

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061640.D
 Acq On : 6 Apr 2019 13:30
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 2:57:27 AM

Quant Time: Apr 08 07:24:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	750216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1316975	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	977308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	460681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	389916	70.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.14%	
35) Dibromofluoromethane	6.92	113	612654	68.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.12%	
50) Toluene-d8	10.41	98	1435439	65.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.66%	
62) 4-Bromofluorobenzene	13.55	95	510532	60.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	549614	69.819	ug/l	99
3) Chloromethane	1.76	50	447346	70.426	ug/l	96
4) Vinyl Chloride	1.85	62	440551	72.201	ug/l	98
5) Bromomethane	2.15	94	80430	58.825	ug/l	99
6) Chloroethane	2.26	64	144142	75.185	ug/l	95
7) Trichlorofluoromethane	2.52	101	650890	72.480	ug/l	99
8) Diethyl Ether	2.87	74	192107	73.861	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	625330	69.945	ug/l	97
10) Methyl Iodide	3.30	142	1037239	90.142	ug/l	99
11) Tert butyl alcohol	4.06	59	149908	392.631	ug/l	96
12) 1,1-Dichloroethene	3.12	96	550838	71.043	ug/l	97
13) Acrolein	3.04	56	171099	373.077	ug/l	99
14) Allyl chloride	3.62	41	797332	74.031	ug/l	97
15) Acrylonitrile	4.19	53	459011	364.853	ug/l	96
16) Acetone	3.21	43	720844	437.063	ug/l	100
17) Carbon Disulfide	3.37	76	1826815	72.465	ug/l	100
18) Methyl Acetate	3.64	43	234615	73.188	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	967119	72.791	ug/l	98
20) Methylene Chloride	3.81	84	612699	65.026	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	585244	69.994	ug/l	98
22) Diisopropyl ether	5.11	45	1585741	71.788	ug/l	99
23) Vinyl Acetate	5.05	43	4421408	362.113	ug/l	99
24) 1,1-Dichloroethane	4.98	63	971966	71.400	ug/l	100
25) 2-Butanone	6.06	43	743296	385.632	ug/l	97
26) 2,2-Dichloropropane	6.02	77	785817	71.051	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	625774	70.226	ug/l	94
28) Bromochloromethane	6.43	49	366361	75.359	ug/l	96
29) Tetrahydrofuran	6.44	42	343013	371.594	ug/l	99
30) Chloroform	6.66	83	1021649	72.114	ug/l	99
31) Cyclohexane	6.95	56	694351	66.520	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	909788	73.113	ug/l	100
36) 1,1-Dichloropropene	7.14	75	745046	63.275	ug/l	100
37) Ethyl Acetate	6.18	43	329378	67.384	ug/l	96
38) Carbon Tetrachloride	7.11	117	912868m	67.116	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	844369	68.788	ug/l	98
40) Benzene	7.46	78	1860782	65.315	ug/l	99
41) Methacrylonitrile	6.44	41	380328	69.036	ug/l	95
42) 1,2-Dichloroethane	7.57	62	598410	66.456	ug/l	99
43) Isopropyl Acetate	9.23	43	493305	70.226	ug/l	99
44) Trichloroethene	8.54	130	717834	66.141	ug/l	96
45) 1,2-Dichloropropane	8.93	63	438138	62.782	ug/l	98
46) Dibromomethane	9.06	93	351391	71.036	ug/l	92
47) Bromodichloromethane	9.37	83	748053	67.652	ug/l	99
48) Methyl methacrylate	9.11	41	295739	76.142	ug/l	98
49) 1,4-Dioxane	9.07	88	67037	1559.325	ug/l #	87
51) 4-Methyl-2-Pentanone	10.30	43	1335447	322.868	ug/l	98
52) Toluene	10.51	92	1162854	65.892	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	673288	68.947	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	777008	64.591	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	391395	67.265	ug/l	98
56) Ethyl methacrylate	11.04	69	430715	68.126	ug/l	100
57) 1,3-Dichloropropane	11.40	76	569371	64.808	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	952118	332.407	ug/l	99
59) 2-Hexanone	11.53	43	1149542	368.266	ug/l	96
60) Dibromochloromethane	11.68	129	666522	71.963	ug/l	99
61) 1,2-Dibromoethane	11.80	107	464035	67.580	ug/l	99
64) Tetrachloroethene	11.26	164	548662	73.571	ug/l	98
65) Chlorobenzene	12.40	112	1301897	67.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	552061	72.052	ug/l	96
67) Ethyl Benzene	12.53	91	2058387	67.066	ug/l	98
68) m/p-Xylenes	12.66	106	1440303	127.049	ug/l	94
69) o-Xylene	13.05	106	750303	68.434	ug/l	95
70) Styrene	13.07	104	1311797	69.869	ug/l	99
71) Bromoform	13.23	173	353627	77.339	ug/l #	94
73) Isopropylbenzene	13.40	105	2118942	68.341	ug/l	99
74) N-amyl acetate	13.26	43	613188	73.173	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	460766	74.318	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	459695	74.362	ug/l	96
77) Bromobenzene	13.67	156	651351	71.704	ug/l	87
78) n-propylbenzene	13.78	91	2469125	67.699	ug/l	94
79) 2-Chlorotoluene	13.84	91	1440779	69.084	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1562933	64.228	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	154272	80.631	ug/l	95
82) 4-Chlorotoluene	13.94	91	1476149	64.778	ug/l	96
83) tert-Butylbenzene	14.19	119	1880892	64.607	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1637871	65.500	ug/l	95
85) sec-Butylbenzene	14.37	105	2024313	65.101	ug/l	95
86) p-Isopropyltoluene	14.49	119	1954034	68.117	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1078954	69.744	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	994981	64.932	ug/l	96
89) n-Butylbenzene	14.80	91	1511313	61.367	ug/l	97
90) Hexachloroethane	15.01	117	536636	72.472	ug/l	75
91) 1,2-Dichlorobenzene	14.81	146	769695	60.672	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	59186	76.300	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	435050	67.787	ug/l	98
94) Hexachlorobutadiene	16.03	225	347076	70.281	ug/l	98
95) Naphthalene	16.12	128	698269	68.986	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	192216	60.488	ug/l	99

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

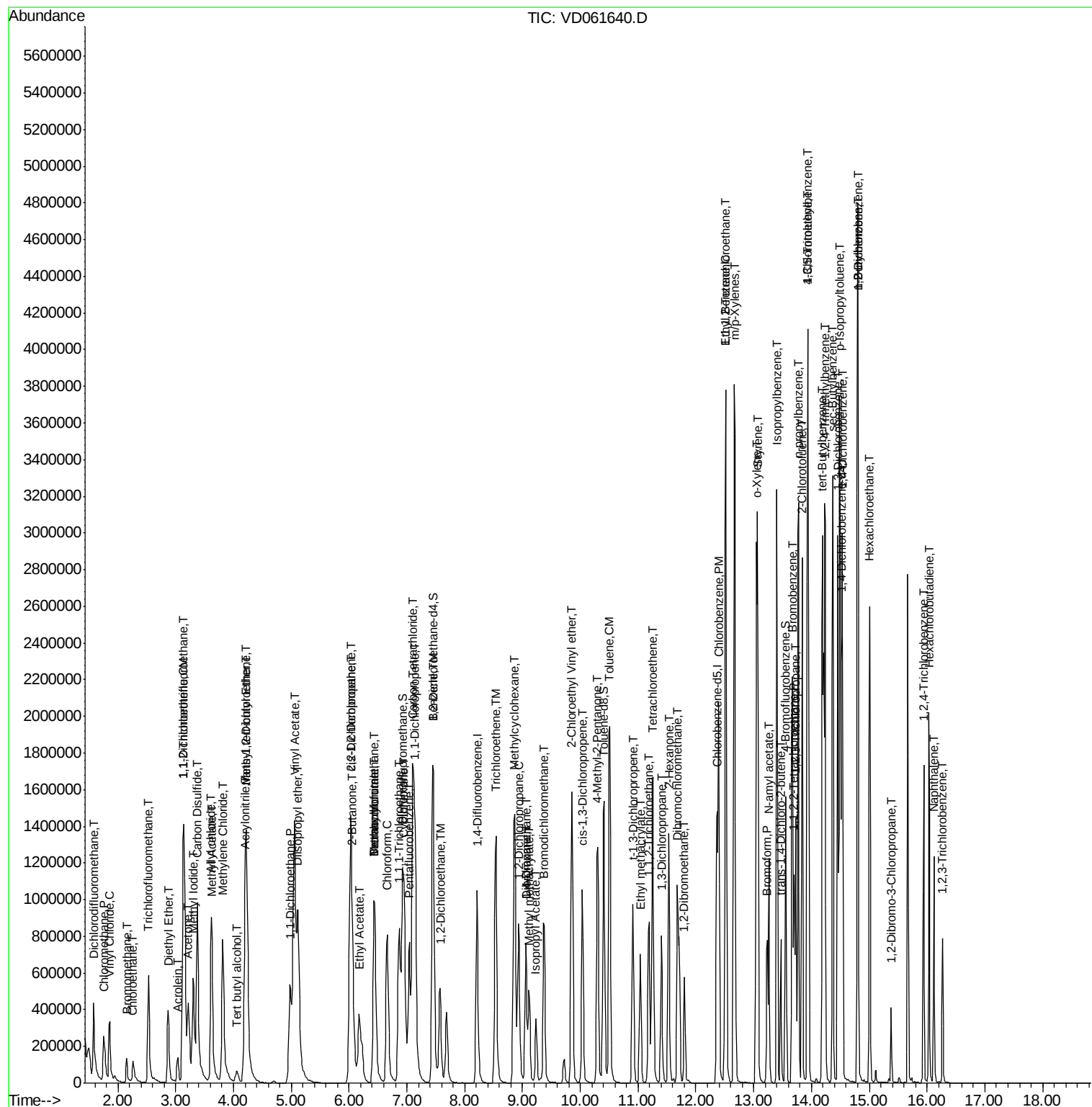
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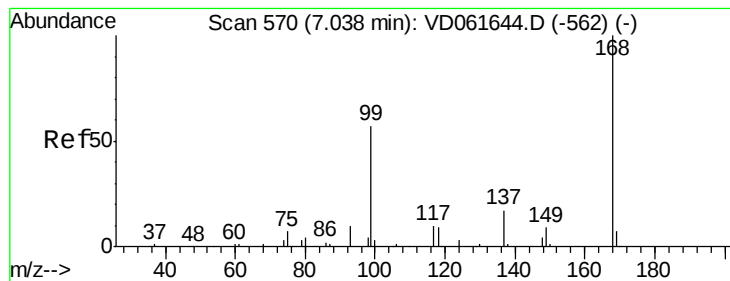
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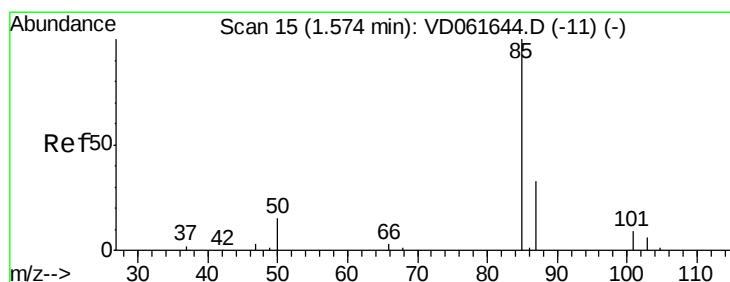
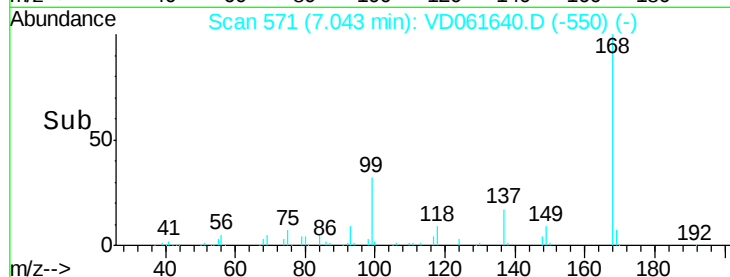
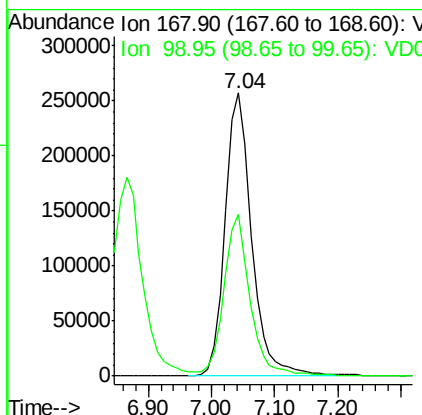
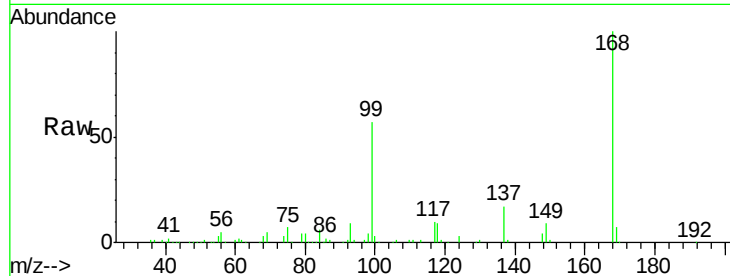
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
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ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.3	46.8	70.2

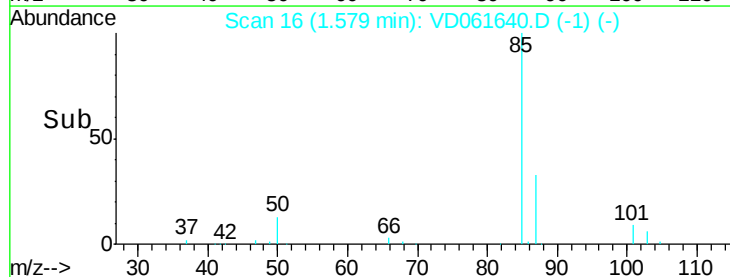
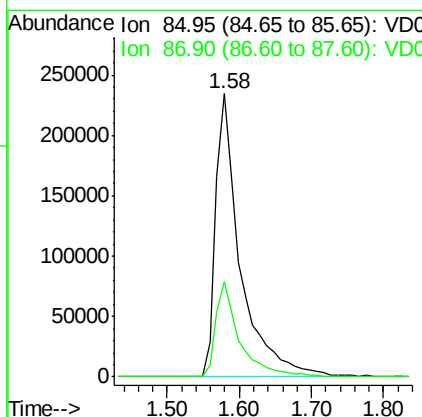
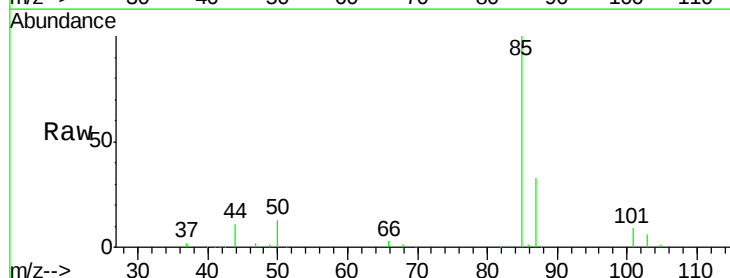
Manual Integrations
APPROVED

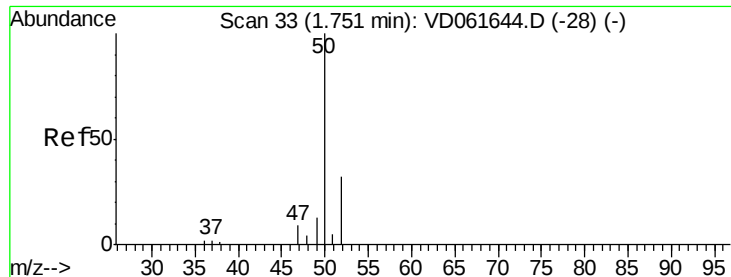
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#2
Dichlorodifluoromethane
Concen: 69.819 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.6	49.8





#3

Chloromethane

Concen: 70.426 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 447346

Ion Ratio Lower Upper

50 100

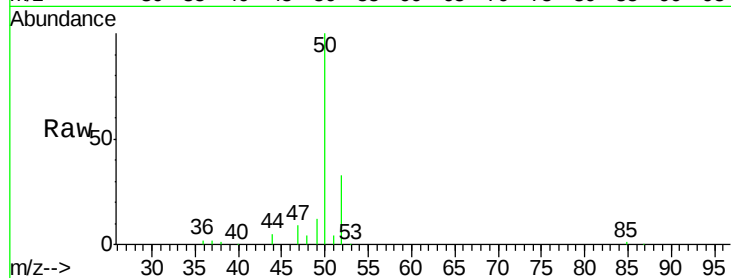
52 33.4 25.1 37.7

Manual Integrations

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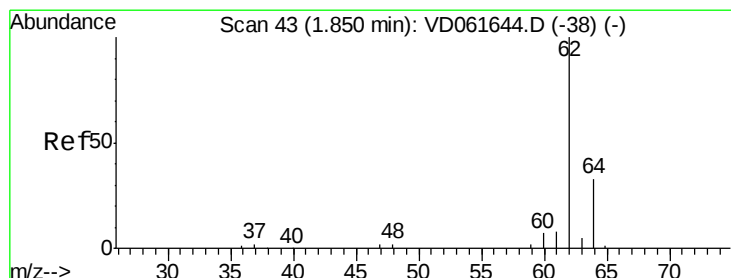
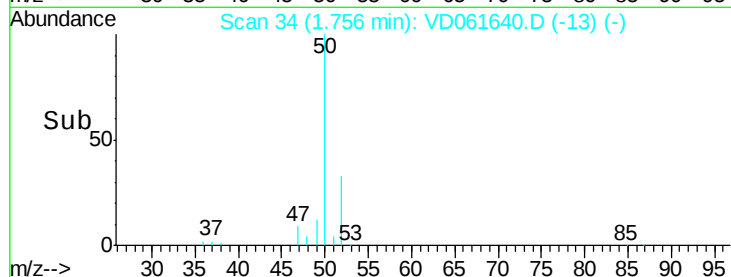
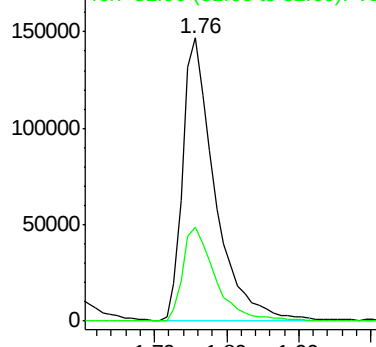
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 72.201 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061640.D

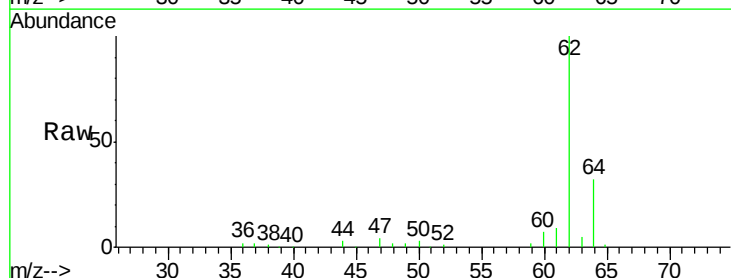
Acq: 6 Apr 2019 13:30

Tgt Ion: 62 Resp: 440551

Ion Ratio Lower Upper

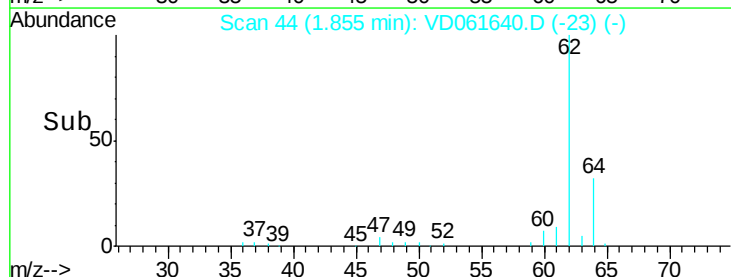
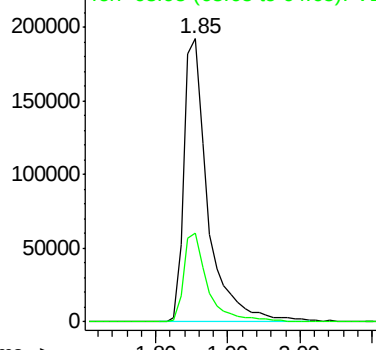
62 100

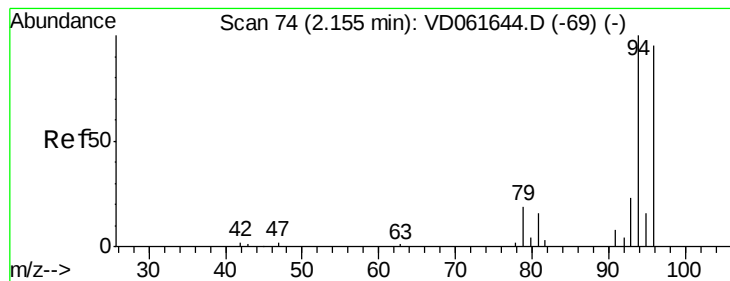
64 31.5 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.825 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 80430

Ion Ratio Lower Upper

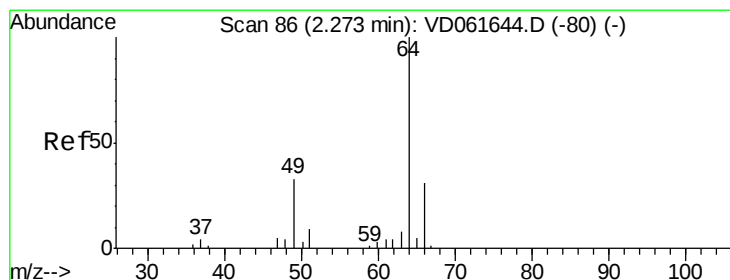
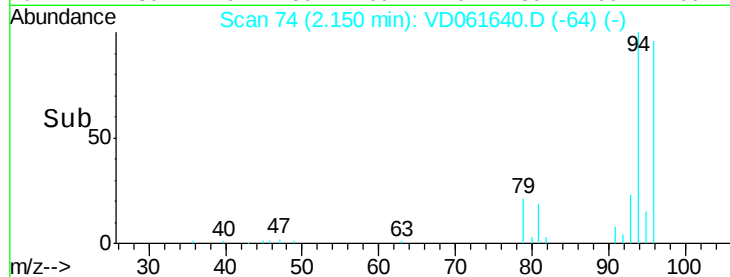
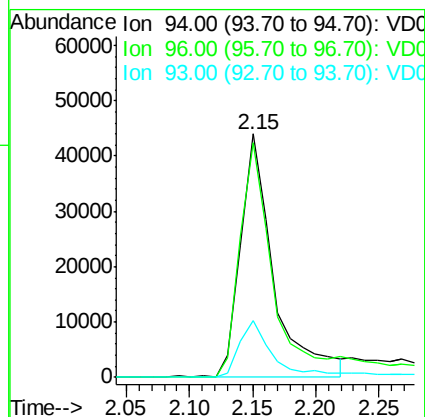
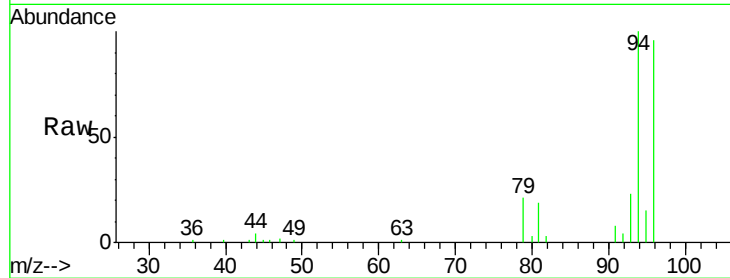
94 100

96 96.4 75.8 113.8

93 23.5 18.6 28.0

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#6

Chloroethane

Concen: 75.185 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061640.D

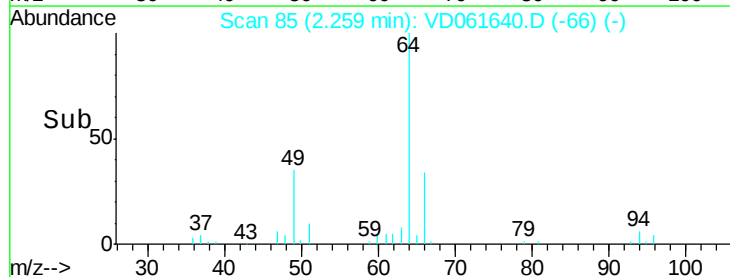
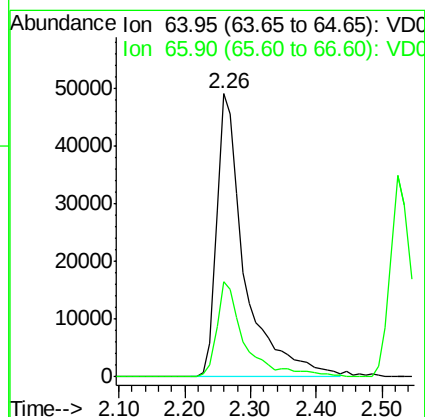
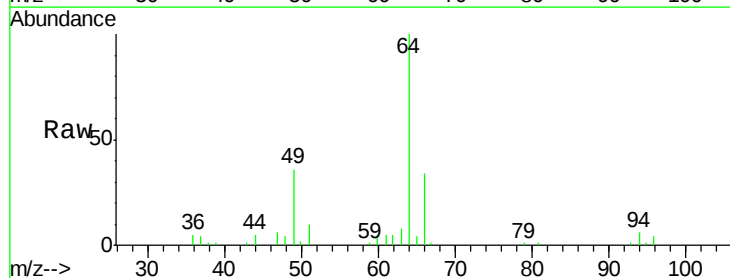
Acq: 6 Apr 2019 13:30

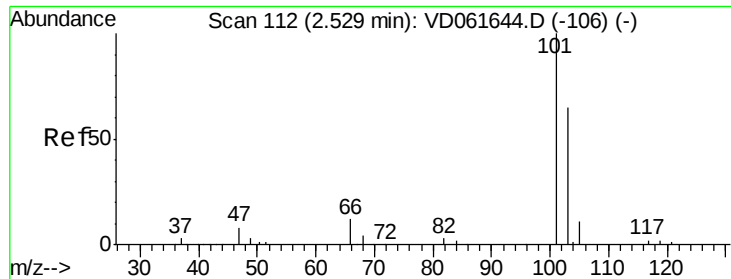
Tgt Ion: 64 Resp: 144142

Ion Ratio Lower Upper

64 100

66 33.8 24.9 37.3





#7

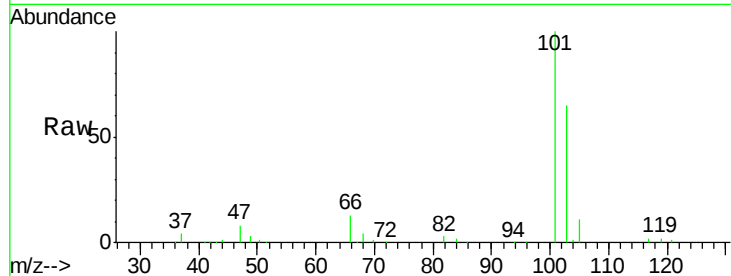
Trichlorofluoromethane
Concen: 72.480 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

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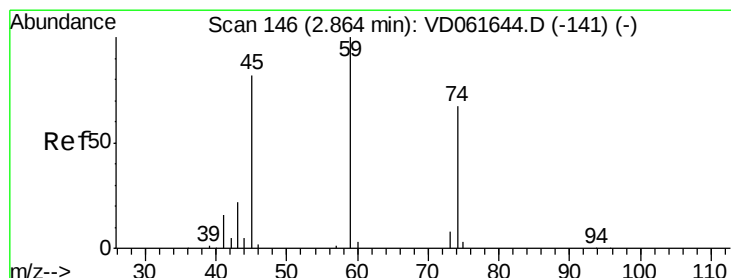
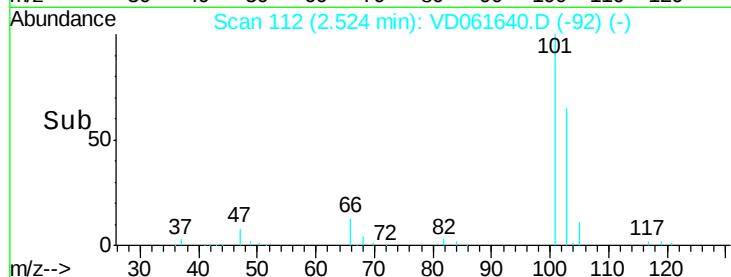
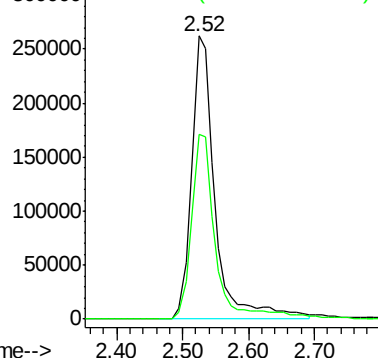
Tot Ion:101 Resp: 650890
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0

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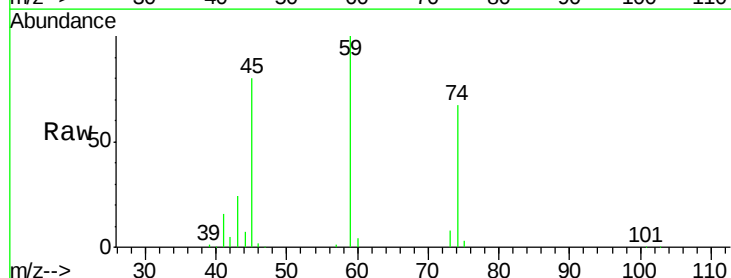
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



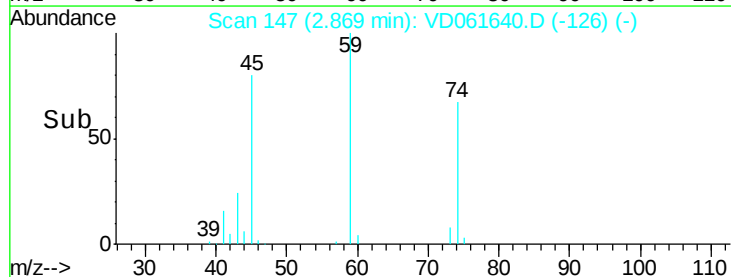
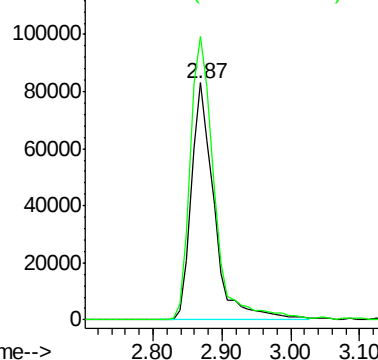
#8

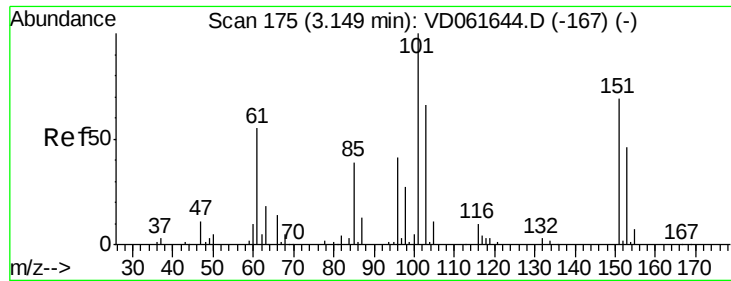
Diethyl Ether
Concen: 73.861 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 74 Resp: 192107
Ion Ratio Lower Upper
74 100
45 119.5 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.945 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

