

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058129.D
 Acq On : 14 Jun 2018 11:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:02:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	884608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1109323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	905890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	466004	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	397756	44.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.96%		
35) Dibromofluoromethane	5.56	113	411753	47.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.94%		
50) Toluene-d8	8.71	98	949456	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.06%		
62) 4-Bromofluorobenzene	11.93	95	410594	46.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.26%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	520903	43.874	ug/l	98
3) Chloromethane	1.49	50	243848	41.703	ug/l	98
4) Vinyl Chloride	1.56	62	257637	45.519	ug/l	97
5) Bromomethane	1.80	94	114881	51.788	ug/l	94
6) Chloroethane	1.89	64	118988	53.284	ug/l	100
7) Trichlorofluoromethane	2.10	101	404391	52.268	ug/l	99
8) Diethyl Ether	2.35	74	72169	50.212	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.56	101	244473	52.975	ug/l	94
10) Methyl Iodide	2.70	142	294336	49.429	ug/l	94
11) Tert butyl alcohol	3.27	59	72184	304.683	ug/l #	93
12) 1,1-Dichloroethene	2.55	96	177190	49.943	ug/l	92
13) Acrolein	2.47	56	81383	239.859	ug/l	88
14) Allyl chloride	2.93	41	387691	47.370	ug/l	95
15) Acrylonitrile	3.37	53	323625	233.497	ug/l	95
16) Acetone	2.62	43	363772	285.498	ug/l	99
17) Carbon Disulfide	2.77	76	592018	46.062	ug/l	98
18) Methyl Acetate	2.95	43	116409	47.228	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	823194	52.731	ug/l	99
20) Methylene Chloride	3.07	84	175285	50.758	ug/l	93
21) trans-1,2-Dichloroethene	3.40	96	399016	50.494	ug/l	90
22) Diisopropyl ether	4.08	45	1527871	47.123	ug/l	96
23) Vinyl Acetate	4.03	43	4114871	245.627	ug/l	99
24) 1,1-Dichloroethane	3.98	63	867224	48.667	ug/l	100
25) 2-Butanone	4.85	43	686182	236.966	ug/l	94
26) 2,2-Dichloropropane	4.81	77	756949	51.566	ug/l	95
27) cis-1,2-Dichloroethene	4.82	96	461307	49.221	ug/l	94
28) Bromochloromethane	5.15	49	395300	51.254	ug/l	96
29) Tetrahydrofuran	5.19	42	350056	230.612	ug/l	96
30) Chloroform	5.33	83	903460	50.377	ug/l	99
31) Cyclohexane	5.60	56	662525	43.082	ug/l	95
32) 1,1,1-Trichloroethane	5.52	97	741277	49.366	ug/l	97
36) 1,1-Dichloropropene	5.75	75	638633	52.254	ug/l	98
37) Ethyl Acetate	4.93	43	339282	50.876	ug/l	98
38) Carbon Tetrachloride	5.73	117	646210	53.649	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.30	83	637519	52.620	ug/l	92
40) Benzene	6.02	78	1490441	52.203	ug/l	99
41) Methacrylonitrile	5.13	41	169060	55.443	ug/l	93
42) 1,2-Dichloroethane	6.13	62	605690	52.470	ug/l	99
43) Isopropyl Acetate	7.62	43	449162	51.420	ug/l	93
44) Trichloroethene	6.99	130	457260	54.830	ug/l	97
45) 1,2-Dichloropropane	7.36	63	415519	52.364	ug/l	96
46) Dibromomethane	7.46	93	273261	53.606	ug/l	96
47) Bromodichloromethane	7.75	83	654195	54.811	ug/l	97
48) Methyl methacrylate	7.51	41	272193	50.628	ug/l	98
49) 1,4-Dioxane	7.49	88	47227	1060.350	ug/l	95
51) 4-Methyl-2-Pentanone	8.61	43	1415124	252.576	ug/l	97
52) Toluene	8.81	92	803783	49.054	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	551259	53.609	ug/l	97
54) cis-1,3-Dichloropropene	8.37	75	632141	52.180	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	287902	54.290	ug/l	98
56) Ethyl methacrylate	9.32	69	356777	54.846	ug/l	96
57) 1,3-Dichloropropane	9.67	76	506544	54.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.19	63	859255	261.447	ug/l	97
59) 2-Hexanone	9.80	43	1093300	266.274	ug/l	100
60) Dibromochloromethane	9.96	129	399957	53.484	ug/l	97
61) 1,2-Dibromoethane	10.10	107	316913	51.965	ug/l	92
64) Tetrachloroethene	9.52	164	426225	52.629	ug/l	98
65) Chlorobenzene	10.73	112	934985	50.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	359693	51.050	ug/l	96
67) Ethyl Benzene	10.86	91	1627777	49.130	ug/l	98
68) m/p-Xylenes	11.02	106	1049875	97.202	ug/l	99
69) o-Xylene	11.41	106	523383	48.818	ug/l	96
70) Styrene	11.44	104	891341	50.221	ug/l	99
71) Bromoform	11.61	173	286174	53.991	ug/l	98
73) Isopropylbenzene	11.78	105	1534122	49.703	ug/l	100
74) N-amyl acetate	11.65	43	577181	48.461	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	343556	51.052	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	380354	54.336	ug/l	99
77) Bromobenzene	12.04	156	456299	49.943	ug/l	96
78) n-propylbenzene	12.16	91	1963646	48.890	ug/l	100
79) 2-Chlorotoluene	12.22	91	1137225	49.632	ug/l	100
80) 1,3,5-Trimethylbenzene	12.33	105	1181906	49.101	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	95618	55.149	ug/l	95
82) 4-Chlorotoluene	12.33	91	1216346	54.896	ug/l	99
83) tert-Butylbenzene	12.58	119	1375820	50.619	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	1286335	49.701	ug/l	99
85) sec-Butylbenzene	12.76	105	1598312	48.726	ug/l	99
86) p-Isopropyltoluene	12.89	119	1305558	49.382	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	782049	50.602	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	759709	50.452	ug/l	94
89) n-Butylbenzene	13.20	91	1282211	54.208	ug/l	97
90) Hexachloroethane	13.40	117	357510	52.981	ug/l	63
91) 1,2-Dichlorobenzene	13.19	146	596810	47.784	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	55412	53.353	ug/l	87

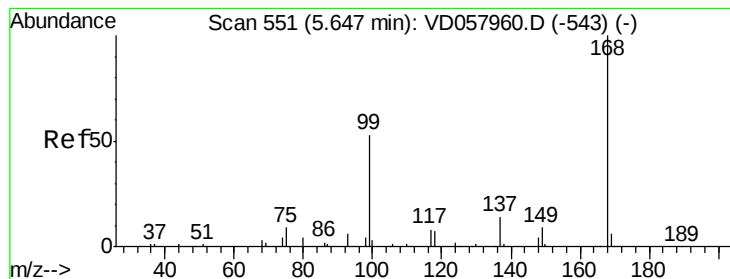
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	638048	54.681	ug/l	99
94) Hexachlorobutadiene	14.44	225	482754	52.598	ug/l	96
95) Naphthalene	14.52	128	803901	53.434	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	540516	54.355	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

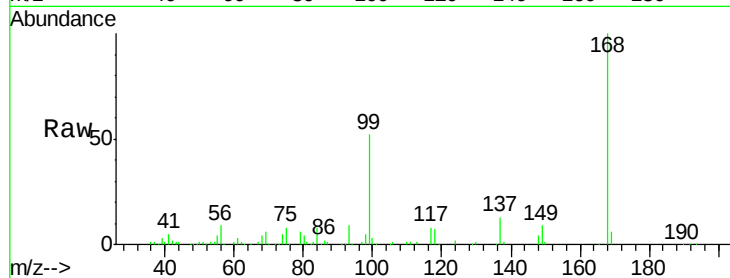
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 884608

Ion Ratio Lower Upper

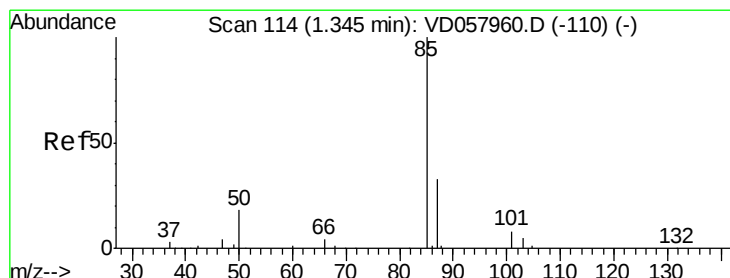
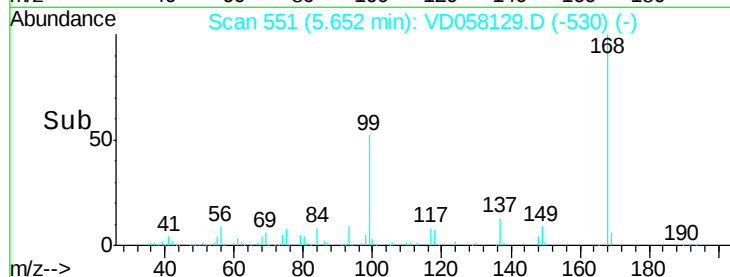
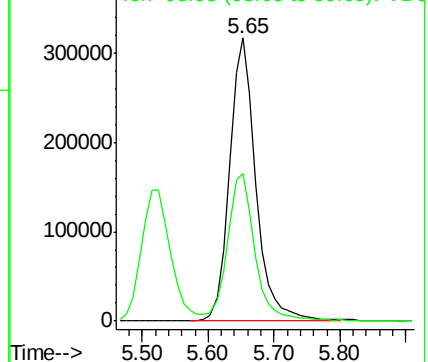
168 100

99 52.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 43.874 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD058129.D

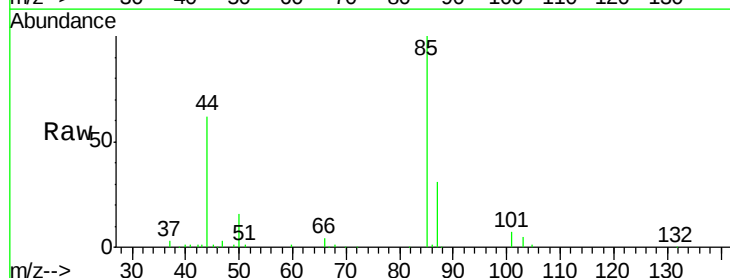
Acq: 14 Jun 2018 11:49

Tgt Ion: 85 Resp: 520903

Ion Ratio Lower Upper

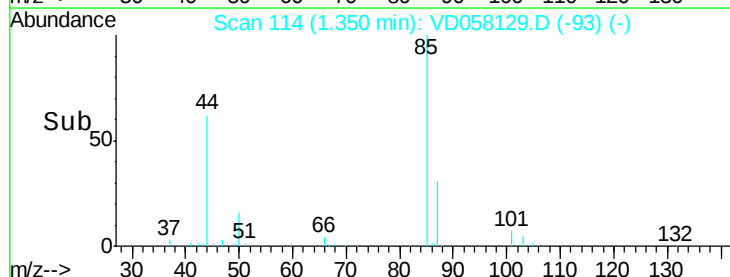
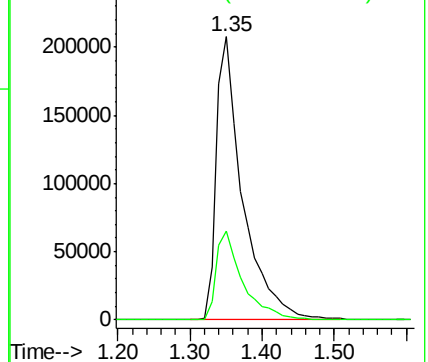
85 100

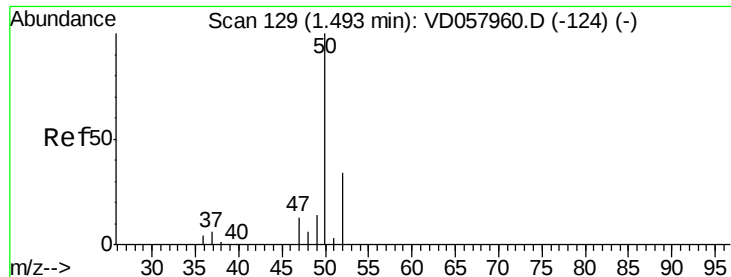
87 31.4 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.703 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

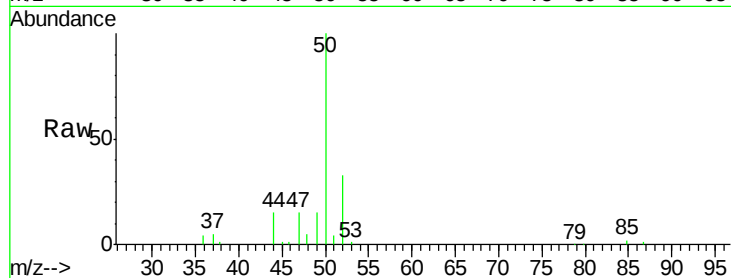
ClientSampleId :

Tot Ion: 50 Resp: 243848

Ion Ratio Lower Upper

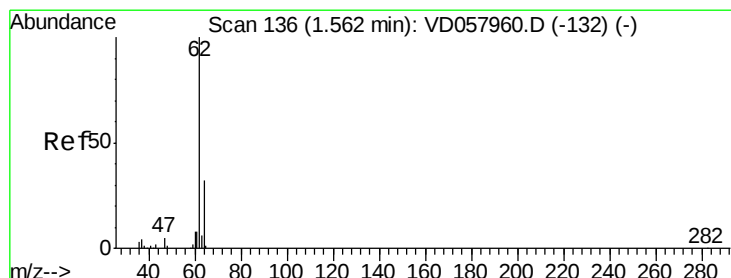
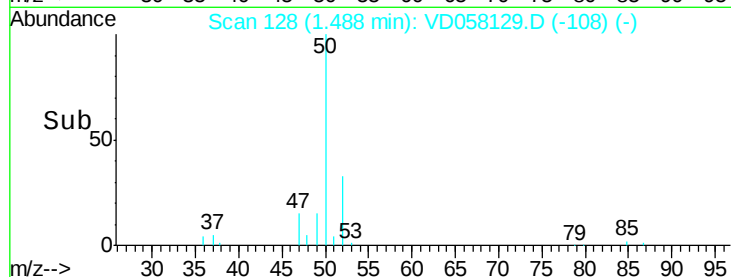
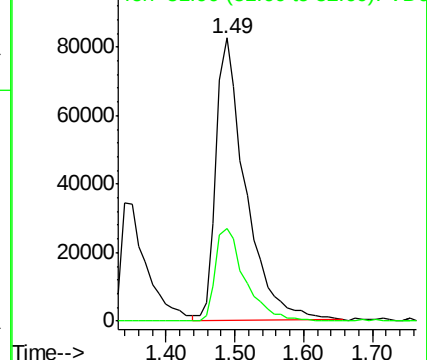
50 100

52 32.8 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.519 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058129.D

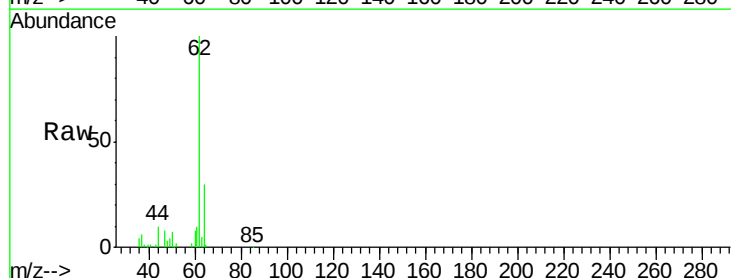
Acq: 14 Jun 2018 11:49

Tgt Ion: 62 Resp: 257637

Ion Ratio Lower Upper

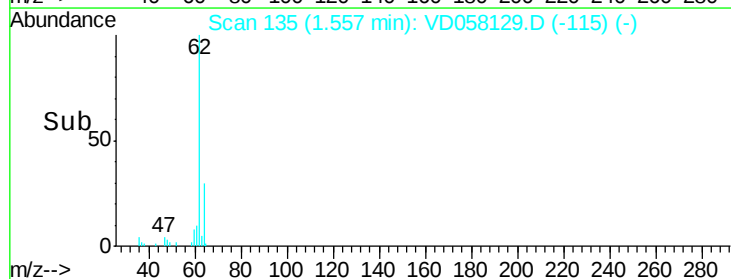
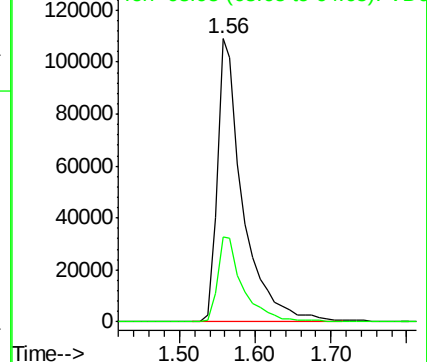
62 100

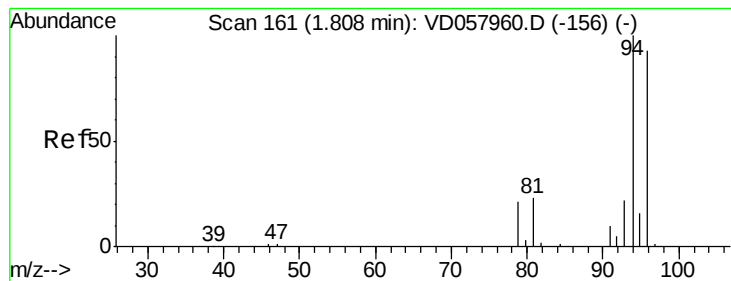
64 29.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.788 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

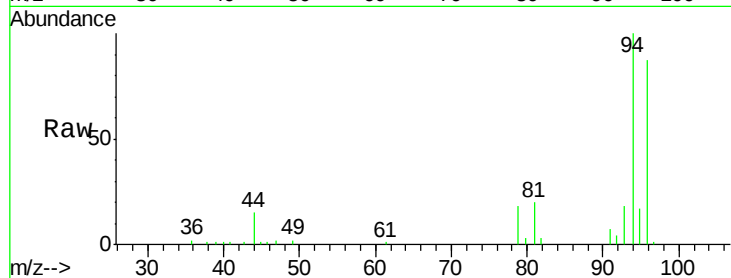
ClientSampled :

Tot Ion: 94 Resp: 114881

Ion Ratio Lower Upper

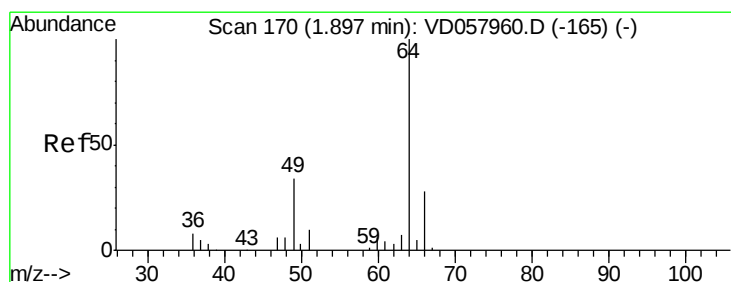
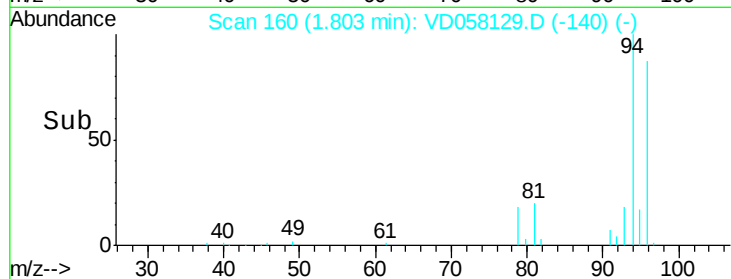
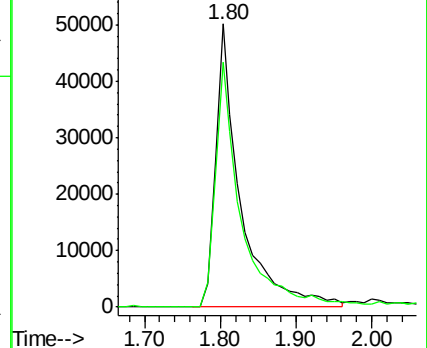
94 100

96 86.7 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.284 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.00 min

Lab File: VD058129.D

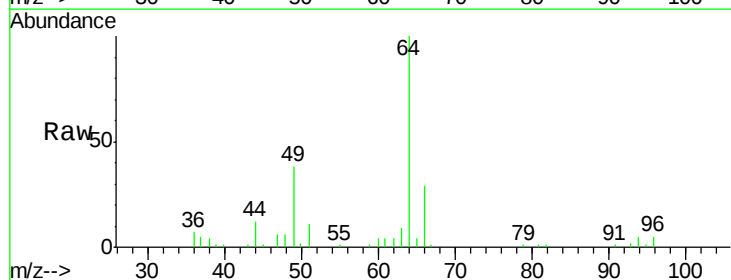
Acq: 14 Jun 2018 11:49

Tgt Ion: 64 Resp: 118988

Ion Ratio Lower Upper

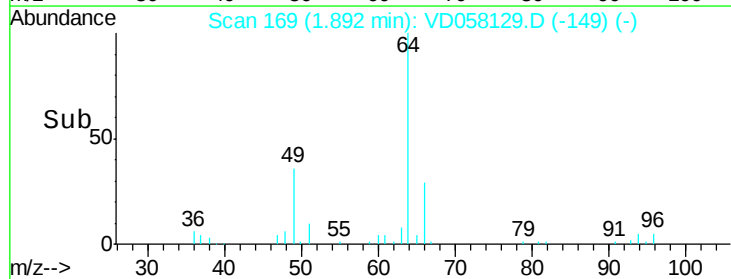
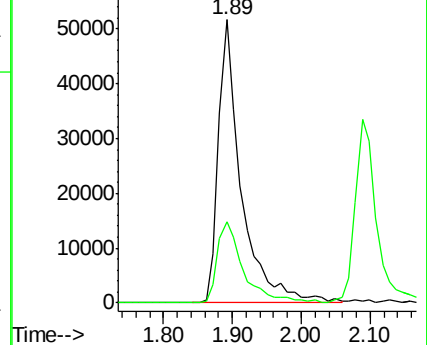
64 100

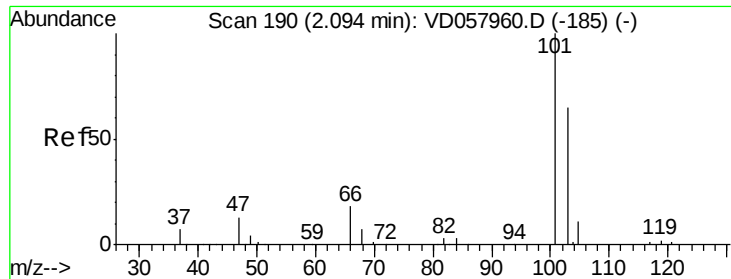
66 28.6 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



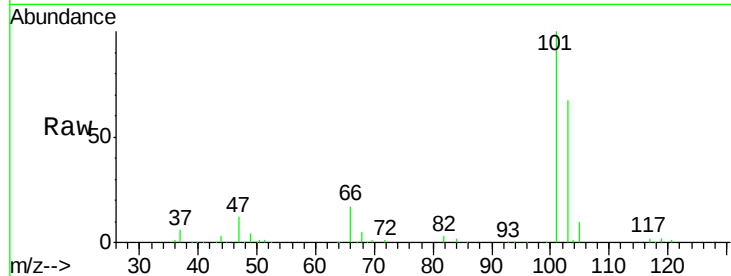


#7

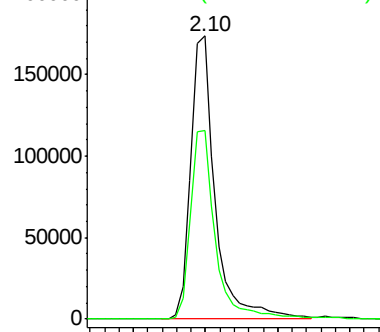
Trichlorofluoromethane
Concen: 52.268 ug/l
RT: 2.10 min Scan# 190
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

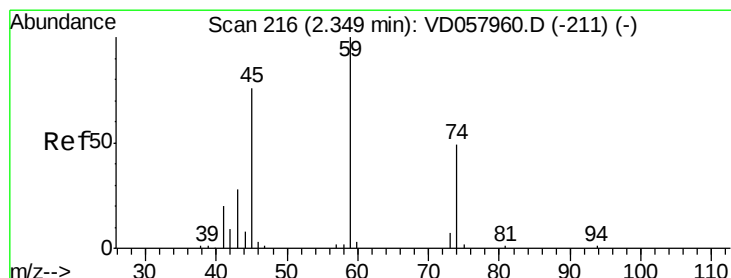
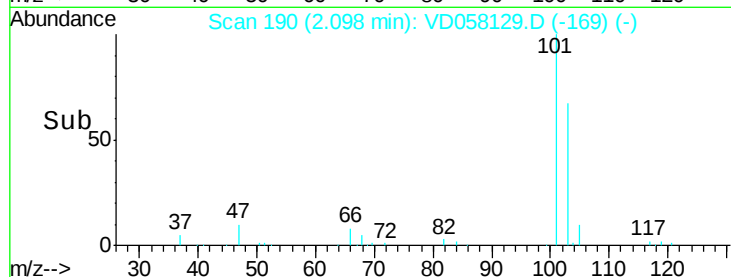
Tot Ion:101 Resp: 404391
Ion Ratio Lower Upper
101 100
103 66.7 52.4 78.6



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



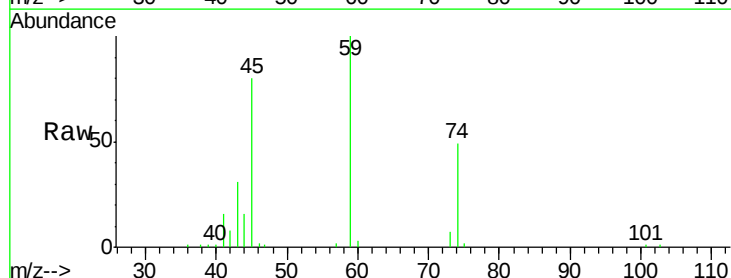
Time-->



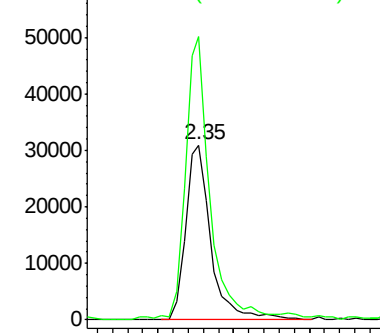
#8

Diethyl Ether
Concen: 50.212 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

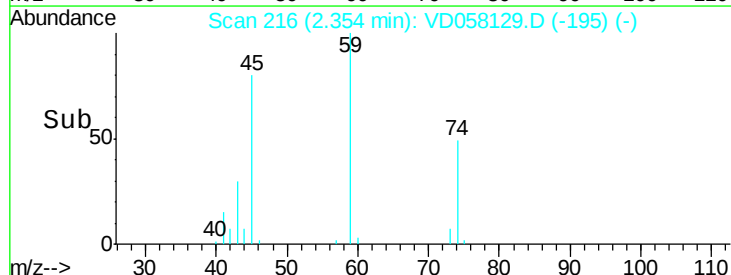
Tgt Ion: 74 Resp: 72169
Ion Ratio Lower Upper
74 100
45 161.8 77.1 231.3

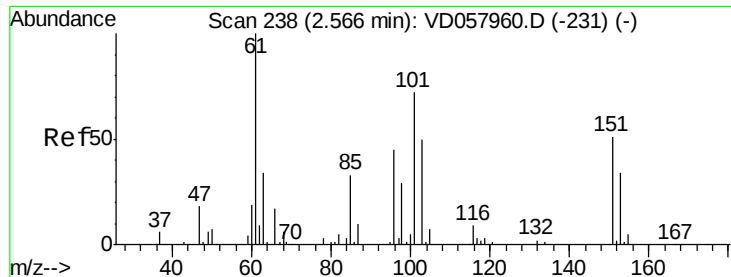


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.975 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampled :

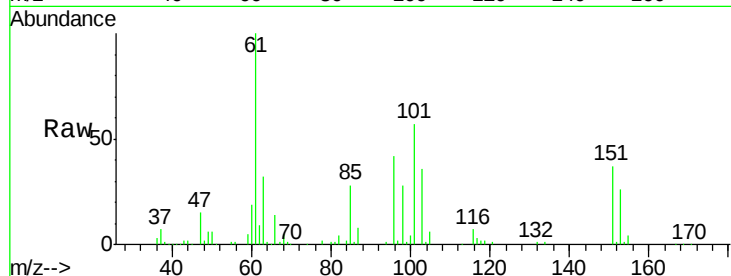
Tot Ion:101 Resp: 244473

Ion Ratio Lower Upper

101 100

85 49.6 37.3 55.9

151 65.4 57.0 85.6

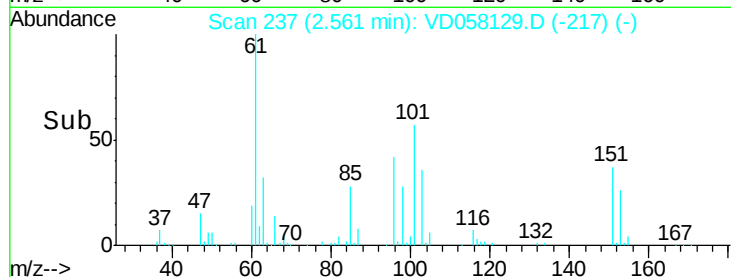


Abundance Ion 100.85 (100.55 to 101.55): V

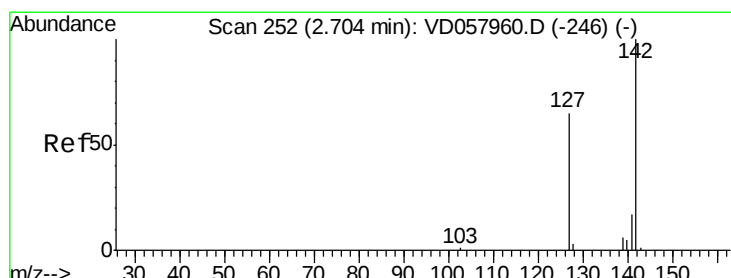
Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 49.429 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

