

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061801.D
 Acq On : 15 Apr 2019 15:04
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:13:02 PM

Quant Time: Apr 16 08:49:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	654258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	1129825	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.39	117	904575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	377498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.50	65	553722	100.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.84%	
35) Dibromofluoromethane	6.97	113	789707	92.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.04%	
50) Toluene-d8	10.45	98	1895320	93.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.42%	
62) 4-Bromofluorobenzene	13.57	95	731177	89.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	673802	104.957	ug/l	97
3) Chloromethane	1.77	50	501448	98.019	ug/l	97
4) Vinyl Chloride	1.87	62	526038	103.593	ug/l	99
5) Bromomethane	2.17	94	107284	82.452	ug/l	97
6) Chloroethane	2.27	64	155565	89.796	ug/l	95
7) Trichlorofluoromethane	2.55	101	762065	92.724	ug/l	98
8) Diethyl Ether	2.90	74	225165	104.324	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.18	101	754697	102.849	ug/l	98
10) Methyl Iodide	3.34	142	1209432	122.225	ug/l	99
11) Tert butyl alcohol	4.11	59	199505	613.825	ug/l	99
12) 1,1-Dichloroethene	3.16	96	653442	105.865	ug/l	94
13) Acrolein	3.06	56	173115	549.781	ug/l	95
14) Allyl chloride	3.65	41	859337	102.120	ug/l	98
15) Acrylonitrile	4.24	53	544681	533.798	ug/l	97
16) Acetone	3.25	43	749553	551.722	ug/l	99
17) Carbon Disulfide	3.41	76	2074121	103.972	ug/l	99
18) Methyl Acetate	3.67	43	268301	98.478	ug/l	96
19) Methyl tert-butyl Ether	4.28	73	1195375	104.025	ug/l	97
20) Methylene Chloride	3.85	84	639584	78.016	ug/l	96
21) trans-1,2-Dichloroethene	4.26	96	666224	98.278	ug/l	97
22) Diisopropyl ether	5.17	45	1764990	98.290	ug/l	95
23) Vinyl Acetate	5.11	43	5120472	534.251	ug/l	100
24) 1,1-Dichloroethane	5.03	63	1105980	101.476	ug/l	98
25) 2-Butanone	6.12	43	824827	533.205	ug/l	97
26) 2,2-Dichloropropane	6.07	77	905817	96.055	ug/l	99
27) cis-1,2-Dichloroethene	6.08	96	708198	96.257	ug/l	99
28) Bromochloromethane	6.49	49	409385	98.789	ug/l	99
29) Tetrahydrofuran	6.51	42	415933	551.952	ug/l	98
30) Chloroform	6.71	83	1246214	102.434	ug/l	99
31) Cyclohexane	7.01	56	801983	96.047	ug/l	99
32) 1,1,1-Trichloroethane	6.92	97	1077285	99.894	ug/l	98
36) 1,1-Dichloropropene	7.20	75	901842	97.662	ug/l	99
37) Ethyl Acetate	6.23	43	420763	106.484	ug/l #	94
38) Carbon Tetrachloride	7.16	117	1092384m	90.884	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.91	83	959460	100.075	ug/l	99
40) Benzene	7.50	78	2089307	94.248	ug/l	99
41) Methacrylonitrile	6.49	41	484927	103.829	ug/l #	94
42) 1,2-Dichloroethane	7.62	62	778846	100.892	ug/l	100
43) Isopropyl Acetate	9.27	43	608193	109.375	ug/l #	98
44) Trichloroethene	8.58	130	807738	94.663	ug/l	96
45) 1,2-Dichloropropane	8.98	63	583546	101.073	ug/l	98
46) Dibromomethane	9.11	93	421504	102.460	ug/l	93
47) Bromodichloromethane	9.41	83	945847	99.660	ug/l	98
48) Methyl methacrylate	9.15	41	335166	102.541	ug/l	97
49) 1,4-Dioxane	9.13	88	76323	2136.335	ug/l	99
51) 4-Methyl-2-Pentanone	10.35	43	1792277	527.061	ug/l	100
52) Toluene	10.54	92	1371249	96.539	ug/l	96
53) t-1,3-Dichloropropene	10.95	75	850461	99.448	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	938947	93.536	ug/l	99
55) 1,1,2-Trichloroethane	11.23	97	485631	101.464	ug/l	95
56) Ethyl methacrylate	11.07	69	558490	106.316	ug/l	99
57) 1,3-Dichloropropane	11.44	76	747401	103.869	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.90	63	1140969	456.643	ug/l	95
59) 2-Hexanone	11.57	43	1316624	521.303	ug/l	97
60) Dibromochloromethane	11.72	129	784184	100.132	ug/l	98
61) 1,2-Dibromoethane	11.84	107	595811	101.238	ug/l	99
64) Tetrachloroethene	11.29	164	638636	94.139	ug/l	97
65) Chlorobenzene	12.42	112	1538462	91.324	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.54	131	652266	92.393	ug/l	97
67) Ethyl Benzene	12.55	91	2326506	86.236	ug/l	100
68) m/p-Xylenes	12.70	106	1723012	170.026	ug/l	97
69) o-Xylene	13.07	106	901320	94.627	ug/l	98
70) Styrene	13.09	104	1475319	90.007	ug/l	97
71) Bromoform	13.26	173	474143	113.147	ug/l	99
73) Isopropylbenzene	13.43	105	2449973	100.072	ug/l	96
74) N-amyl acetate	13.29	43	769372	116.867	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	551482	113.960	ug/l	100
76) 1,2,3-Trichloropropane	13.75	75	511895	103.256	ug/l	99
77) Bromobenzene	13.69	156	706056	101.526	ug/l	92
78) n-propylbenzene	13.79	91	2569572	90.844	ug/l	99
79) 2-Chlorotoluene	13.86	91	1754447	106.808	ug/l	99
80) 1,3,5-Trimethylbenzene	13.96	105	1800793	92.702	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.50	75	164342	116.369	ug/l	98
82) 4-Chlorotoluene	13.97	91	1743616	92.191	ug/l	96
83) tert-Butylbenzene	14.21	119	2247595	98.539	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	1783580	91.342	ug/l	99
85) sec-Butylbenzene	14.39	105	2380948	100.976	ug/l	95
86) p-Isopropyltoluene	14.51	119	2121762	96.173	ug/l	98
87) 1,3-Dichlorobenzene	14.48	146	1234509	101.683	ug/l	96
88) 1,4-Dichlorobenzene	14.56	146	1131760	94.303	ug/l	96
89) n-Butylbenzene	14.82	91	1622957	83.106	ug/l	97
90) Hexachloroethane	15.02	117	590450	98.192	ug/l	88
91) 1,2-Dichlorobenzene	14.82	146	891340	87.647	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.40	75	90071	134.417	ug/l	85

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ClientSampleId :
VSTDICC100

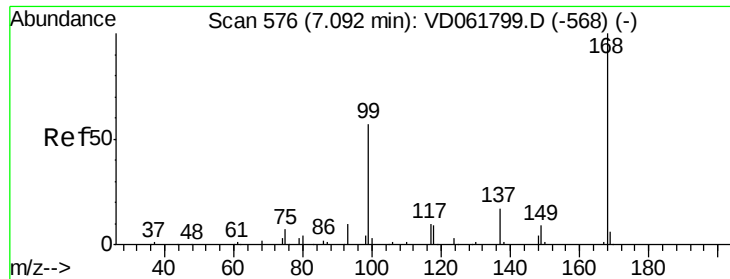
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.97	180	576576	103.227	ug/l	97
94) Hexachlorobutadiene	16.06	225	392861	97.057	ug/l	99
95) Naphthalene	16.14	128	887630	103.682	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	292606	91.928	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 575

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 654258

Ion Ratio Lower Upper

168 100

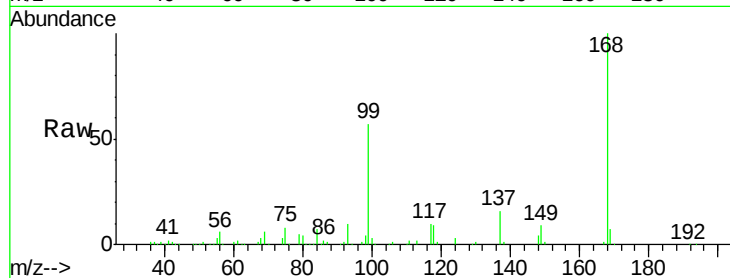
99 56.7 46.5 69.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.09

250000

200000

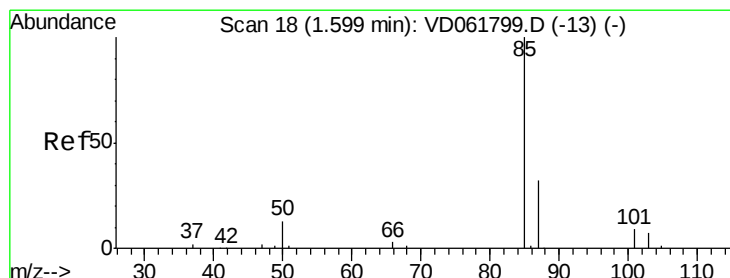
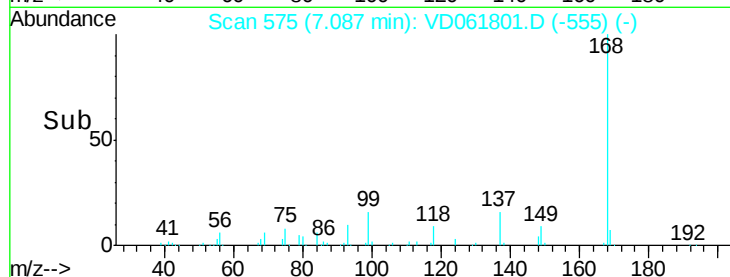
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 104.957 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061801.D

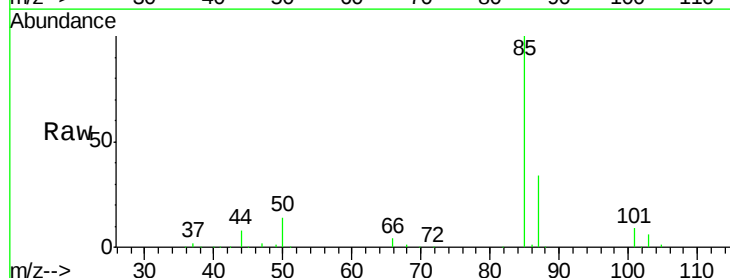
Acq: 15 Apr 2019 15:04

Tgt Ion: 85 Resp: 673802

Ion Ratio Lower Upper

85 100

87 33.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

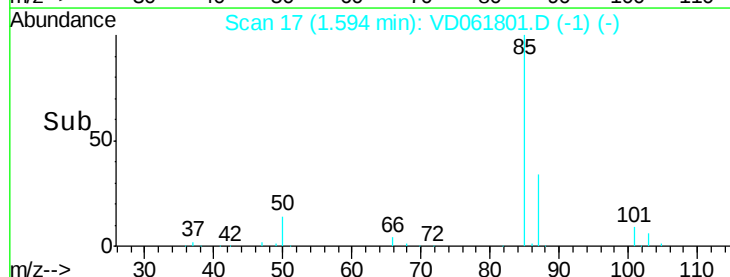
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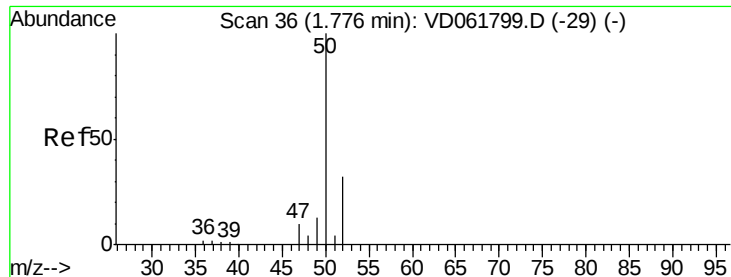
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100000

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Time-->





#3

Chloromethane

Concen: 98.019 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 501448

Ion Ratio Lower Upper

50 100

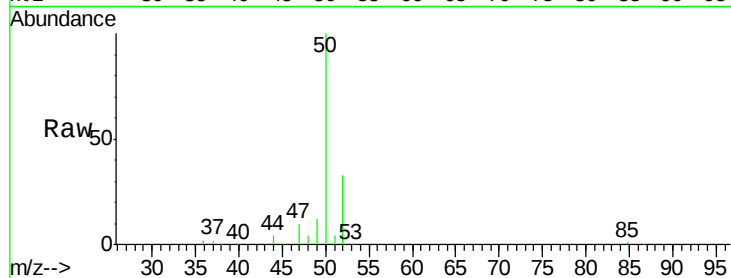
52 33.2 25.2 37.8

Manual Integrations

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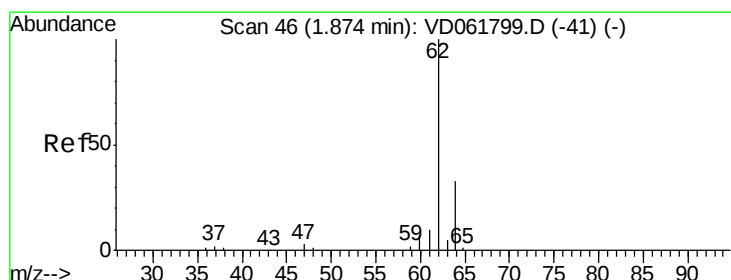
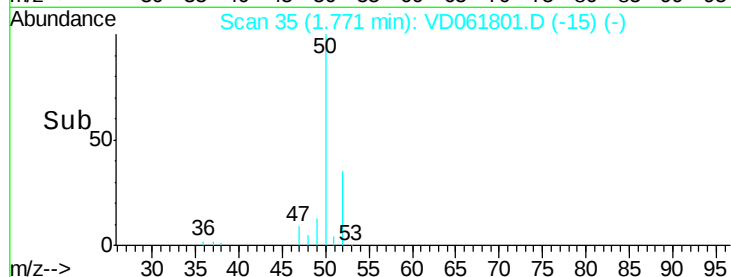
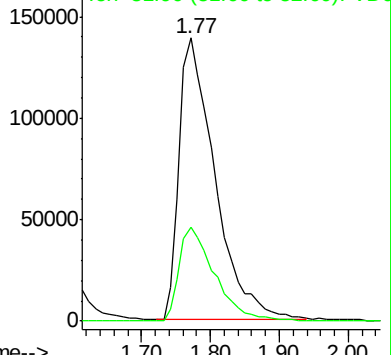
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 103.593 ug/l

RT: 1.87 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061801.D

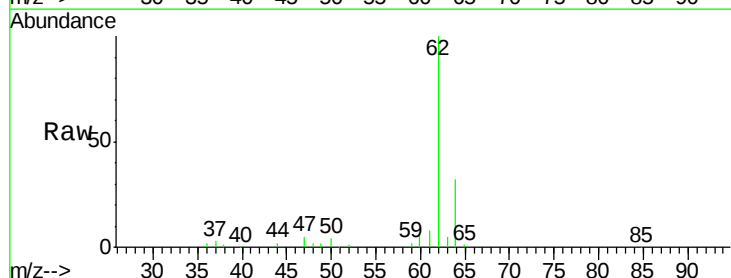
Acq: 15 Apr 2019 15:04

Tgt Ion: 62 Resp: 526038

Ion Ratio Lower Upper

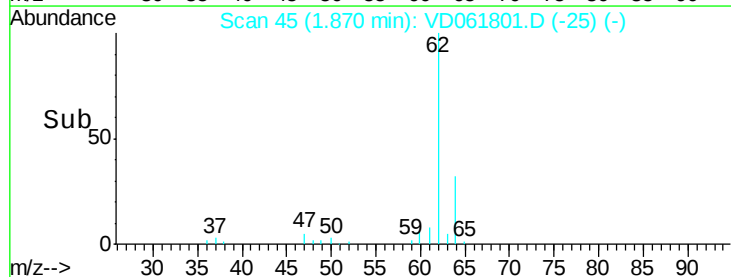
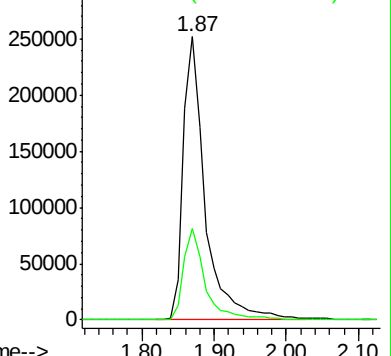
62 100

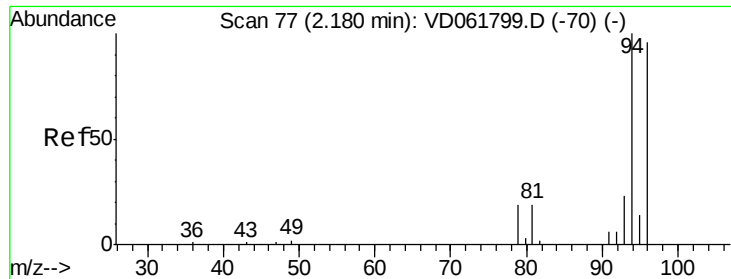
64 32.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 82.452 ug/l

RT: 2.17 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

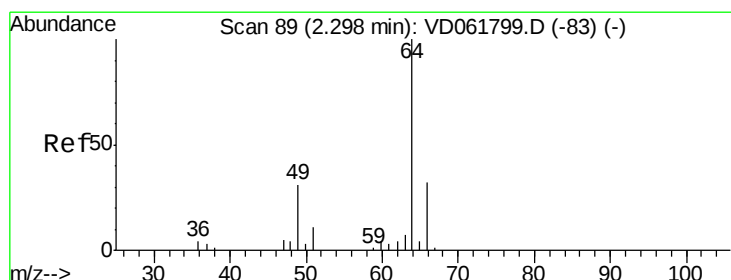
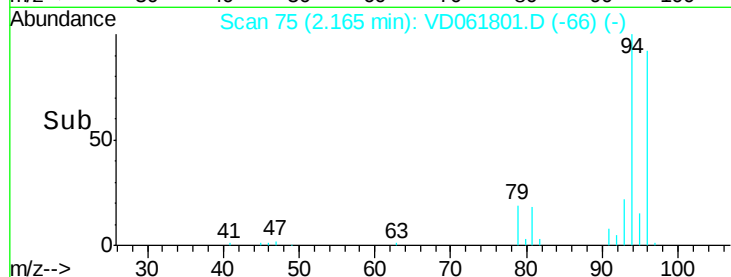
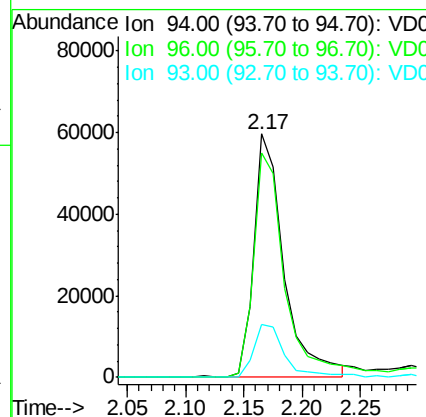
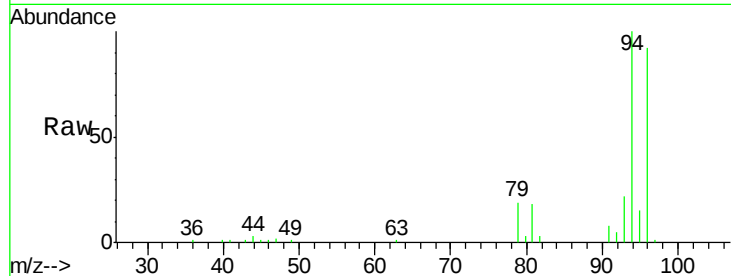
ClientSampleId :

VSTDIC100

Tot Ion:	94	Resp:	107284
Ion	Ratio	Lower	Upper
94	100		
96	92.2	76.6	115.0
93	22.0	18.5	27.7

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#6

Chloroethane

Concen: 89.796 ug/l

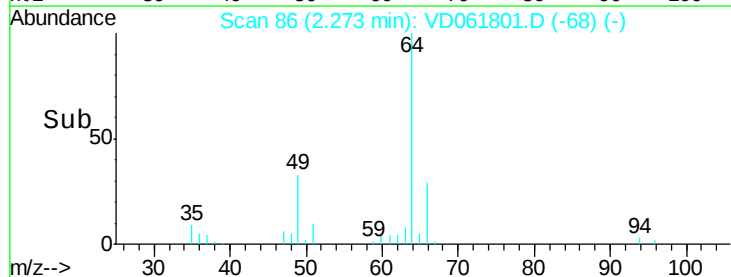
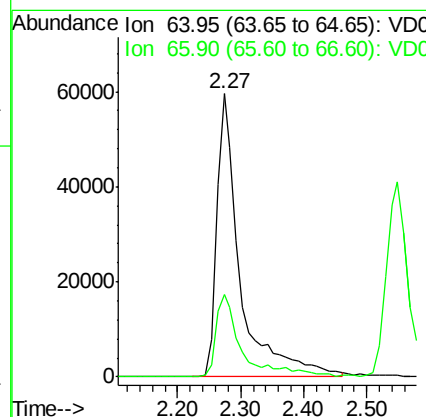
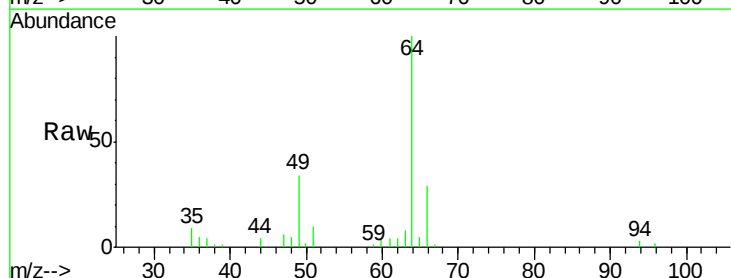
RT: 2.27 min Scan# 86

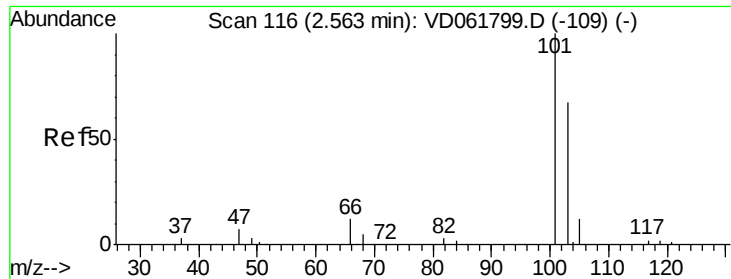
Delta R.T. -0.02 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	64	Resp:	155565
Ion	Ratio	Lower	Upper
64	100		
66	29.3	25.6	38.4





#7

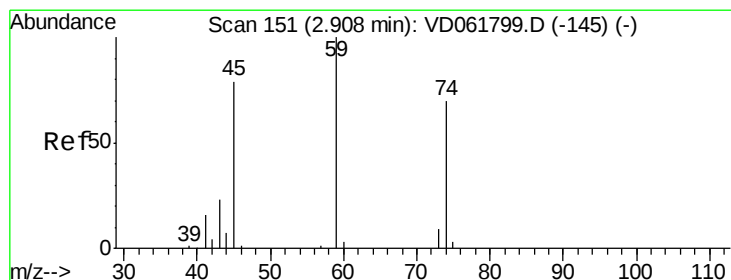
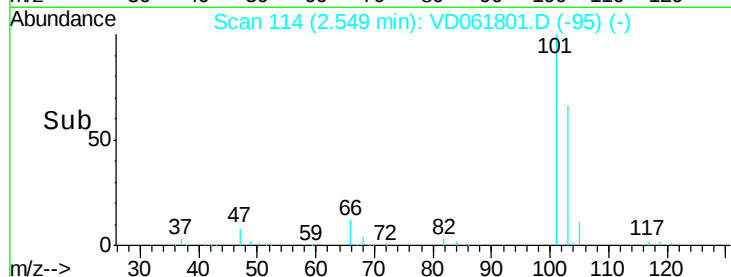
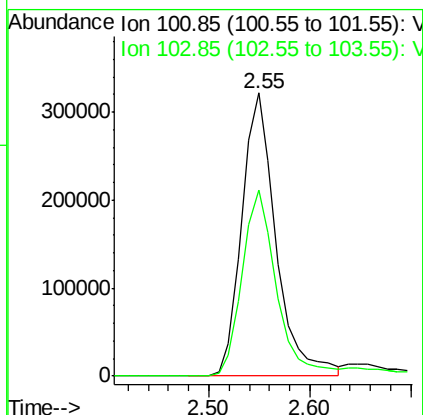
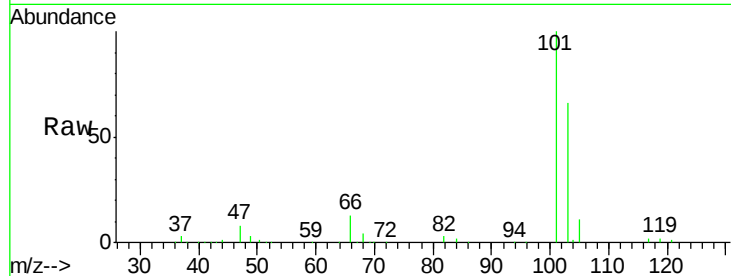
Trichlorofluoromethane
Concen: 92.724 ug/l
RT: 2.55 min Scan# 114
Delta R.T. -0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

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VSTDIC100

Tot Ion:101 Resp: 762065
Ion Ratio Lower Upper
101 100
103 65.7 53.6 80.4

Manual Integrations
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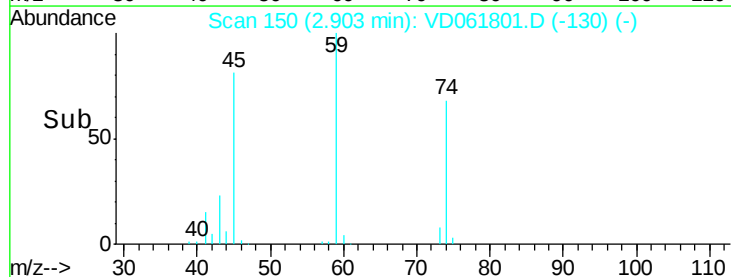
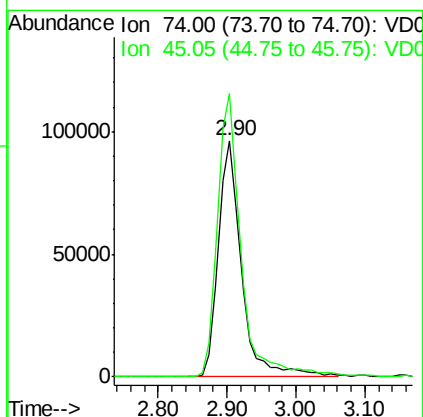
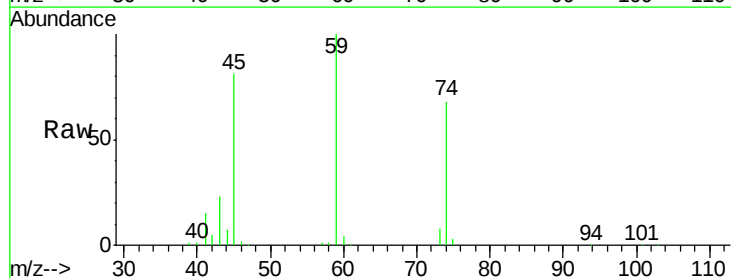
MMDadoda
4/16/2019 3:13:02 PM

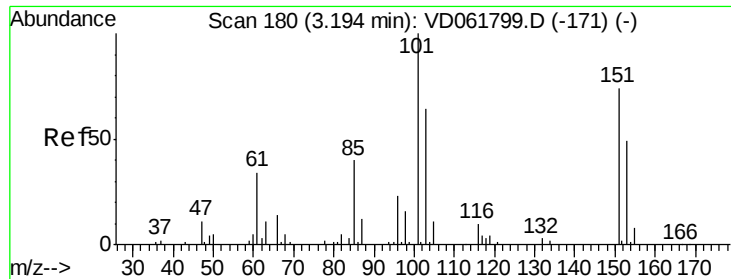


#8

Diethyl Ether
Concen: 104.324 ug/l
RT: 2.90 min Scan# 150
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 74 Resp: 225165
Ion Ratio Lower Upper
74 100
45 119.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.849 ug/l

RT: 3.18 min Scan# 178

Delta R.T. -0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

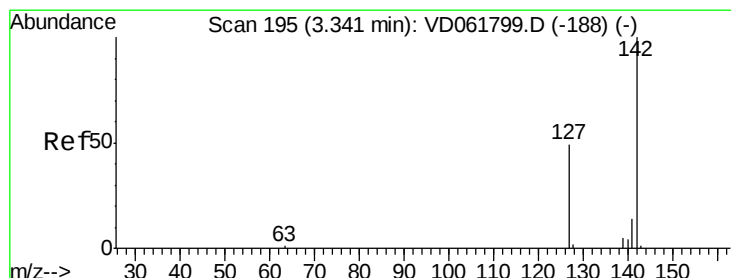
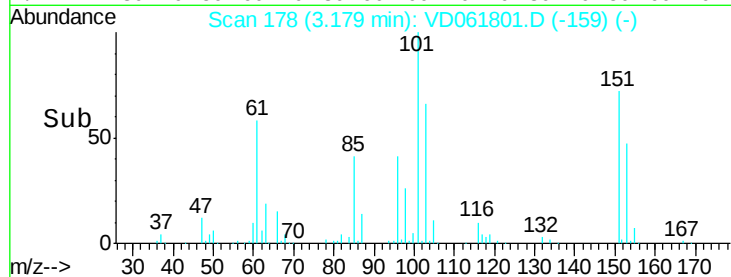
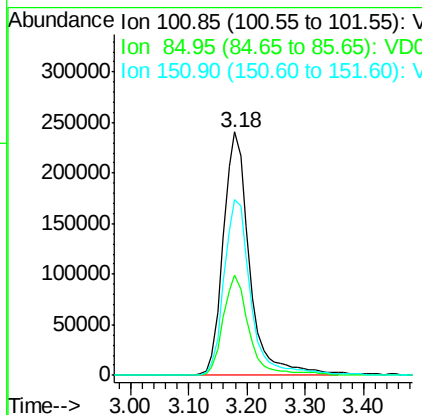
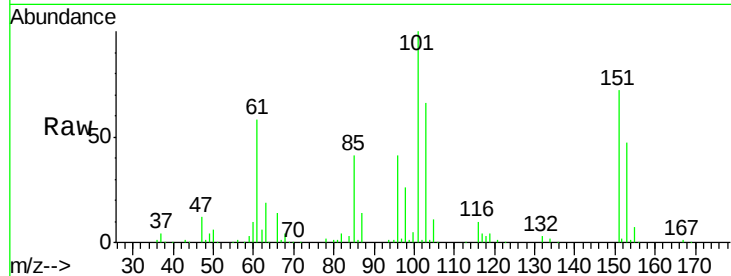
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	754697
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.4	48.6
151	72.3	59.4	89.0

Manual Integrations
APPROVED

MMDadoda
4/16/2019 3:13:02 PM



#10

Methyl Iodide

Concen: 122.225 ug/l

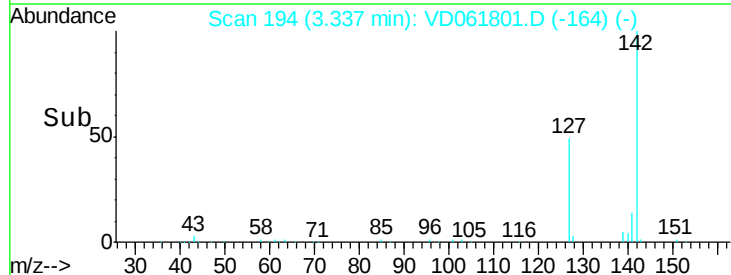
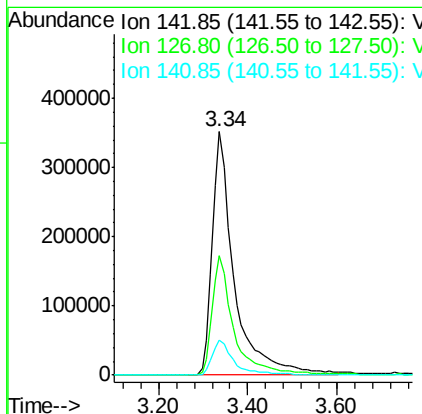
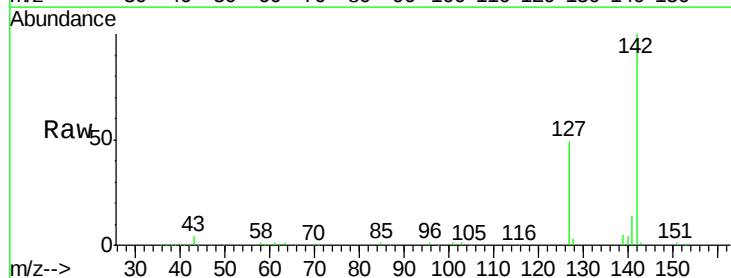
RT: 3.34 min Scan# 194

