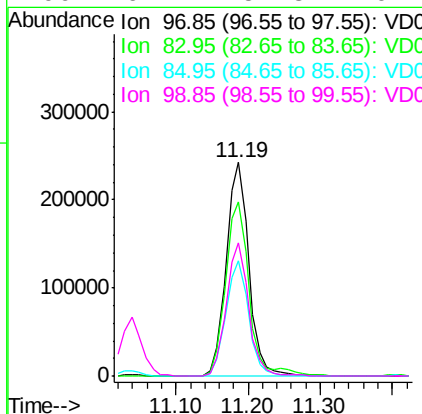
RT: 11.19 min Scan# 992

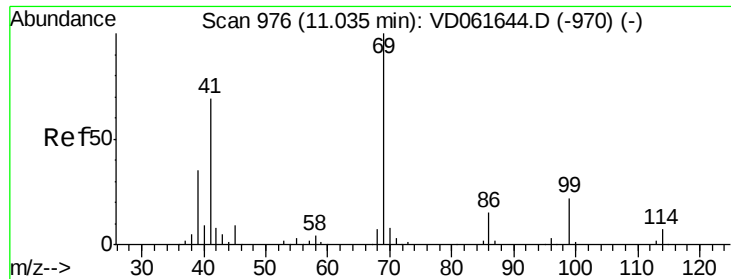
Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Tgt Ion:	97	Resp:	529479
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.8	101.6
85	54.0	43.8	65.8
99	62.1	52.8	79.2





#56

Ethyl methacrylate

Concen: 101.402 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

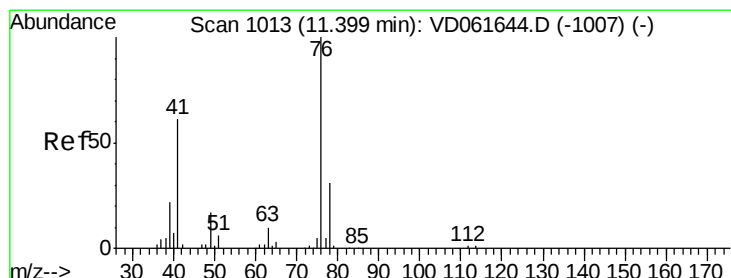
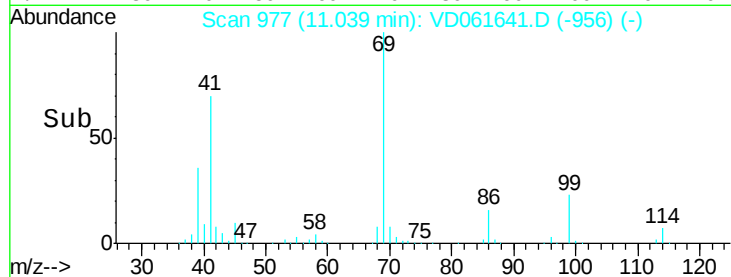
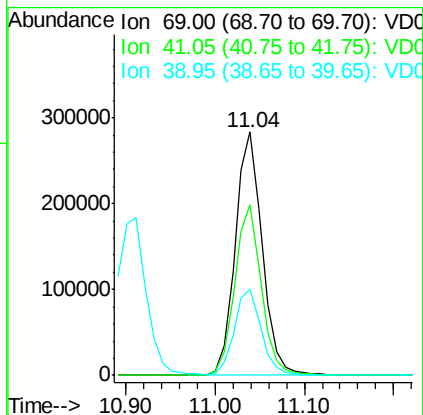
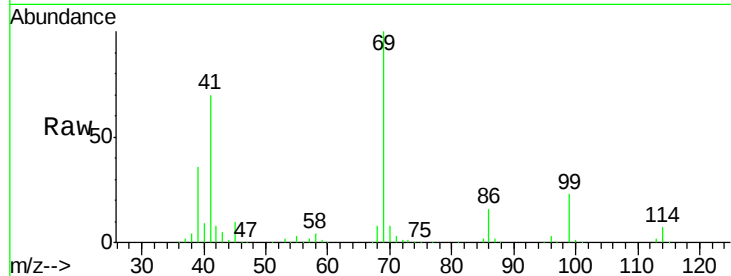
VSTDIC100

Tot Ion:	69	Resp:	596509
Ion Ratio	Lower	Upper	
69	100		
41	69.8	55.2	82.8
39	35.6	28.6	43.0

Manual Integrations
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MMDadoda
4/11/2019 2:57:29 AM

4/11/2019 2:57:29 AM



#57

1,3-Dichloropropane

Concen: 95.117 ug/l

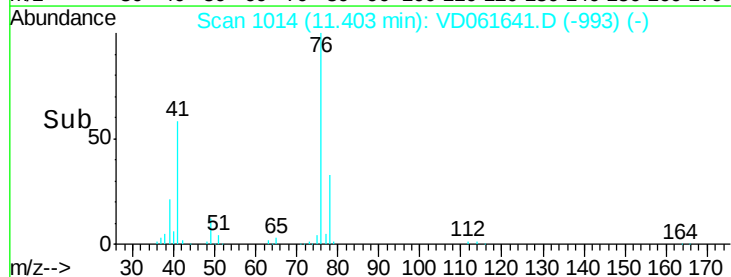
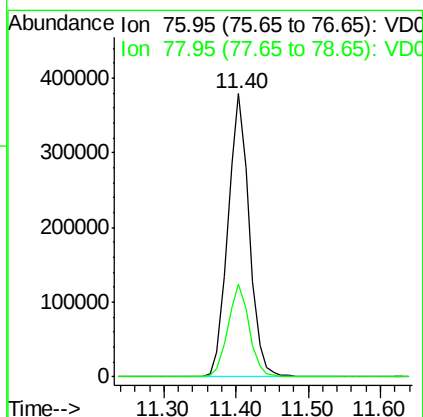
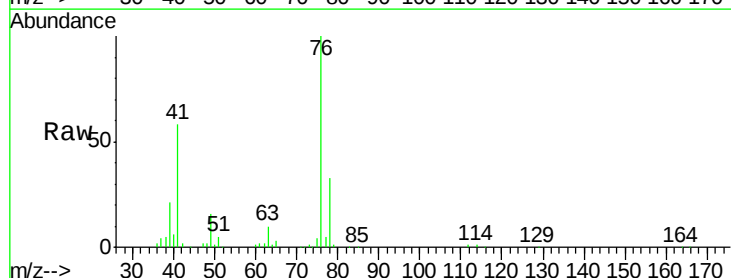
RT: 11.40 min Scan# 1014

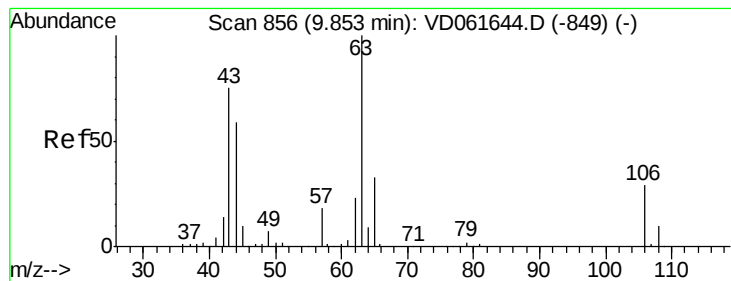
Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Tgt Ion:	76	Resp:	777529
Ion Ratio	Lower	Upper	
76	100		
78	32.9	24.5	36.7





#58

2-Chloroethyl Vinyl ether

Concen: 452.700 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1206498

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.6

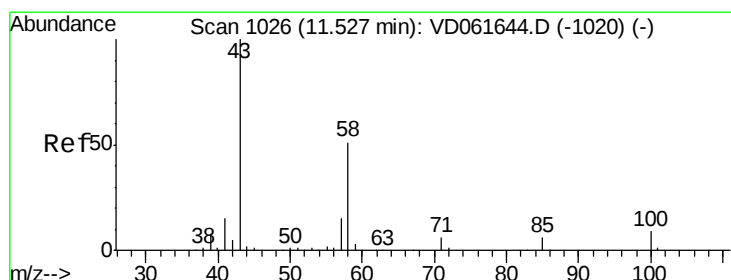
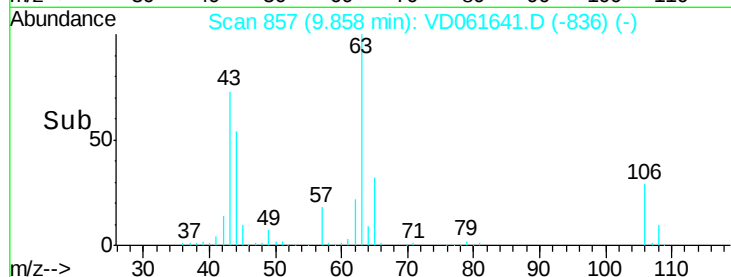
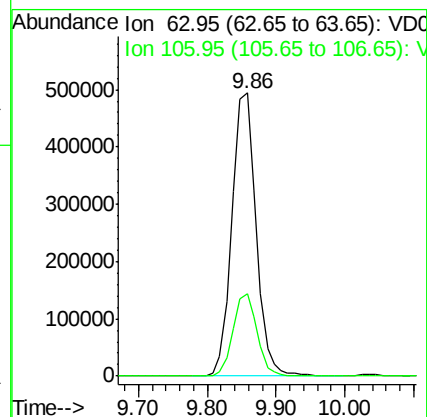
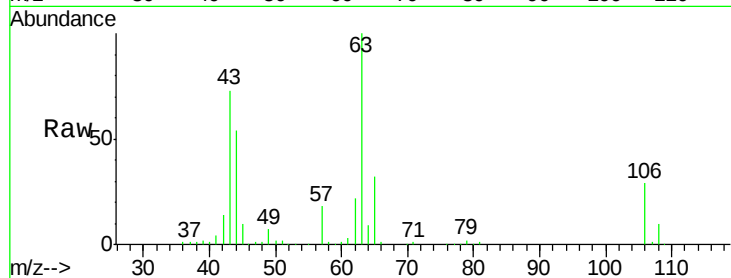
Manual Integrations

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#59

2-Hexanone

Concen: 487.555 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VD061641.D

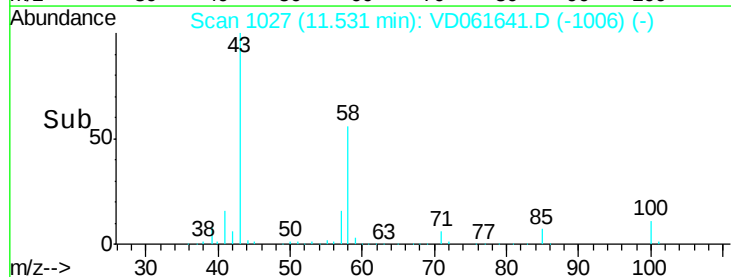
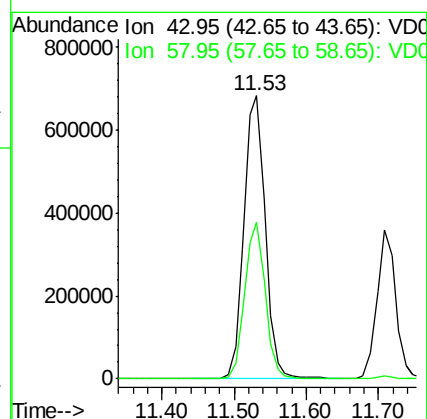
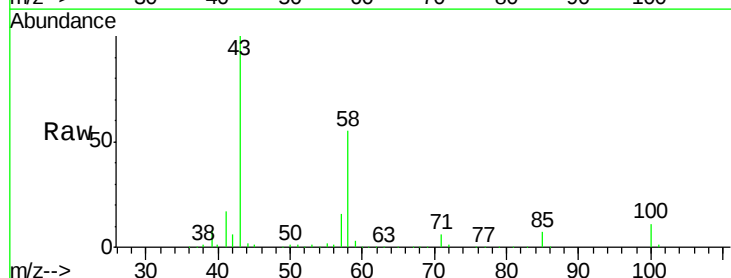
Acq: 6 Apr 2019 13:58

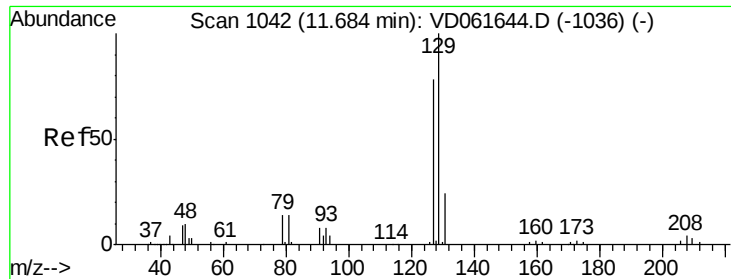
Tgt Ion: 43 Resp: 1416061

Ion Ratio Lower Upper

43 100

58 55.5 25.6 76.8





#60
Dibromochloromethane
Concen: 96.075 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