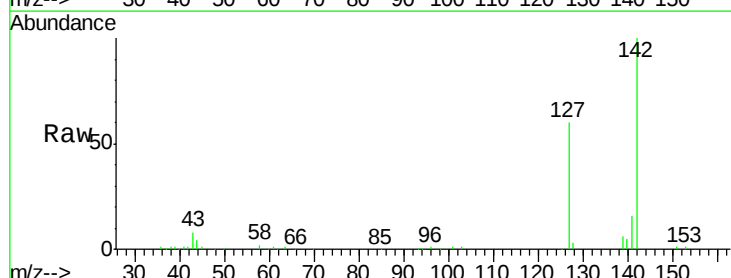
Tgt Ion:142 Resp: 294336

Ion Ratio Lower Upper

142 100

127 59.7 52.0 78.0

141 15.8 13.2 19.8

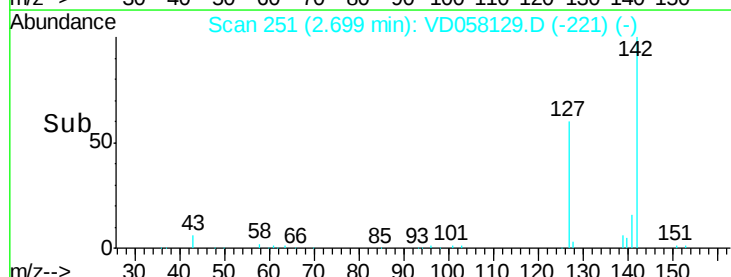


Abundance Ion 141.85 (141.55 to 142.55): V

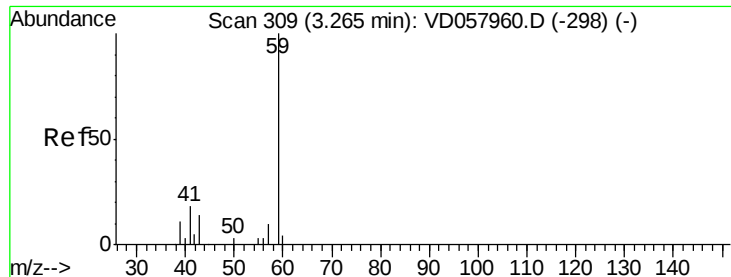
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

Time-->



Time-->

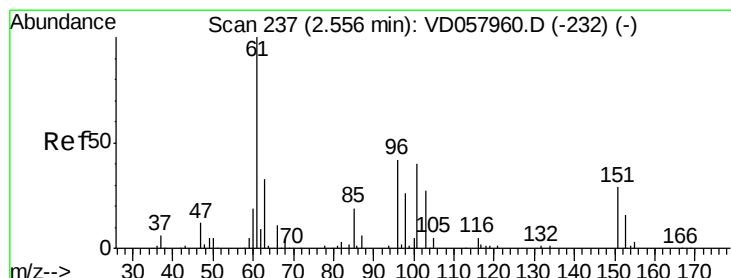
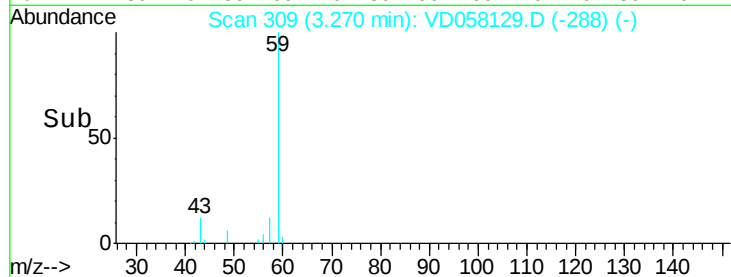
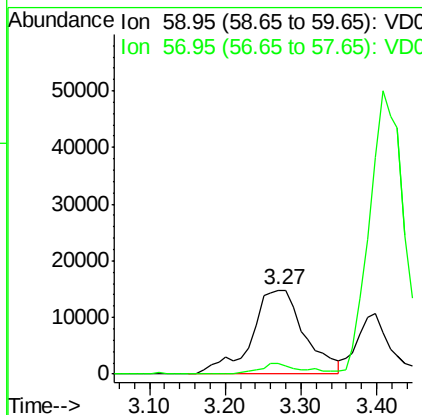
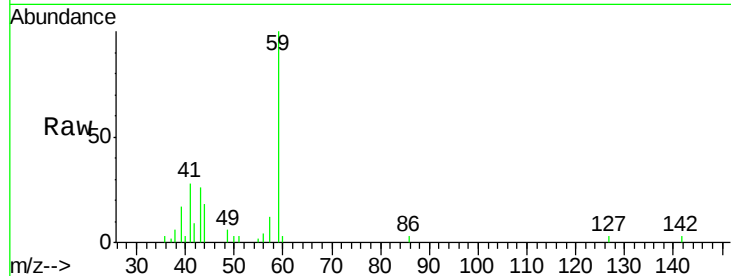


#11

Tert butyl alcohol
Concen: 304.683 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampled :

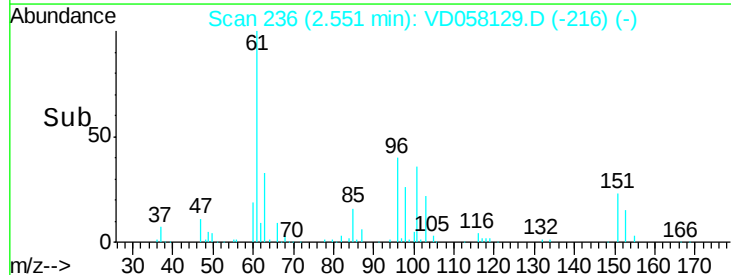
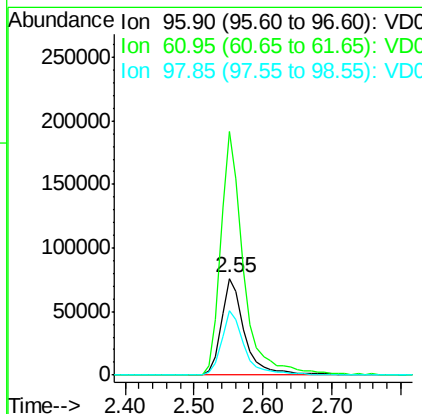
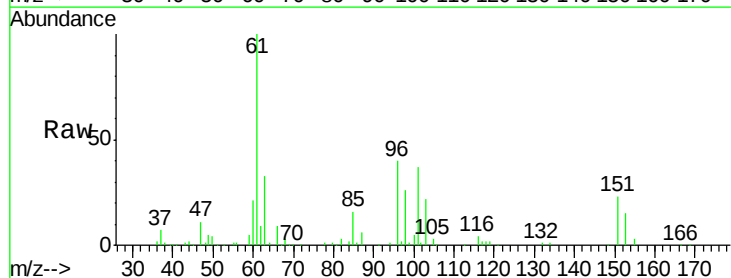
Tot Ion: 59 Resp: 72184
Ion Ratio Lower Upper
59 100
57 12.3 7.8 11.6#

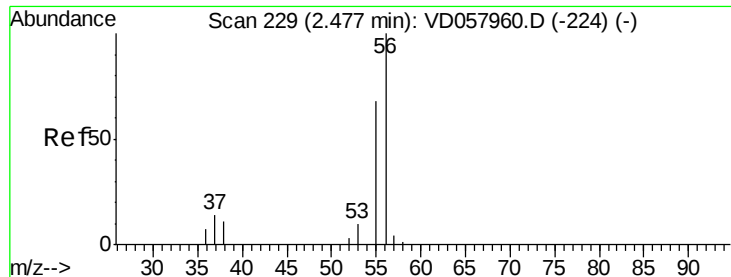


#12

1,1-Dichloroethene
Concen: 49.943 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 96 Resp: 177190
Ion Ratio Lower Upper
96 100
61 252.1 190.2 285.4
98 66.3 49.6 74.4





#13

Acrolein

Concen: 239.859 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

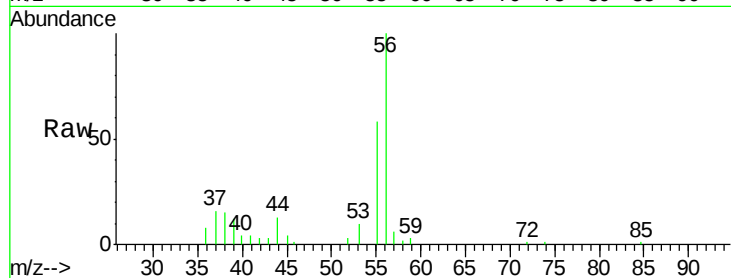
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 81383

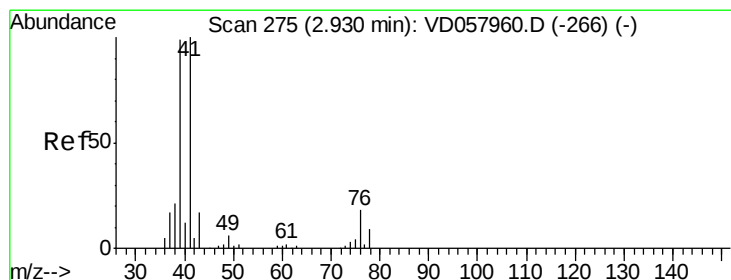
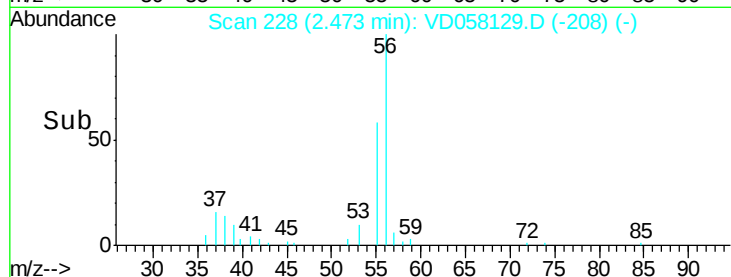
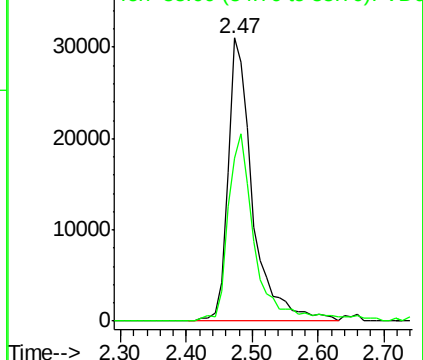
Ion Ratio Lower Upper

56 100

55 57.7 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.370 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

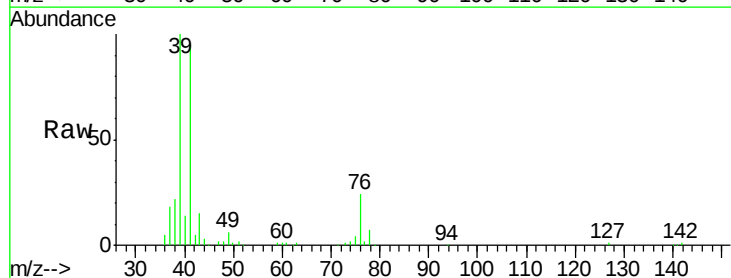
Tgt Ion: 41 Resp: 387691

Ion Ratio Lower Upper

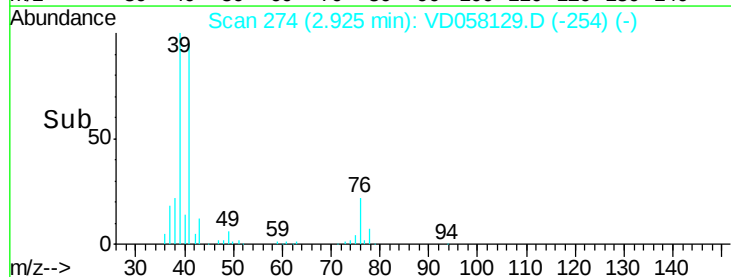
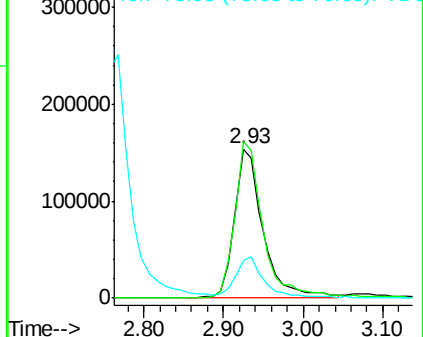
41 100

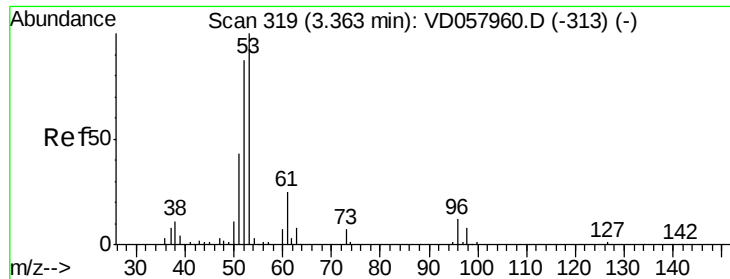
39 105.3 79.5 119.3

76 25.0 20.7 31.1



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

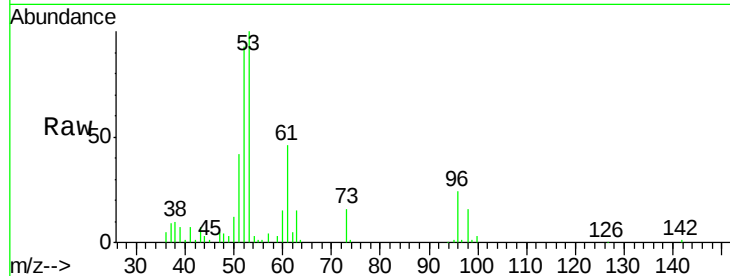




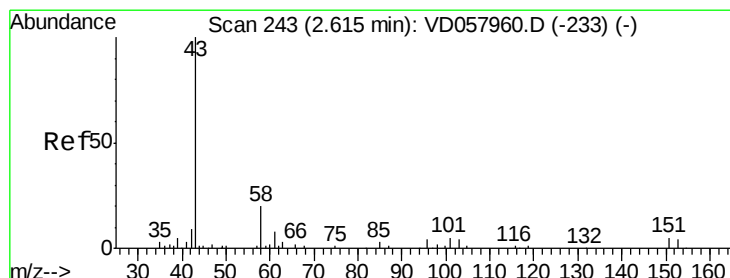
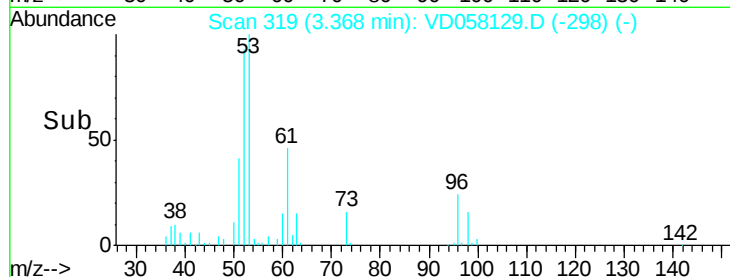
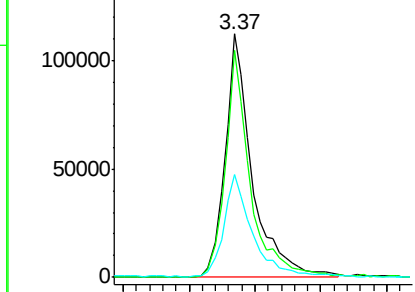
#15
Acrylonitrile
Concen: 233.497 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 53 Resp: 323625
Ion Ratio Lower Upper
53 100
52 93.4 69.9 104.9
51 42.1 34.3 51.5

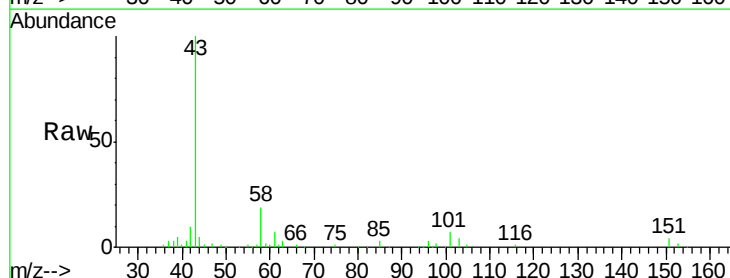


Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC

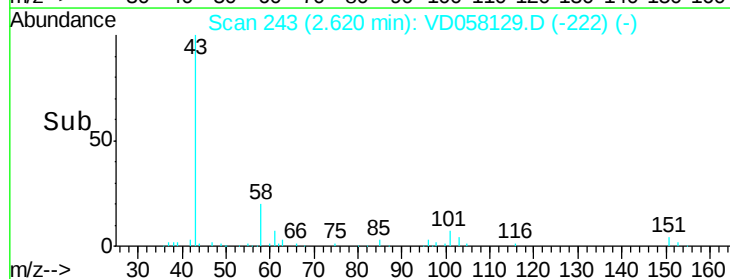
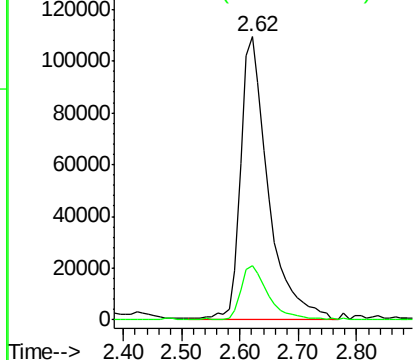


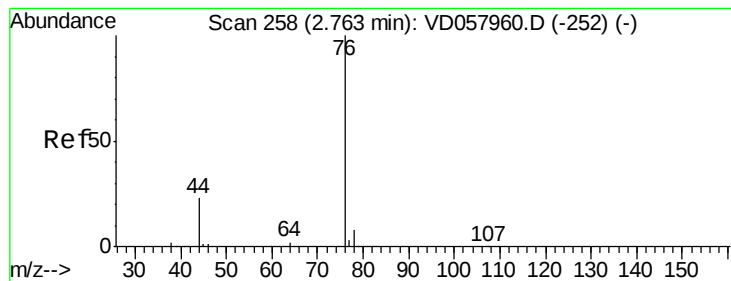
#16
Acetone
Concen: 285.498 ug/l
RT: 2.62 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 43 Resp: 363772
Ion Ratio Lower Upper
43 100
58 19.3 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 46.062 ug/l

RT: 2.77 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

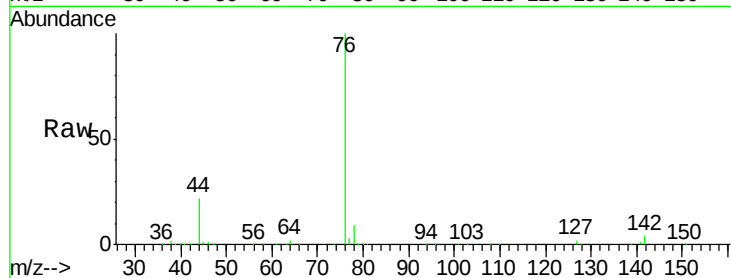
ClientSampleId :

Tot Ion: 76 Resp: 592018

Ion Ratio Lower Upper

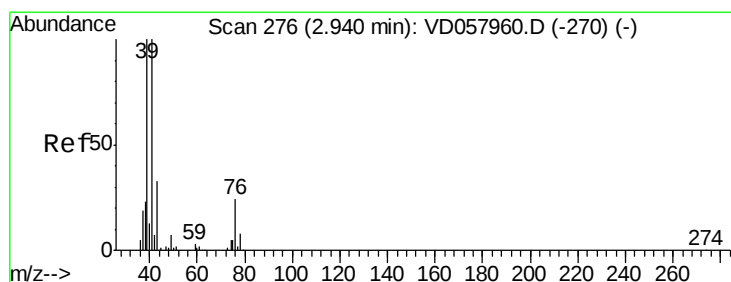
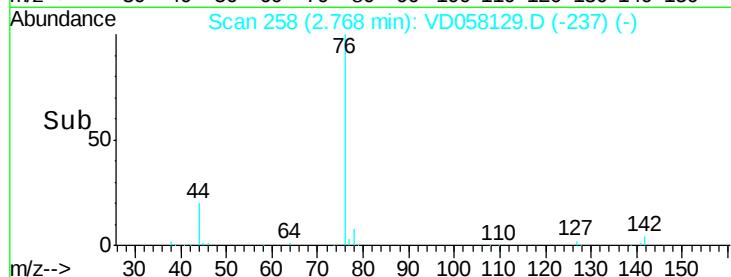
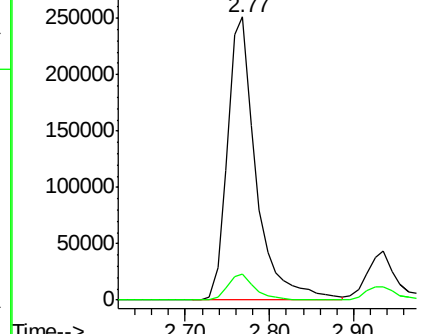
76 100

78 9.0 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.228 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD058129.D

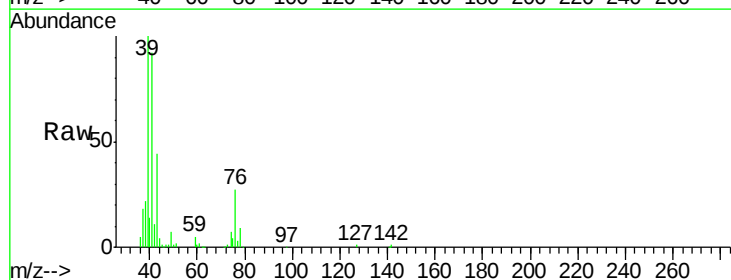
Acq: 14 Jun 2018 11:49

Tgt Ion: 43 Resp: 116409

Ion Ratio Lower Upper

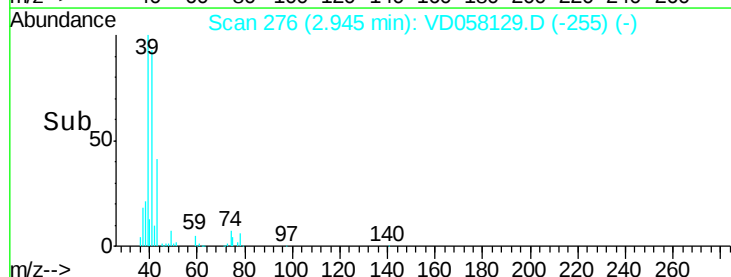
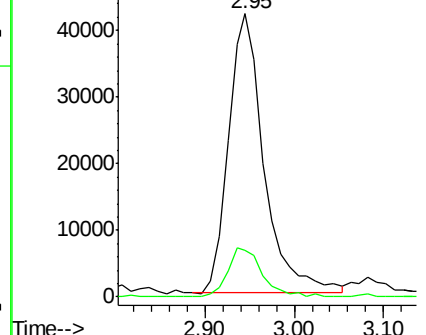
43 100

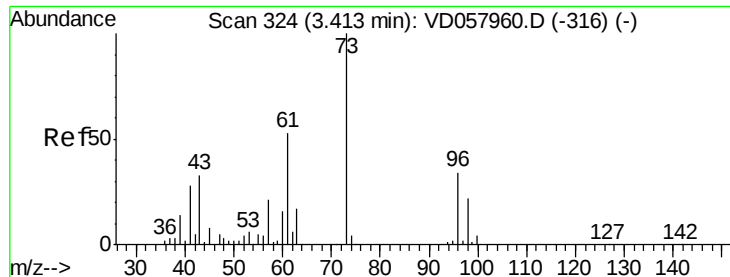
74 16.5 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



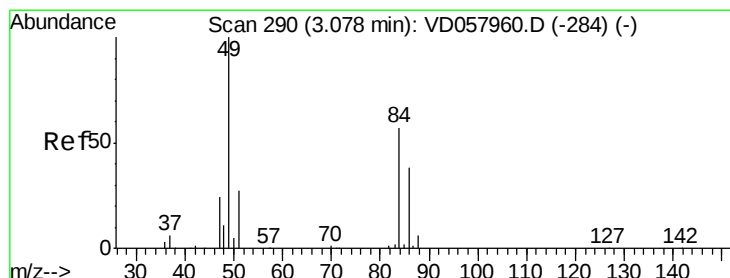
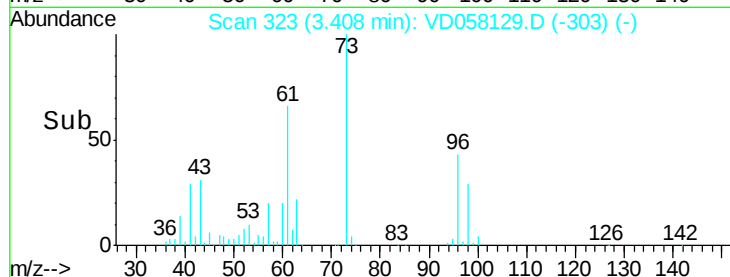
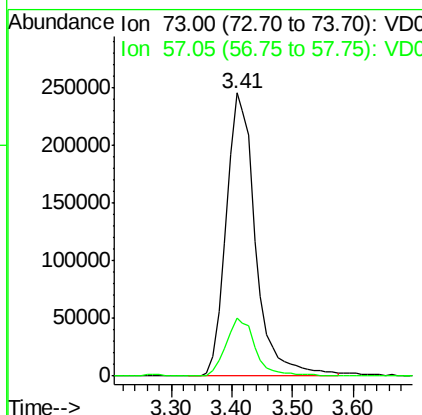
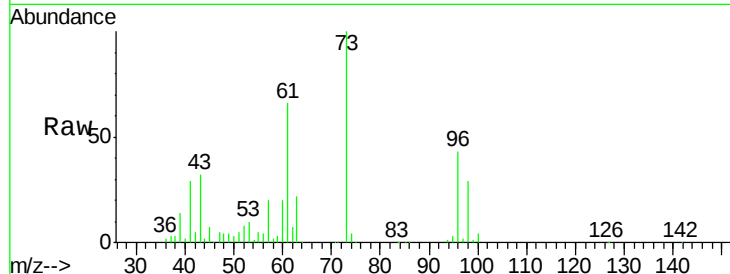


#19

Methyl tert-butyl Ether
 Concen: 52.731 ug/l
 RT: 3.41 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampled :

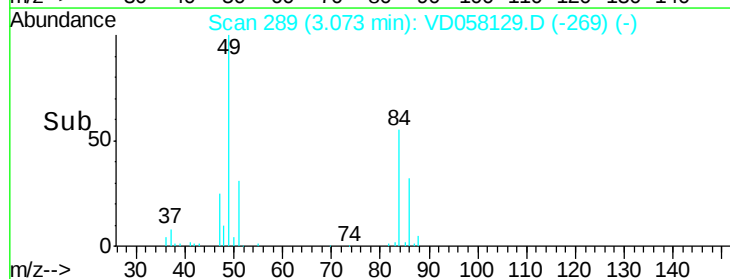
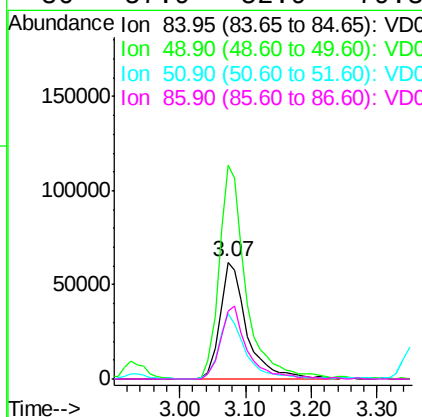
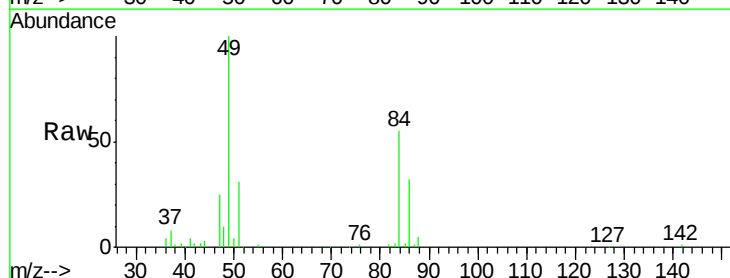
Tot Ion: 73 Resp: 823194
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.7 25.1

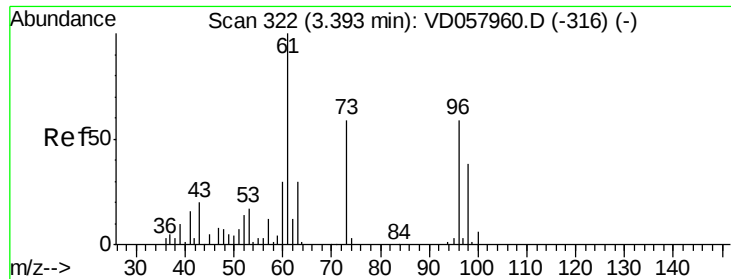


#20

Methylene Chloride
 Concen: 50.758 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion: 84 Resp: 175285
 Ion Ratio Lower Upper
 84 100
 49 182.7 141.4 212.0
 51 55.7 38.3 57.5
 86 57.9 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 50.494 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