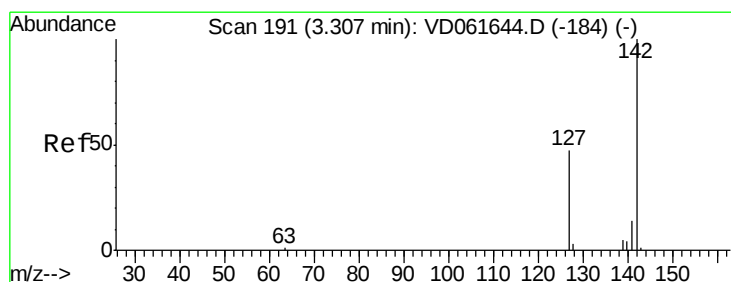
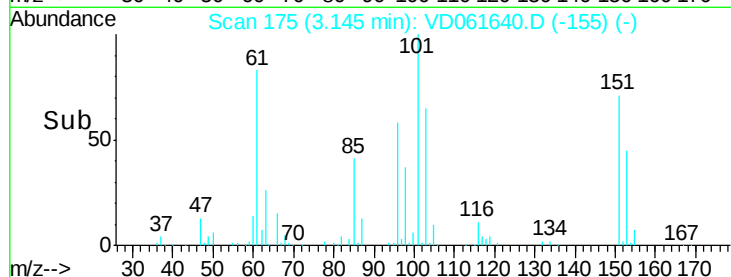
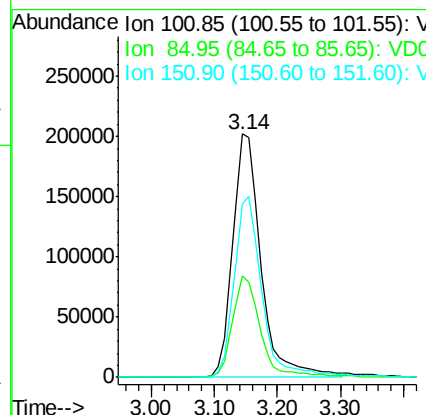
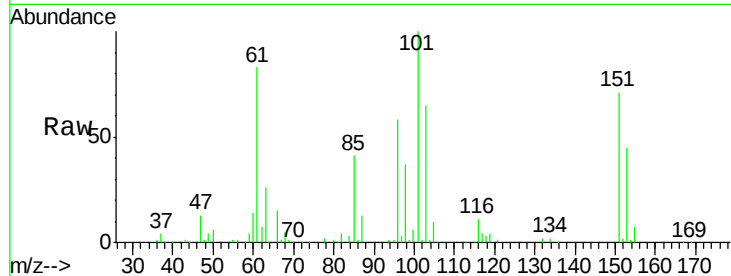
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	625330
Ion Ratio	Lower	Upper	
101	100		
85	41.5	31.0	46.6
151	71.3	55.3	82.9

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#10

Methyl Iodide

Concen: 90.142 ug/l

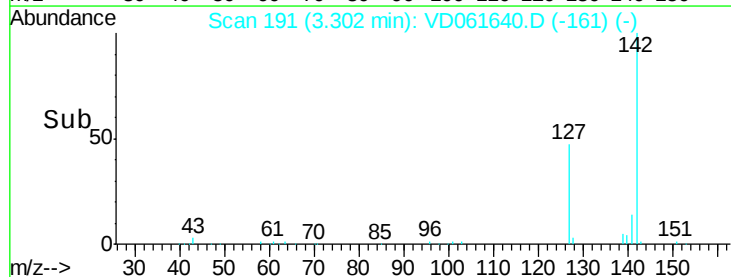
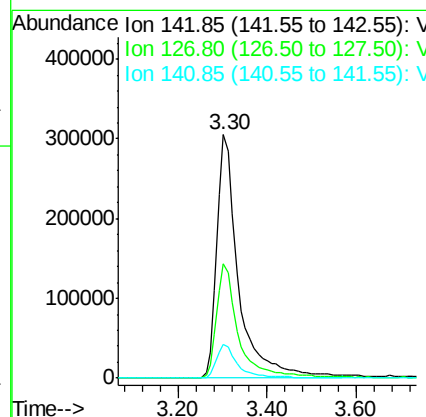
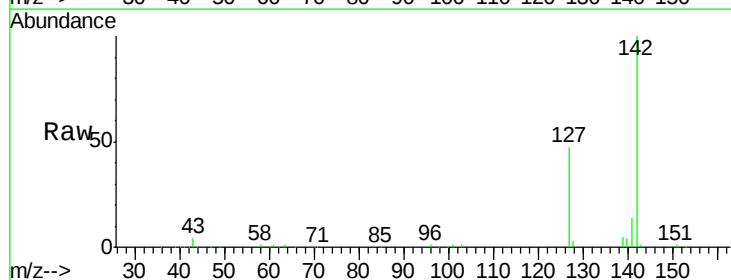
RT: 3.30 min Scan# 191

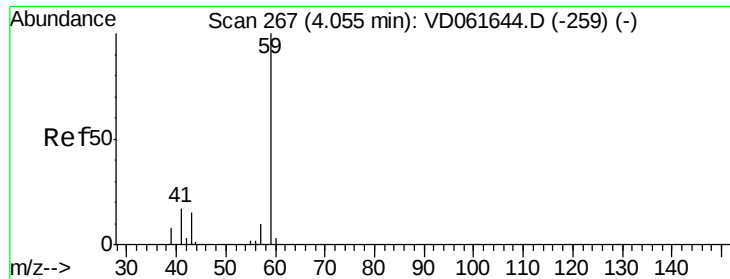
Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion:	142	Resp:	1037239
Ion Ratio	Lower	Upper	
142	100		
127	47.2	37.2	55.8
141	13.8	10.8	16.2





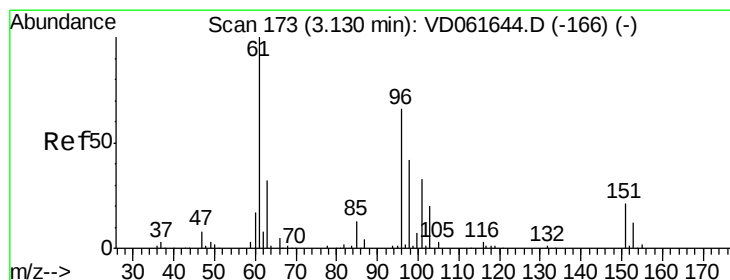
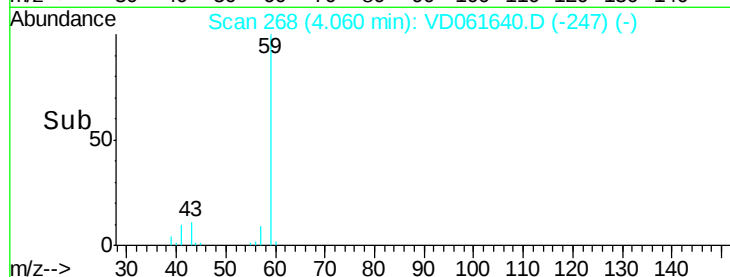
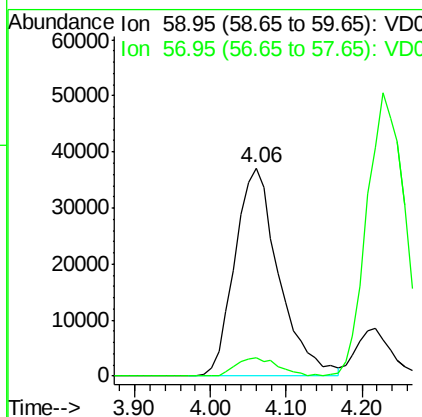
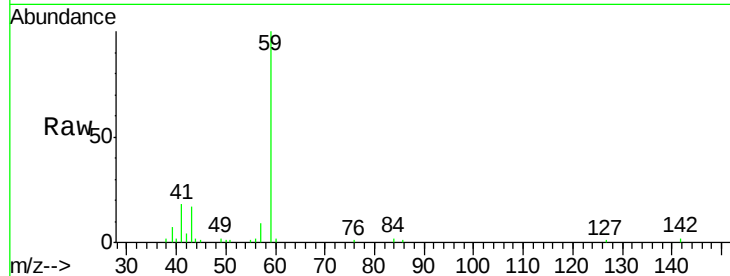
#11
Tert butyl alcohol
Concen: 392.631 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 149908
Ion Ratio Lower Upper
59 100
57 9.0 8.4 12.6

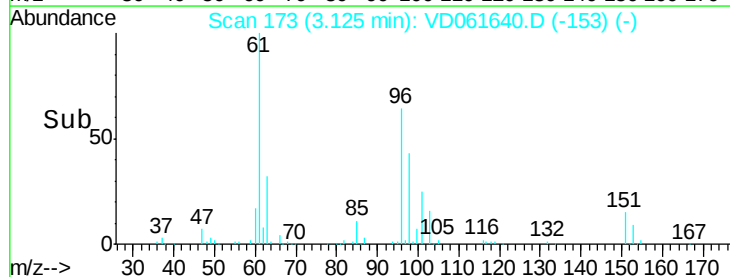
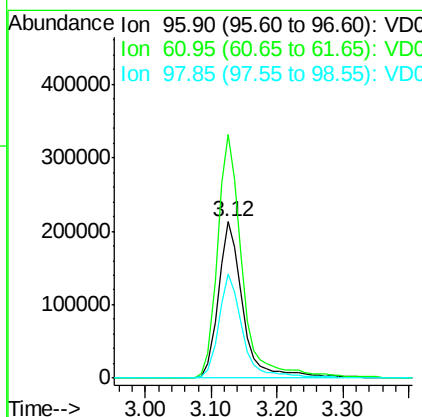
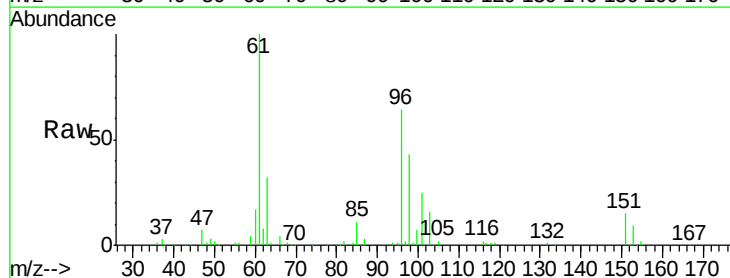
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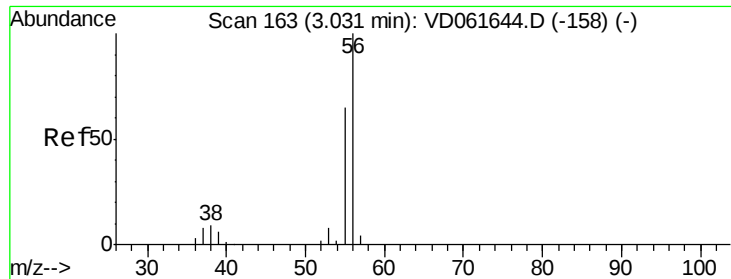
MMDadoda
4/11/2019 2:57:27 AM



#12
1,1-Dichloroethene
Concen: 71.043 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 96 Resp: 550838
Ion Ratio Lower Upper
96 100
61 155.6 121.3 181.9
98 66.3 50.6 76.0





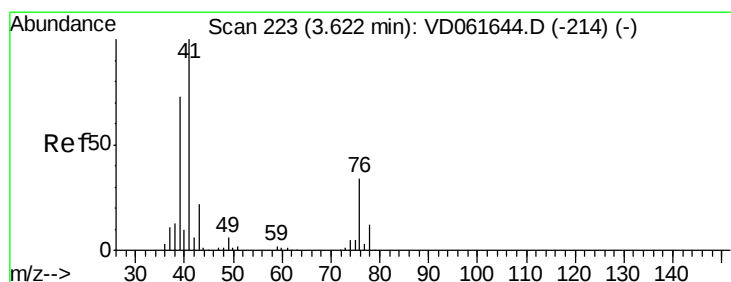
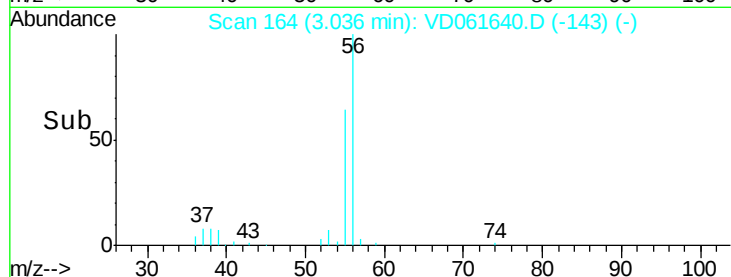
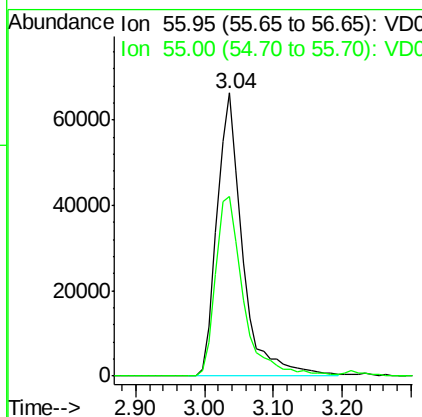
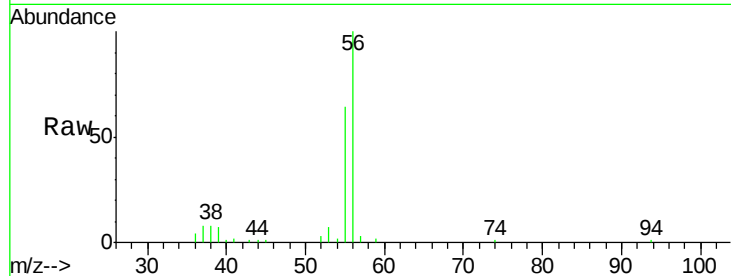
#13
Acrolein
Concen: 373.077 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 171099
Ion Ratio Lower Upper
56 100
55 63.6 51.8 77.6

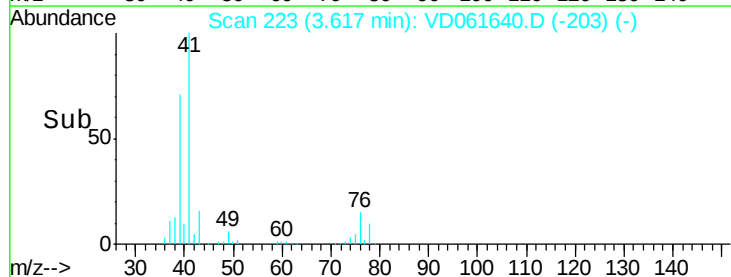
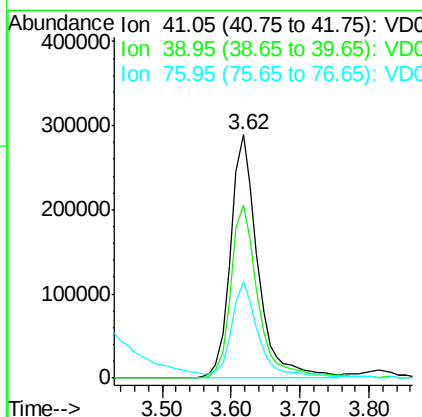
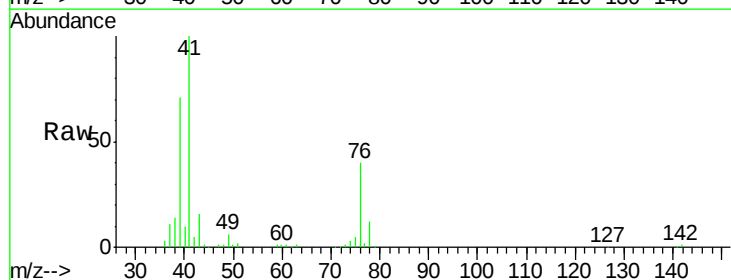
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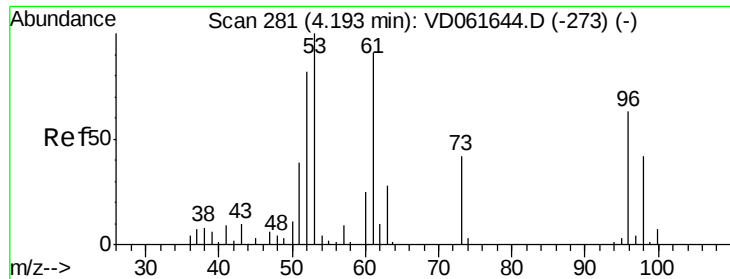
MMDadoda
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#14
Allyl chloride
Concen: 74.031 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 41 Resp: 797332
Ion Ratio Lower Upper
41 100
39 71.1 58.2 87.4
76 39.8 29.8 44.6





#15

Acrylonitrile

Concen: 364.853 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

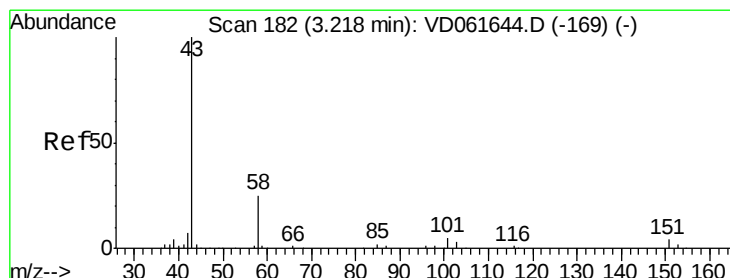
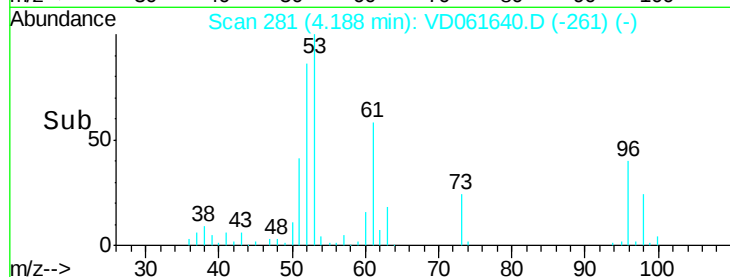
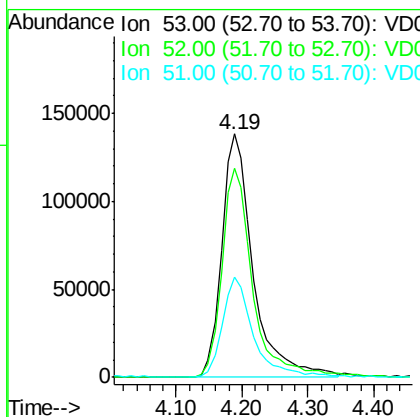
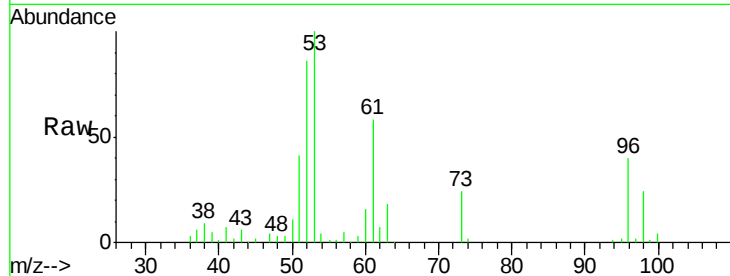
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	459011
Ion Ratio	Lower	Upper	
53	100		
52	85.8	65.9	98.9
51	41.2	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 437.063 ug/l

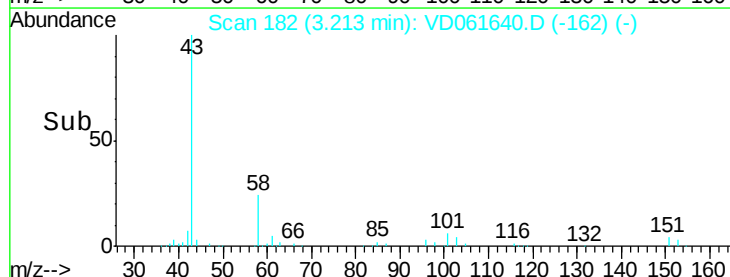
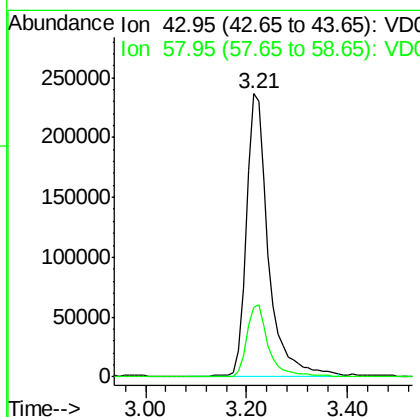
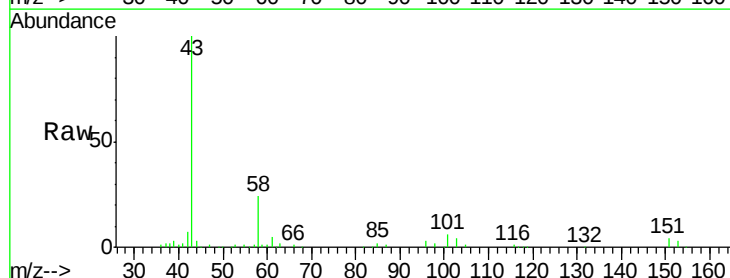
RT: 3.21 min Scan# 182

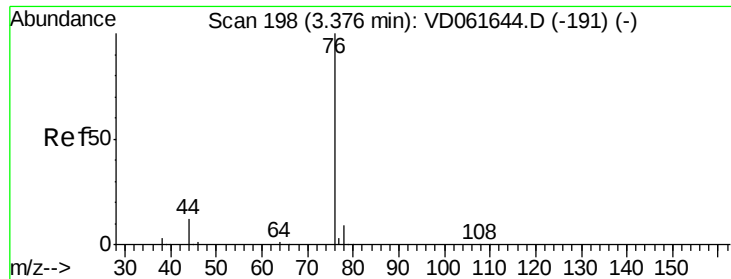
Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion:	43	Resp:	720844
Ion Ratio	Lower	Upper	
43	100		
58	24.4	19.7	29.5





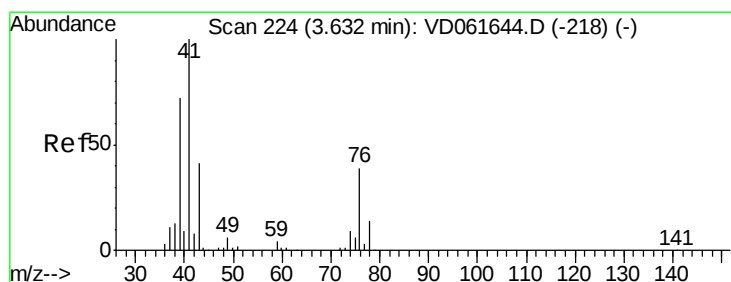
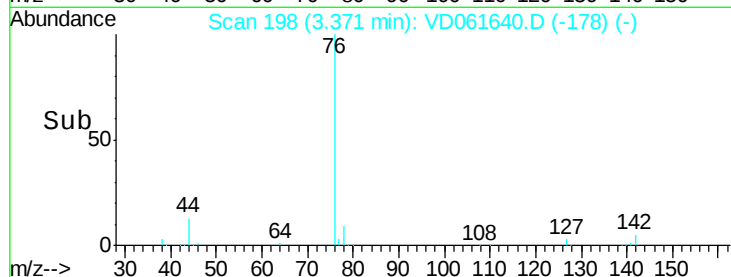
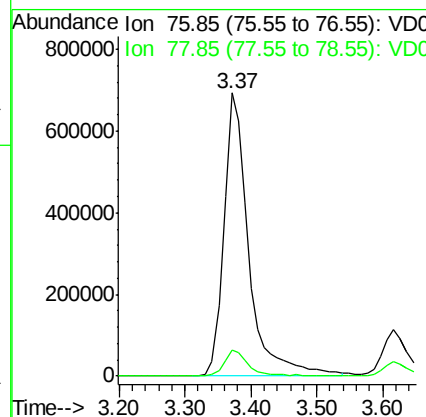
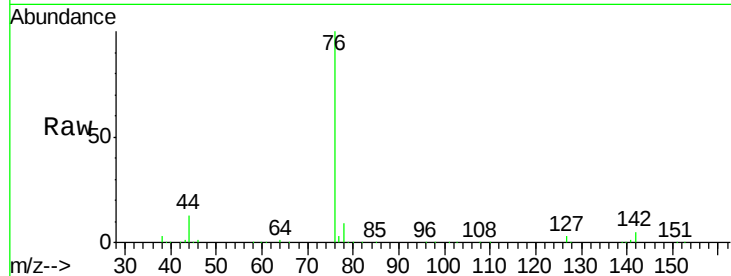
#17
Carbon Disulfide
Concen: 72.465 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 1826815
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

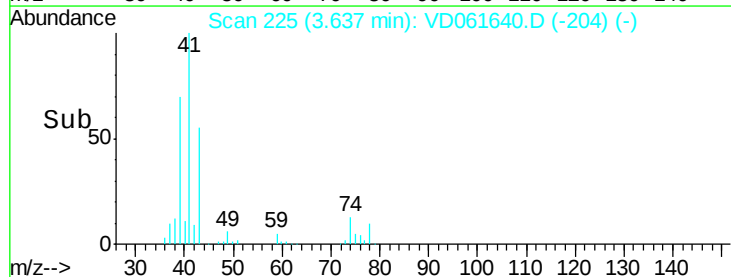
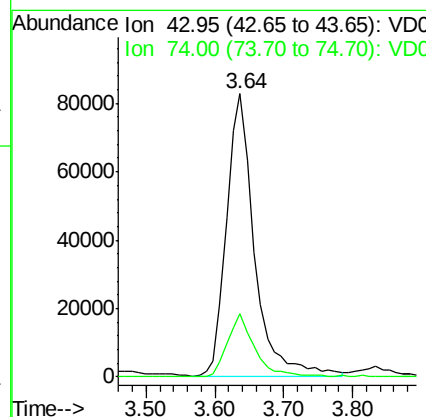
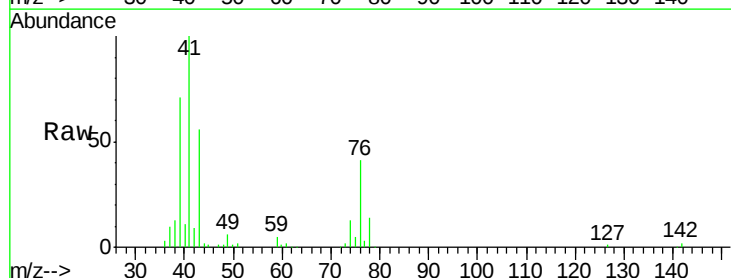
Manual Integrations
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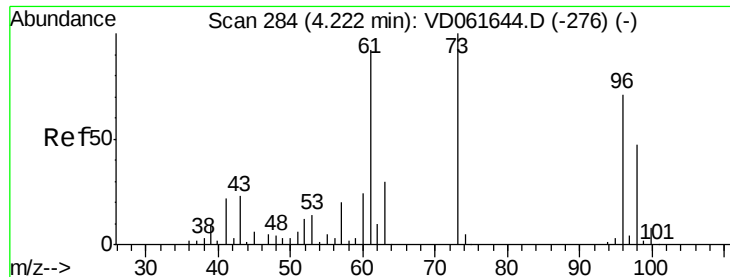
MMDadoda
4/11/2019 2:57:27 AM



#18
Methyl Acetate
Concen: 73.188 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 43 Resp: 234615
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.2





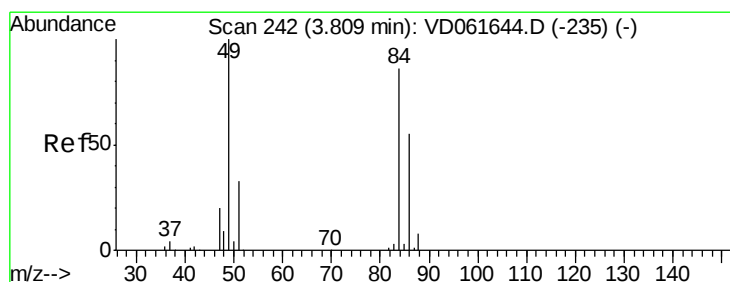
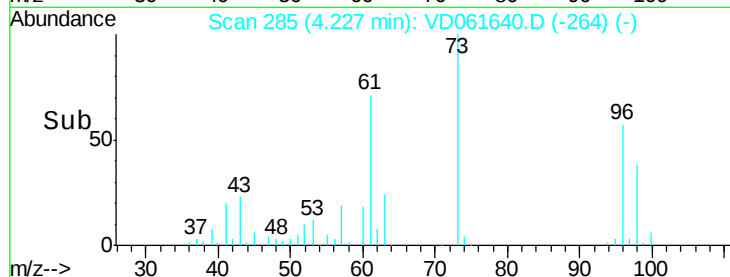
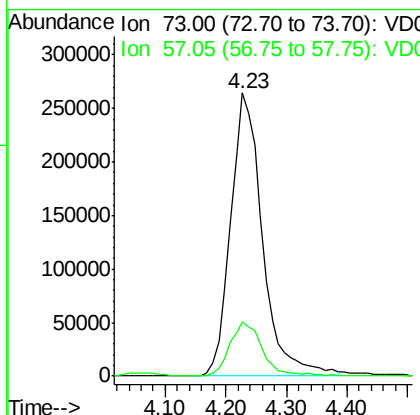
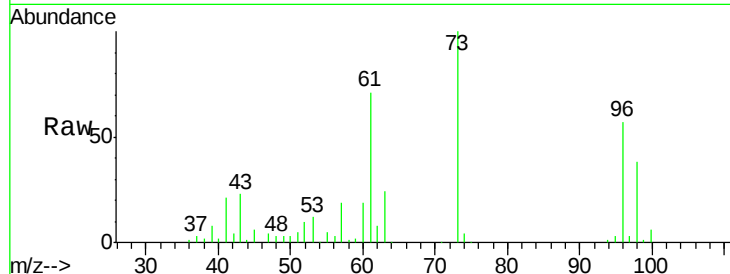
#19
Methvl tert-butvl Ether
Concen: 72.791 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 967119
Ion Ratio Lower Upper
73 100
57 19.1 16.0 24.0

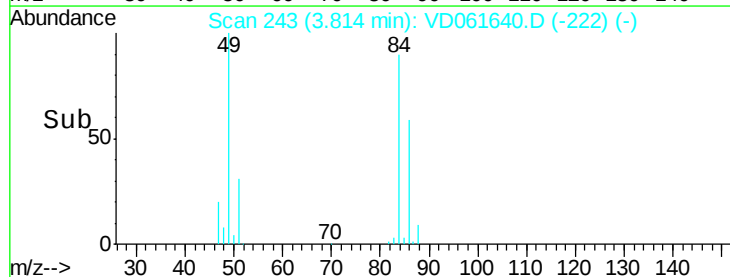
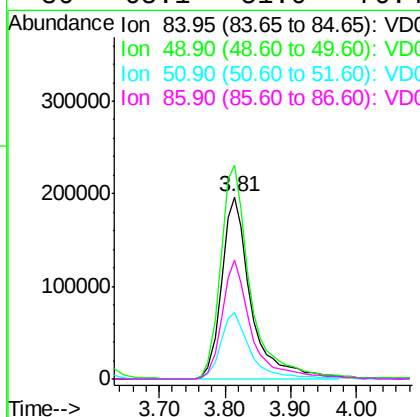
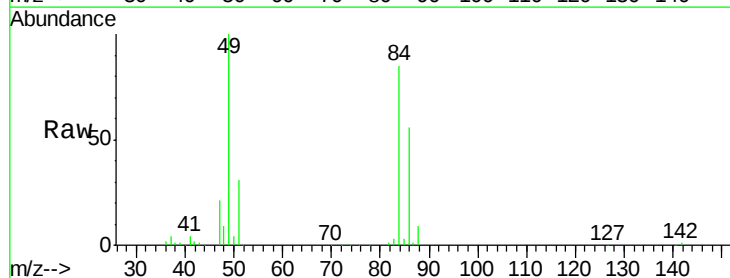
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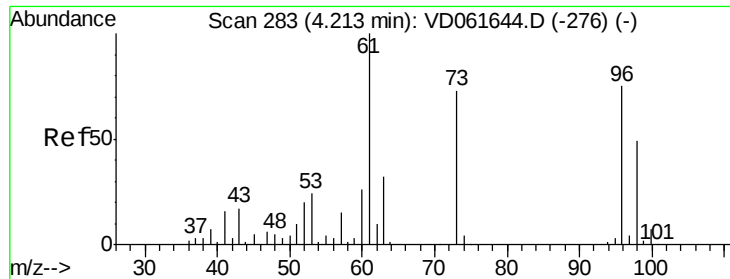
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#20
Methylene Chloride
Concen: 65.026 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 84 Resp: 612699
Ion Ratio Lower Upper
84 100
49 117.2 93.0 139.4
51 36.9 30.4 45.6
86 65.1 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 69.994 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 585244