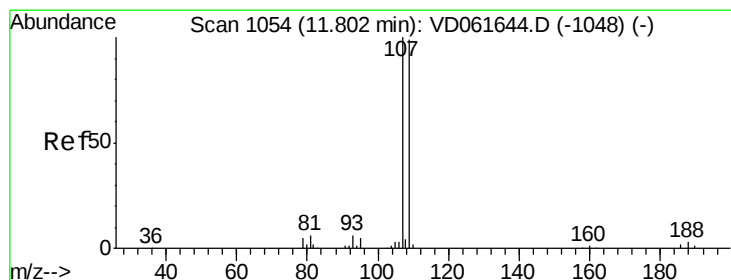
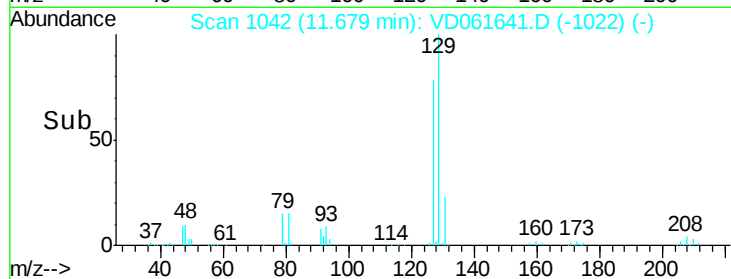
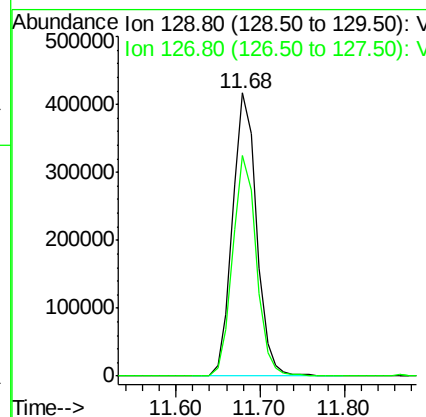
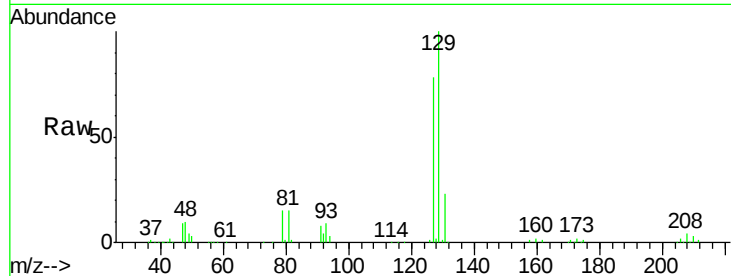
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:129 Resp: 827960
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.4

Manual Integrations
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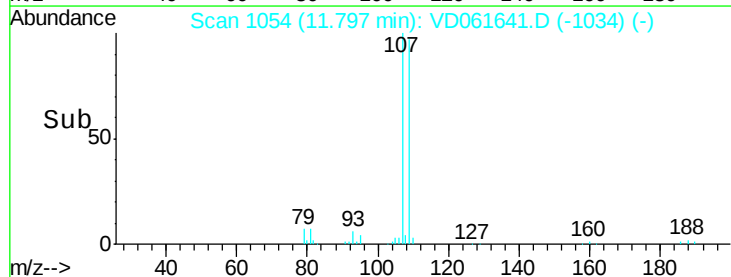
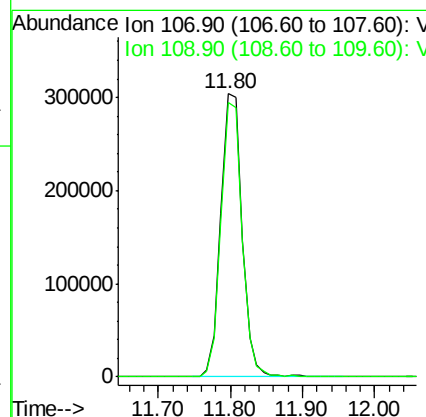
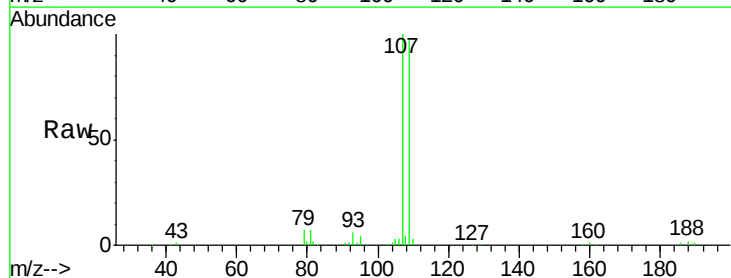
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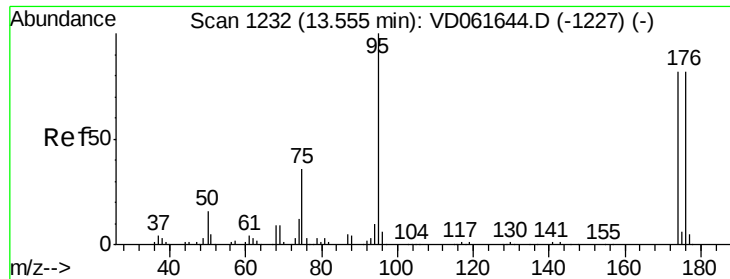
4/11/2019 2:57:29 AM



#61
1,2-Dibromoethane
Concen: 96.681 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:107 Resp: 617692
Ion Ratio Lower Upper
107 100
109 97.1 79.2 118.8





#62
 4-Bromofluorobenzene
 Concen: 96.681 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

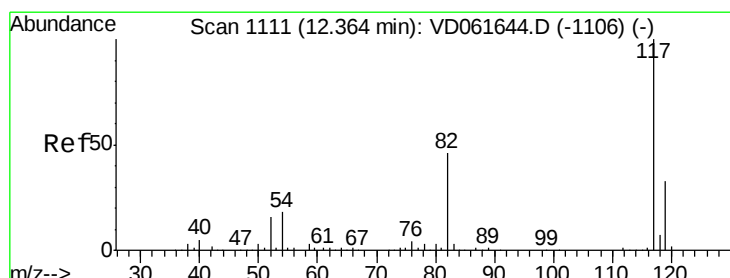
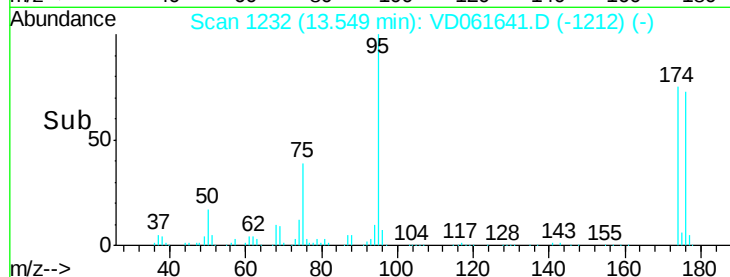
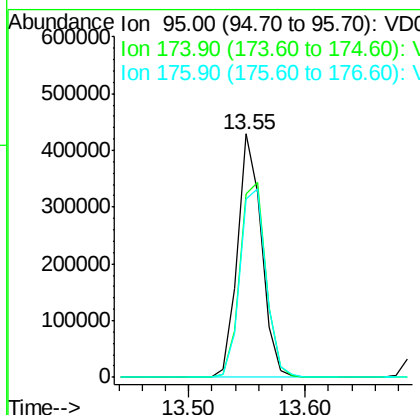
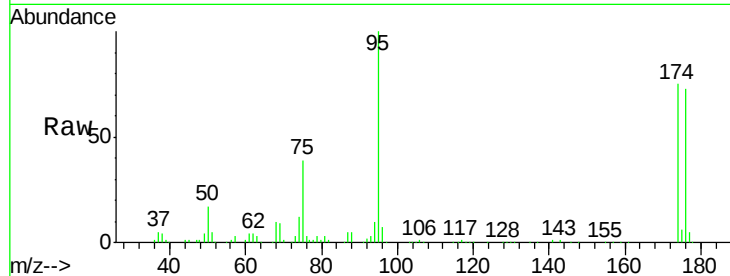
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
95	100	611667		
174	75.3	0.0	164.6	
176	73.3	0.0	165.0	

Manual Integrations
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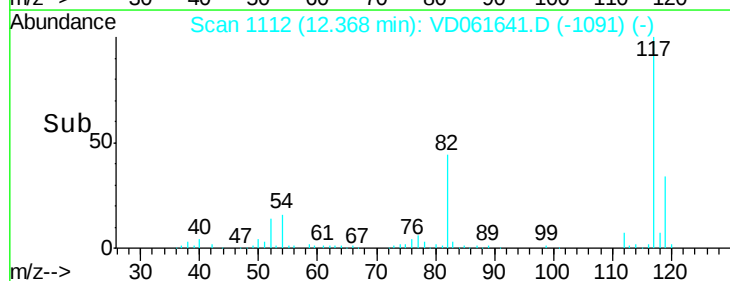
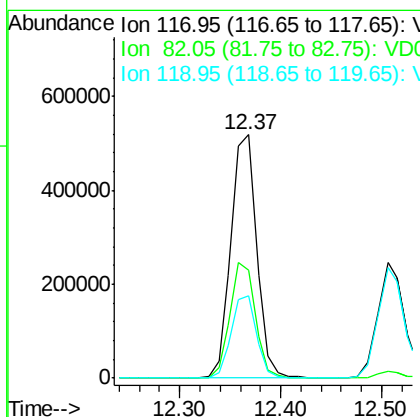
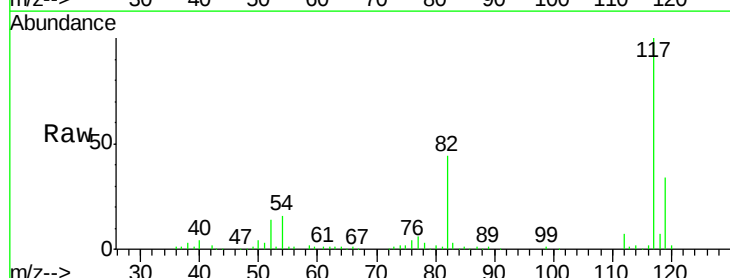
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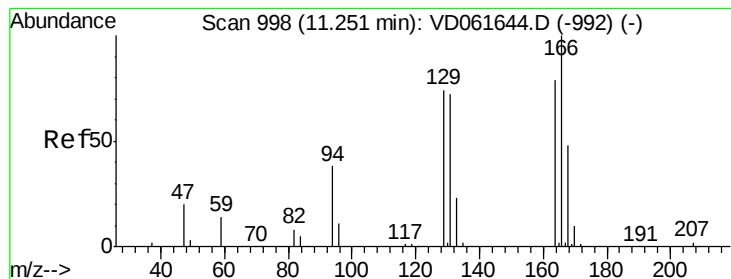
4/11/2019 2:57:29 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	923900		
82	44.3	36.8	55.2	
119	33.7	26.1	39.1	





#64

Tetrachloroethene

Concen: 104.588 ug/l

RT: 11.26 min Scan# 999

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 737350

Ion Ratio Lower Upper

164 100

166 126.2 101.8 152.8

129 89.9 75.4 113.0

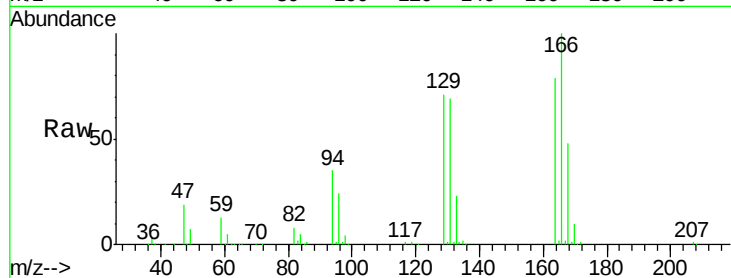
131 87.1 73.6 110.4

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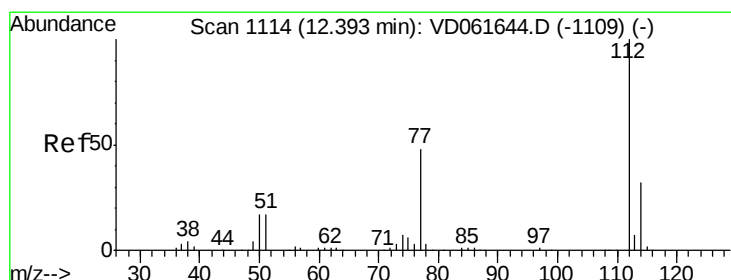
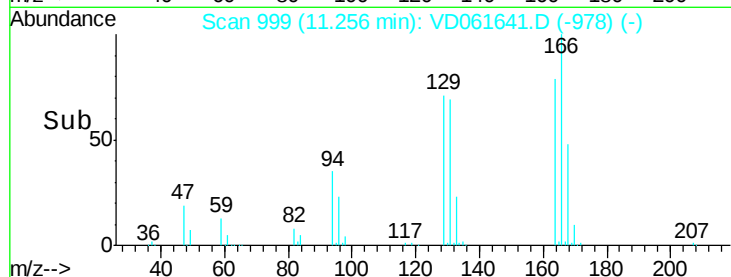
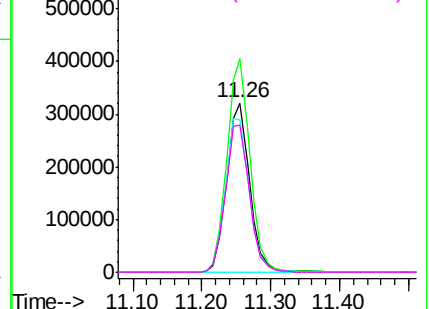
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 93.295 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD061641.D

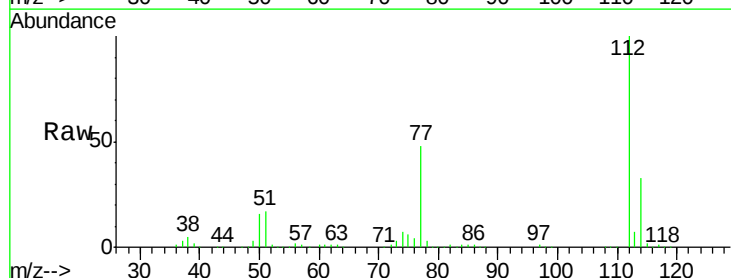
Acq: 6 Apr 2019 13:58

Tgt Ion:112 Resp: 1699367

Ion Ratio Lower Upper

112 100

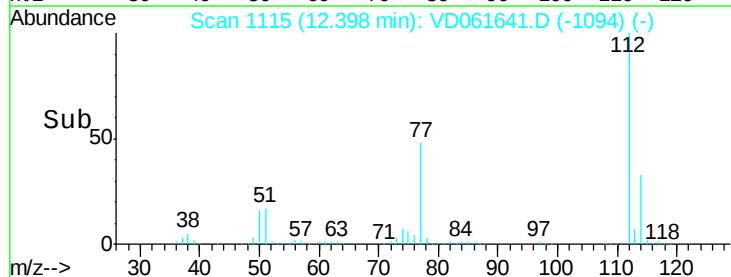
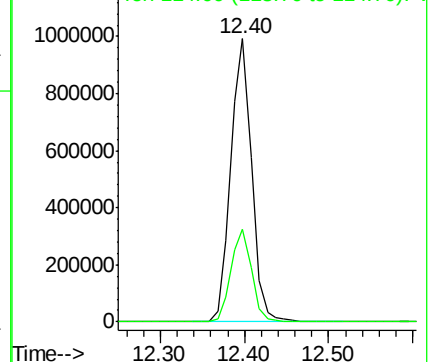
114 32.8 25.6 38.4