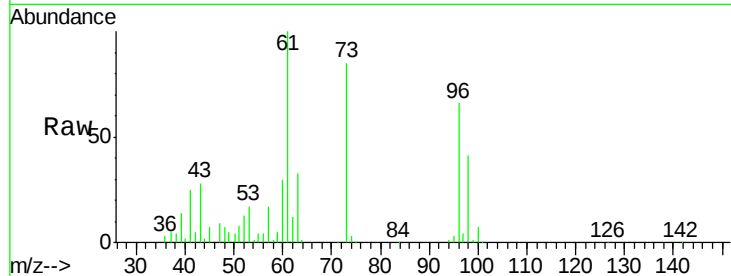
Tot Ion: 96 Resp: 399016

Ion Ratio Lower Upper

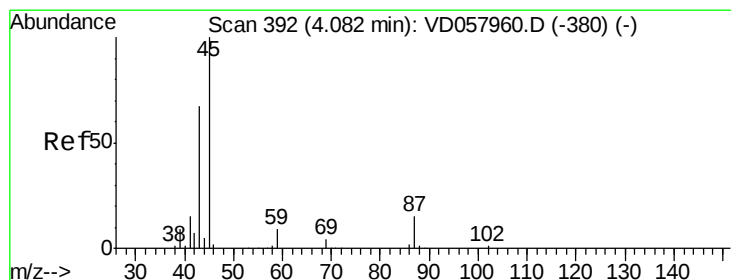
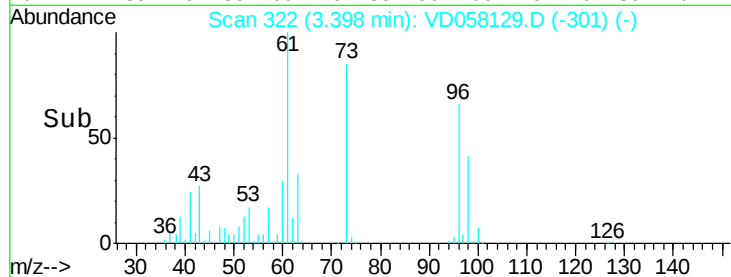
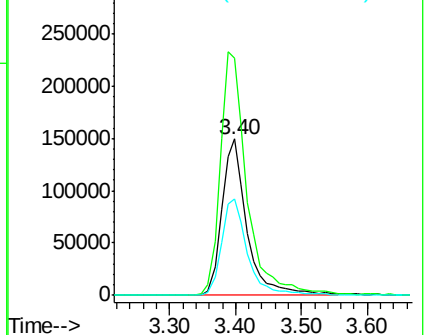
96 100

61 151.8 135.2 202.8

98 61.9 51.7 77.5



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: 47.123 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion: 45 Resp: 1527871

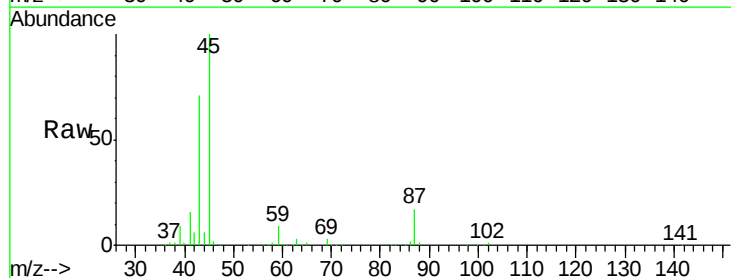
Ion Ratio Lower Upper

45 100

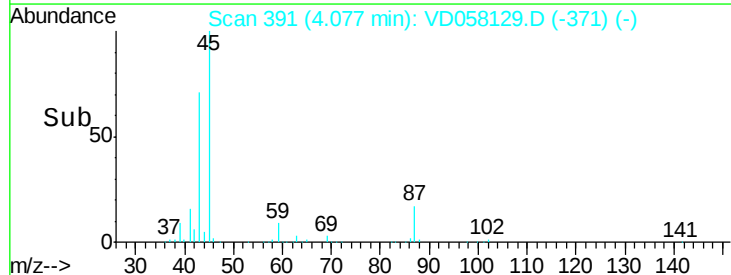
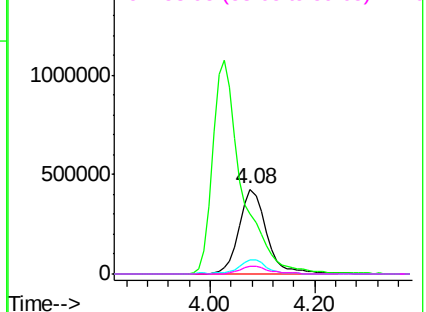
43 70.6 53.8 80.8

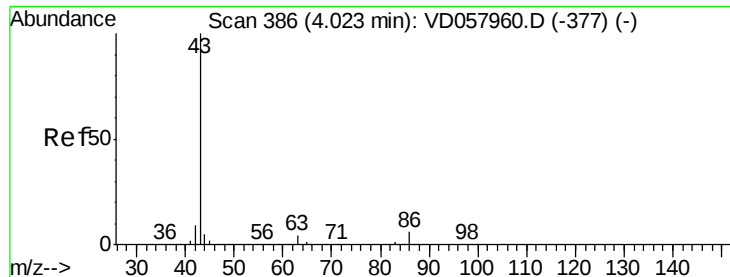
87 17.0 12.5 18.7

59 9.1 7.3 10.9



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: 245.627 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

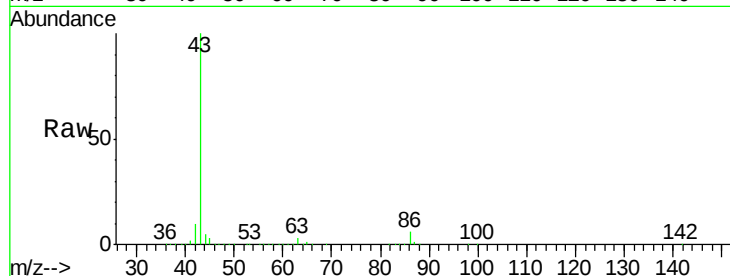
ClientSampleId :

Tot Ion: 43 Resp: 4114871

Ion Ratio Lower Upper

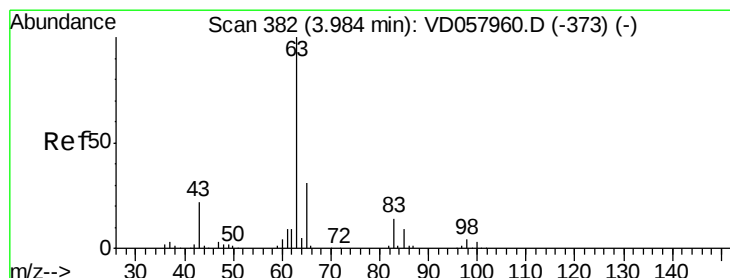
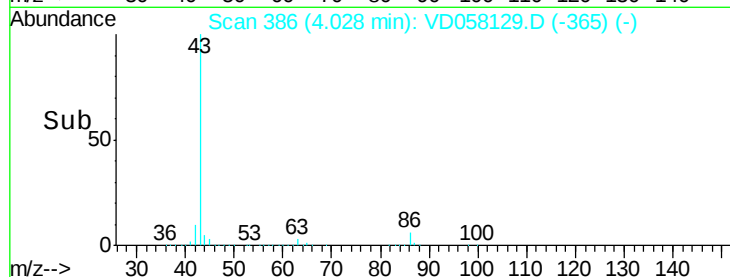
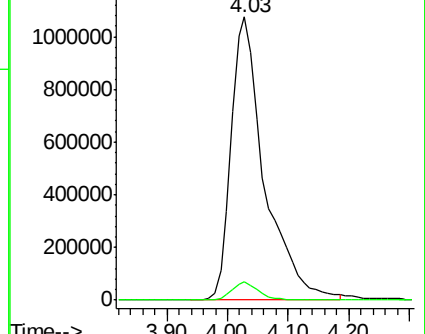
43 100

86 6.4 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.667 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

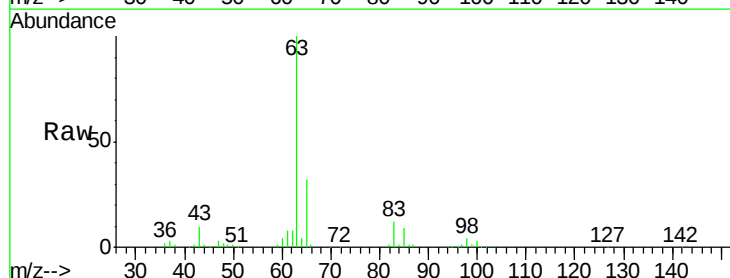
Tgt Ion: 63 Resp: 867224

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

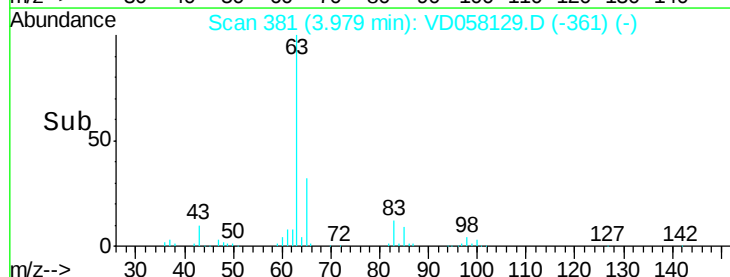
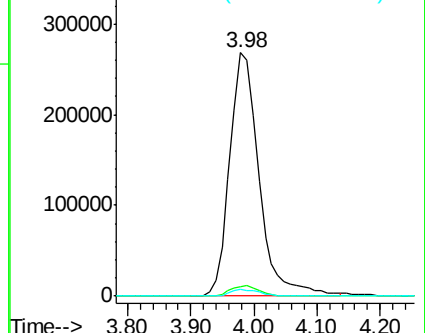
100 3.0 1.4 4.2

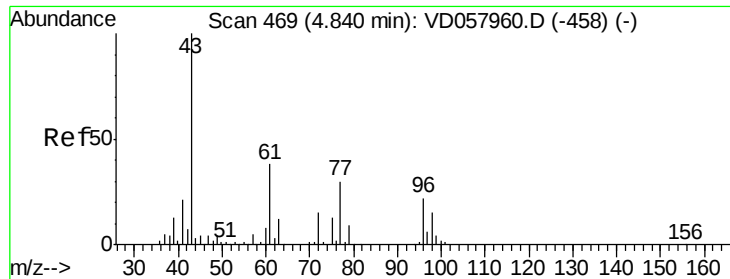


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

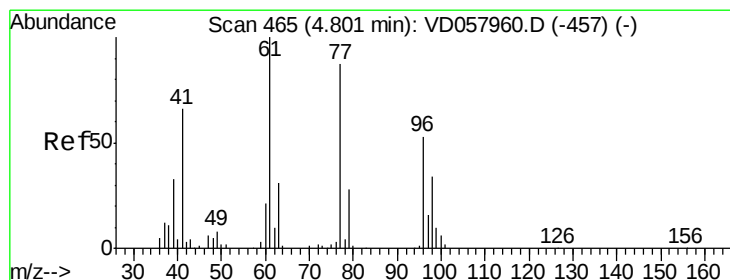
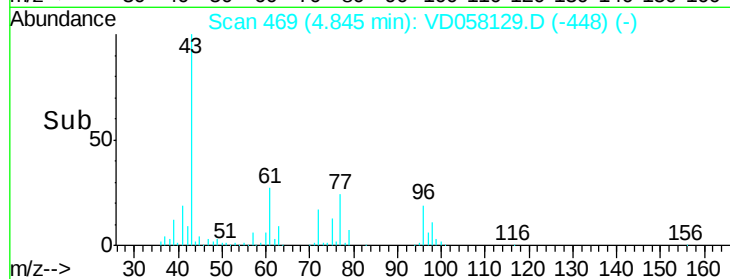
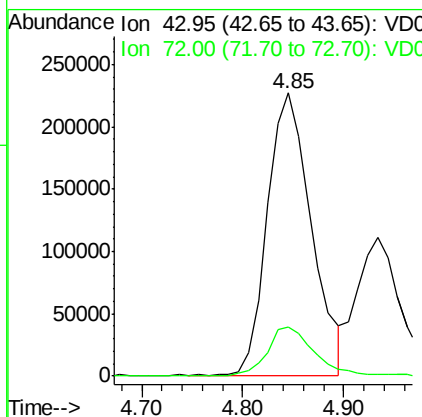
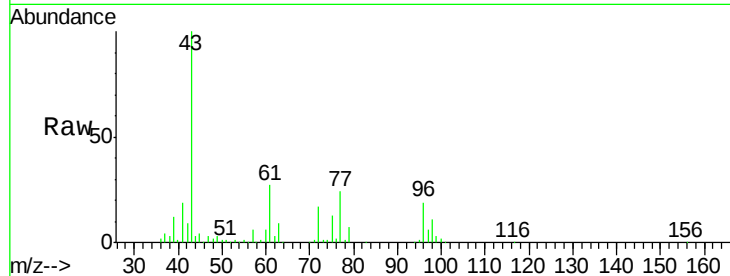




#25
2-Butanone
Concen: 236.966 ug/l
RT: 4.85 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

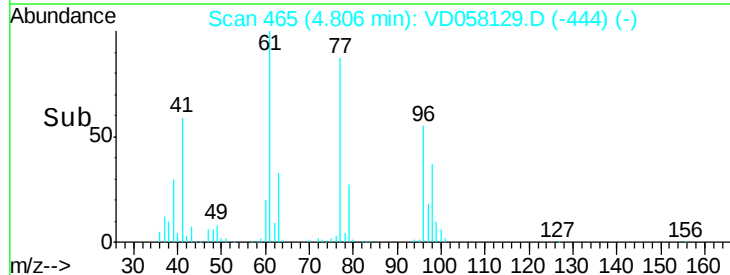
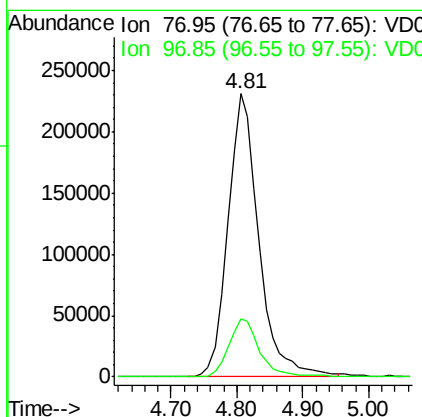
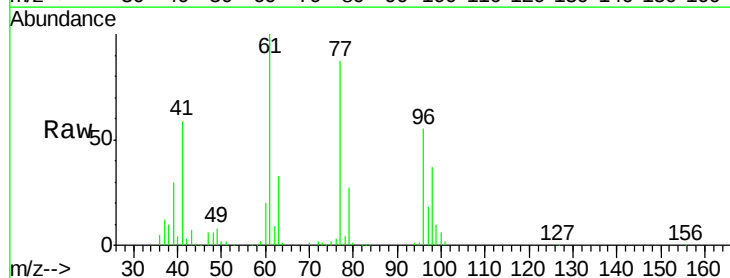
Instrument :
MSVOA_D
ClientSampleId :

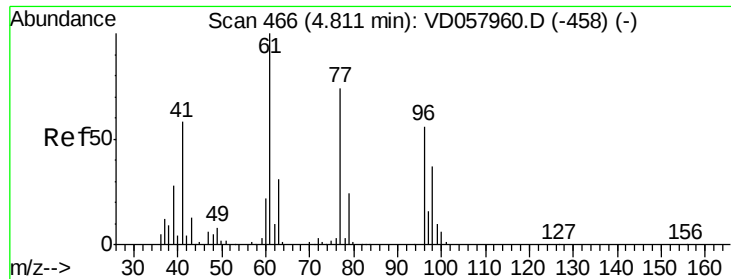
Tot Ion: 43 Resp: 686182
Ion Ratio Lower Upper
43 100
72 17.4 12.0 18.0



#26
2,2-Dichloropropane
Concen: 51.566 ug/l
RT: 4.81 min Scan# 465
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 77 Resp: 756949
Ion Ratio Lower Upper
77 100
97 20.8 9.2 27.6



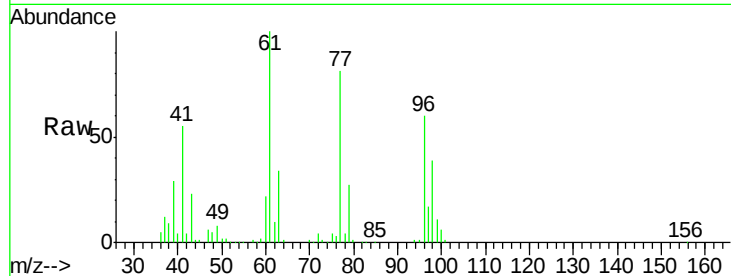


#27

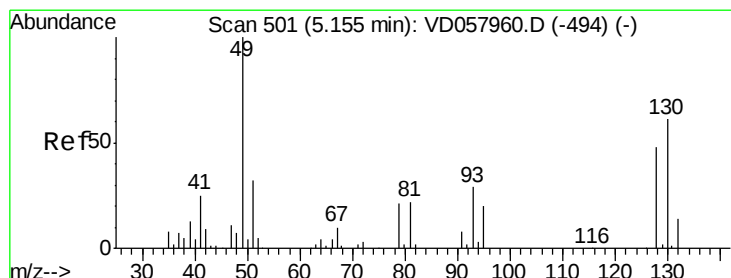
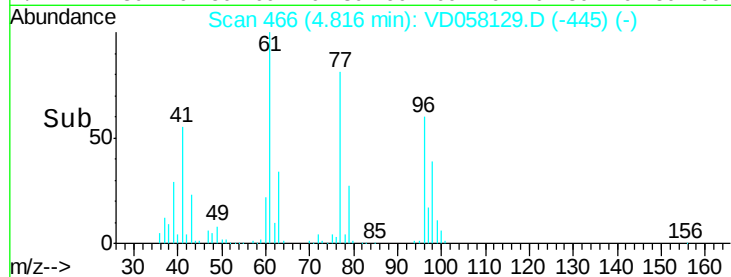
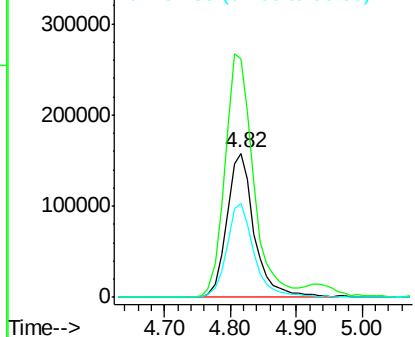
cis-1,2-Dichloroethene
Concen: 49.221 ug/l
RT: 4.82 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	461307
Ion	Ratio	Lower	Upper
96	100		
61	165.9	0.0	355.0
98	65.5	0.0	129.6



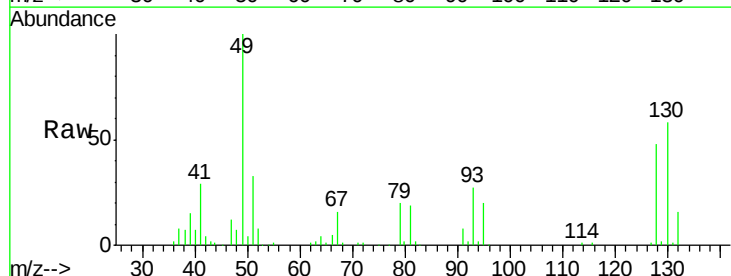
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



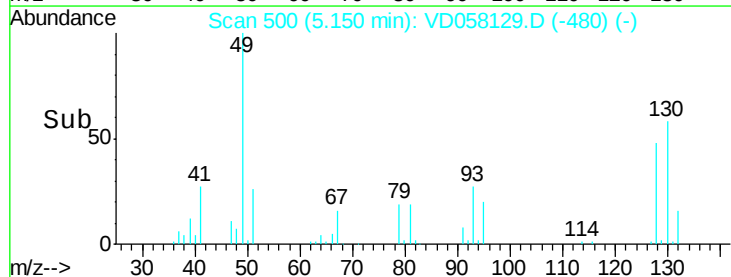
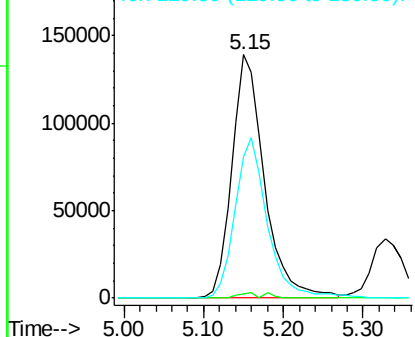
#28

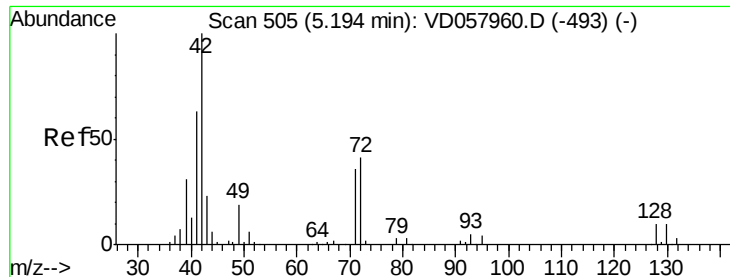
Bromochloromethane
Concen: 51.254 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	49	Resp	395300
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	58.0	48.8	73.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

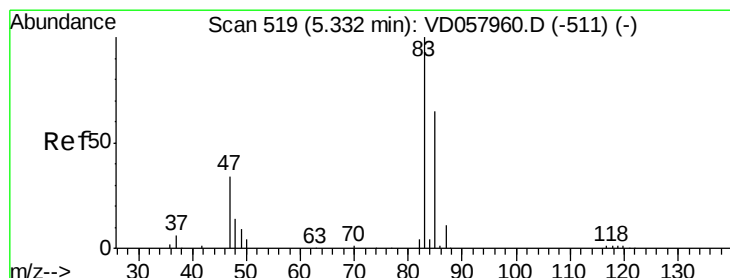
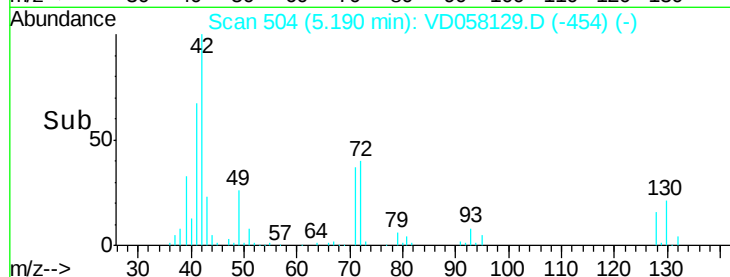
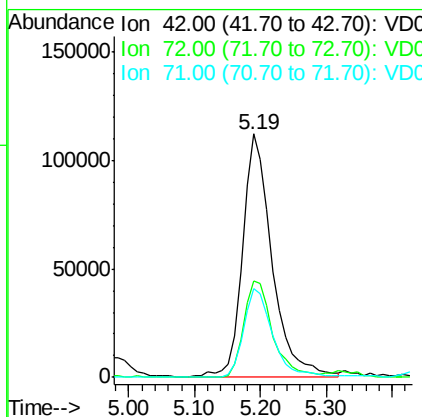
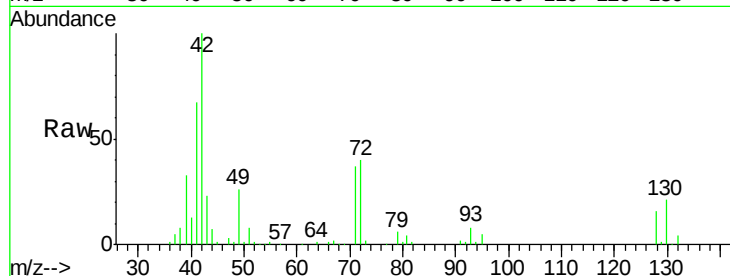




#29
Tetrahydrofuran
Concen: 230.612 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

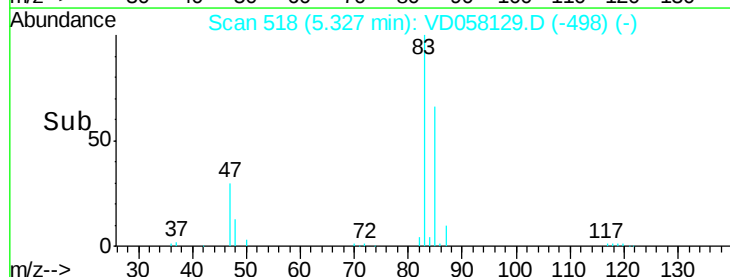
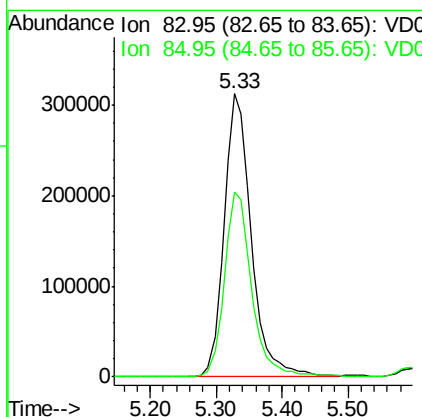
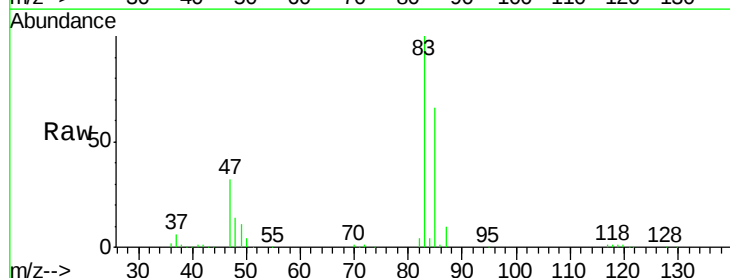
Instrument :
MSVOA_D
ClientSampled :

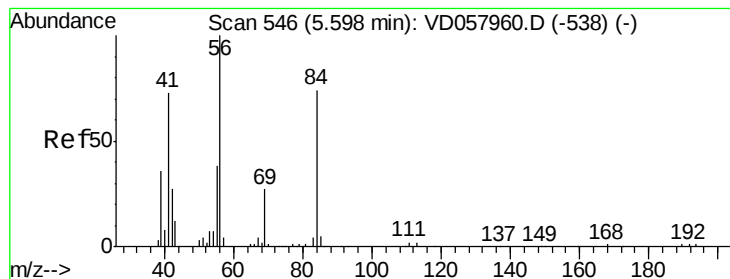
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	28.5	42.7
71	36.4	27.9	41.9



#30
Chloroform
Concen: 50.377 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.6	77.4





#31

Cyclohexane

Concen: 43.082 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

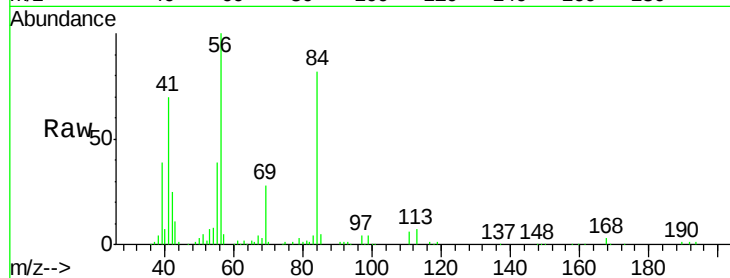
Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 662525

Ion	Ratio	Lower	Upper
56	100		
69	27.9	21.5	32.3
84	82.0	61.0	91.6

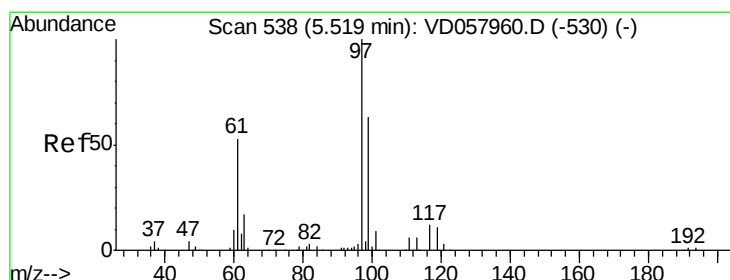
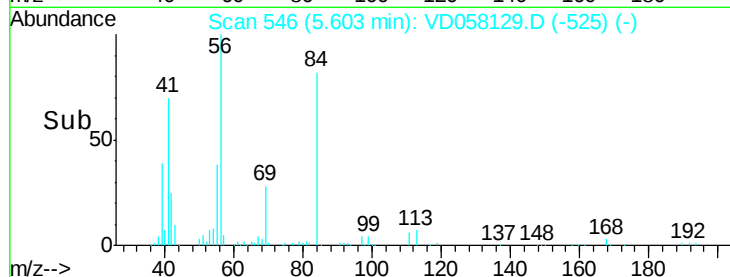
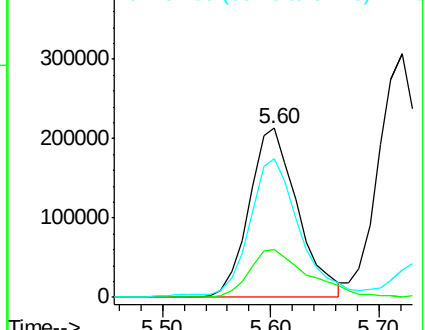


Abundance

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: 49.366 ug/l

RT: 5.52 min Scan# 538

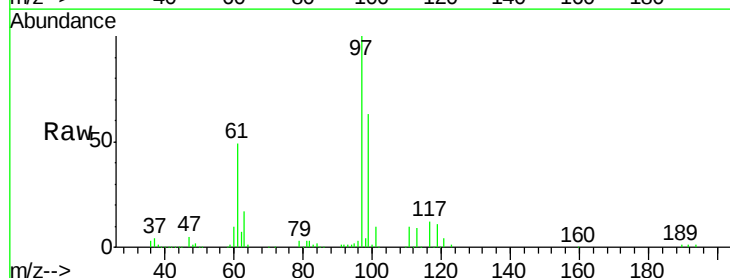
Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion: 97 Resp: 741277

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.1	75.1
61	48.8	42.2	63.4

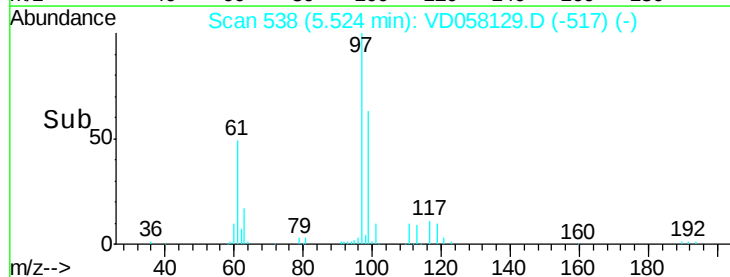
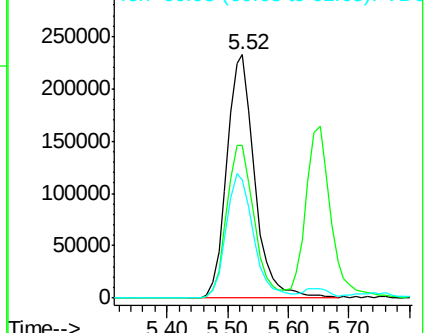