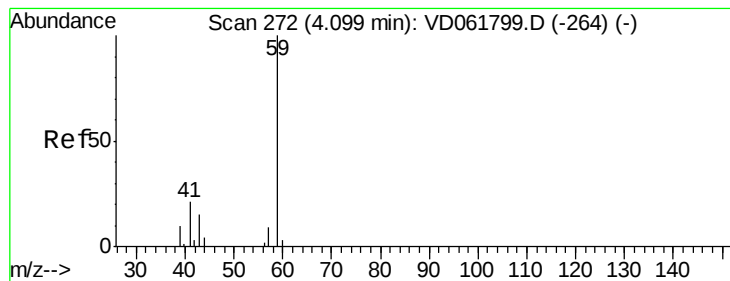
Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	142	Resp:	1209432
Ion Ratio	Lower	Upper	
142	100		
127	48.9	38.8	58.2
141	14.4	11.4	17.0





#11

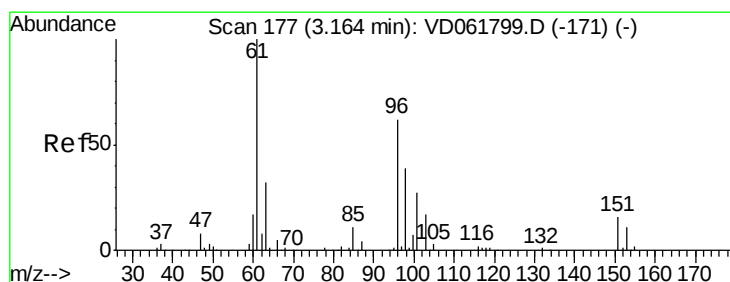
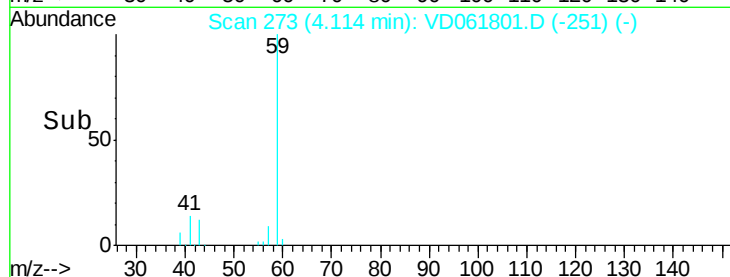
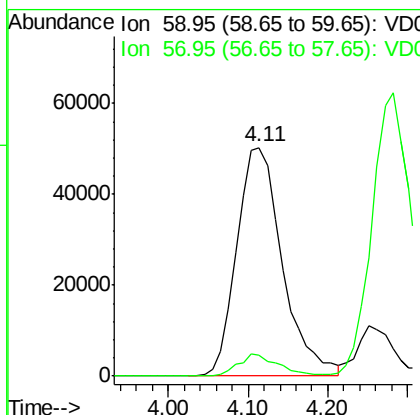
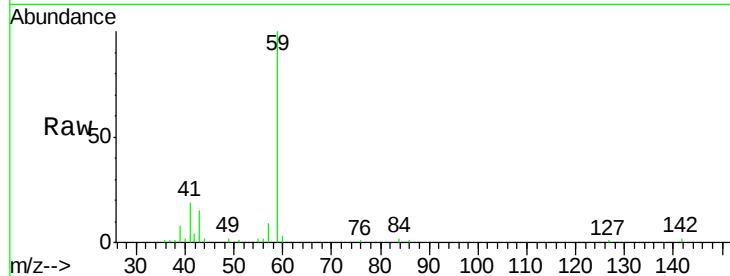
Tert butyl alcohol
Concen: 613.825 ug/l
RT: 4.11 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	199505		
57	8.9		6.9	10.3

Manual Integrations
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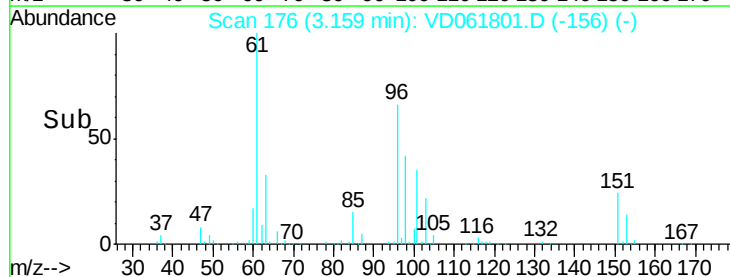
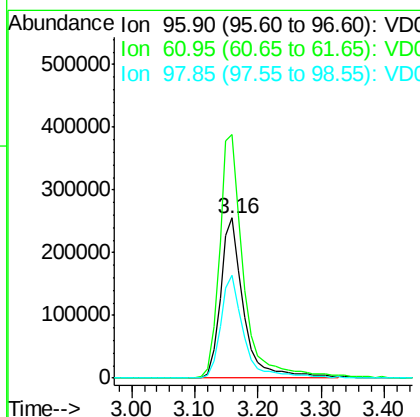
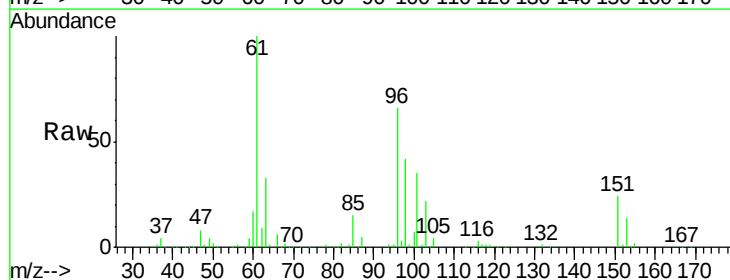
MMDadoda
4/16/2019 3:13:02 PM

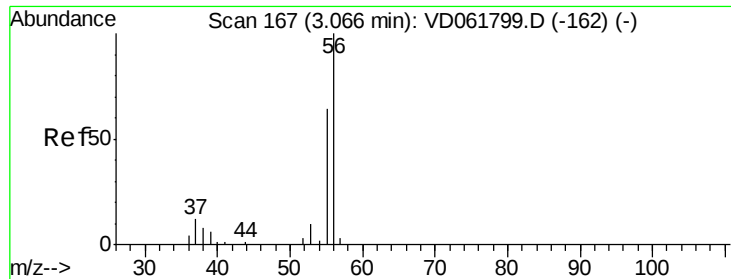


#12

1,1-Dichloroethene
Concen: 105.865 ug/l
RT: 3.16 min Scan# 176
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	653442		
61	151.9		129.8	194.8
98	64.3		51.2	76.8





#13

Acrolein

Concen: 549.781 ug/l

RT: 3.06 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 173115

Ion Ratio Lower Upper

56 100

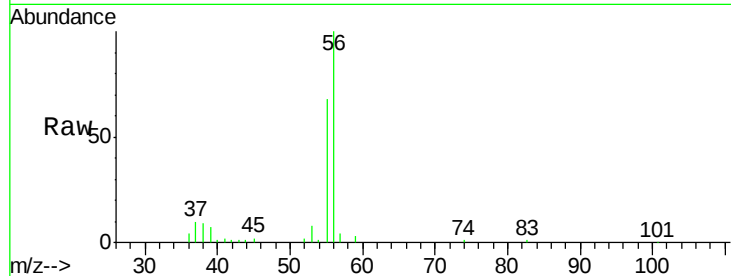
55 68.5 51.4 77.2

Manual Integrations

APPROVED

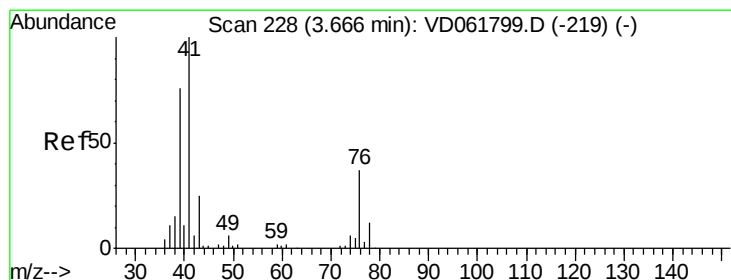
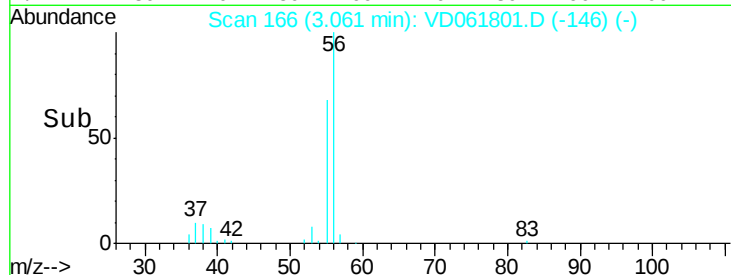
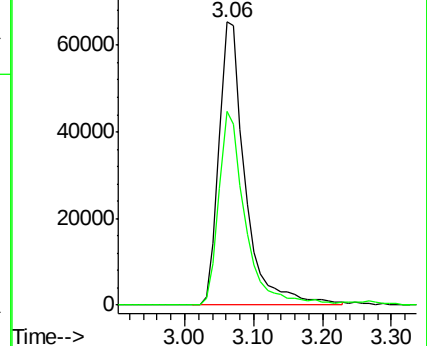
MMDadoda

4/16/2019 3:13:02 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 102.120 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

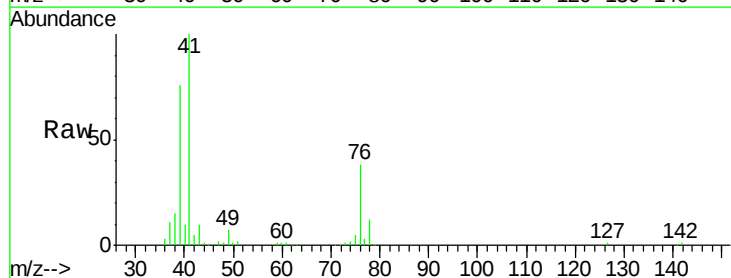
Tgt Ion: 41 Resp: 859337

Ion Ratio Lower Upper

41 100

39 76.0 60.5 90.7

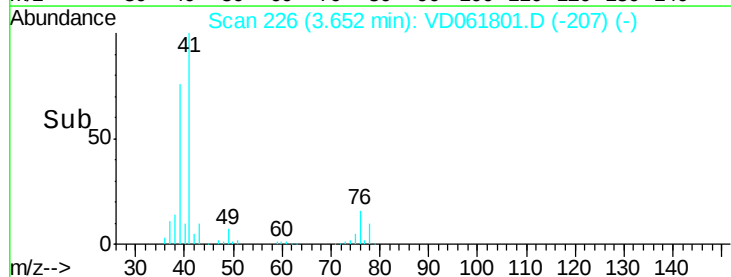
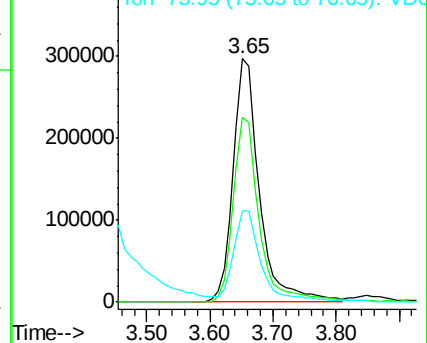
76 37.5 31.8 47.8

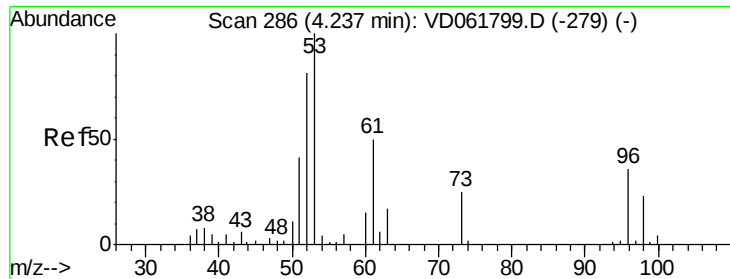


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 533.798 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

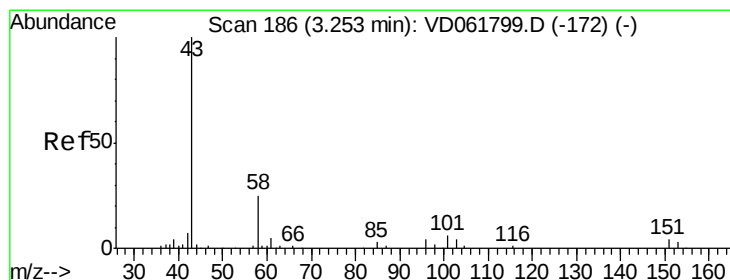
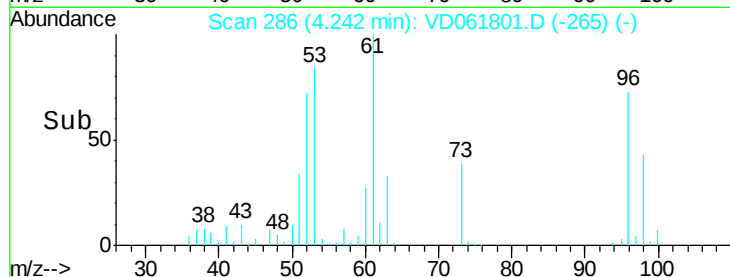
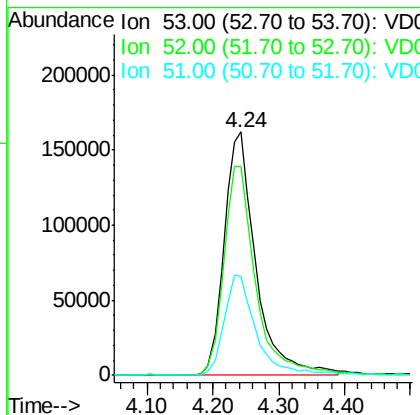
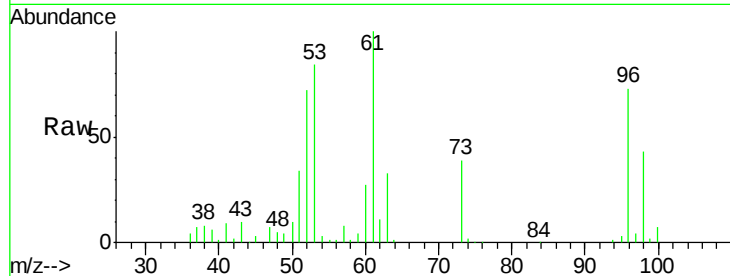
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	544681
Ion	Ratio	Lower	Upper
53	100		
52	85.7	65.0	97.4
51	40.9	32.6	48.8

Manual Integrations
APPROVED

MMDadoda
4/16/2019 3:13:02 PM



#16

Acetone

Concen: 551.722 ug/l

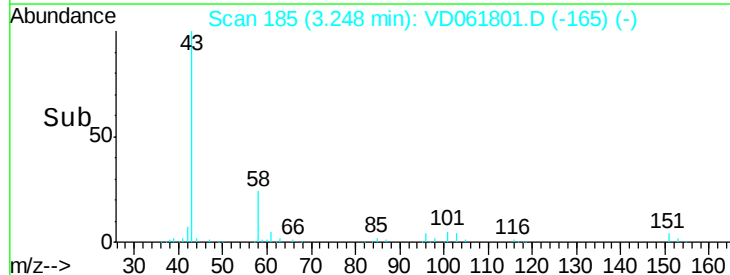
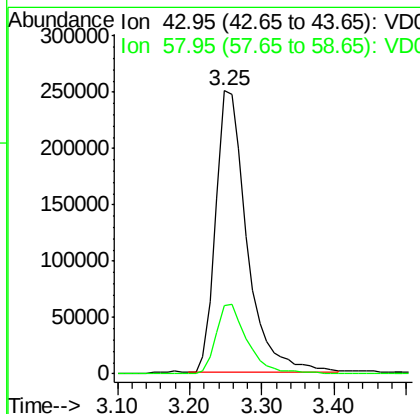
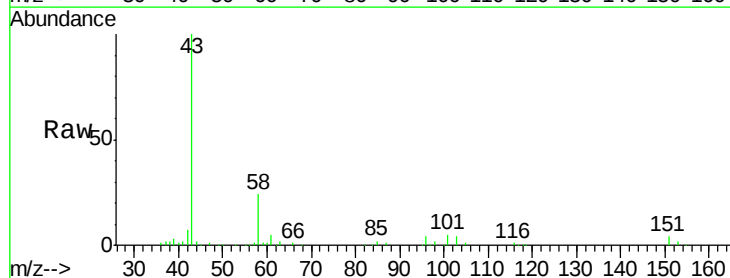
RT: 3.25 min Scan# 185

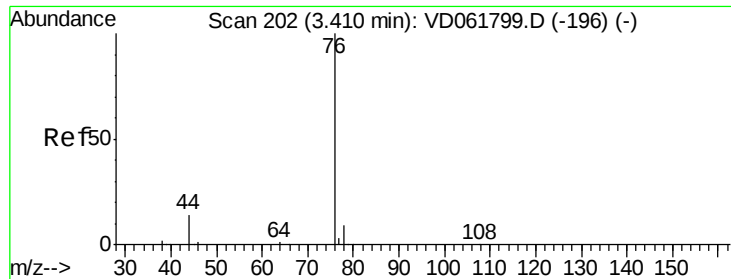
Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	43	Resp:	749553
Ion	Ratio	Lower	Upper
43	100		
58	24.3	19.9	29.9





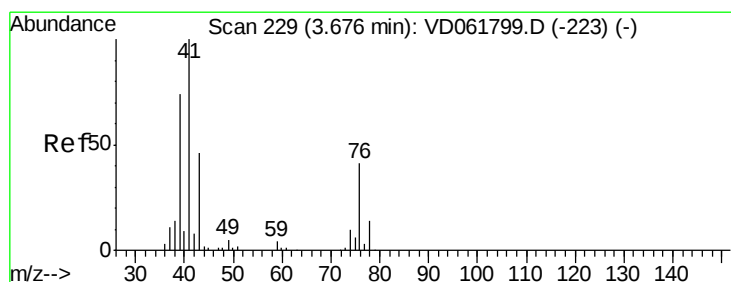
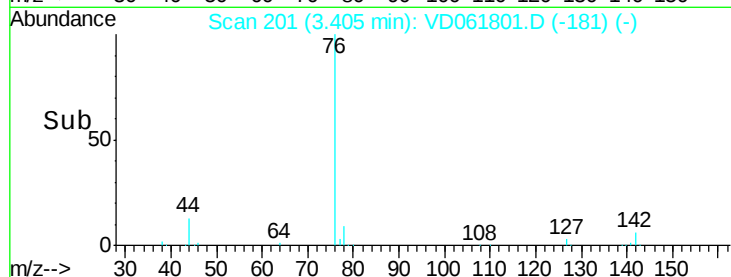
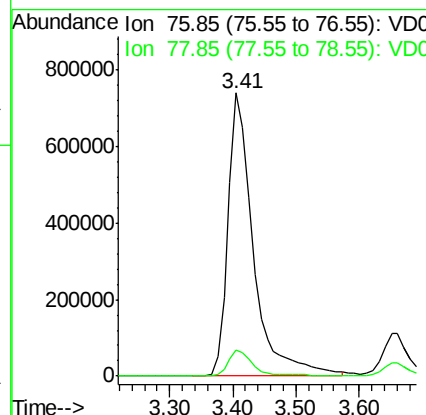
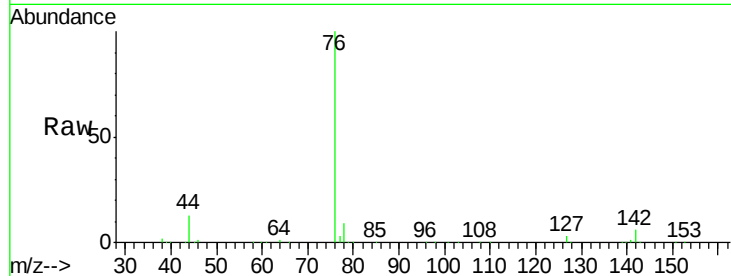
#17
Carbon Disulfide
Concen: 103.972 ug/l
RT: 3.41 min Scan# 201
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 2074121
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

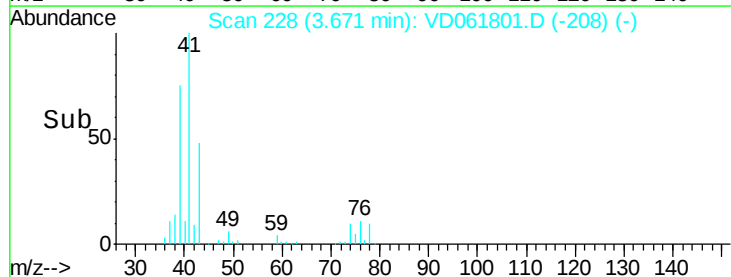
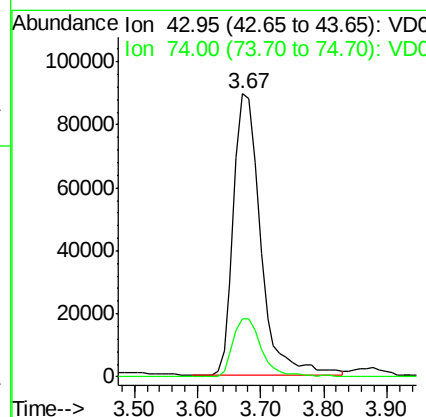
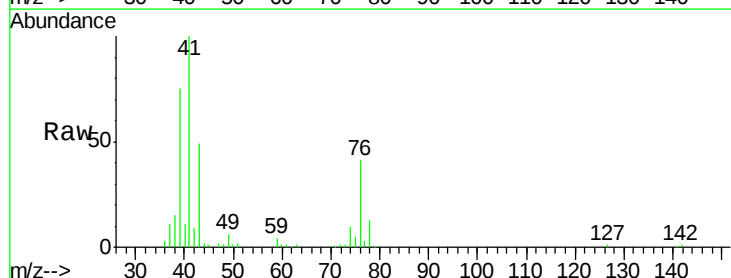
Manual Integrations
APPROVED

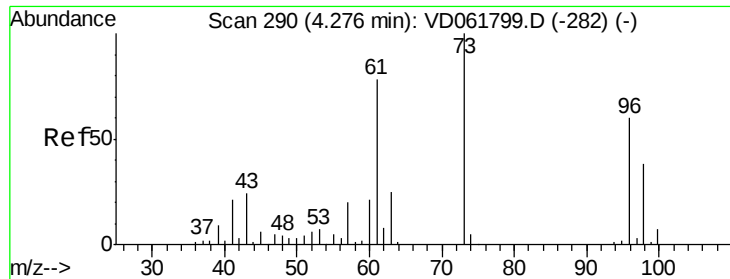
MMDadoda
4/16/2019 3:13:02 PM



#18
Methyl Acetate
Concen: 98.478 ug/l
RT: 3.67 min Scan# 228
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 43 Resp: 268301
Ion Ratio Lower Upper
43 100
74 20.7 18.0 27.0





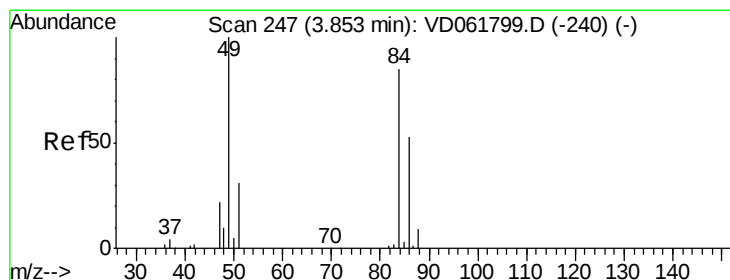
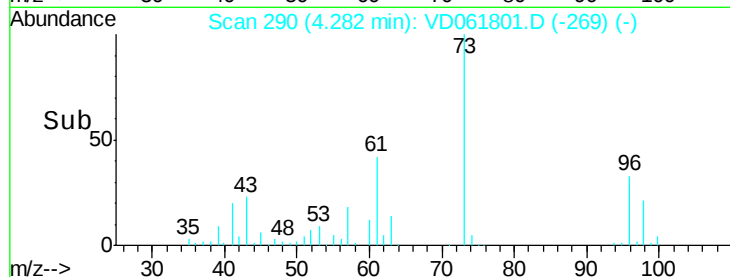
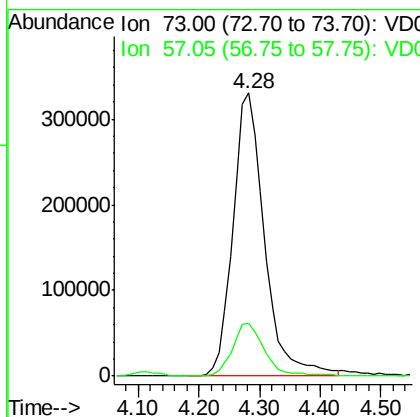
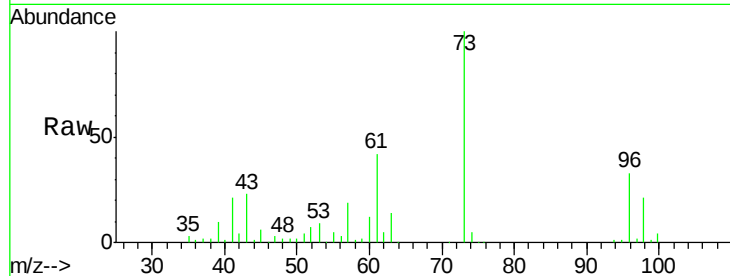
#19
Methyl tert-butyl Ether
Concen: 104.025 ug/l
RT: 4.28 min Scan# 290
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1195375
Ion Ratio Lower Upper
73 100
57 18.9 16.3 24.5

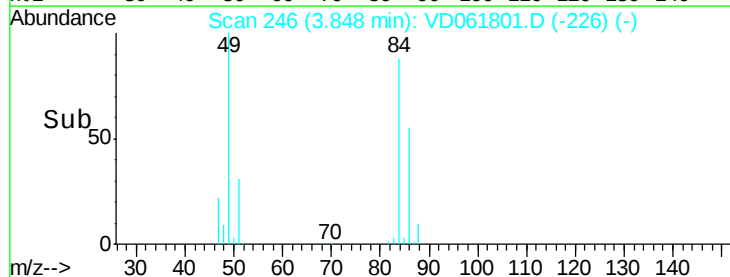
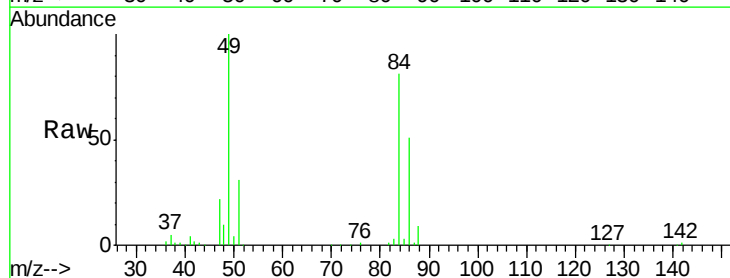
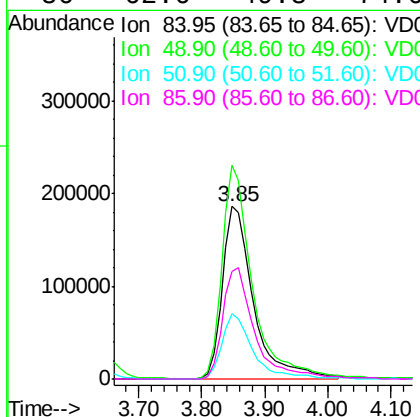
Manual Integrations
APPROVED

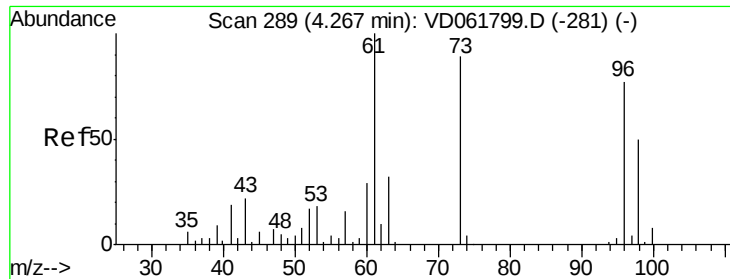
MMDadoda
4/16/2019 3:13:02 PM



#20
Methylene Chloride
Concen: 78.016 ug/l
RT: 3.85 min Scan# 246
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 84 Resp: 639584
Ion Ratio Lower Upper
84 100
49 123.7 94.0 141.0
51 37.7 29.0 43.4
86 62.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 98.278 ug/l

RT: 4.26 min Scan# 288

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

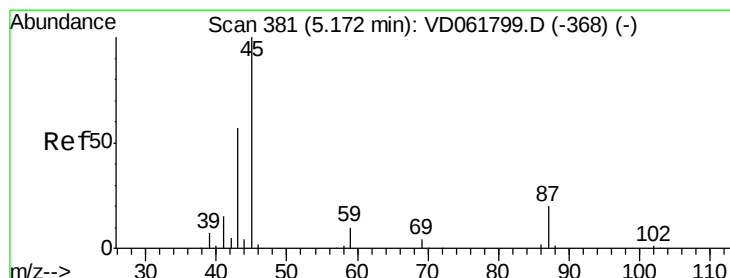
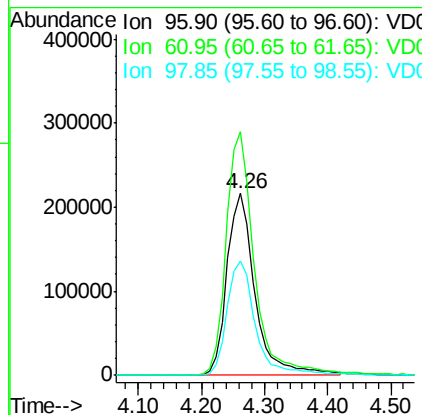
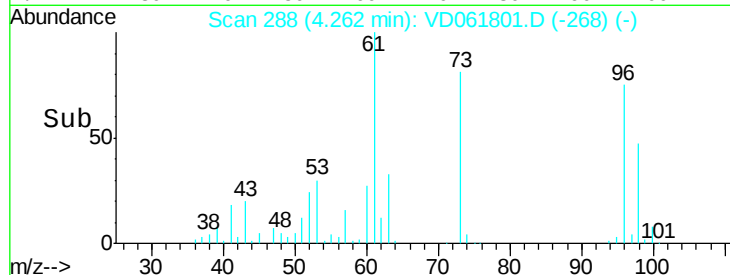
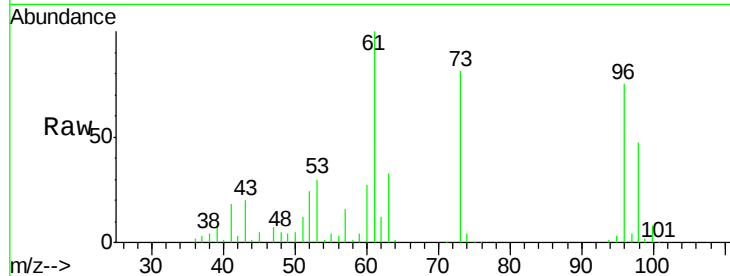
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	666224
Ion	Ratio	Lower	Upper
96	100		
61	133.9	104.4	156.6
98	63.1	51.8	77.8

Manual Integrations
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MMDadoda
4/16/2019 3:13:02 PM



#22

Diisopropyl ether

Concen: 98.290 ug/l

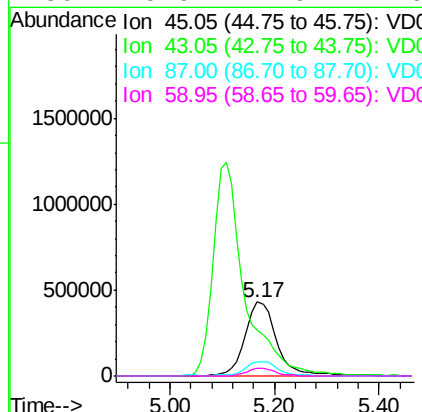
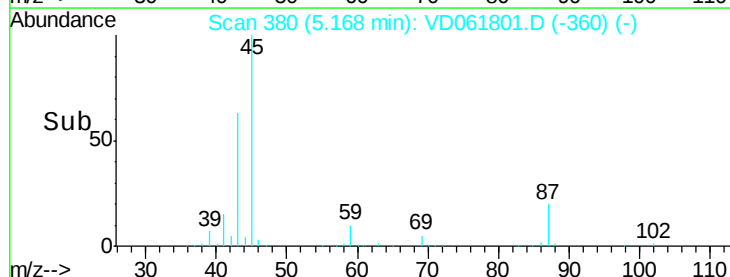
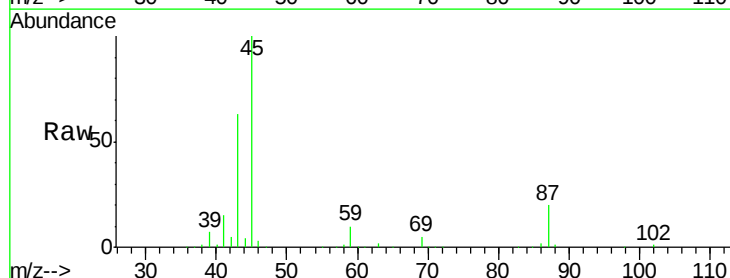
RT: 5.17 min Scan# 380