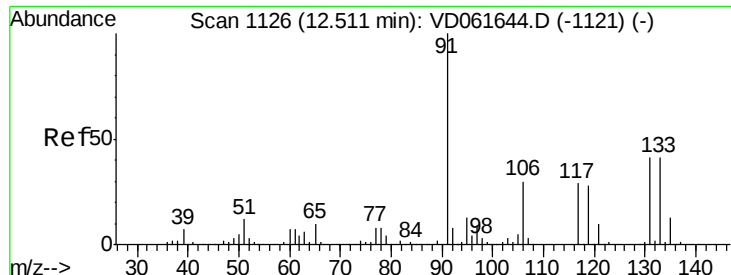


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 89.870 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:131 Resp: 650947

Ion Ratio Lower Upper

131 100

133 97.5 49.5 148.3

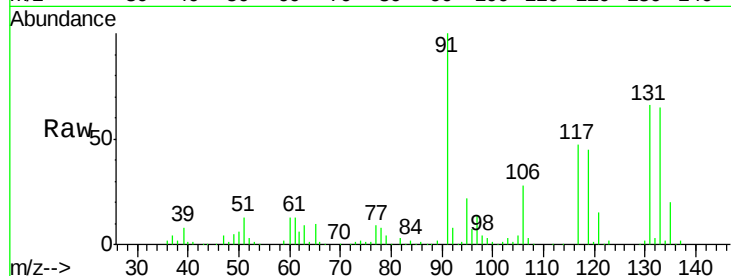
119 68.0 34.7 104.1

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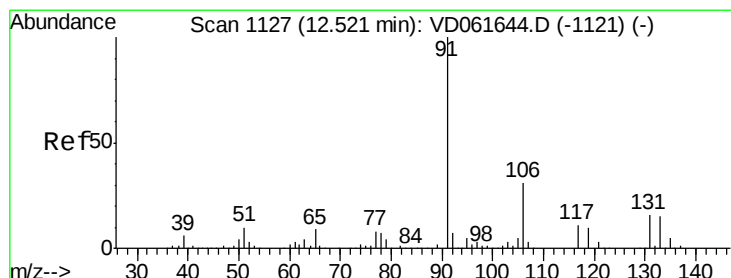
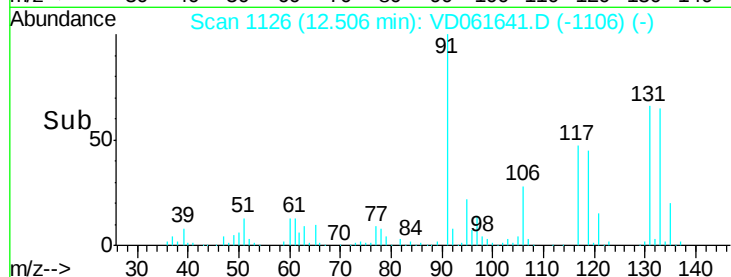
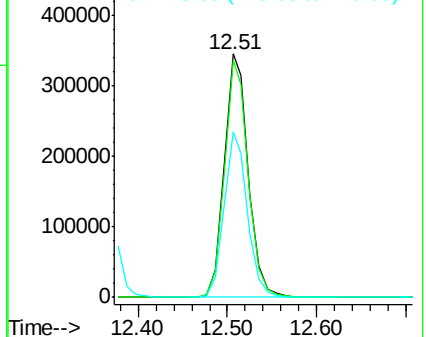
4/11/2019 2:57:29 AM



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 82.108 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD061641.D

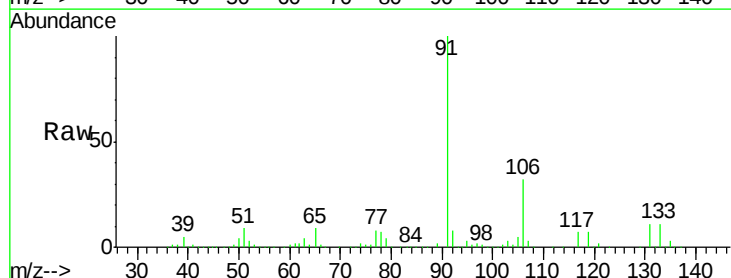
Acq: 6 Apr 2019 13:58

Tgt Ion: 91 Resp: 2382346

Ion Ratio Lower Upper

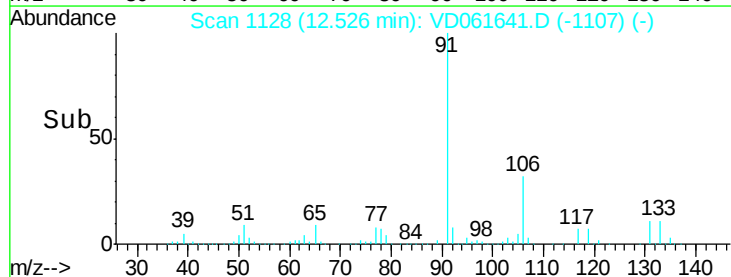
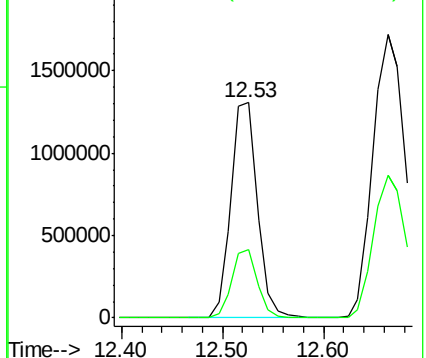
91 100

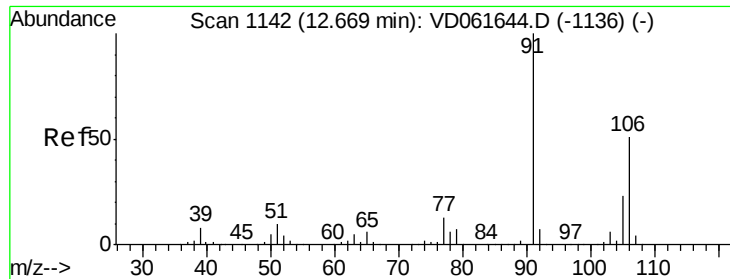
106 31.6 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V





#68
m/p-Xylenes
Concen: 177.700 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

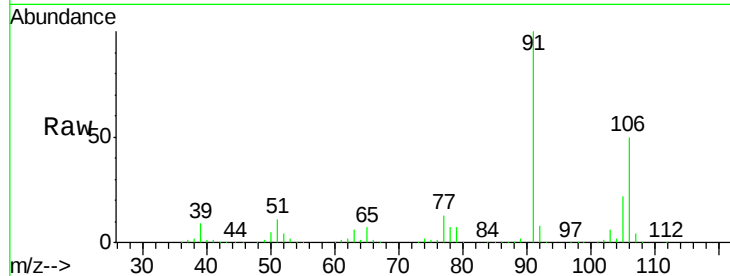
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion:106 Resp: 1904433
Ion Ratio Lower Upper
106 100
91 199.0 156.7 235.1

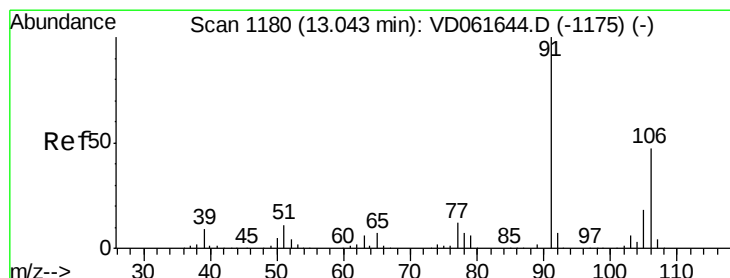
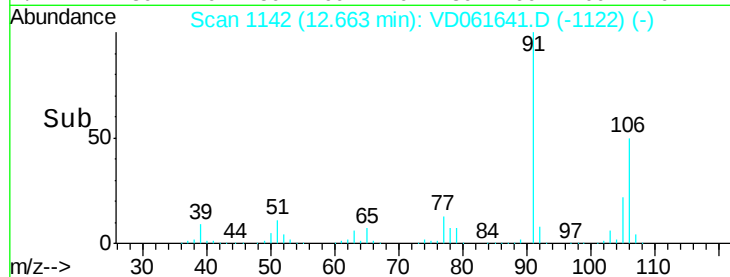
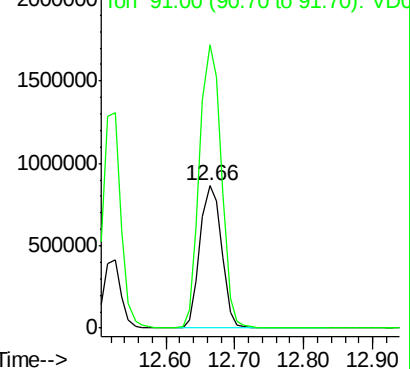
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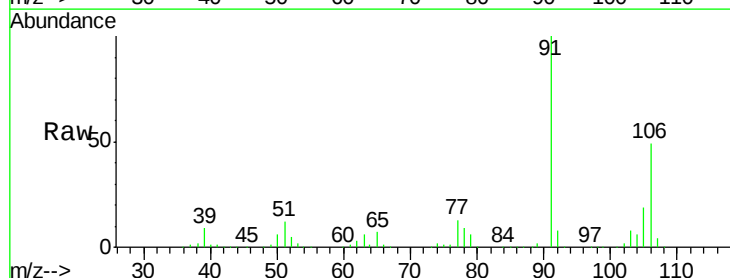


Abundance Ion 106.05 (105.75 to 106.75): V

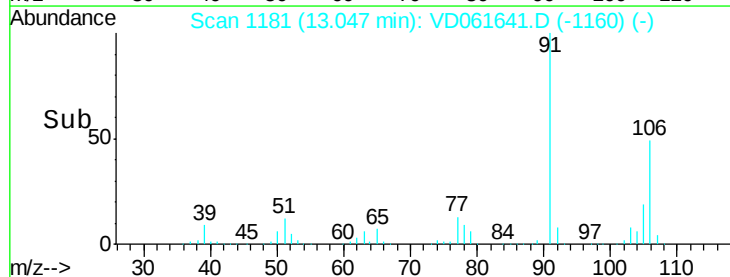
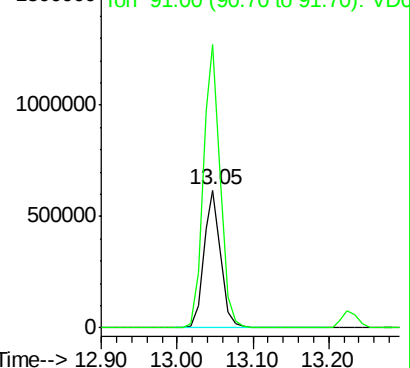


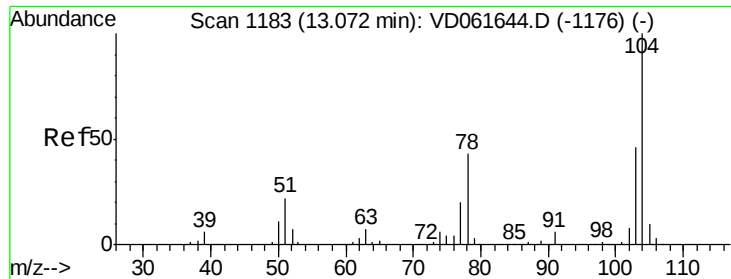
#69
o-Xylene
Concen: 92.365 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:106 Resp: 957337
Ion Ratio Lower Upper
106 100
91 205.0 107.3 321.9



Abundance Ion 106.05 (105.75 to 106.75): V





#70
Stvrene
Concen: 92.240 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

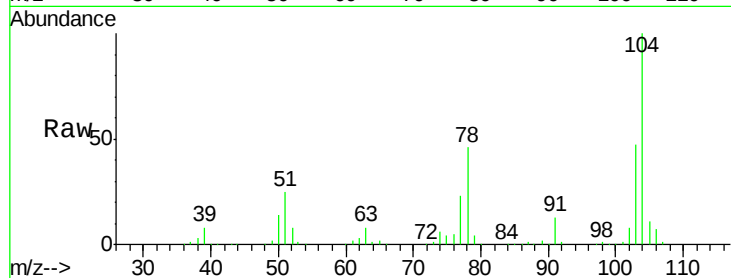
Instrument :
MSVOA_D
ClientSampled :
VSTDIC100

Tot Ion:104 Resp: 1637178
Ion Ratio Lower Upper
104 100
78 45.9 34.2 51.4
103 47.4 37.2 55.8