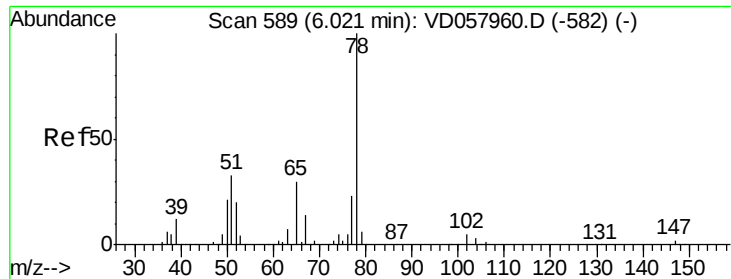
Abundance

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: 49.366 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

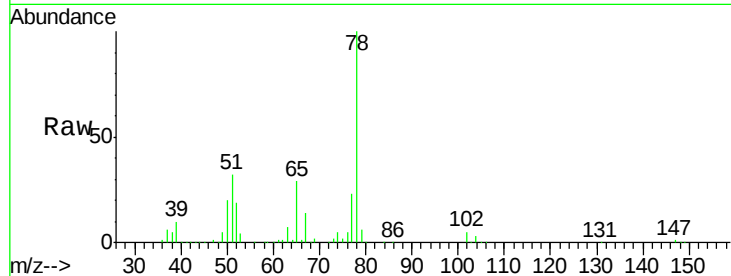
ClientSampleId :

Tot Ion: 65 Resp: 397756

Ion Ratio Lower Upper

65 100

67 47.9 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.03

150000

100000

50000

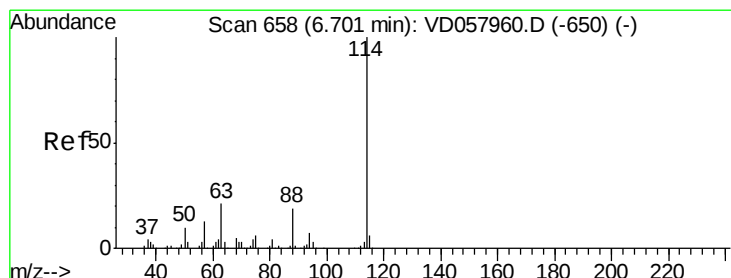
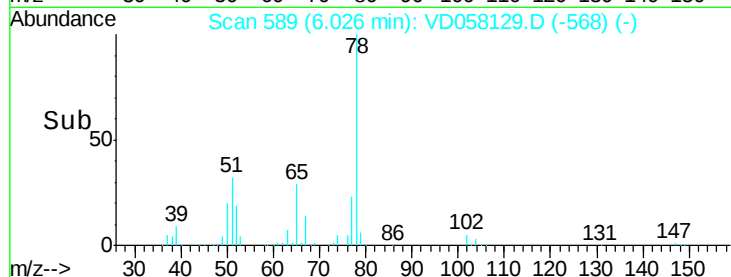
0

Time-->

5.90

6.00

6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

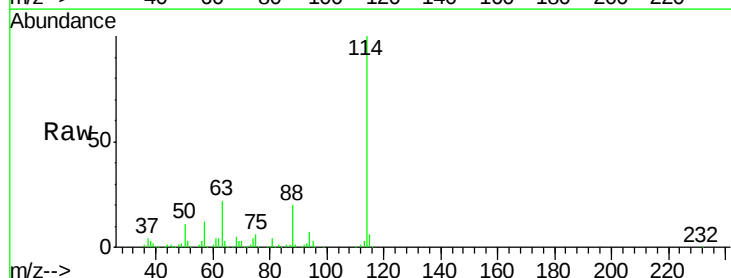
Tgt Ion:114 Resp: 1109323

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.8

88 20.0 0.0 37.8



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

6.70

500000

400000

300000

200000

100000

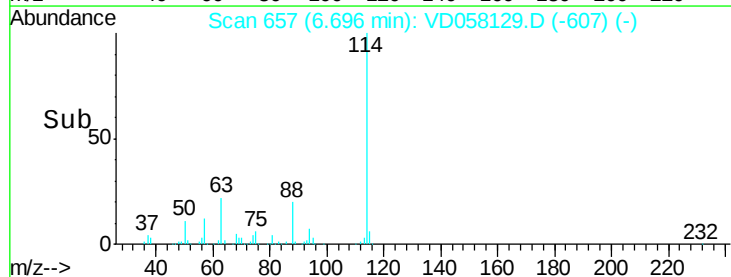
0

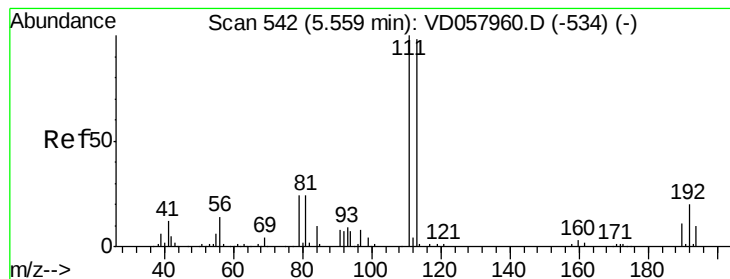
Time-->

6.60

6.80

7.00





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

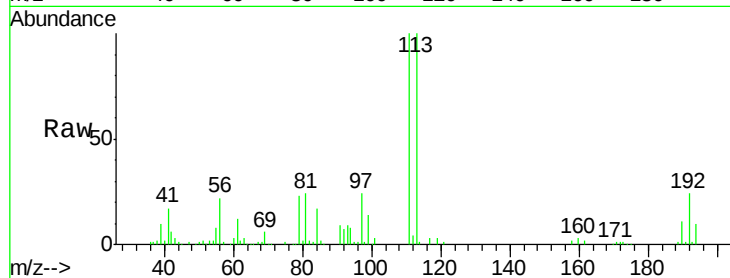
Tot Ion:113 Resp: 411753

Ion Ratio Lower Upper

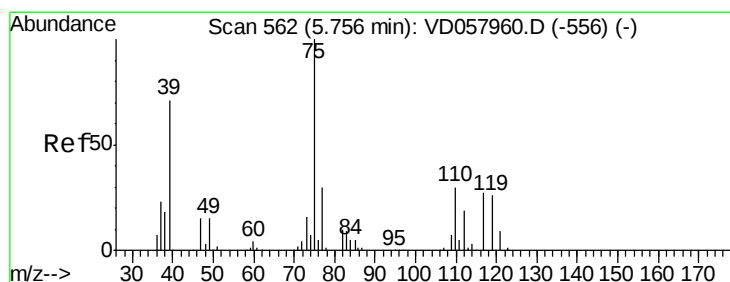
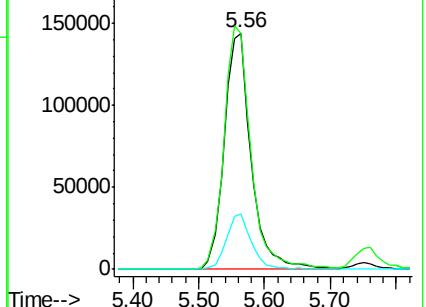
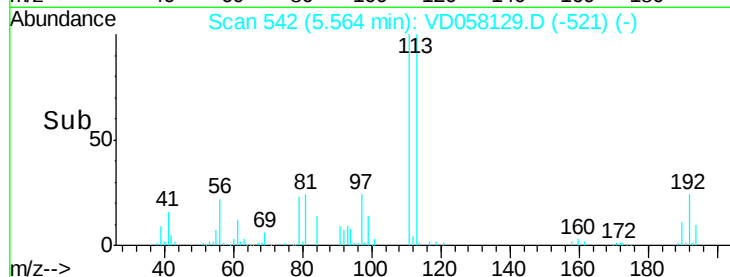
113 100

111 99.7 81.5 122.3

192 23.5 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.254 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

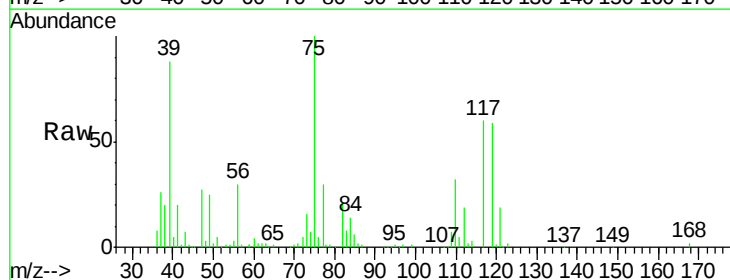
Tgt Ion: 75 Resp: 638633

Ion Ratio Lower Upper

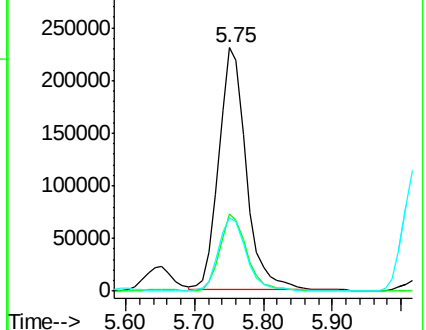
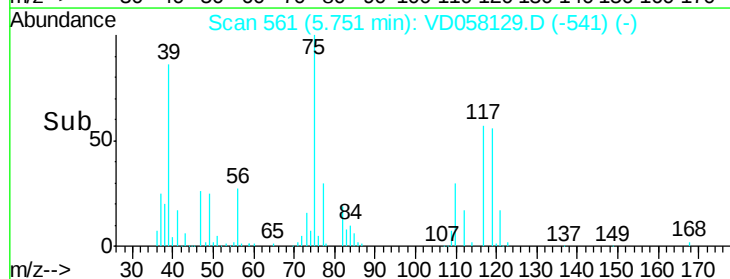
75 100

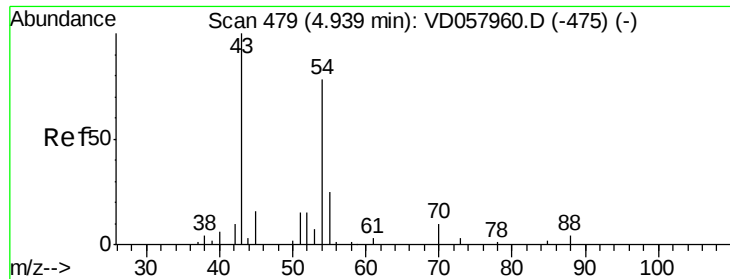
110 31.6 14.8 44.3

77 30.2 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

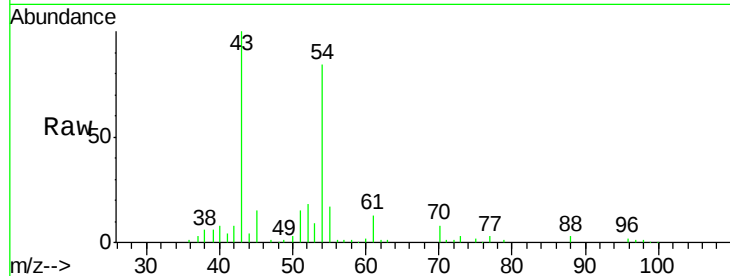




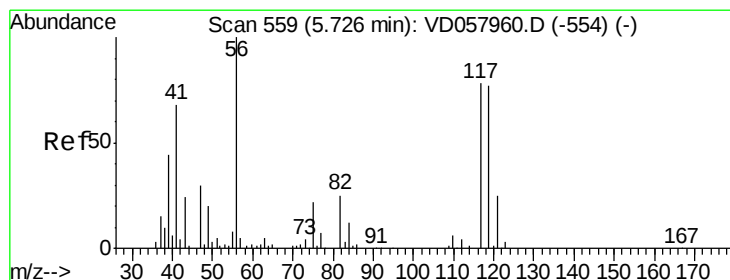
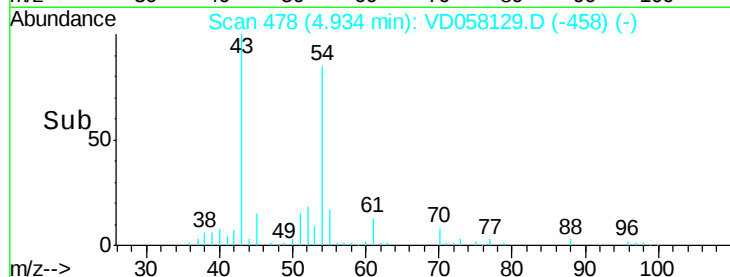
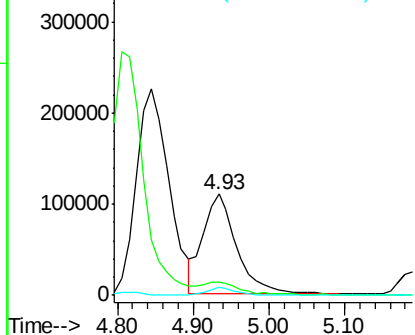
#37
Ethyl Acetate
Concen: 50.876 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 339282
Ion Ratio Lower Upper
43 100
61 13.2 9.9 14.9
70 7.9 5.7 8.5

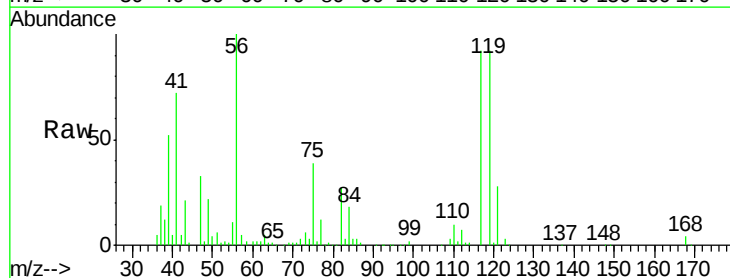


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

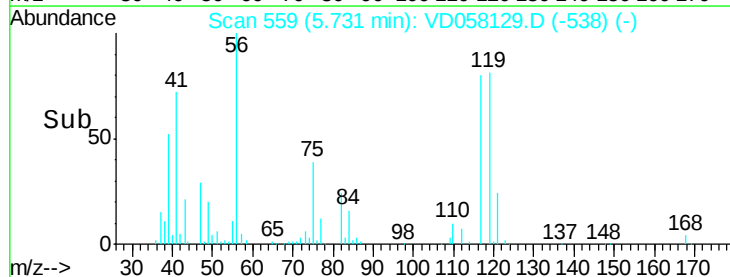
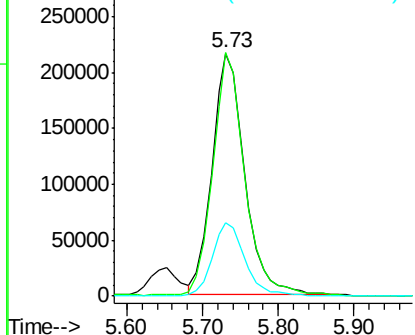


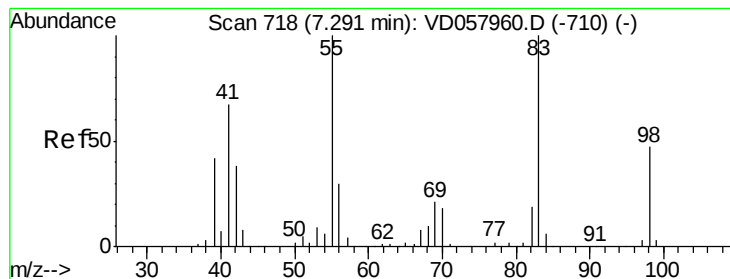
#38
Carbon Tetrachloride
Concen: 53.649 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 117 Resp: 646210
Ion Ratio Lower Upper
117 100
119 100.2 76.1 114.1
121 30.0 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 52.620 ug/l

RT: 7.30 min Scan# 718

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampled :

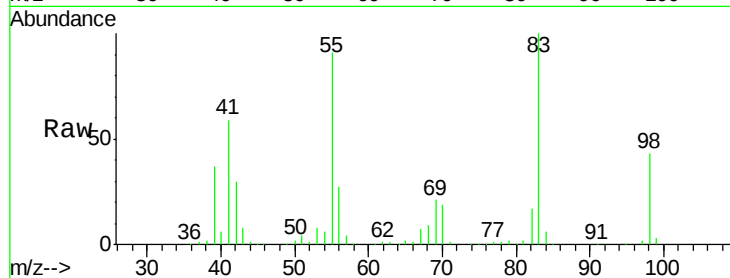
Tot Ion: 83 Resp: 637519

Ion Ratio Lower Upper

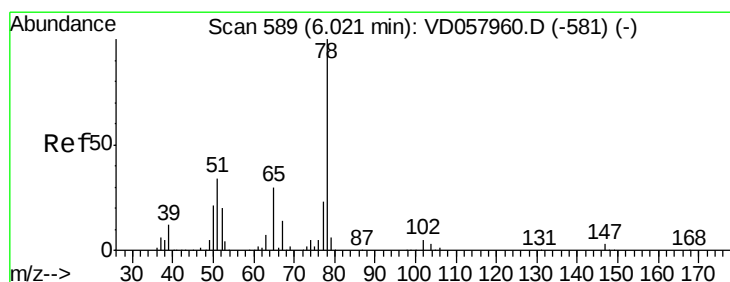
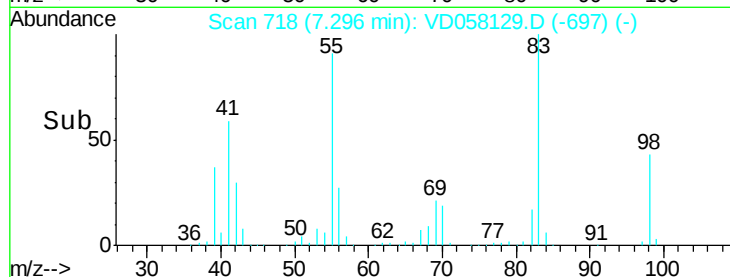
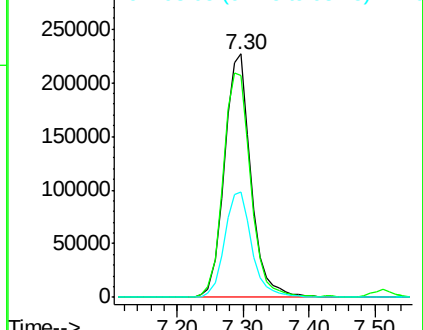
83 100

55 91.3 80.3 120.5

98 43.5 38.0 57.0



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: 52.203 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058129.D

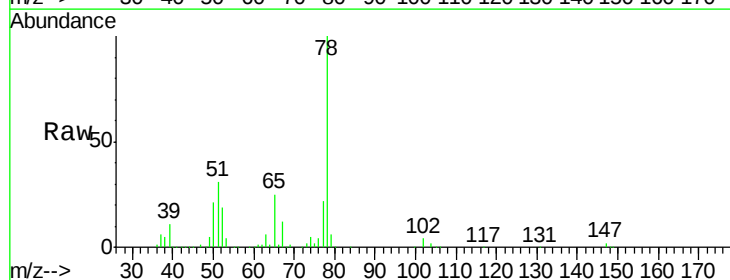
Acq: 14 Jun 2018 11:49

Tgt Ion: 78 Resp: 1490441

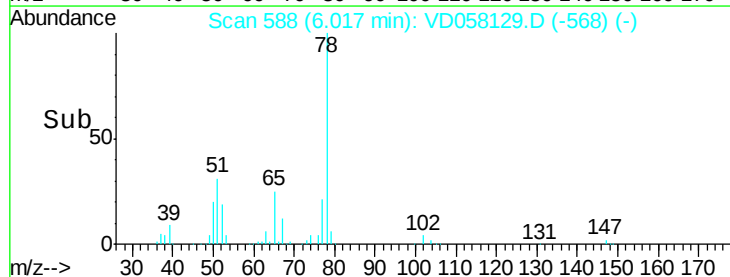
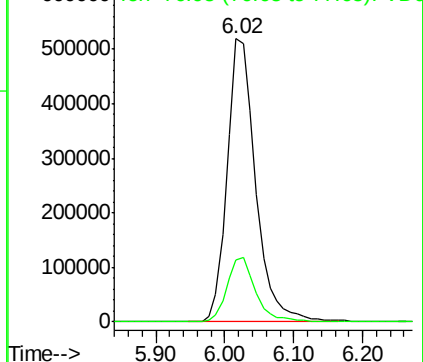
Ion Ratio Lower Upper

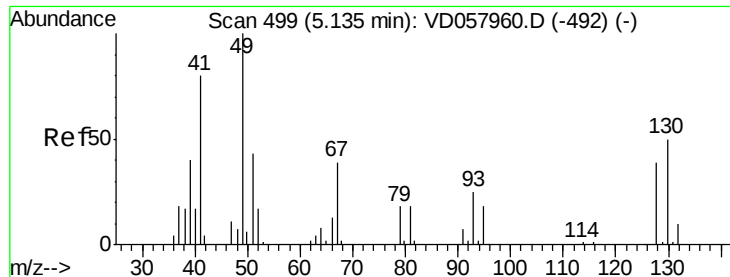
78 100

77 22.1 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 55.443 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 169060

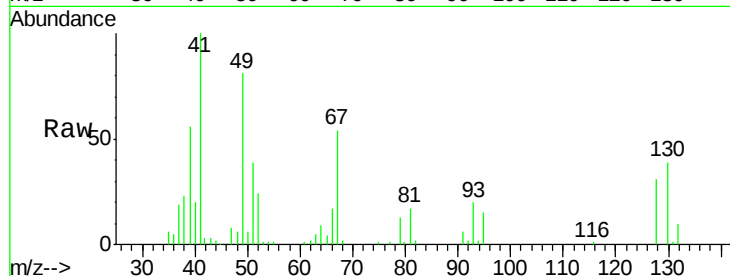
Ion Ratio Lower Upper

41 100

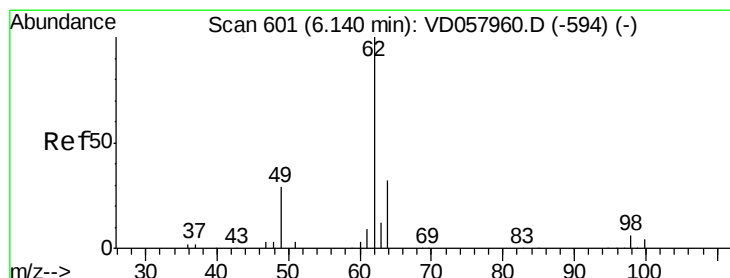
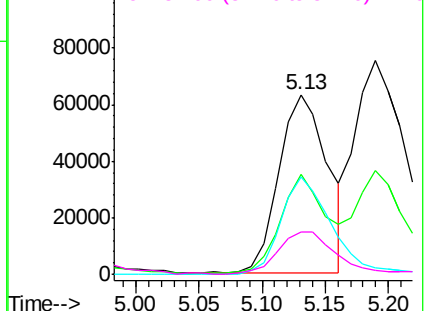
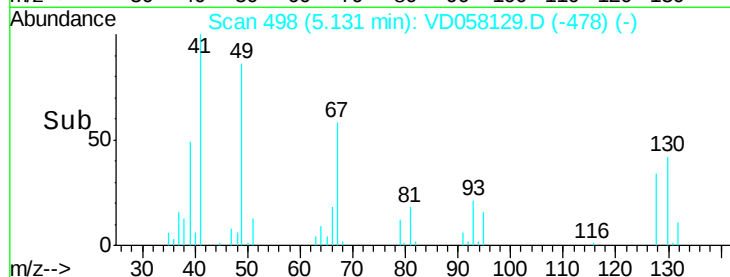
39 56.1 40.7 61.1

67 54.1 38.8 58.2

52 23.9 17.3 25.9



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: 52.470 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD058129.D

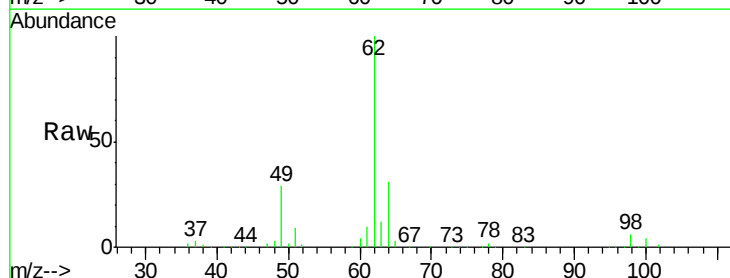
Acq: 14 Jun 2018 11:49

Tgt Ion: 62 Resp: 605690

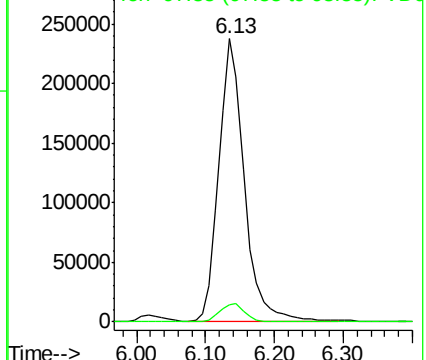
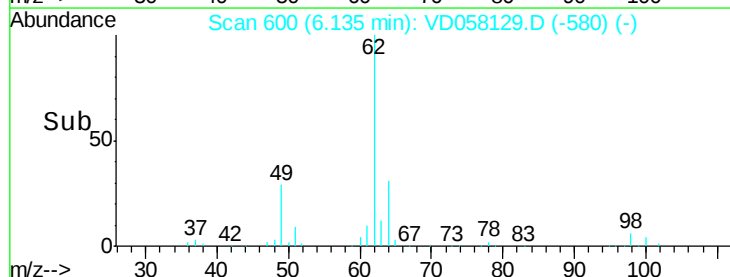
Ion Ratio Lower Upper

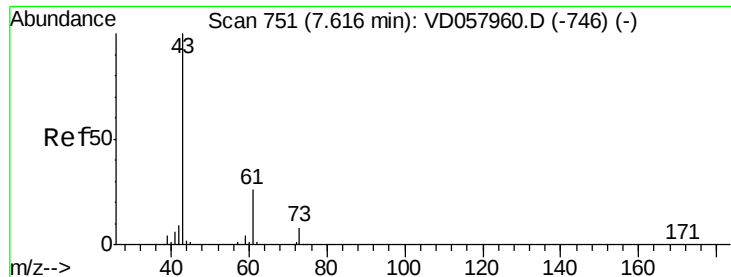
62 100

98 6.0 0.0 12.8



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



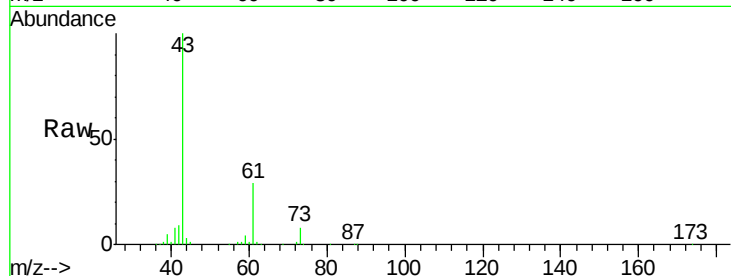


#43

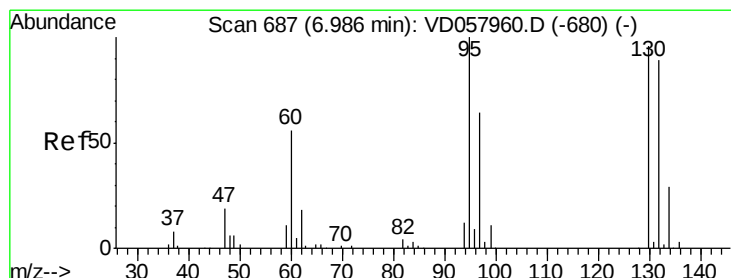
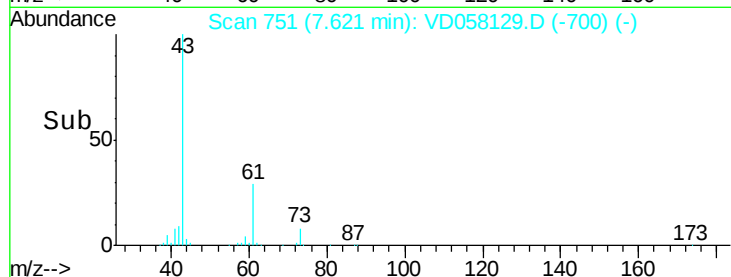
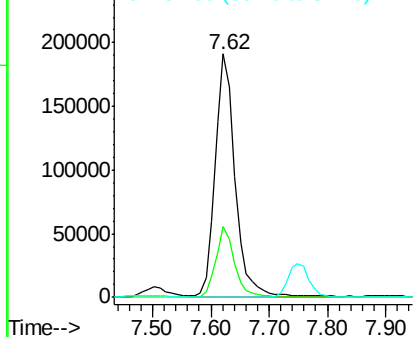
Isopropyl Acetate
 Concen: 51.420 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 449162
 Ion Ratio Lower Upper
 43 100
 61 29.1 20.6 30.8
 87 0.3 0.2 0.4



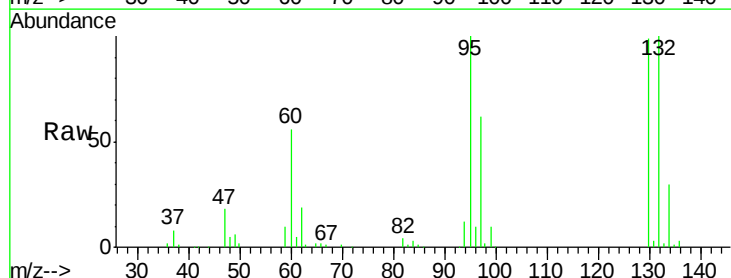
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