Ion Ratio Lower Upper

96 100

61 130.9 106.8 160.2

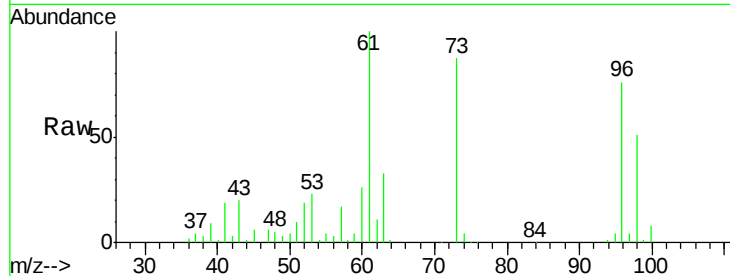
98 66.1 52.2 78.2

Manual Integrations

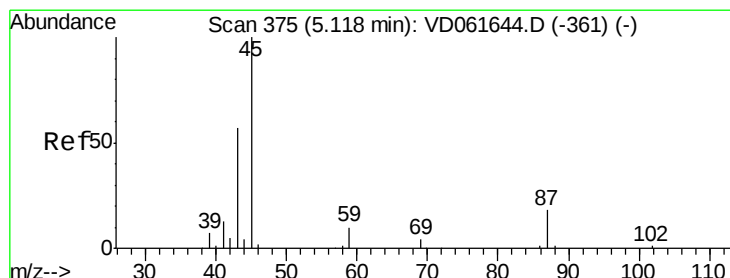
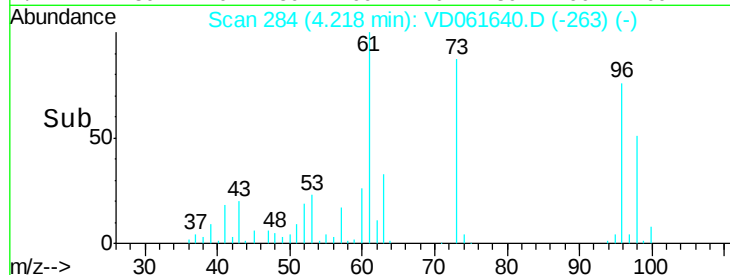
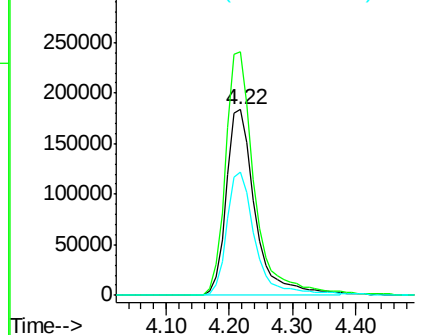
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 71.788 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion: 45 Resp: 1585741

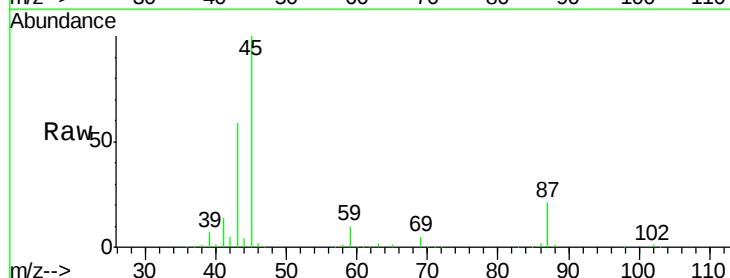
Ion Ratio Lower Upper

45 100

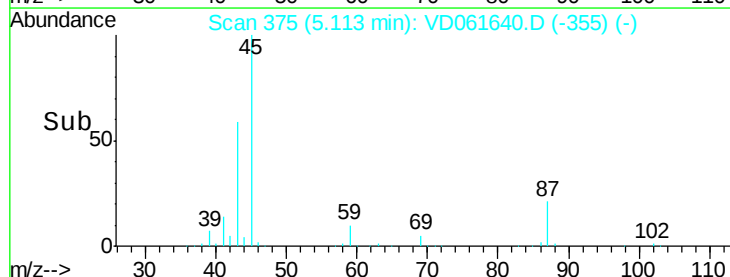
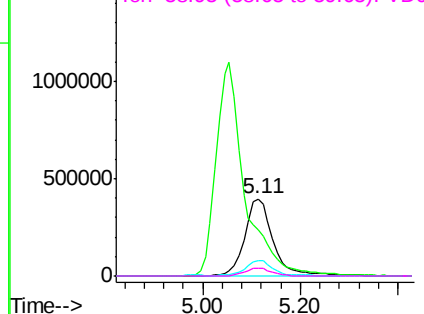
43 58.9 46.6 70.0

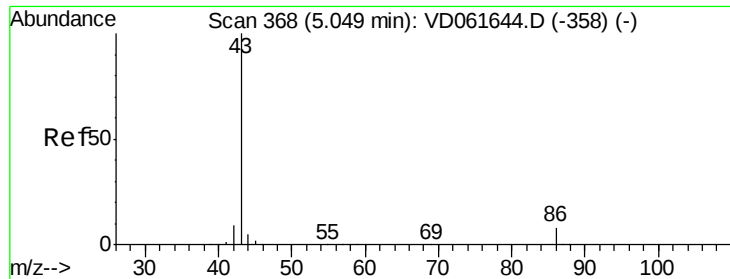
87 20.6 15.6 23.4

59 10.4 8.6 13.0



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





#23

Vinyl Acetate

Concen: 362.113 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 4421408

Ion Ratio Lower Upper

43 100

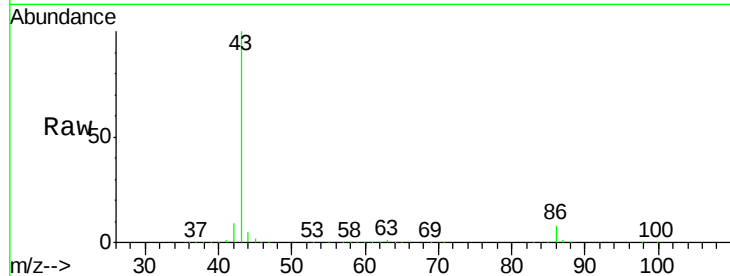
86 8.3 6.4 9.6

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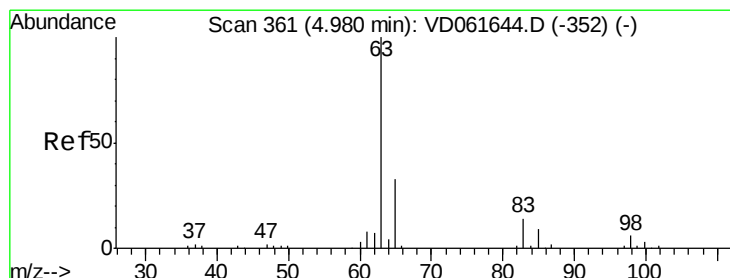
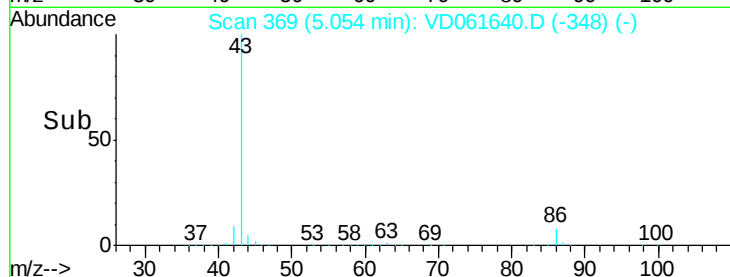
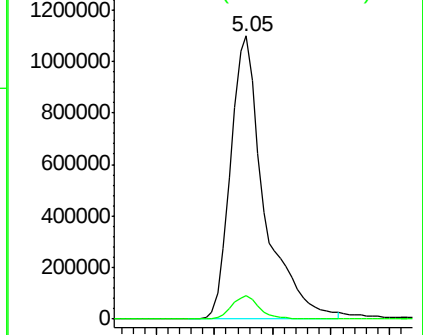
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 71.400 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

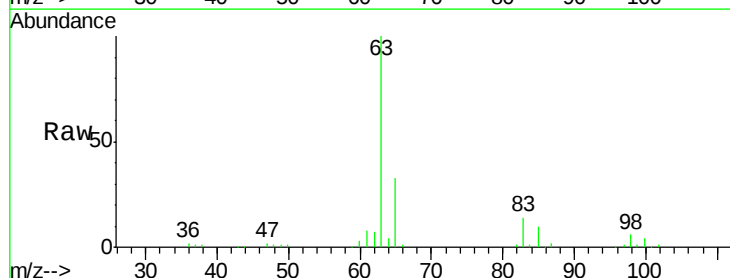
Tgt Ion: 63 Resp: 971966

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

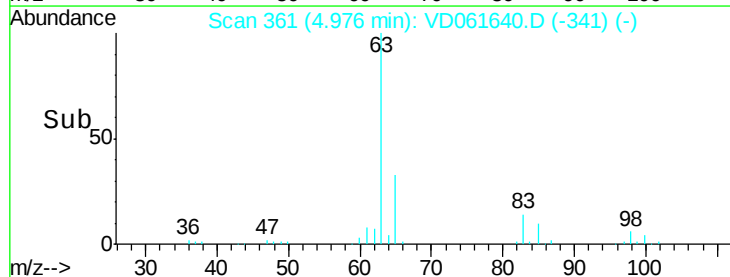
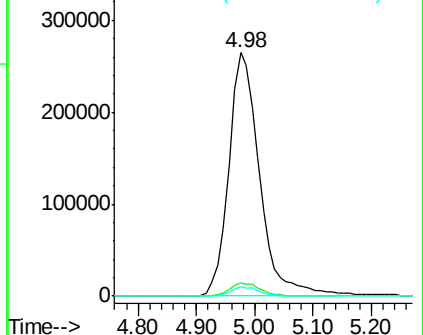
100 3.7 1.7 5.1

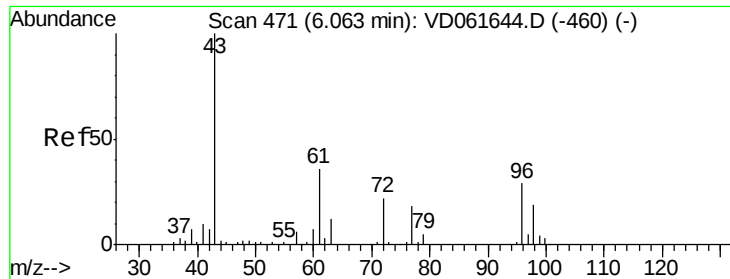


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 385.632 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 743296

Ion Ratio Lower Upper

43 100

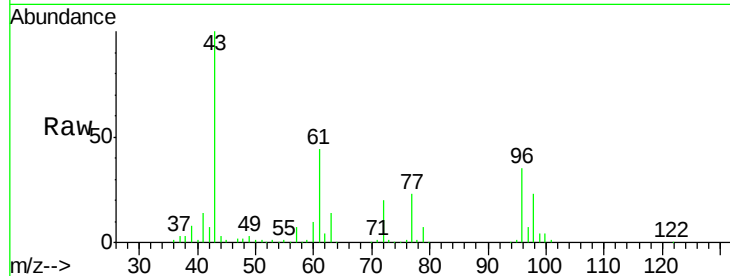
72 20.2 17.4 26.2

Manual Integrations

APPROVED

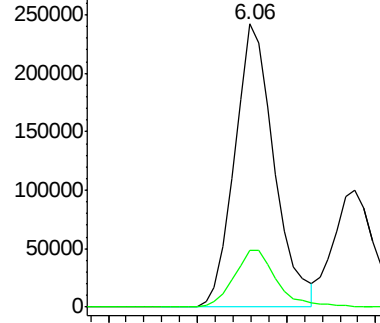
MMDadoda

4/11/2019 2:57:27 AM

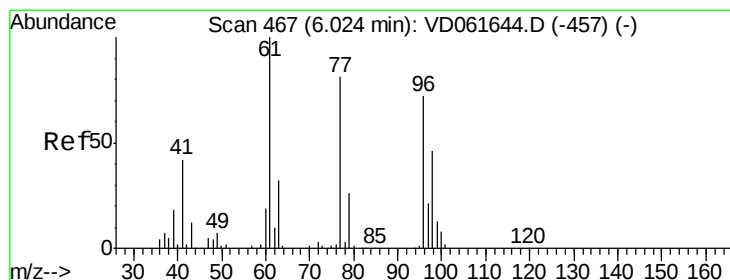
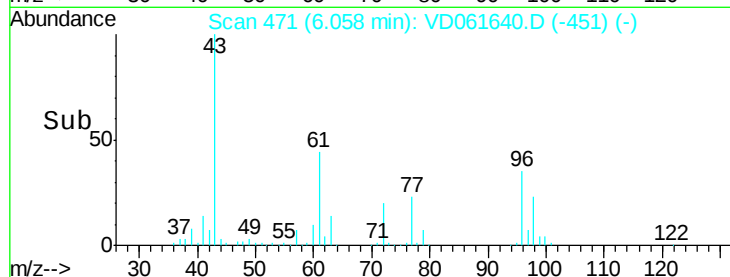


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 71.051 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061640.D

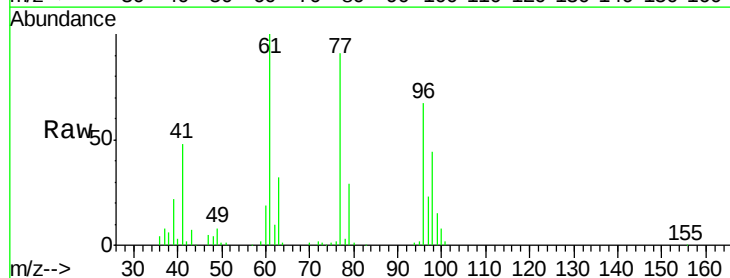
Acq: 6 Apr 2019 13:30

Tgt Ion: 77 Resp: 785817

Ion Ratio Lower Upper

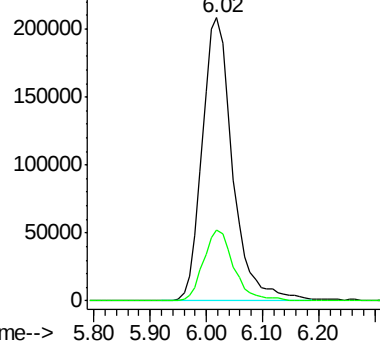
77 100

97 25.2 12.7 38.0

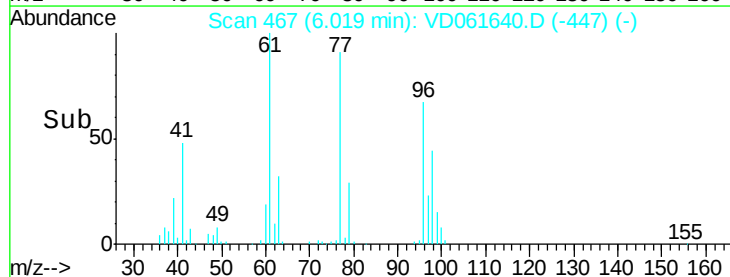


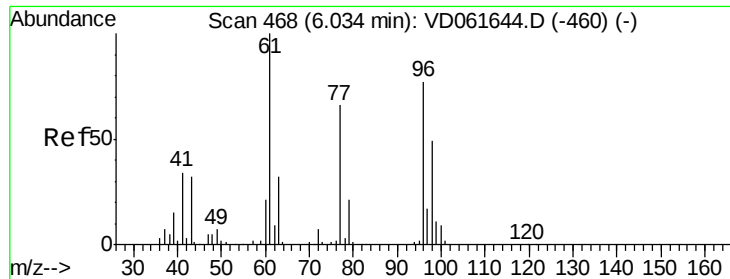
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

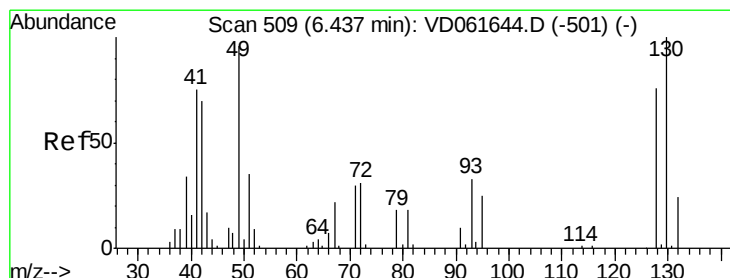
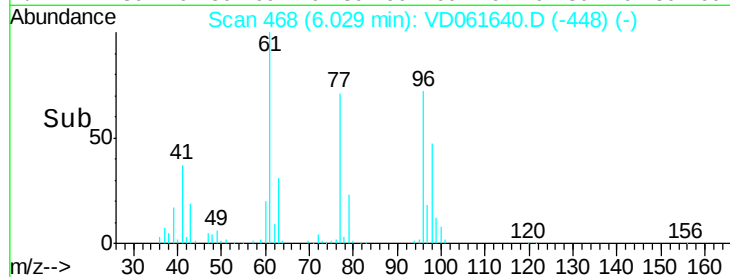
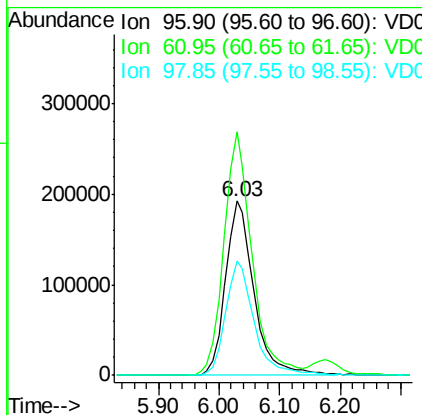
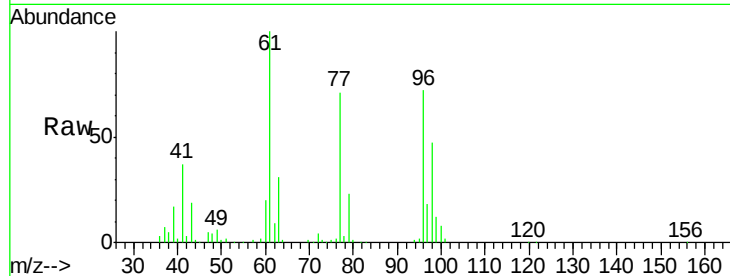
cis-1,2-Dichloroethene
Concen: 70.226 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	259.8
98	65.7	0.0	127.6

Manual Integrations
APPROVED

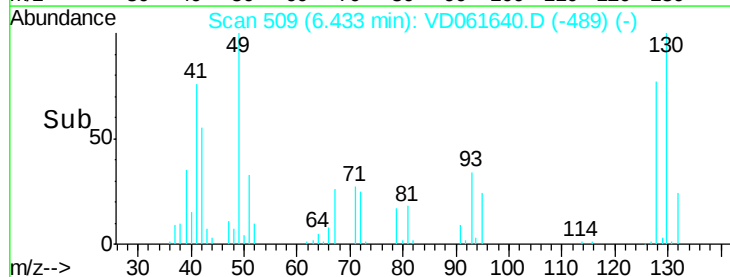
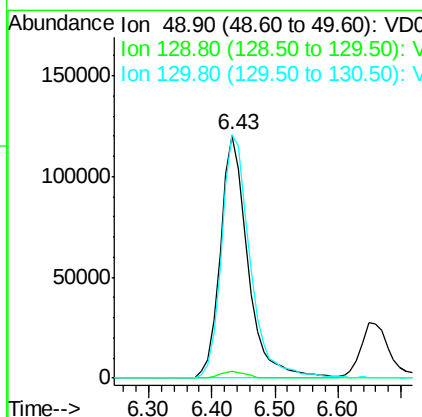
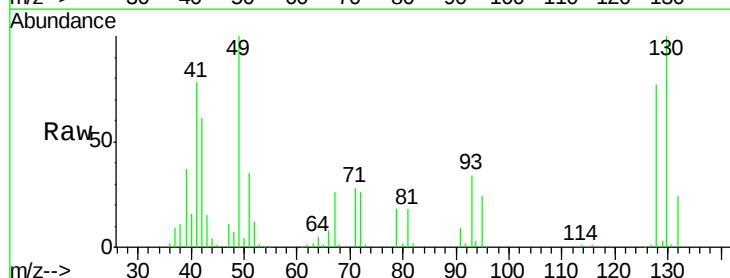
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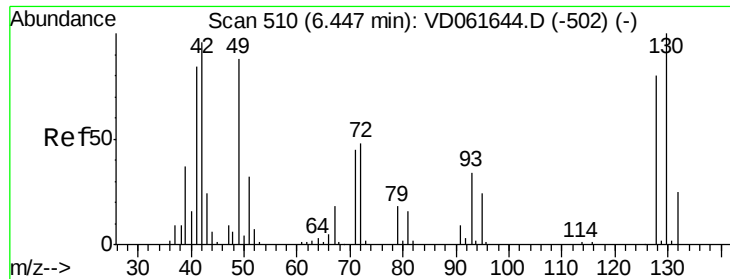


#28

Bromochloromethane
Concen: 75.359 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	100.2	83.3	124.9





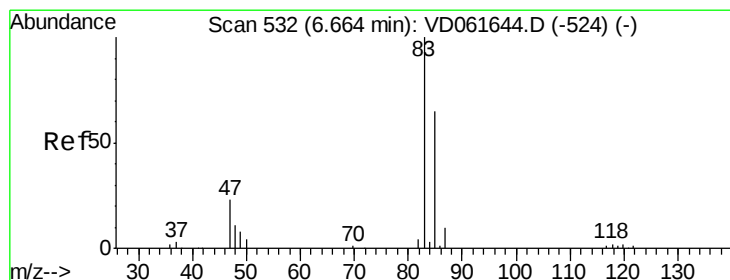
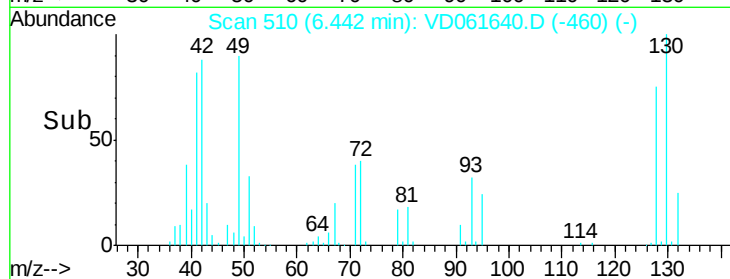
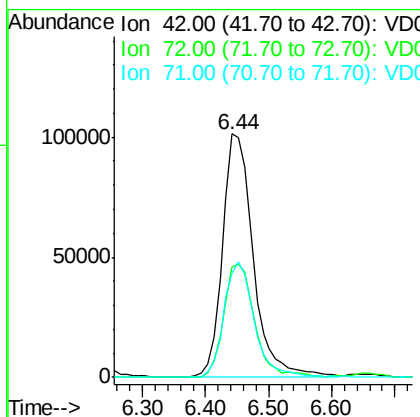
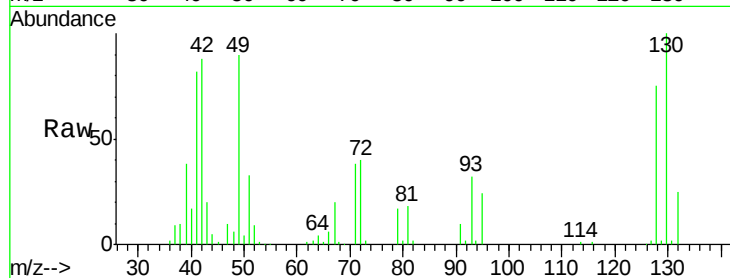
#29
Tetrahydrofuran
Concen: 371.594 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.0	55.6
71	46.4	36.5	54.7

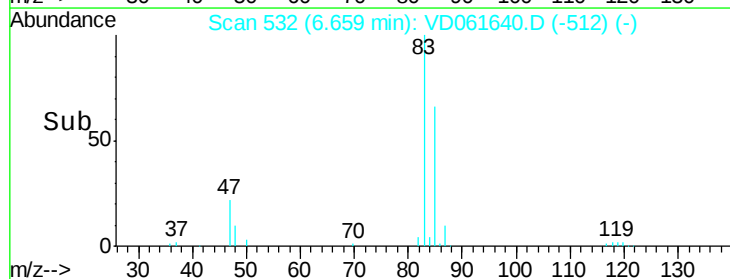
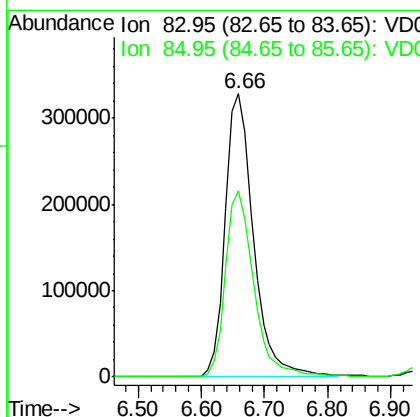
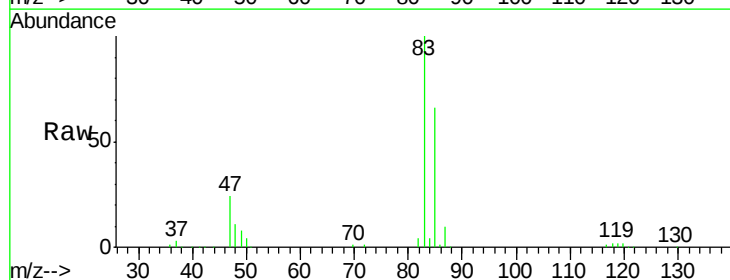
Manual Integrations
APPROVED

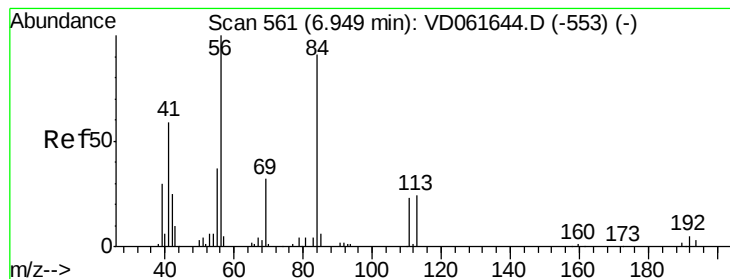
MMDadoda
4/11/2019 2:57:27 AM



#30
Chloroform
Concen: 72.114 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.9	77.9





#31

Cvclohexane

Concen: 66.520 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

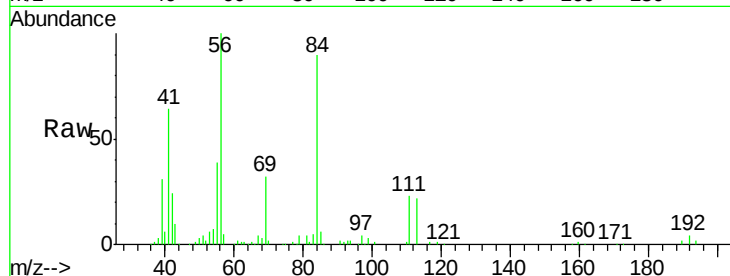
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	694351
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.6
84	89.6	74.2	111.2

Manual Integrations
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4/11/2019 2:57:27 AM

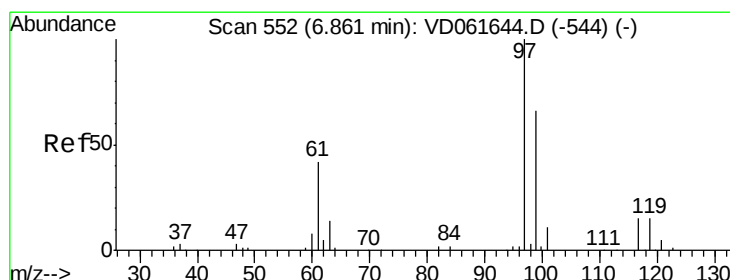
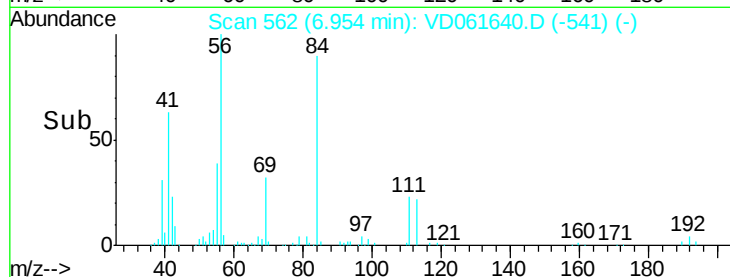
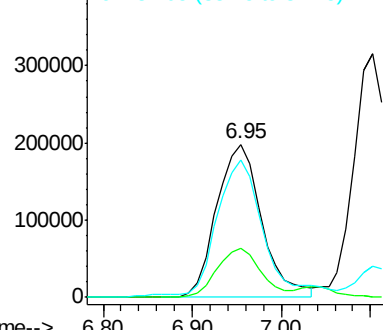


Abundance

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: 73.113 ug/l

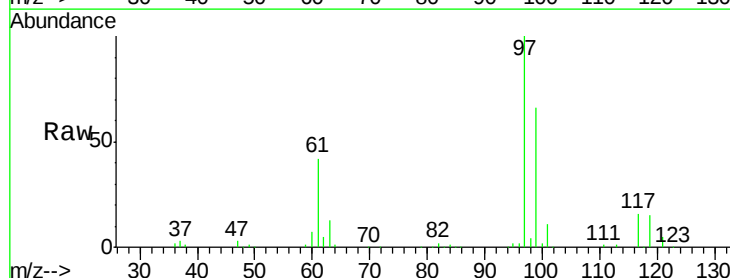
RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion:	97	Resp:	909788
Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.5	78.7
61	42.0	33.4	50.0

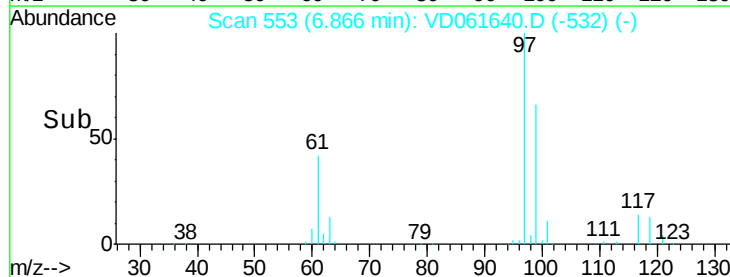
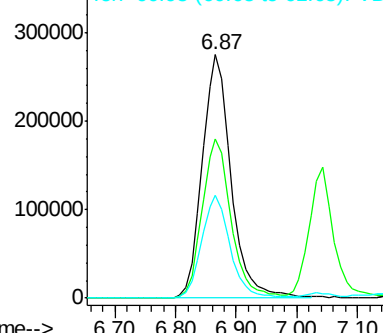


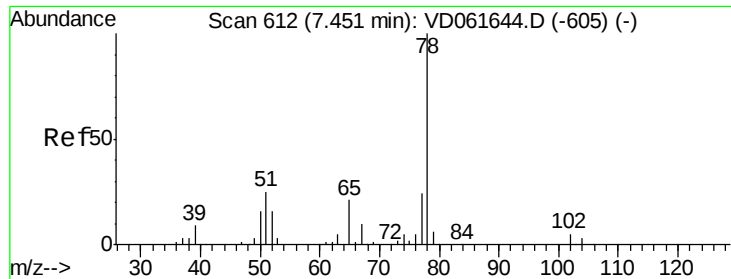
Abundance

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: 73.113 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 389916

Ion Ratio Lower Upper

65 100

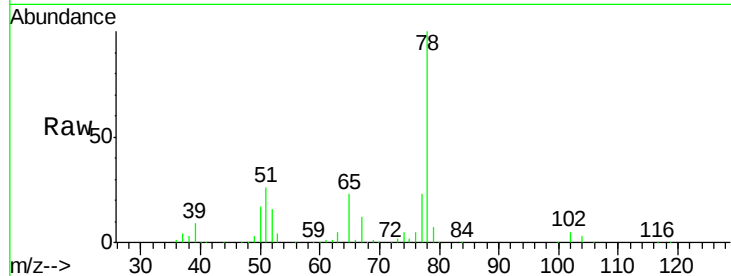
67 49.6 0.0 99.4

Manual Integrations

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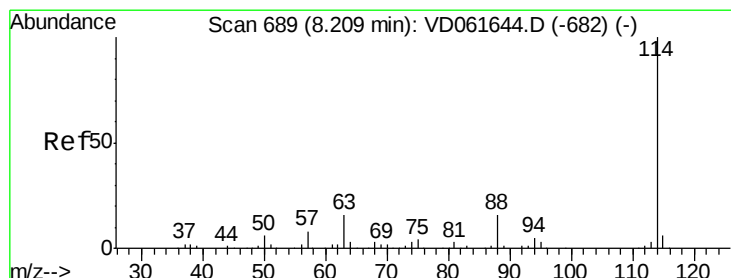
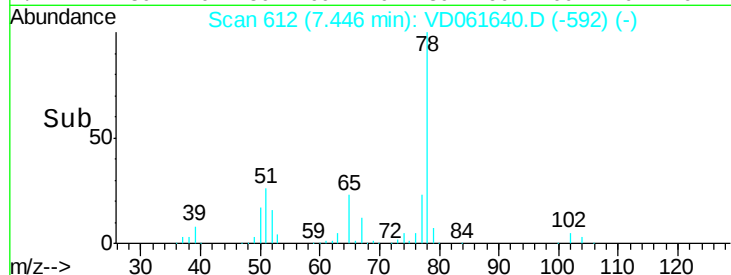
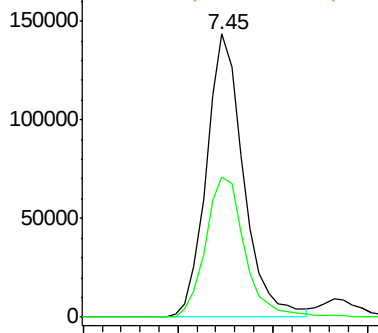
MMDadoda