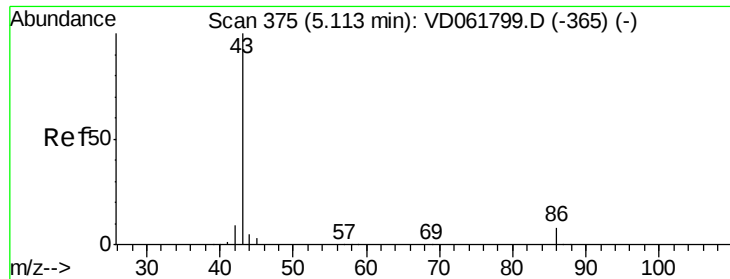
Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	45	Resp:	1764990
Ion	Ratio	Lower	Upper
45	100		
43	63.0	46.2	69.2
87	19.7	15.9	23.9
59	9.9	7.9	11.9





#23

Vinyl Acetate

Concen: 534.251 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5120472

Ion Ratio Lower Upper

43 100

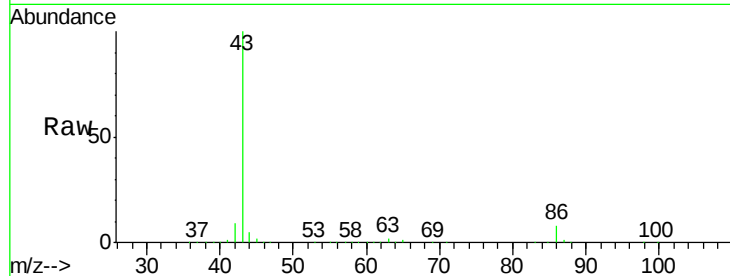
86 8.0 6.4 9.6

Manual Integrations

APPROVED

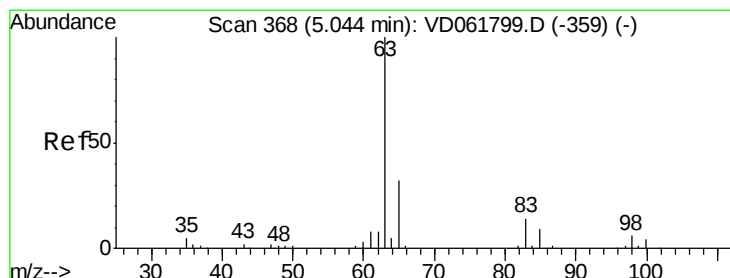
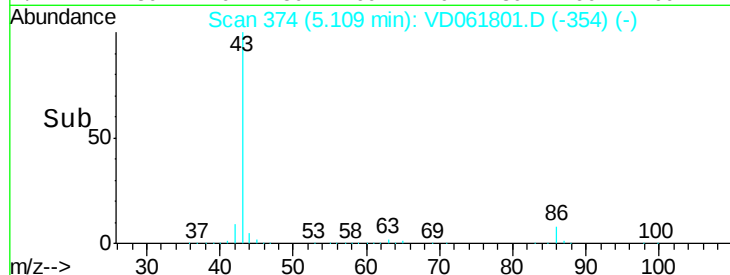
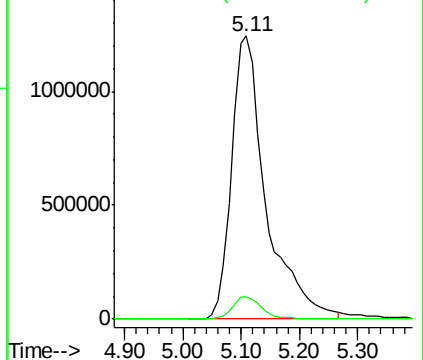
MMDadoda

4/16/2019 3:13:02 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 101.476 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

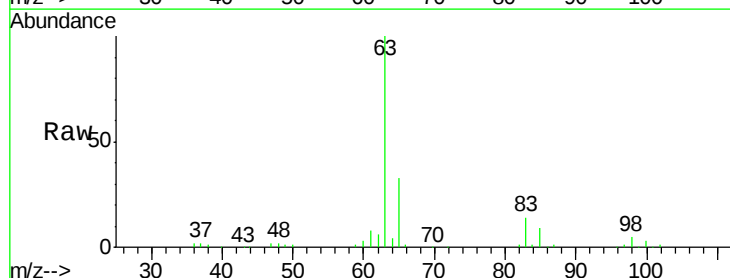
Tgt Ion: 63 Resp: 1105980

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

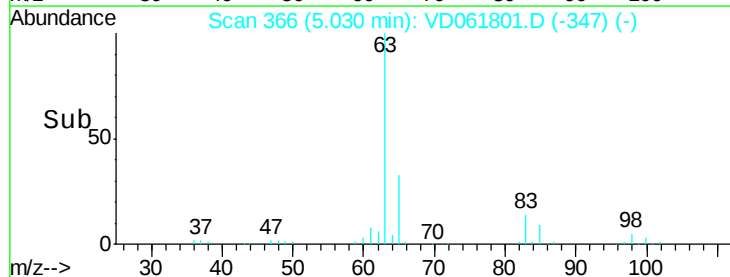
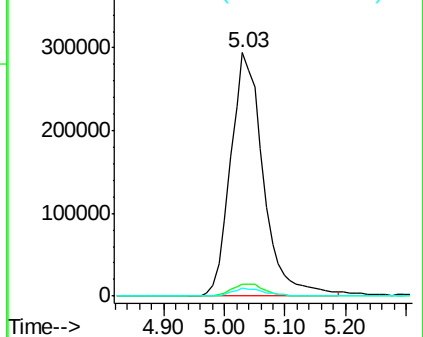
100 3.5 1.8 5.5

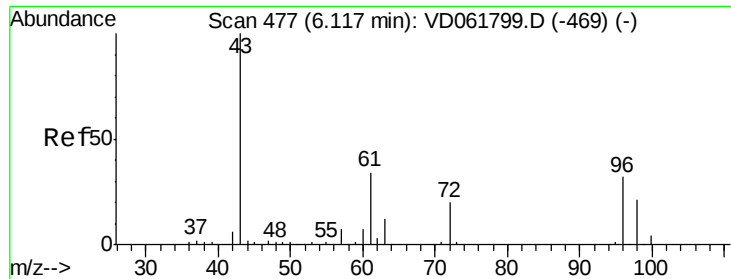


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 533.205 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 824827

Ion Ratio Lower Upper

43 100

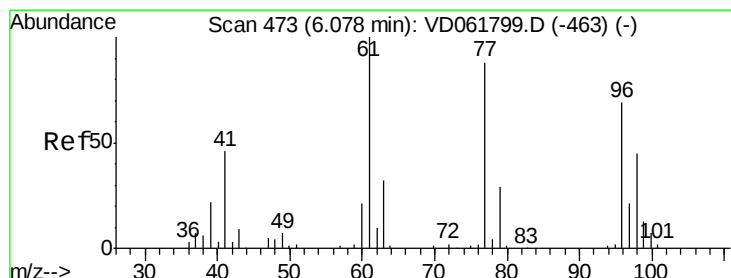
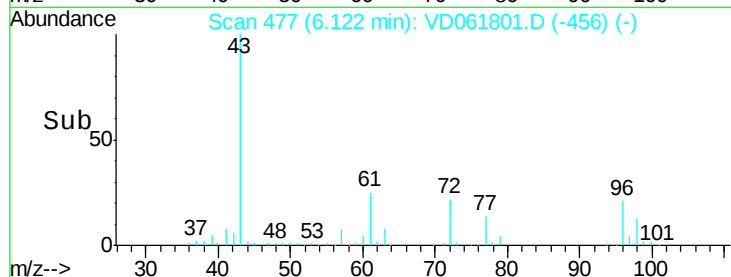
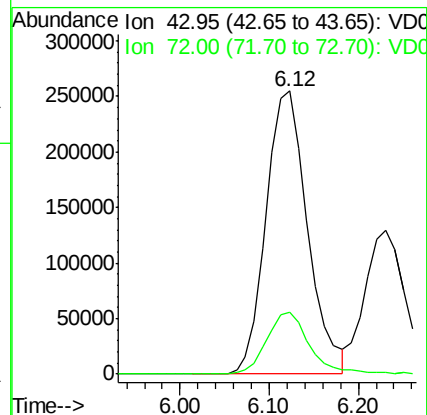
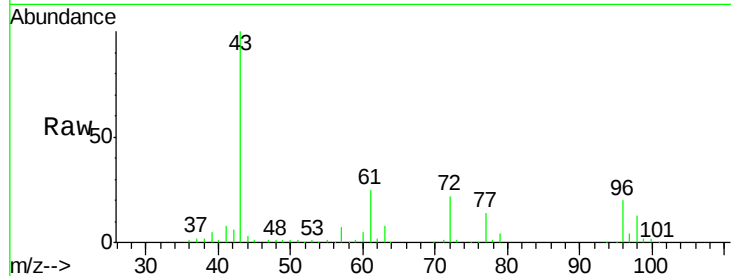
72 21.9 16.2 24.4

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#26

2,2-Dichloropropane

Concen: 96.055 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061801.D

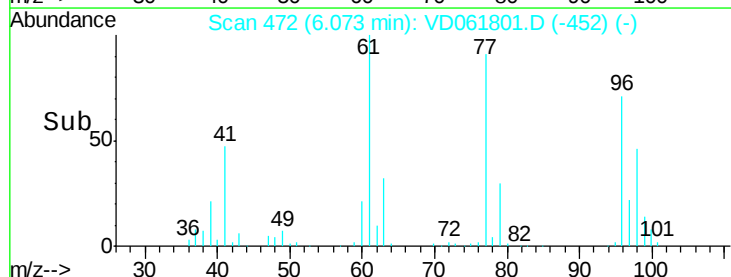
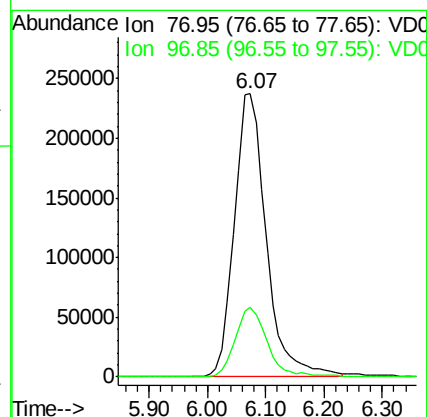
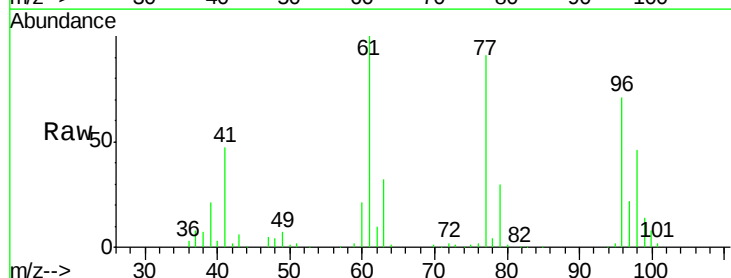
Acq: 15 Apr 2019 15:04

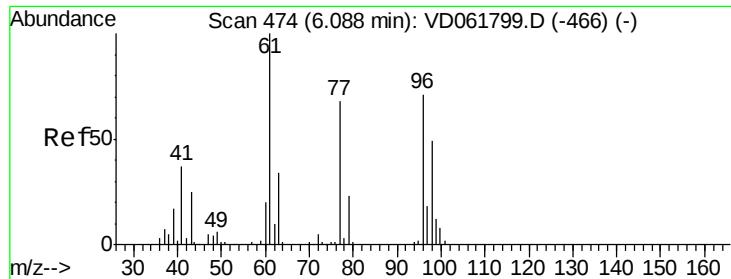
Tgt Ion: 77 Resp: 905817

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.9





#27

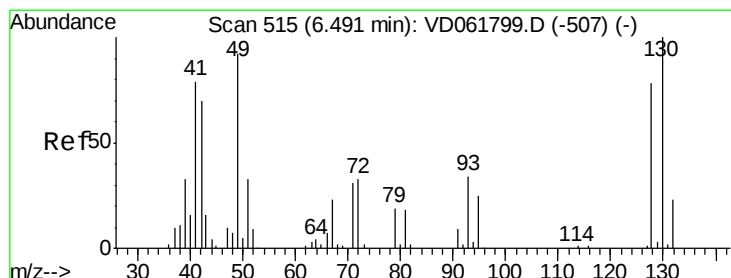
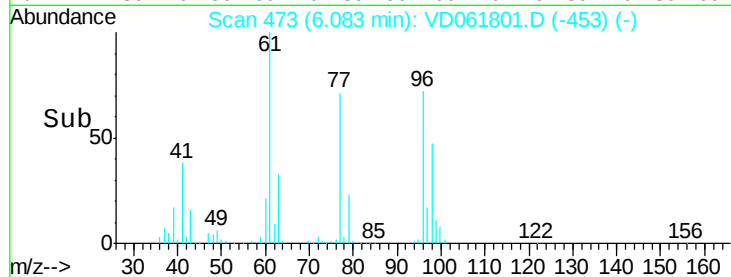
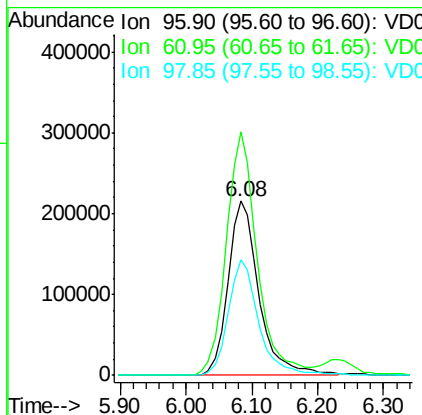
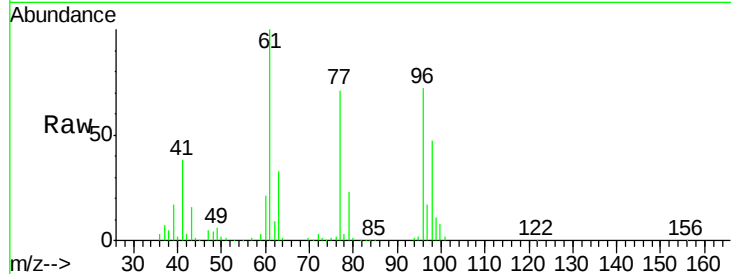
cis-1,2-Dichloroethene
 Concen: 96.257 ug/l
 RT: 6.08 min Scan# 473
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.6	0.0	279.8	
98	66.1	0.0	136.0	

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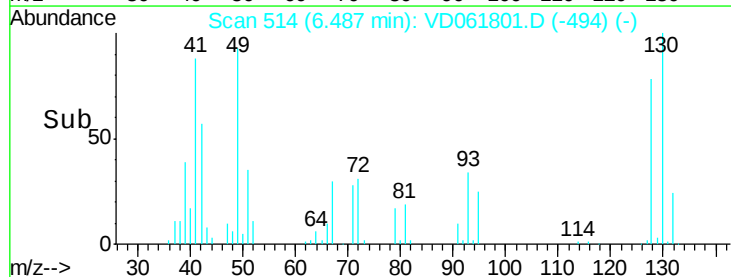
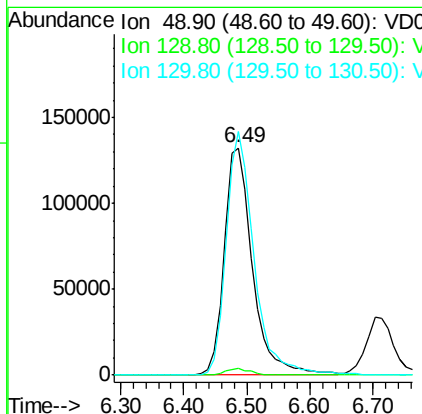
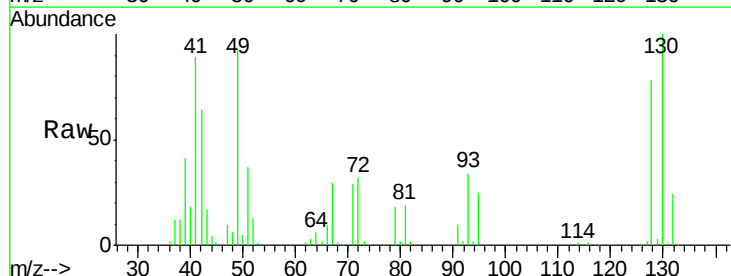
MMDadoda
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#28

Bromochloromethane
 Concen: 98.789 ug/l
 RT: 6.49 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	6.6	
130	107.1	86.7	130.1	





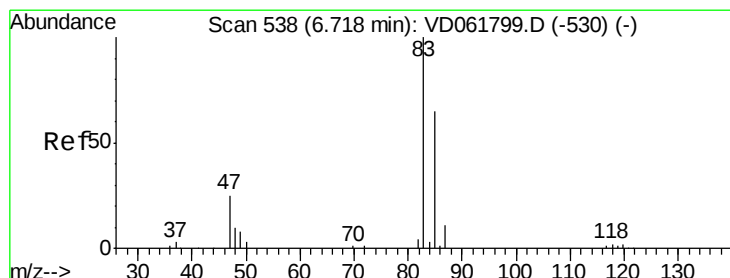
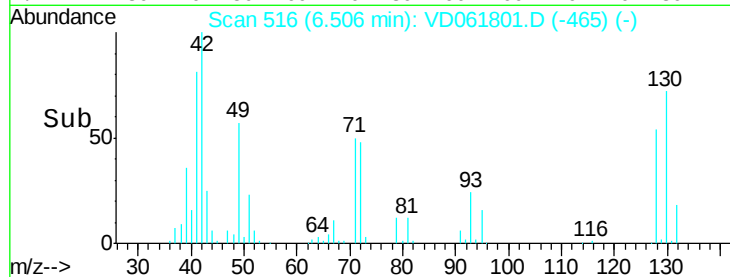
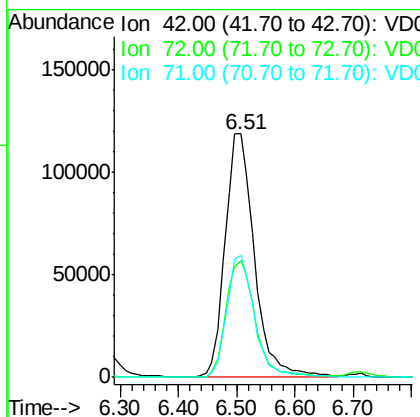
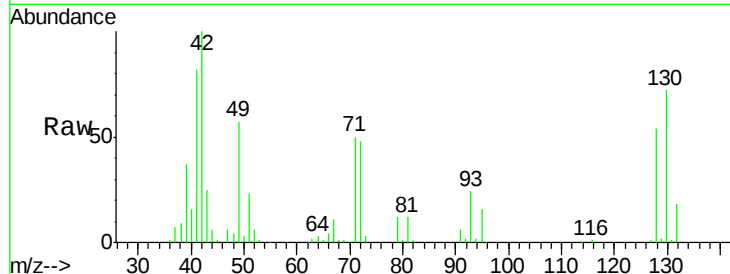
#29
Tetrahydrofuran
Concen: 551.952 ug/l
RT: 6.51 min Scan# 516
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.8	56.6
71	47.5	36.7	55.1

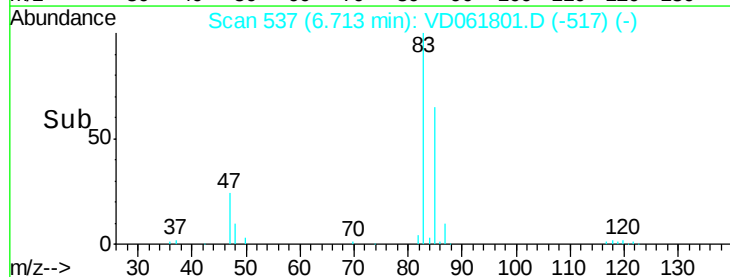
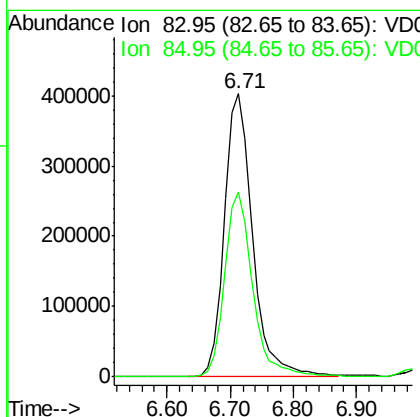
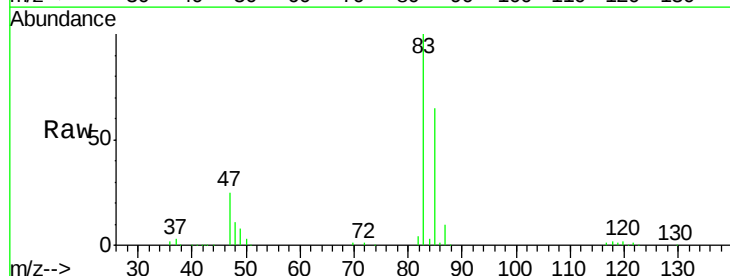
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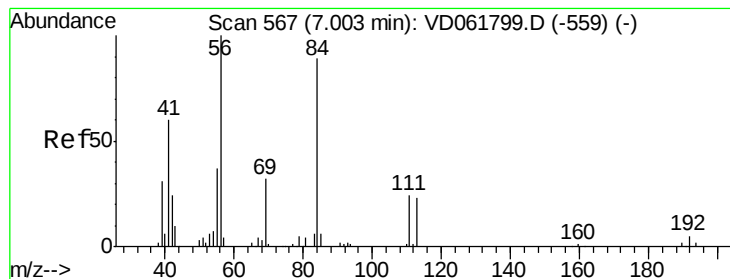
MMDadoda
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#30
Chloroform
Concen: 102.434 ug/l
RT: 6.71 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.7	77.5





#31

Cvclohexane

Concen: 96.047 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 801983

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.6

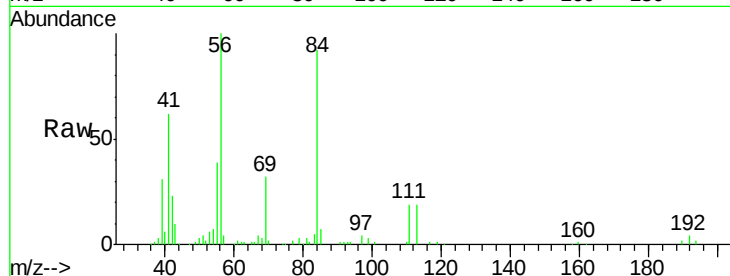
84 92.0 72.2 108.4

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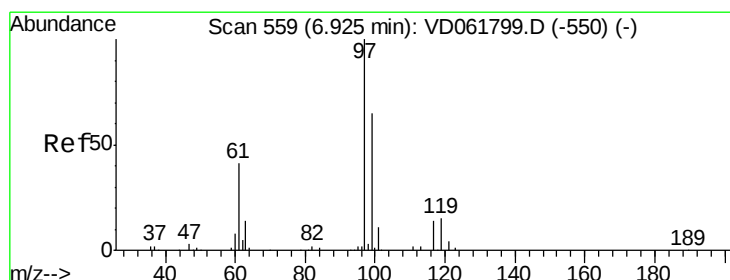
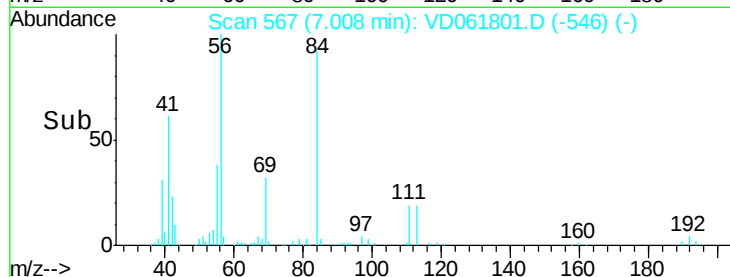
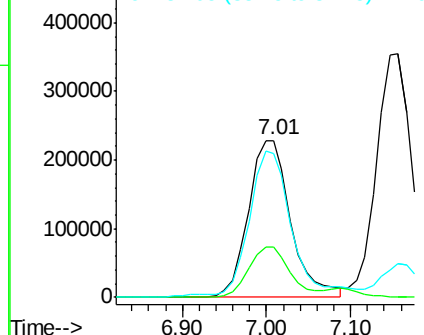
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 99.894 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

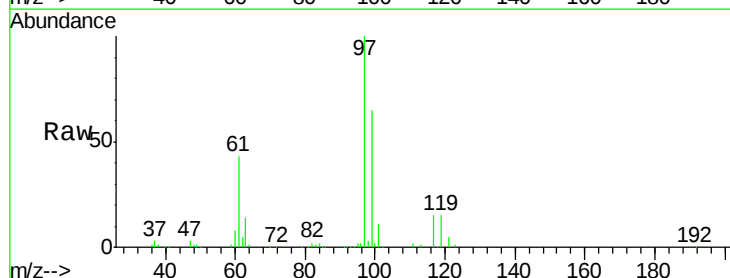
Tgt Ion: 97 Resp: 1077285

Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.2

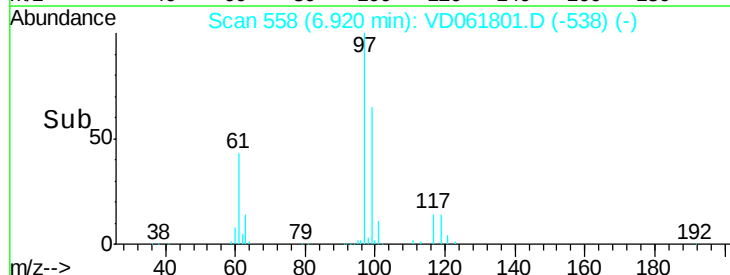
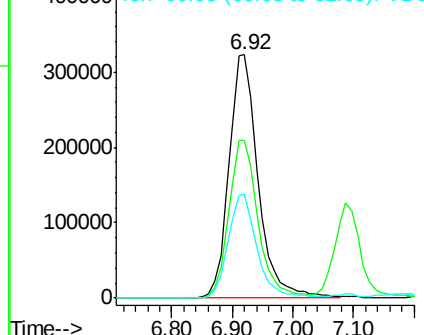
61 42.8 32.4 48.6

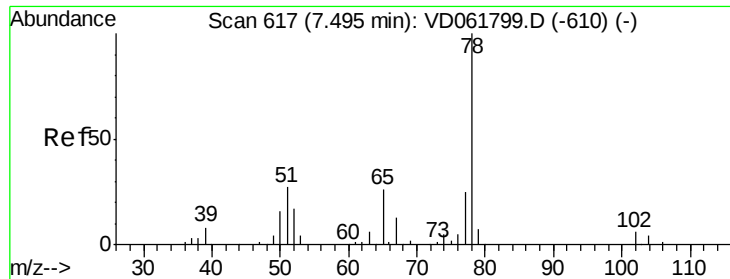


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 99.894 ug/l

RT: 7.50 min Scan# 617

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 553722

Ion Ratio Lower Upper

65 100

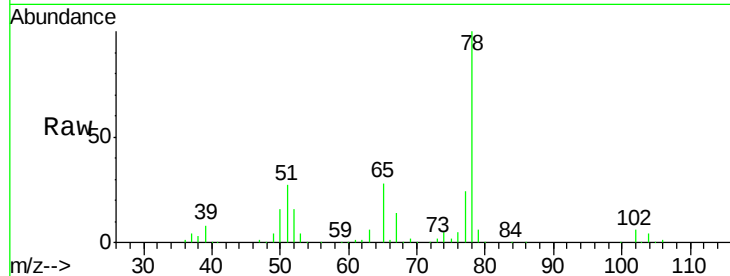
67 49.8 0.0 98.0

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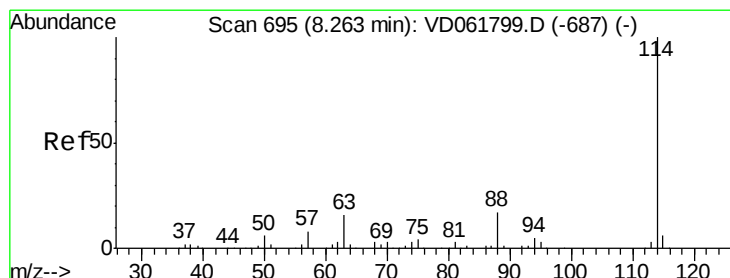
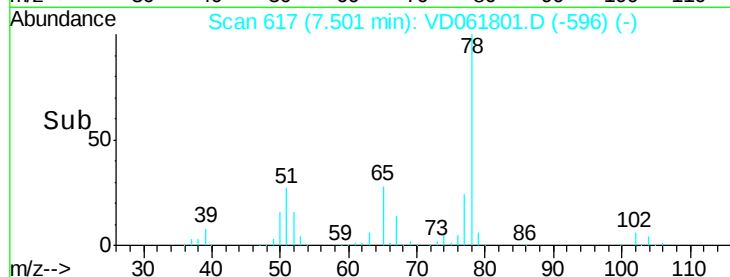
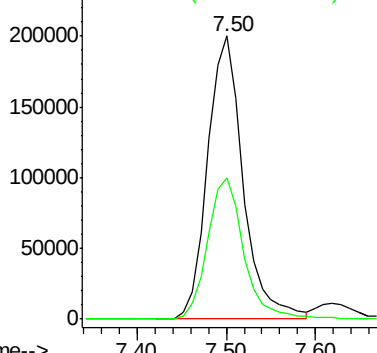
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.26 min Scan# 694

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

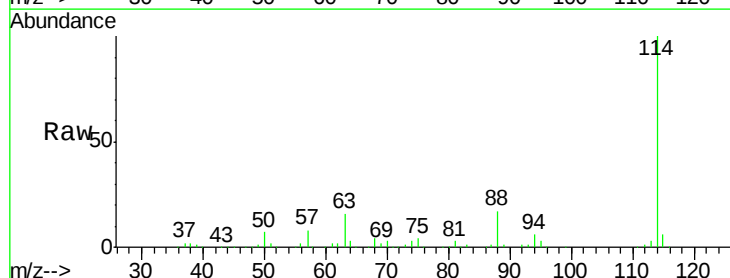
Tgt Ion: 114 Resp: 1129825

Ion Ratio Lower Upper

114 100

63 16.1 0.0 32.4

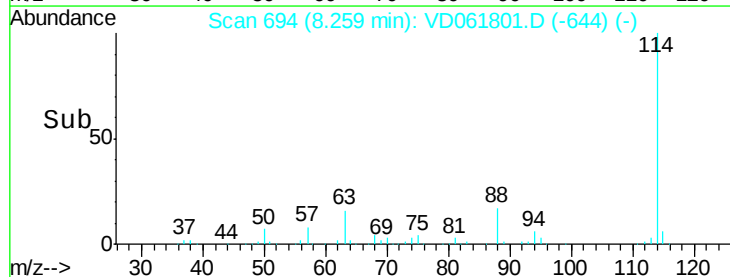
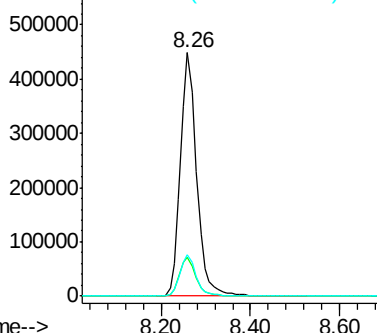
88 17.1 0.0 33.6

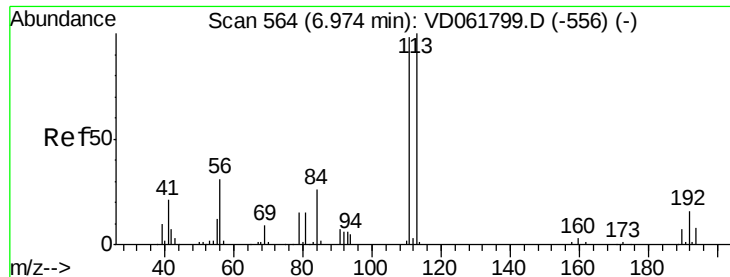


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.97 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