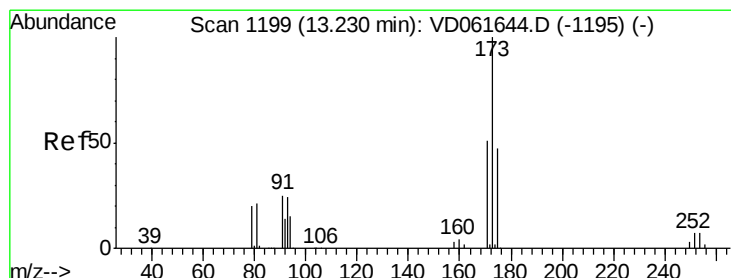
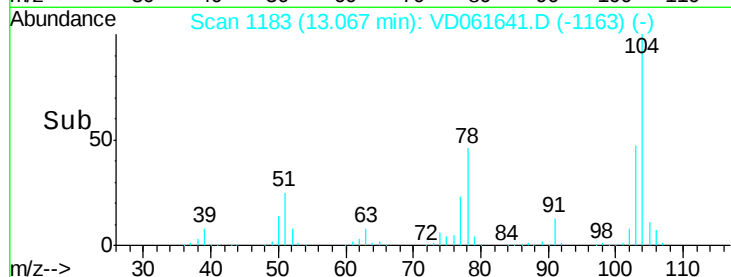
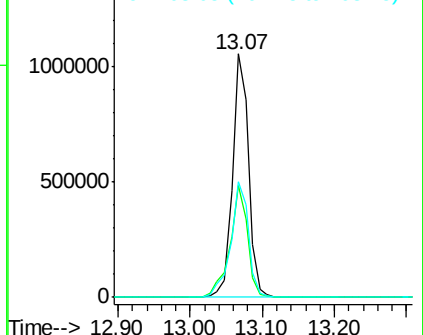
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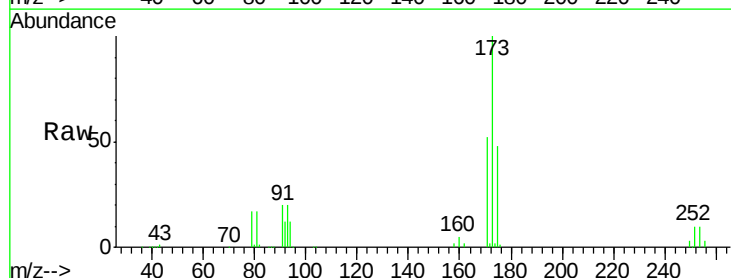


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

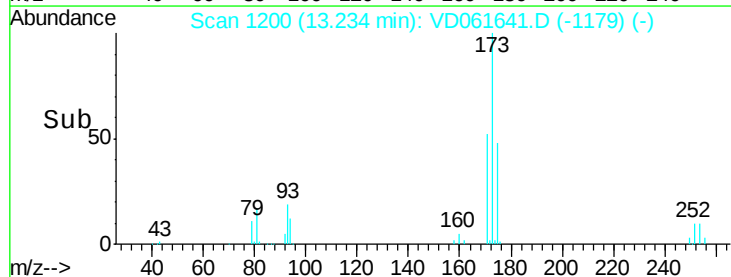
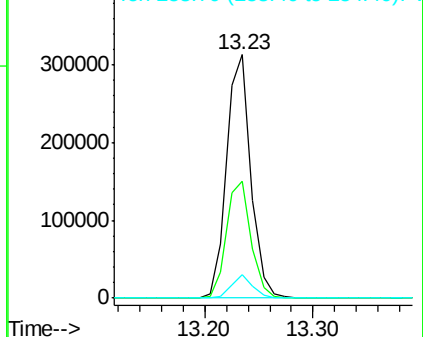


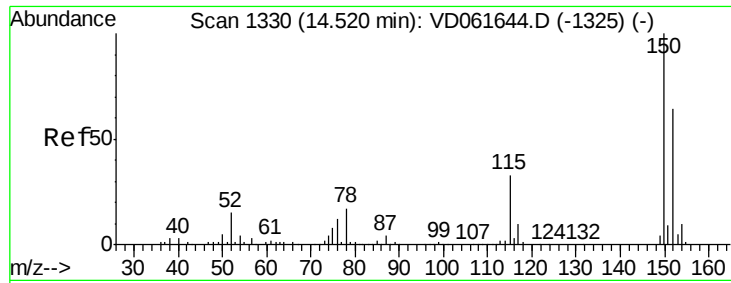
#71
Bromoform
Concen: 112.452 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:173 Resp: 486078
Ion Ratio Lower Upper
173 100
175 48.2 23.7 71.1
254 9.7 5.8 8.6#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:152 Resp: 432156

Ion Ratio Lower Upper

152 100

115 58.2 26.4 79.2

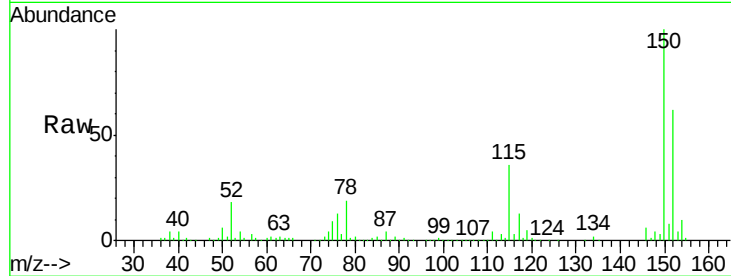
150 161.0 0.0 320.6

Manual Integrations
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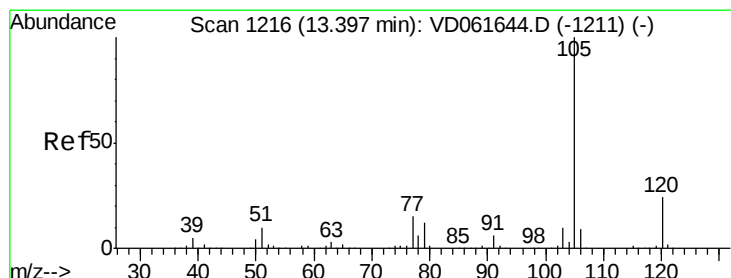
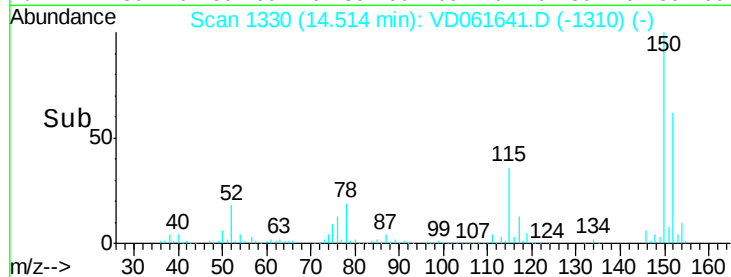
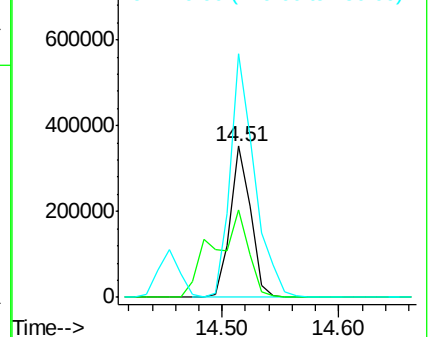
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 93.336 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061641.D

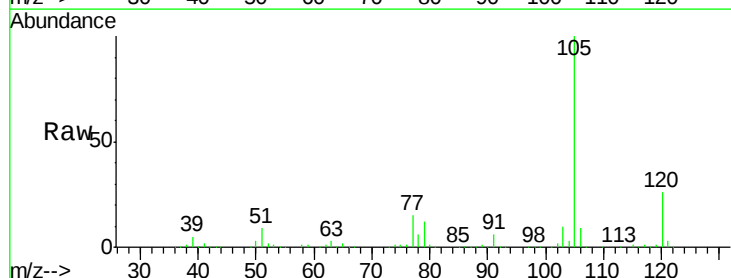
Acq: 6 Apr 2019 13:58

Tgt Ion:105 Resp: 2714741

Ion Ratio Lower Upper

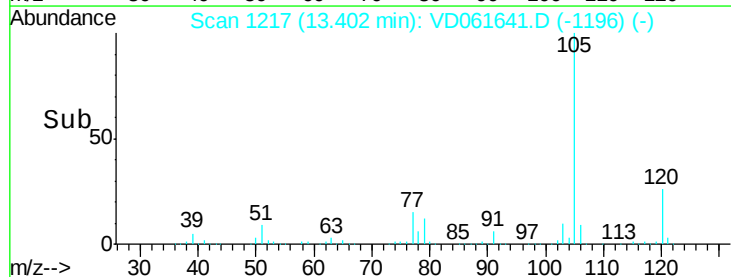
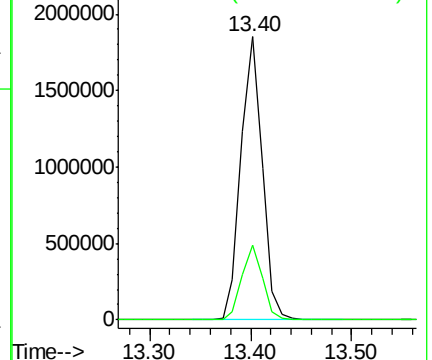
105 100

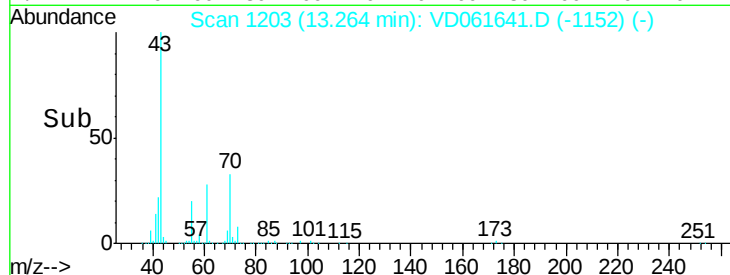
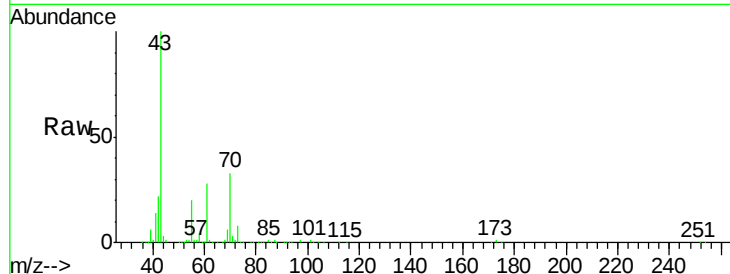
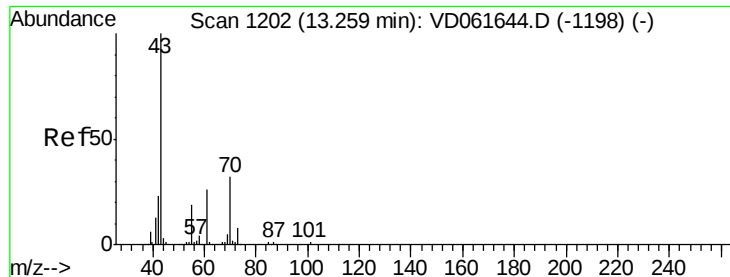
120 26.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74
N-amvl acetate
Concen: 107.201 ug/l
RT: 13.26 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

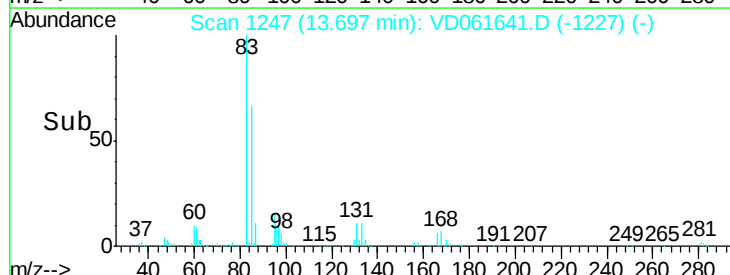
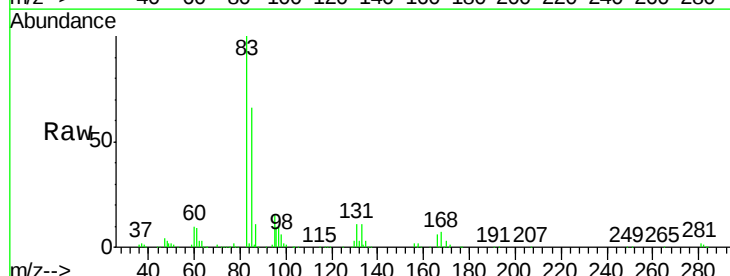
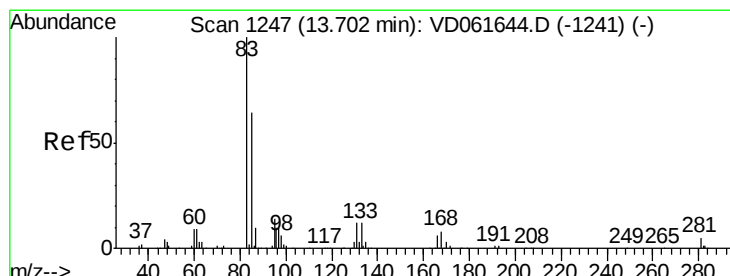
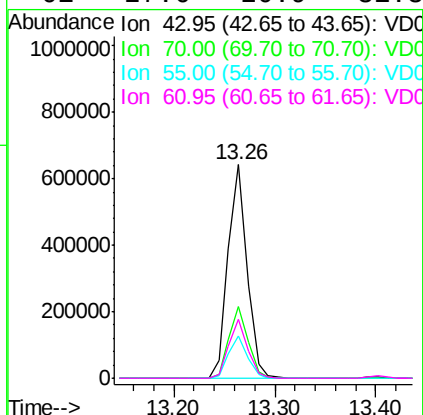
Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		842715		
70	33.3	25.4	38.2		
55	19.8	15.0	22.4		
61	27.6	20.9	31.3		

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
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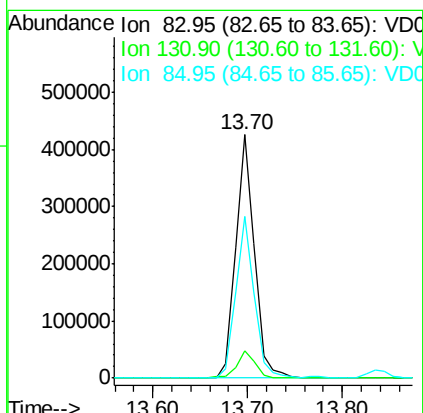
MMDadoda
4/11/2019 2:57:29 AM