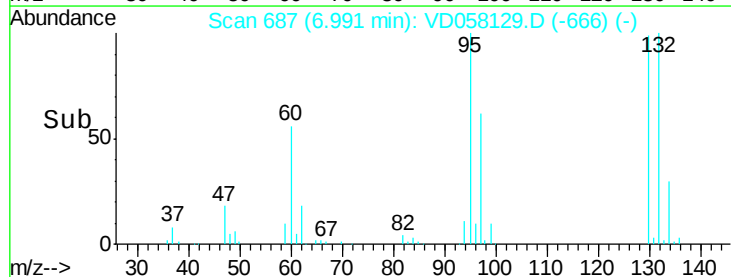
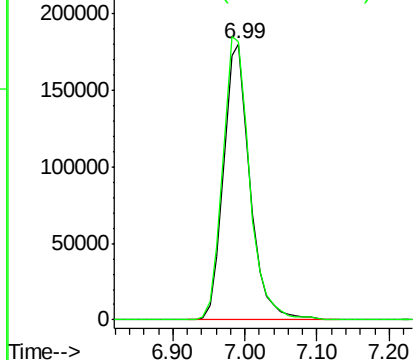
#44

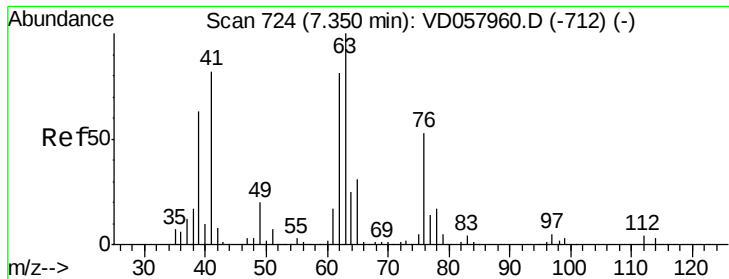
Trichloroethene
 Concen: 54.830 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion: 130 Resp: 457260
 Ion Ratio Lower Upper
 130 100
 95 100.7 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 52.364 ug/l

RT: 7.36 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

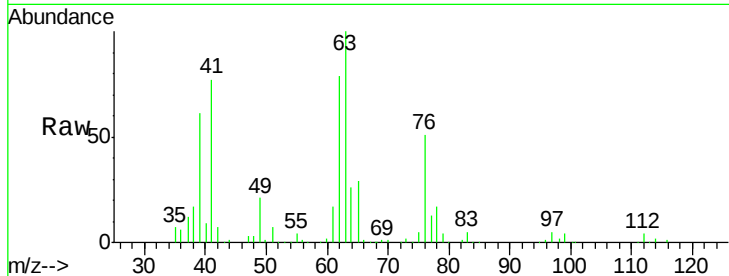
ClientSampleId :

Tot Ion: 63 Resp: 415519

Ion Ratio Lower Upper

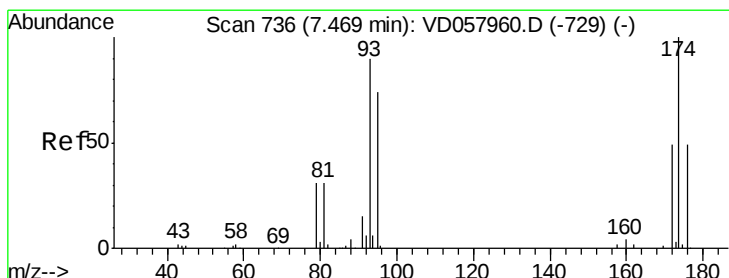
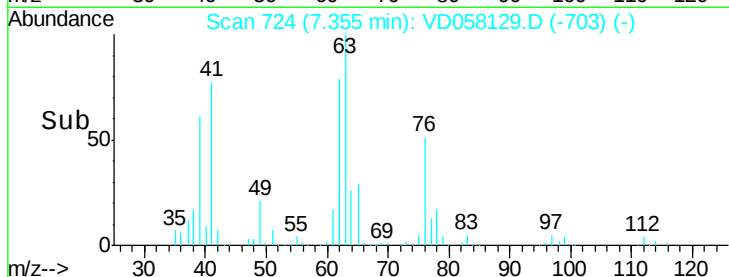
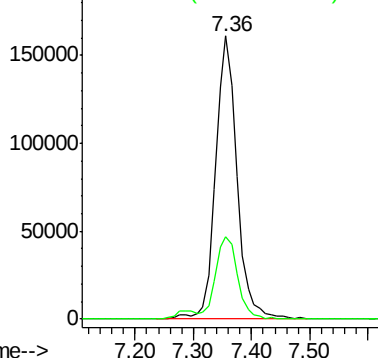
63 100

65 29.0 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.606 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

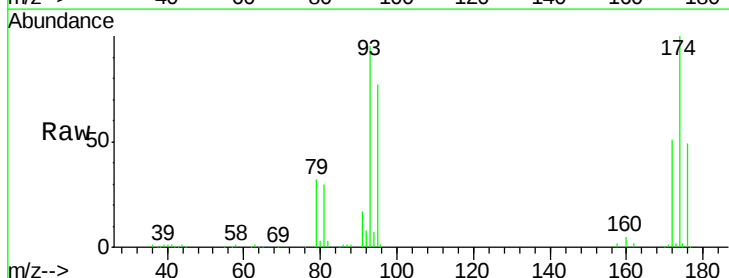
Tgt Ion: 93 Resp: 273261

Ion Ratio Lower Upper

93 100

95 80.3 65.7 98.5

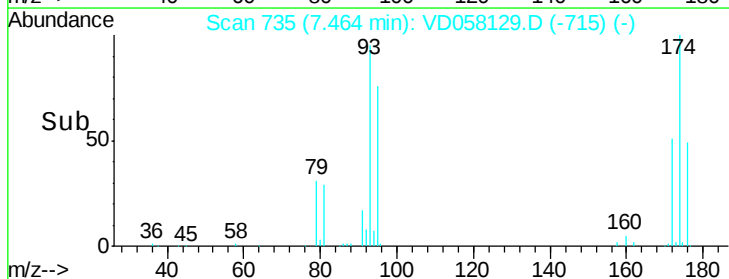
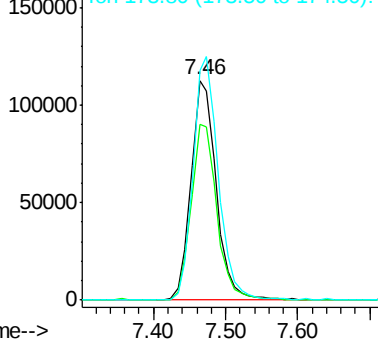
174 104.7 89.0 133.4

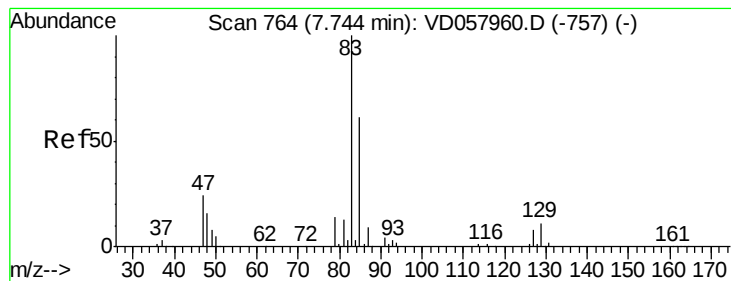


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 54.811 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

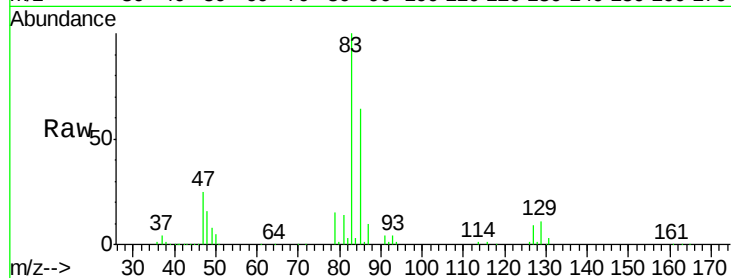
Tot Ion: 83 Resp: 654195

Ion Ratio Lower Upper

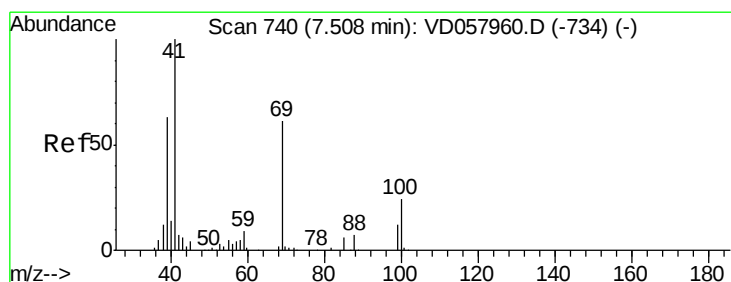
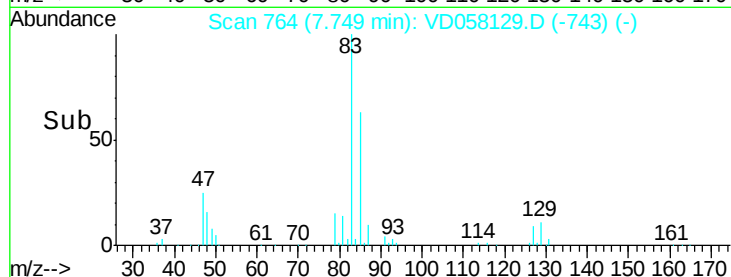
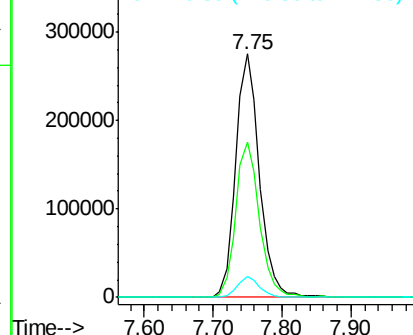
83 100

85 63.6 49.1 73.7

127 8.6 6.2 9.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.628 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

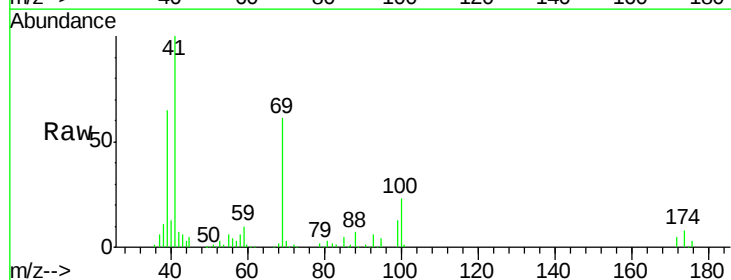
Tgt Ion: 41 Resp: 272193

Ion Ratio Lower Upper

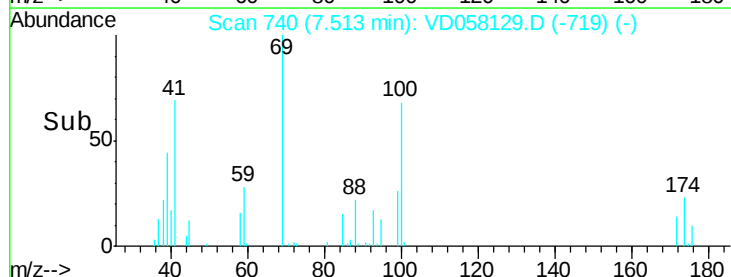
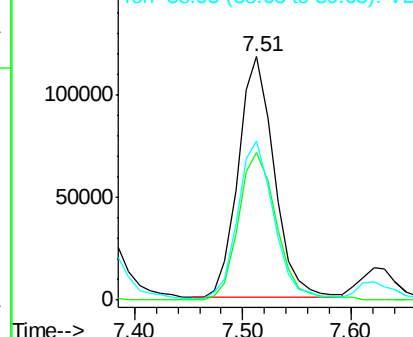
41 100

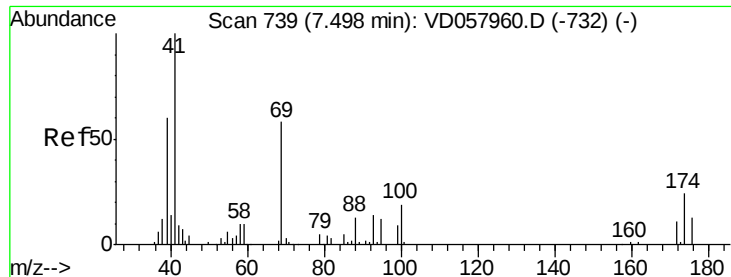
69 60.9 48.0 72.0

39 65.3 50.7 76.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1060.350 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

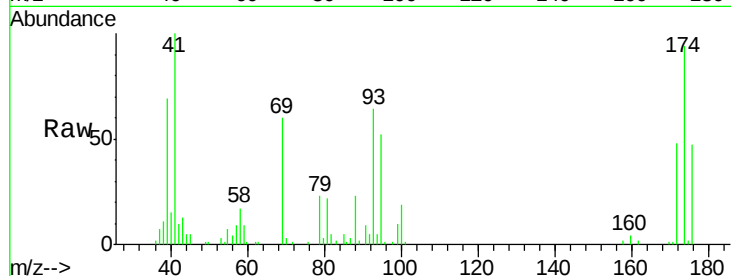
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 88 Resp: 47227

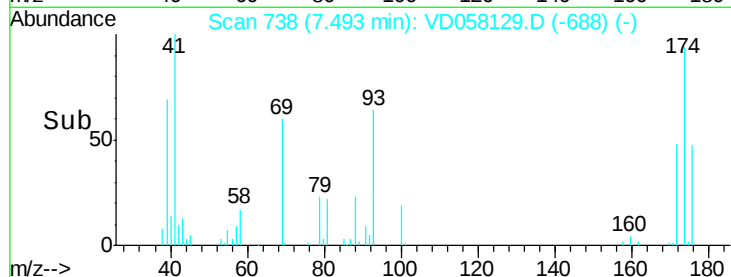
Ion	Ratio	Lower	Upper
88	100		
43	55.4	46.6	69.8
58	74.7	63.6	95.4



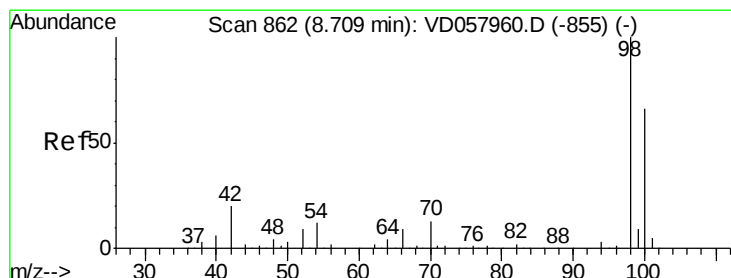
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#50

Toluene-d8

Concen: 1060.350 ug/l

RT: 8.71 min Scan# 862

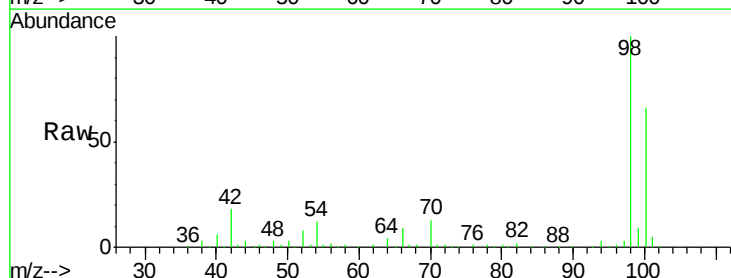
Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

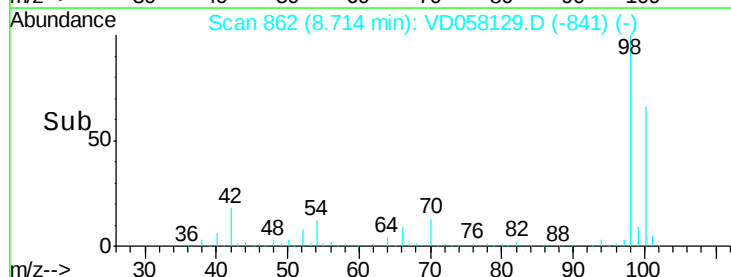
Tgt Ion: 98 Resp: 949456

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.0

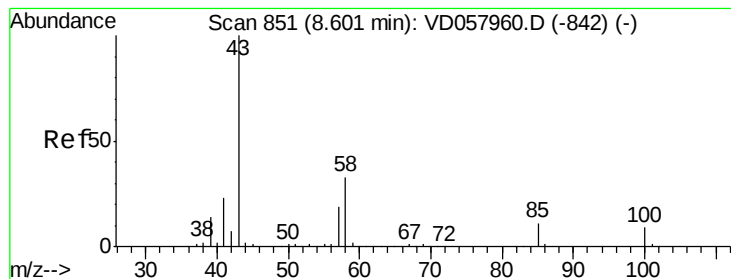


Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



Time-->



#51

4-Methyl-2-Pentanone

Concen: 252.576 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

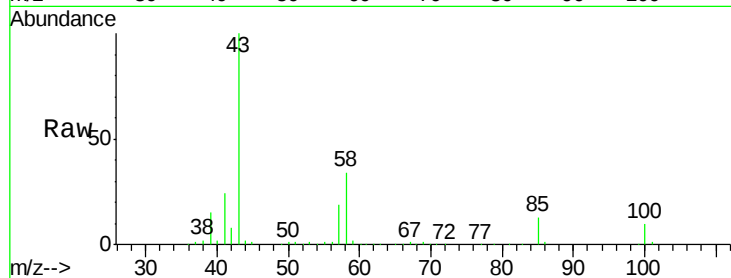
ClientSampled :

Tot Ion: 43 Resp: 1415124

Ion Ratio Lower Upper

43 100

58 34.3 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

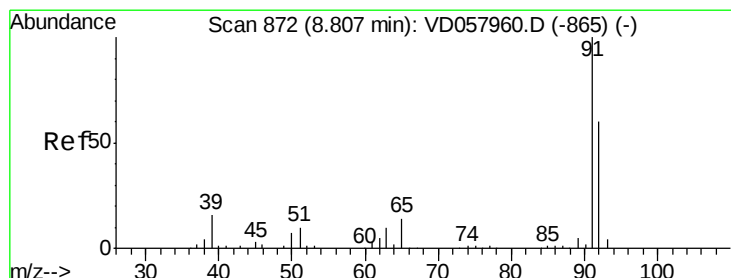
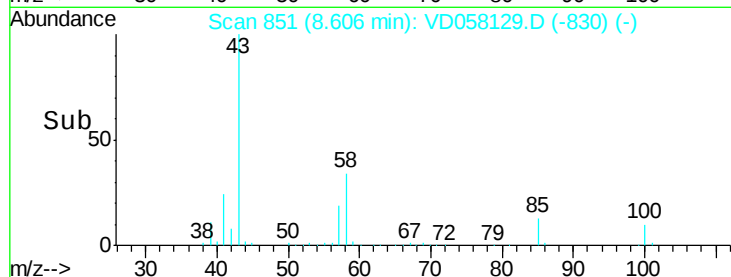
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.054 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058129.D

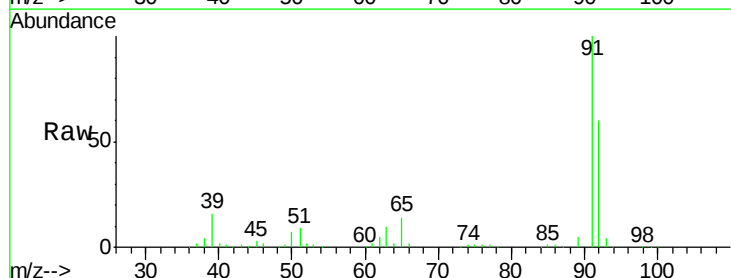
Acq: 14 Jun 2018 11:49

Tgt Ion: 92 Resp: 803783

Ion Ratio Lower Upper

92 100

91 167.5 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

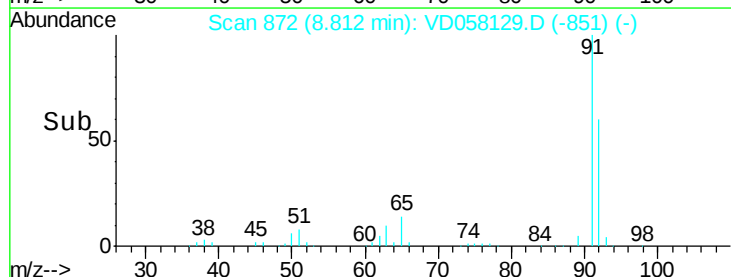
600000

400000

200000

0

Time-->

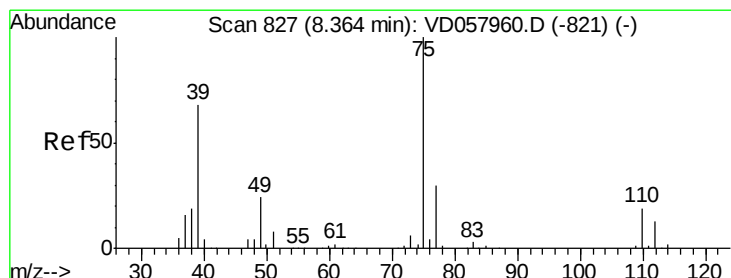
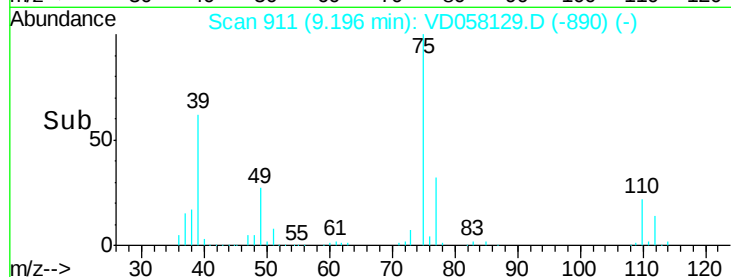
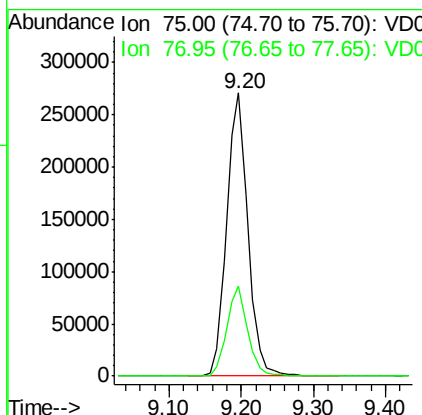
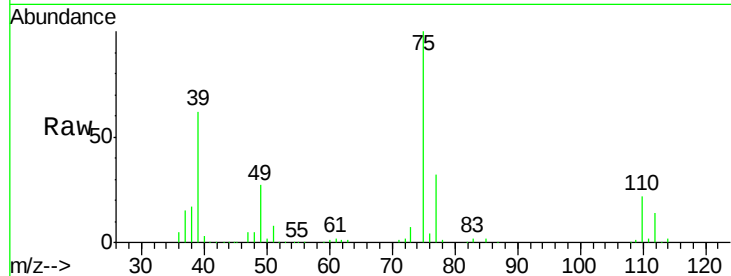




#53
t-1,3-Dichloropropene
Concen: 53.609 ug/l
RT: 9.20 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

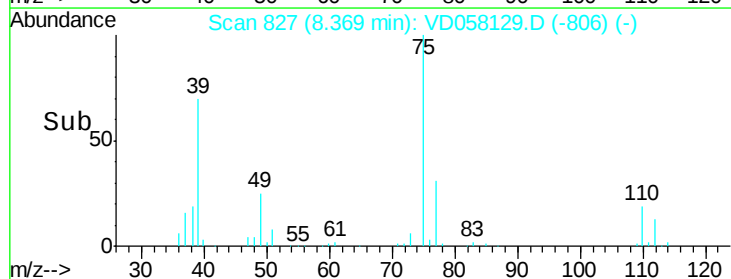
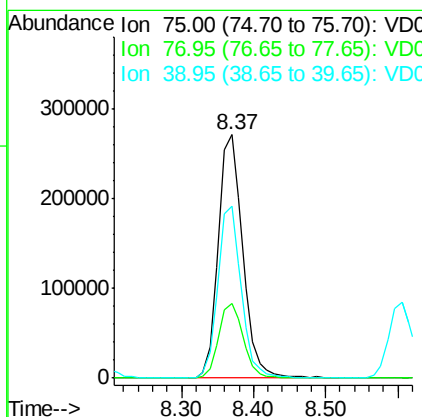
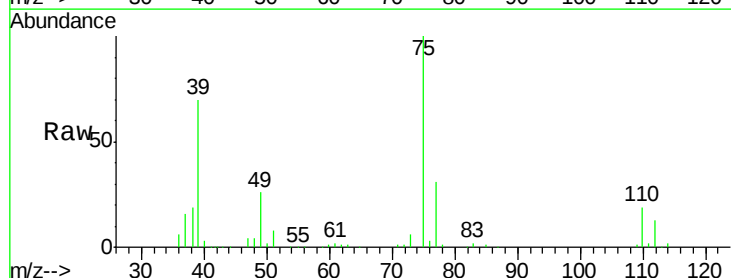
Instrument :
MSVOA_D
ClientSampleId :

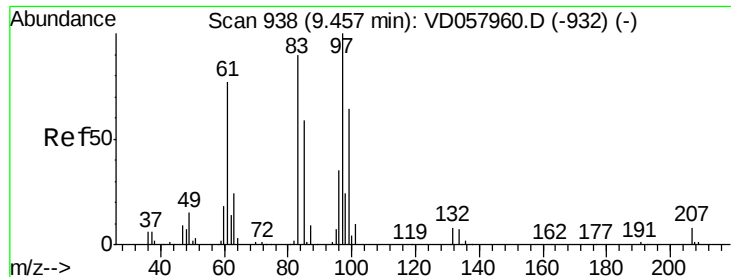
Tot Ion: 75 Resp: 551259
Ion Ratio Lower Upper
75 100
77 32.0 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 52.180 ug/l
RT: 8.37 min Scan# 827
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 75 Resp: 632141
Ion Ratio Lower Upper
75 100
77 30.7 24.1 36.1
39 70.4 54.0 81.0

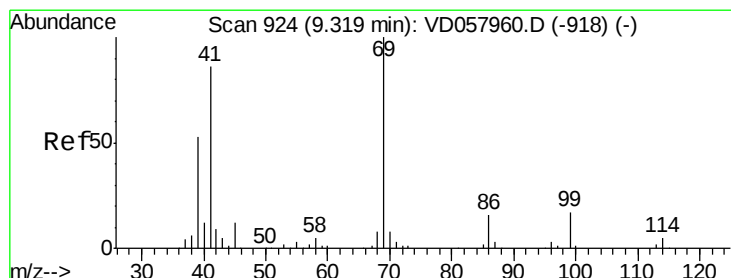
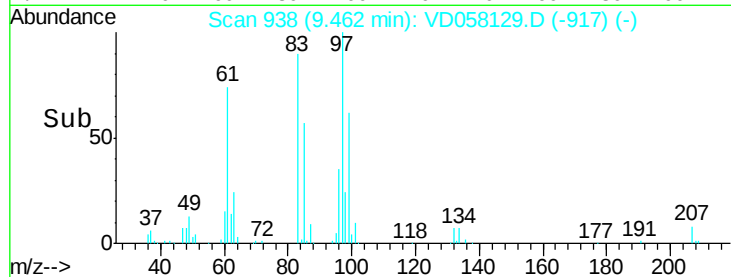
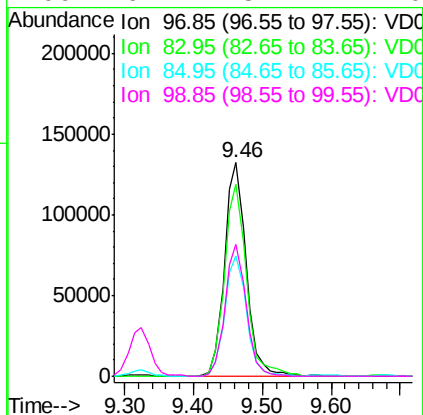
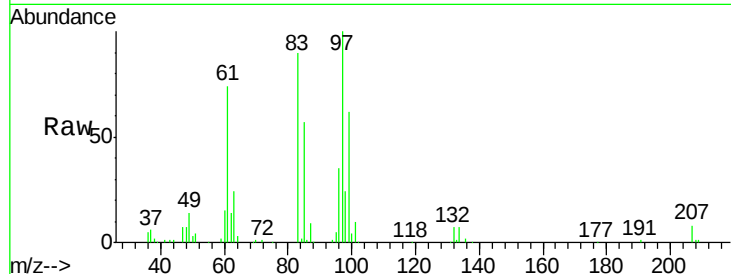




#55
 1,1,2-Trichloroethane
 Concen: 54.290 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

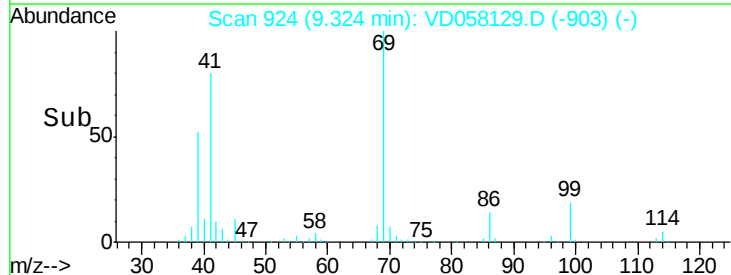
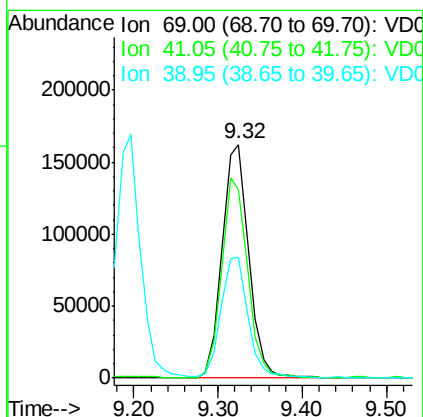
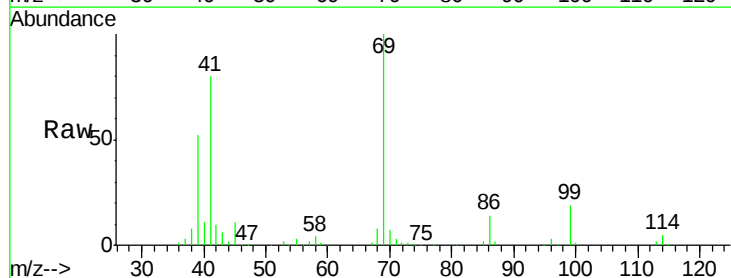
Instrument :
 MSVOA_D
 ClientSampleId :