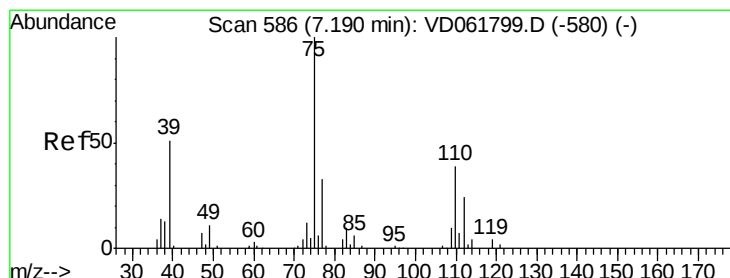
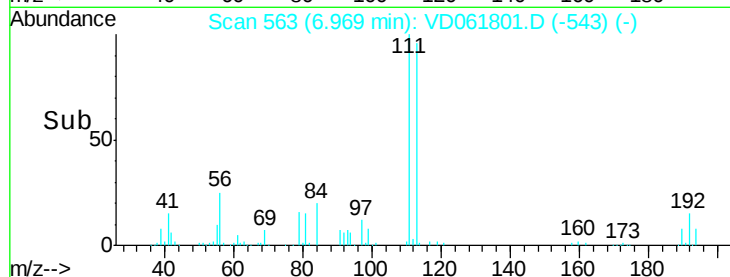
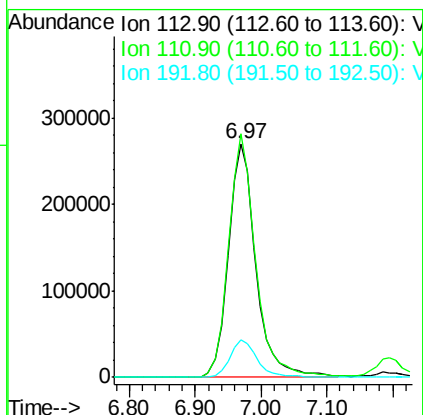
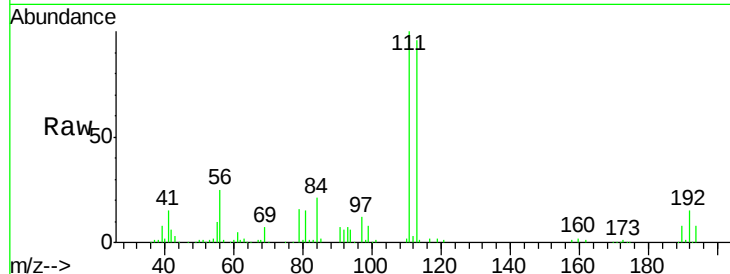
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	789707
Ion Ratio	Lower	Upper	
113	100		
111	104.2	78.5	117.7
192	16.0	13.0	19.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 97.662 ug/l

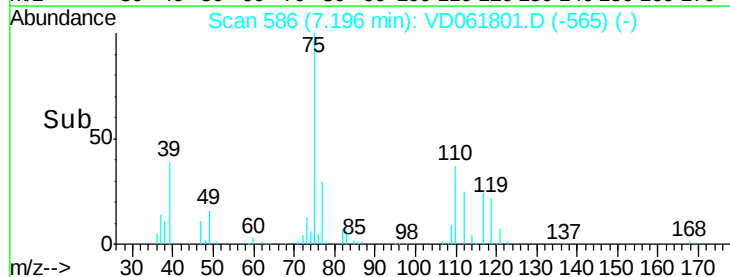
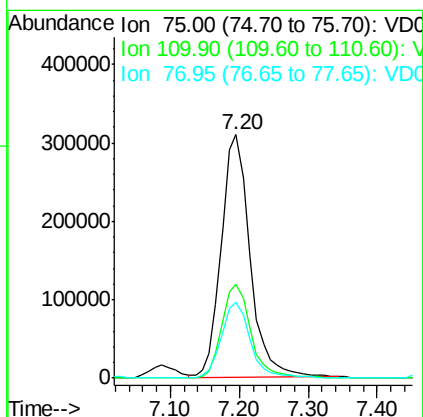
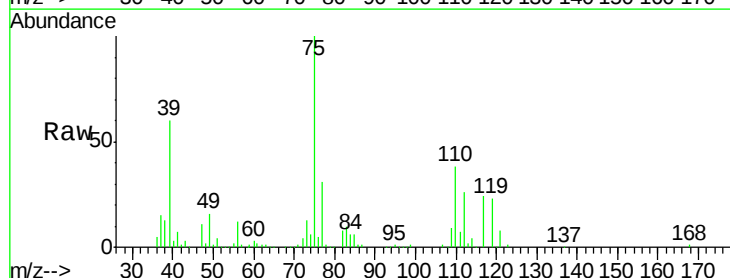
RT: 7.20 min Scan# 586

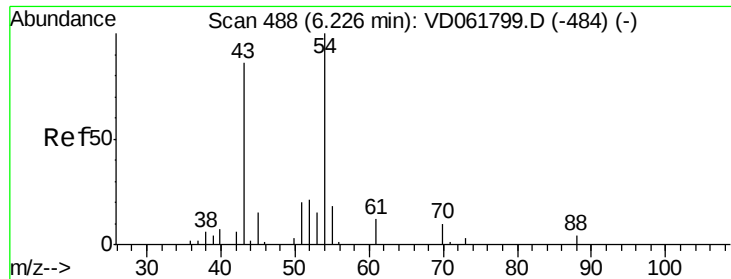
Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	75	Resp:	901842
Ion Ratio	Lower	Upper	
75	100		
110	38.4	19.1	57.1
77	31.2	25.6	38.4





#37

Ethyl Acetate

Concen: 106.484 ug/l

RT: 6.23 min Scan# 488

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

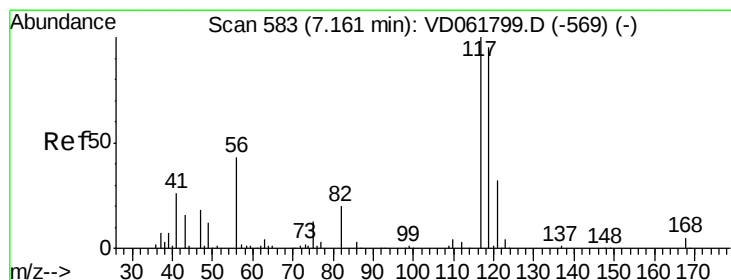
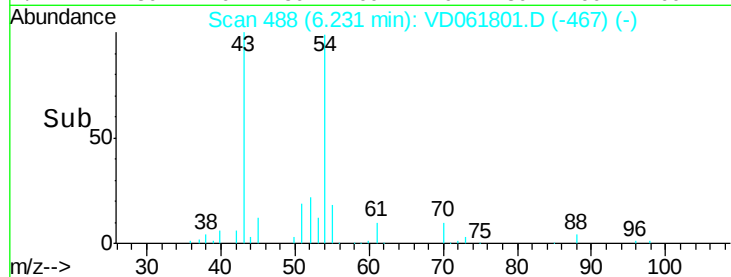
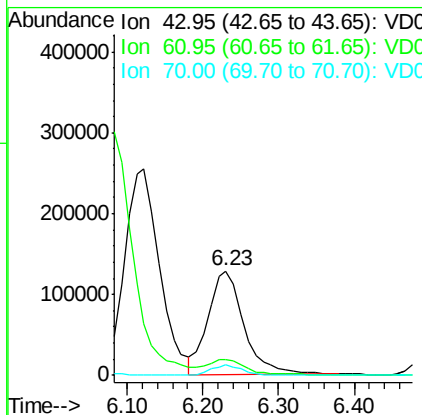
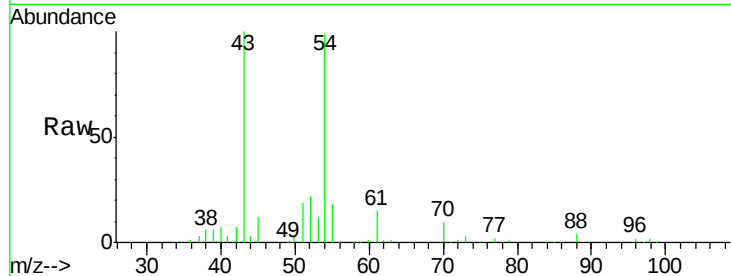
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	420763
Ion	Ratio	Lower	Upper
43	100		
61	14.6	14.7	22.1#
70	9.9	7.8	11.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 90.884 ug/l m

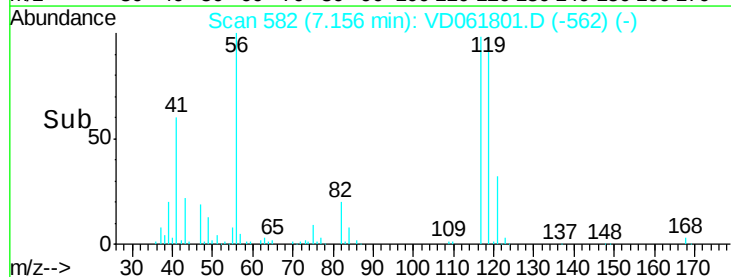
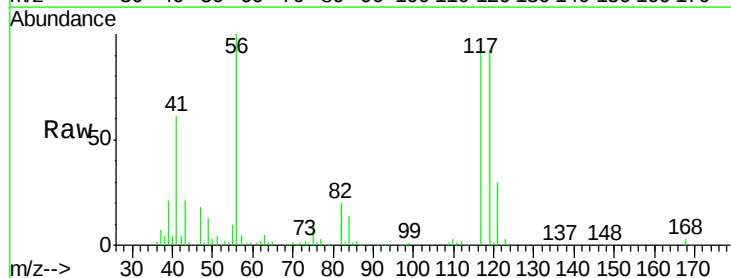
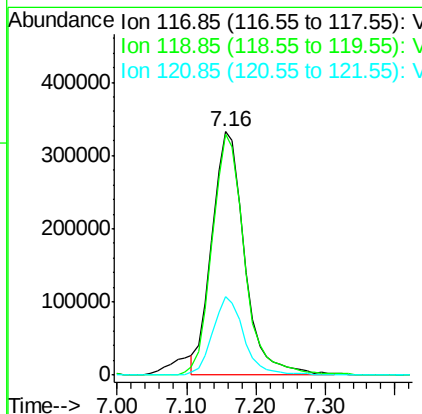
RT: 7.16 min Scan# 582

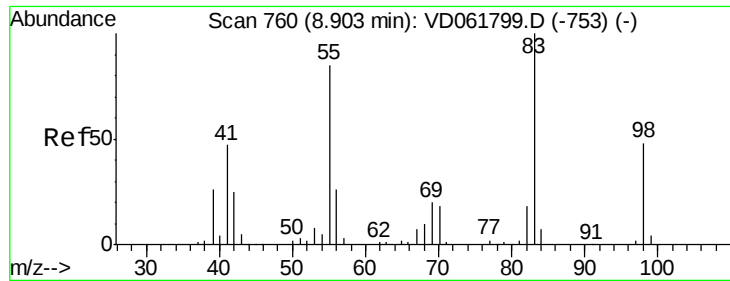
Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	117	Resp:	1092384
Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.8	113.8
121	32.4	25.9	38.9





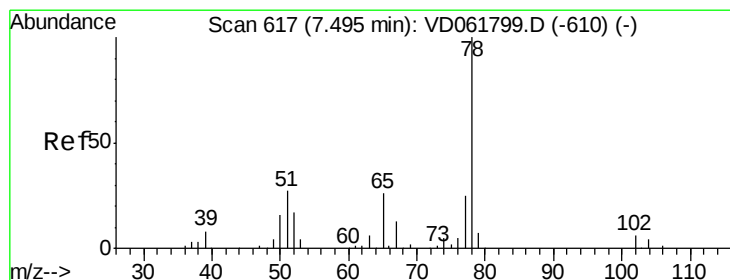
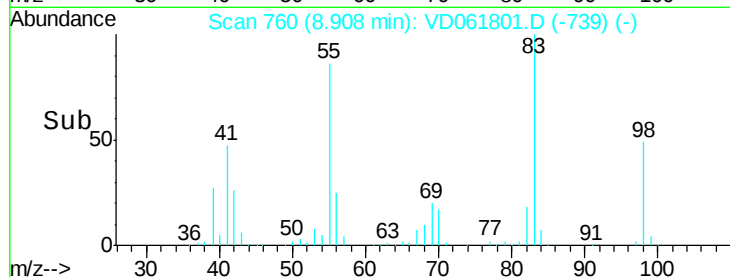
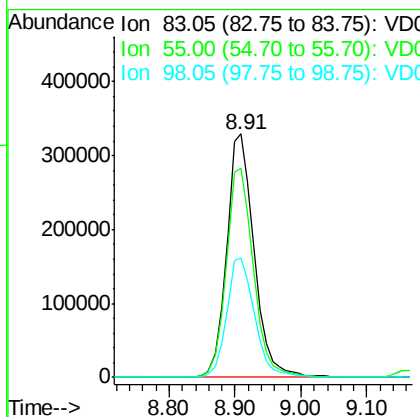
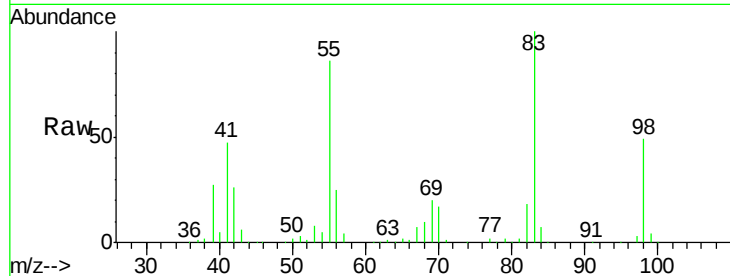
#39
Methvlcvclohexane
Concen: 100.075 ug/l
RT: 8.91 min Scan# 760
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	959460
Ion Ratio	Lower	Upper	
83	100		
55	85.7	68.2	102.4
98	49.3	38.2	57.4

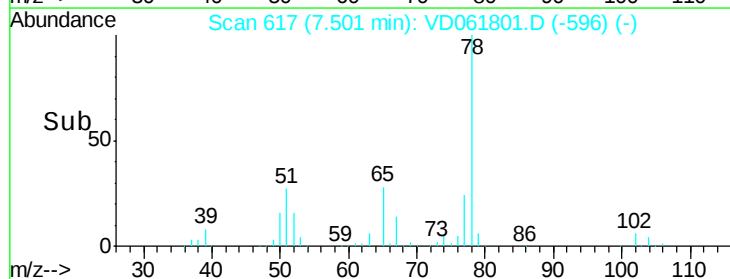
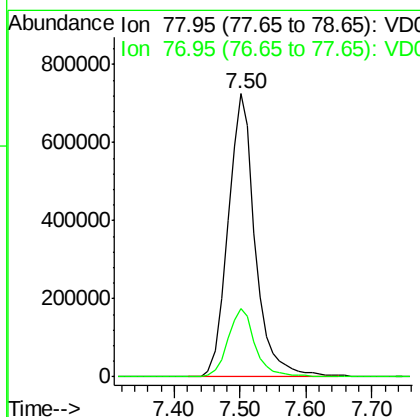
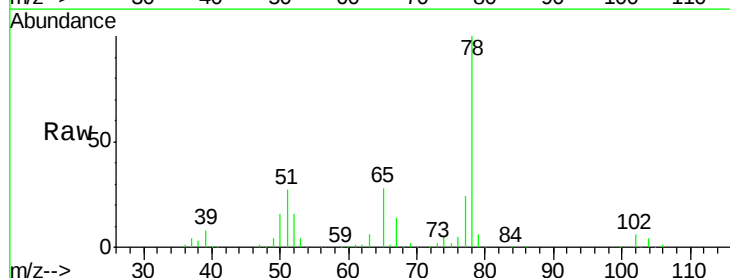
Manual Integrations
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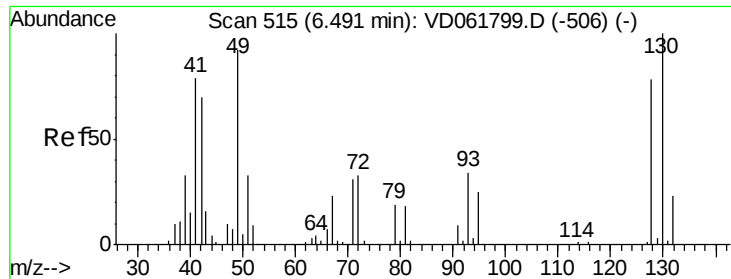
MMDadoda
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#40
Benzene
Concen: 94.248 ug/l
RT: 7.50 min Scan# 617
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion	78	Resp	2089307
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.7	29.5





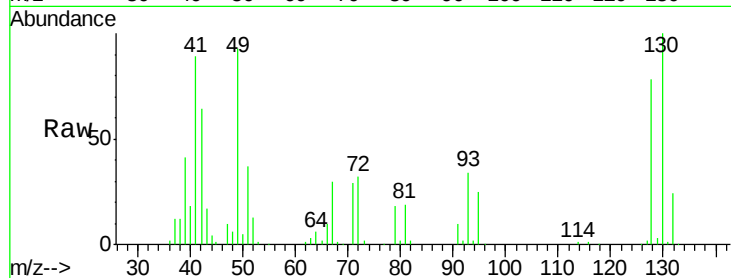
#41
Methacrylonitrile
Concen: 103.829 ug/l
RT: 6.49 min Scan# 514
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

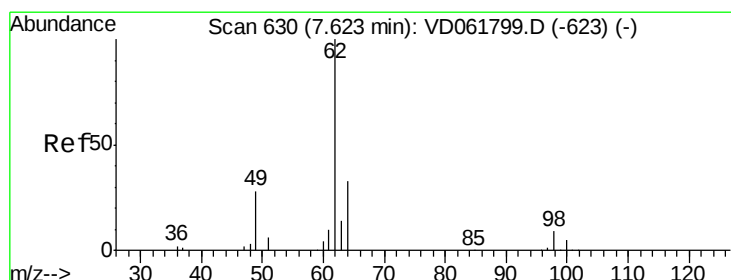
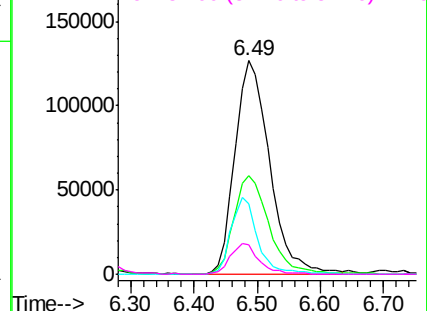
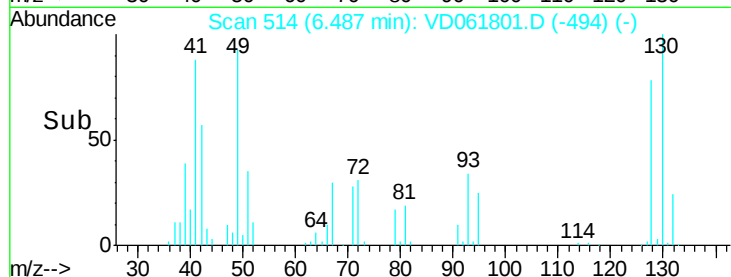
Tot Ion	Ratio	Lower	Upper
41	100		
39	46.0	34.1	51.1
67	33.1	23.8	35.6
52	14.0	8.8	13.2

Manual Integrations
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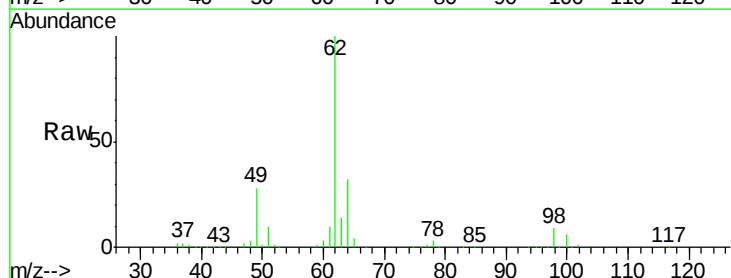


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

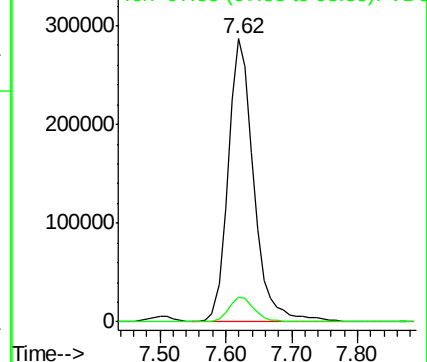
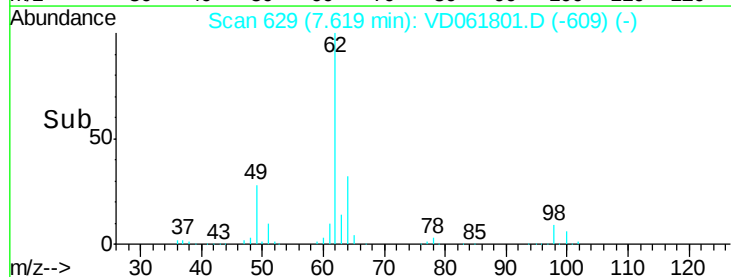


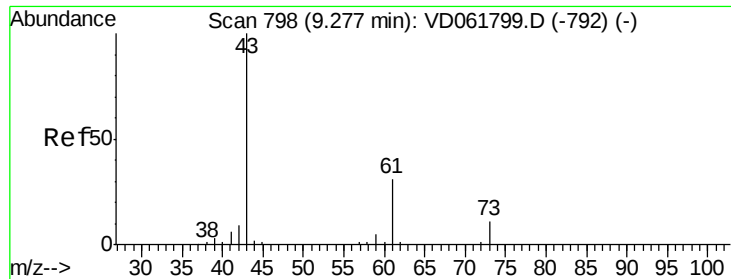
#42
1,2-Dichloroethane
Concen: 100.892 ug/l
RT: 7.62 min Scan# 629
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 109.375 ug/l

RT: 9.27 min Scan# 797

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

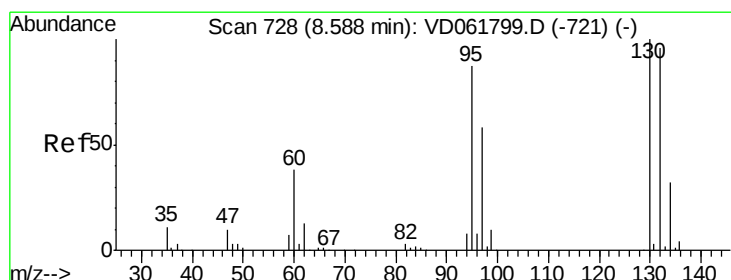
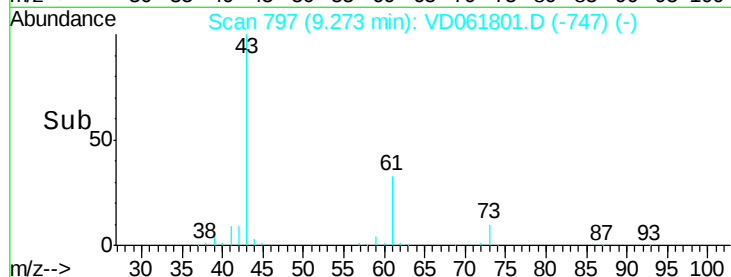
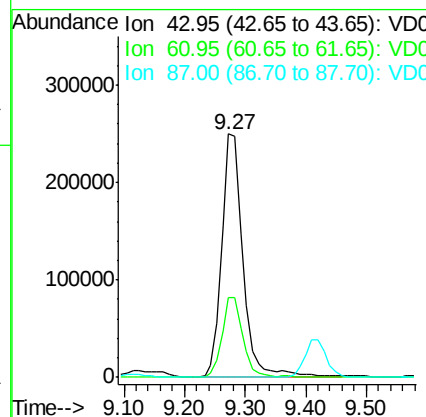
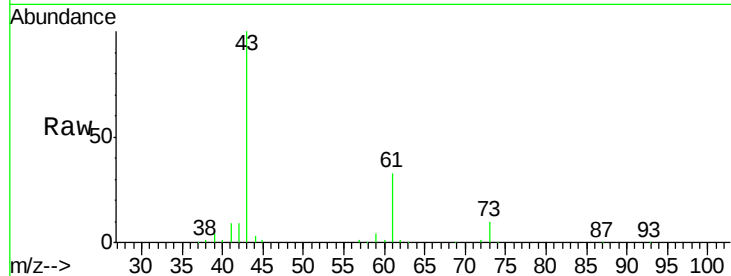
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	608193
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.1	37.7
87	0.2	0.0	0.0

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#44

Trichloroethene

Concen: 94.663 ug/l

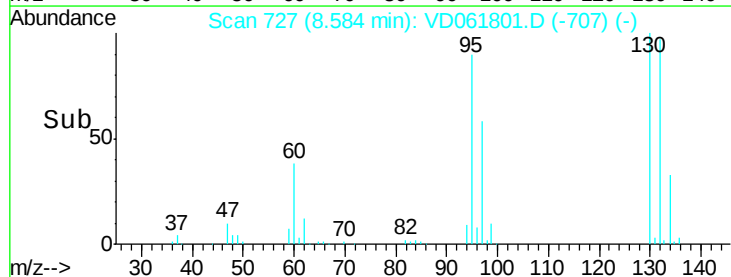
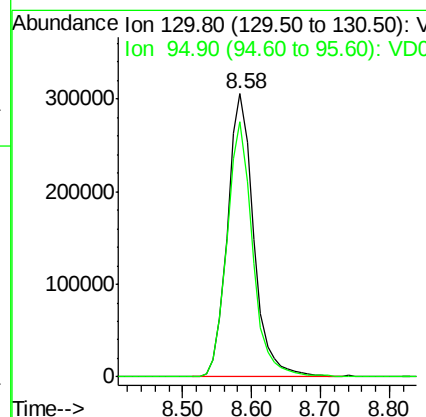
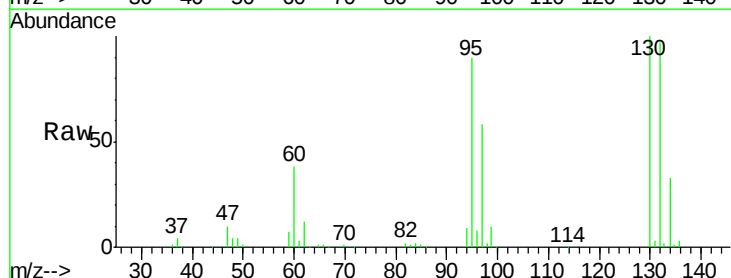
RT: 8.58 min Scan# 727

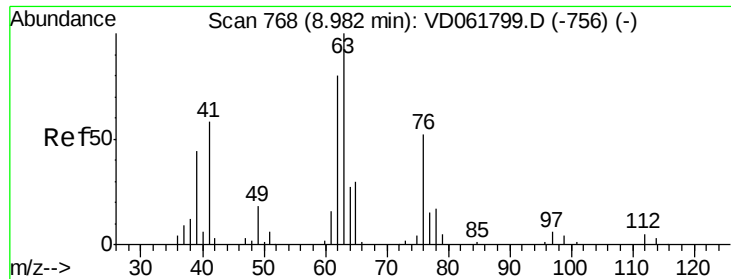
Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	130	Resp:	807738
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	174.0





#45

1,2-Dichloropropane

Concen: 101.073 ug/l

RT: 8.98 min Scan# 767

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 583546

Ion Ratio Lower Upper

63 100

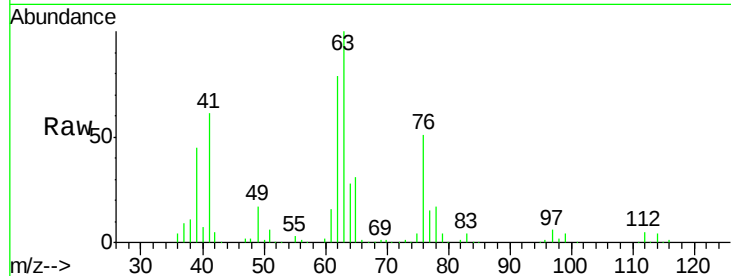
65 30.8 23.8 35.6

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.98

250000

200000

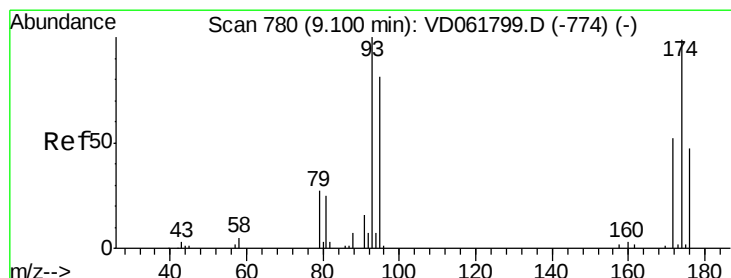
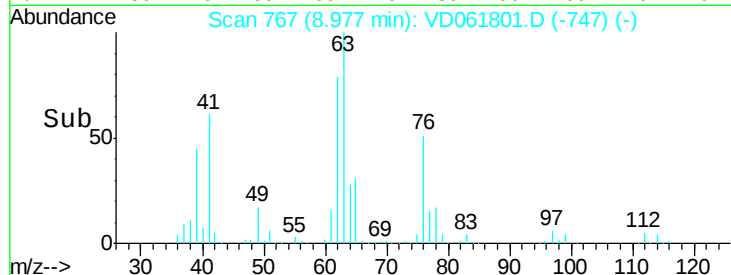
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 102.460 ug/l

RT: 9.11 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

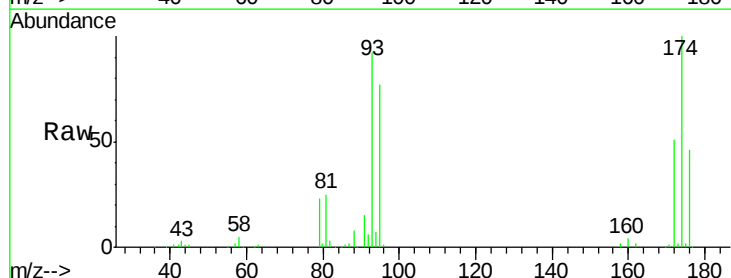
Tgt Ion: 93 Resp: 421504

Ion Ratio Lower Upper

93 100

95 84.2 64.8 97.2

174 108.9 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

250000

200000

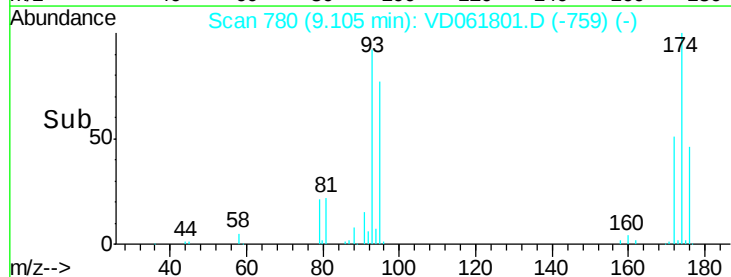
150000

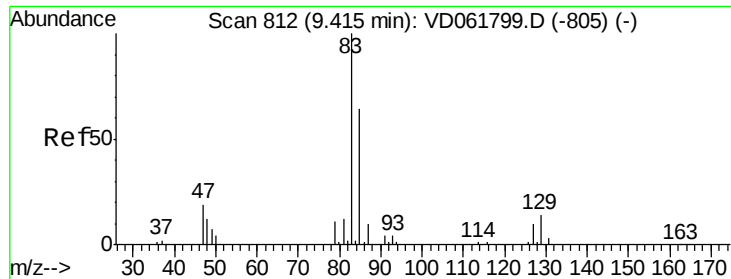
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 99.660 ug/l

RT: 9.41 min Scan# 811

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

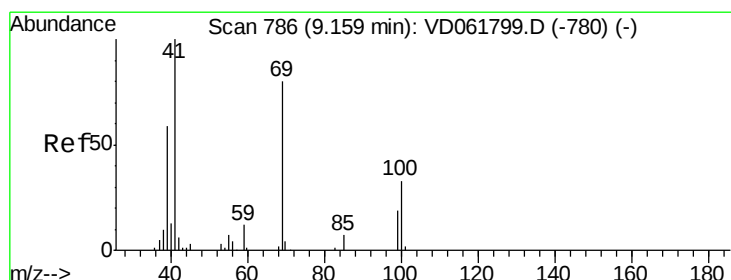
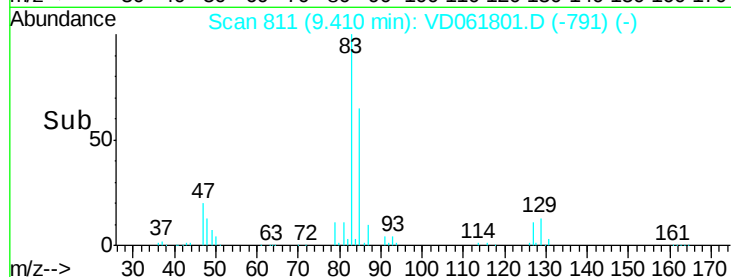
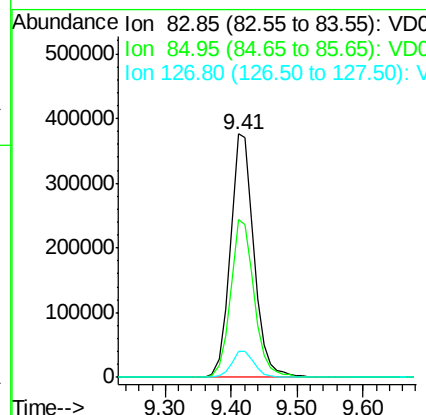
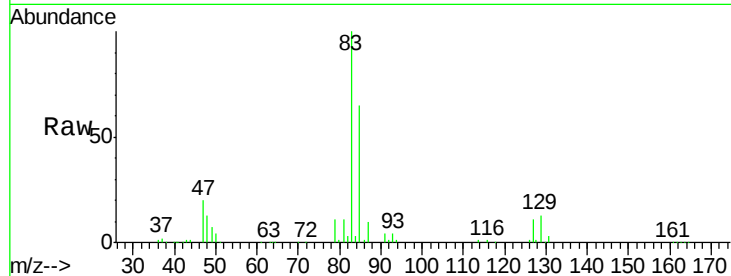
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	945847
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3
127	10.6	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 102.541 ug/l