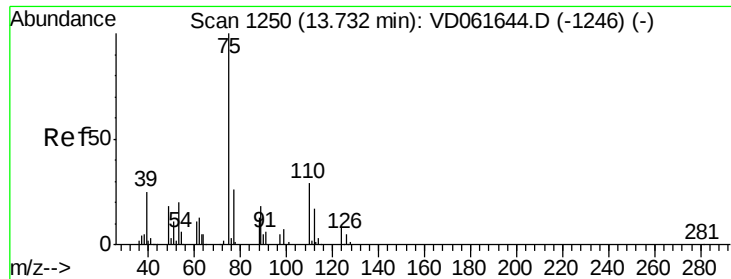
4/11/2019 2:57:29 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 100.215 ug/l
RT: 13.70 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		582855		
131	11.0	5.9	17.6		
85	66.2	32.0	96.2		





#76
1,2,3-Trichloropropane
Concen: 102.251 ug/l
RT: 13.73 min Scan# 1250
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

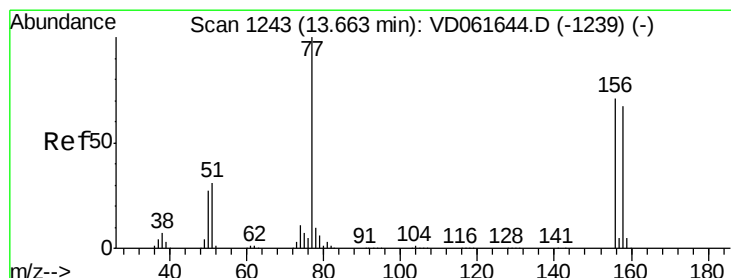
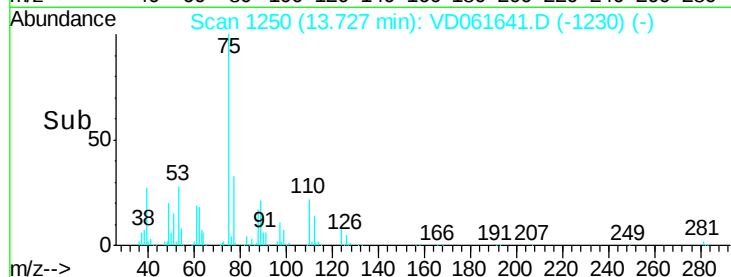
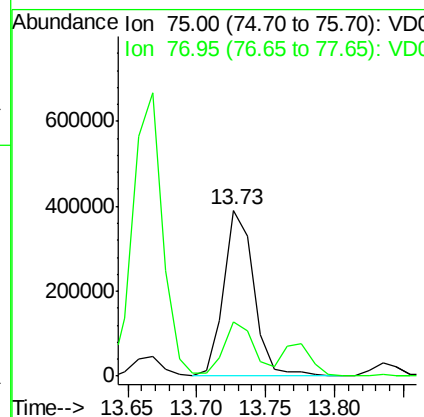
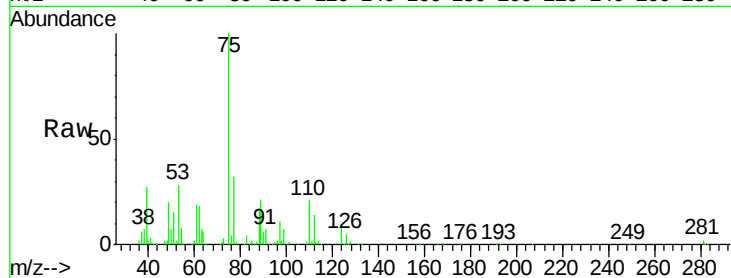
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	15.7	47.1

Manual Integrations
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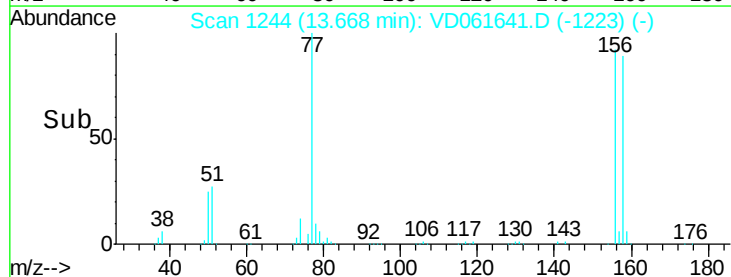
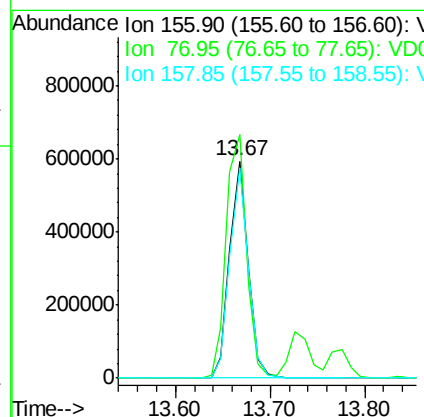
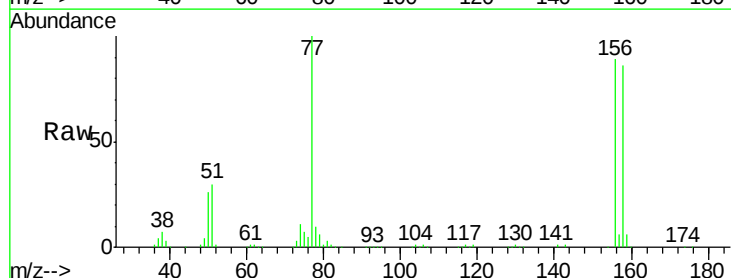
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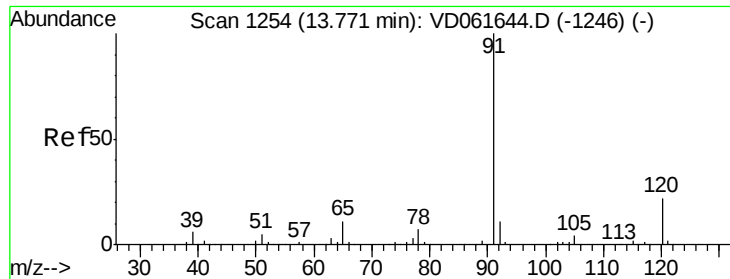
4/11/2019 2:57:29 AM



#77
Bromobenzene
Concen: 95.038 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion	Ratio	Lower	Upper
156	100		
77	112.3	70.3	210.8
158	96.8	47.4	142.2





#78
n-propylbenzene
Concen: 91.864 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

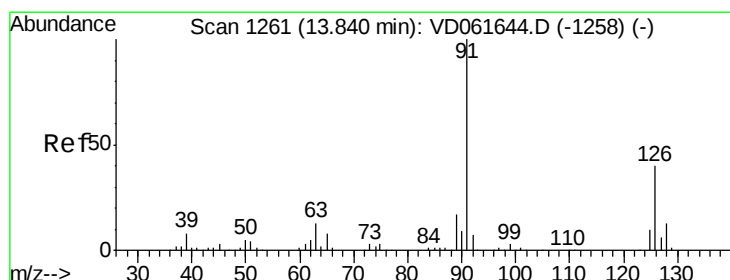
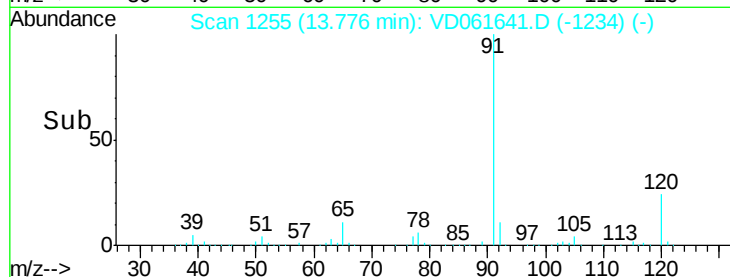
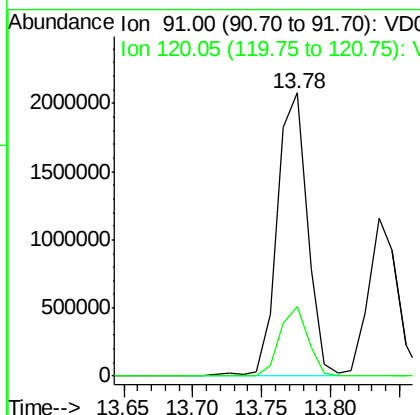
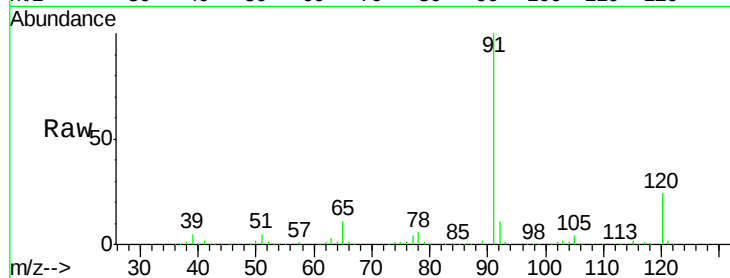
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3143017
Ion Ratio Lower Upper
91 100
120 24.5 10.8 32.4

Manual Integrations
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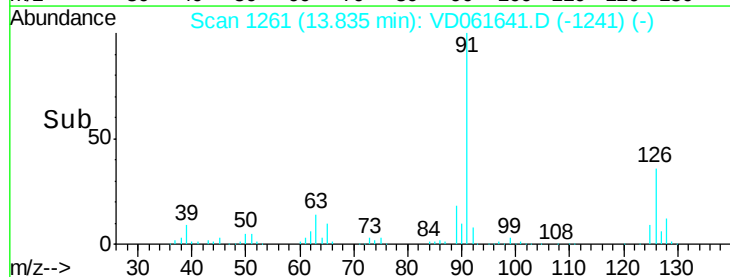
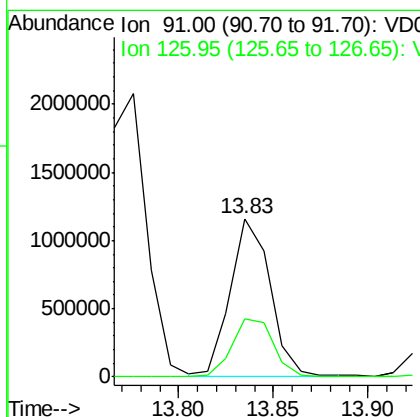
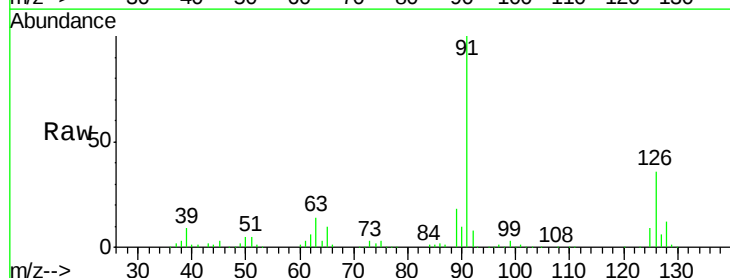
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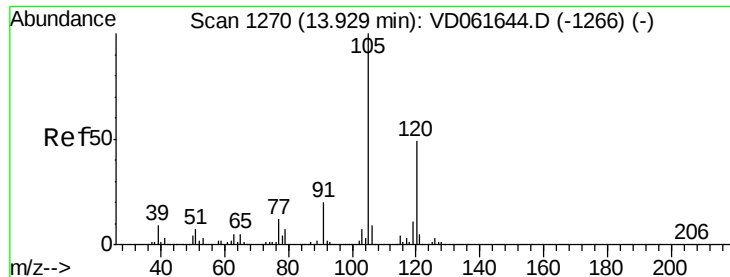
4/11/2019 2:57:29 AM



#79
2-Chlorotoluene
Concen: 86.621 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 91 Resp: 1694654
Ion Ratio Lower Upper
91 100
126 36.5 20.0 59.9





#80
 1,3,5-Trimethylbenzene
 Concen: 87.631 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

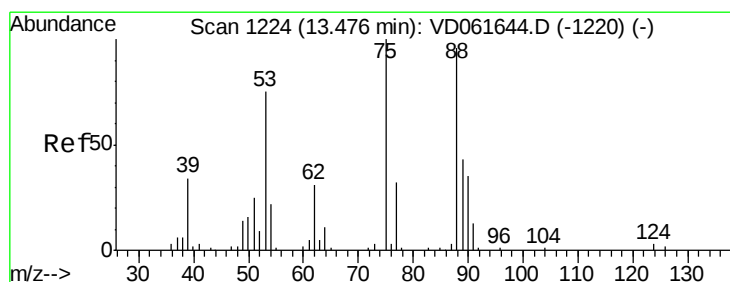
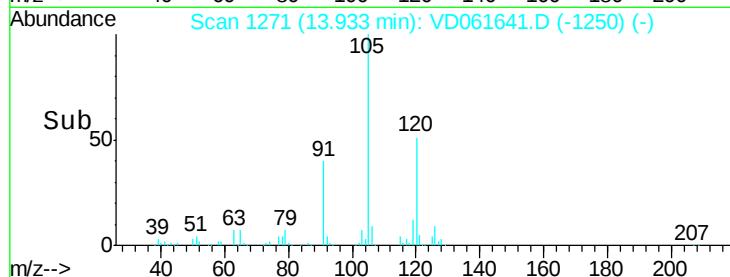
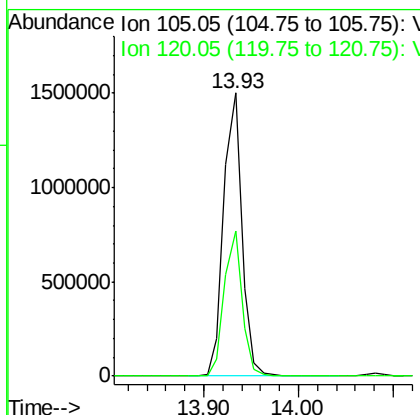
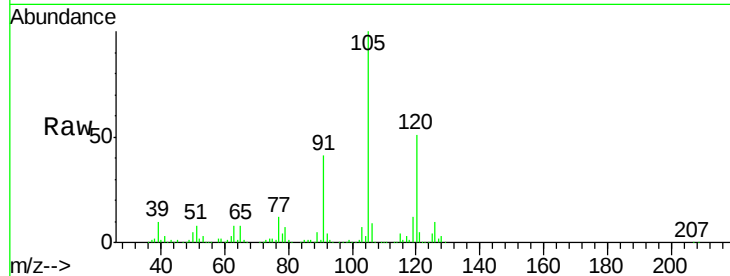
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2000365
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.4 73.2