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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: 8.21 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

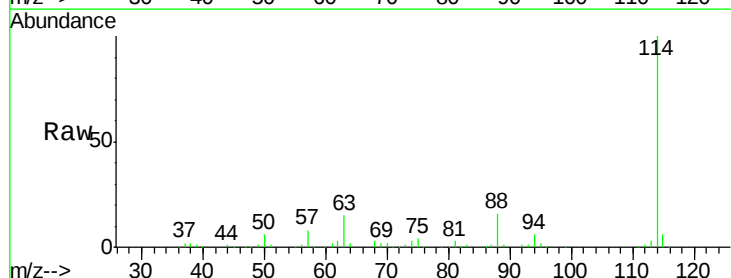
Tgt Ion:114 Resp: 1316975

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.2

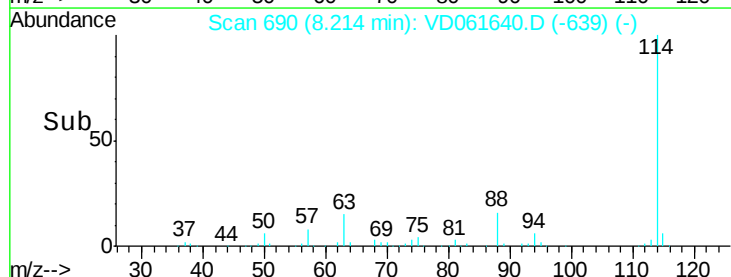
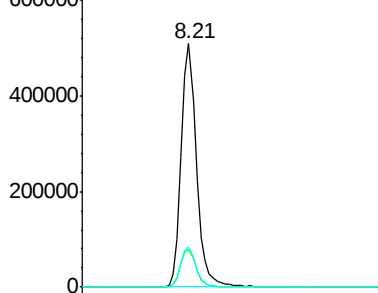
88 16.2 0.0 31.8

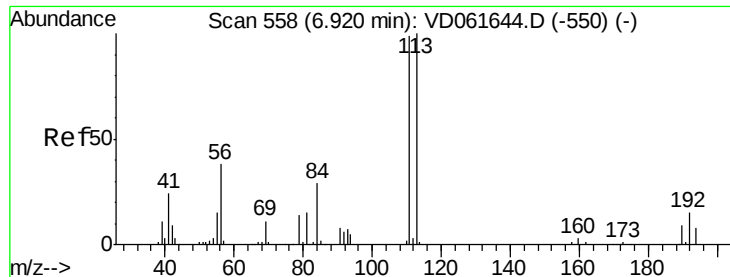


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

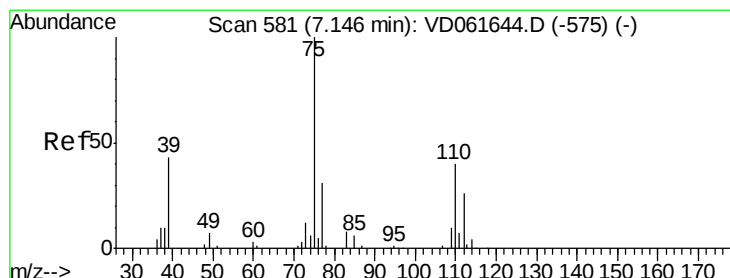
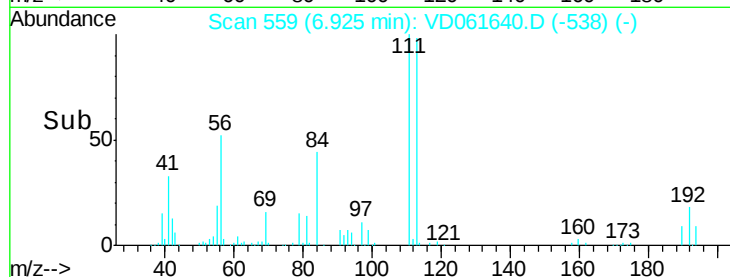
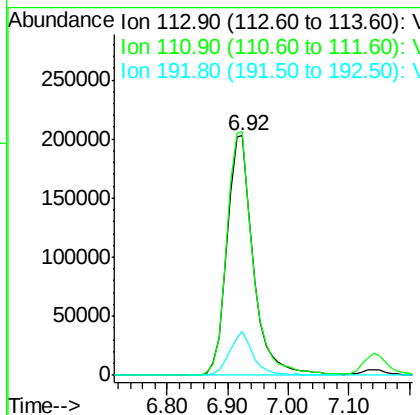
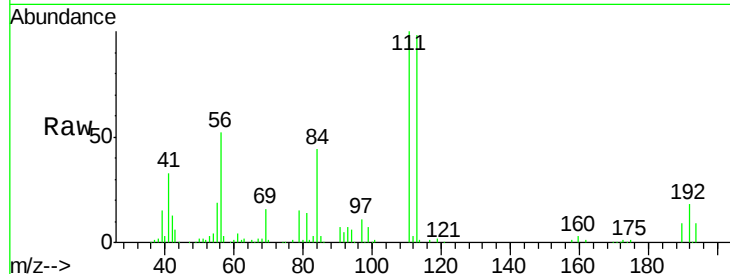
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	612654
Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.3	118.9
192	18.1	12.3	18.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 63.275 ug/l

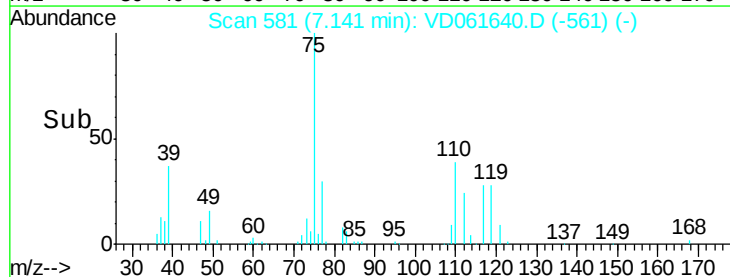
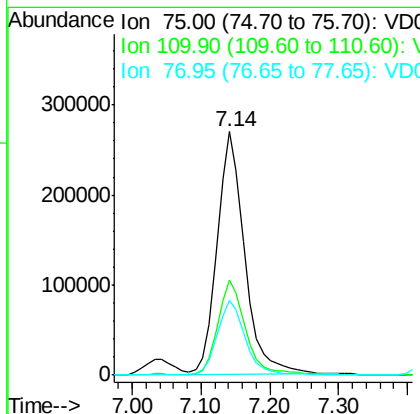
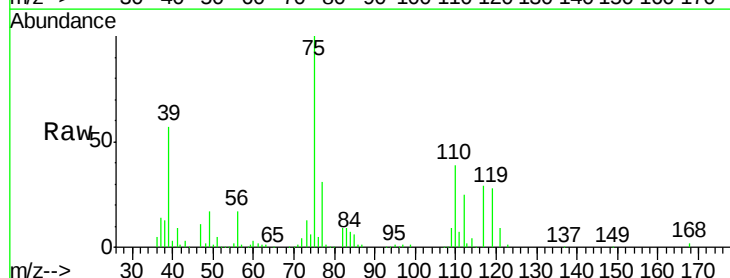
RT: 7.14 min Scan# 581

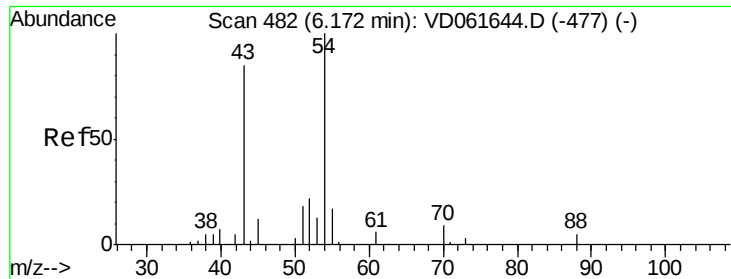
Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion:	75	Resp:	745046
Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.7	59.0
77	30.9	24.8	37.2





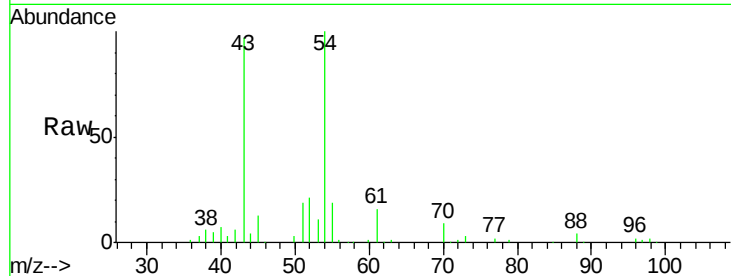
#37
Ethyl Acetate
Concen: 67.384 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

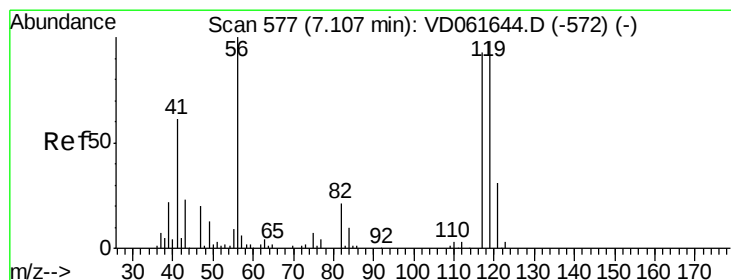
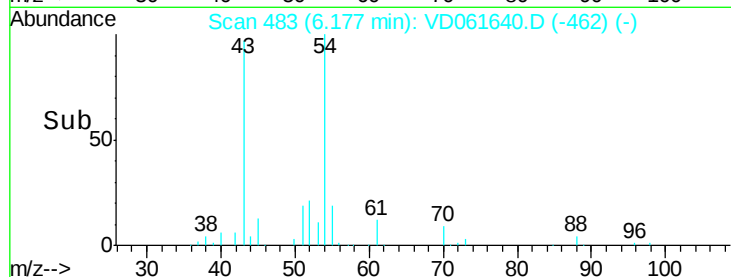
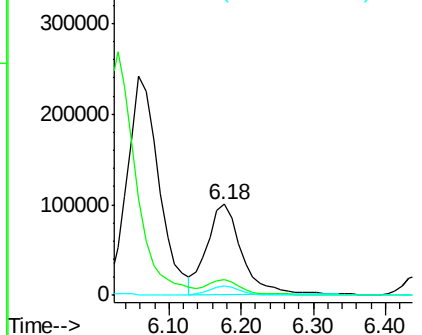
Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	11.9	17.9
70	9.7	6.9	10.3

Manual Integrations
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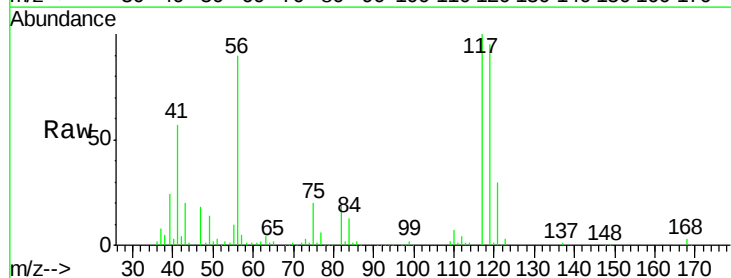


Abundance Ion 42.95 (42.65 to 43.65): VD061640.D (-477) (-)
Ion 60.95 (60.65 to 61.65): VD061640.D (-477) (-)
Ion 70.00 (69.70 to 70.70): VD061640.D (-477) (-)

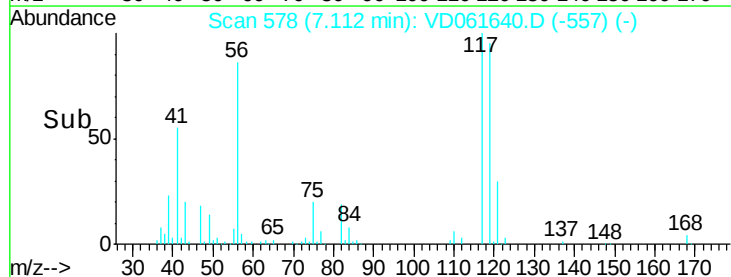
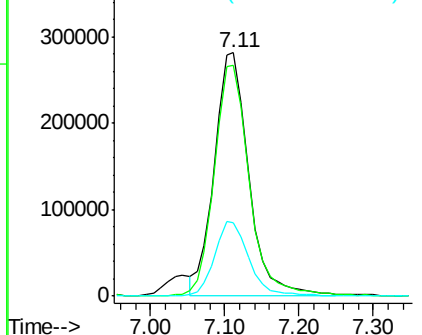


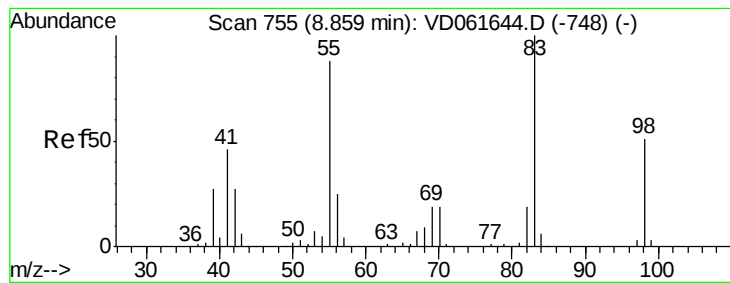
#38
Carbon Tetrachloride
Concen: 67.116 ug/l m
RT: 7.11 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.9	116.9
121	30.3	24.7	37.1



Abundance Ion 116.85 (116.55 to 117.55): VD061640.D (-557) (-)
Ion 118.85 (118.55 to 119.55): VD061640.D (-557) (-)
Ion 120.85 (120.55 to 121.55): VD061640.D (-557) (-)





#39

Methvlcvclohexane

Concen: 68.788 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 844369

Ion Ratio Lower Upper

83 100

55 85.5 70.3 105.5

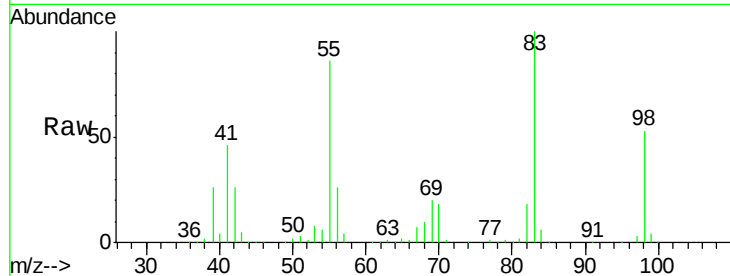
98 52.6 41.0 61.6

Manual Integrations

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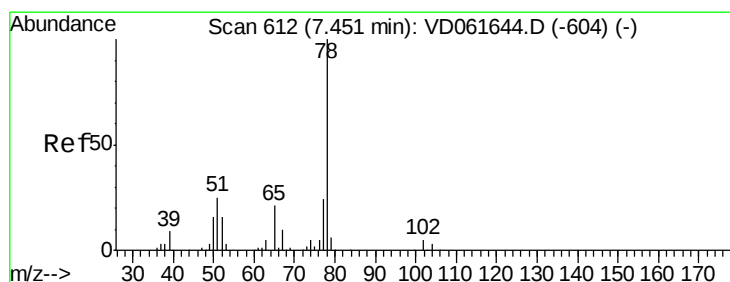
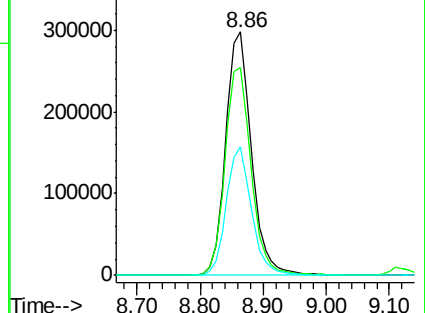
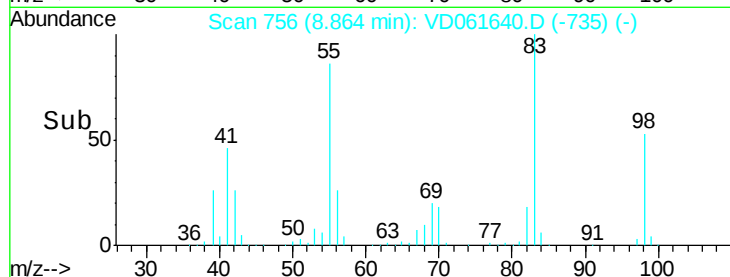
4/11/2019 2:57:27 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 65.315 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061640.D

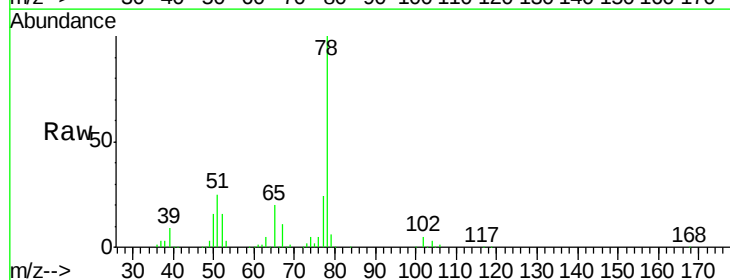
Acq: 6 Apr 2019 13:30

Tgt Ion: 78 Resp: 1860782

Ion Ratio Lower Upper

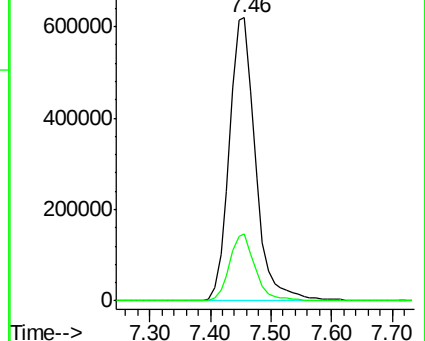
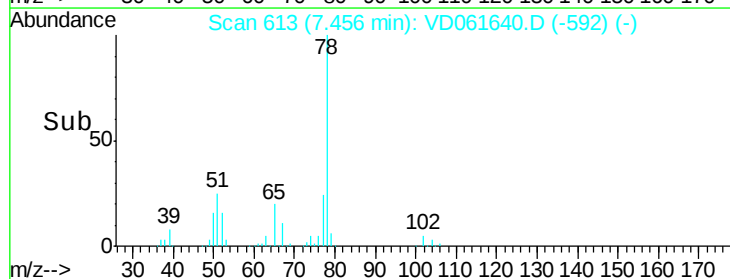
78 100

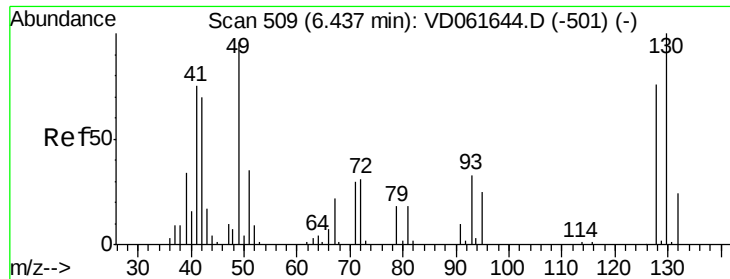
77 23.9 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





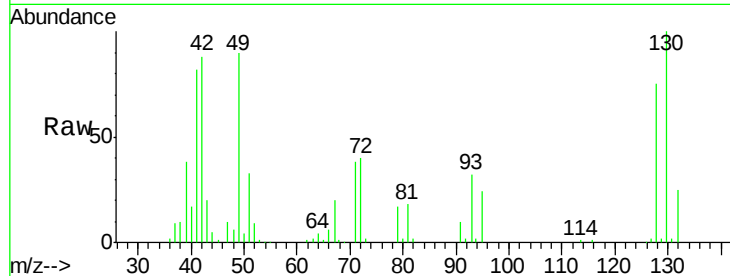
#41
Methacrylonitrile
Concen: 69.036 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	46.4	36.2	54.2	
67	24.2	23.2	34.8	
52	10.5	10.0	15.0	

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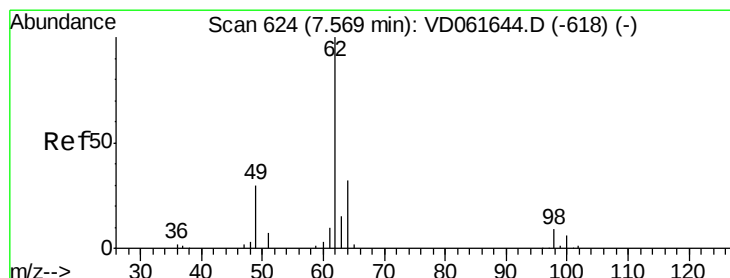
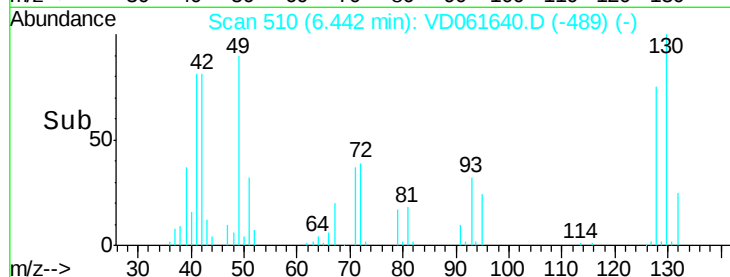
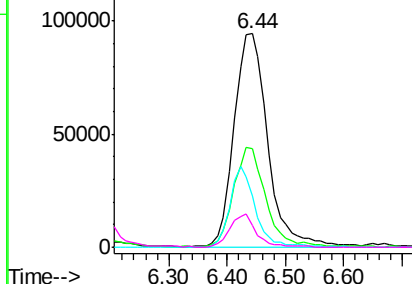
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

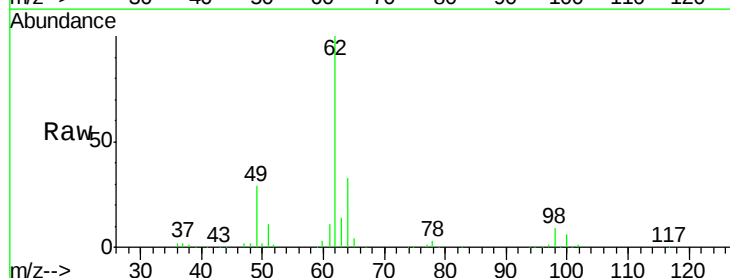
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 66.456 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

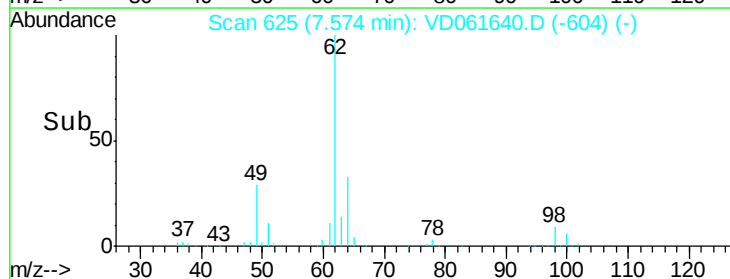
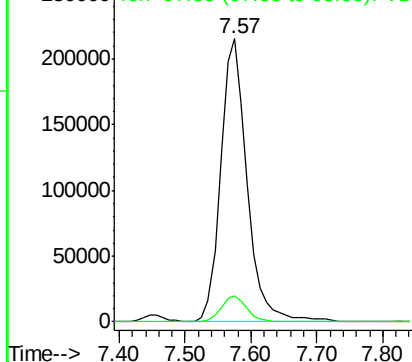
Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.1	0.0	17.8	

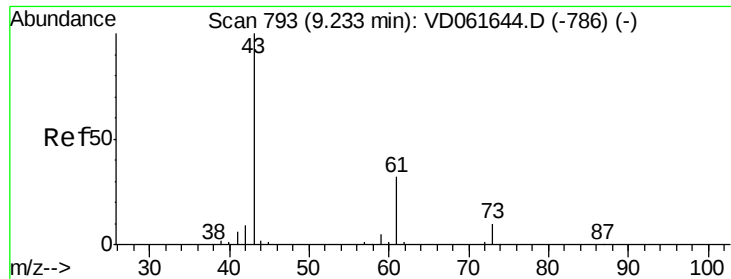


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

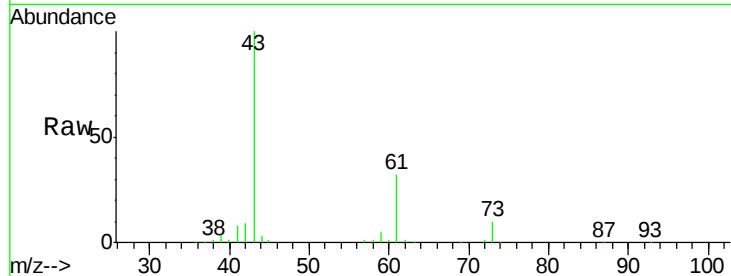
Isopropyl Acetate
 Concen: 70.226 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

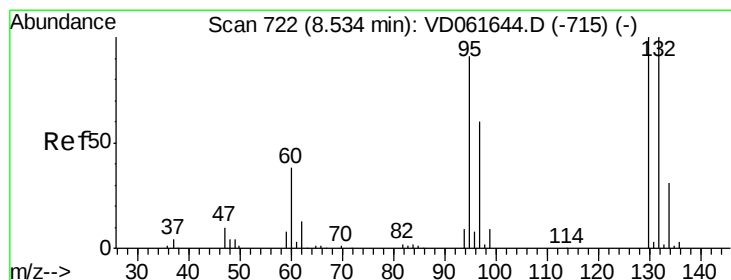
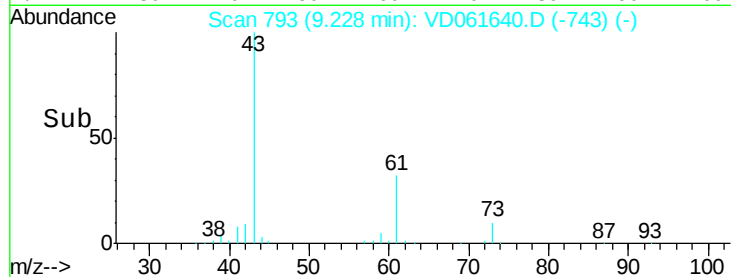
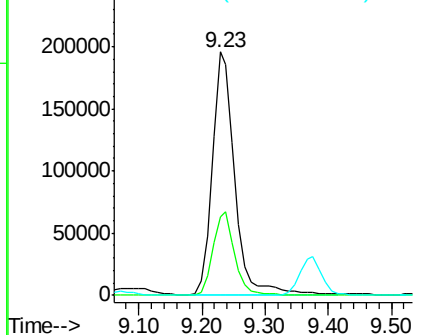
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.9	38.9
87	0.3	0.2	0.4

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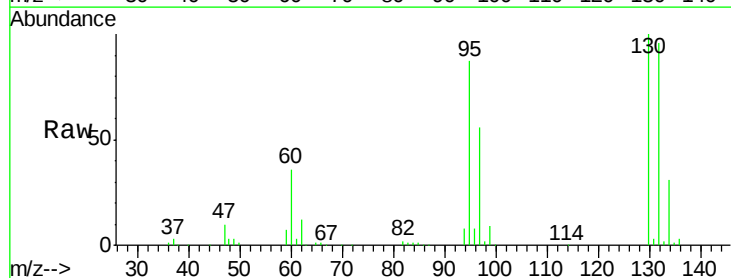
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



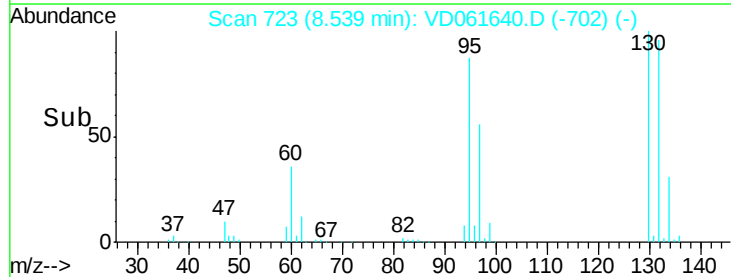
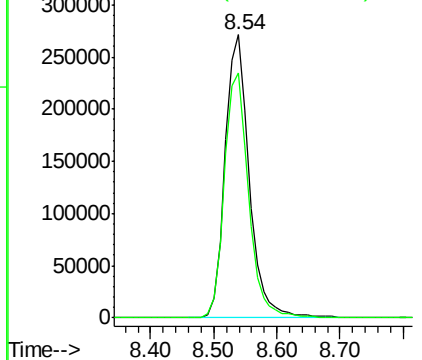
#44

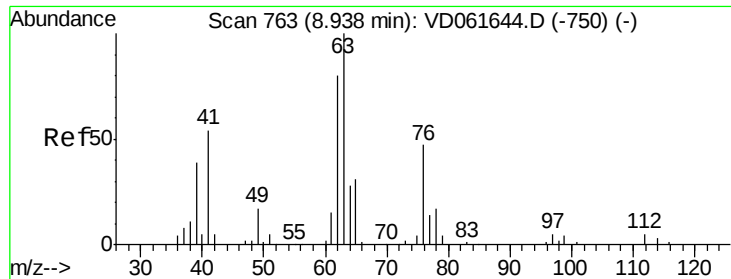
Trichloroethene
 Concen: 66.141 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	181.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 62.782 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 438138

Ion Ratio Lower Upper

63 100

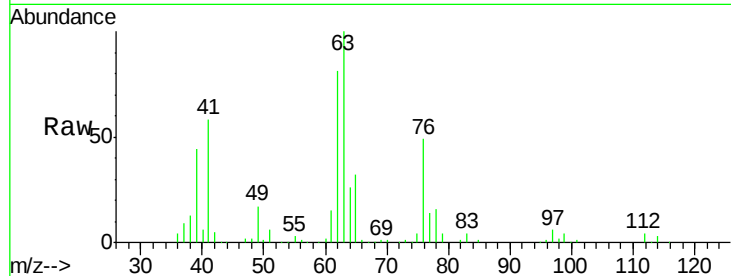
65 32.0 24.5 36.7

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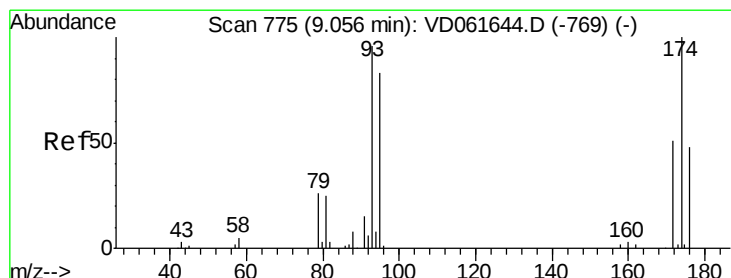
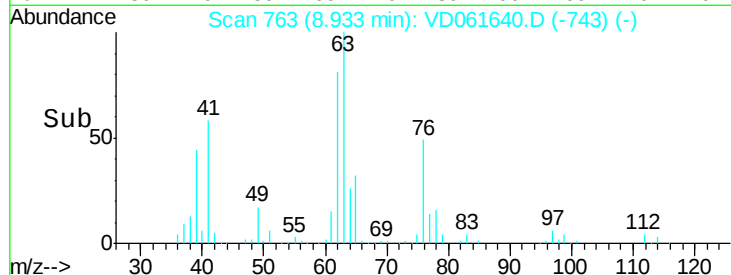
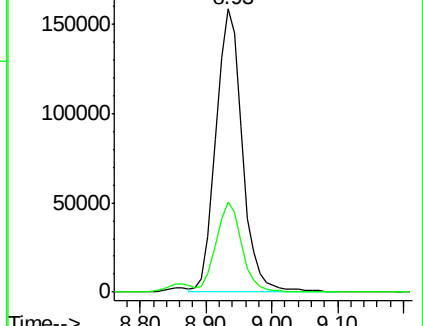
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 71.036 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