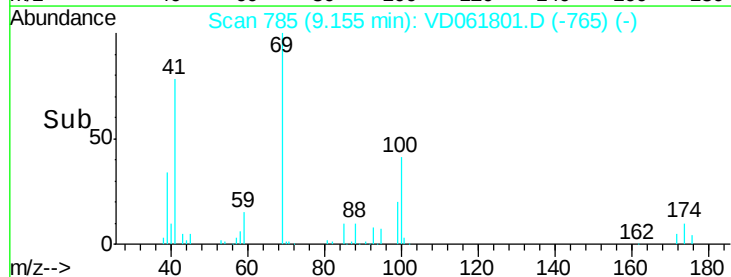
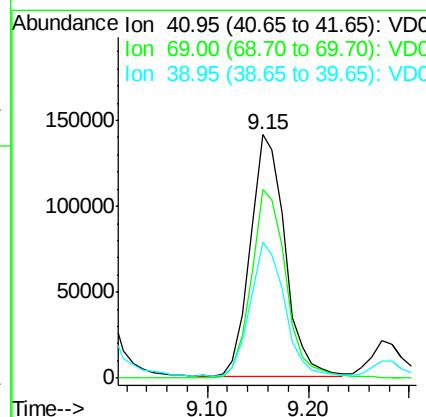
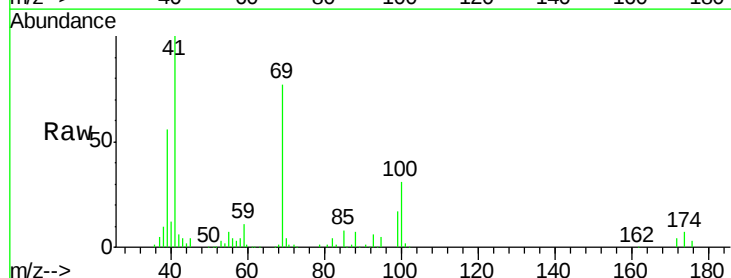
RT: 9.15 min Scan# 785

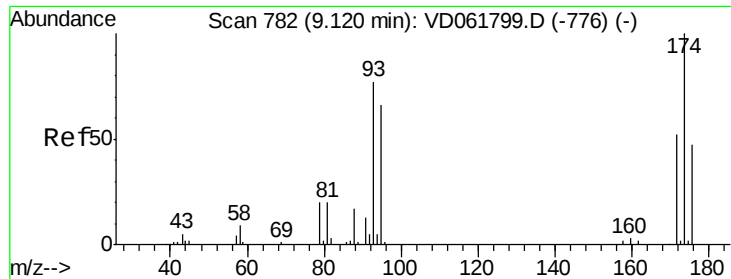
Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	41	Resp:	335166
Ion	Ratio	Lower	Upper
41	100		
69	77.5	64.2	96.2
39	55.8	46.8	70.2





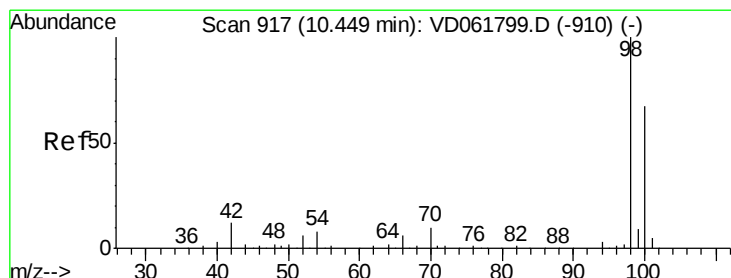
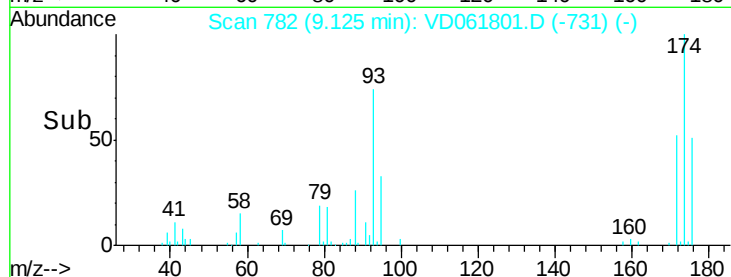
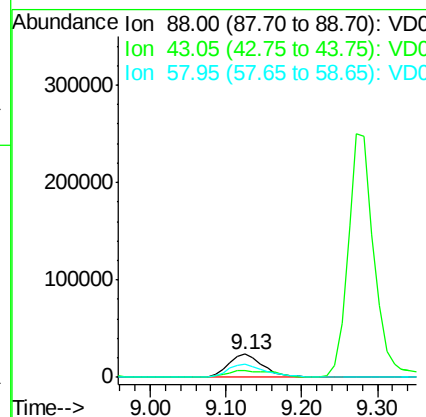
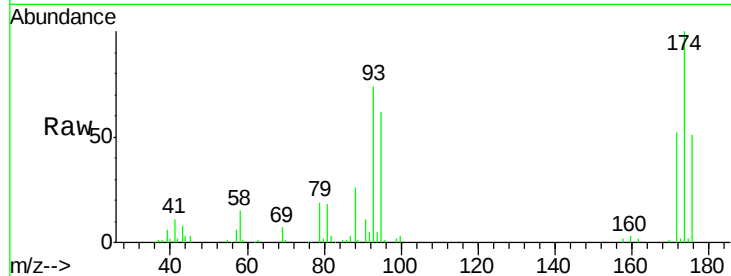
#49
1,4-Dioxane
Concen: 2136.335 ug/l
RT: 9.13 min Scan# 782
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	76323
Ion	Ratio	Lower	Upper
88	100		
43	29.3	23.4	35.0
58	56.5	44.0	66.0

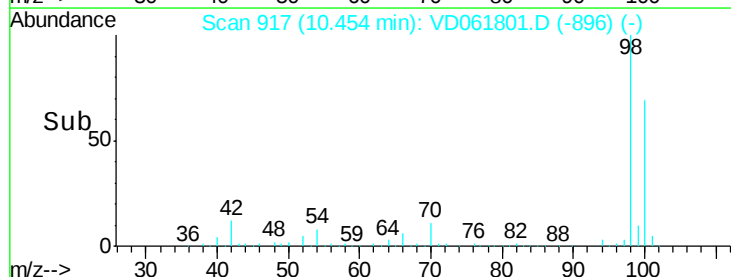
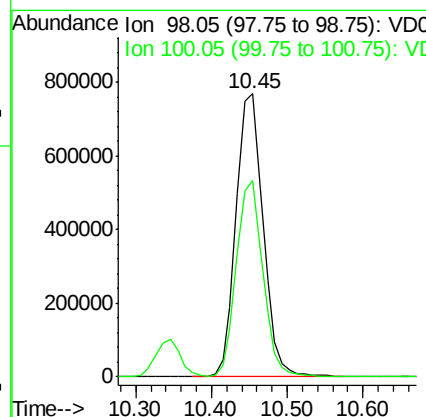
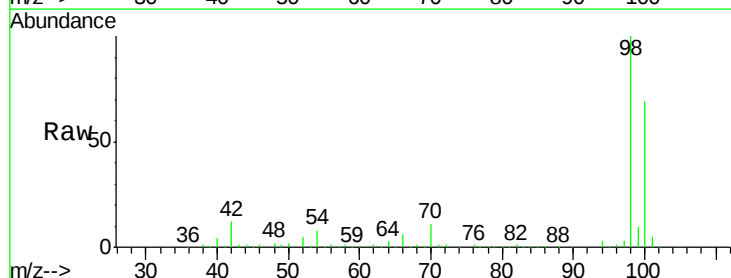
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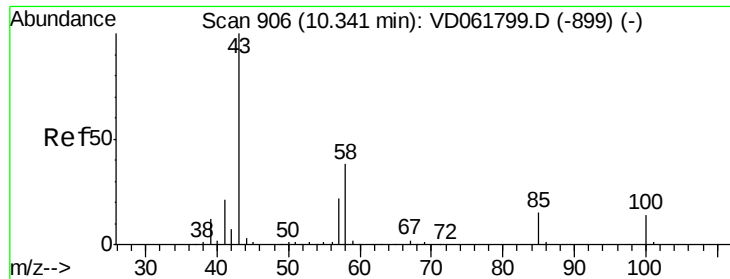
MMDadoda
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#50
Toluene-d8
Concen: 2136.335 ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion	98	Resp	1895320
Ion	Ratio	Lower	Upper
98	100		
100	69.2	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 527.061 ug/l

RT: 10.35 min Scan# 906

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1792277

Ion Ratio Lower Upper

43 100

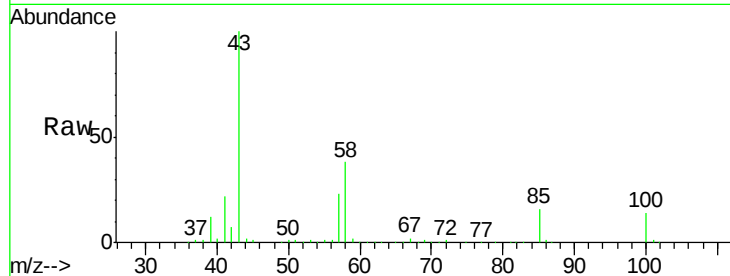
58 38.0 30.4 45.6

Manual Integrations

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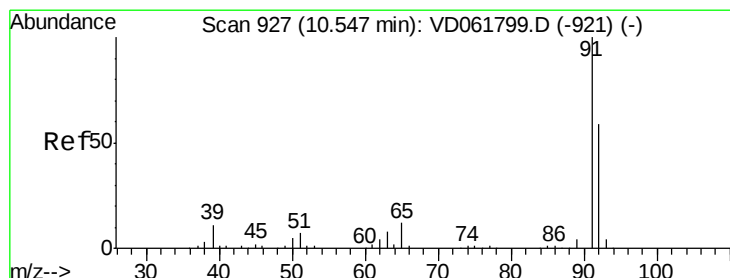
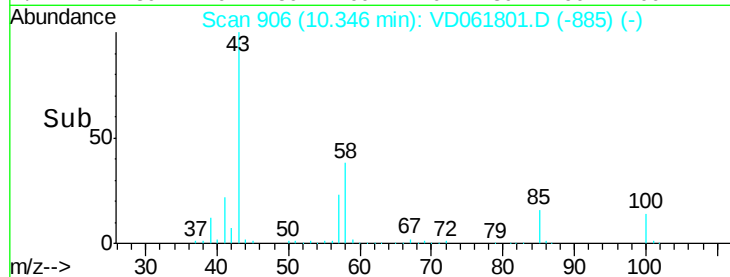
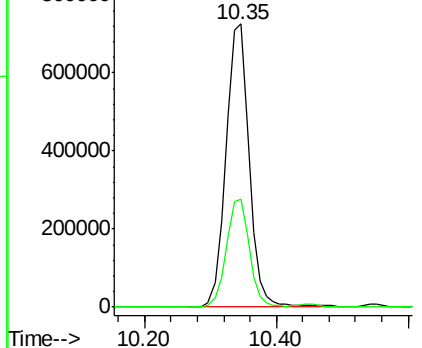
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 96.539 ug/l

RT: 10.54 min Scan# 926

Delta R.T. -0.00 min

Lab File: VD061801.D

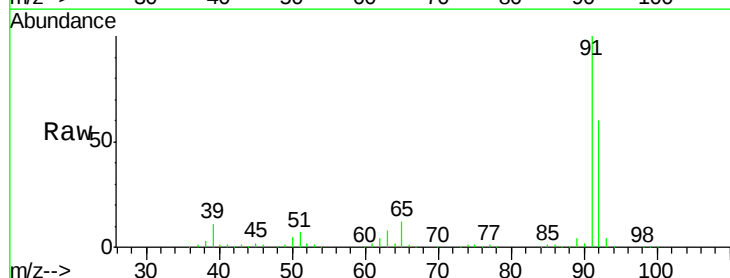
Acq: 15 Apr 2019 15:04

Tgt Ion: 92 Resp: 1371249

Ion Ratio Lower Upper

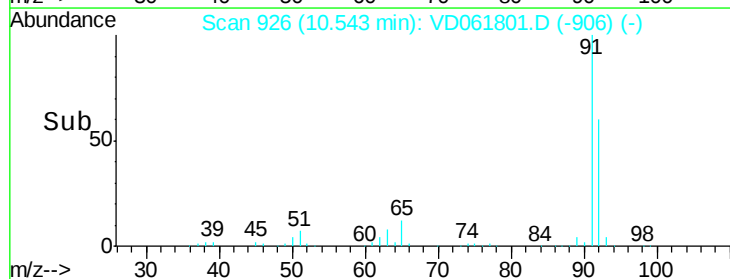
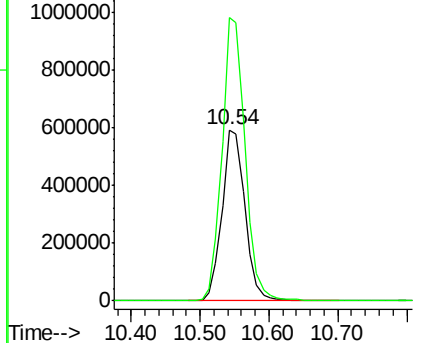
92 100

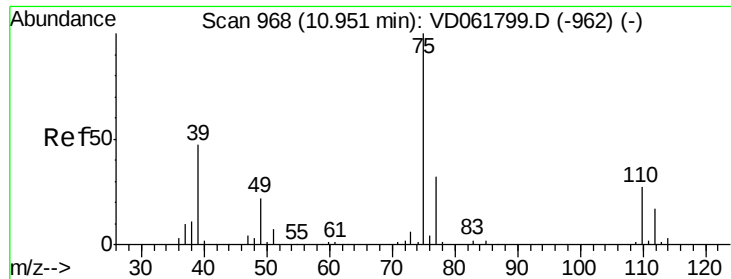
91 165.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





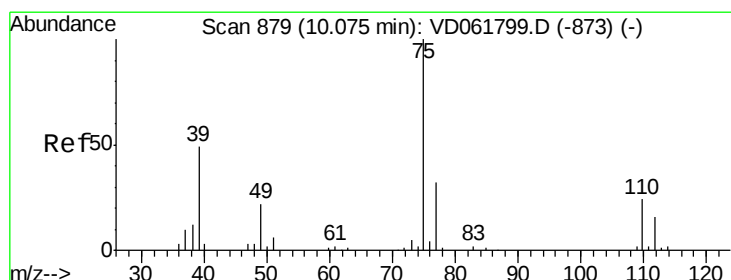
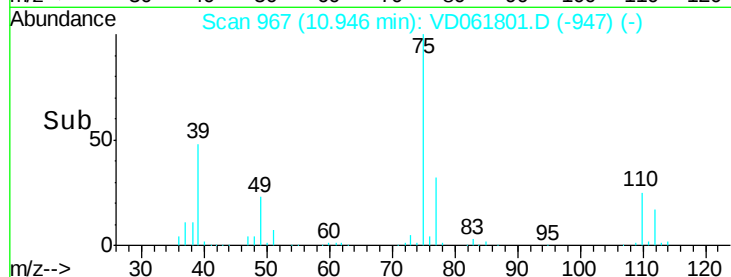
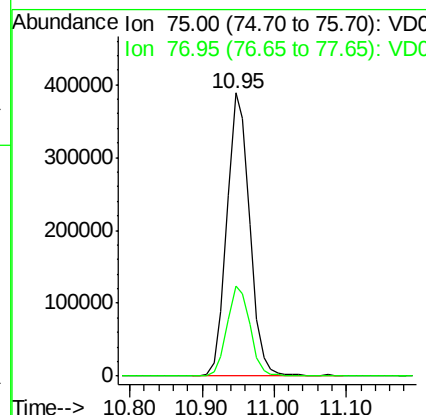
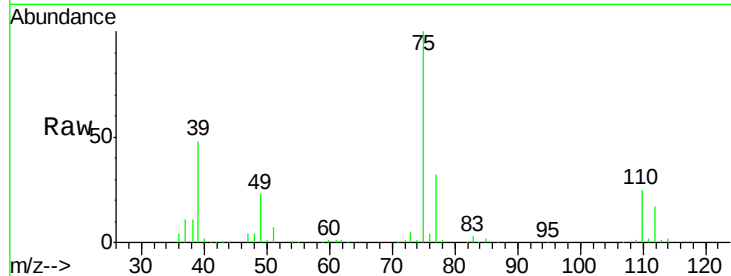
#53
 t-1,3-Dichloropropene
 Concen: 99.448 ug/l
 RT: 10.95 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.8

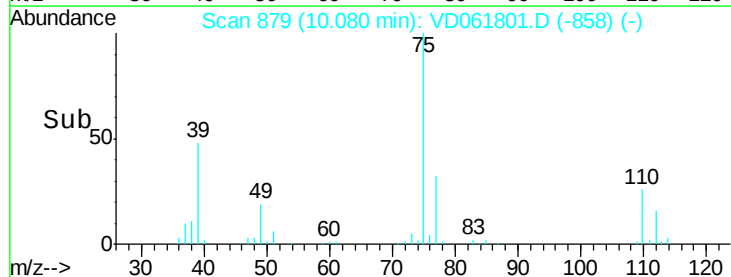
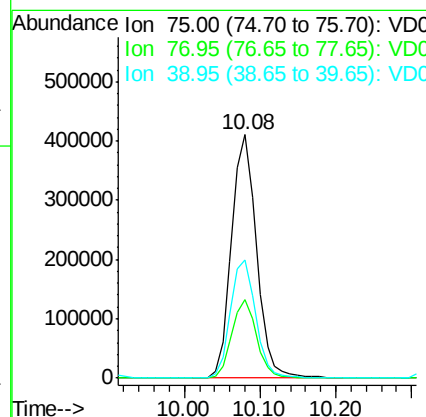
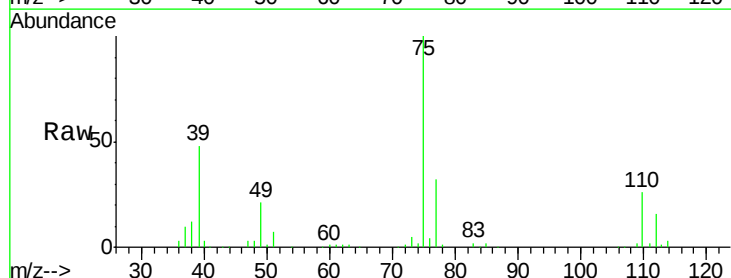
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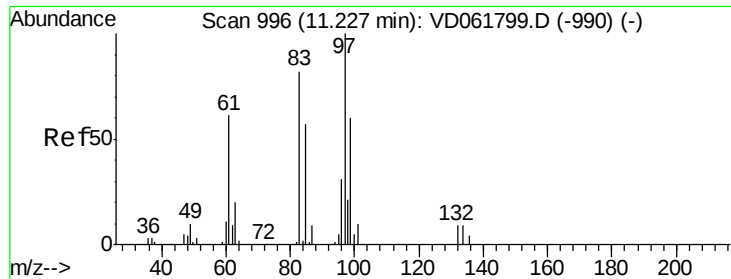
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#54
 cis-1,3-Dichloropropene
 Concen: 93.536 ug/l
 RT: 10.08 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	48.3	39.4	59.2





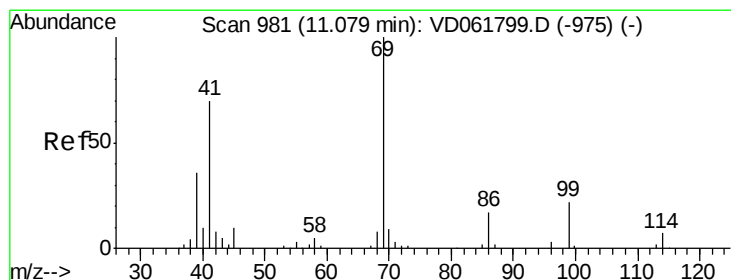
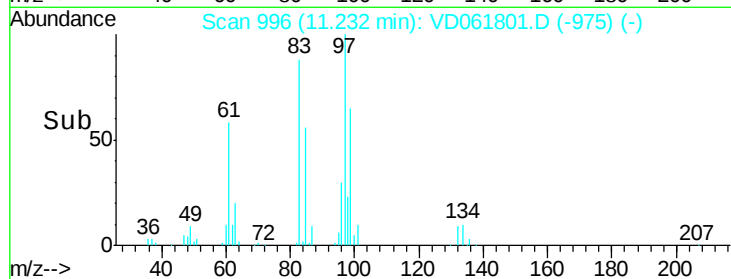
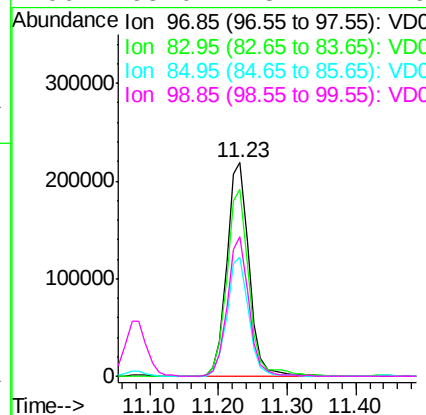
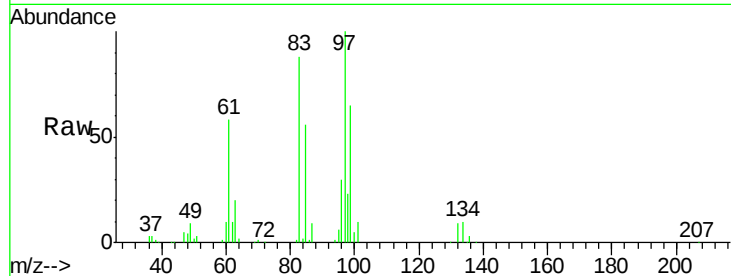
#55
 1,1,2-Trichloroethane
 Concen: 101.464 ug/l
 RT: 11.23 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	485631
Ion	Ratio	Lower	Upper
97	100		
83	87.5	65.7	98.5
85	55.9	45.6	68.4
99	65.0	48.4	72.6

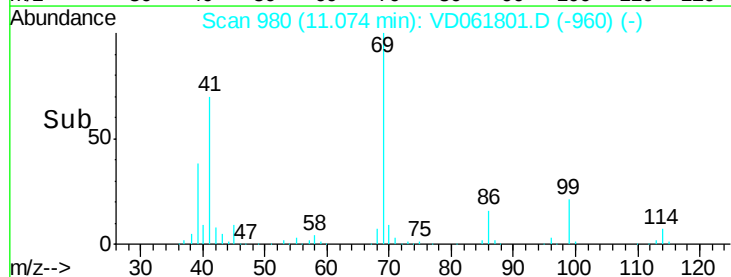
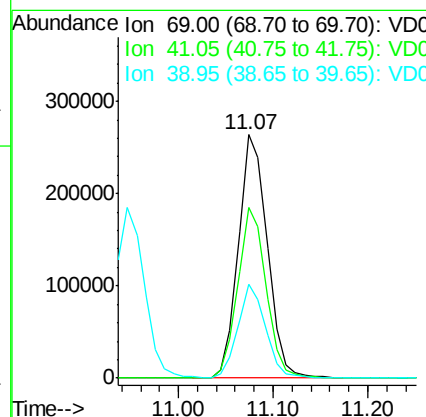
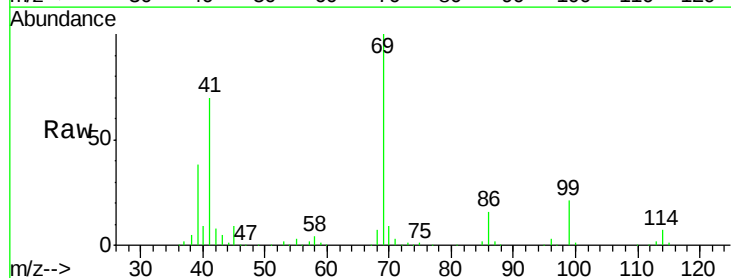
Manual Integrations
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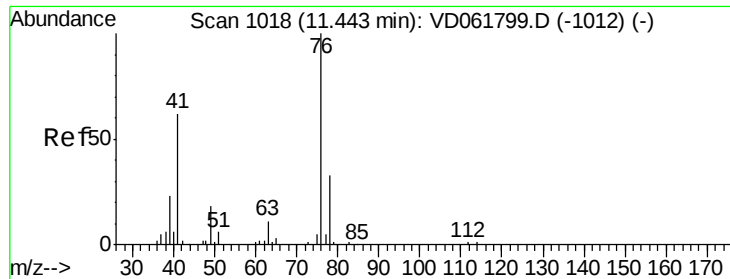
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#56
 Ethyl methacrylate
 Concen: 106.316 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion:	69	Resp:	558490
Ion	Ratio	Lower	Upper
69	100		
41	69.8	56.3	84.5
39	38.4	29.4	44.2





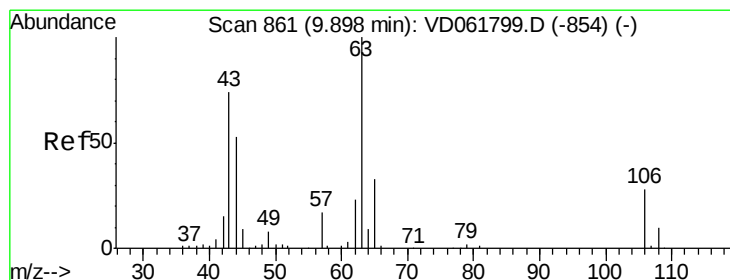
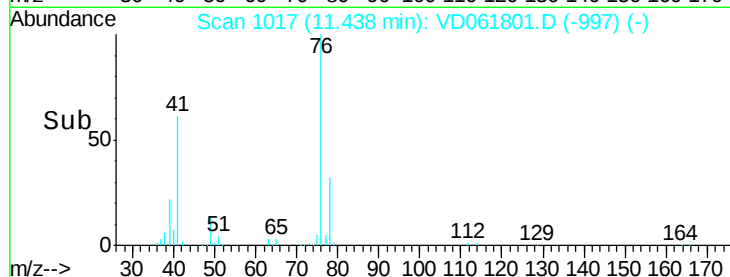
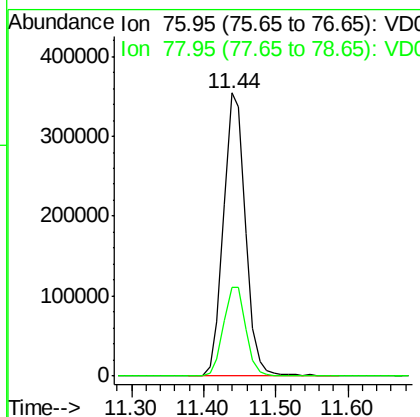
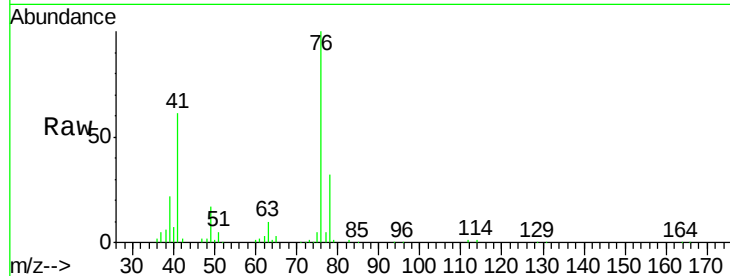
#57
 1,3-Dichloropropane
 Concen: 103.869 ug/l
 RT: 11.44 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 747401
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.2

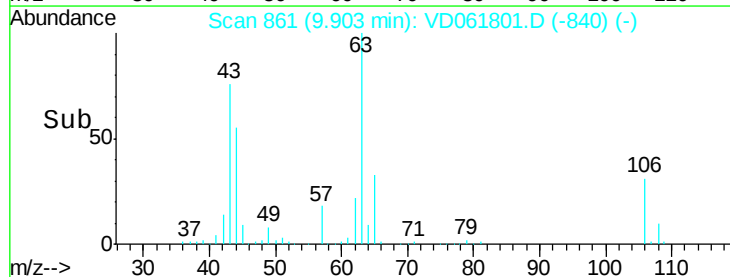
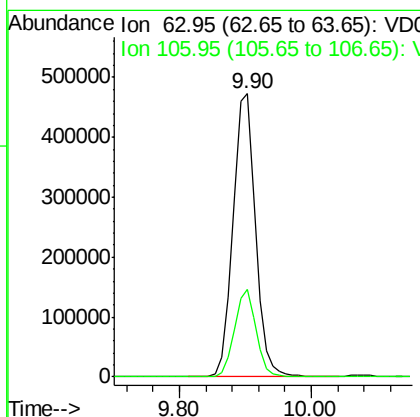
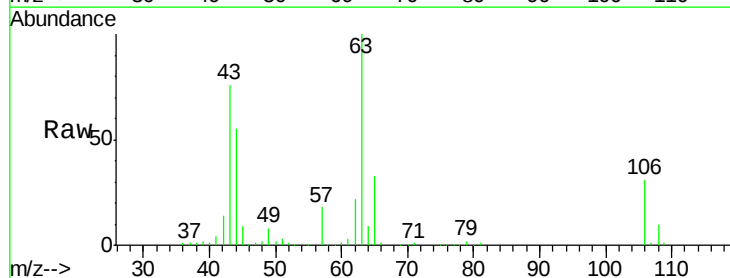
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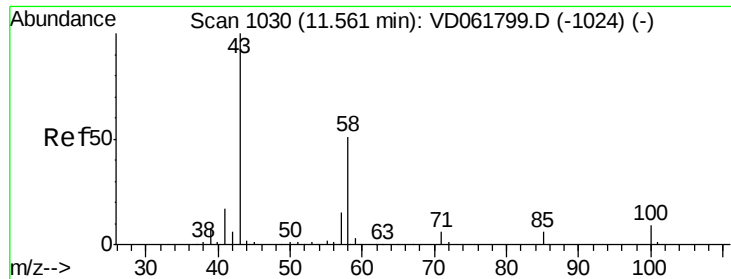
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 456.643 ug/l
 RT: 9.90 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion: 63 Resp: 1140969
 Ion Ratio Lower Upper
 63 100
 106 31.1 22.6 34.0





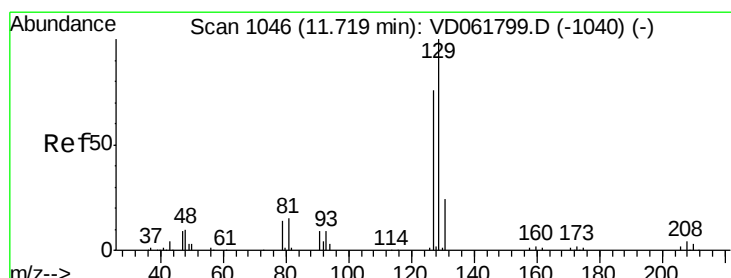
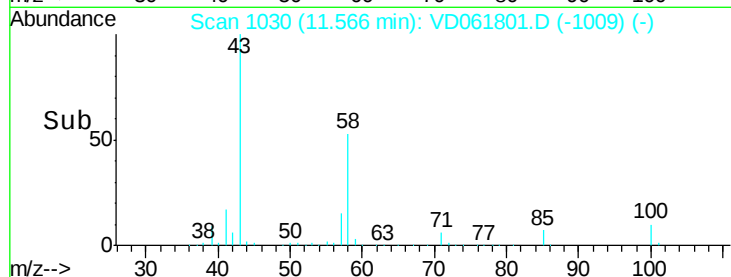
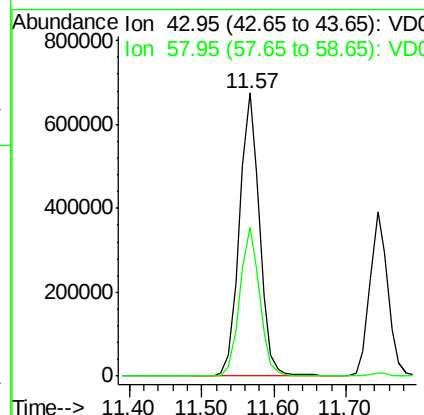
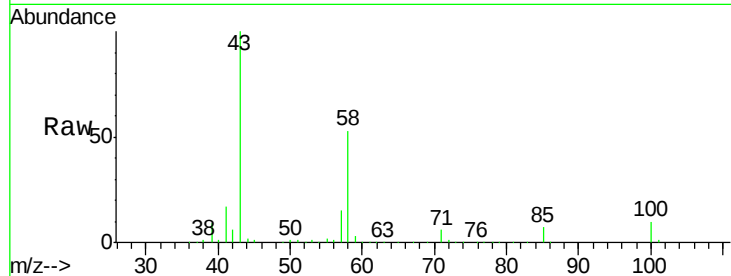
#59
2-Hexanone
Concen: 521.303 ug/l
RT: 11.57 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1316624
Ion Ratio Lower Upper
43 100
58 52.7 25.4 76.4