Manual Integrations
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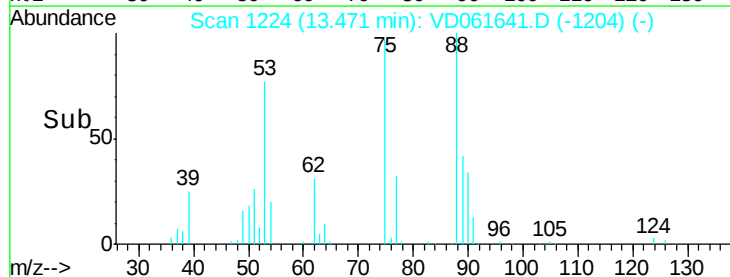
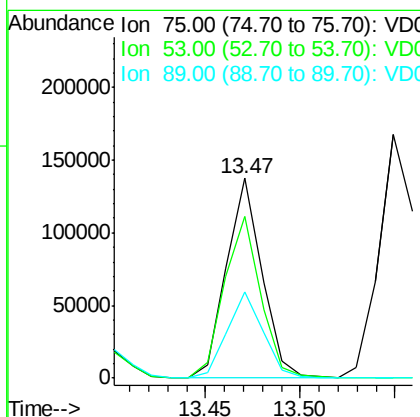
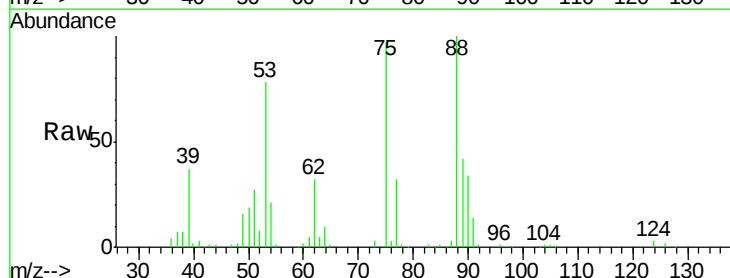
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 4/11/2019 2:57:29 AM

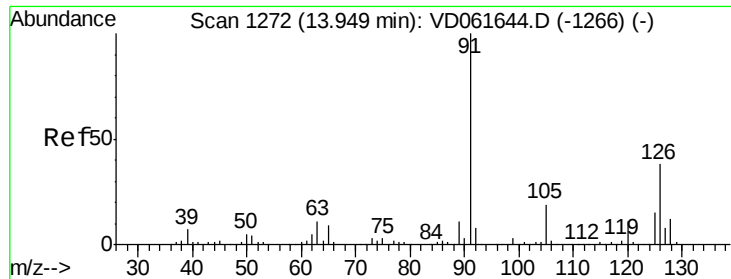
4/11/2019 2:57:29 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.511 ug/l
 RT: 13.47 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion: 75 Resp: 178605
 Ion Ratio Lower Upper
 75 100
 53 80.9 60.2 90.2
 89 42.9 34.2 51.2





#82

4-Chlorotoluene

Concen: 81.710 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1746708

Ion Ratio Lower Upper

91 100

126 35.2 19.0 57.0

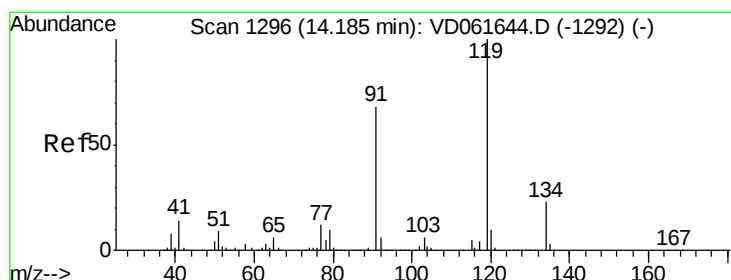
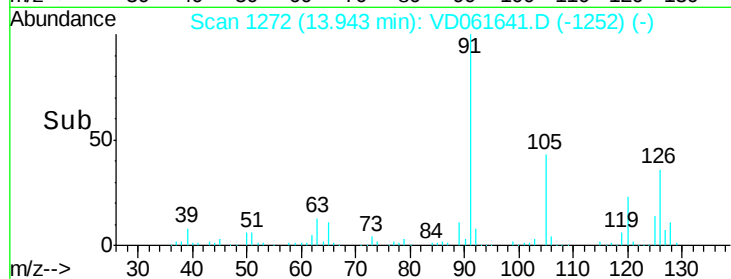
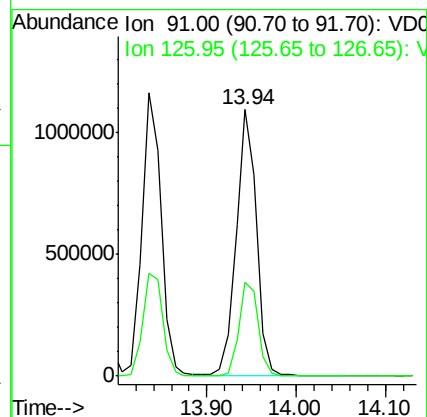
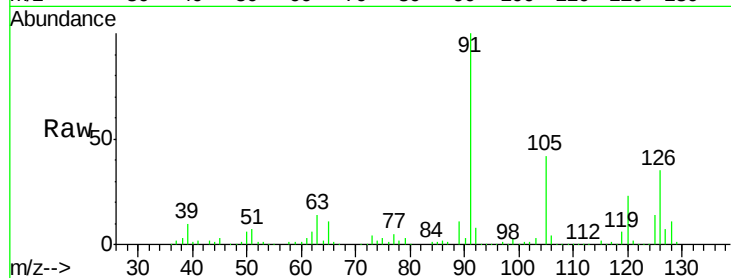
Manual Integrations

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4/11/2019 2:57:29 AM

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#83

tert-Butylbenzene

Concen: 90.180 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

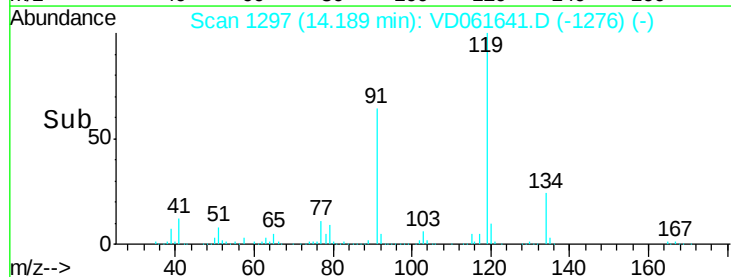
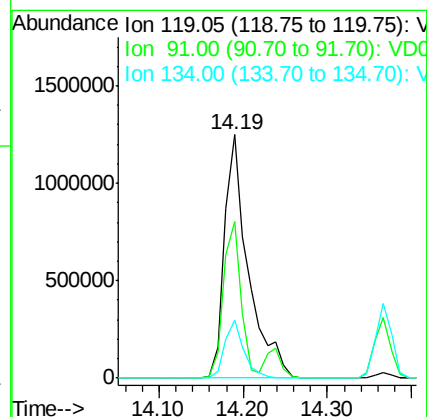
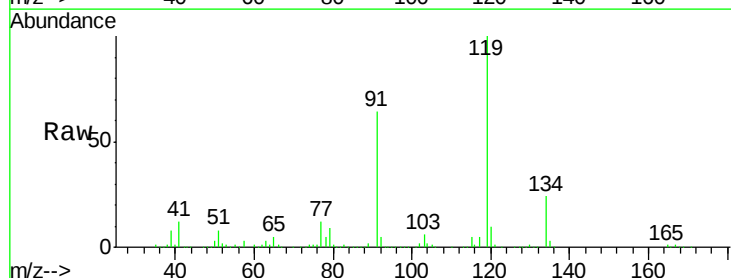
Tgt Ion: 119 Resp: 2462827

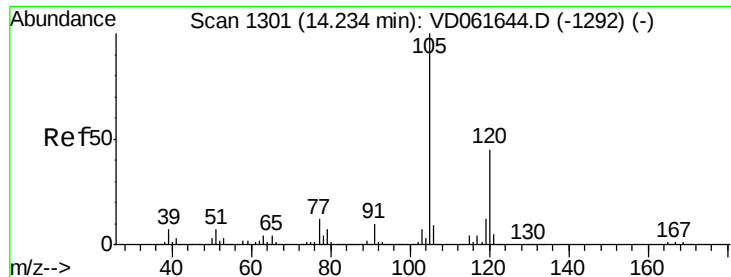
Ion Ratio Lower Upper

119 100

91 64.5 33.9 101.6

134 23.8 11.6 34.8





#84
1,2,4-Trimethylbenzene
Concen: 88.516 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

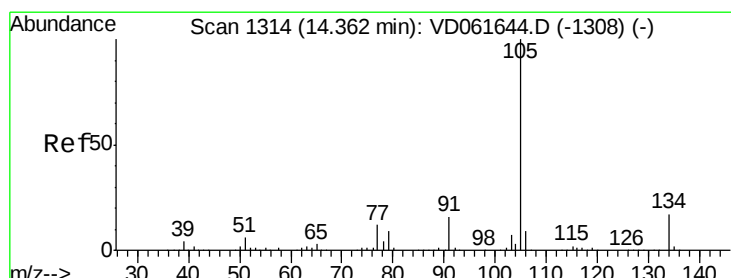
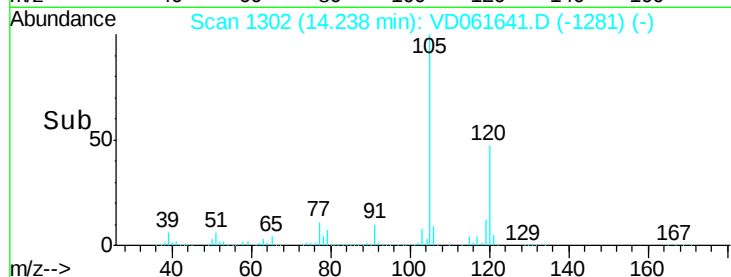
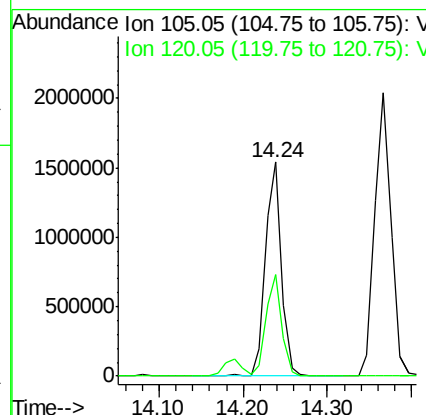
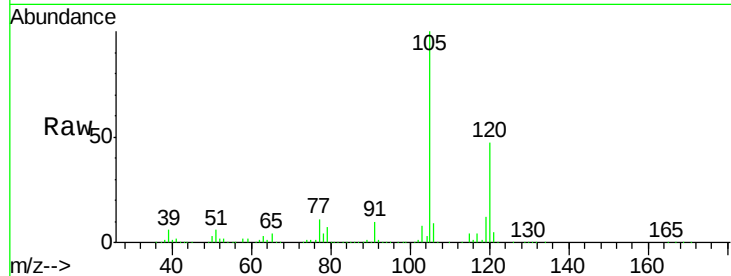
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion:105 Resp: 2076346
Ion Ratio Lower Upper
105 100
120 47.4 22.6 67.8

Manual Integrations
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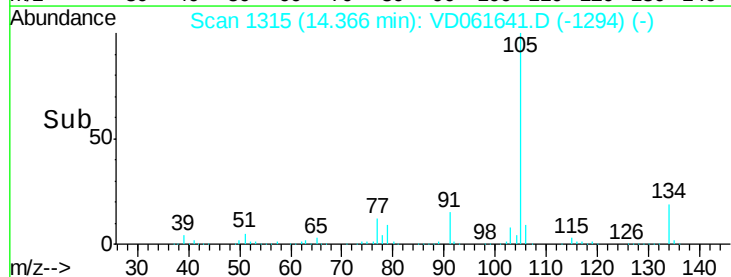
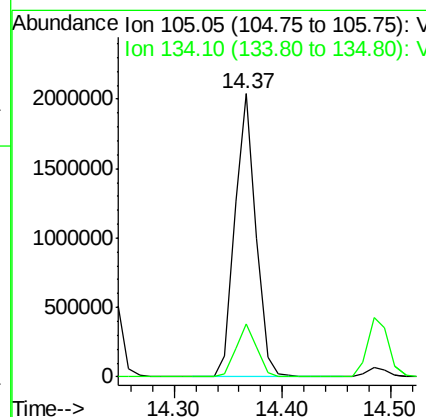
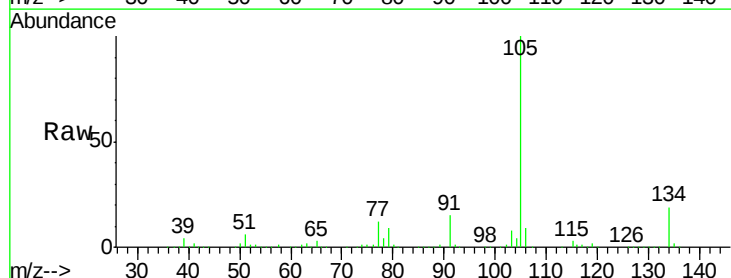
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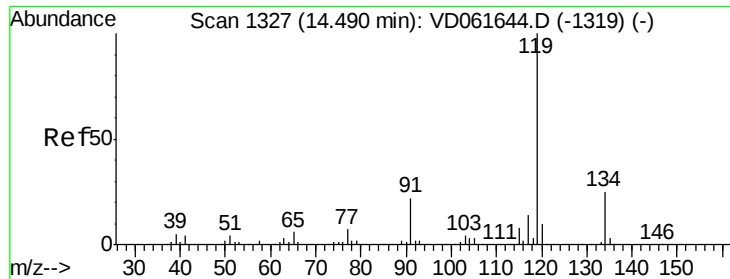
4/11/2019 2:57:29 AM