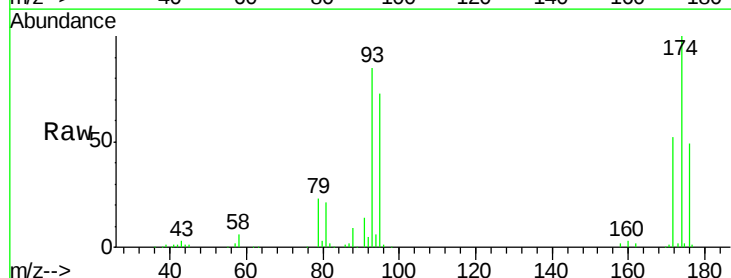
Tgt Ion: 93 Resp: 351391

Ion Ratio Lower Upper

93 100

95 85.5 68.6 103.0

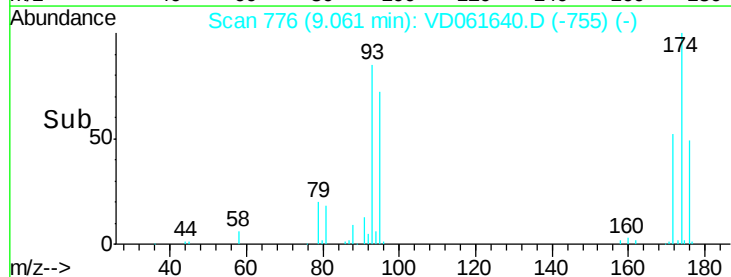
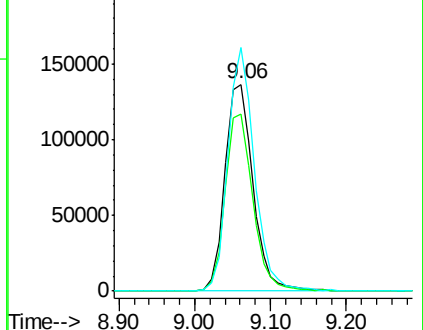
174 117.5 83.0 124.4

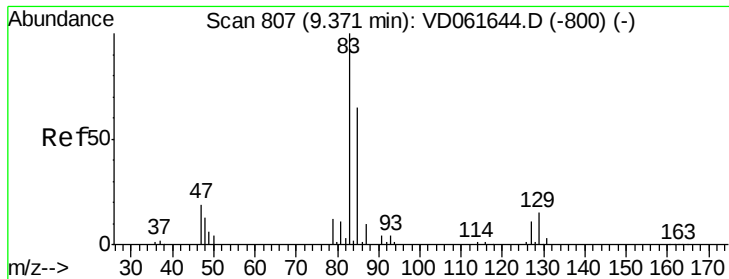


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 67.652 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

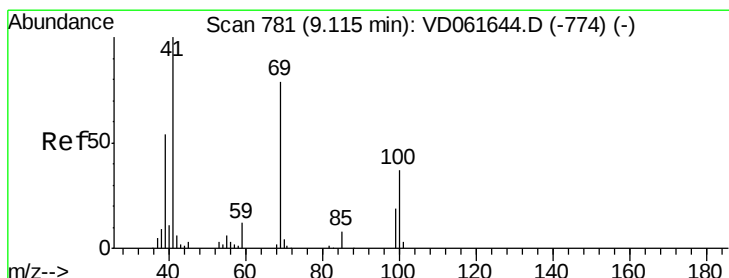
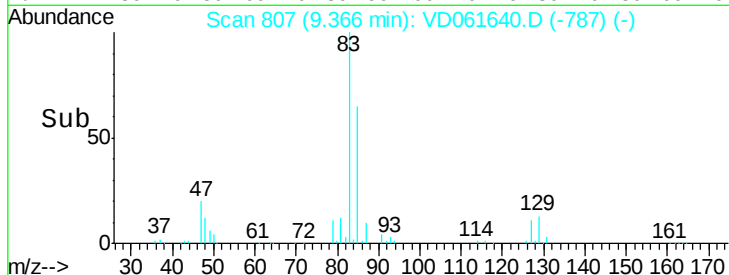
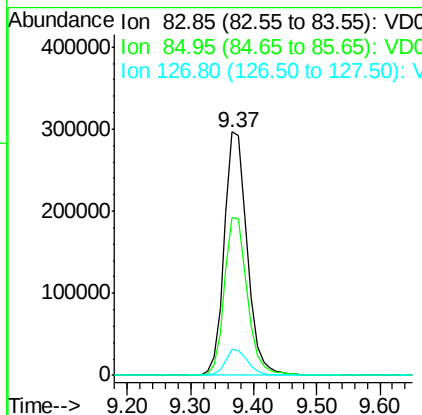
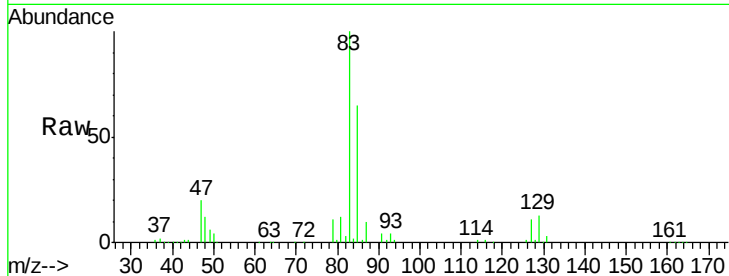
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	748053
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6
127	10.6	9.0	13.6

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#48

Methyl methacrylate

Concen: 76.142 ug/l

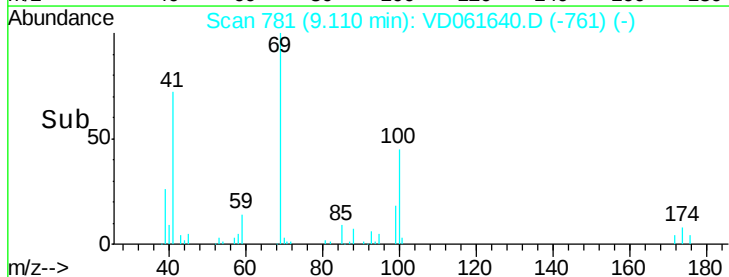
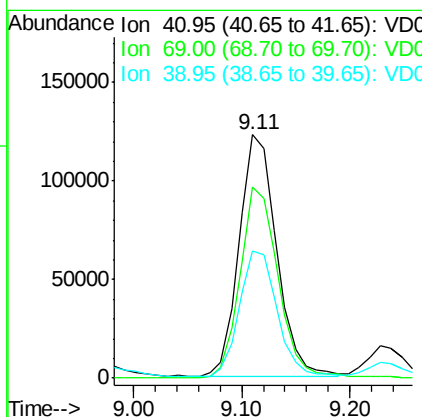
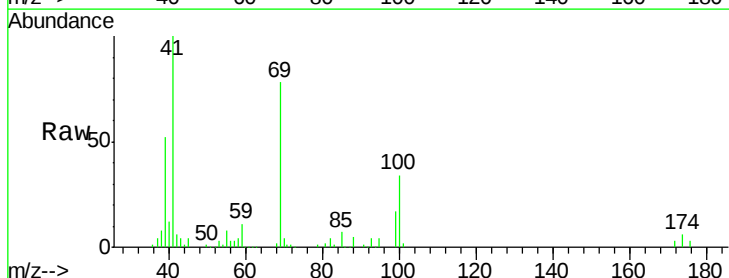
RT: 9.11 min Scan# 781

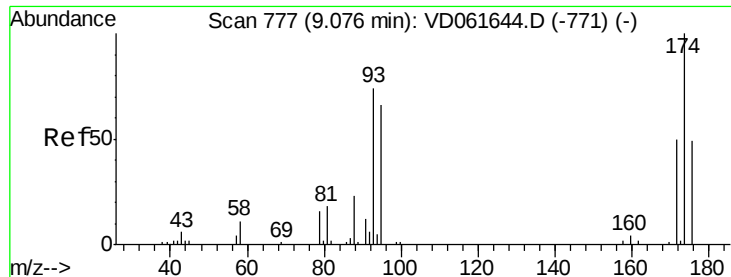
Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion:	41	Resp:	295739
Ion	Ratio	Lower	Upper
41	100		
69	78.3	63.1	94.7
39	52.3	43.8	65.8





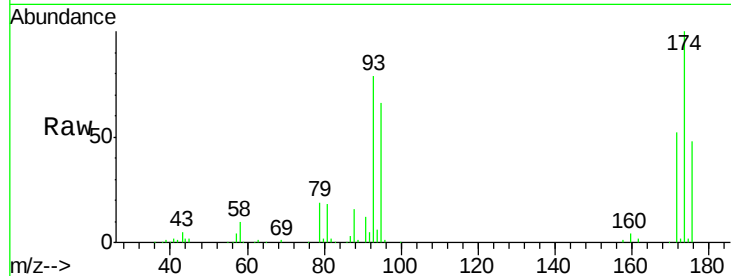
#49
1,4-Dioxane
Concen: 1559.325 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

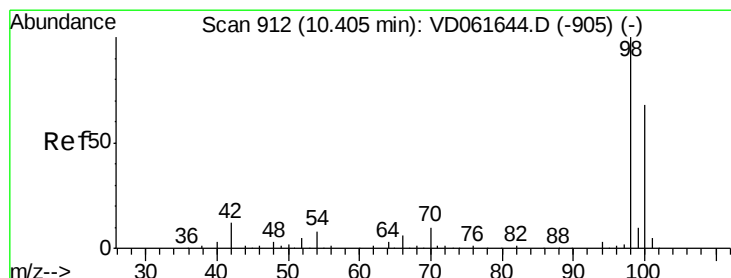
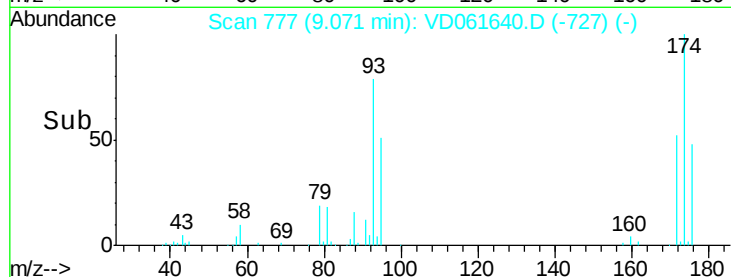
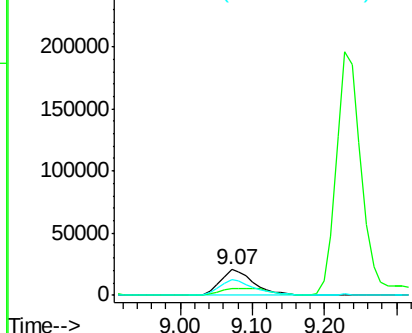
Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	21.8	32.8
58	63.3	40.2	60.2

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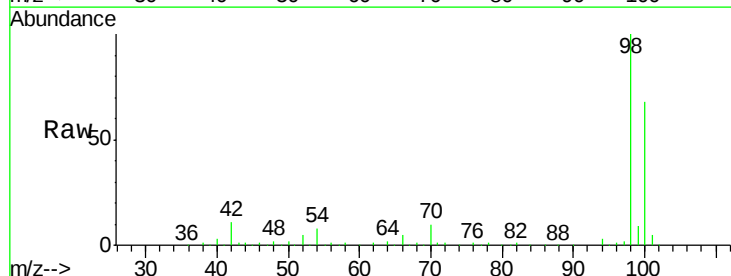


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

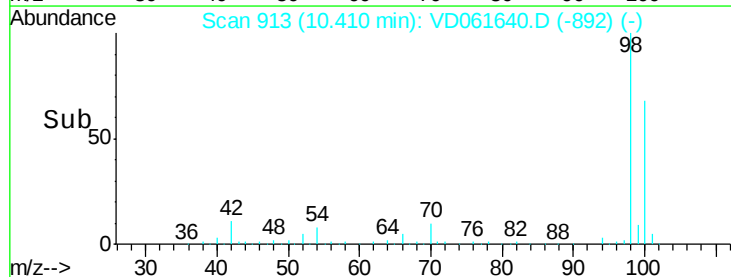
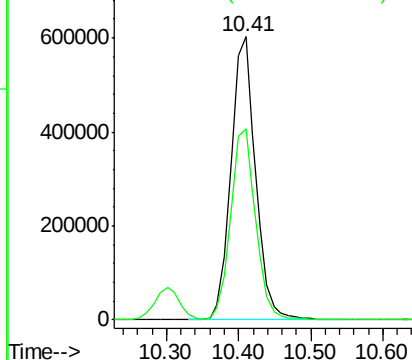


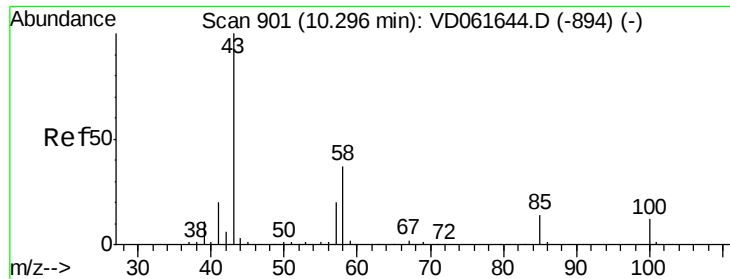
#50
Toluene-d8
Concen: 1559.325 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





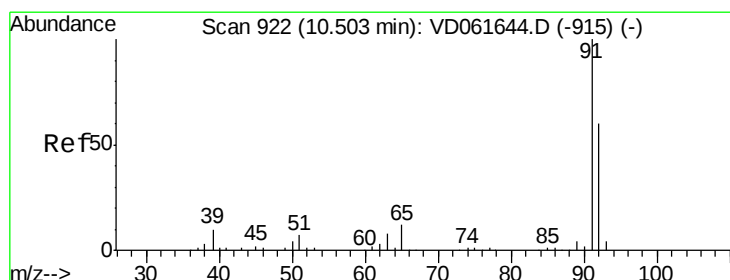
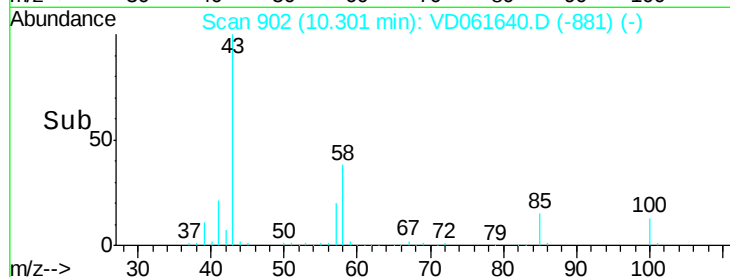
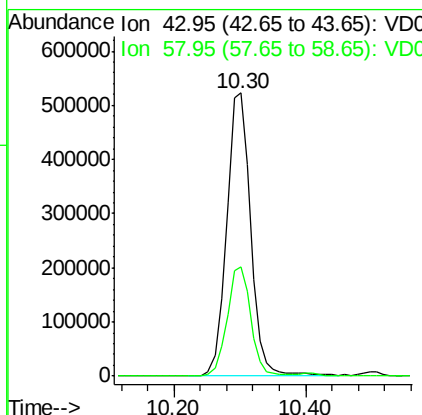
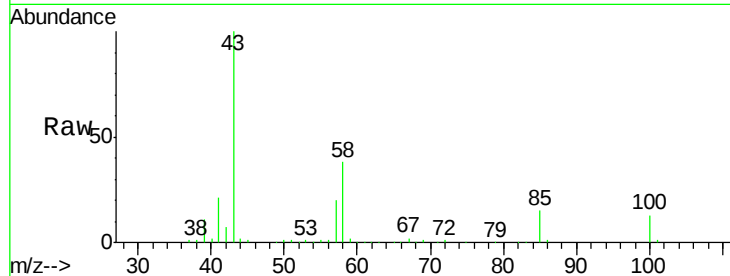
#51
4-Methyl-2-Pentanone
Concen: 322.868 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1335447
Ion Ratio Lower Upper
43 100
58 38.4 29.8 44.8

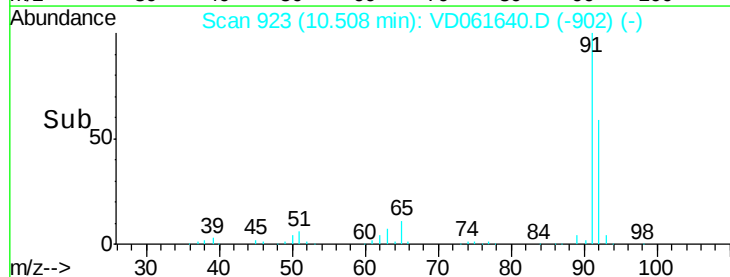
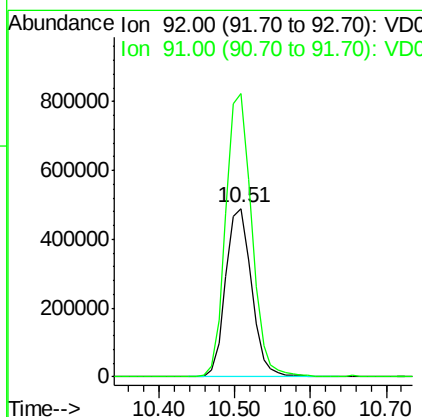
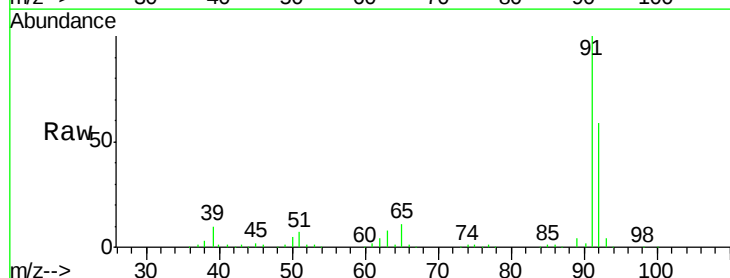
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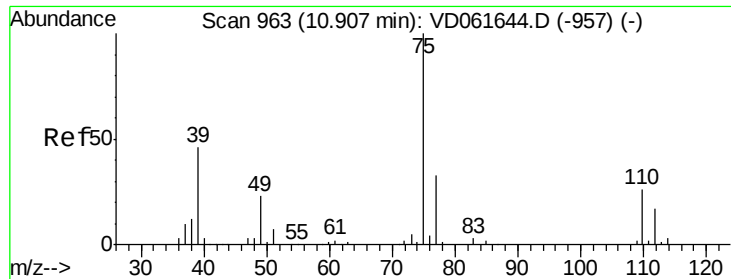
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#52
Toluene
Concen: 65.892 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 92 Resp: 1162854
Ion Ratio Lower Upper
92 100
91 168.1 133.0 199.4





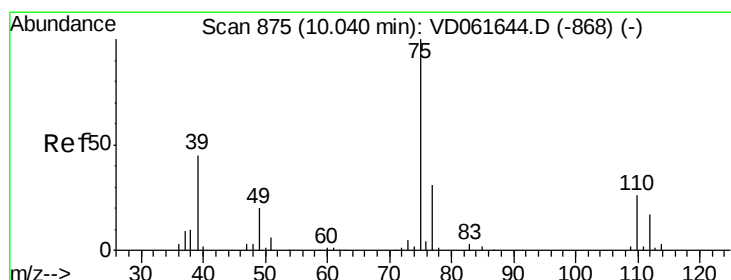
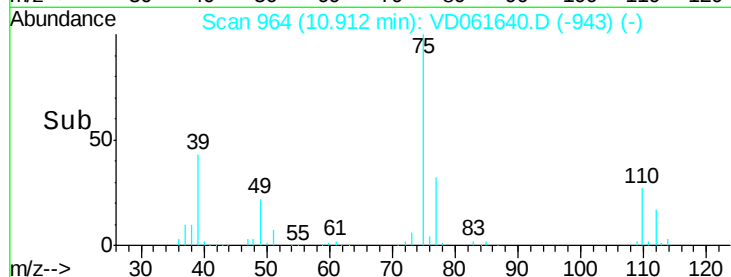
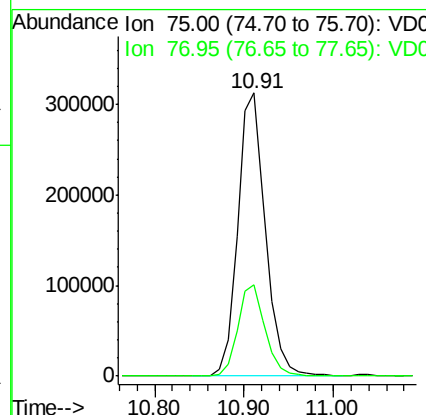
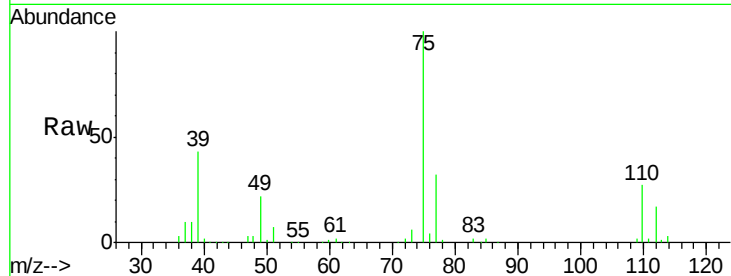
#53
 t-1,3-Dichloropropene
 Concen: 68.947 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 75 Resp: 673288
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2

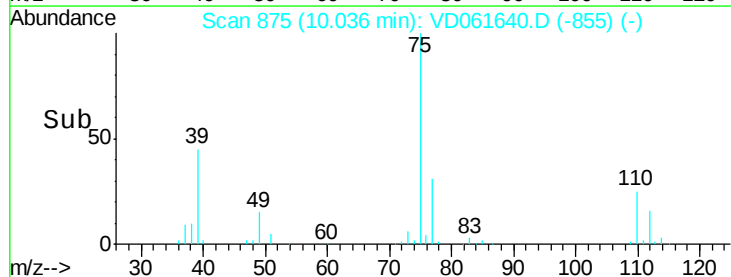
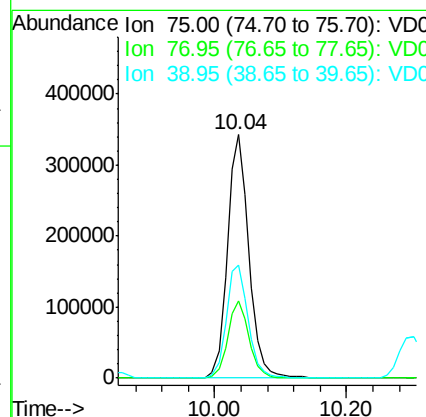
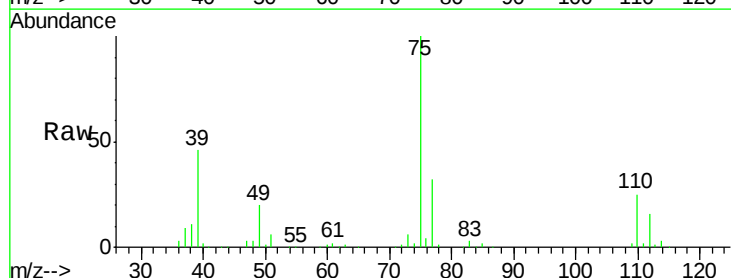
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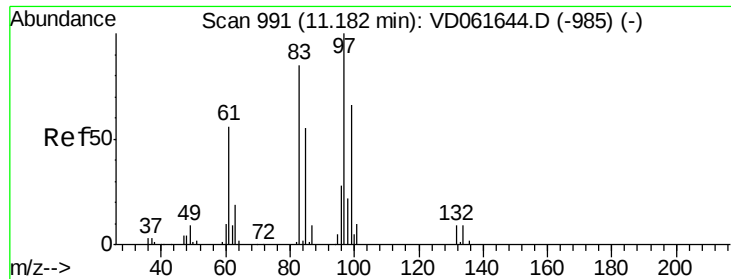
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#54
 cis-1,3-Dichloropropene
 Concen: 64.591 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion: 75 Resp: 777008
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 37.0
 39 46.3 36.2 54.2





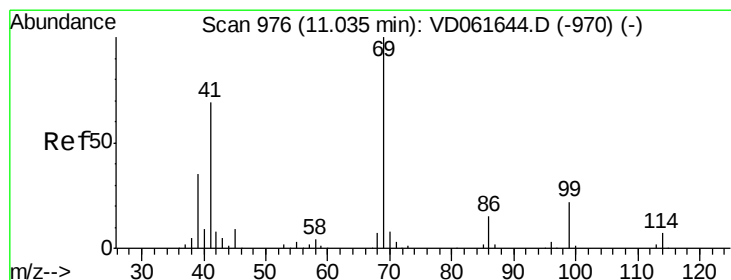
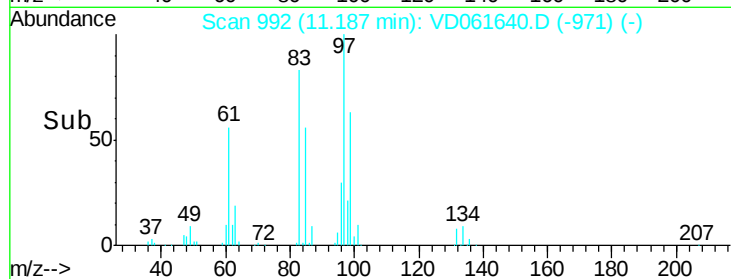
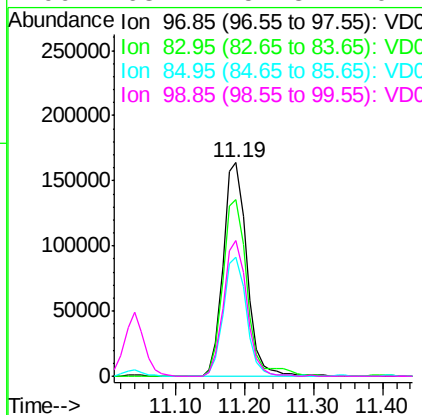
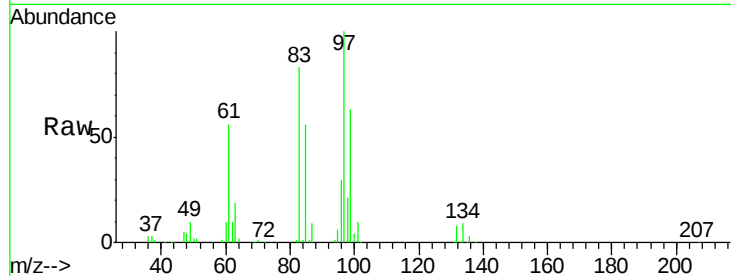
#55
 1,1,2-Trichloroethane
 Concen: 67.265 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	391395
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.8	101.6
85	55.6	43.8	65.8
99	63.4	52.8	79.2

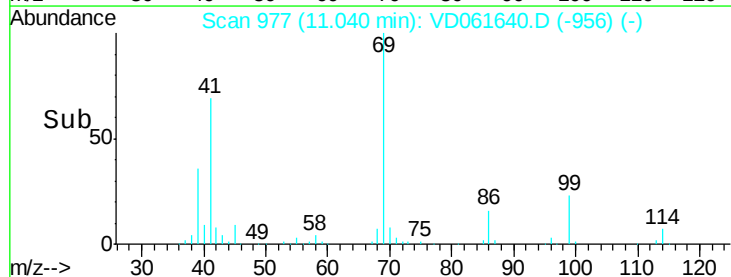
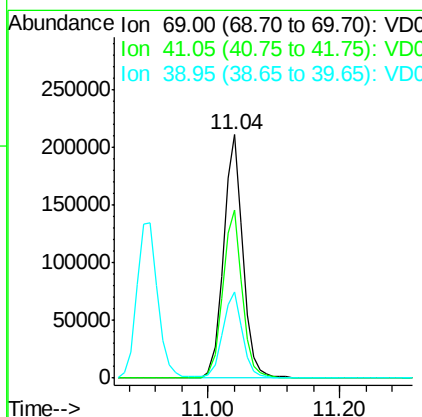
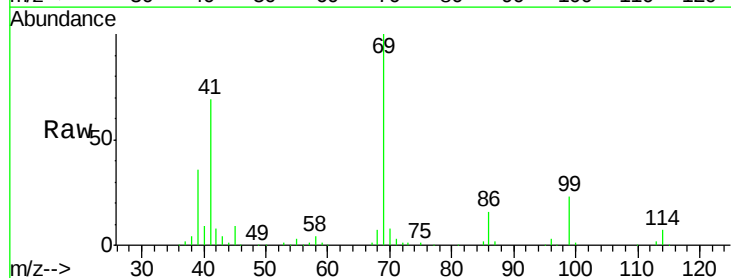
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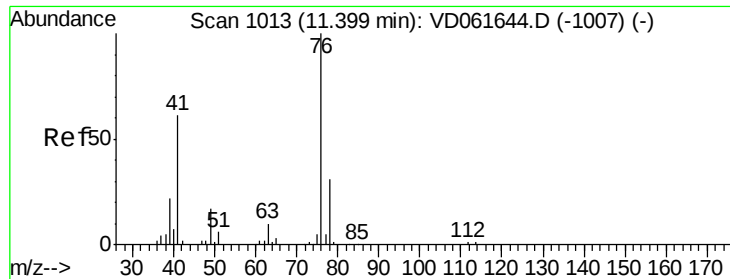
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#56
 Ethyl methacrylate
 Concen: 68.126 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion:	69	Resp:	430715
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.2	82.8
39	35.6	28.6	43.0





#57

1,3-Dichloropropane

Concen: 64.808 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 569371

Ion Ratio Lower Upper

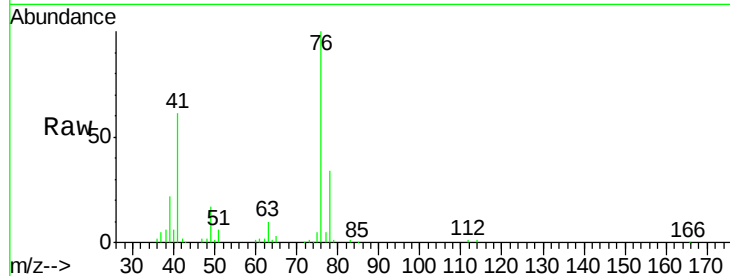
76 100

78 33.6 24.5 36.7

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

250000

200000

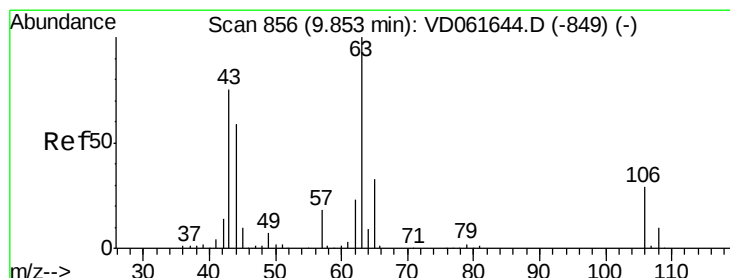
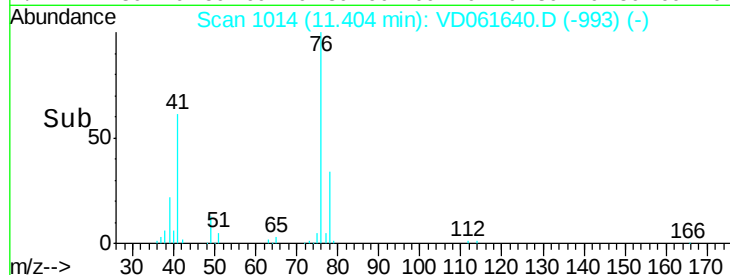
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 332.407 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD061640.D