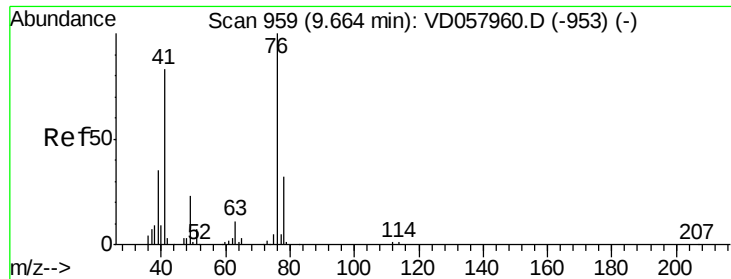
Tot Ion: 97 Resp: 287902
 Ion Ratio Lower Upper
 97 100
 83 90.1 71.8 107.8
 85 56.6 47.2 70.8
 99 61.7 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 54.846 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion: 69 Resp: 356777
 Ion Ratio Lower Upper
 69 100
 41 80.4 68.4 102.6
 39 51.8 43.0 64.4





#57

1,3-Dichloropropane

Concen: 54.461 ug/l

RT: 9.67 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

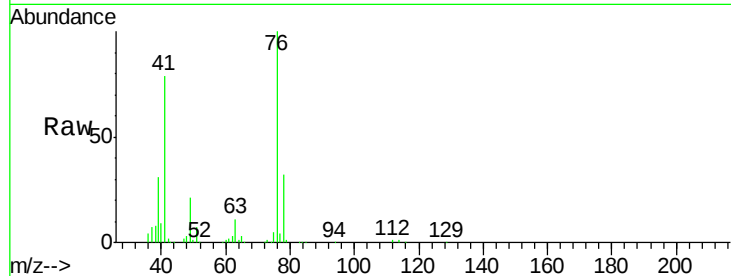
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 506544

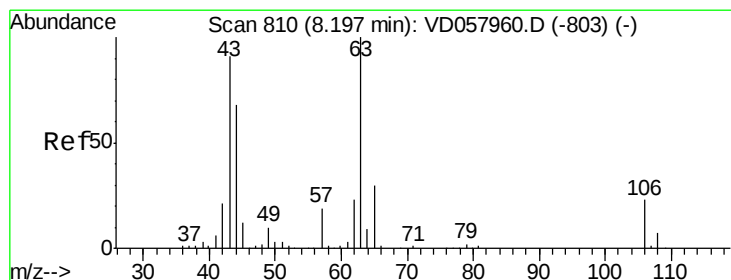
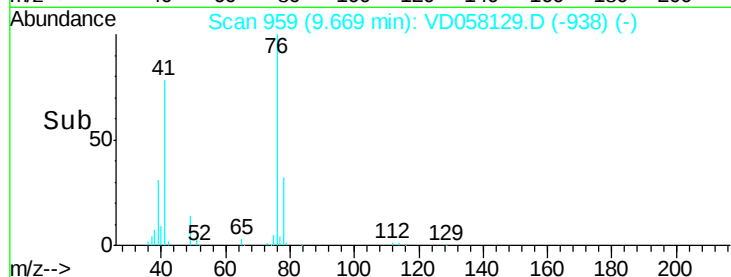
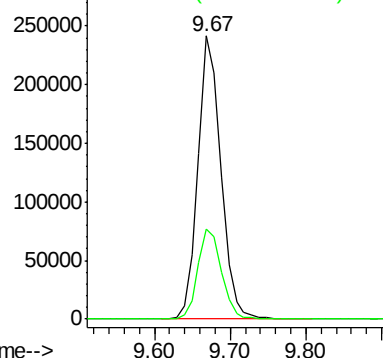
Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 261.447 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD058129.D

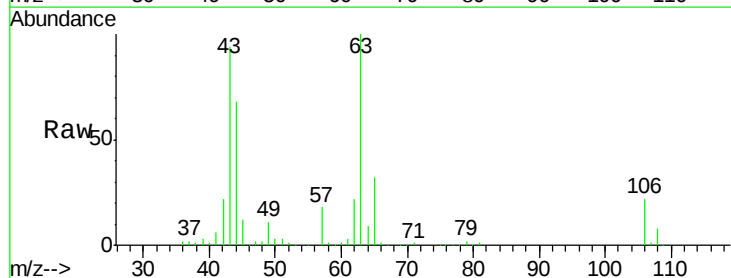
Acq: 14 Jun 2018 11:49

Tgt Ion: 63 Resp: 859255

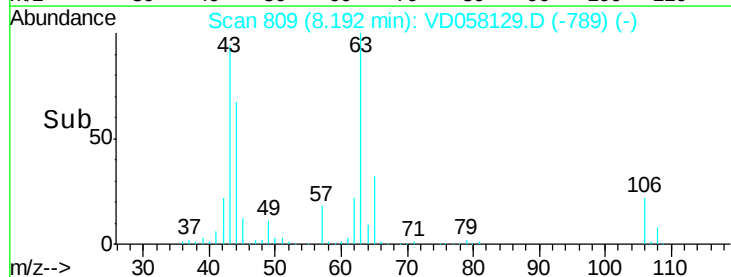
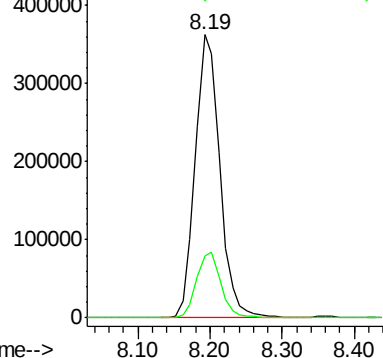
Ion Ratio Lower Upper

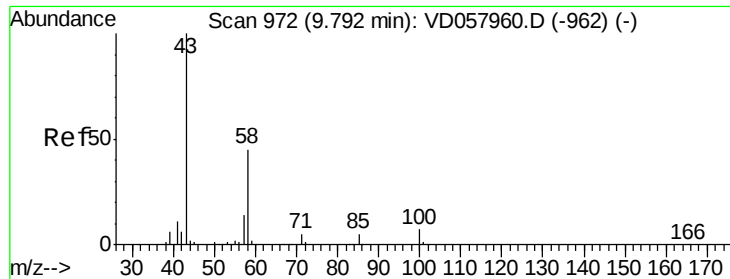
63 100

106 22.1 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

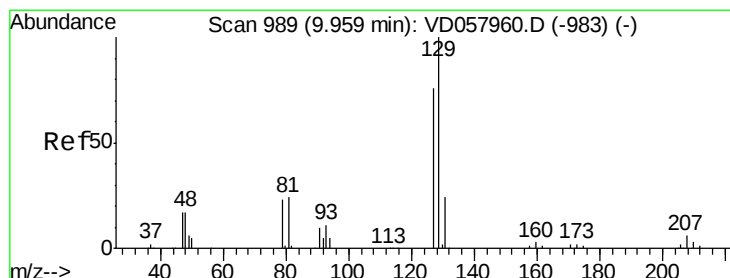
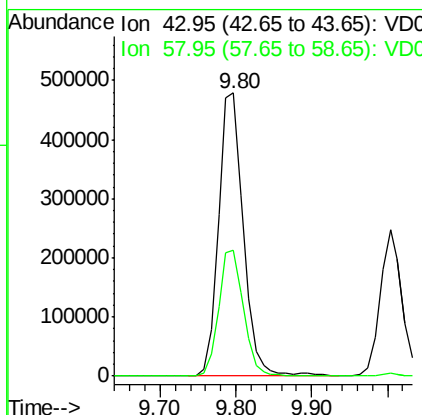
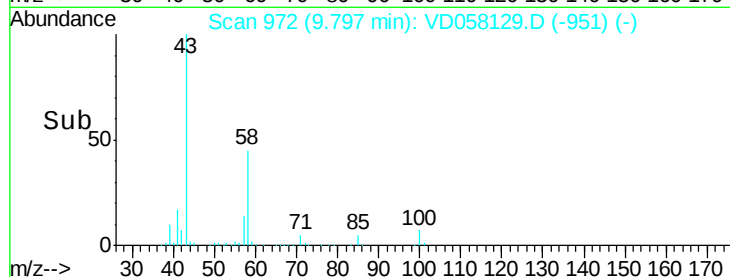
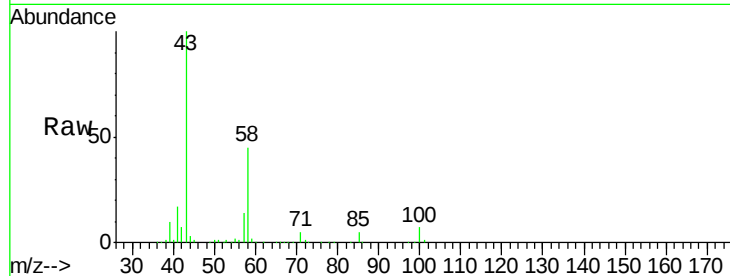




#59
2-Hexanone
Concen: 266.274 ug/l
RT: 9.80 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

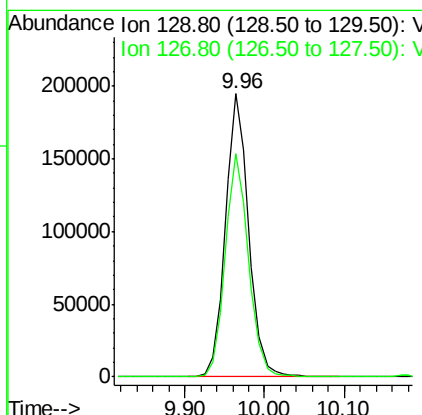
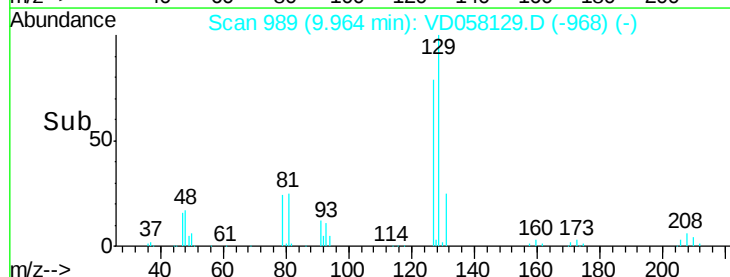
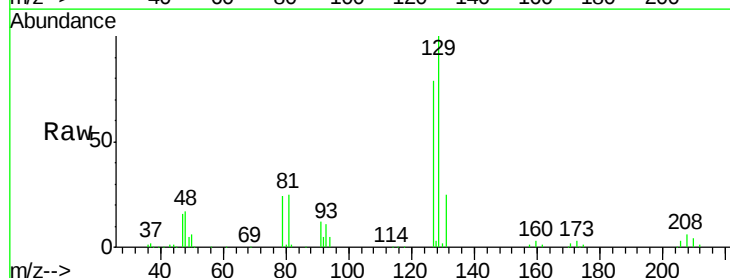
Instrument :
MSVOA_D
ClientSampled :

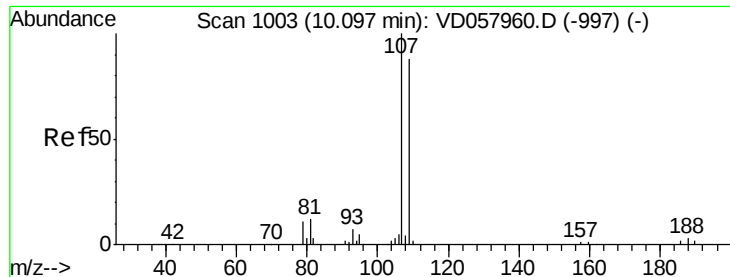
Tot Ion: 43 Resp: 1093300
Ion Ratio Lower Upper
43 100
58 44.7 22.5 67.5



#60
Dibromochloromethane
Concen: 53.484 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion:129 Resp: 399957
Ion Ratio Lower Upper
129 100
127 78.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 51.965 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

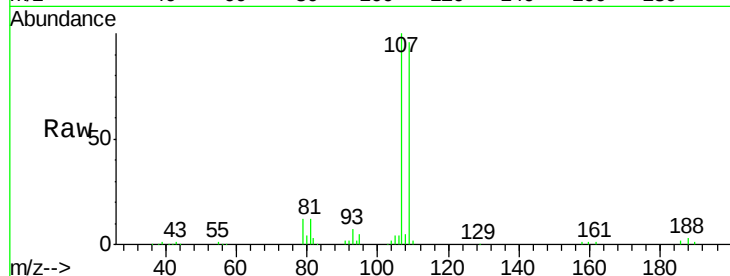
ClientSampleId :

Tot Ion: 107 Resp: 316913

Ion Ratio Lower Upper

107 100

109 96.1 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

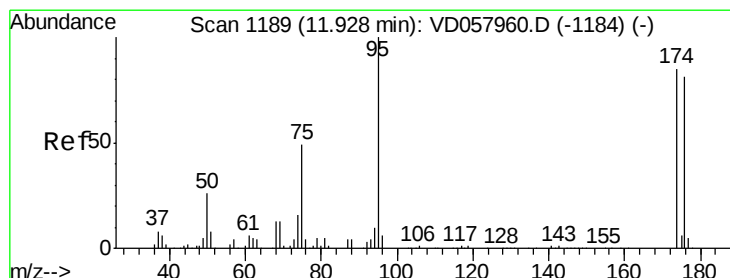
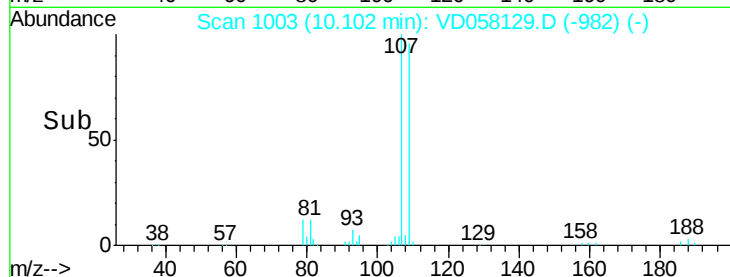
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.965 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

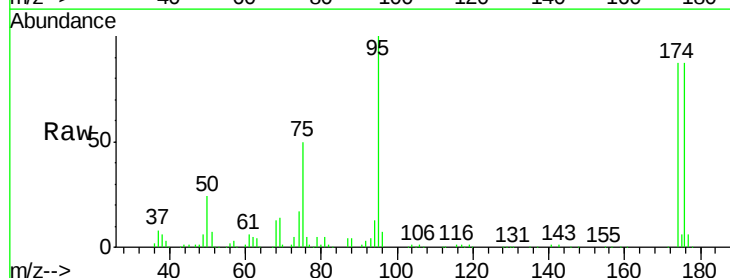
Tgt Ion: 95 Resp: 410594

Ion Ratio Lower Upper

95 100

174 87.5 0.0 169.4

176 86.9 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

400000

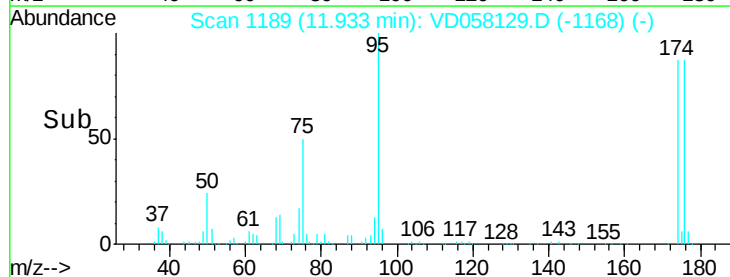
300000

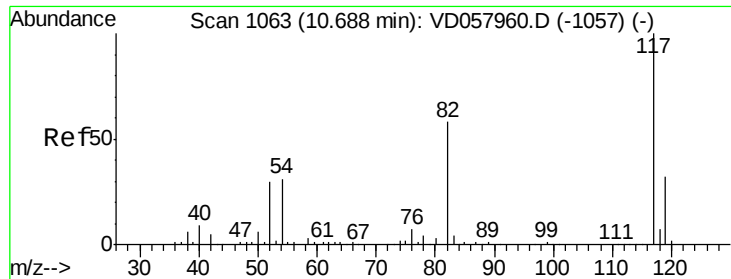
200000

100000

0

Time-->

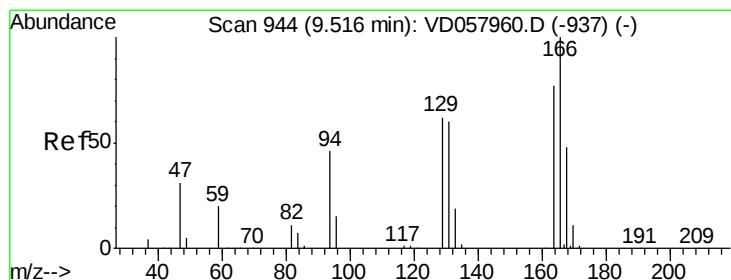
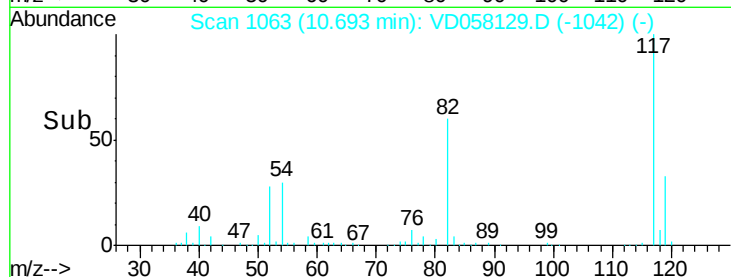
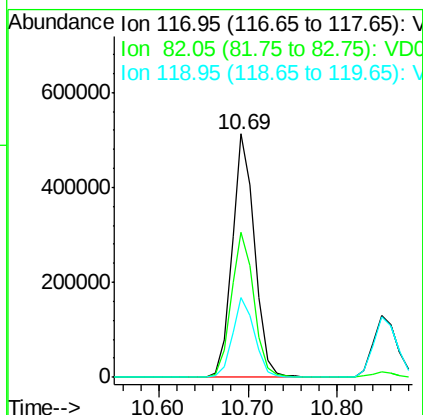
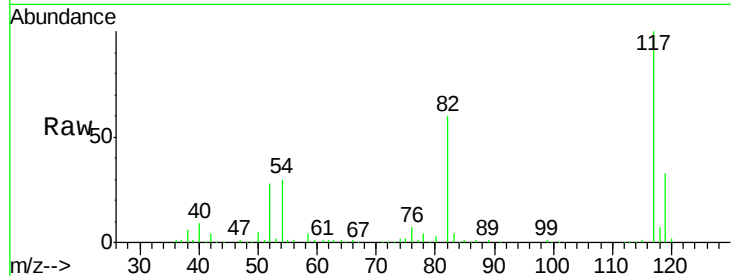




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

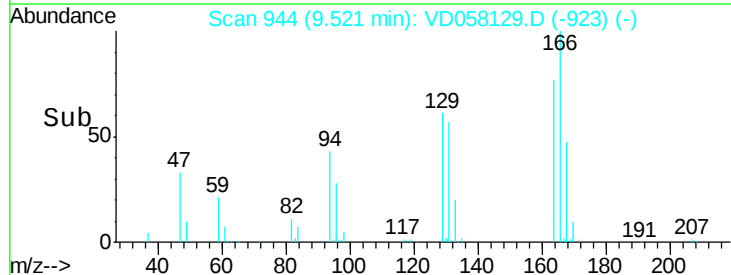
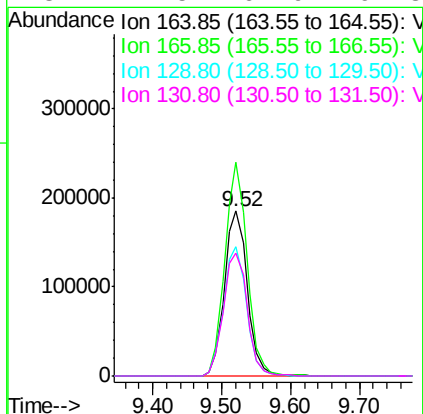
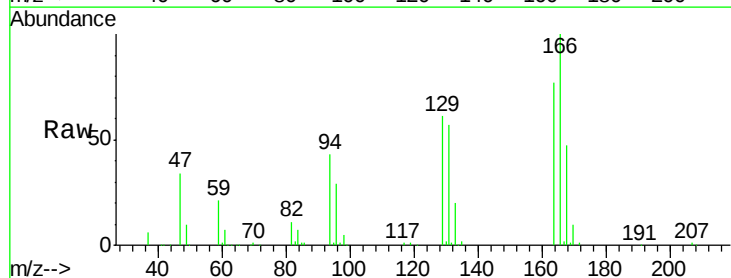
Instrument :
MSVOA_D
ClientSampleId :

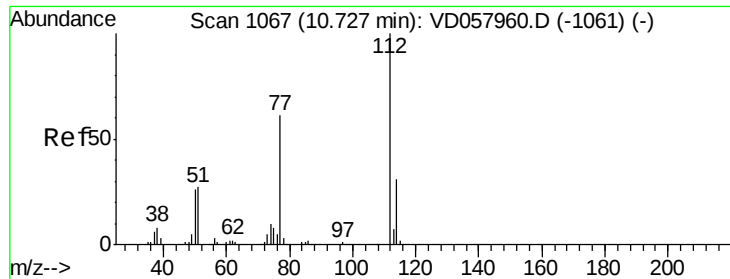
Tot Ion:117 Resp: 905890
Ion Ratio Lower Upper
117 100
82 59.8 46.8 70.2
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 52.629 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion:164 Resp: 426225
Ion Ratio Lower Upper
164 100
166 129.7 104.4 156.6
129 78.6 65.0 97.6
131 74.5 62.9 94.3

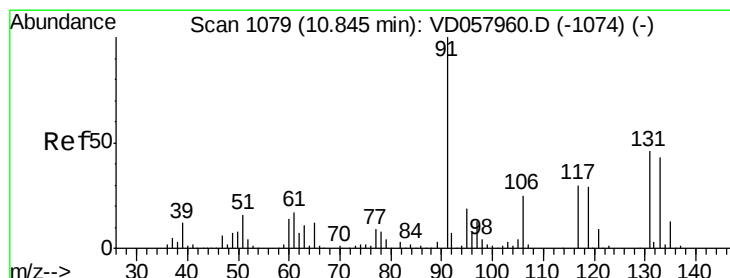
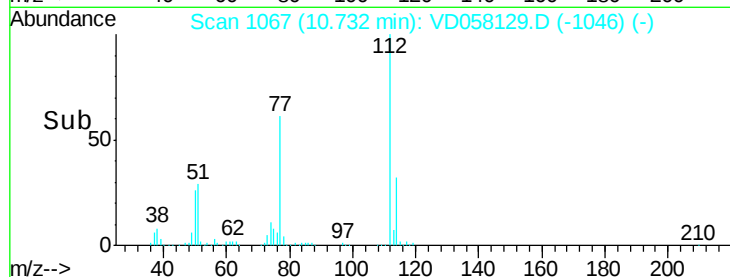
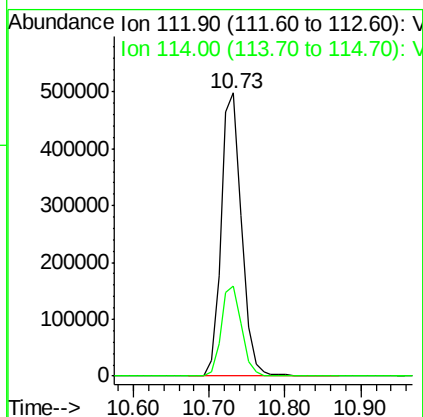
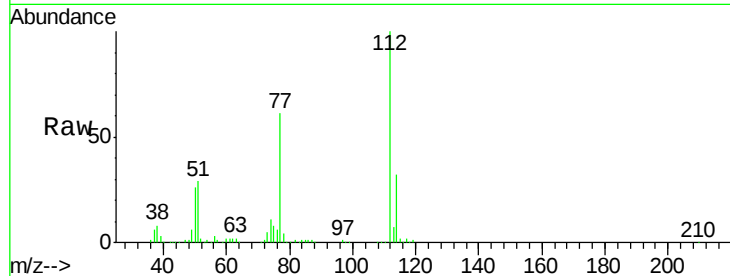




#65
Chlorobenzene
Concen: 50.983 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

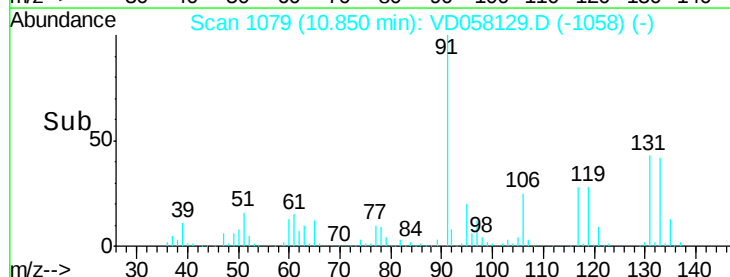
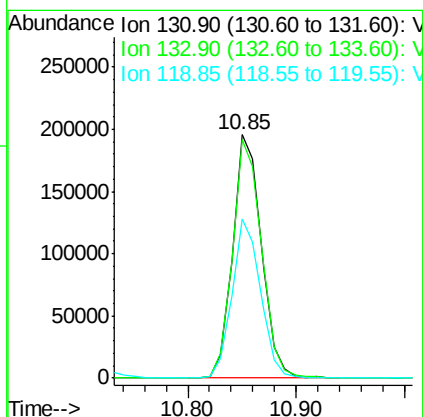
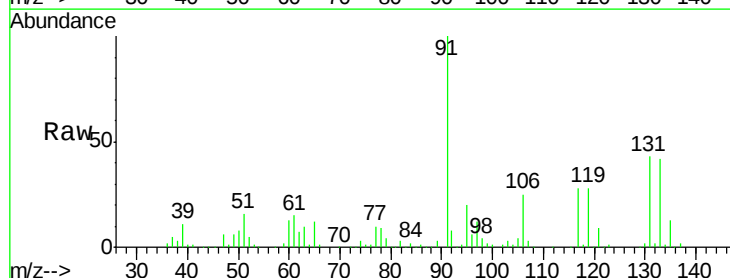
Instrument :
MSVOA_D
ClientSampleId :

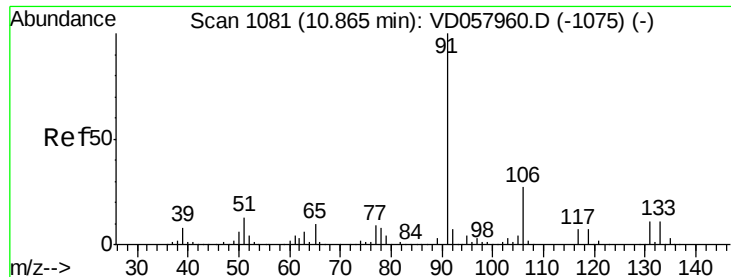
Tot Ion:112 Resp: 934985
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.050 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion:131 Resp: 359693
Ion Ratio Lower Upper
131 100
133 98.1 46.9 140.6
119 65.5 31.8 95.3

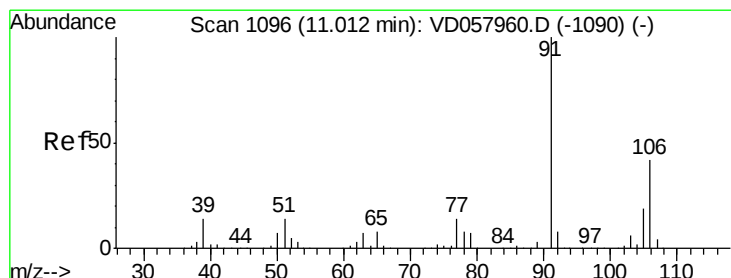
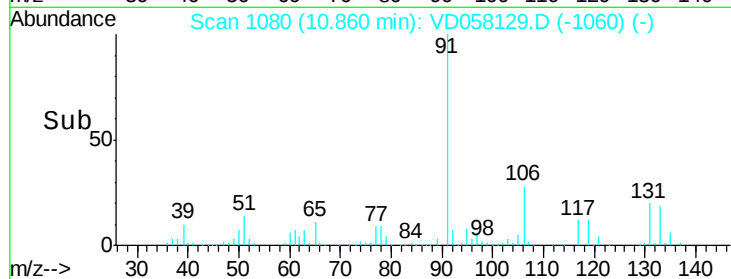
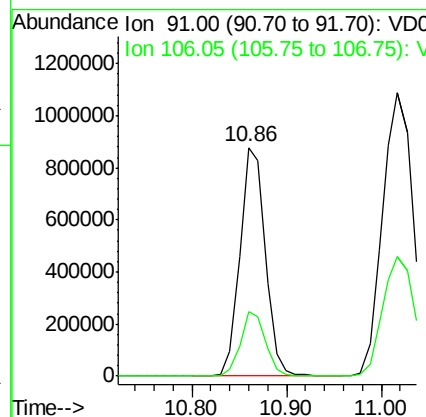
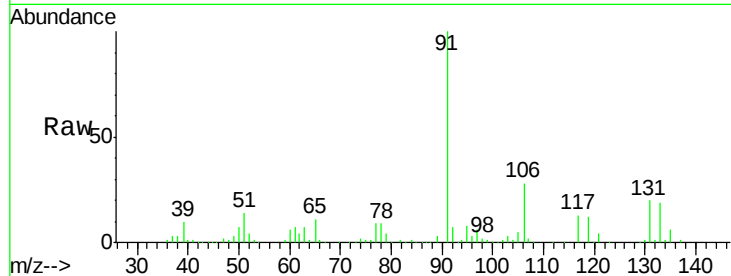




#67
Ethyl Benzene
Concen: 49.130 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