#85
sec-Butylbenzene
Concen: 93.830 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:105 Resp: 2736970
Ion Ratio Lower Upper
105 100
134 18.8 8.6 25.7





#86
p-Isopropyltoluene
Concen: 87.767 ug/l
RT: 14.48 min Scan# 1327
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

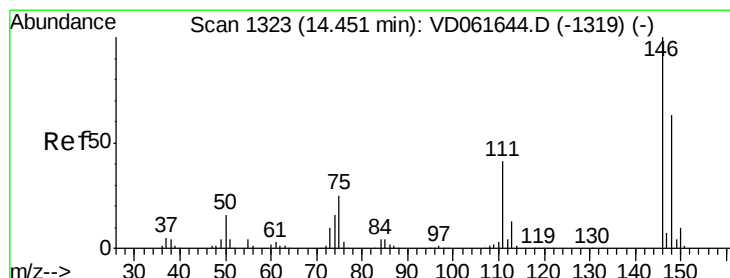
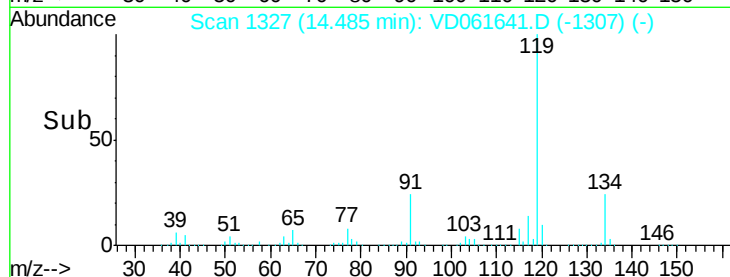
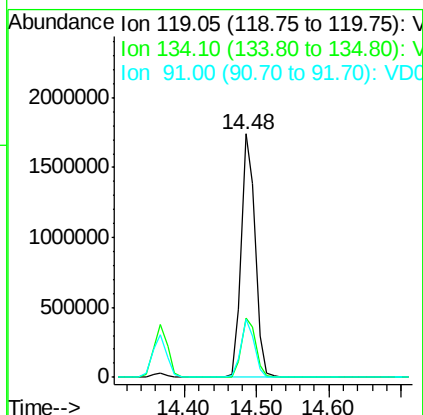
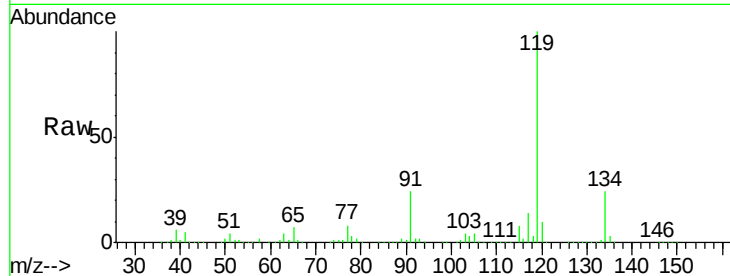
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 2361829
Ion Ratio Lower Upper
119 100
134 24.4 12.5 37.5
91 24.0 11.0 33.0

Manual Integrations
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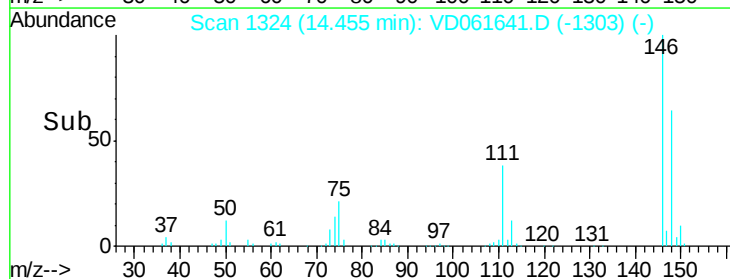
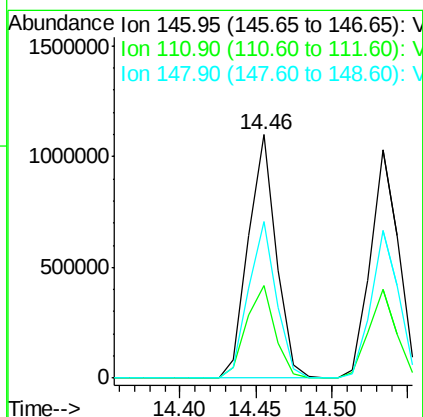
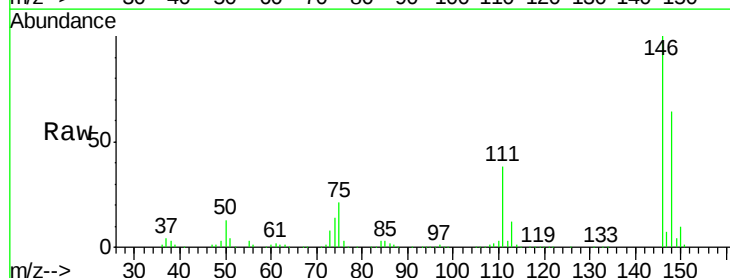
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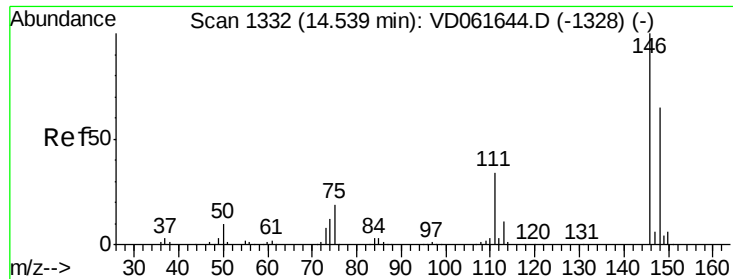
4/11/2019 2:57:29 AM



#87
1,3-Dichlorobenzene
Concen: 97.255 ug/l
RT: 14.46 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:146 Resp: 1411393
Ion Ratio Lower Upper
146 100
111 38.0 20.3 61.0
148 64.2 31.7 95.1





#88
 1,4-Dichlorobenzene
 Concen: 92.861 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

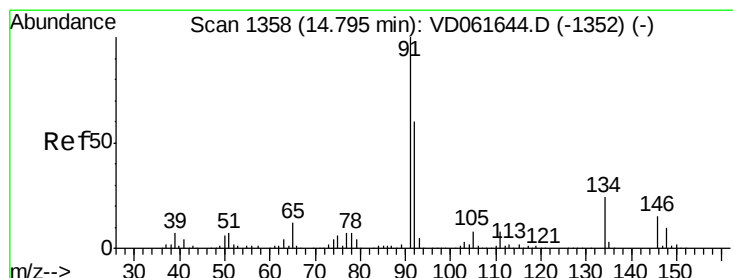
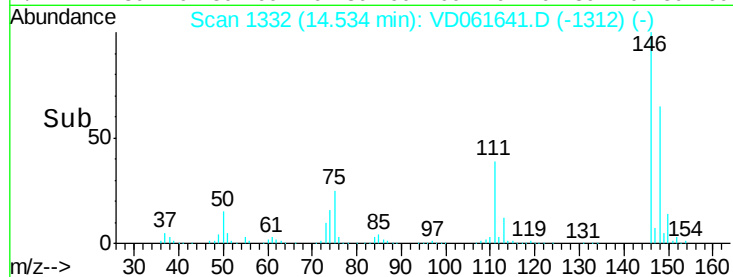
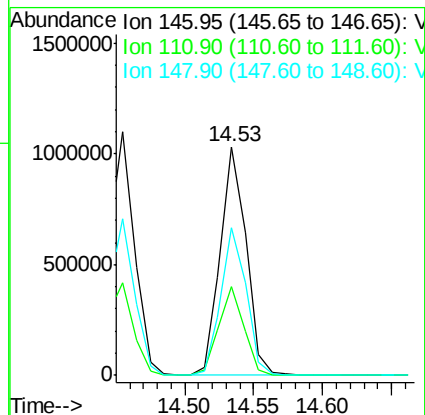
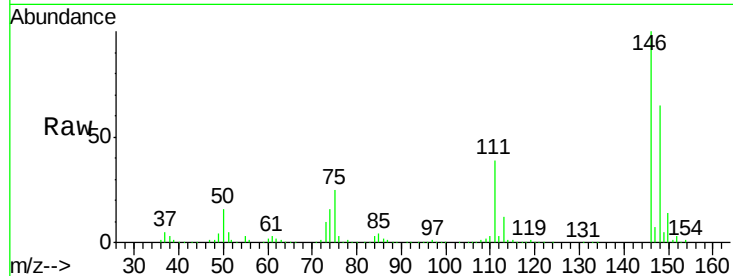
Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC100

Tot Ion:146 Resp: 1334842
 Ion Ratio Lower Upper
 146 100
 111 38.5 17.1 51.2
 148 64.5 32.6 97.7

Manual Integrations
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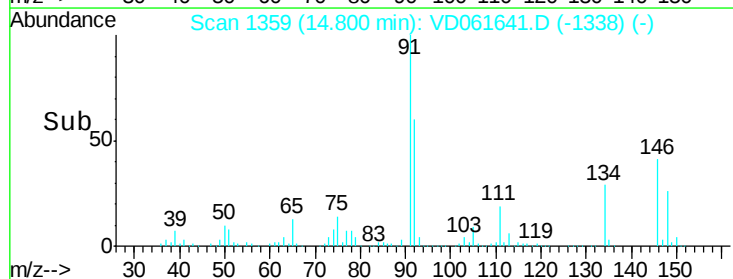
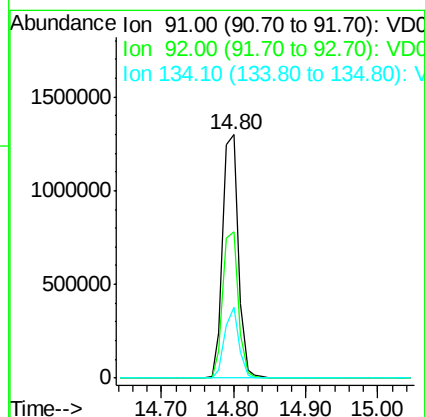
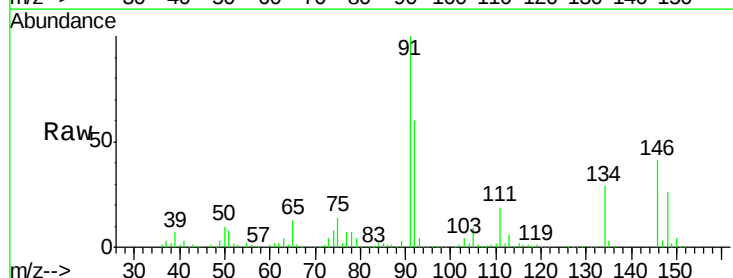
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 4/11/2019 2:57:29 AM

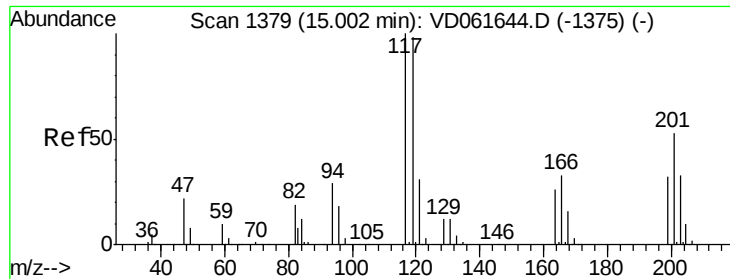
4/11/2019 2:57:29 AM



#89
 n-Butylbenzene
 Concen: 83.529 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion: 91 Resp: 1929727
 Ion Ratio Lower Upper
 91 100
 92 60.1 29.8 89.4
 134 29.1 12.2 36.4





#90
Hexachloroethane
Concen: 96.388 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

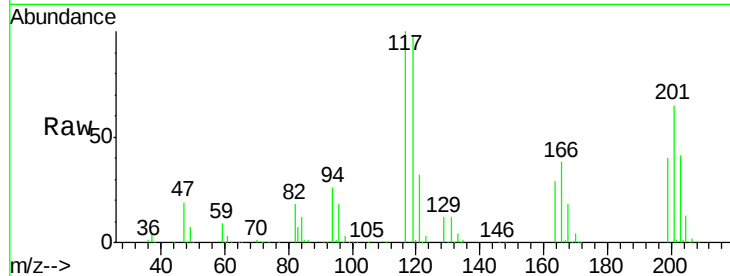
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 669534
Ion Ratio Lower Upper
117 100
201 64.6 26.3 78.8