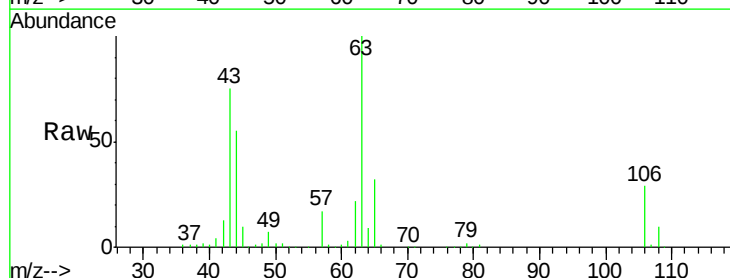
Acq: 6 Apr 2019 13:30

Tgt Ion: 63 Resp: 952118

Ion Ratio Lower Upper

63 100

106 29.3 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

400000

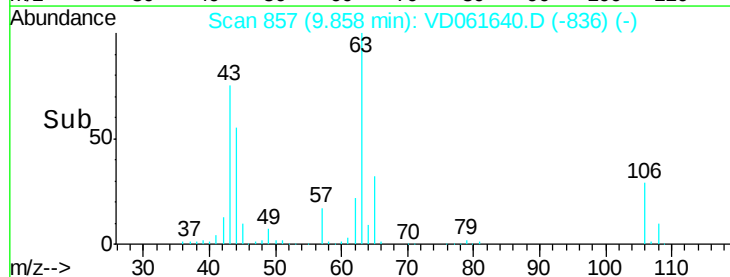
300000

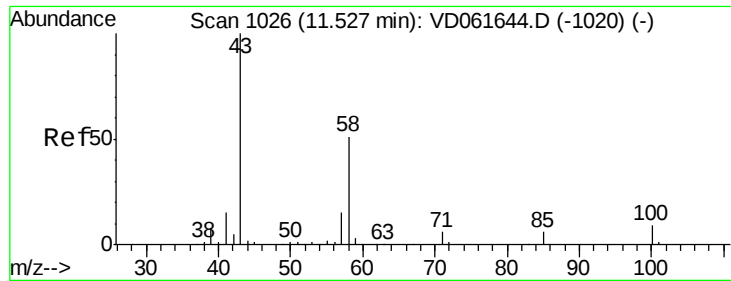
200000

100000

0

Time-->





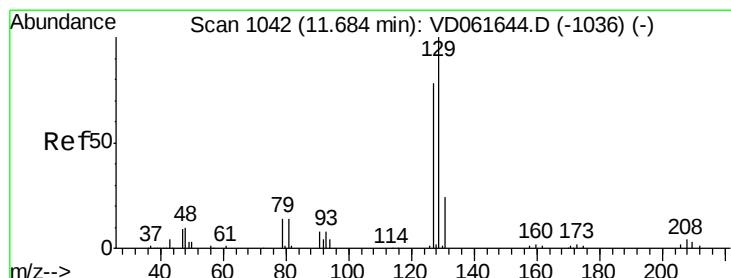
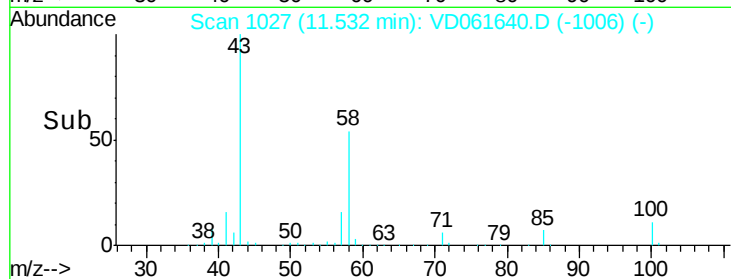
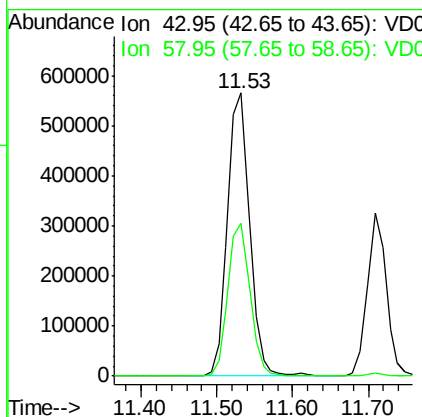
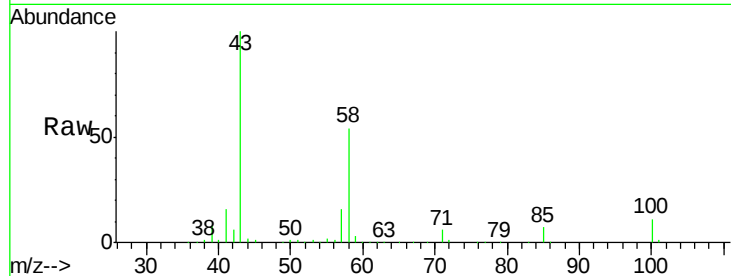
#59
2-Hexanone
Concen: 368.266 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1149542
Ion Ratio Lower Upper
43 100
58 53.9 25.6 76.8

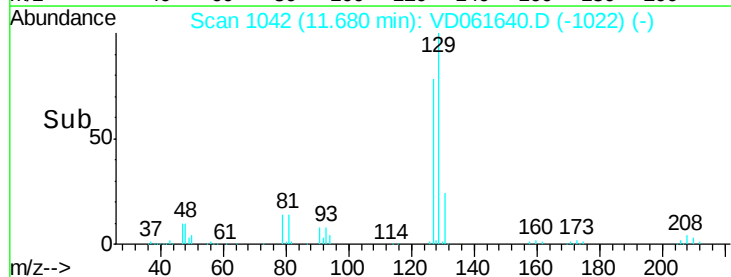
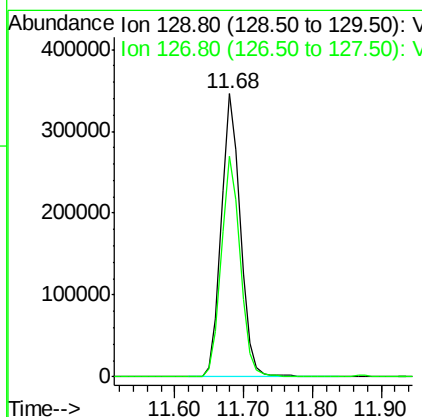
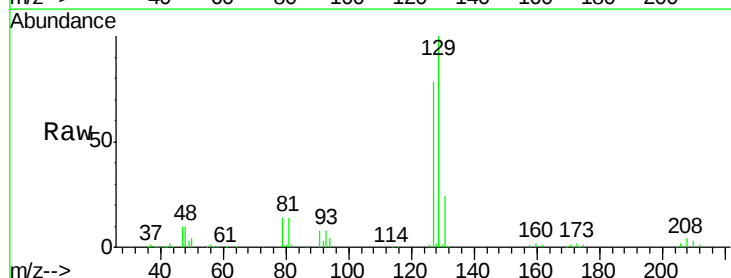
Manual Integrations
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#60
Dibromochloromethane
Concen: 71.963 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 129 Resp: 666522
Ion Ratio Lower Upper
129 100
127 78.1 38.8 116.4





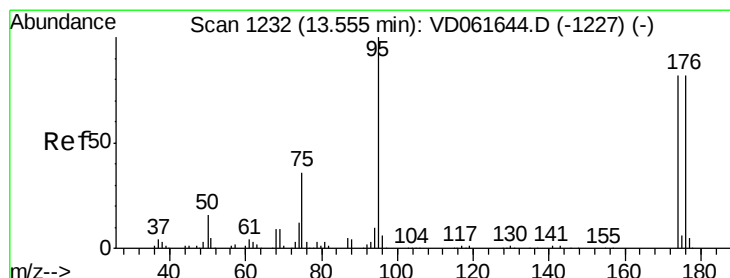
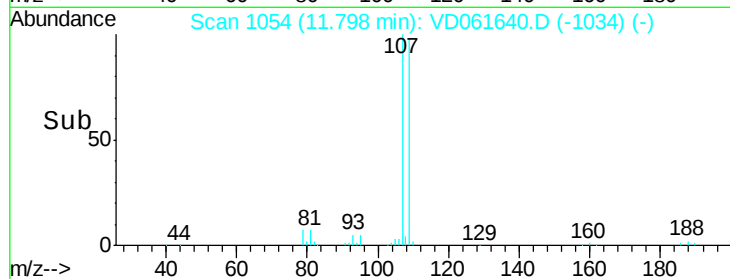
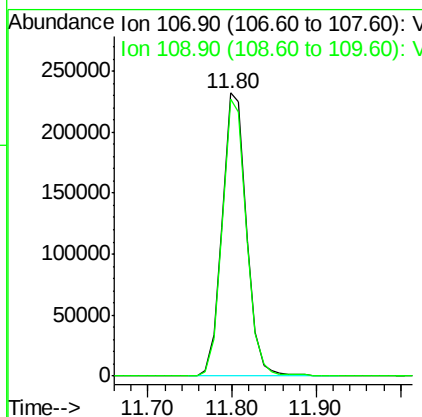
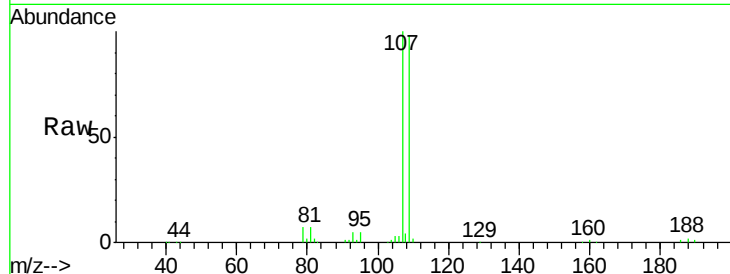
#61
 1,2-Dibromoethane
 Concen: 67.580 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 107 Resp: 464035
 Ion Ratio Lower Upper
 107 100
 109 97.7 79.2 118.8

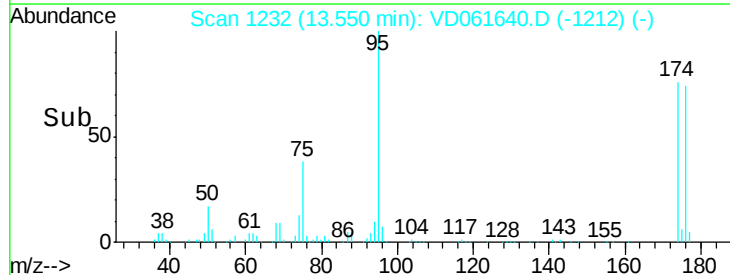
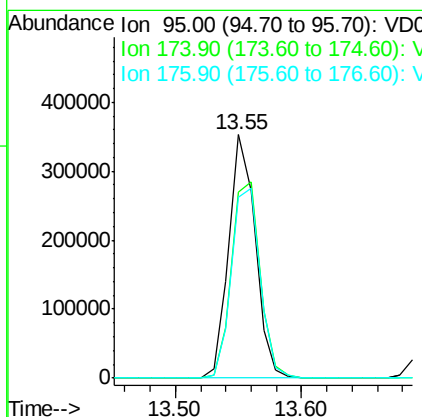
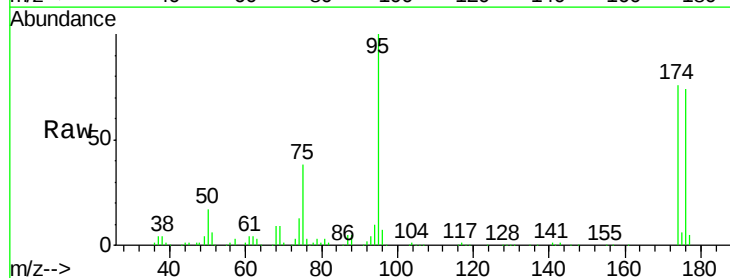
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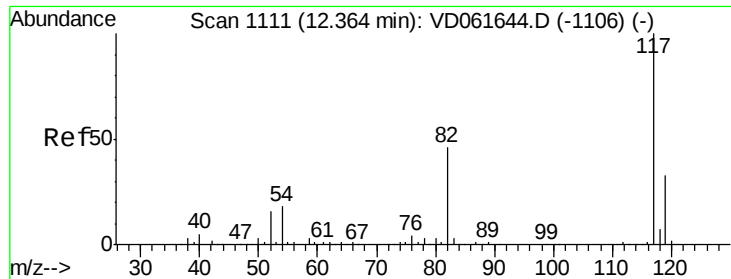
MMDadoda
 4/11/2019 2:57:27 AM



#62
 4-Bromofluorobenzene
 Concen: 67.580 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion: 95 Resp: 510532
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 164.6
 176 74.3 0.0 165.0





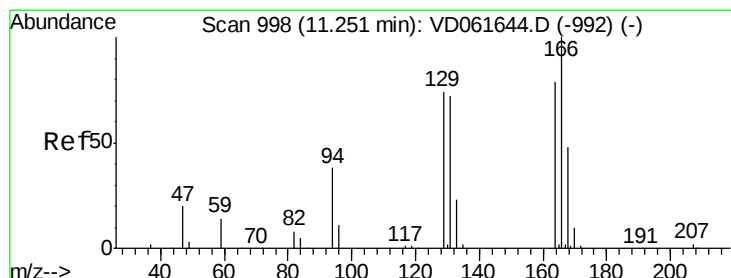
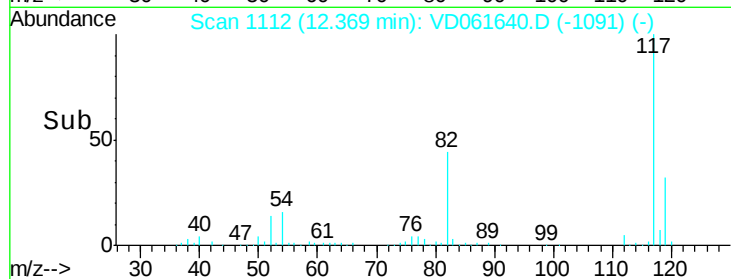
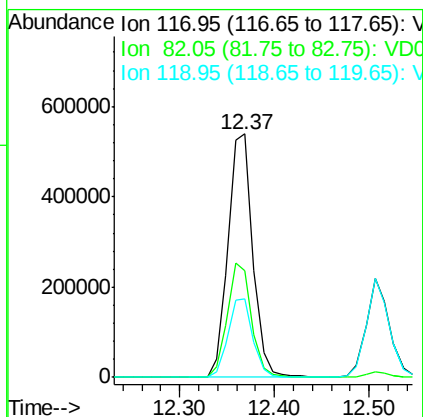
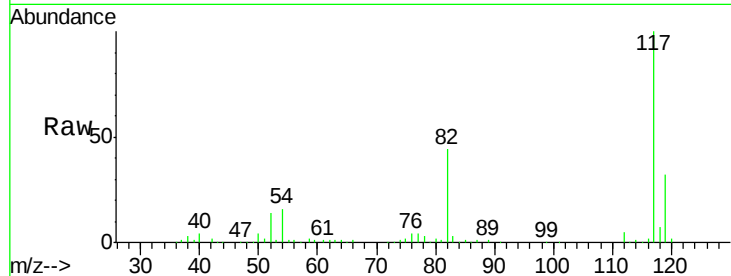
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	43.8	36.8	55.2
119	32.5	26.1	39.1

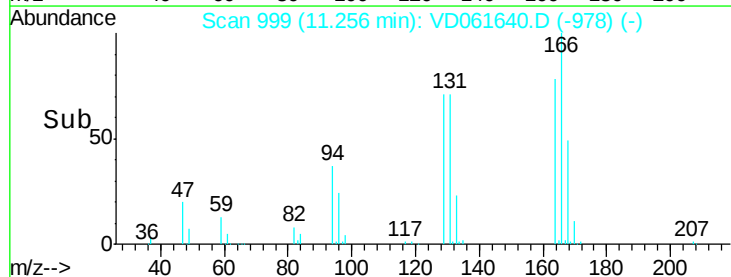
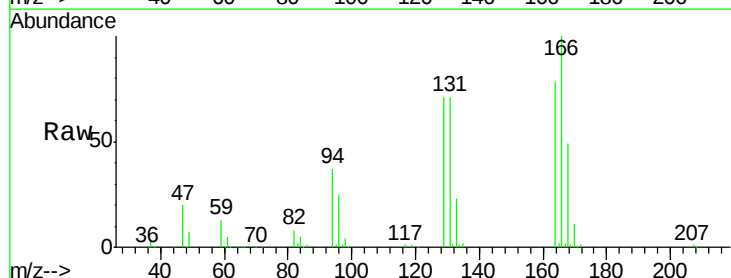
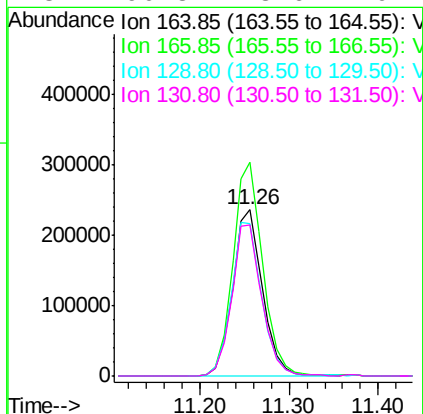
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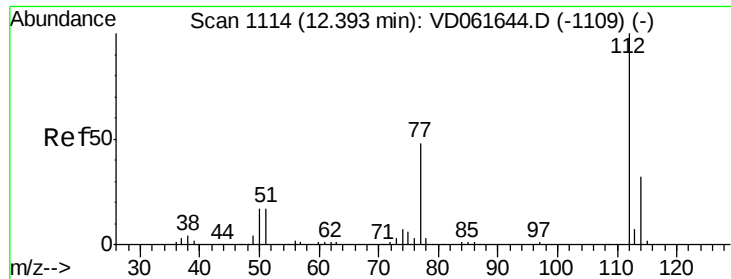
MMDadoda
4/11/2019 2:57:27 AM



#64
Tetrachloroethene
Concen: 73.571 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.8	152.8
129	91.3	75.4	113.0
131	90.8	73.6	110.4





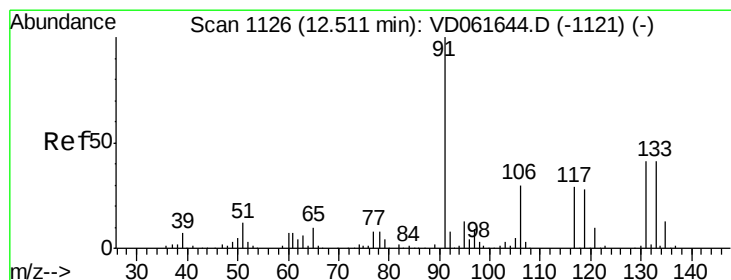
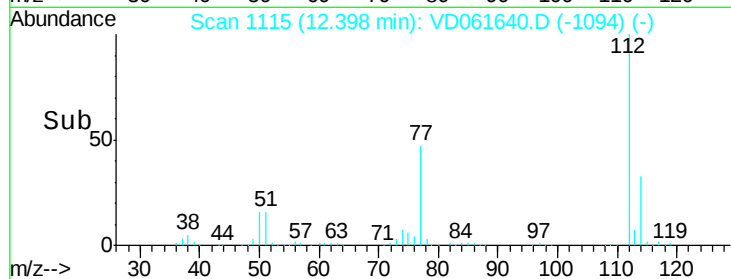
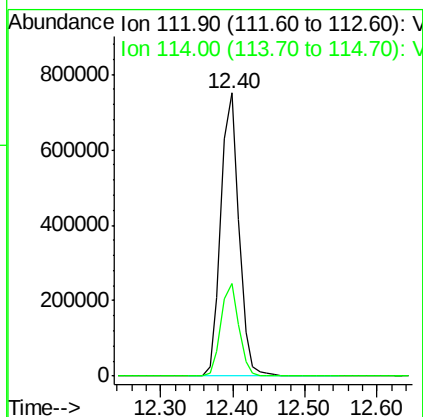
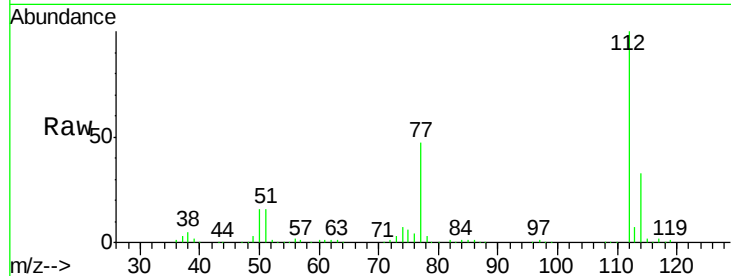
#65
Chlorobenzene
Concen: 67.568 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1301897
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4

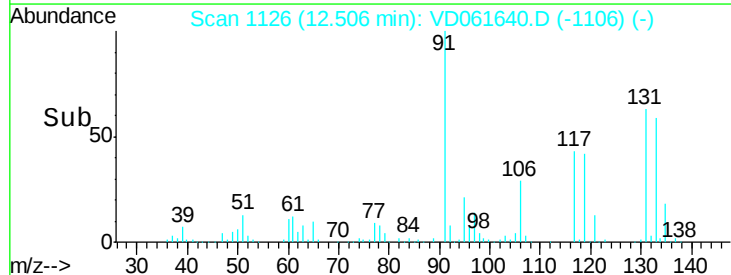
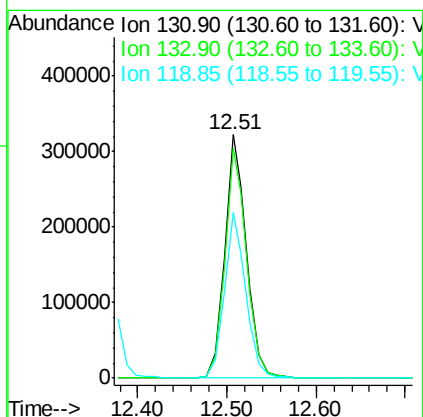
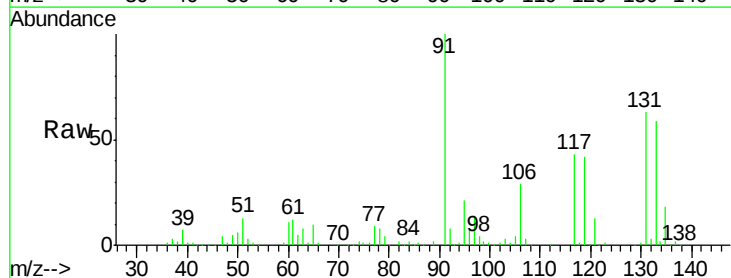
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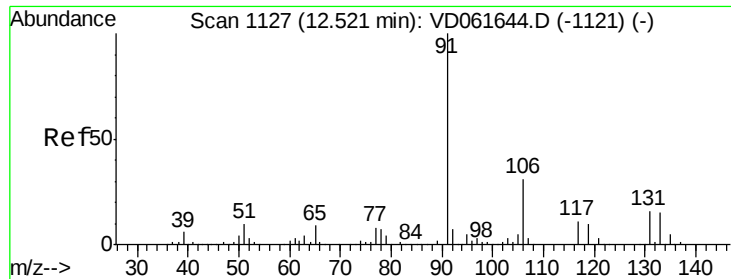
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#66
1,1,1,2-Tetrachloroethane
Concen: 72.052 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:131 Resp: 552061
Ion Ratio Lower Upper
131 100
133 94.2 49.5 148.3
119 67.9 34.7 104.1





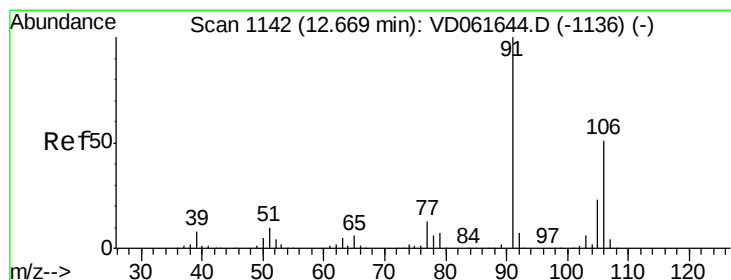
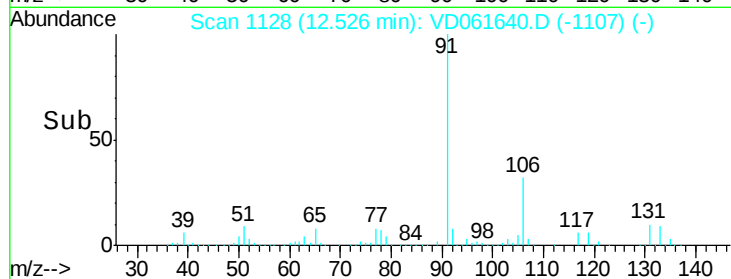
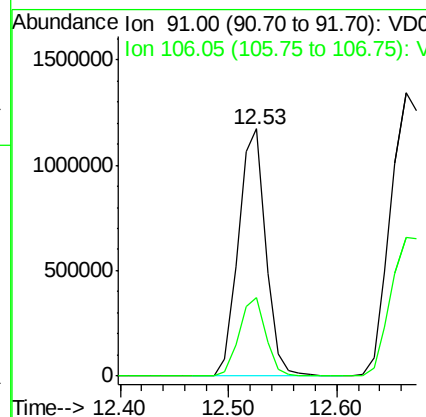
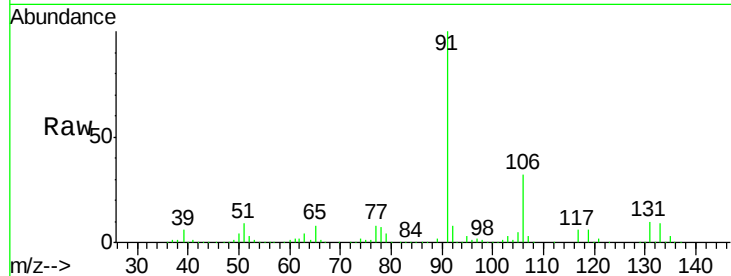
#67
Ethyl Benzene
Concen: 67.066 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

Tot Ion: 91 Resp: 2058387
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0

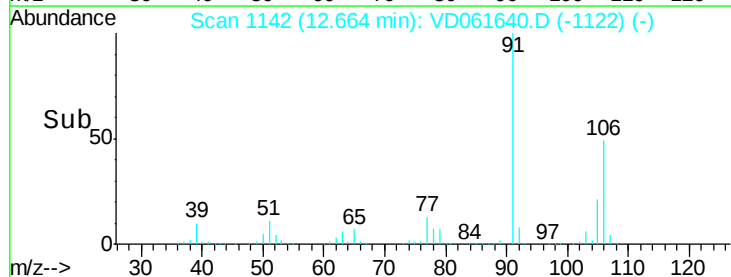
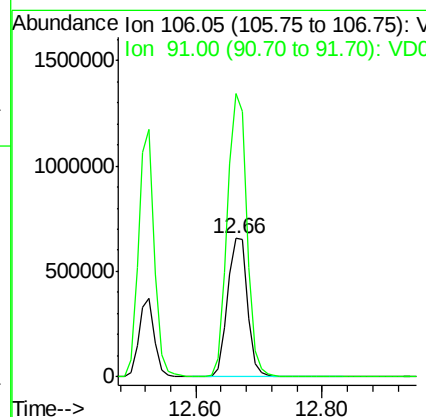
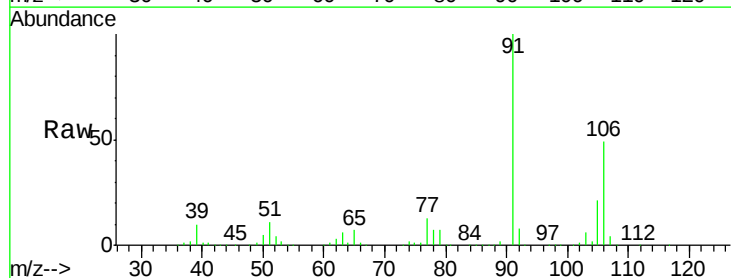
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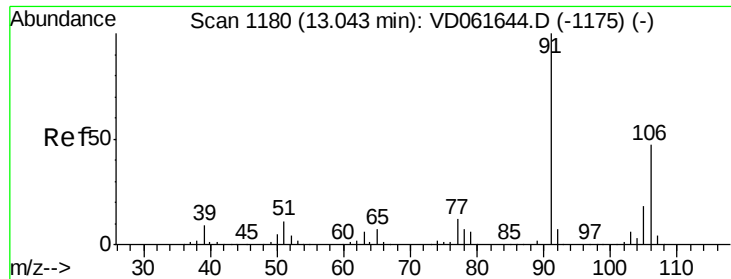
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#68
m/p-Xylenes
Concen: 127.049 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:106 Resp: 1440303
Ion Ratio Lower Upper
106 100
91 204.7 156.7 235.1





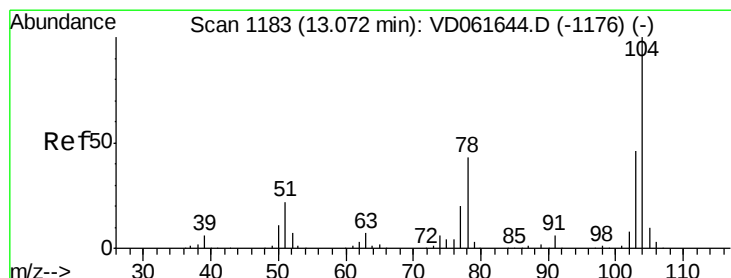
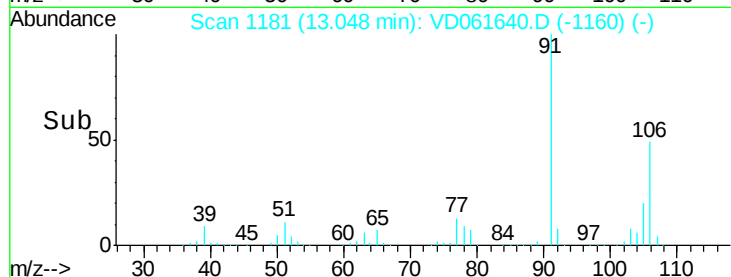
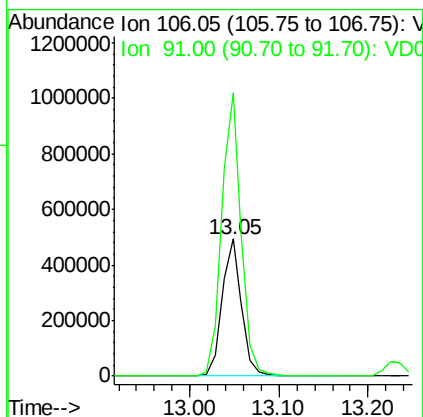
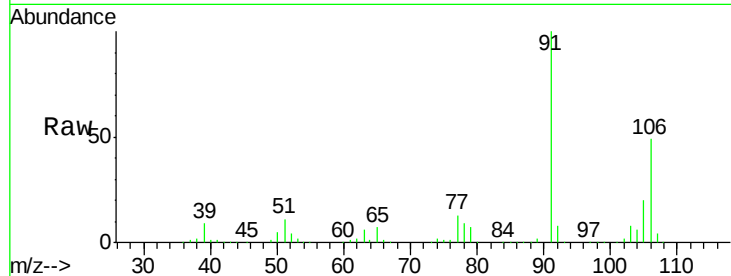
#69
o-Xylene
Concen: 68.434 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 750303
Ion Ratio Lower Upper
106 100
91 206.1 107.3 321.9

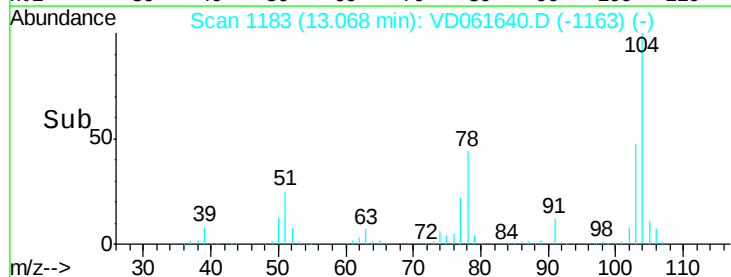
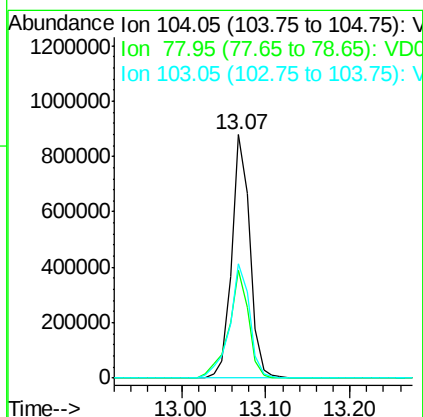
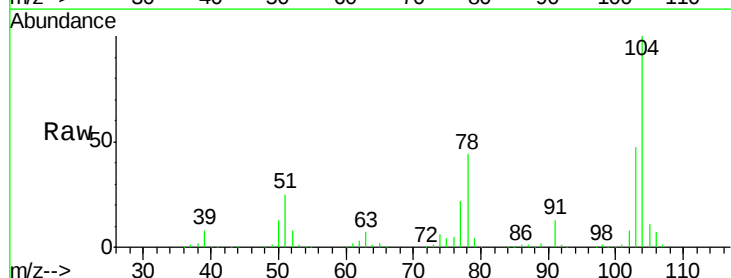
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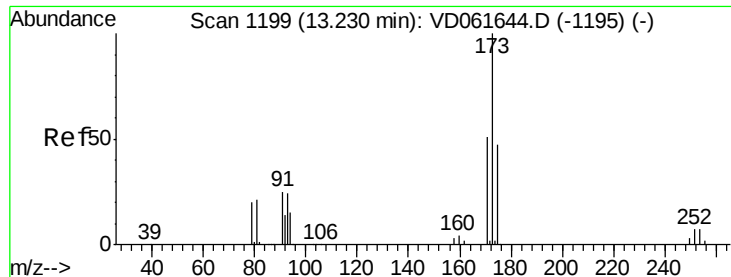
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4/11/2019 2:57:27 AM



#70
Styrene
Concen: 69.869 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:104 Resp: 1311797
Ion Ratio Lower Upper
104 100
78 44.1 34.2 51.4
103 46.9 37.2 55.8