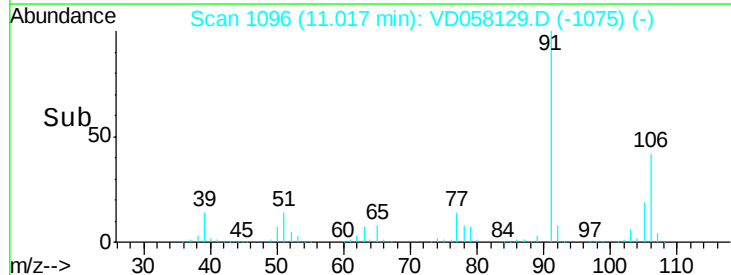
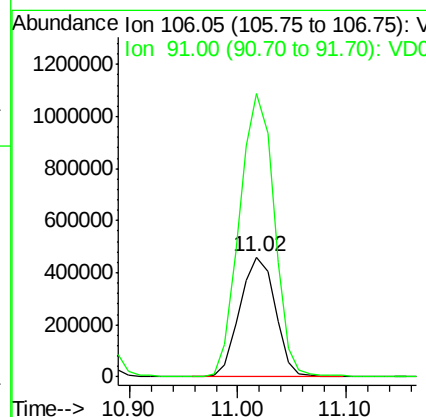
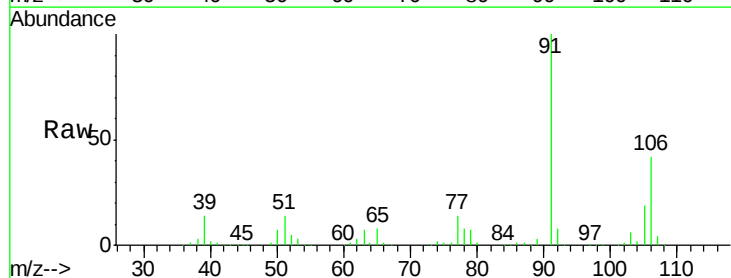
Instrument :
MSVOA_D
ClientSampled :

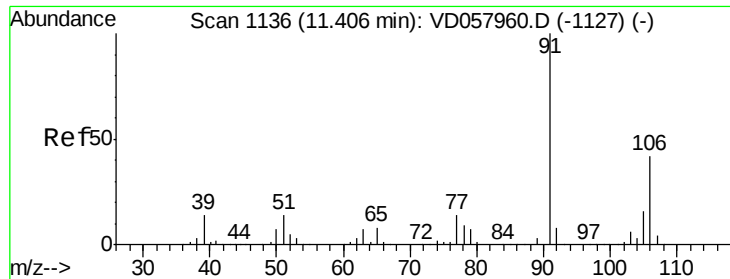
Tot Ion: 91 Resp: 1627777
Ion Ratio Lower Upper
91 100
106 28.1 21.5 32.3



#68
m/p-Xylenes
Concen: 97.202 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion:106 Resp: 1049875
Ion Ratio Lower Upper
106 100
91 236.1 190.4 285.6

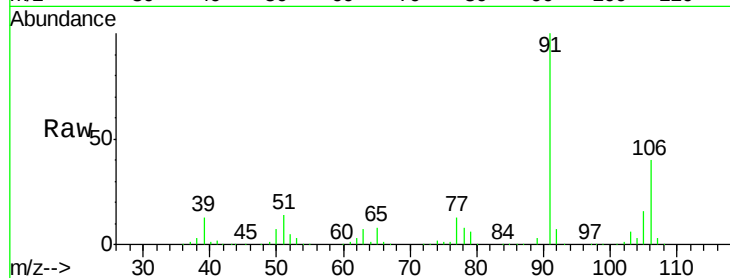




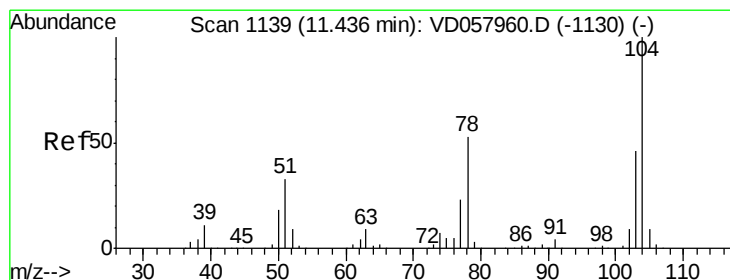
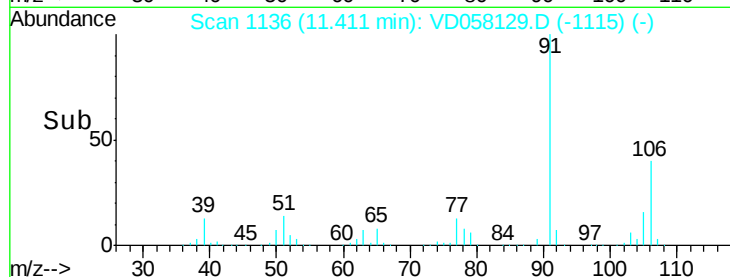
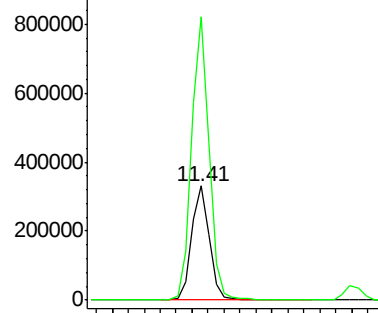
#69
o-Xylene
Concen: 48.818 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 523383
Ion Ratio Lower Upper
106 100
91 247.6 120.6 361.7

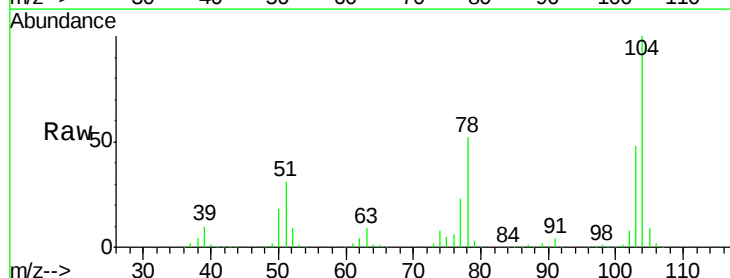


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

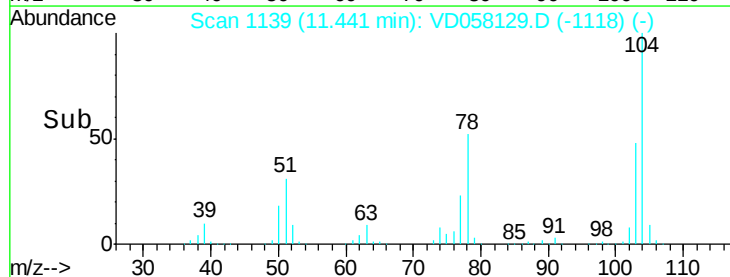
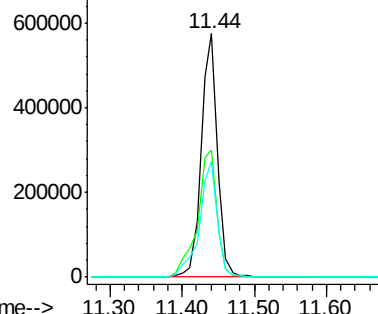


#70
Styrene
Concen: 50.221 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion:104 Resp: 891341
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 47.7 37.0 55.6



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

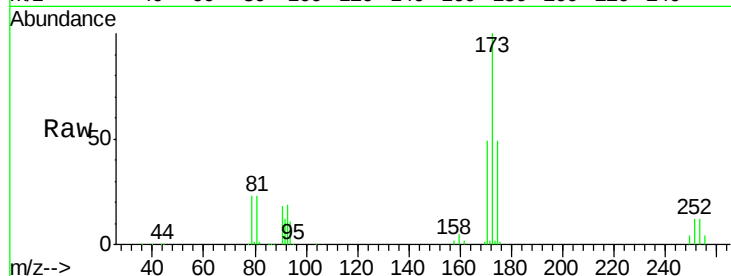




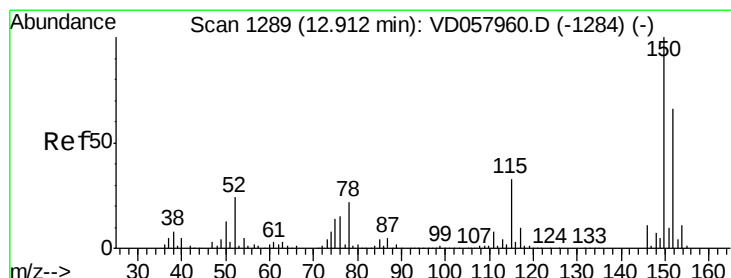
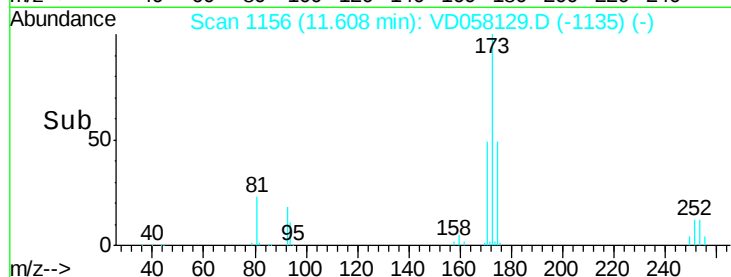
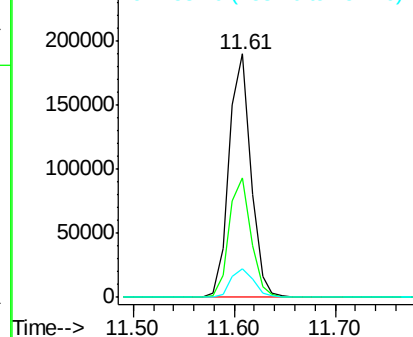
#71
Bromoform
Concen: 53.991 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 286174
Ion Ratio Lower Upper
173 100
175 49.1 25.1 75.2
254 11.9 10.7 16.1

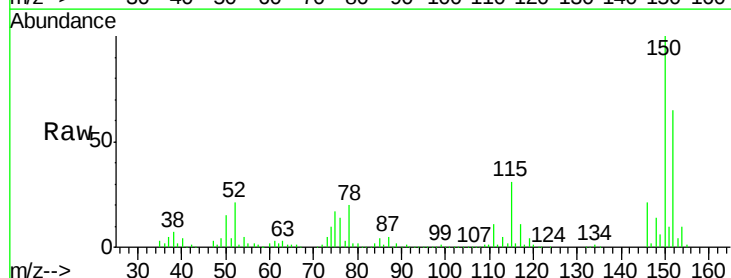


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

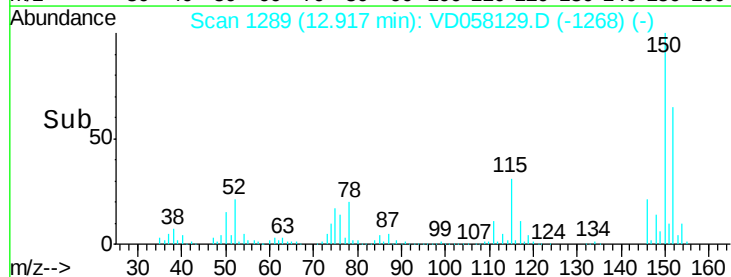
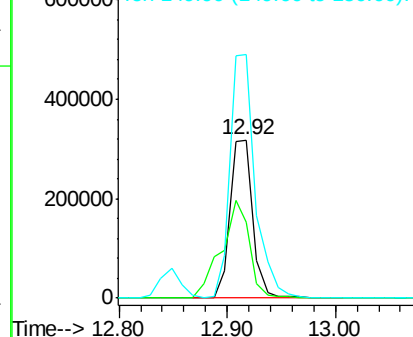


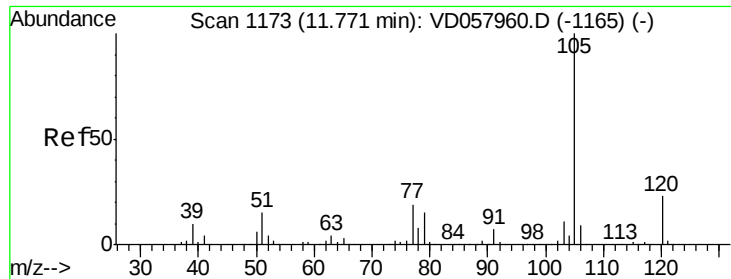
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion:152 Resp: 466004
Ion Ratio Lower Upper
152 100
115 48.1 25.6 76.6
150 153.9 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

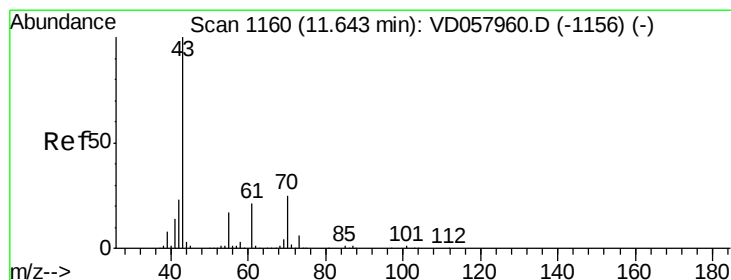
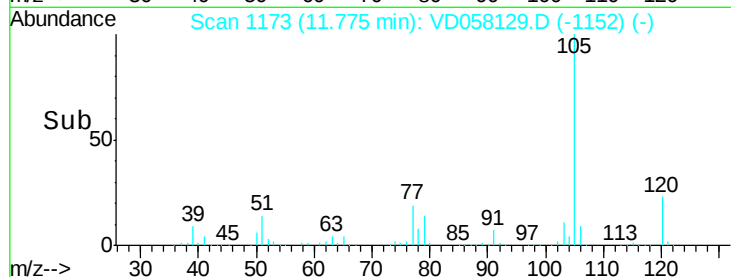
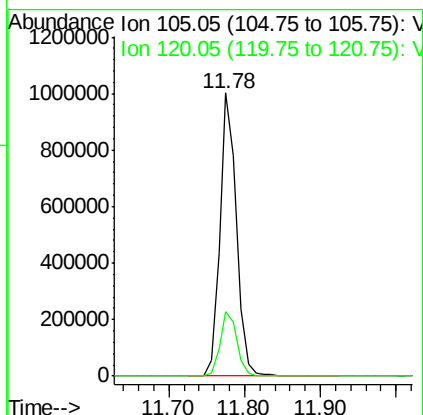
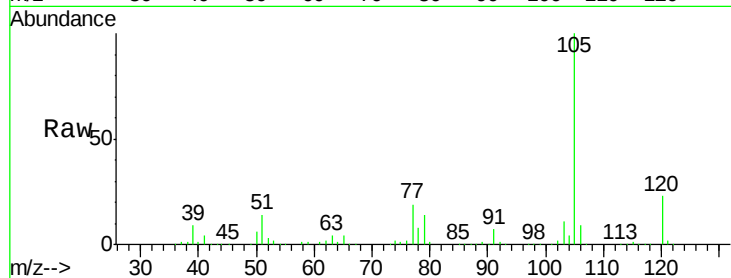




#73
Isopropylbenzene
Concen: 49.703 ug/l
RT: 11.78 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

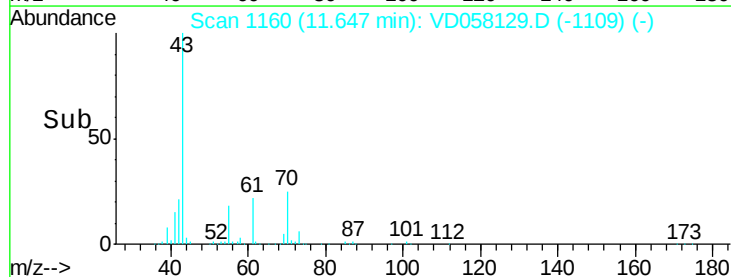
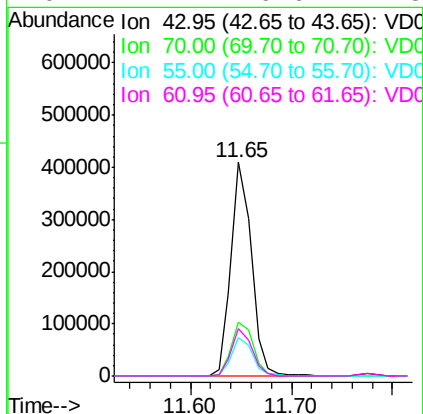
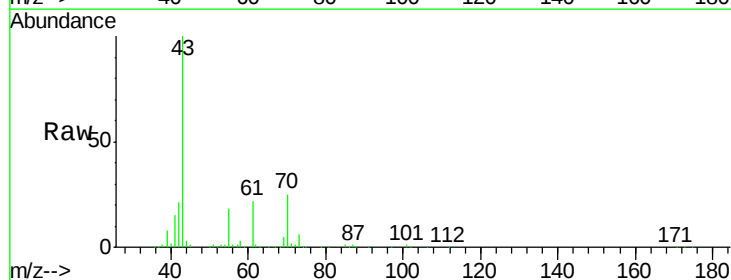
Instrument :
MSVOA_D
ClientSampleId :

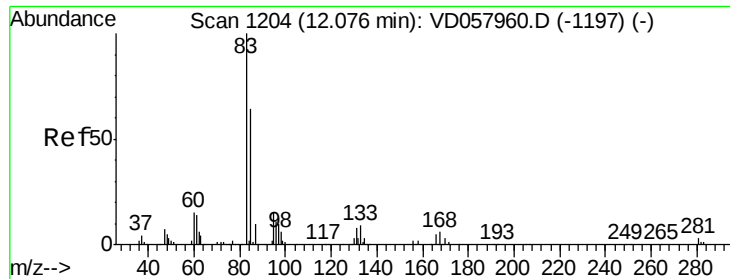
Tot Ion:105 Resp: 1534122
Ion Ratio Lower Upper
105 100
120 22.6 11.3 33.9



#74
N-ethyl acetate
Concen: 48.461 ug/l
RT: 11.65 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 43 Resp: 577181
Ion Ratio Lower Upper
43 100
70 25.1 20.3 30.5
55 18.0 13.9 20.9
61 22.4 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.052 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

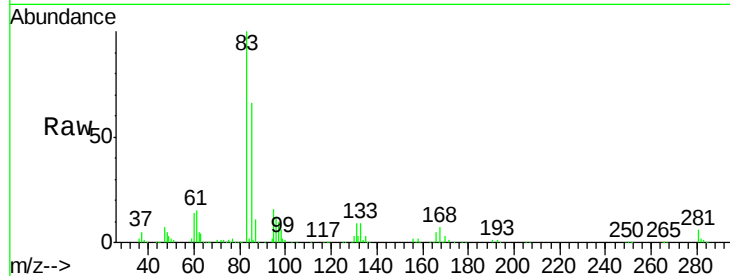
Tot Ion: 83 Resp: 343556

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.2	12.6
85	65.6	31.9	95.5

83 100

131 9.1 4.2 12.6

85 65.6 31.9 95.5



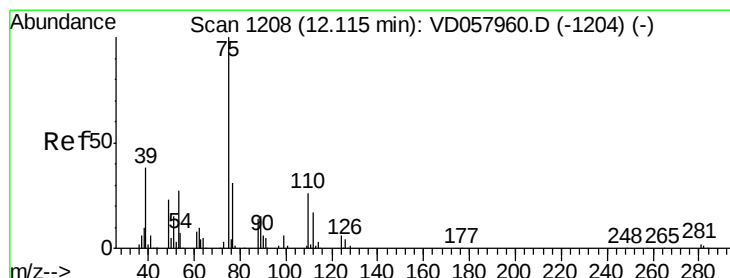
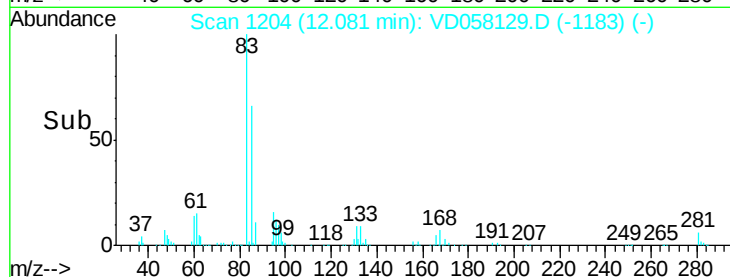
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.08

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.336 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058129.D

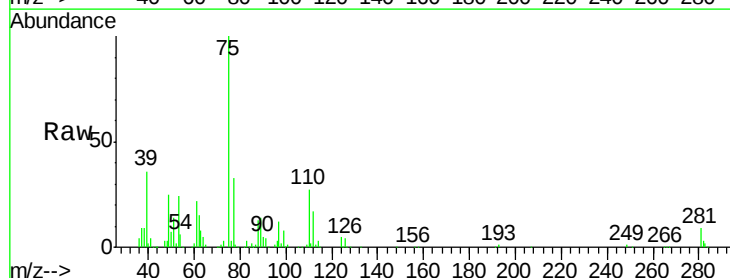
Acq: 14 Jun 2018 11:49

Tgt Ion: 75 Resp: 380354

Ion	Ratio	Lower	Upper
75	100		
77	32.6	16.7	50.1

75 100

77 32.6 16.7 50.1

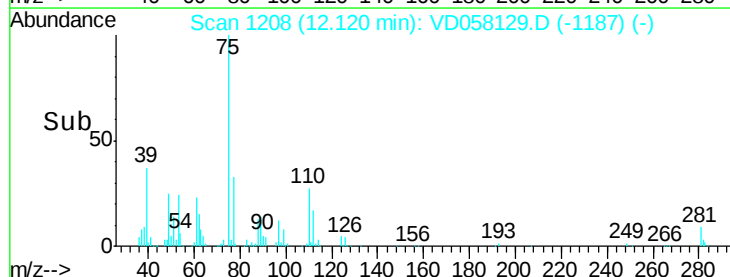


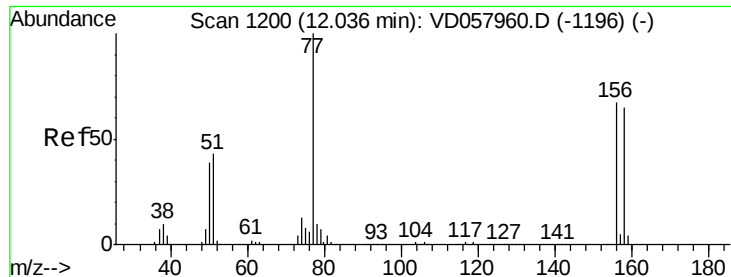
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.12

Time-->





#77

Bromobenzene

Concen: 49.943 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

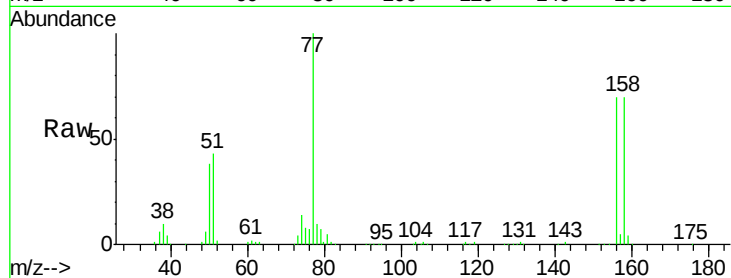
Tot Ion:156 Resp: 456299

Ion Ratio Lower Upper

156 100

77 143.9 75.0 224.8

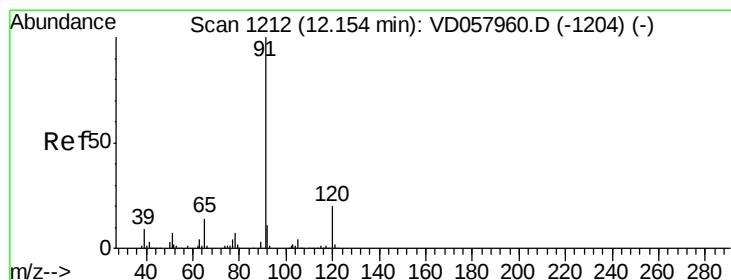
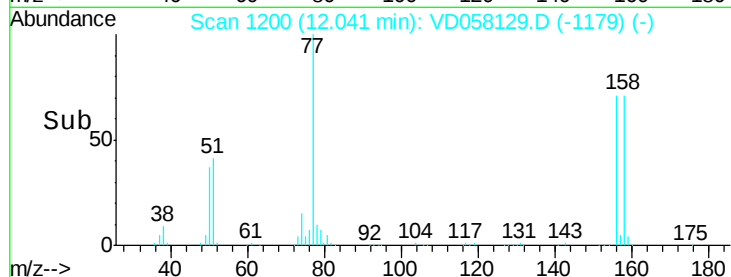
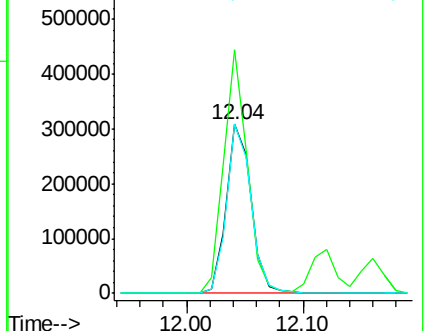
158 100.2 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.890 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058129.D

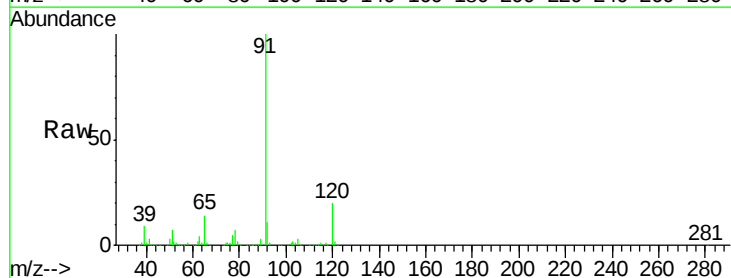
Acq: 14 Jun 2018 11:49

Tgt Ion: 91 Resp: 1963646

Ion Ratio Lower Upper

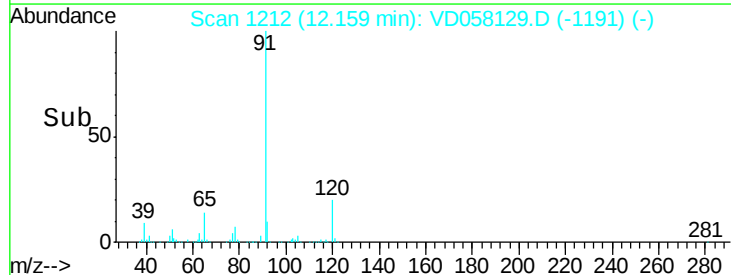
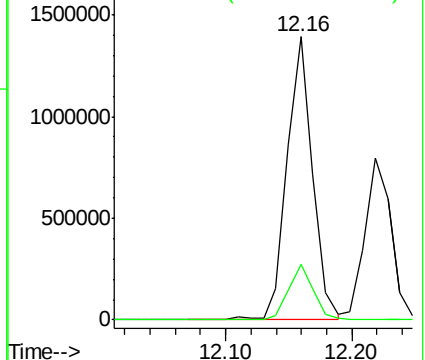
91 100

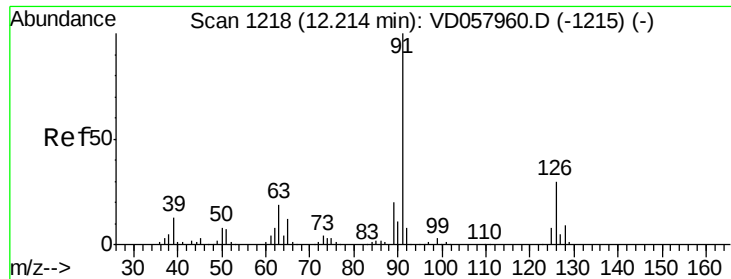
120 19.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

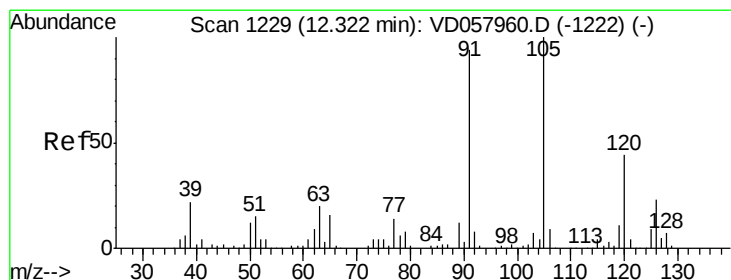
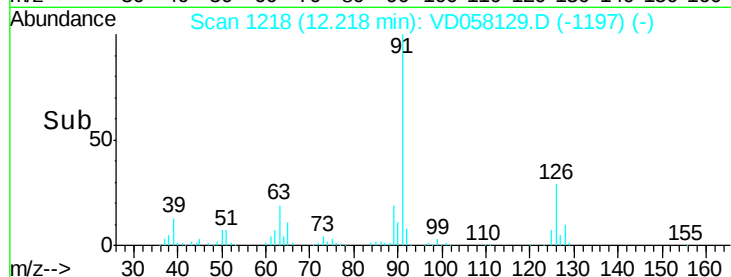
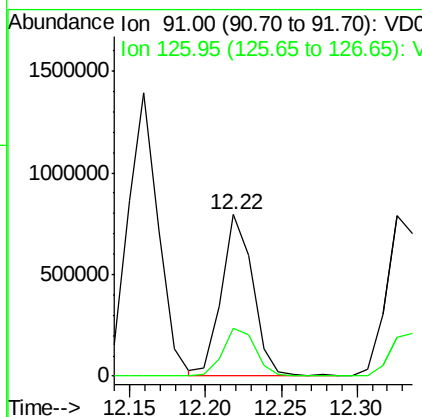
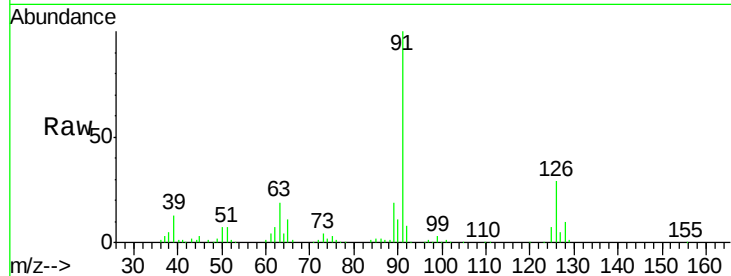




#79
 2-Chlorotoluene
 Concen: 49.632 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