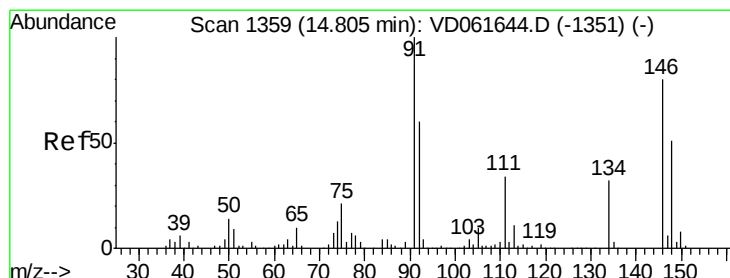
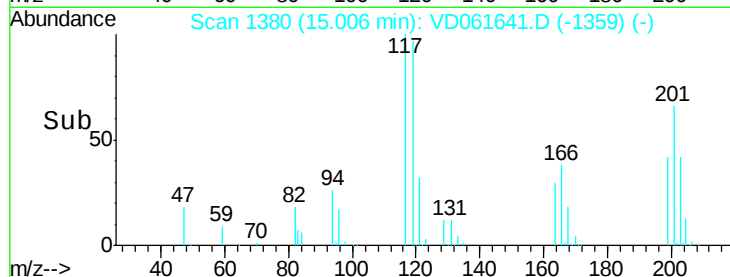
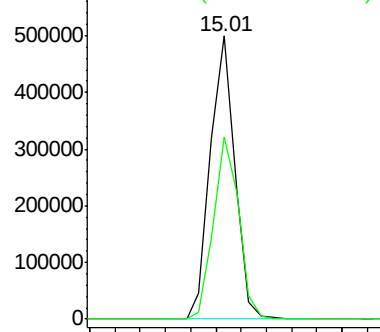
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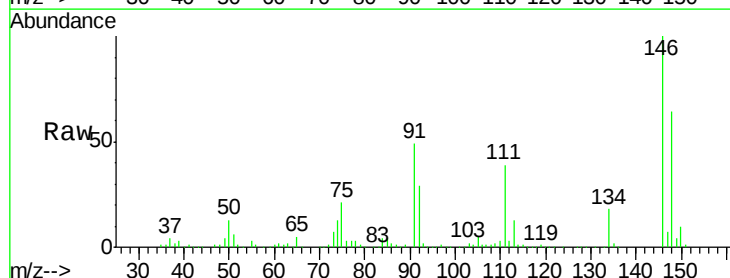


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

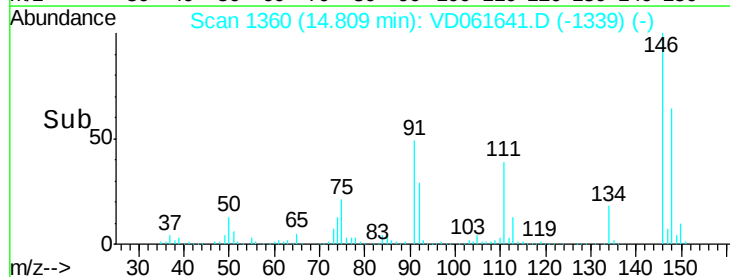
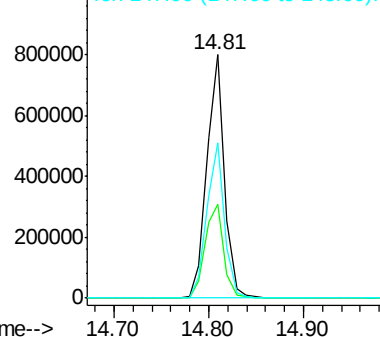


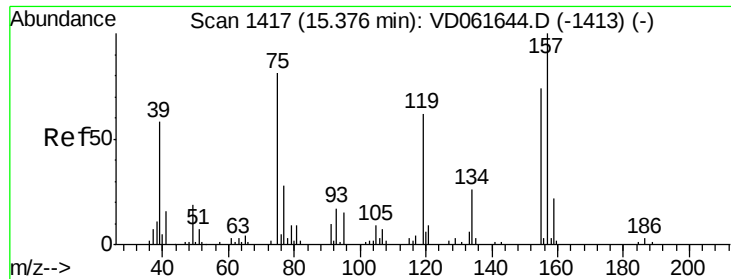
#91
1,2-Dichlorobenzene
Concen: 86.345 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:146 Resp: 1027560
Ion Ratio Lower Upper
146 100
111 38.7 21.1 63.3
148 63.7 31.7 95.1



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 113.716 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

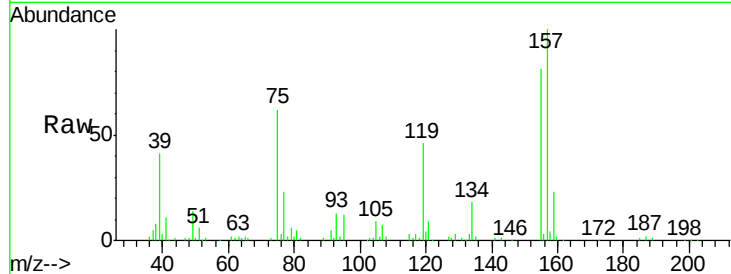
Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
155	129.8	45.6	136.7
157	161.2	61.4	184.2

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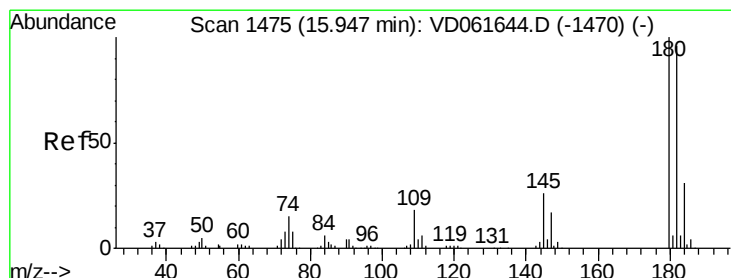
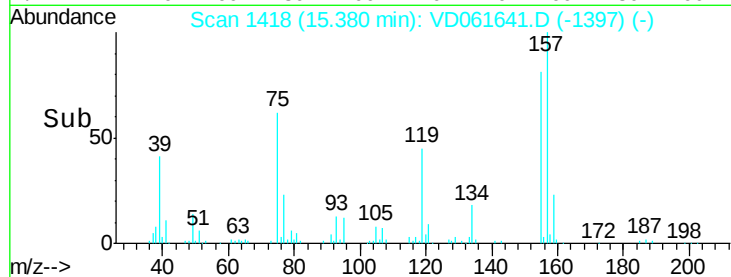
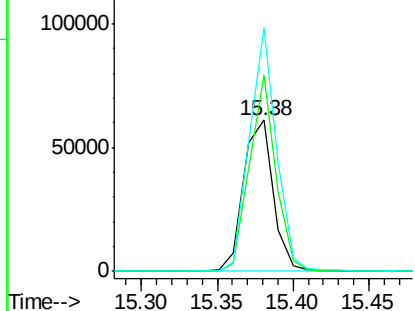
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Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



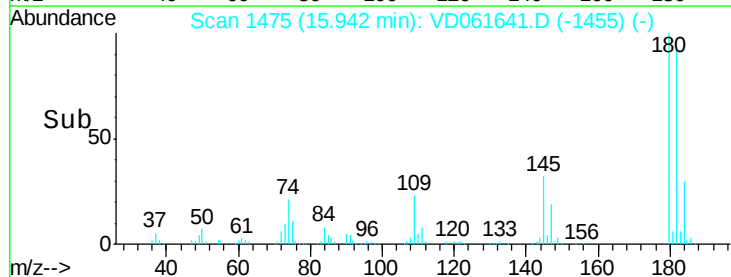
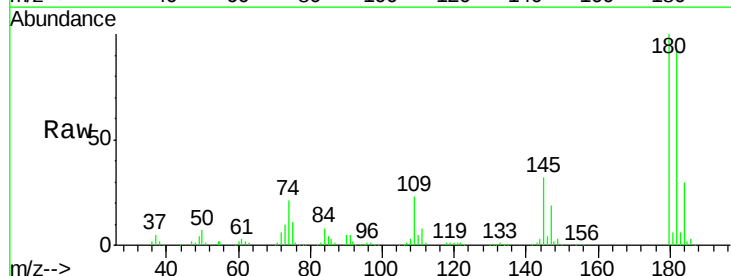
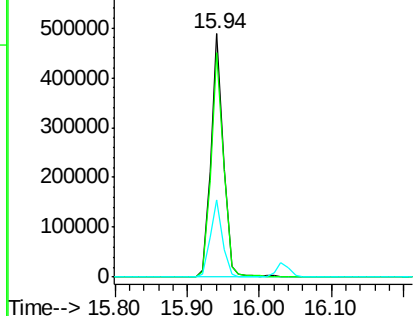
#93
 1,2,4-Trichlorobenzene
 Concen: 96.080 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

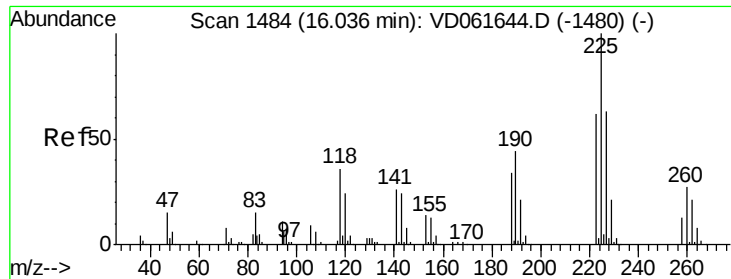
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.8	143.3
145	31.8	13.3	39.8

Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#94
Hexachlorobutadiene
Concen: 97.027 ug/l
RT: 16.04 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

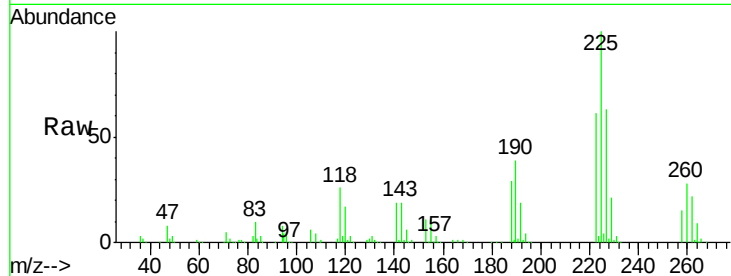
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.8	92.3
227	62.8	31.5	94.5

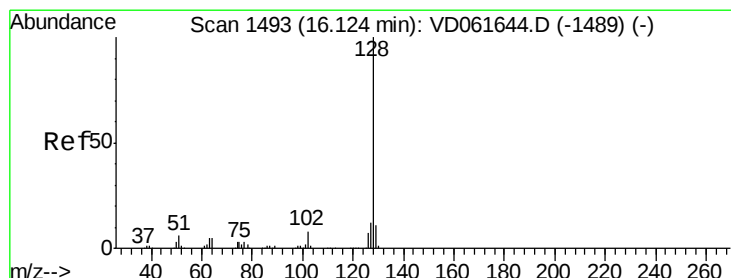
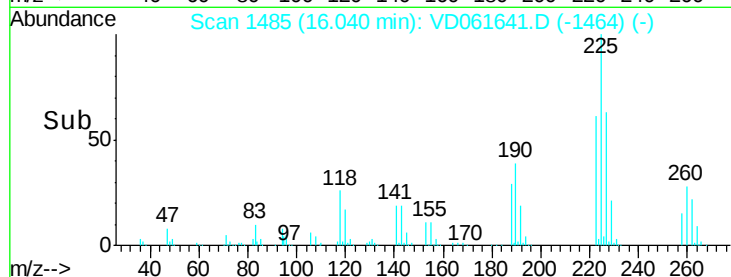
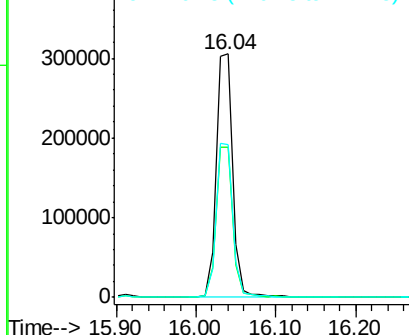
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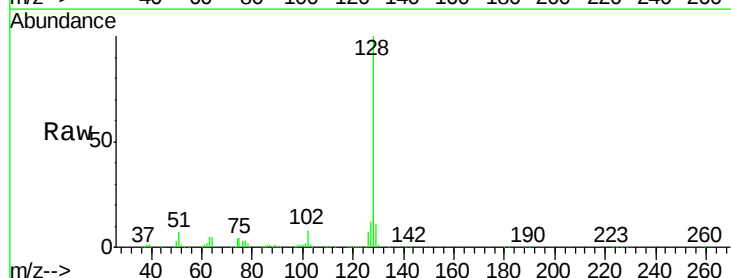


Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V

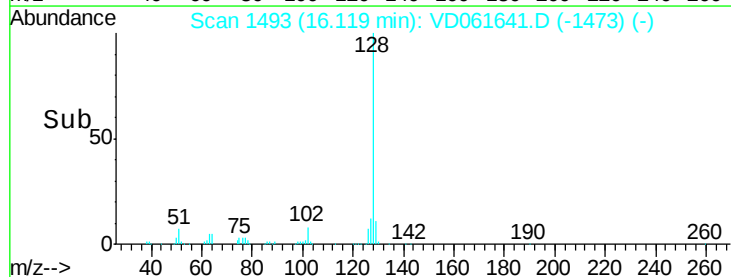
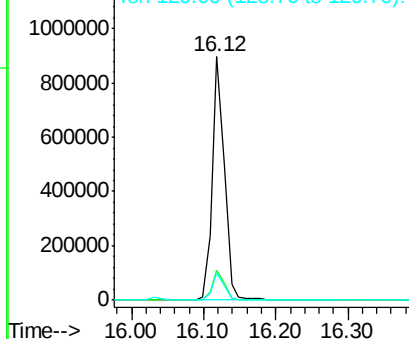


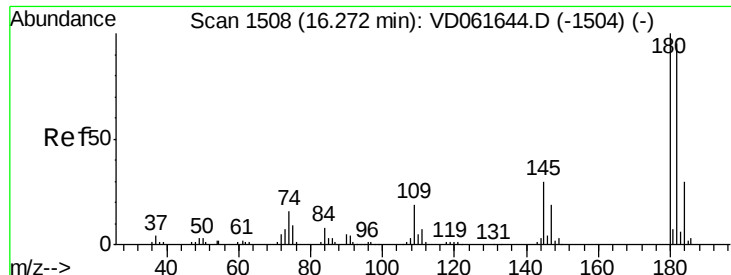
#95
Naphthalene
Concen: 108.830 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.4	14.2
129	11.1	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 98.108 ug/l
 RT: 16.27 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	292460
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.3	142.0
145	31.4	15.1	45.3

Manual Integrations
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