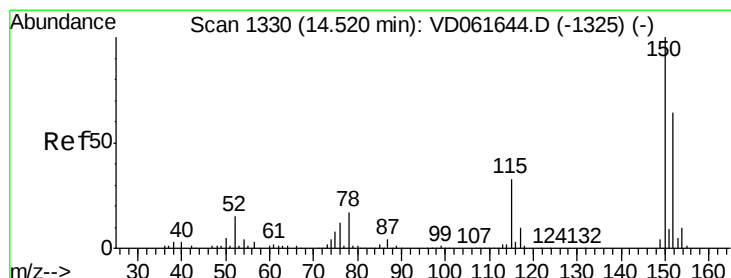
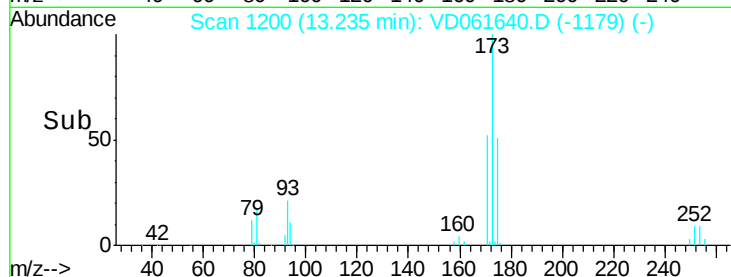
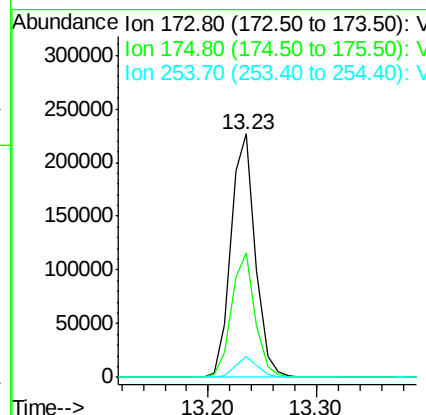
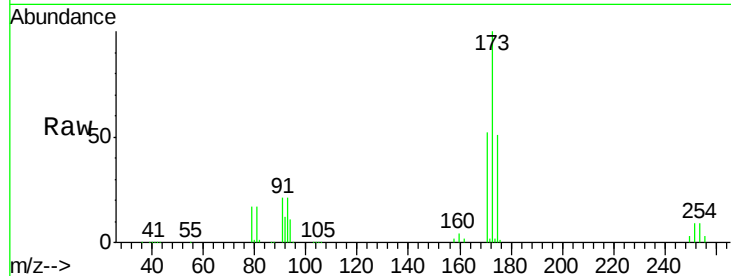
#71
Bromoform
Concen: 77.339 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:173 Resp: 353627
Ion Ratio Lower Upper
173 100
175 51.4 23.7 71.1
254 8.7 5.8 8.6#

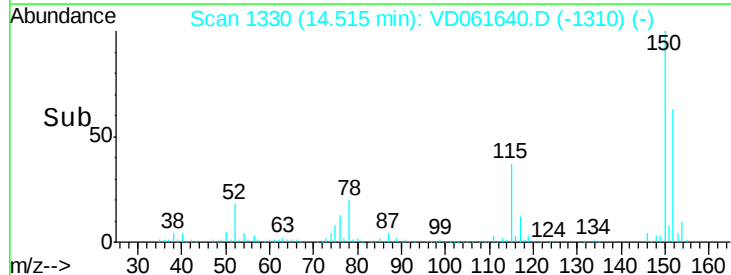
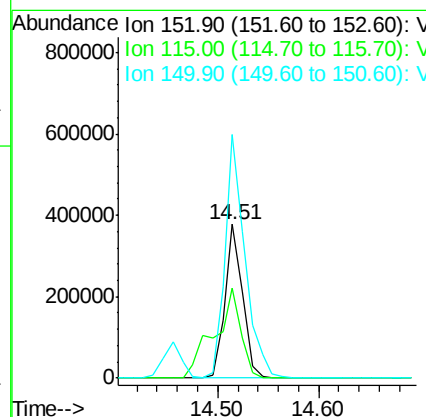
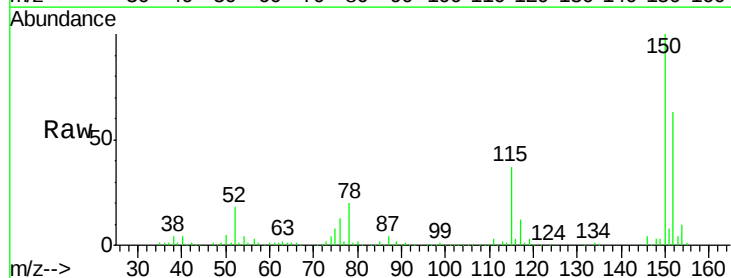
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:152 Resp: 460681
Ion Ratio Lower Upper
152 100
115 58.3 26.4 79.2
150 158.6 0.0 320.6





#73

Isopropylbenzene

Concen: 68.341 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2118942

Ion Ratio Lower Upper

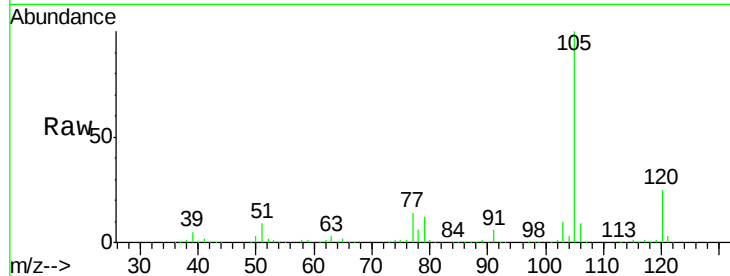
105 100

120 24.9 12.2 36.4

Manual Integrations
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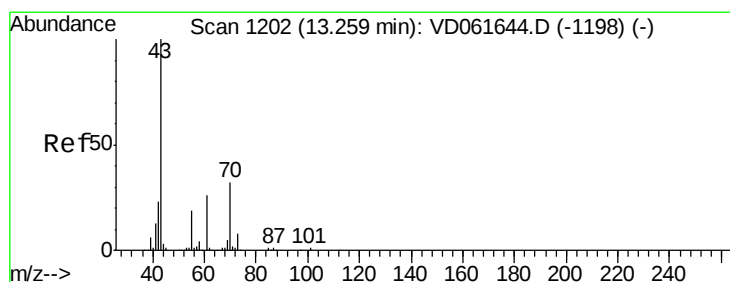
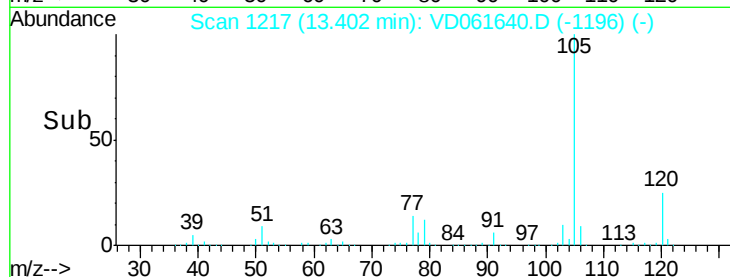
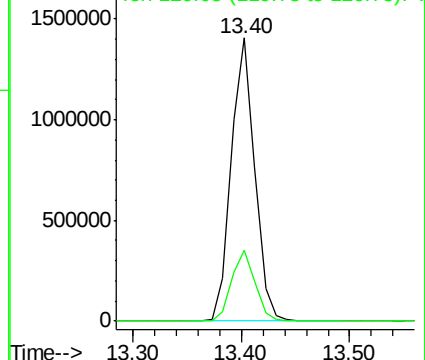
MMDadoda

4/11/2019 2:57:27 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 73.173 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion: 43 Resp: 613188

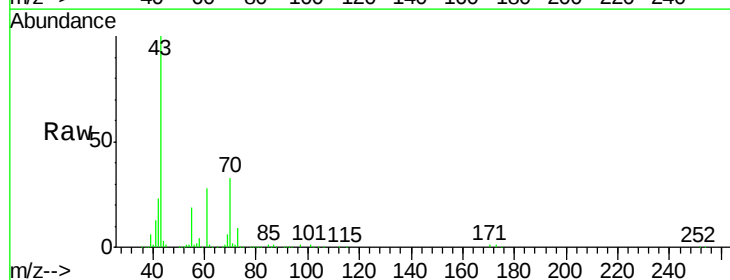
Ion Ratio Lower Upper

43 100

70 33.4 25.4 38.2

55 19.4 15.0 22.4

61 28.5 20.9 31.3

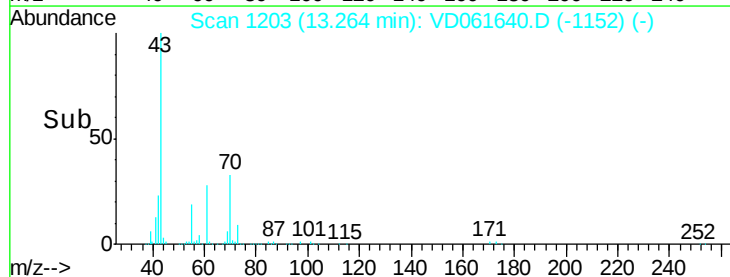
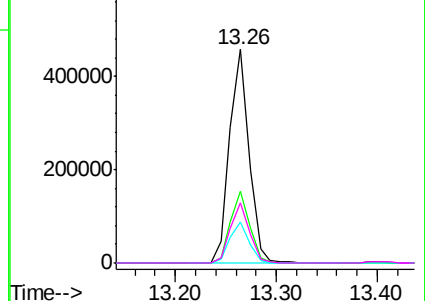


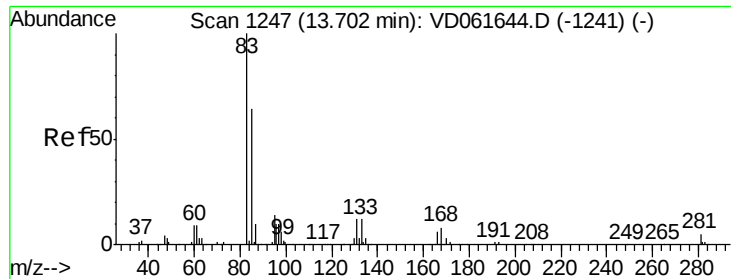
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 74.318 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 460766

Ion Ratio Lower Upper

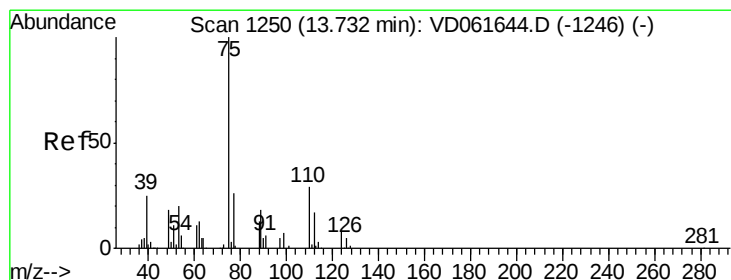
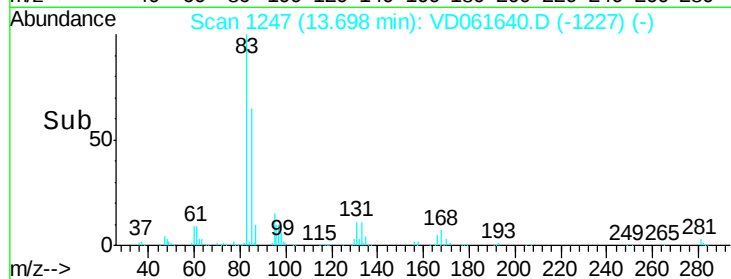
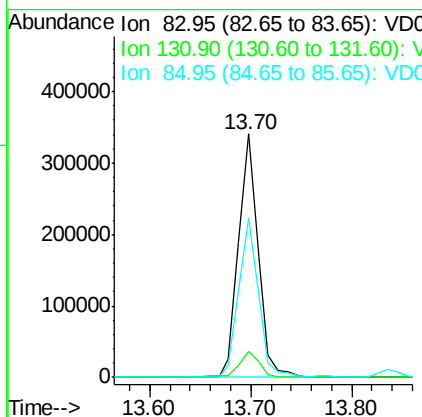
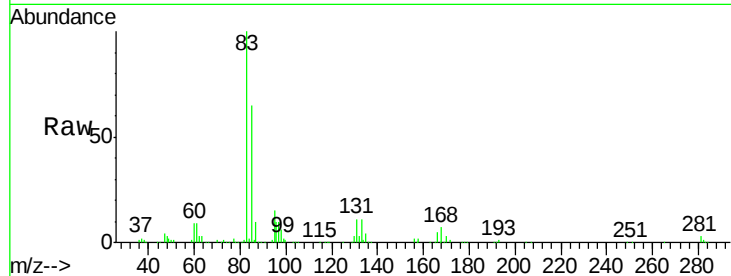
83 100

131 10.7 5.9 17.6

85 65.3 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 74.362 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061640.D

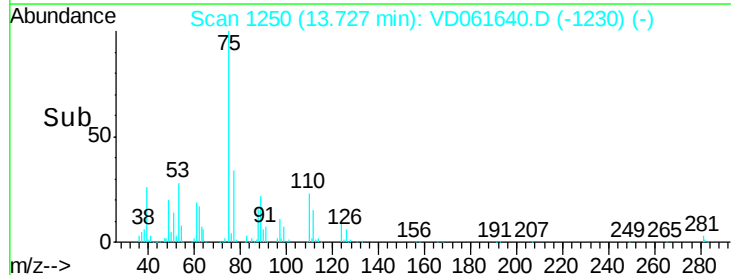
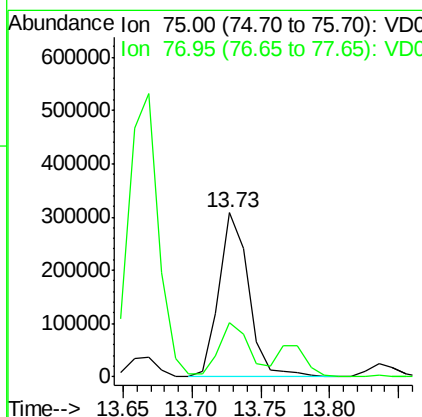
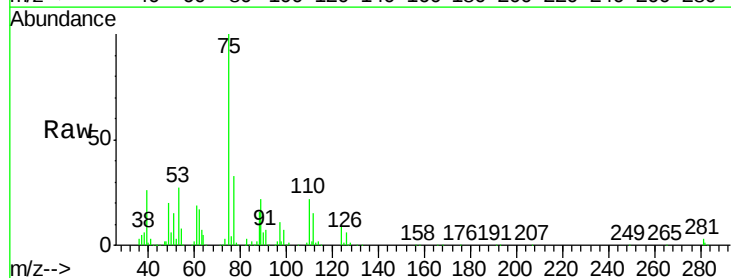
Acq: 6 Apr 2019 13:30

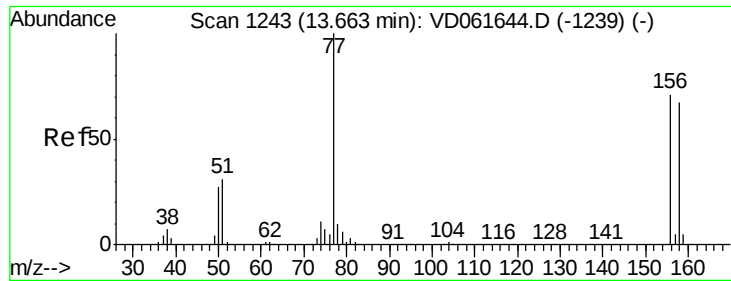
Tgt Ion: 75 Resp: 459695

Ion Ratio Lower Upper

75 100

77 33.4 15.7 47.1





#77

Bromobenzene

Concen: 71.704 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

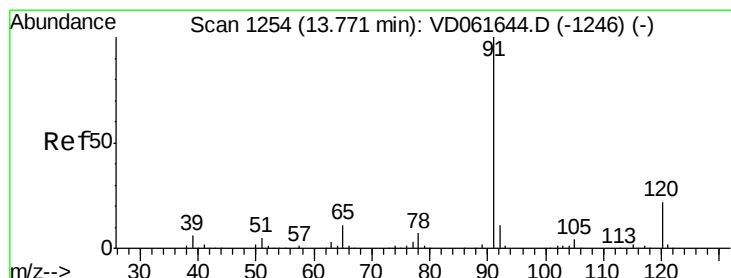
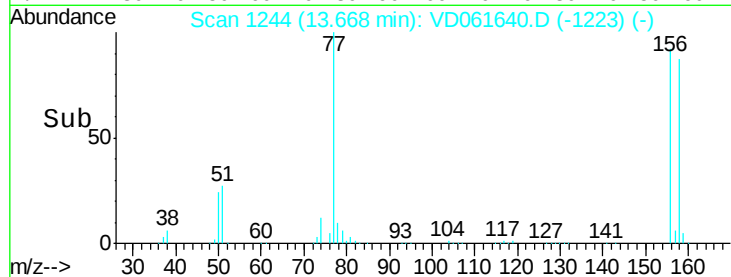
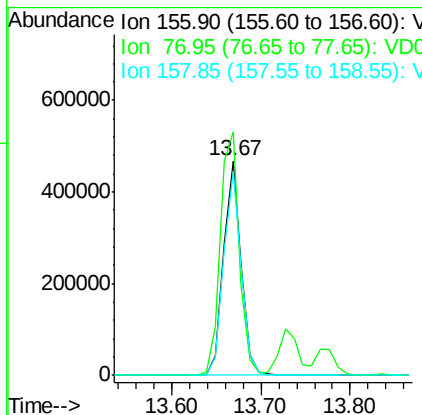
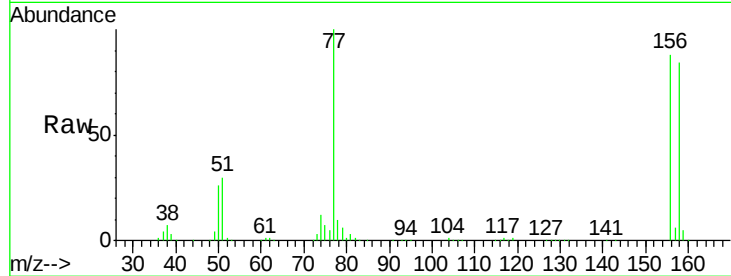
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		651351		
77	113.6	70.3	210.8		
158	95.3	47.4	142.2		

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#78

n-propylbenzene

Concen: 67.699 ug/l

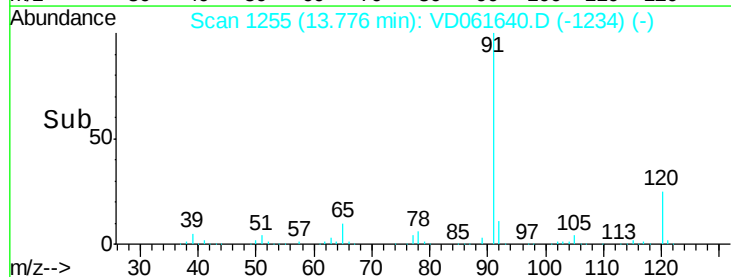
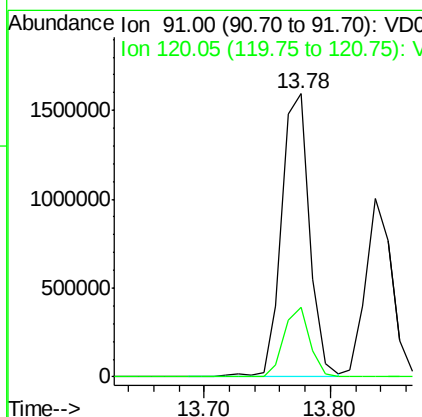
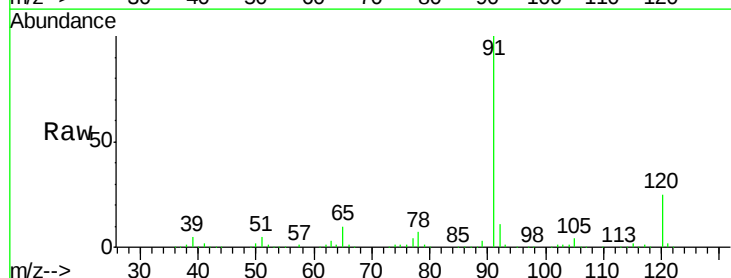
RT: 13.78 min Scan# 1255

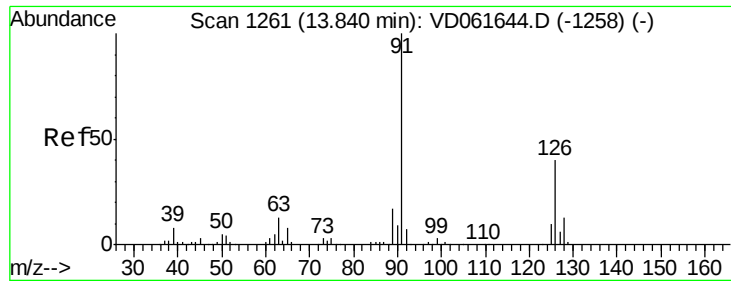
Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2469125		
120	24.6	10.8	32.4		





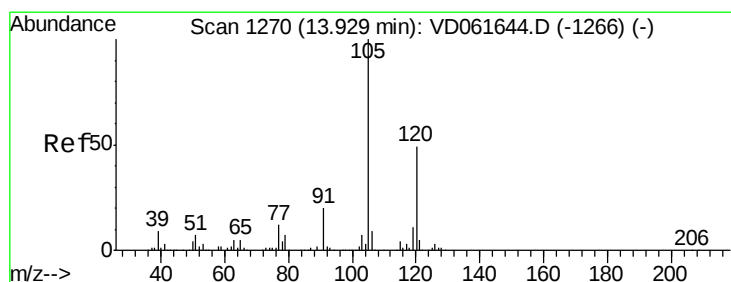
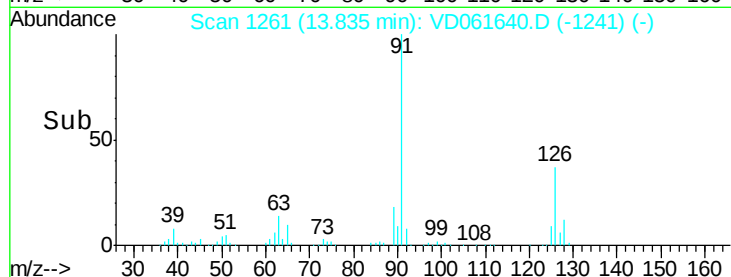
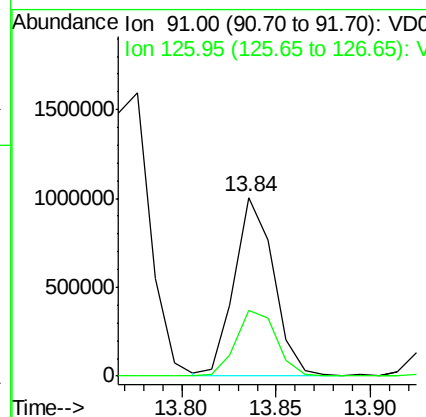
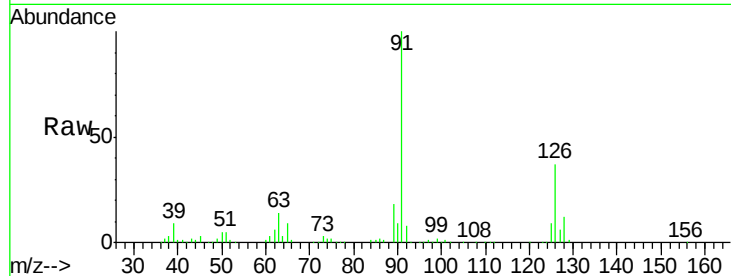
#79
2-Chlorotoluene
Concen: 69.084 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1440779
Ion Ratio Lower Upper
91 100
126 36.8 20.0 59.9

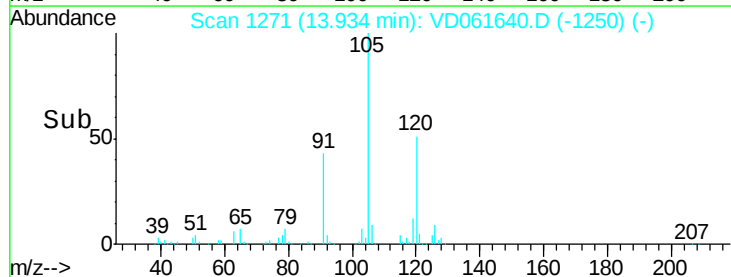
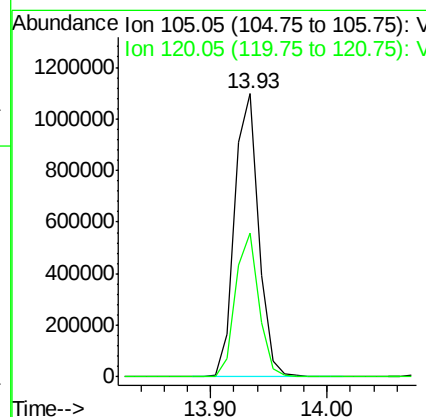
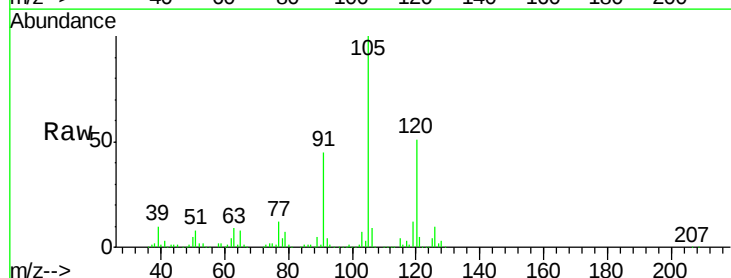
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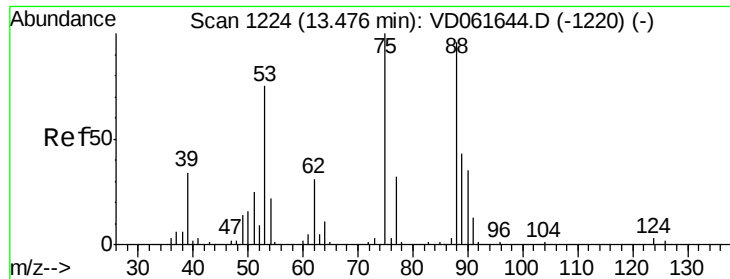
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#80
1,3,5-Trimethylbenzene
Concen: 64.228 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:105 Resp: 1562933
Ion Ratio Lower Upper
105 100
120 50.7 24.4 73.2





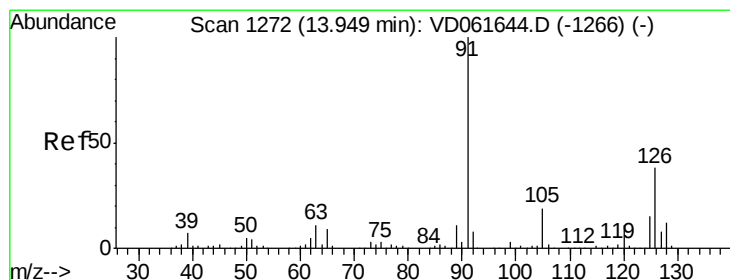
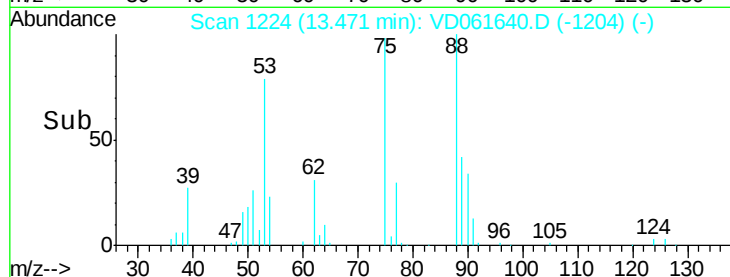
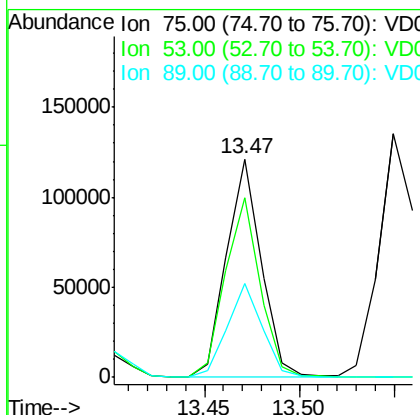
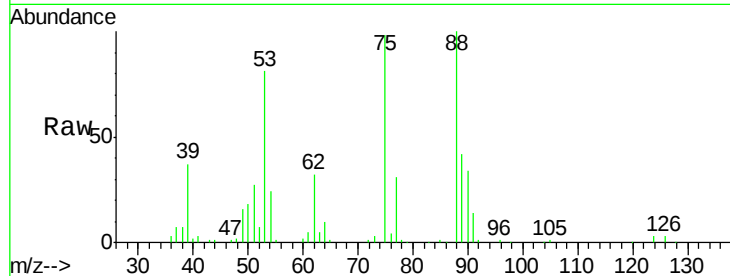
#81
trans-1,4-Dichloro-2-butene
Concen: 80.631 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.2	60.2	90.2
89	43.0	34.2	51.2

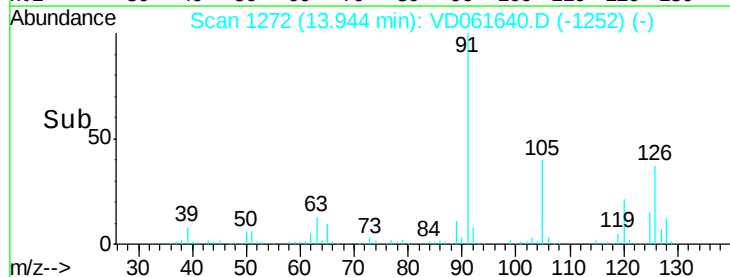
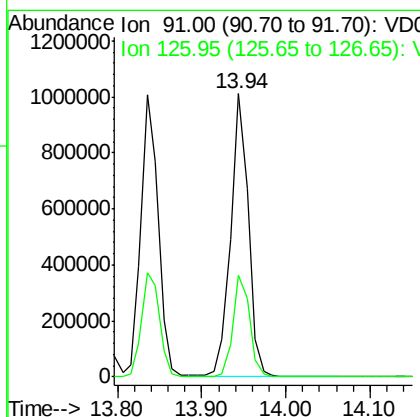
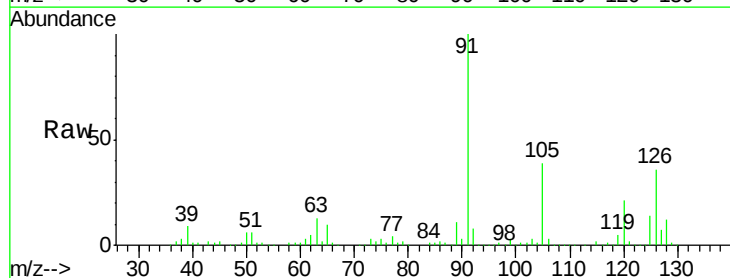
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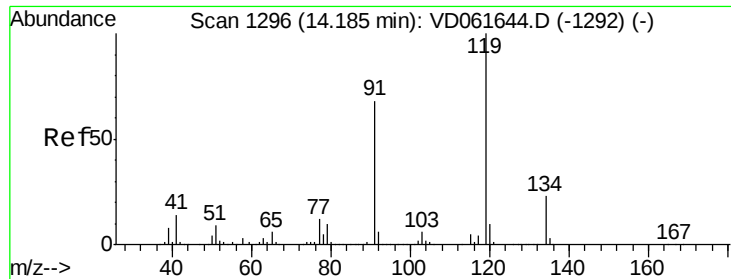
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#82
4-Chlorotoluene
Concen: 64.778 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	19.0	57.0