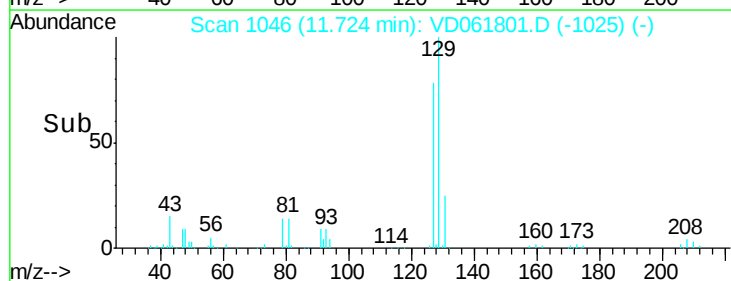
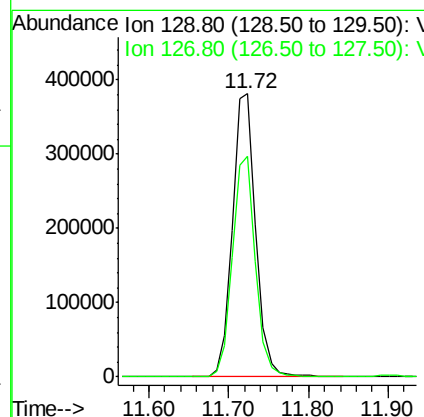
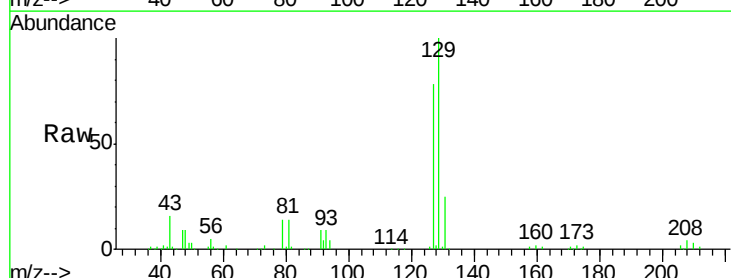
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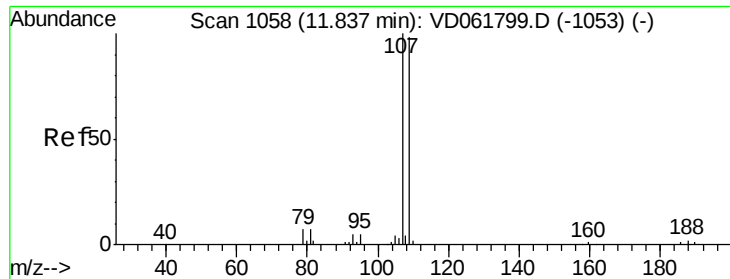
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#60
Dibromochloromethane
Concen: 100.132 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 129 Resp: 784184
Ion Ratio Lower Upper
129 100
127 77.8 38.0 113.9





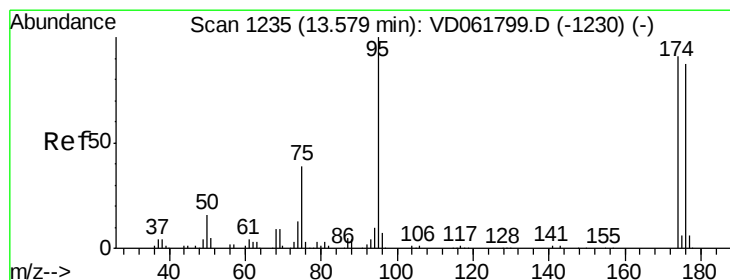
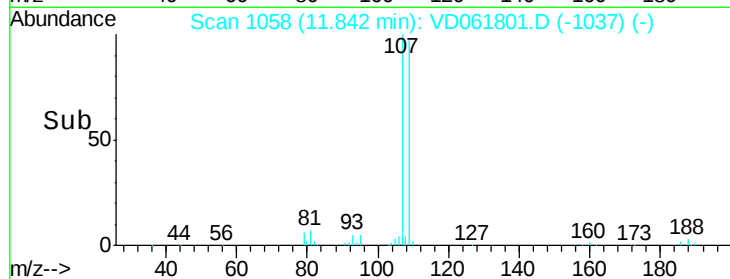
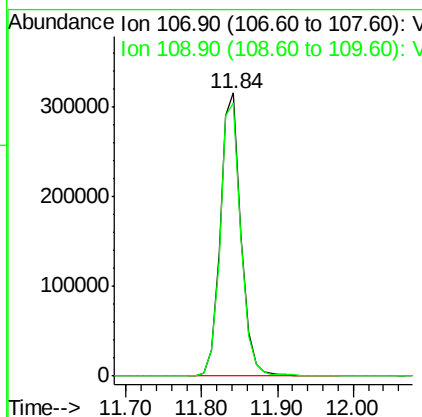
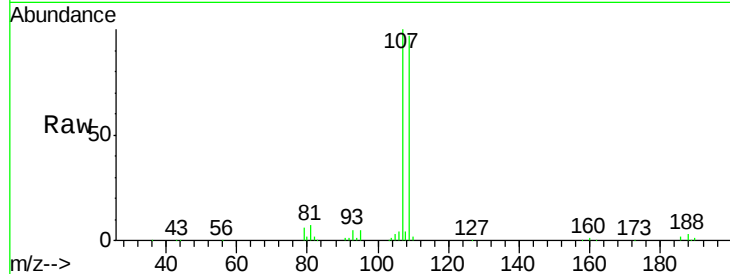
#61
 1,2-Dibromoethane
 Concen: 101.238 ug/l
 RT: 11.84 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	78.3	117.5

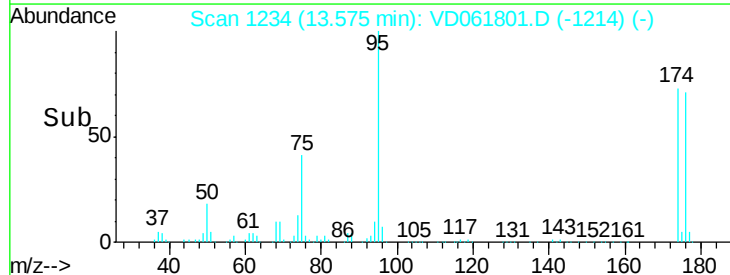
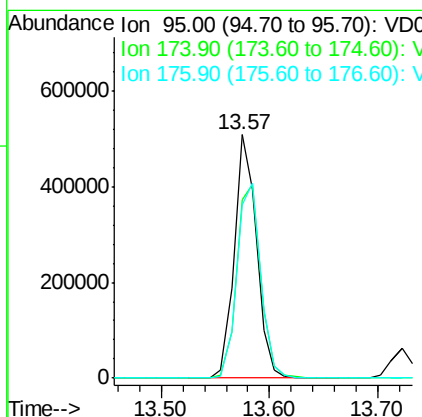
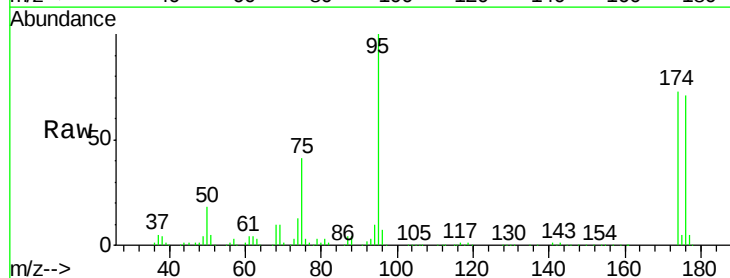
Manual Integrations
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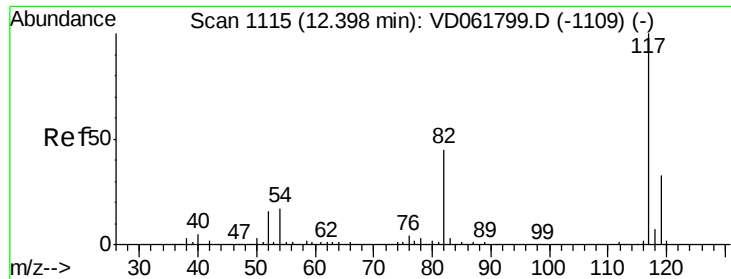
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 101.238 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	181.8
176	71.4	0.0	174.4





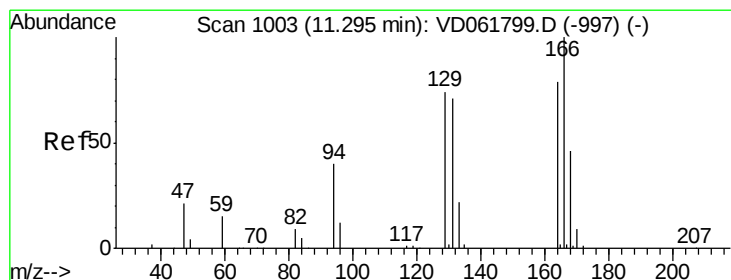
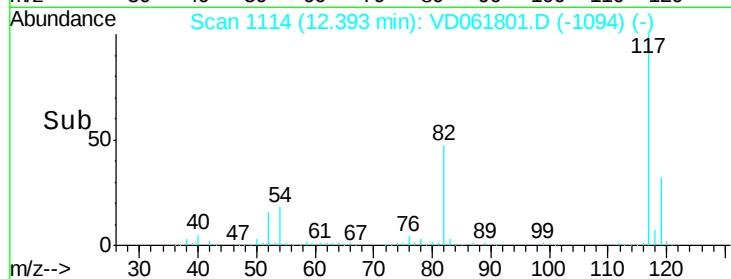
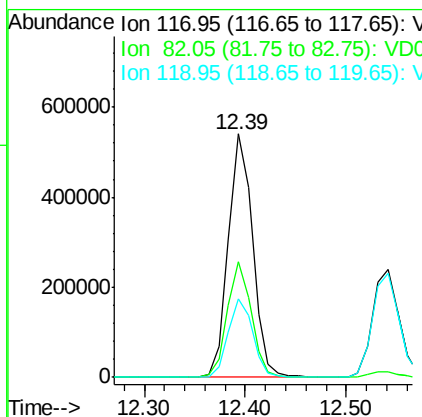
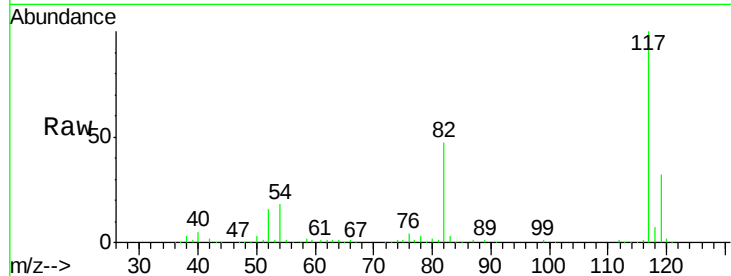
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.4	36.2	54.2
119	32.0	26.2	39.4

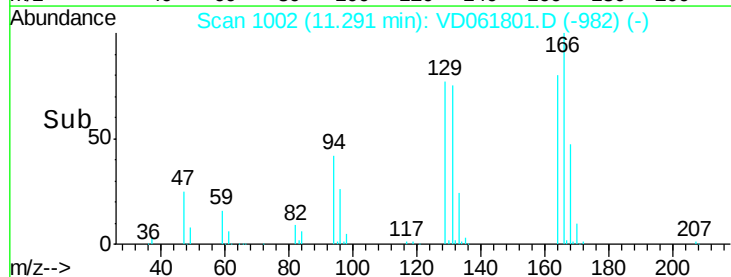
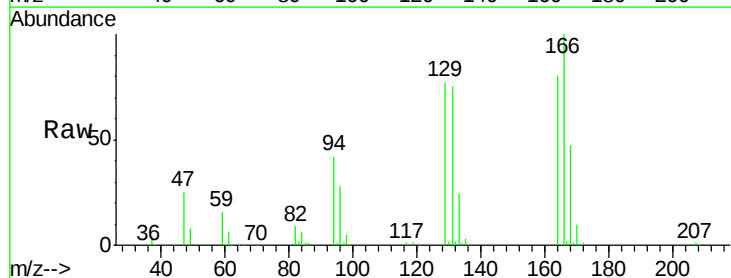
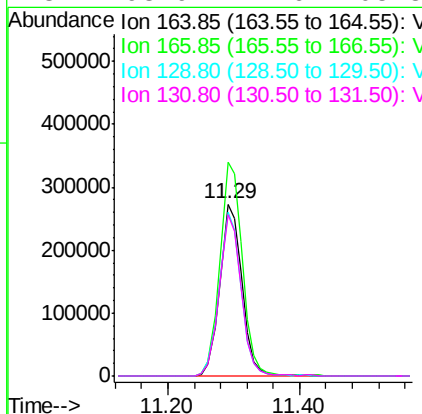
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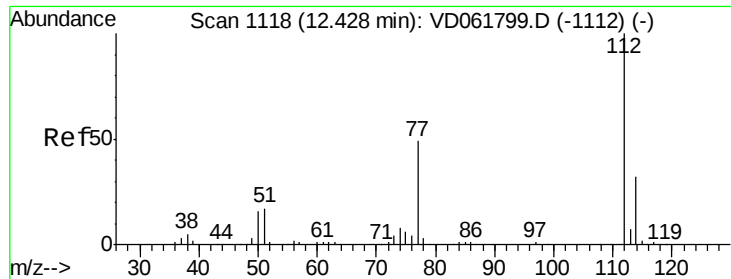
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#64
Tetrachloroethene
Concen: 94.139 ug/l
RT: 11.29 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.5	152.3
129	95.7	74.6	112.0
131	93.9	72.6	108.8





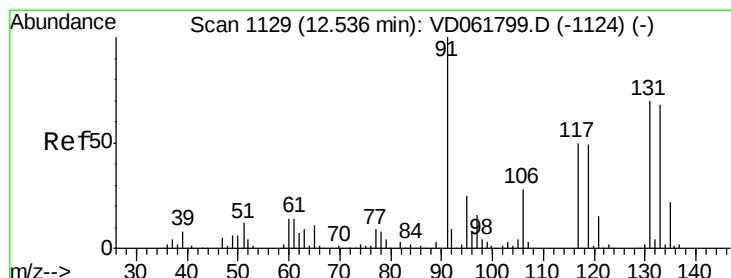
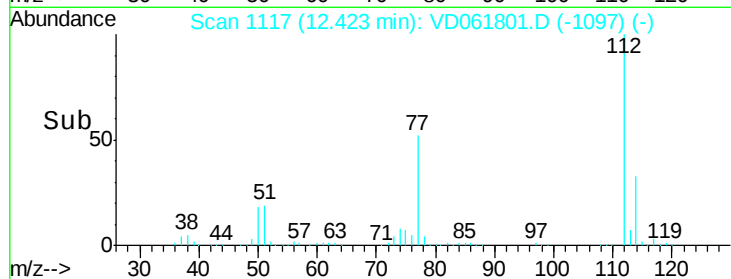
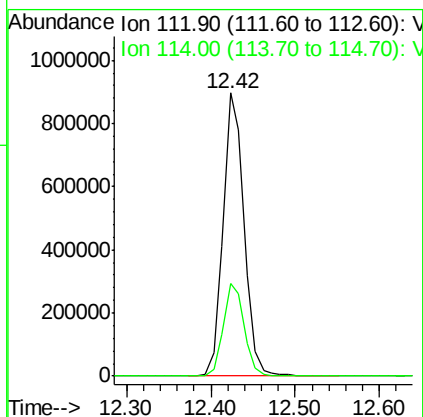
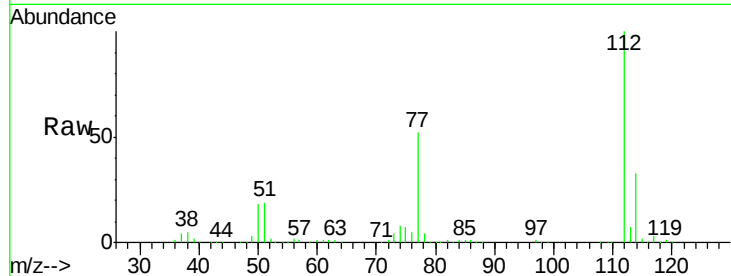
#65
Chlorobenzene
Concen: 91.324 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1538462
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8

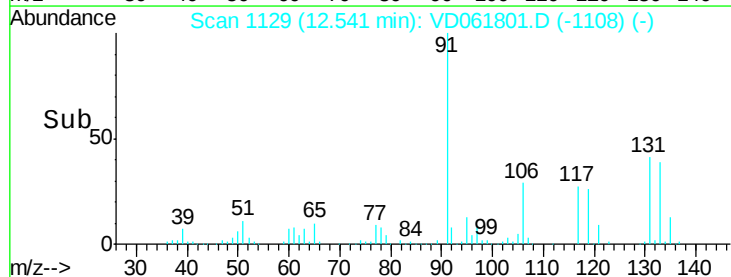
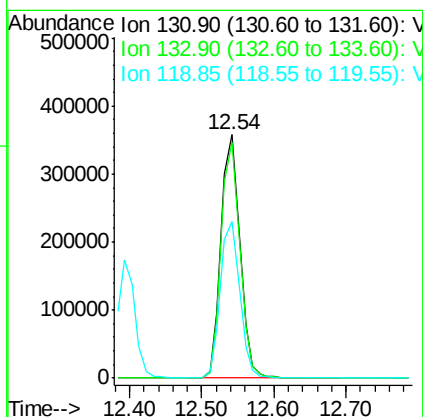
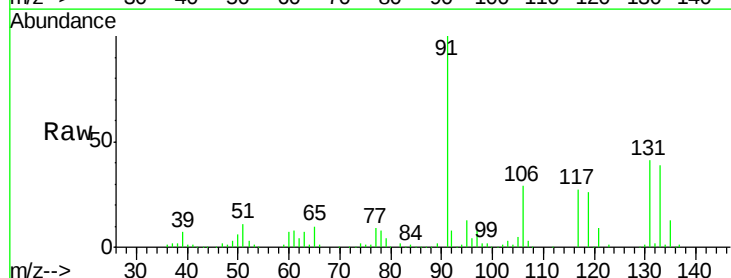
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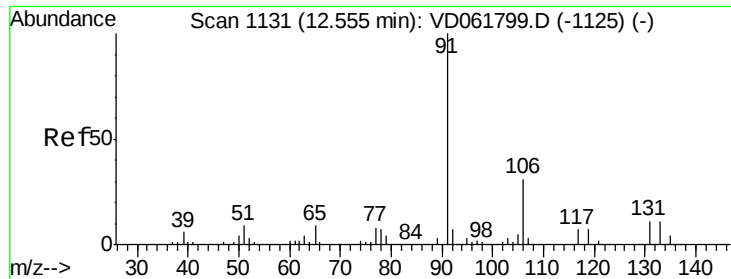
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#66
1,1,1,2-Tetrachloroethane
Concen: 92.393 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion:131 Resp: 652266
Ion Ratio Lower Upper
131 100
133 96.7 48.6 145.8
119 64.4 34.7 104.1





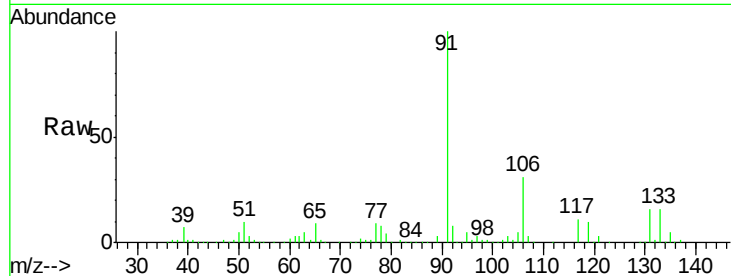
#67
Ethyl Benzene
Concen: 86.236 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

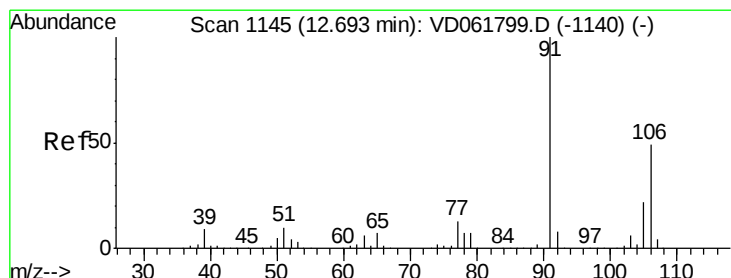
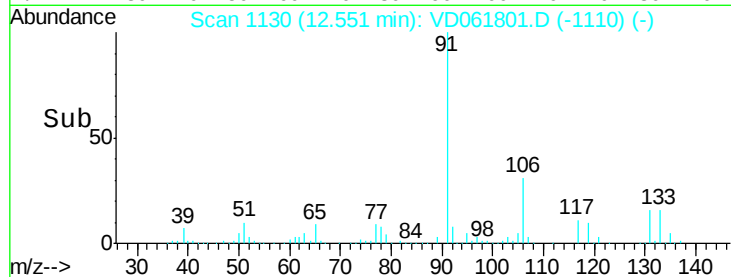
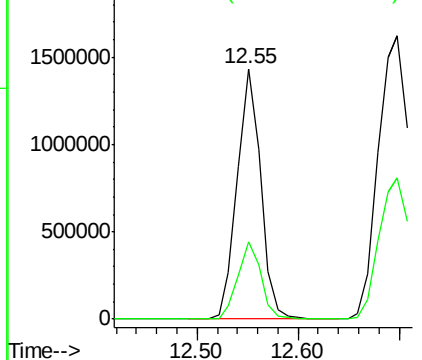
Tot Ion: 91 Resp: 2326506
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

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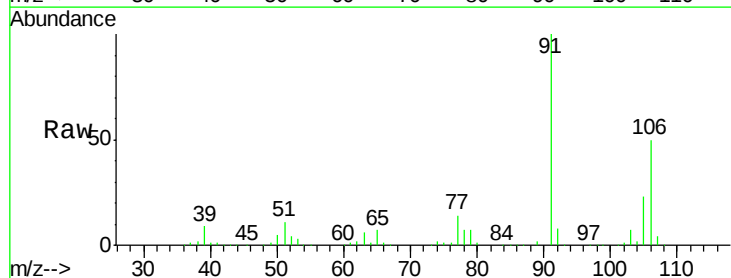


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

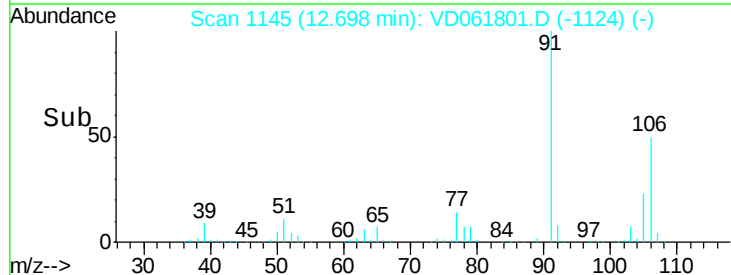
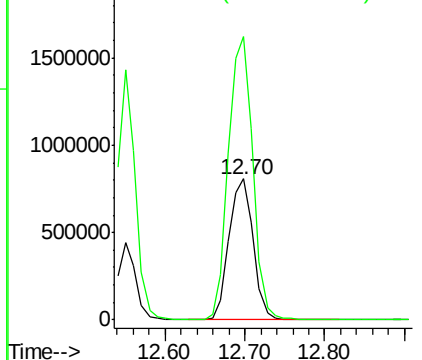


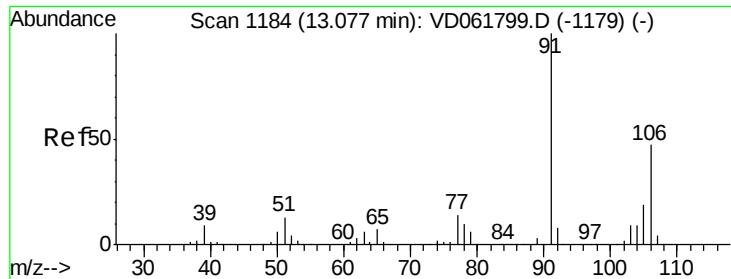
#68
m/p-Xylenes
Concen: 170.026 ug/l
RT: 12.70 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 106 Resp: 1723012
Ion Ratio Lower Upper
106 100
91 200.8 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





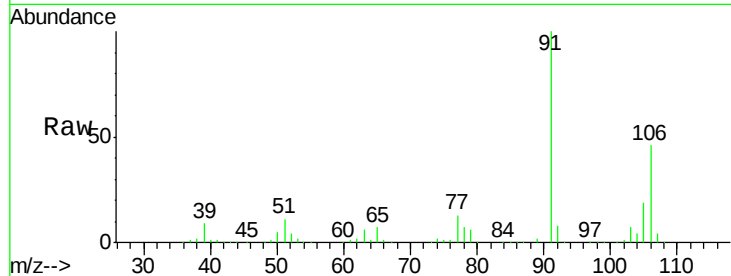
#69
o-Xylene
Concen: 94.627 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

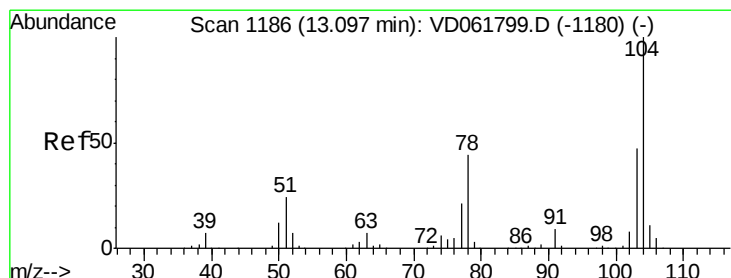
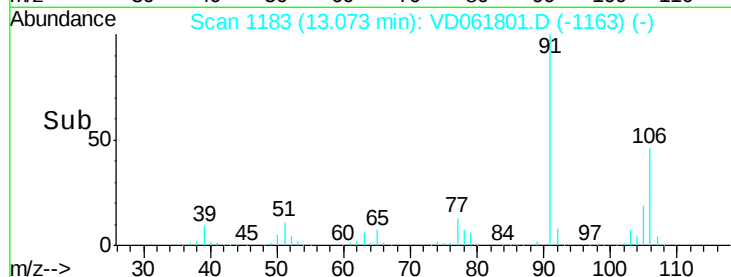
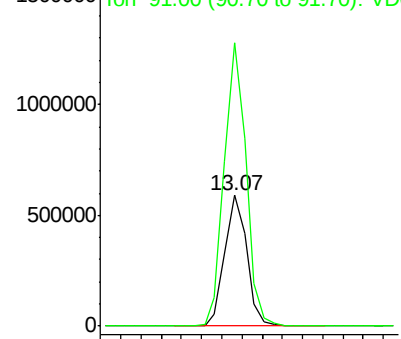
Tot Ion:106 Resp: 901320
Ion Ratio Lower Upper
106 100
91 216.2 106.7 319.9

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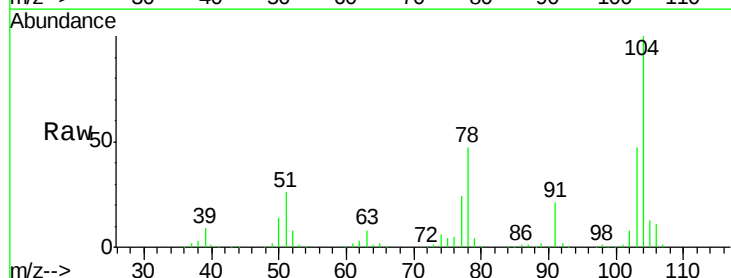


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

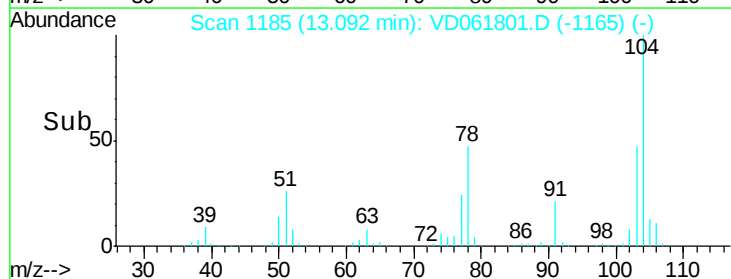
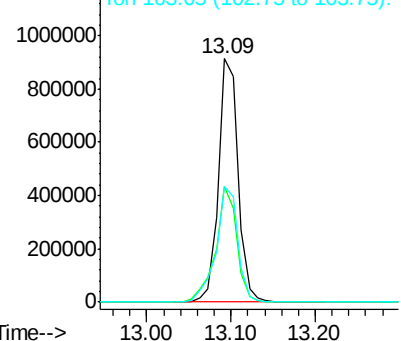


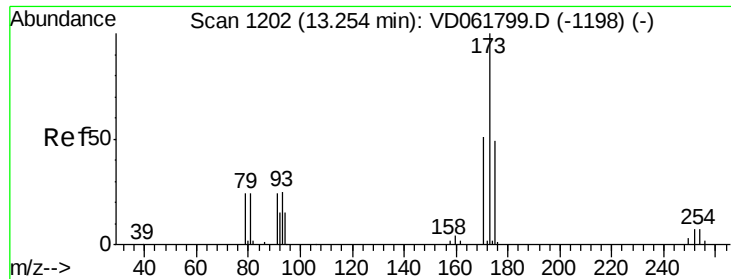
#70
Styrene
Concen: 90.007 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion:104 Resp: 1475319
Ion Ratio Lower Upper
104 100
78 47.5 35.4 53.2
103 47.4 37.5 56.3



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





#71

Bromoform

Concen: 113.147 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 474143

Ion Ratio Lower Upper

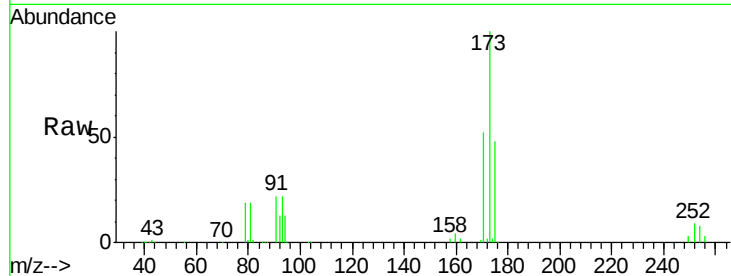
173 100

175 48.1 24.4 73.4

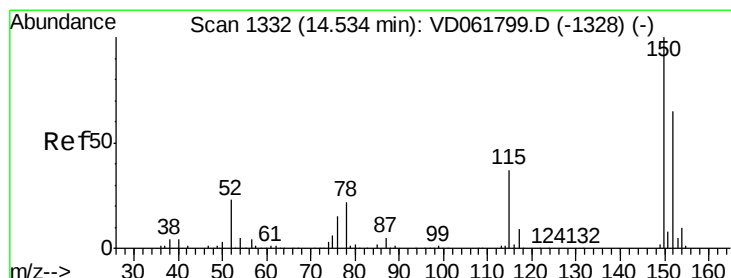
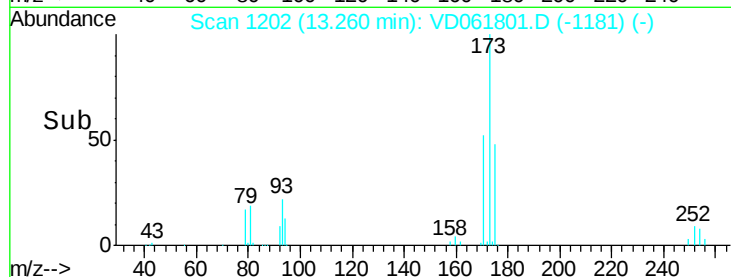
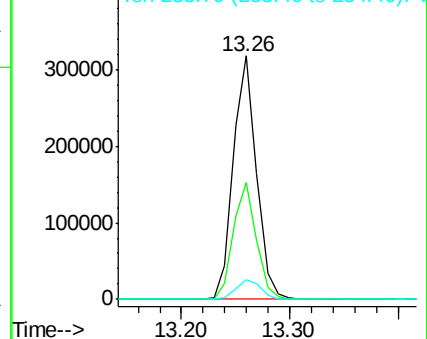
254 8.1 5.4 8.2