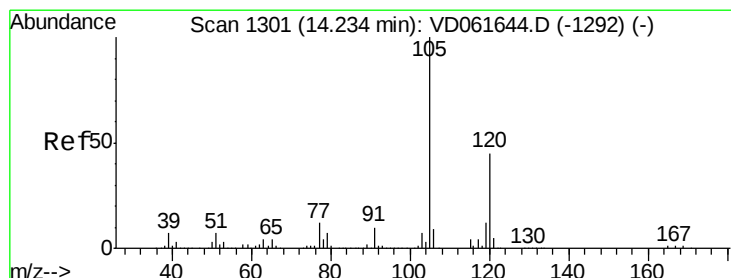
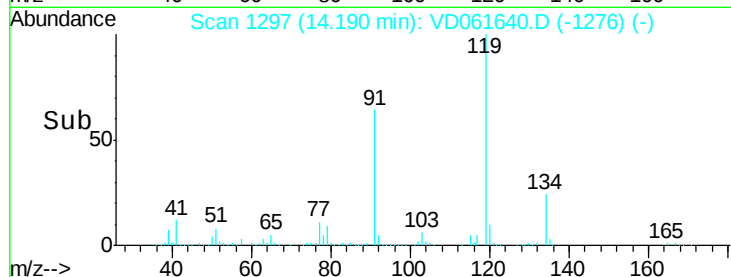
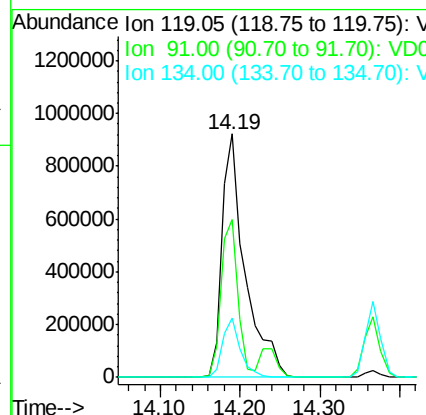
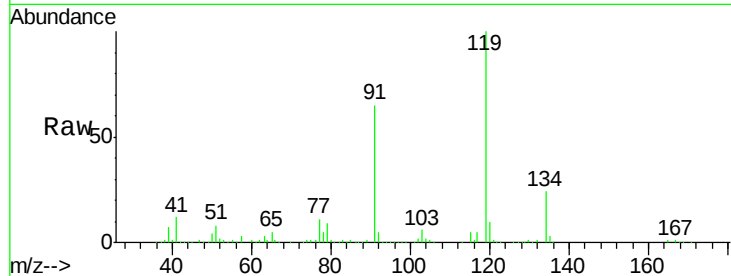
#83
 tert-Butylbenzene
 Concen: 64.607 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:119 Resp: 1880892
 Ion Ratio Lower Upper
 119 100
 91 65.1 33.9 101.6
 134 24.2 11.6 34.8

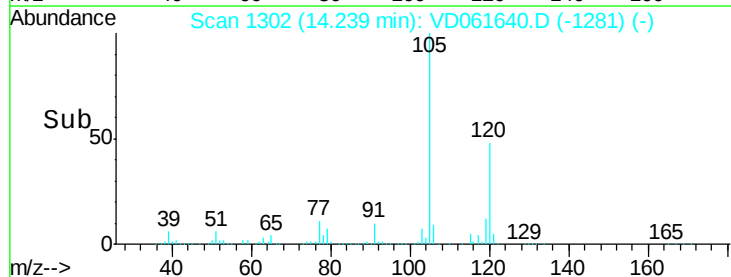
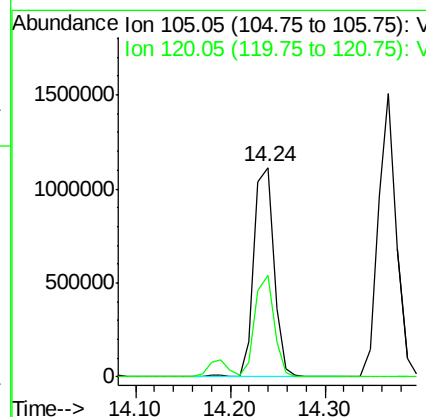
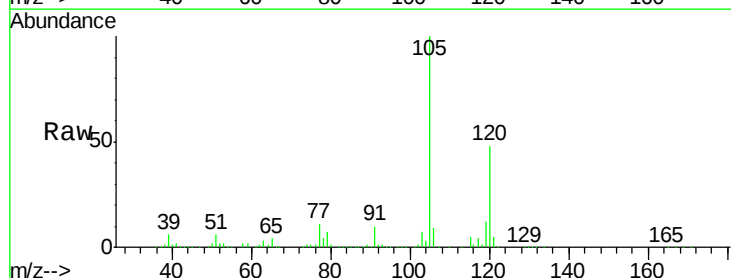
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#84
 1,2,4-Trimethylbenzene
 Concen: 65.500 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion:105 Resp: 1637871
 Ion Ratio Lower Upper
 105 100
 120 48.3 22.6 67.8





#85

sec-Butylbenzene

Concen: 65.101 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2024313

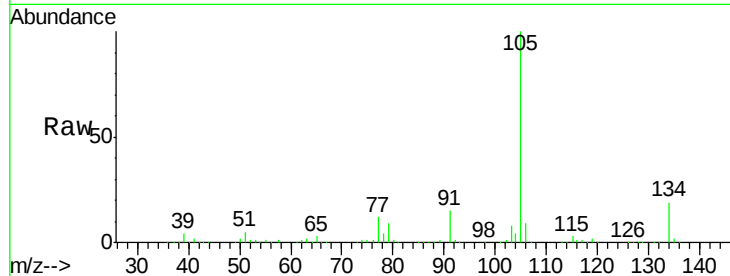
Ion Ratio Lower Upper

105 100

134 19.2 8.6 25.7

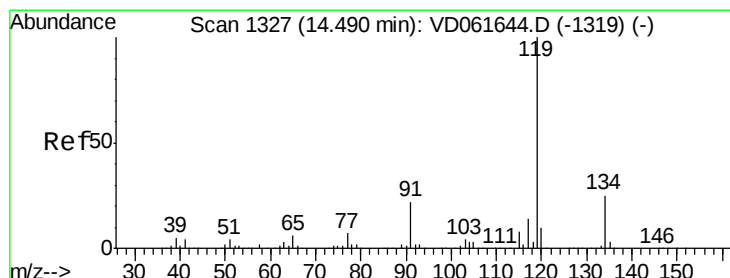
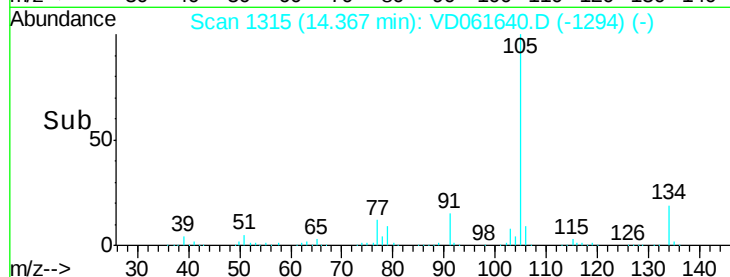
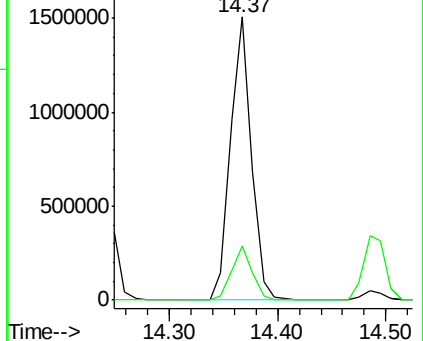
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 68.117 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

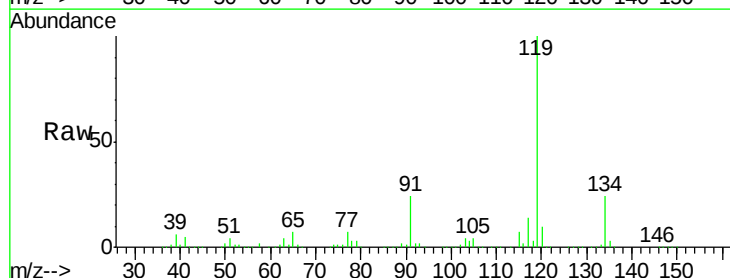
Tgt Ion:119 Resp: 1954034

Ion Ratio Lower Upper

119 100

134 24.5 12.5 37.5

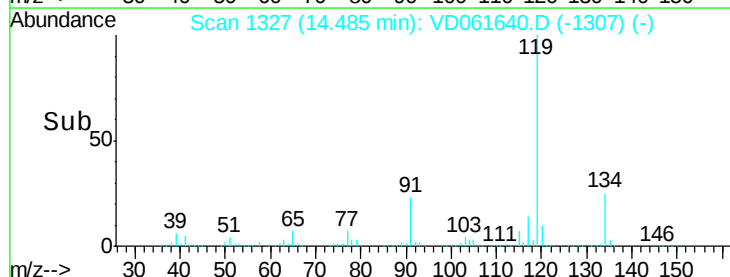
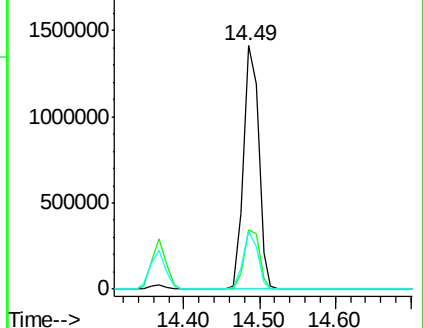
91 23.6 11.0 33.0

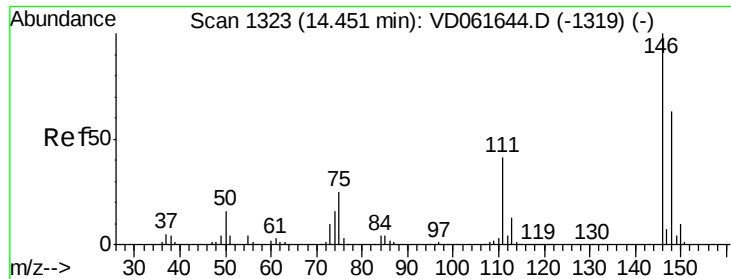


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





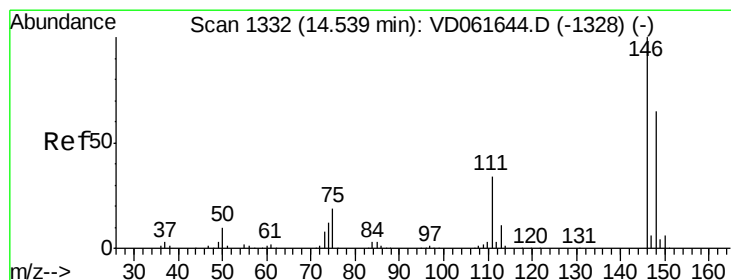
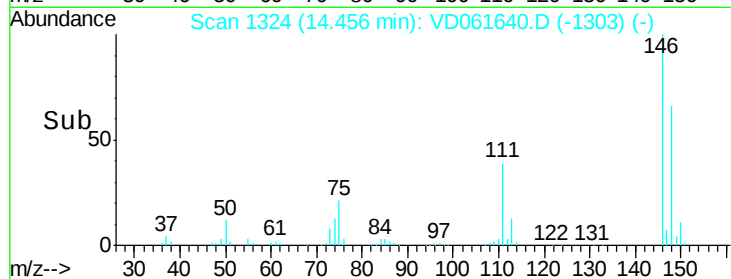
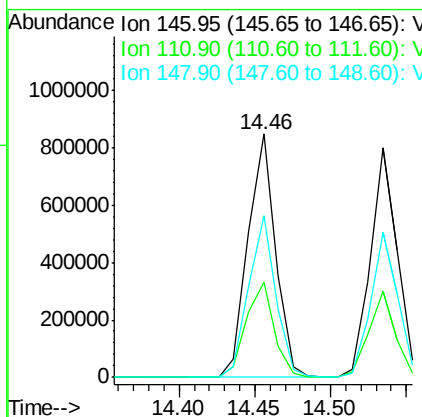
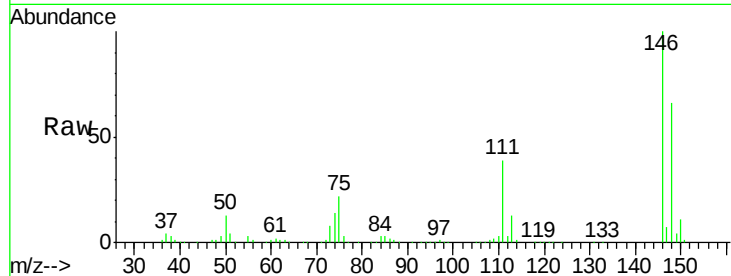
#87
 1,3-Dichlorobenzene
 Concen: 69.744 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1078954
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.3 61.0
 148 66.2 31.7 95.1

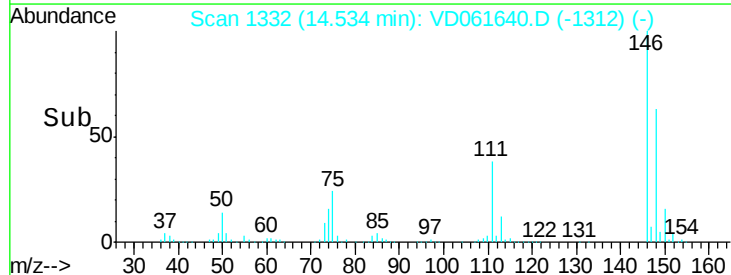
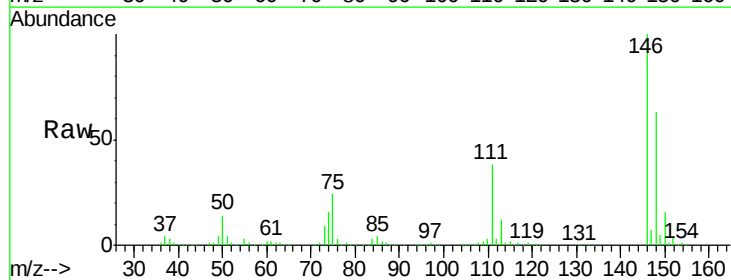
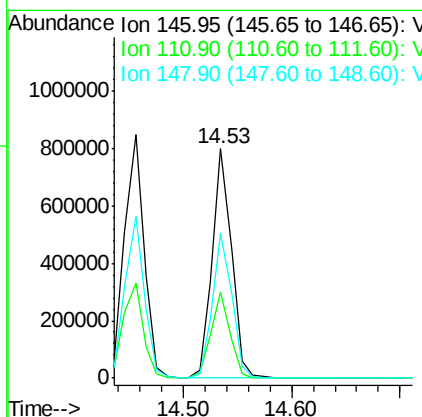
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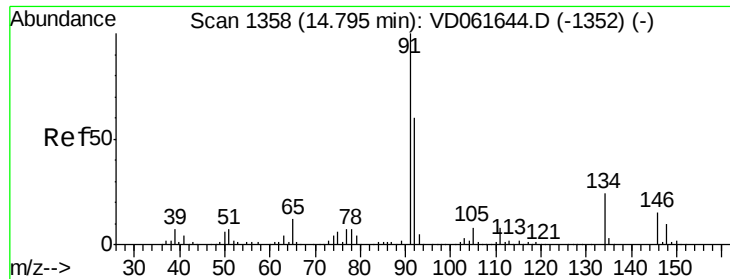
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#88
 1,4-Dichlorobenzene
 Concen: 64.932 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion:146 Resp: 994981
 Ion Ratio Lower Upper
 146 100
 111 37.8 17.1 51.2
 148 63.5 32.6 97.7





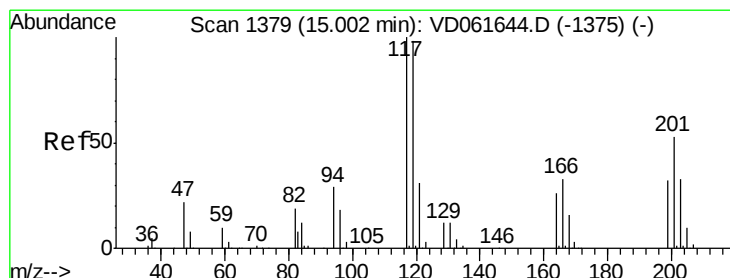
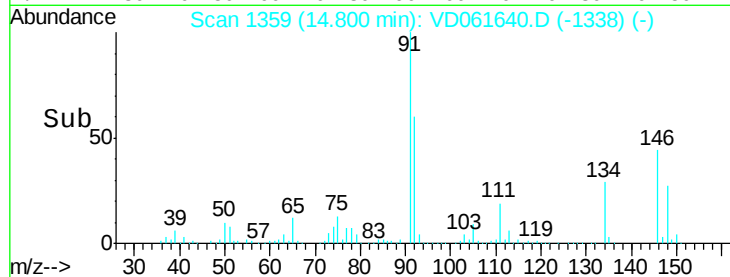
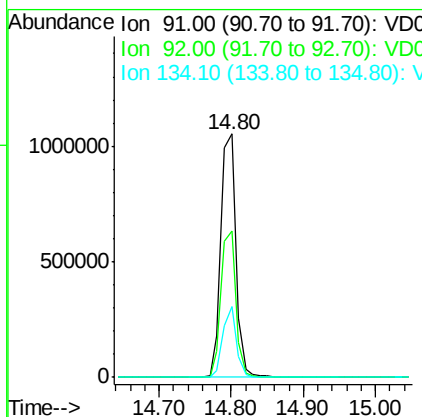
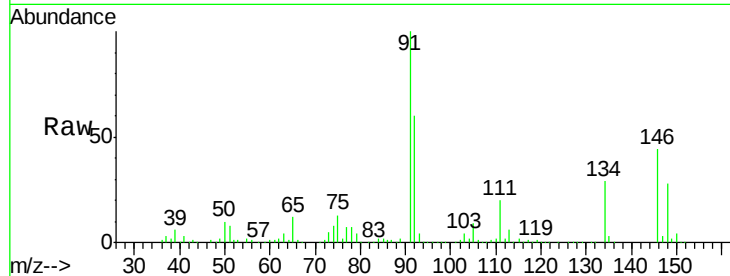
#89
n-Butylbenzene
Concen: 61.367 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1511313
Ion Ratio Lower Upper
91 100
92 60.1 29.8 89.4
134 29.3 12.2 36.4

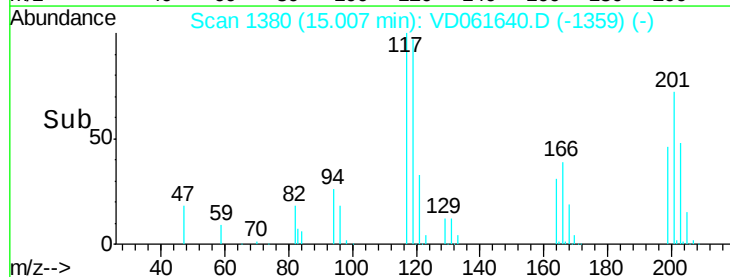
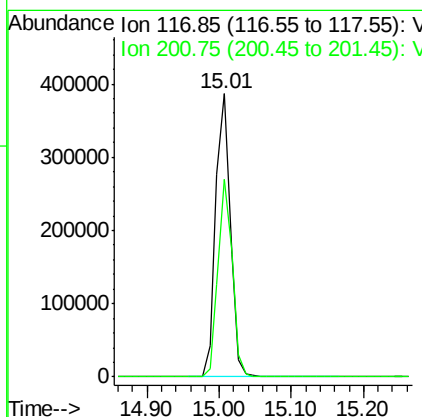
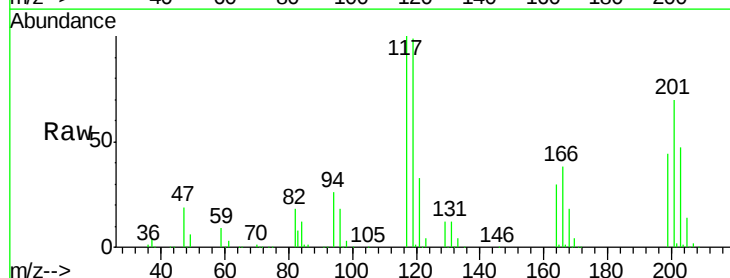
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#90
Hexachloroethane
Concen: 72.472 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 117 Resp: 536636
Ion Ratio Lower Upper
117 100
201 70.0 26.3 78.8





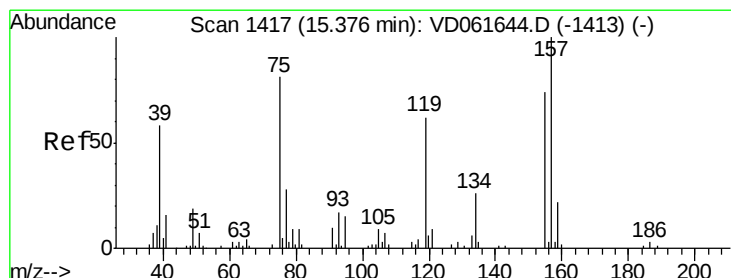
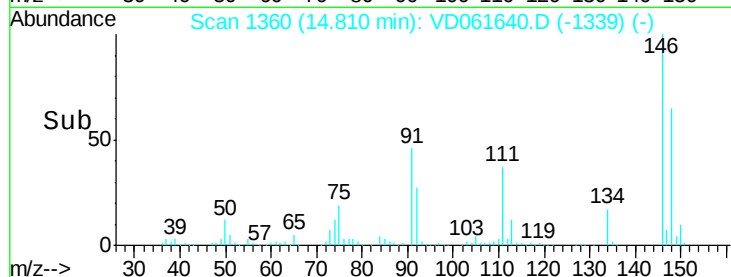
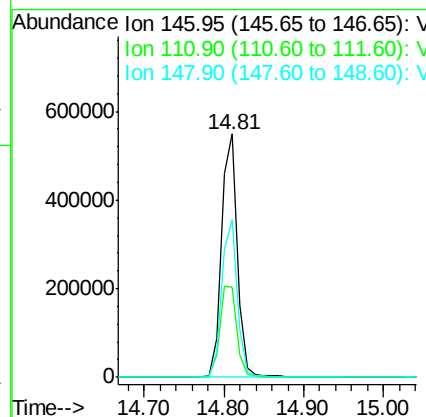
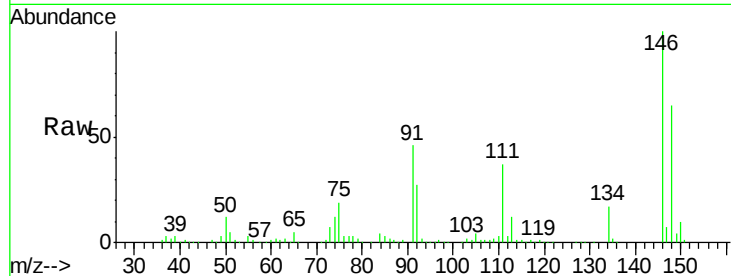
#91
 1,2-Dichlorobenzene
 Concen: 60.672 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	21.1	63.3
148	64.8	31.7	95.1

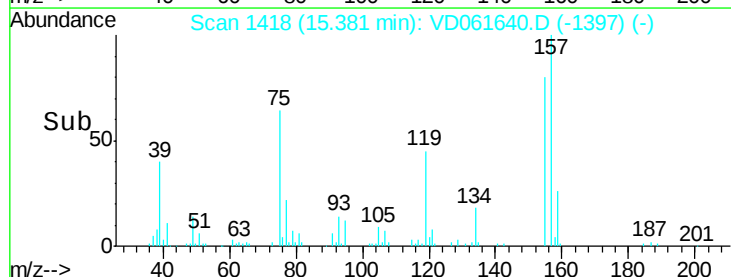
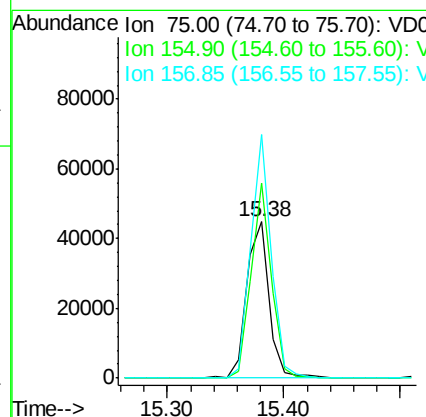
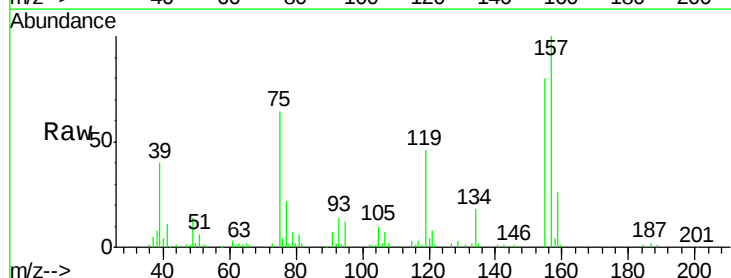
Manual Integrations
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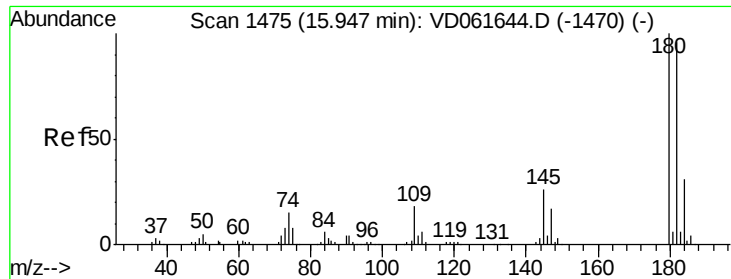
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.300 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	125.1	45.6	136.7
157	155.7	61.4	184.2





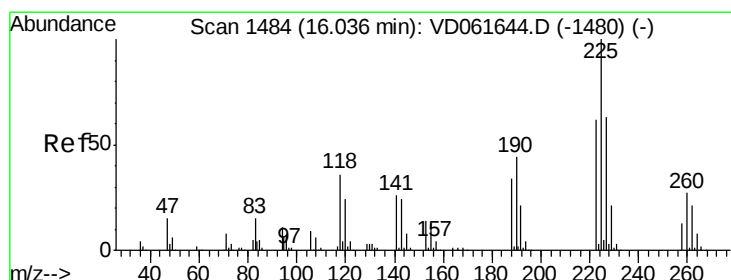
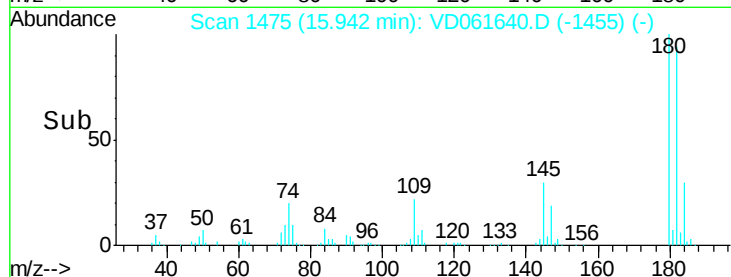
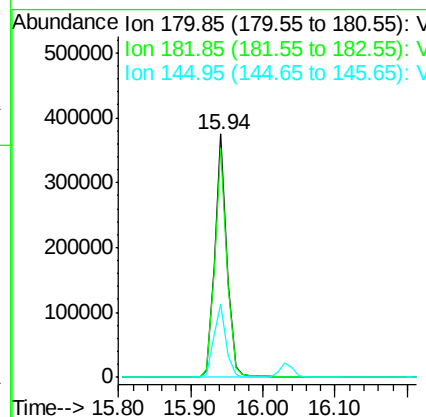
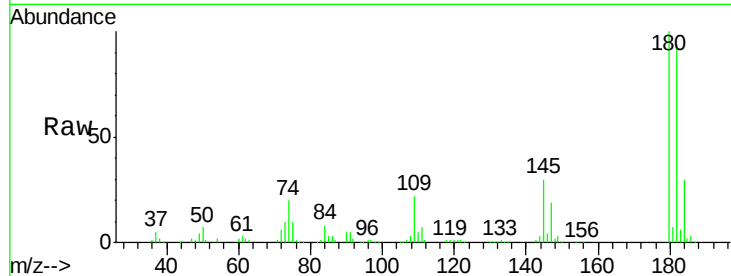
#93
 1,2,4-Trichlorobenzene
 Concen: 67.787 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	435050		
182	94.4	47.8	143.3	
145	30.2	13.3	39.8	

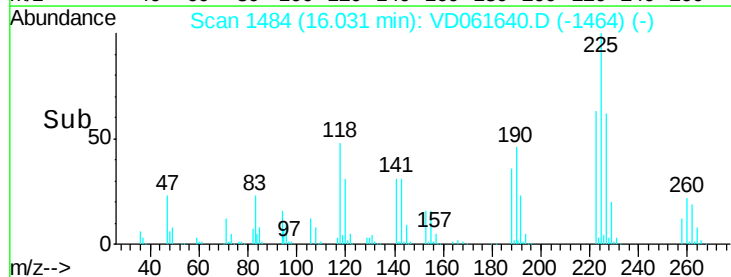
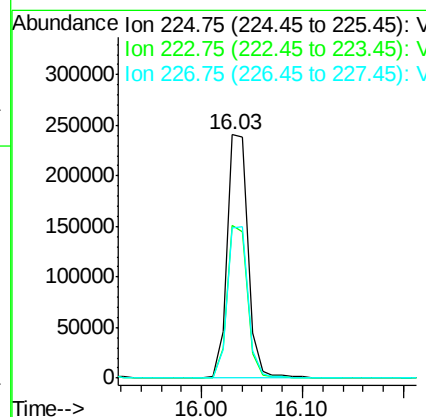
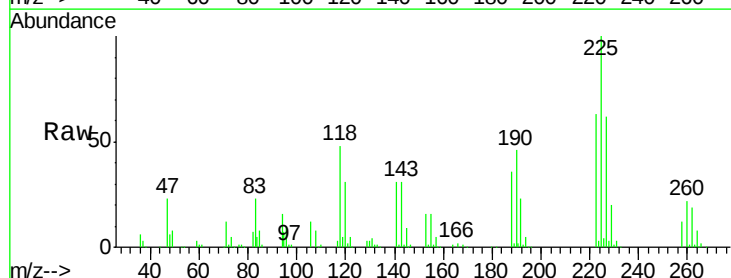
Manual Integrations
 APPROVED

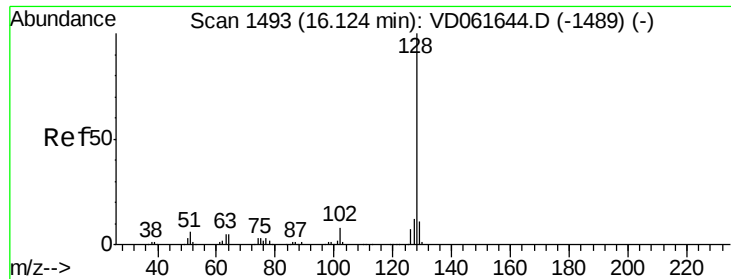
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 4/11/2019 2:57:27 AM



#94
 Hexachlorobutadiene
 Concen: 70.281 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	347076		
223	62.8	30.8	92.3	
227	61.5	31.5	94.5	





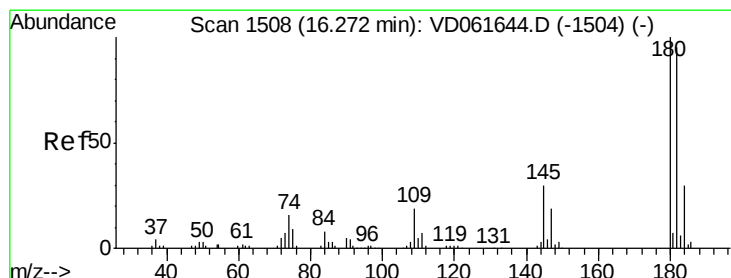
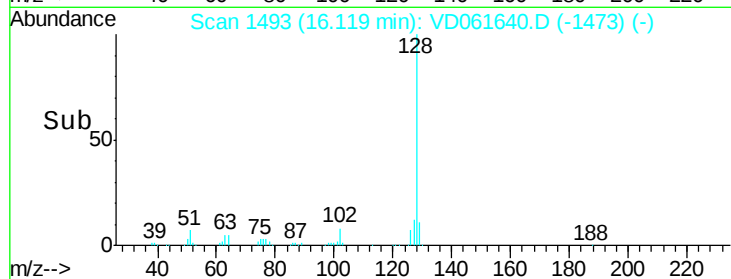
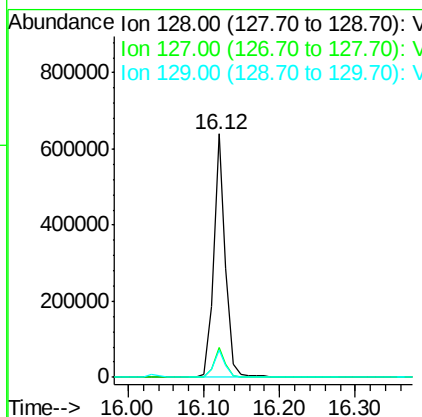
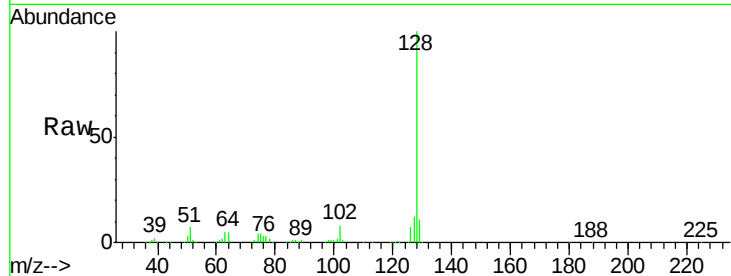
#95
Naphthalene
Concen: 68.986 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	698269		
127	12.0		9.4	14.2
129	11.0		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 60.488 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	192216		
182	95.7		47.3	142.0
145	31.7		15.1	45.3