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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: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

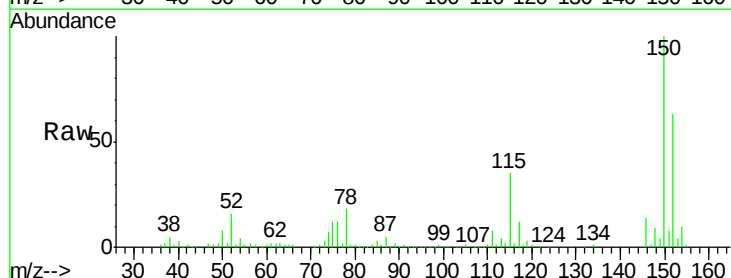
Tgt Ion:152 Resp: 377498

Ion Ratio Lower Upper

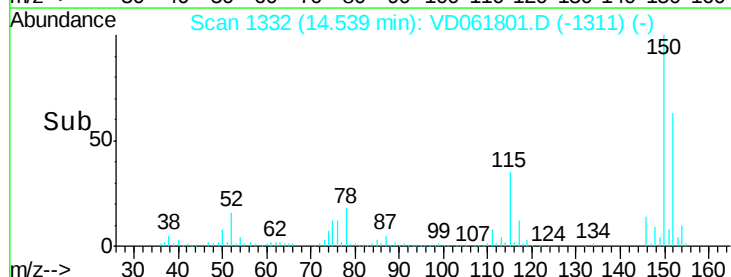
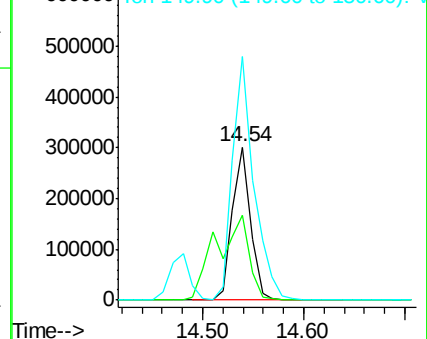
152 100

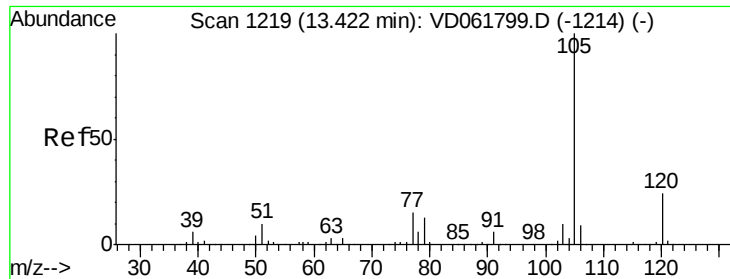
115 55.4 30.9 92.7

150 159.0 0.0 314.8



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: 100.072 ug/l

RT: 13.43 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2449973

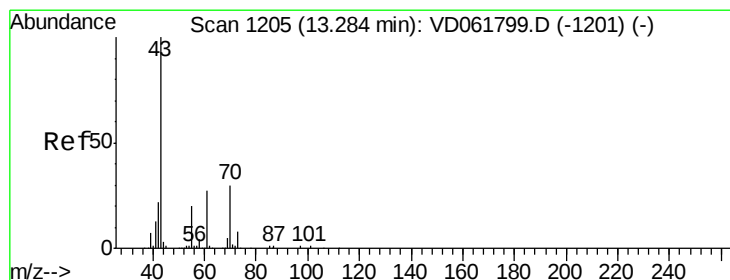
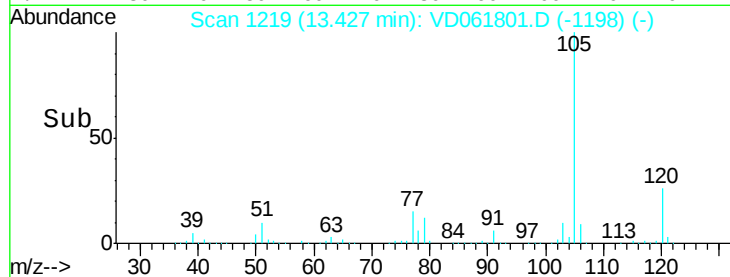
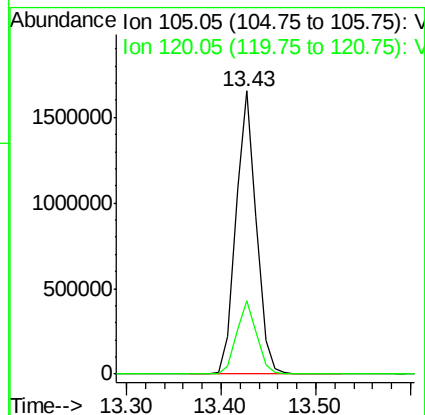
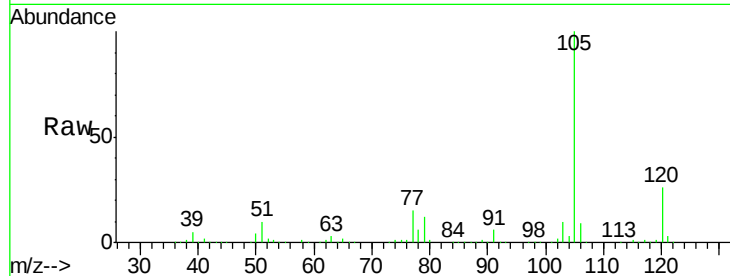
Ion Ratio Lower Upper

105 100

120 26.1 12.0 36.1

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#74

N-ethyl acetate

Concen: 116.867 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion: 43 Resp: 769372

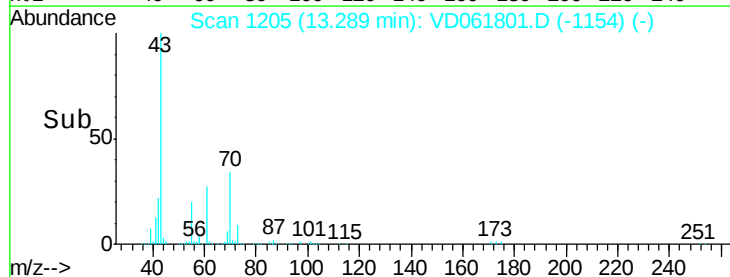
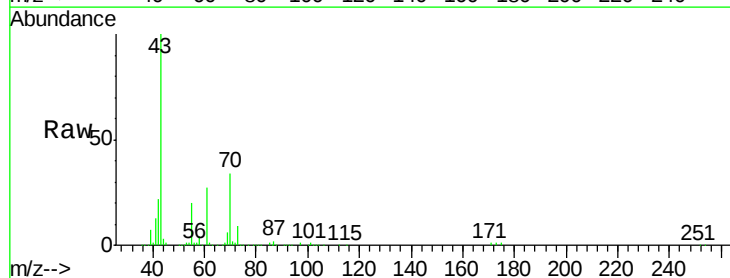
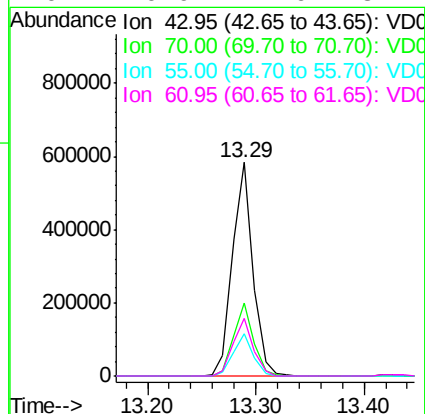
Ion Ratio Lower Upper

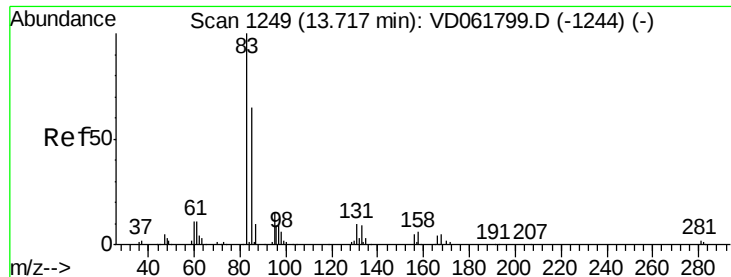
43 100

70 34.2 24.2 36.4

55 20.1 16.0 24.0

61 26.9 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 113.960 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

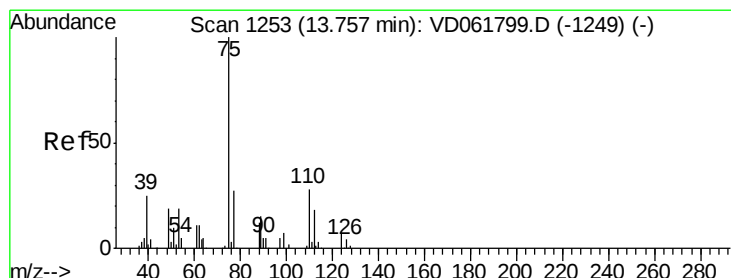
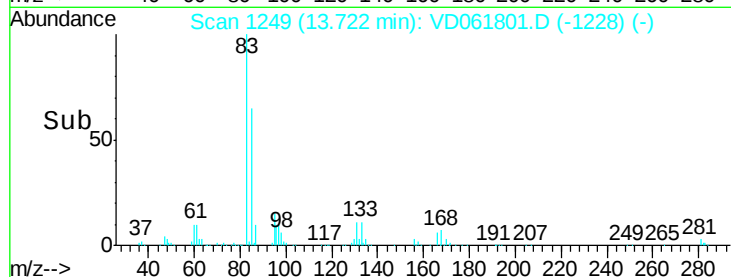
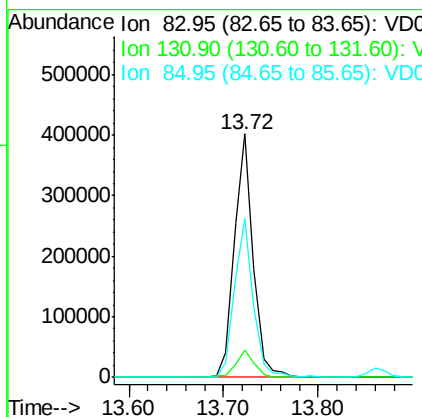
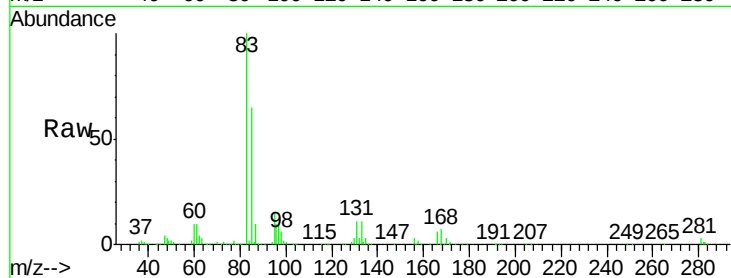
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	551482
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.0	14.9
85	65.1	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 103.256 ug/l

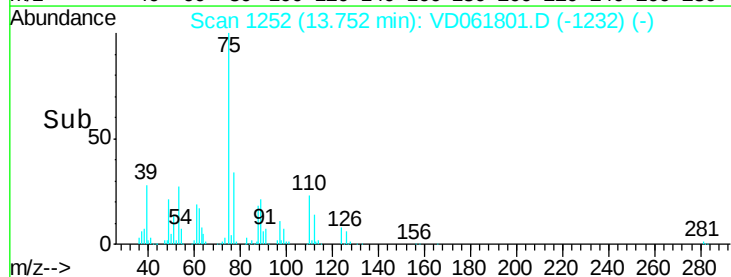
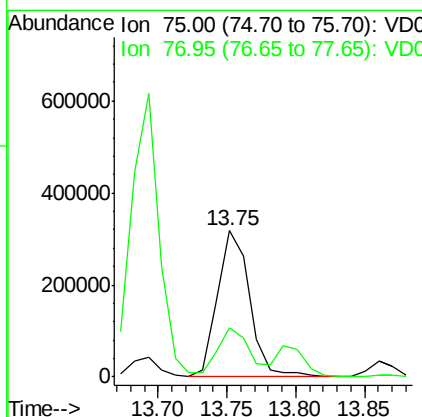
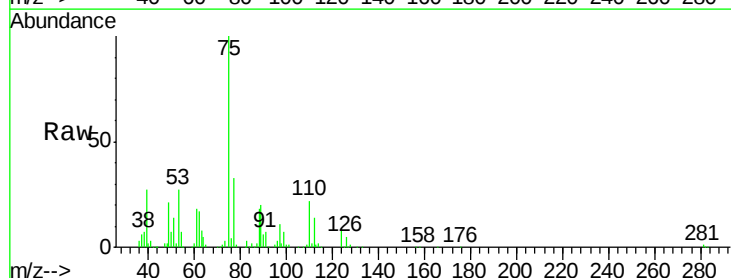
RT: 13.75 min Scan# 1252

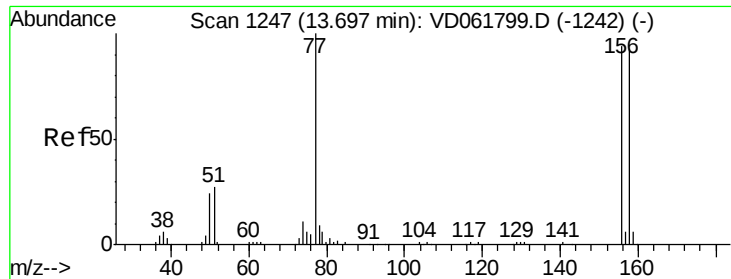
Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	75	Resp:	511895
Ion Ratio	Lower	Upper	
75	100		
77	33.2	16.4	49.4





#77

Bromobenzene

Concen: 101.526 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

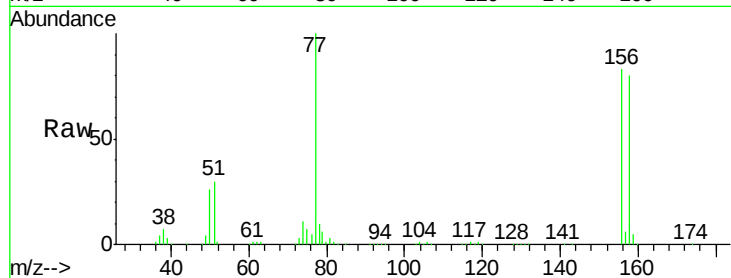
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		706056		
77	120.6	53.1	159.4		
158	96.2	49.4	148.0		

Manual Integrations
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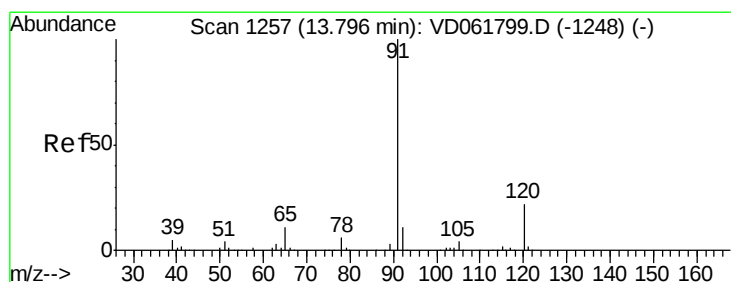
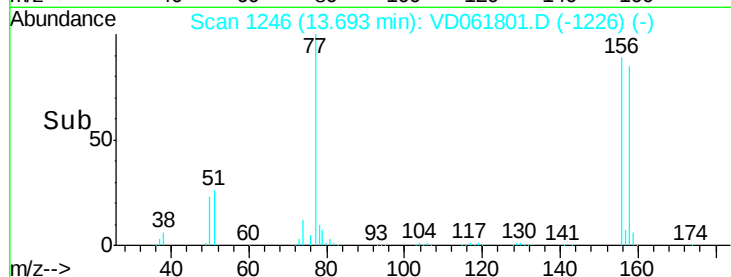
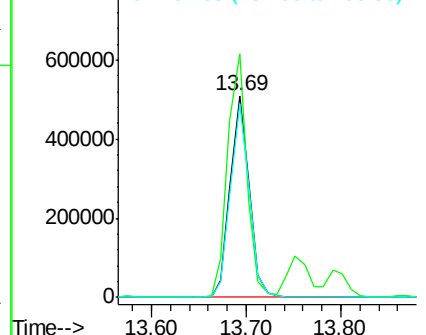
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 90.844 ug/l

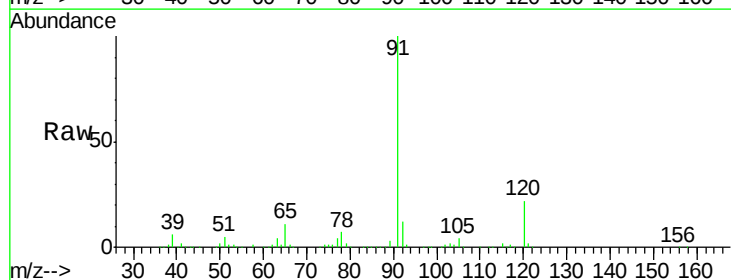
RT: 13.79 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VD061801.D

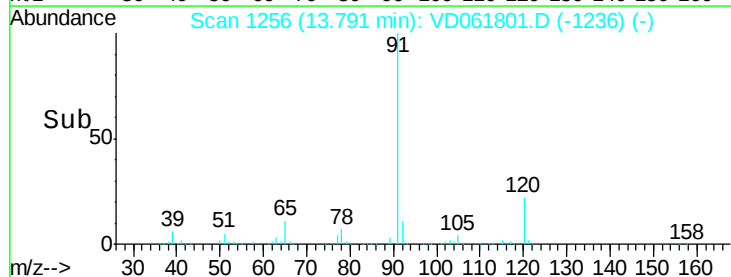
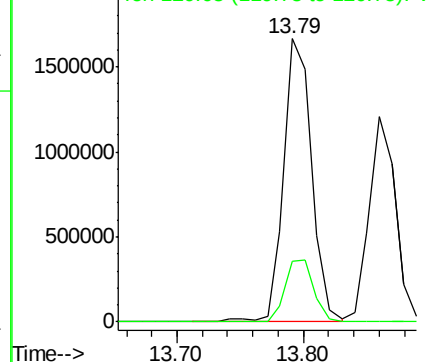
Acq: 15 Apr 2019 15:04

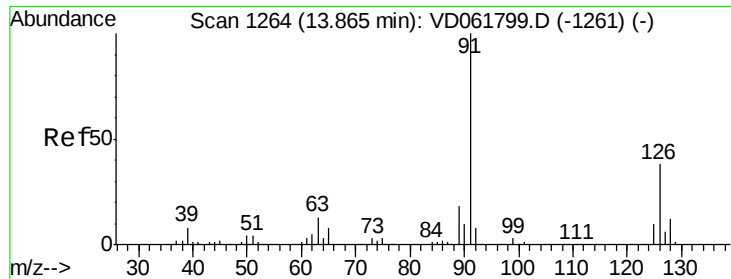
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2569572		
120	21.6	11.1	33.1		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 106.808 ug/l

RT: 13.86 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1754447

Ion Ratio Lower Upper

91 100

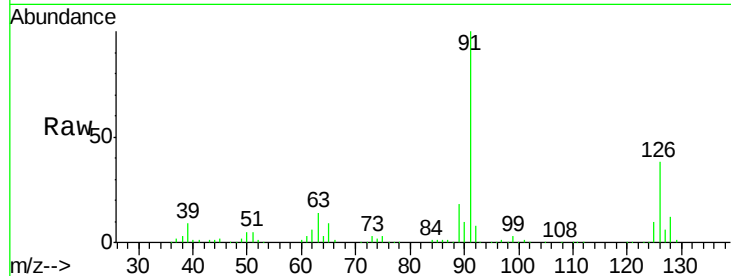
126 37.7 18.6 55.8

Manual Integrations

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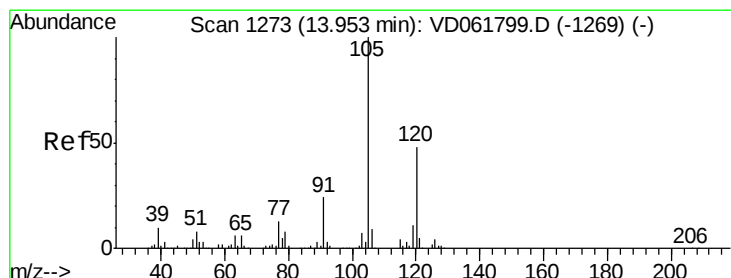
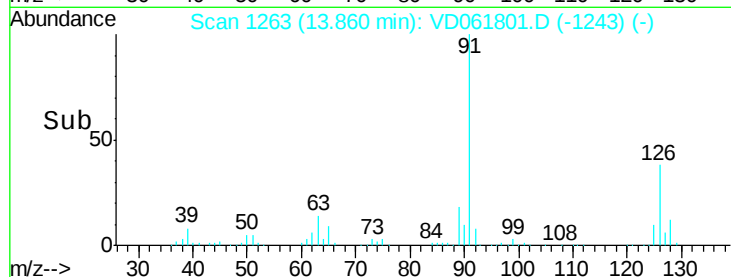
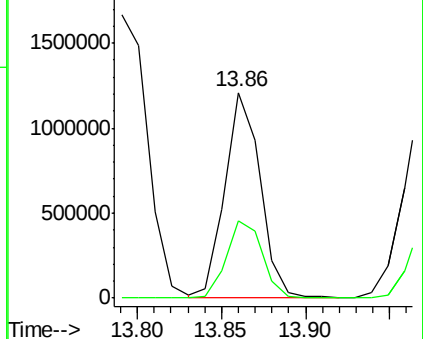
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 92.702 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061801.D

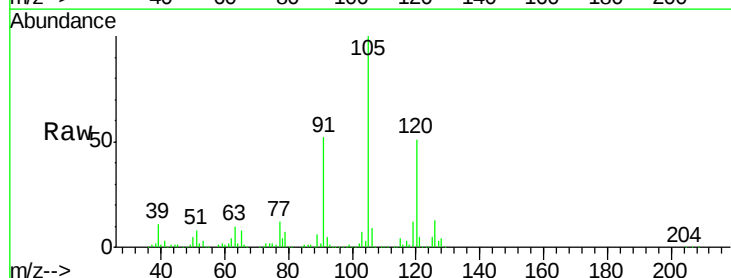
Acq: 15 Apr 2019 15:04

Tgt Ion:105 Resp: 1800793

Ion Ratio Lower Upper

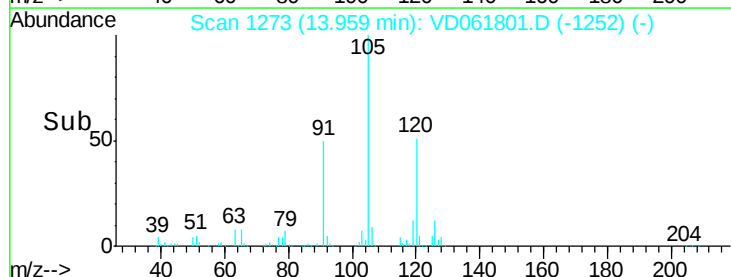
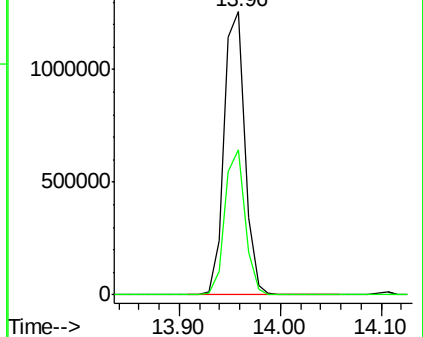
105 100

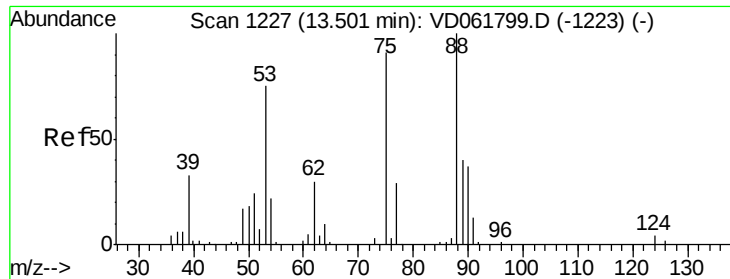
120 51.2 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





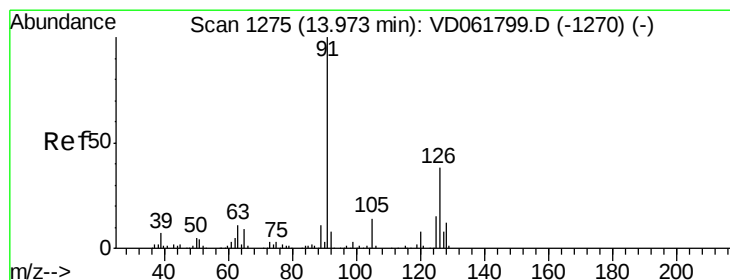
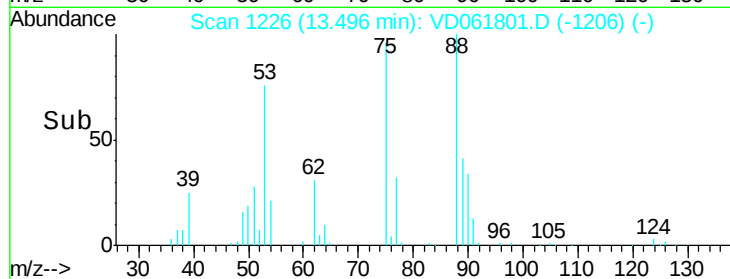
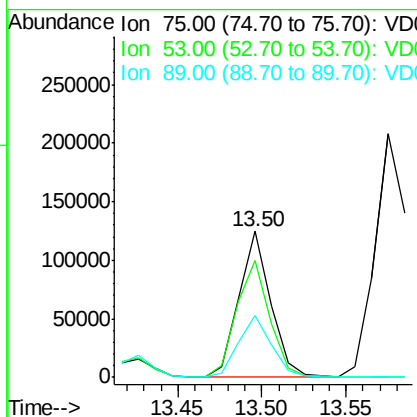
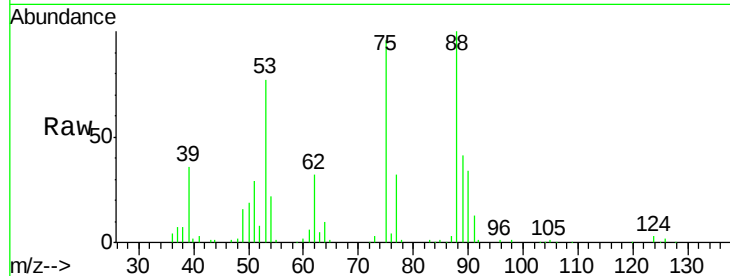
#81
trans-1,4-Dichloro-2-butene
Concen: 116.369 ug/l
RT: 13.50 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.0	65.8	98.8
89	42.6	35.0	52.6

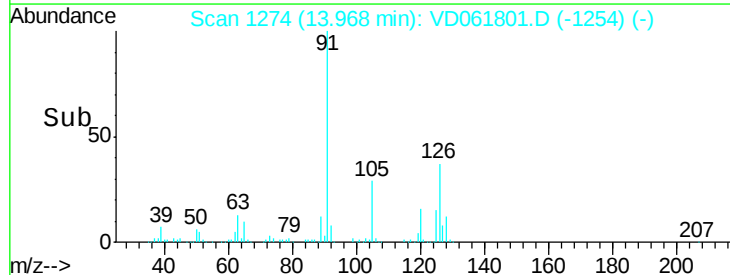
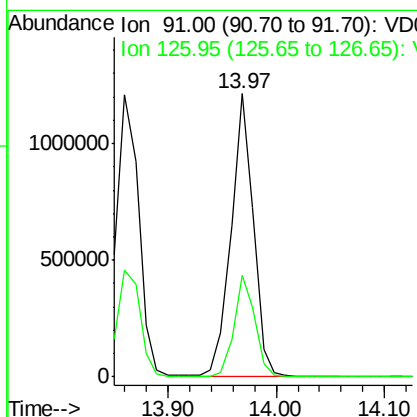
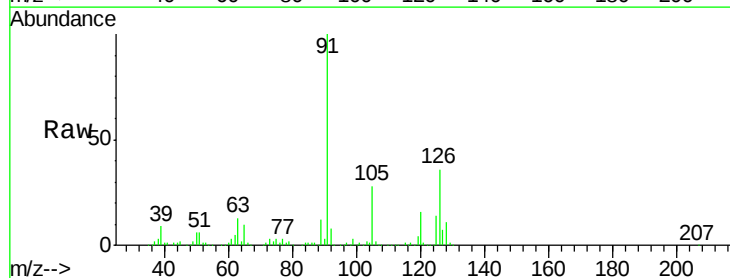
Manual Integrations
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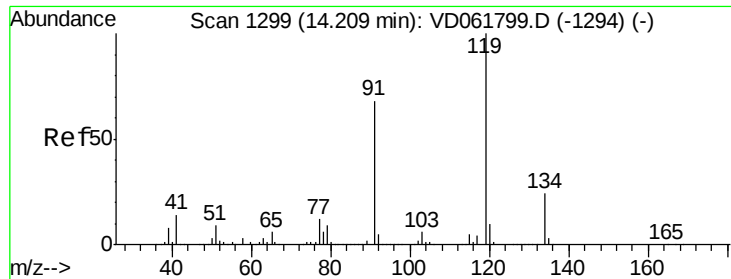
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#82
4-Chlorotoluene
Concen: 92.191 ug/l
RT: 13.97 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	19.1	57.5





#83

tert-Butylbenzene

Concen: 98.539 ug/l

RT: 14.21 min Scan# 1299

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 2247595

Ion Ratio Lower Upper

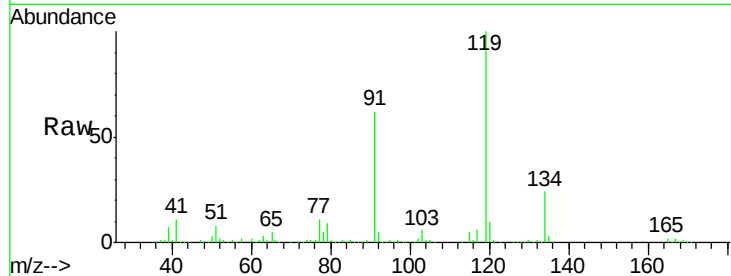
119 100

91 61.5 34.2 102.6

134 23.6 12.0 36.0

Manual Integrations
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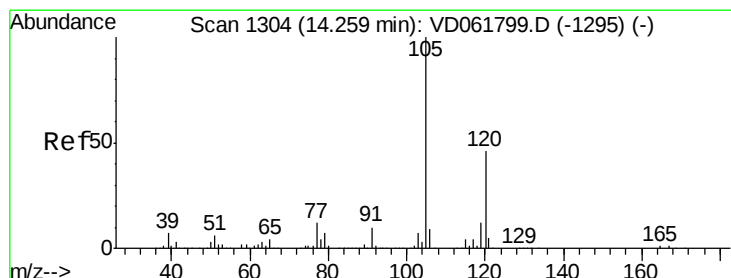
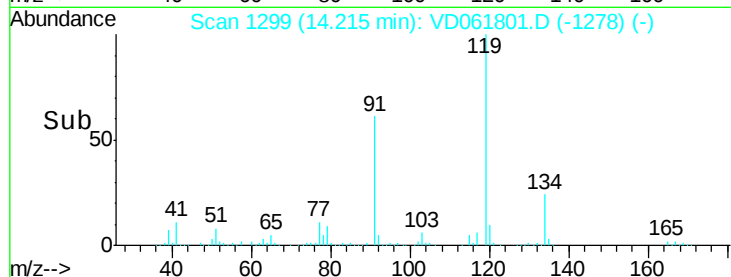
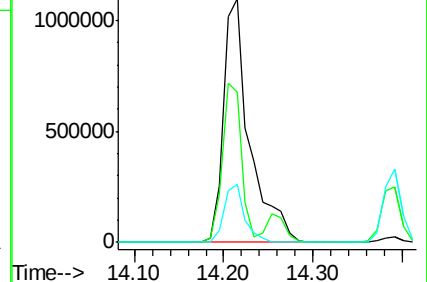
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 91.342 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VD061801.D

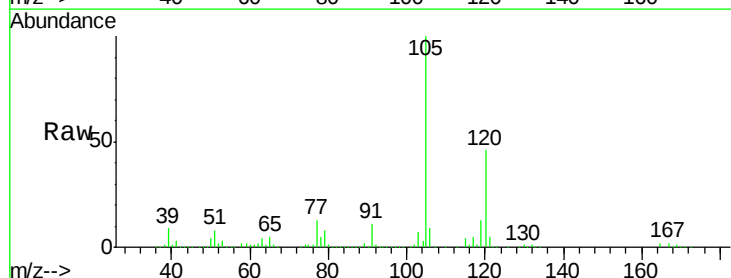
Acq: 15 Apr 2019 15:04

Tgt Ion:105 Resp: 1783580

Ion Ratio Lower Upper

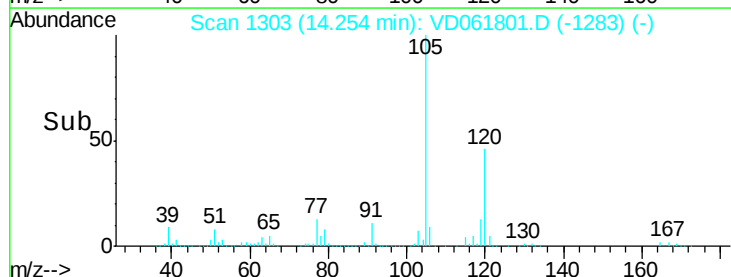
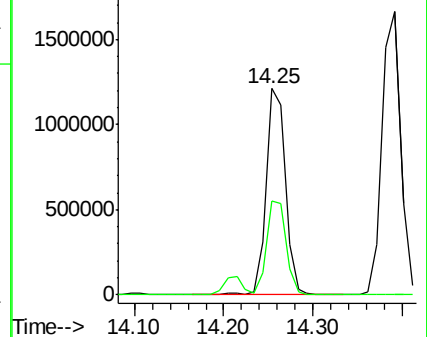
105 100

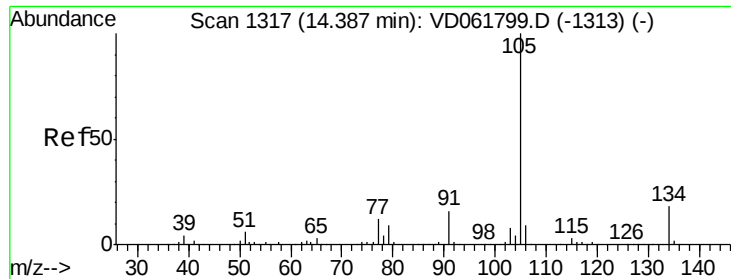
120 45.7 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





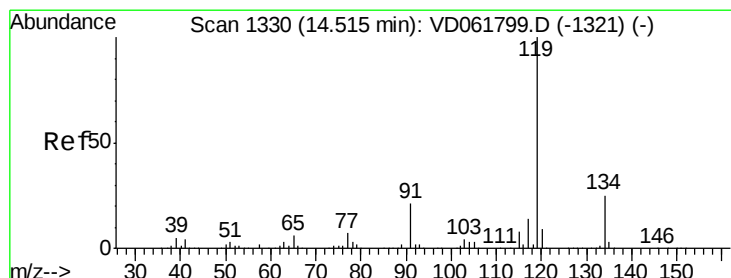
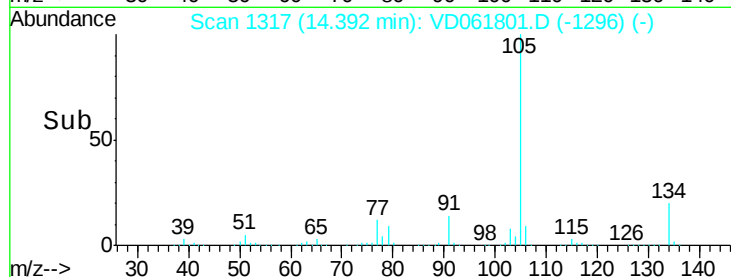
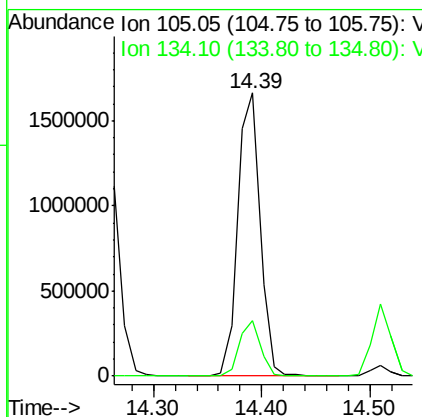
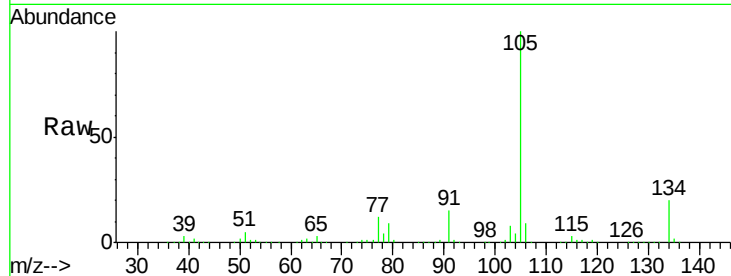
#85
 sec-Butylbenzene
 Concen: 100.976 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2380948
 Ion Ratio Lower Upper
 105 100
 134 19.8 8.9 26.7

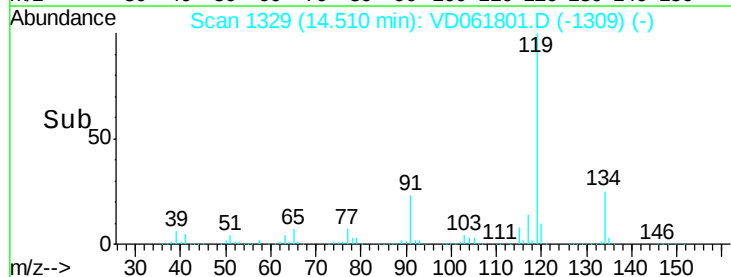
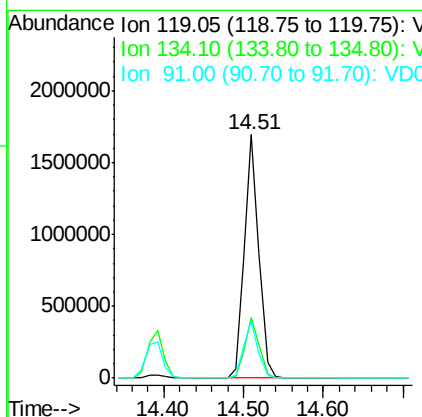
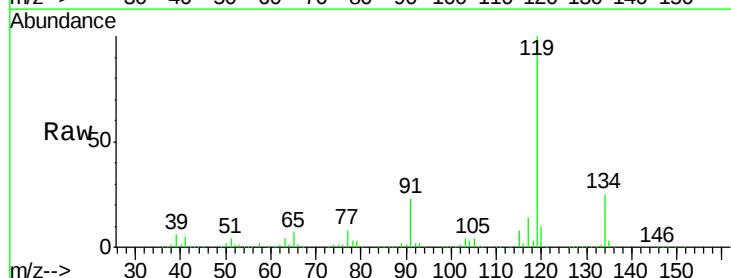
Manual Integrations
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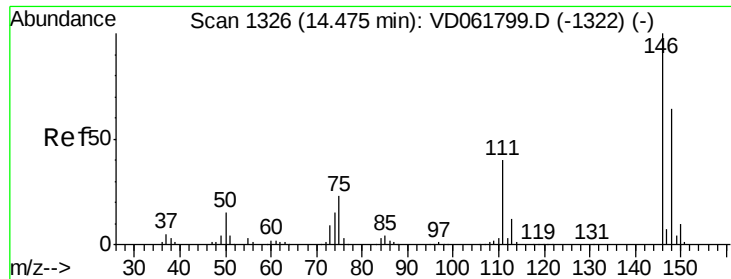
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#86
 p-Isopropyltoluene
 Concen: 96.173 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion:119 Resp: 2121762
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 23.2 10.7 32.1





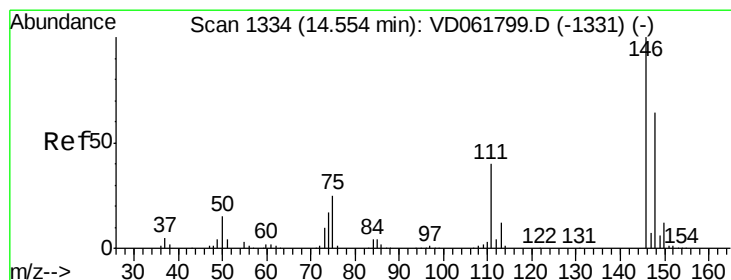
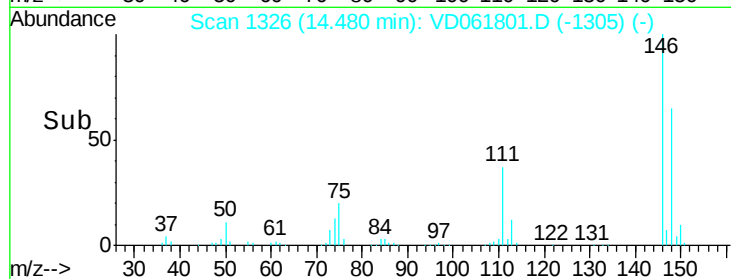
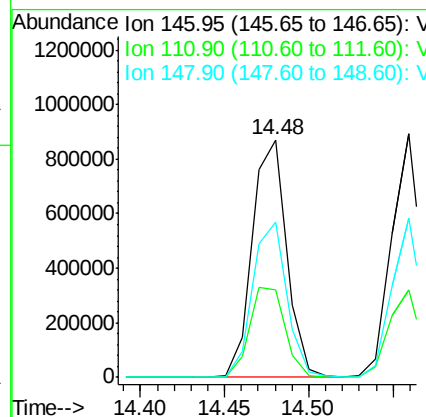
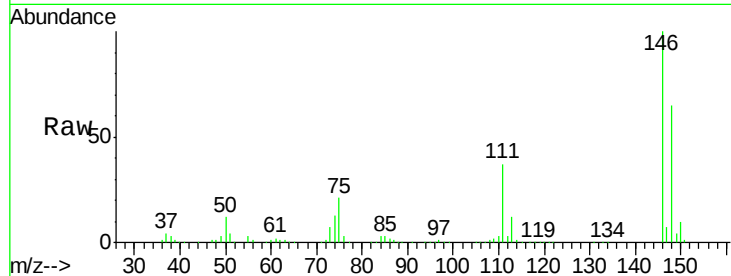
#87
 1,3-Dichlorobenzene
 Concen: 101.683 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1234509
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.0 60.0
 148 65.4 31.8 95.4

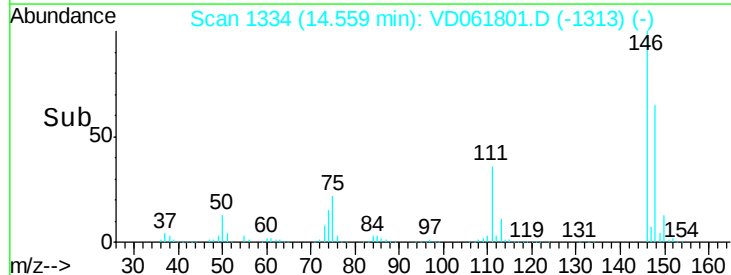
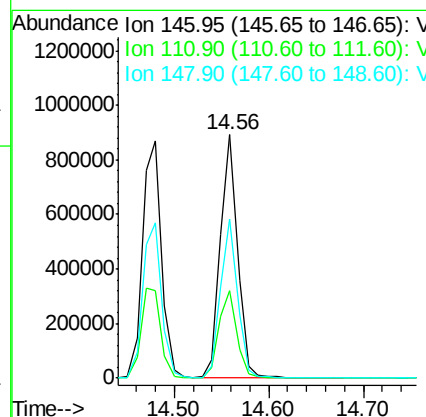
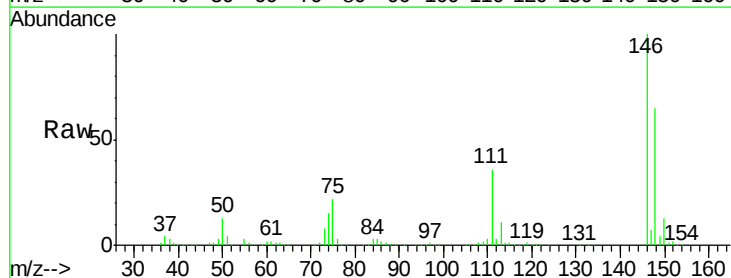
Manual Integrations
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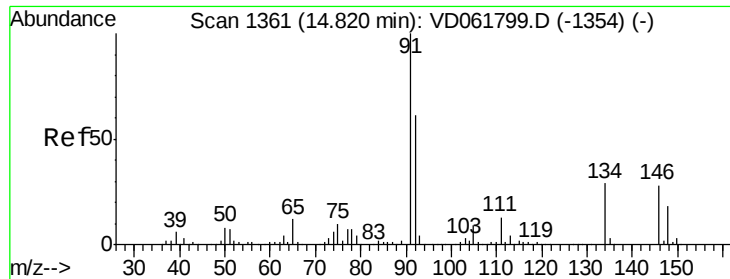
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#88
 1,4-Dichlorobenzene
 Concen: 94.303 ug/l
 RT: 14.56 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion:146 Resp: 1131760
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.2 60.5
 148 65.3 32.0 96.2





#89

n-Butylbenzene

Concen: 83.106 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1622957

Ion Ratio Lower Upper

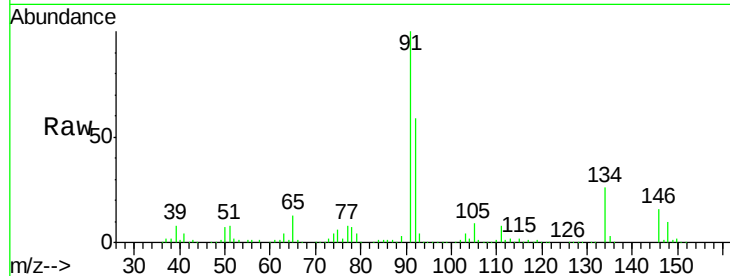
91 100

92 59.3 30.3 91.0

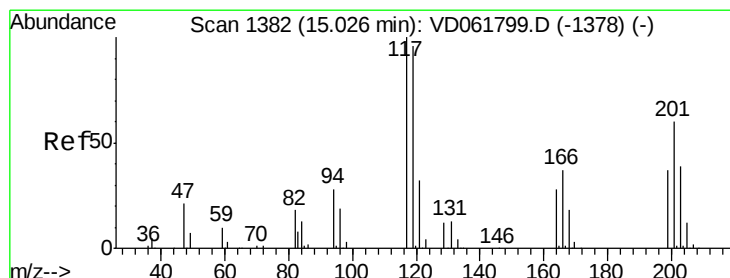
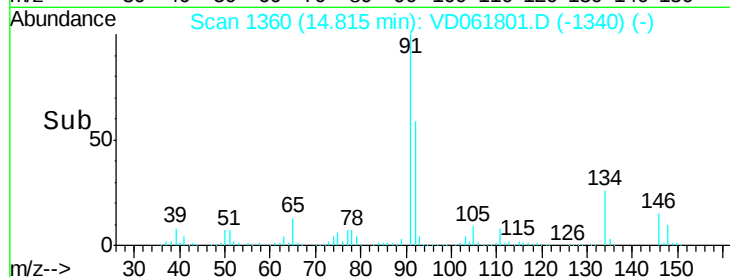
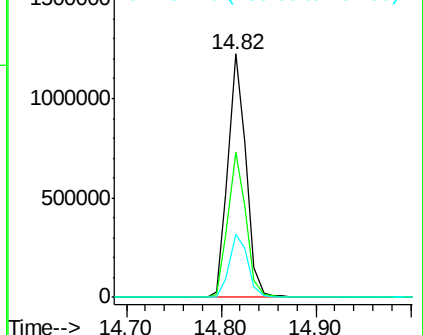
134 25.8 14.5 43.6

Manual Integrations
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4/16/2019 3:13:02 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 98.192 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VD061801.D

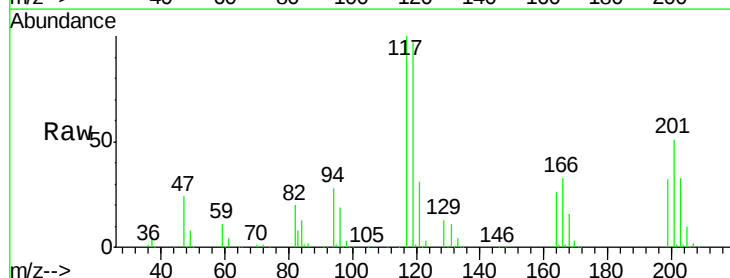
Acq: 15 Apr 2019 15:04

Tgt Ion: 117 Resp: 590450

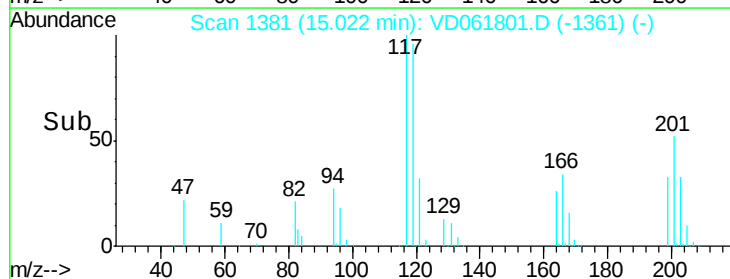
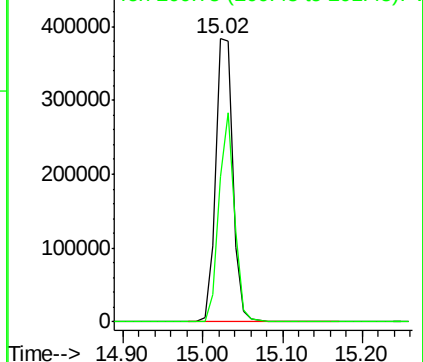
Ion Ratio Lower Upper

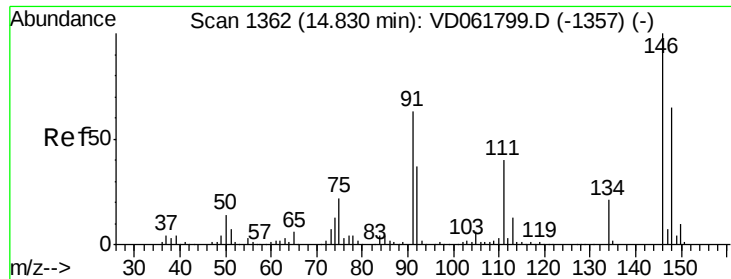
117 100

201 51.3 30.2 90.6



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





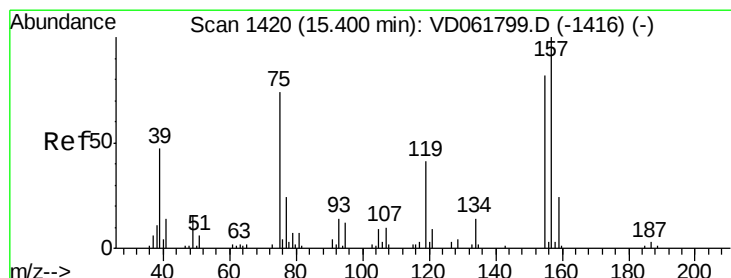
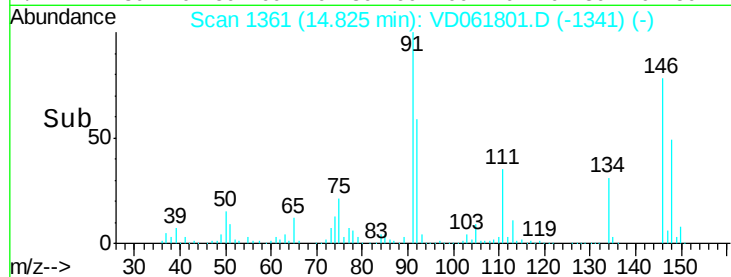
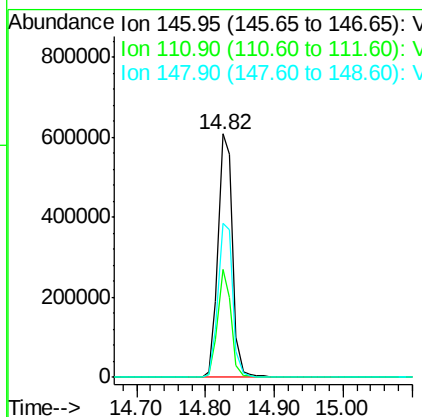
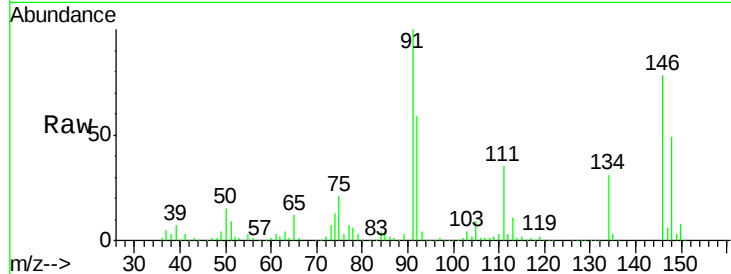
#91
 1,2-Dichlorobenzene
 Concen: 87.647 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	20.0	59.9
148	63.4	32.3	96.8

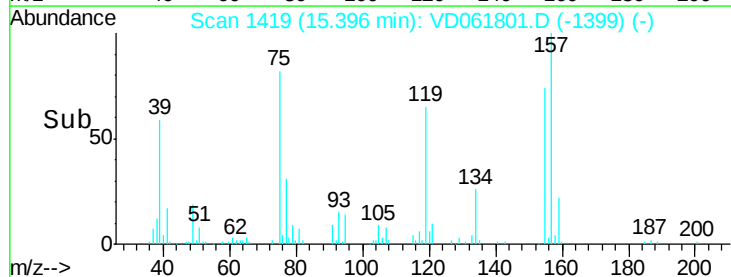
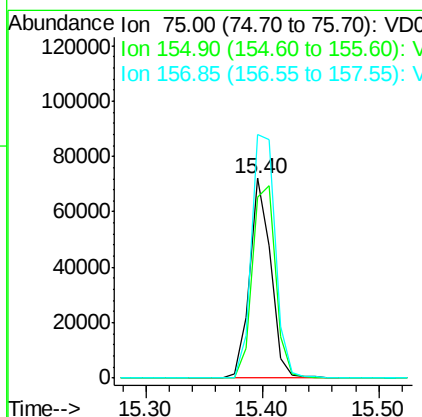
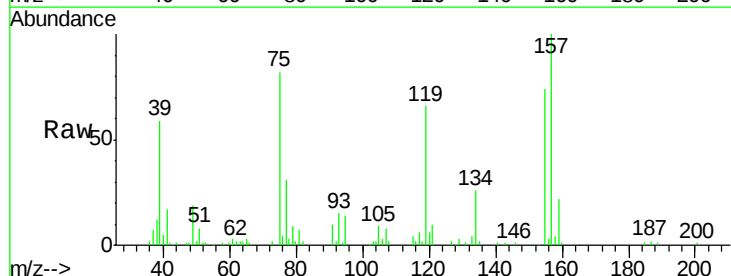
Manual Integrations
 APPROVED

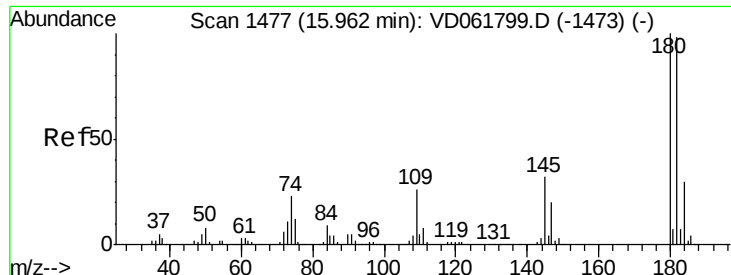
MMDadoda
 4/16/2019 3:13:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 134.417 ug/l
 RT: 15.40 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	55.3	165.8
157	121.9	67.8	203.2





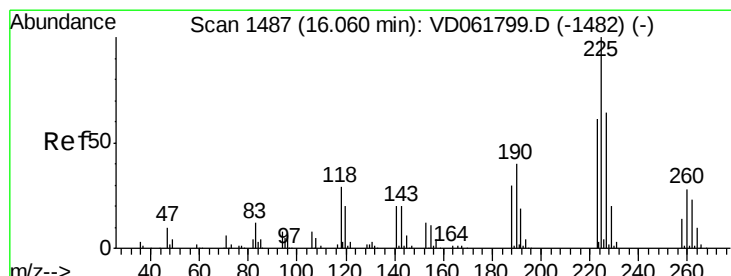
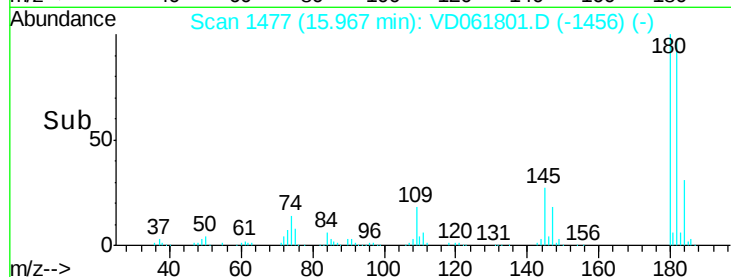
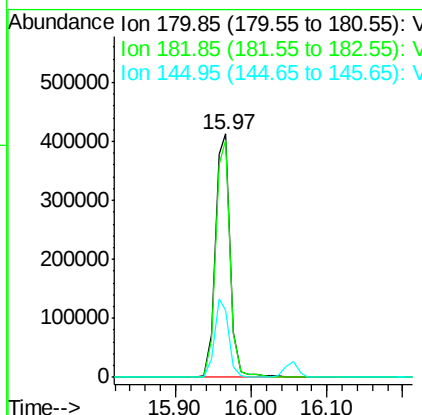
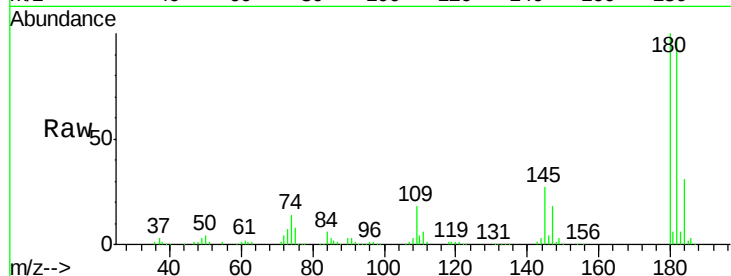
#93
 1,2,4-Trichlorobenzene
 Concen: 103.227 ug/l
 RT: 15.97 min Scan# 1477
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	576576		
182	97.2	49.3	147.8	
145	27.4	16.2	48.6	

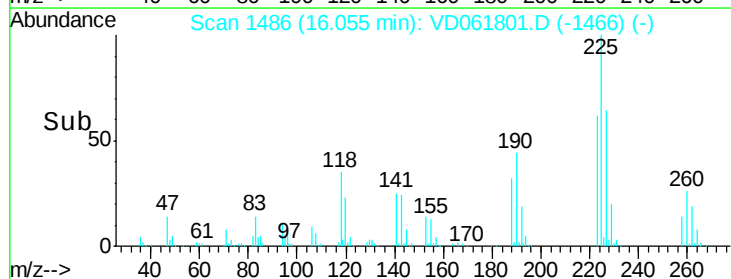
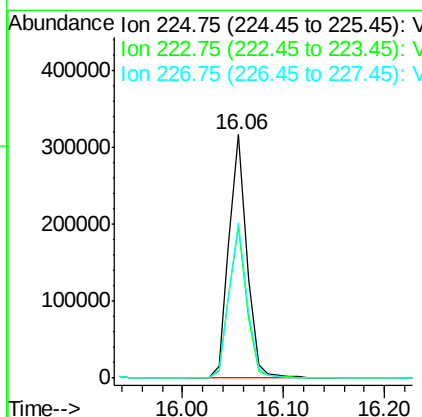
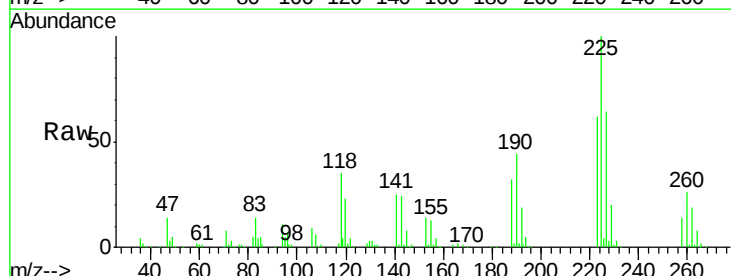
Manual Integrations
 APPROVED

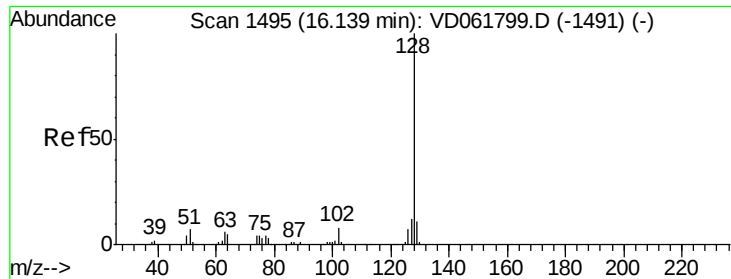
MMDadoda
 4/16/2019 3:13:02 PM



#94
 Hexachlorobutadiene
 Concen: 97.057 ug/l
 RT: 16.06 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	392861		
223	62.3	30.6	92.0	
227	64.0	32.0	96.2	





#95

Naphthalene

Concen: 103.682 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

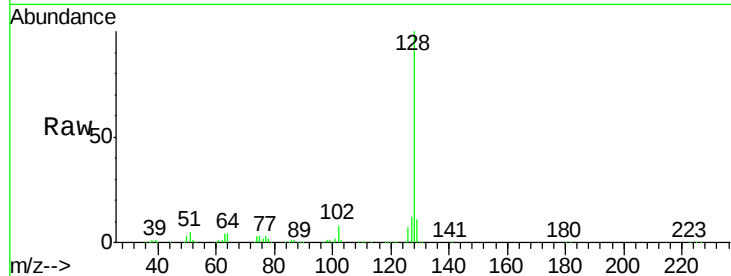
ClientSampleId :

VSTDIC100

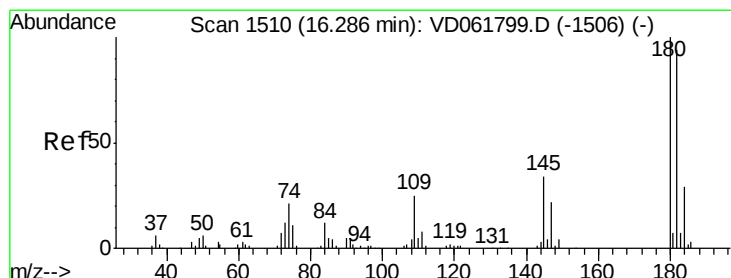
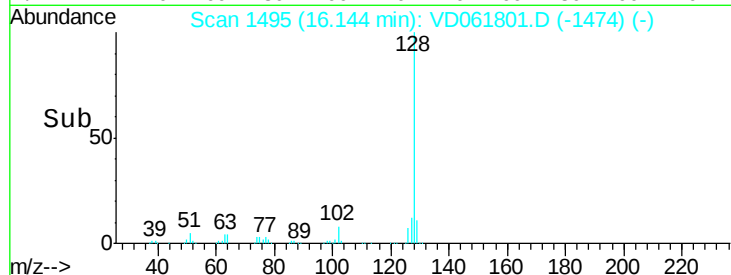
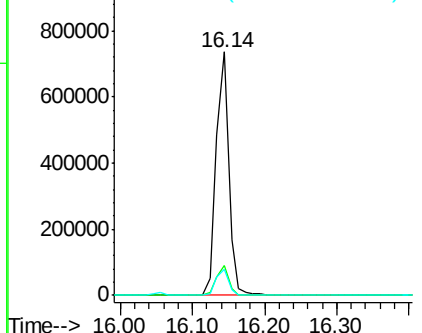
Tot Ion:	128	Resp:	887630
Ion Ratio	Lower	Upper	
128	100		
127	12.3	9.8	14.8
129	10.7	8.8	13.2

Manual Integrations
APPROVED

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4/16/2019 3:13:02 PM



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: 91.928 ug/l

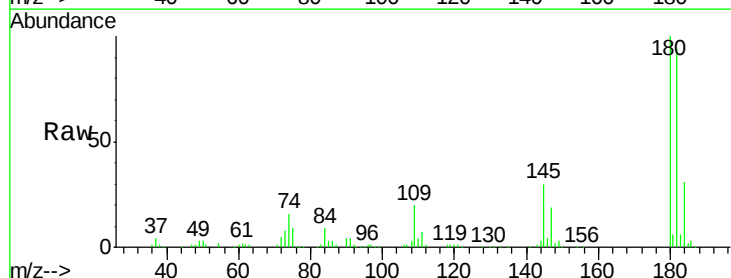
RT: 16.29 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion:	180	Resp:	292606
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.0	141.0
145	29.6	17.0	51.0



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