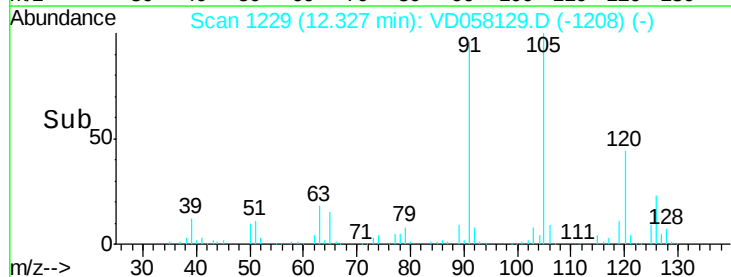
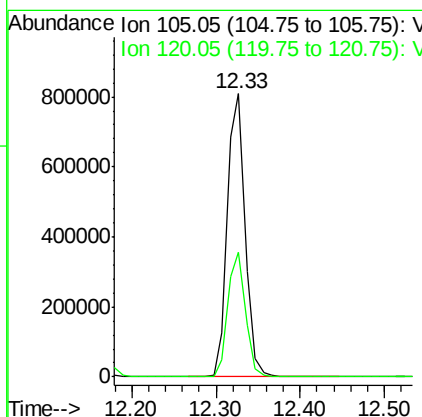
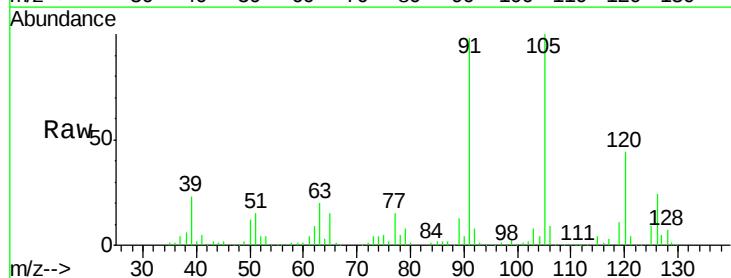
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 1137225
 Ion Ratio Lower Upper
 91 100
 126 29.4 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 49.101 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion: 105 Resp: 1181906
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.149 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

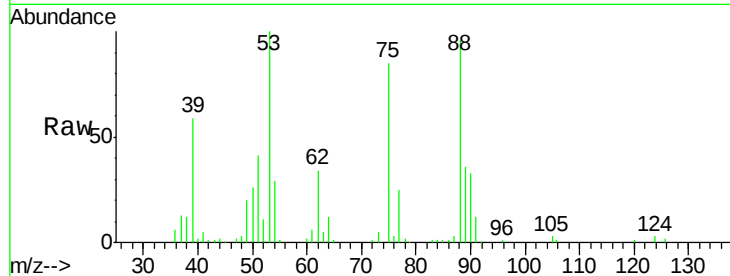
Tot Ion: 75 Resp: 95618

Ion Ratio Lower Upper

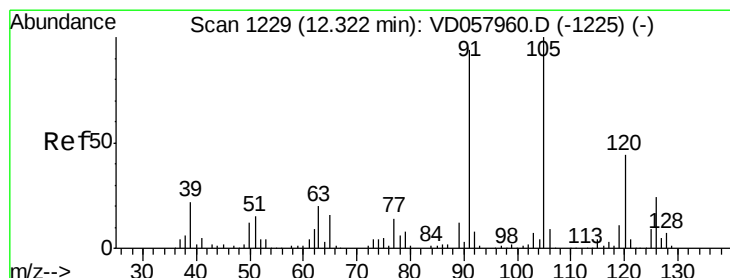
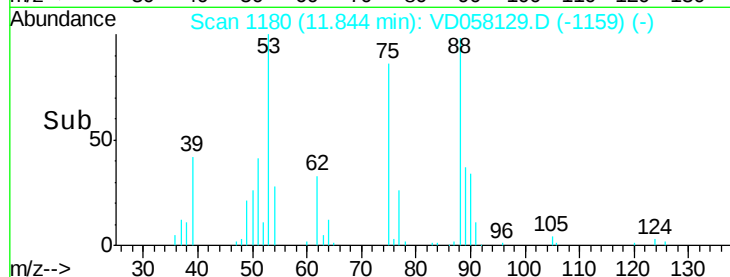
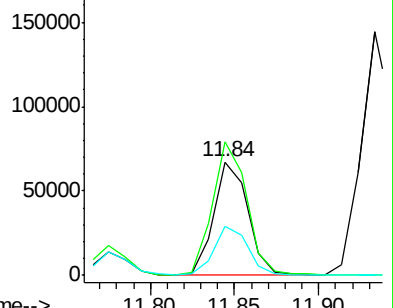
75 100

53 118.3 89.3 133.9

89 43.1 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 54.896 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD058129.D

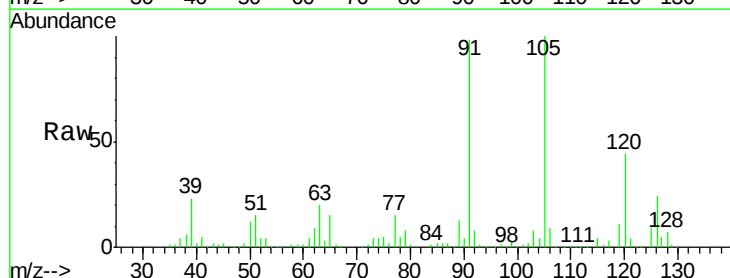
Acq: 14 Jun 2018 11:49

Tgt Ion: 91 Resp: 1216346

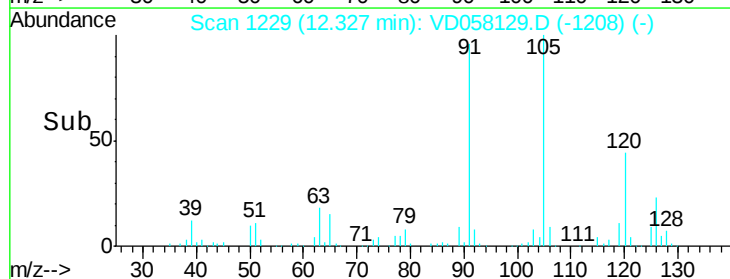
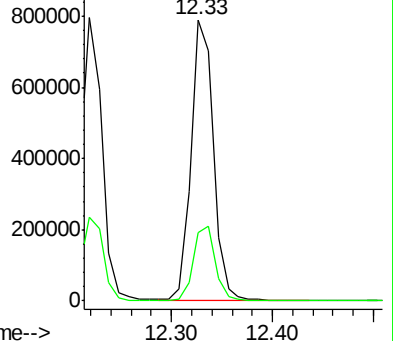
Ion Ratio Lower Upper

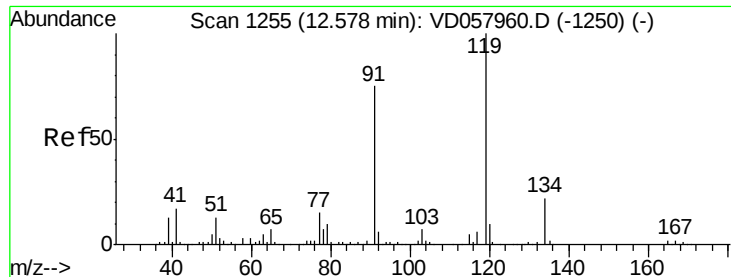
91 100

126 24.4 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

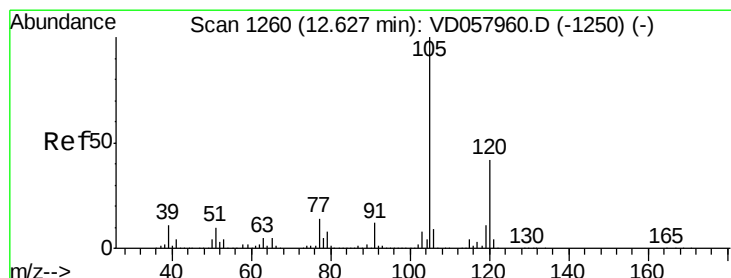
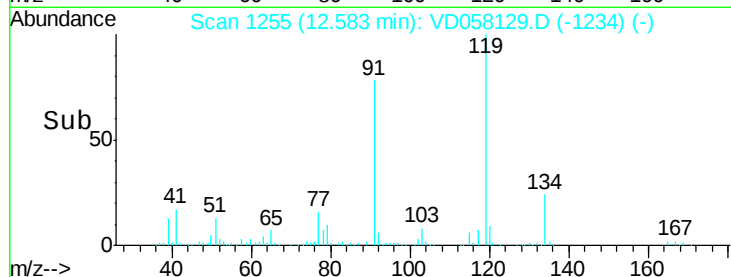
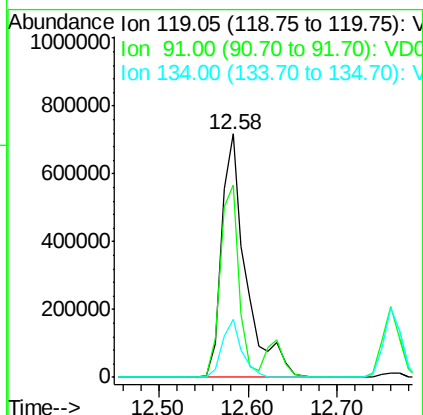
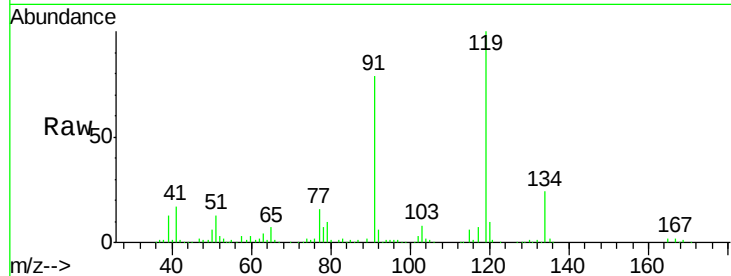




#83
tert-Butylbenzene
Concen: 50.619 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

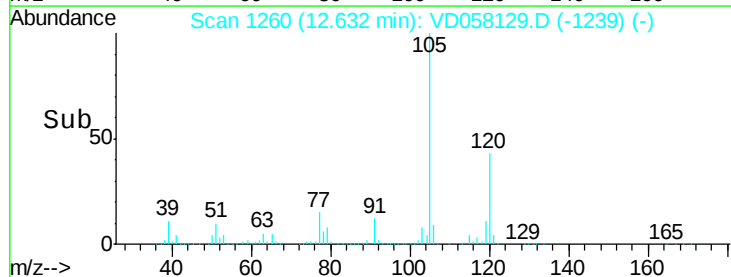
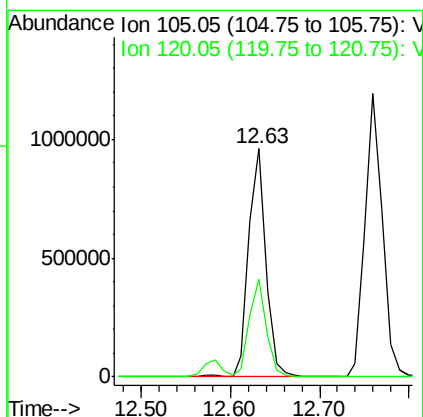
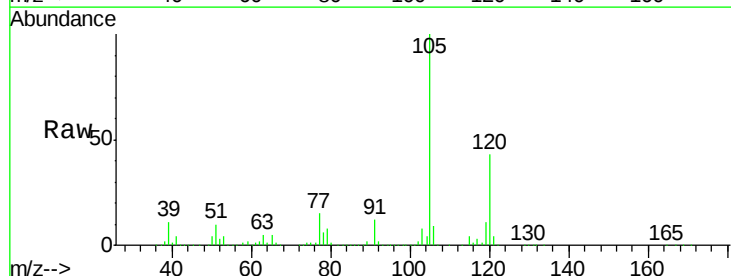
Instrument :
MSVOA_D
ClientSampleId :

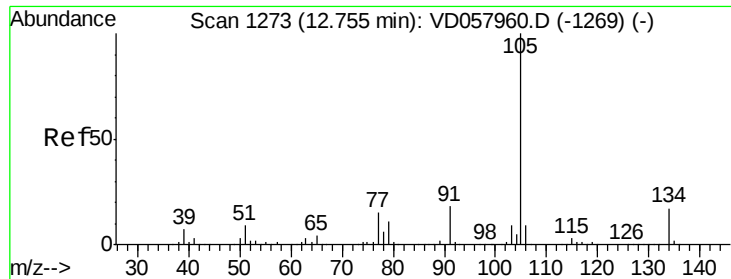
Tot Ion:119 Resp: 1375820
Ion Ratio Lower Upper
119 100
91 79.1 37.6 112.9
134 23.6 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 49.701 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion:105 Resp: 1286335
Ion Ratio Lower Upper
105 100
120 43.0 21.2 63.6





#85

sec-Butylbenzene

Concen: 48.726 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

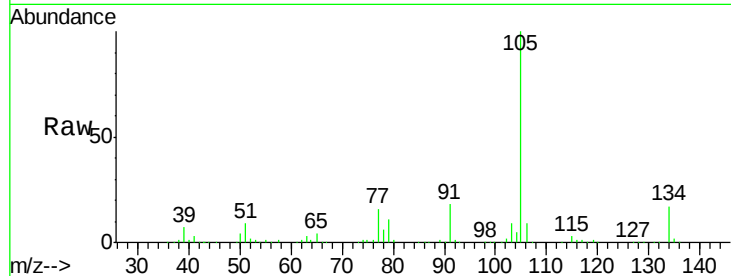
ClientSampleId :

Tot Ion:105 Resp: 1598312

Ion Ratio Lower Upper

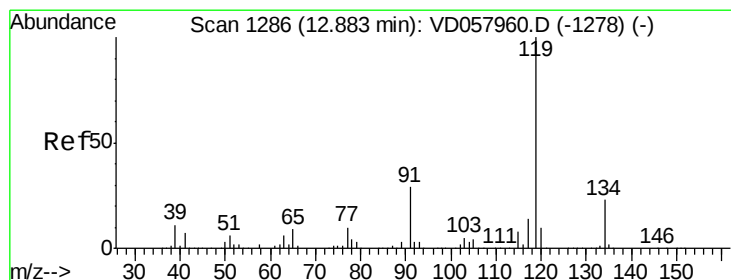
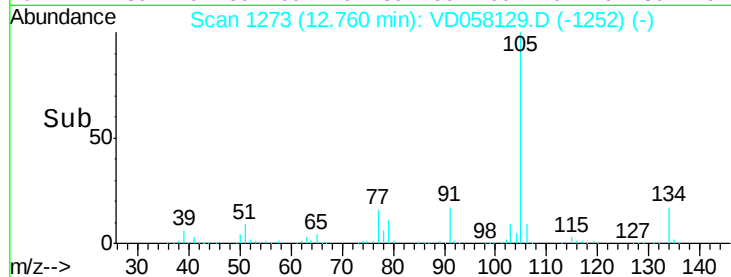
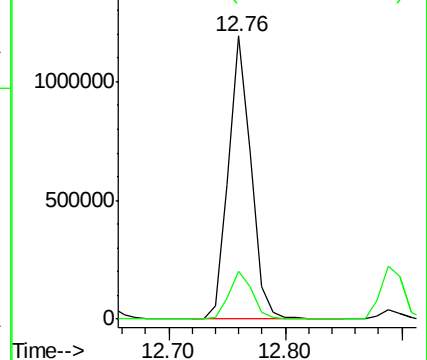
105 100

134 17.1 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.382 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

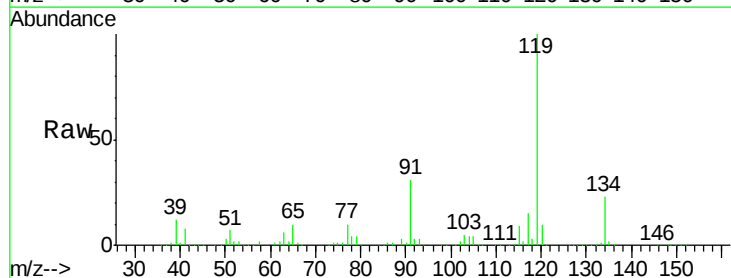
Tgt Ion:119 Resp: 1305558

Ion Ratio Lower Upper

119 100

134 22.8 11.5 34.4

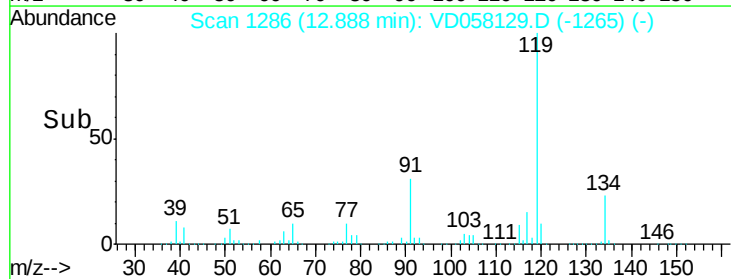
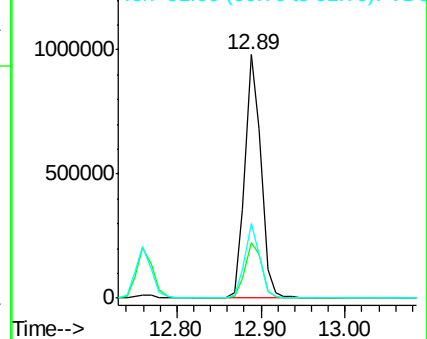
91 30.8 14.5 43.6

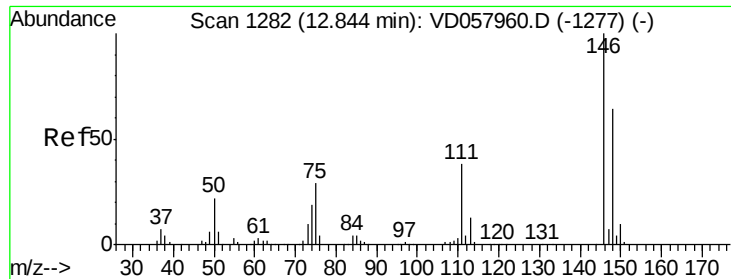


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

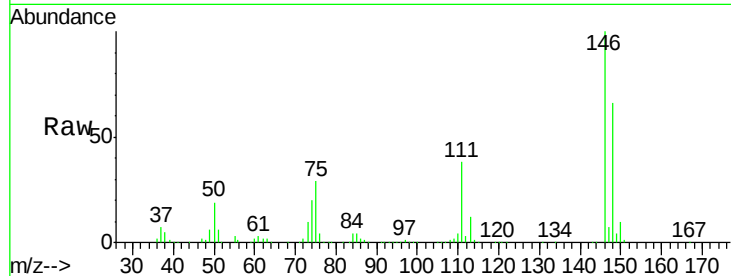




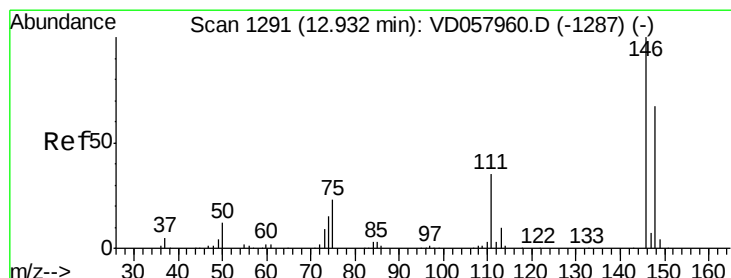
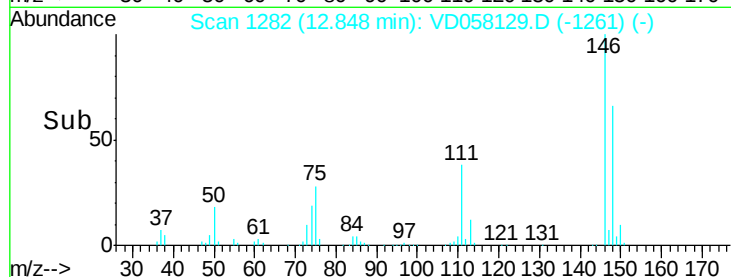
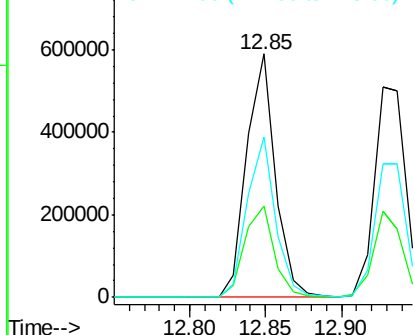
#87
 1,3-Dichlorobenzene
 Concen: 50.602 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 782049
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.3
 148 65.7 32.0 96.2

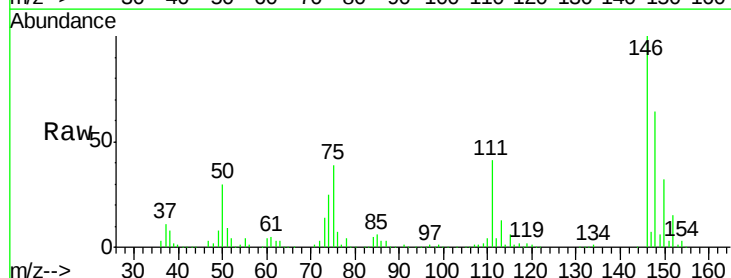


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

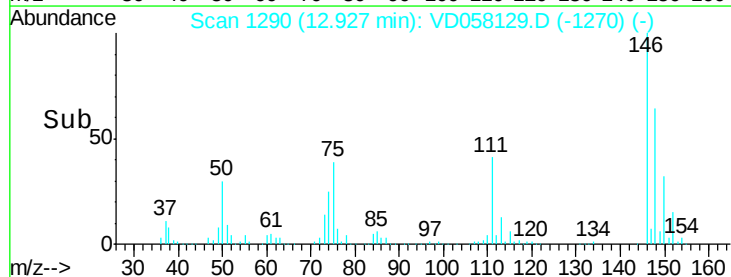
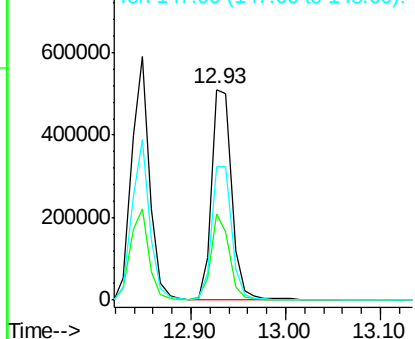


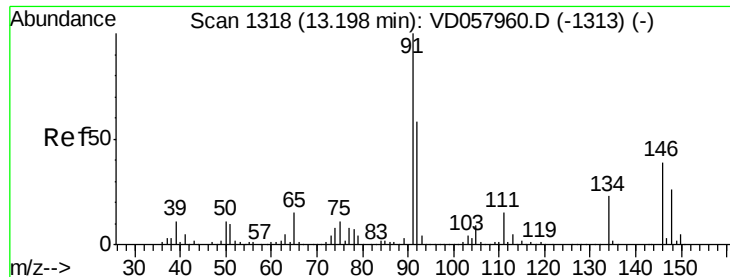
#88
 1,4-Dichlorobenzene
 Concen: 50.452 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion:146 Resp: 759709
 Ion Ratio Lower Upper
 146 100
 111 40.7 17.3 52.0
 148 63.5 33.4 100.2



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

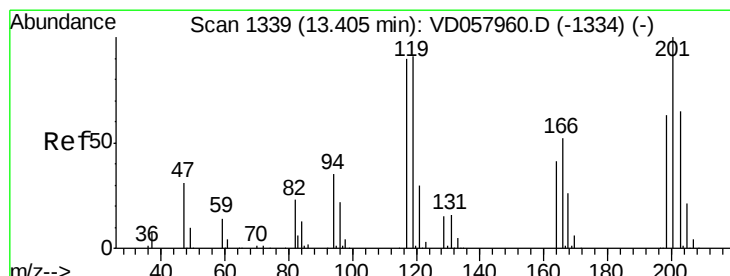
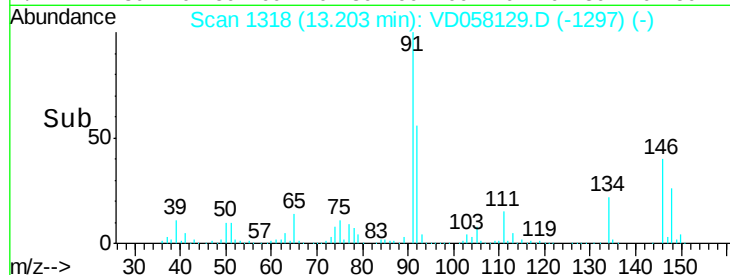
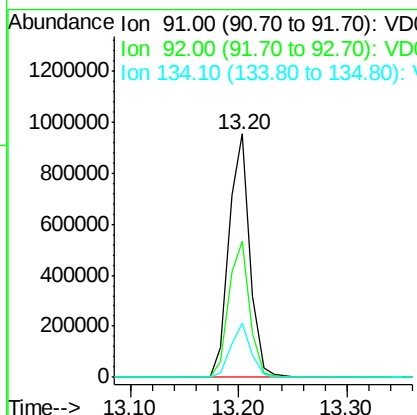
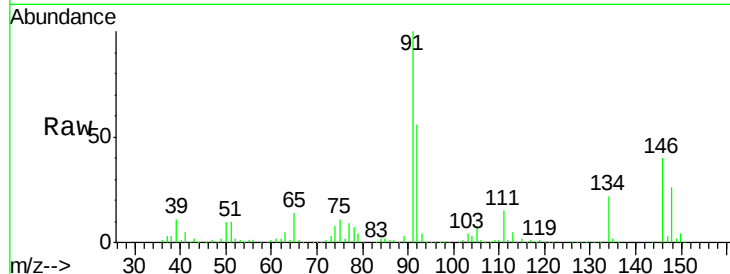




#89
n-Butylbenzene
Concen: 54.208 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

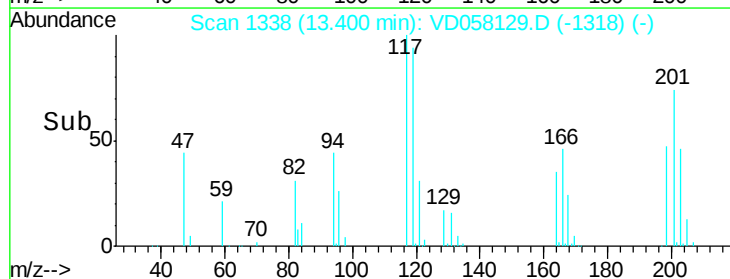
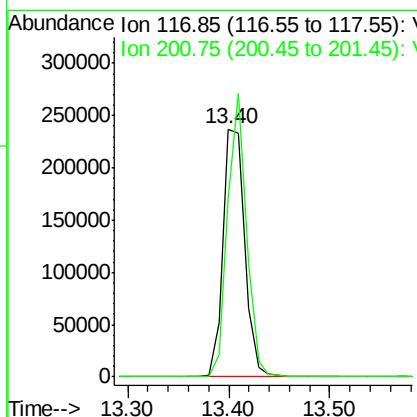
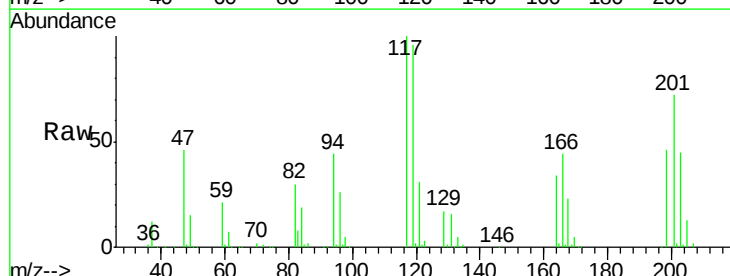
Instrument :
MSVOA_D
ClientSampleId :

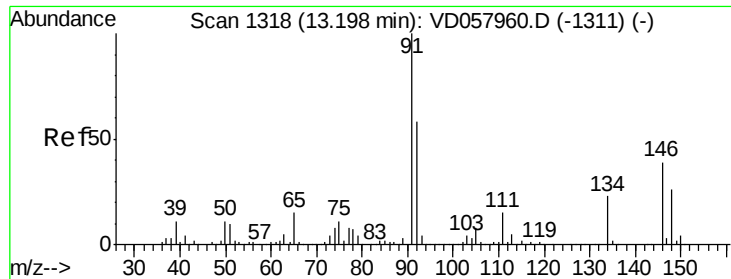
Tot Ion: 91 Resp: 1282211
Ion Ratio Lower Upper
91 100
92 55.9 29.2 87.6
134 22.0 11.3 33.9



#90
Hexachloroethane
Concen: 52.981 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 117 Resp: 357510
Ion Ratio Lower Upper
117 100
201 71.9 55.4 166.0

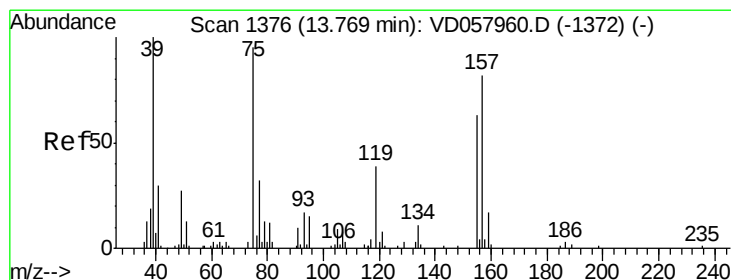
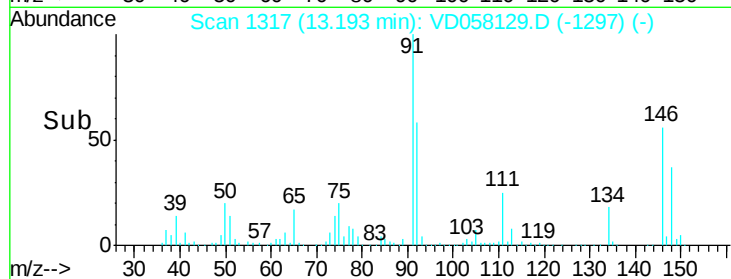
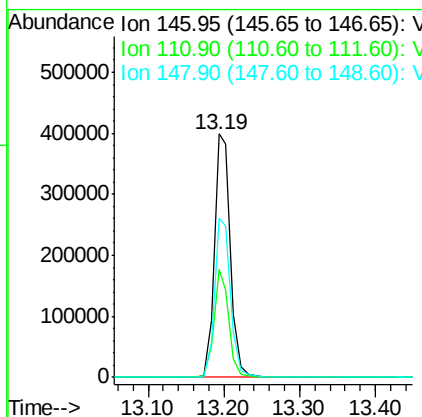
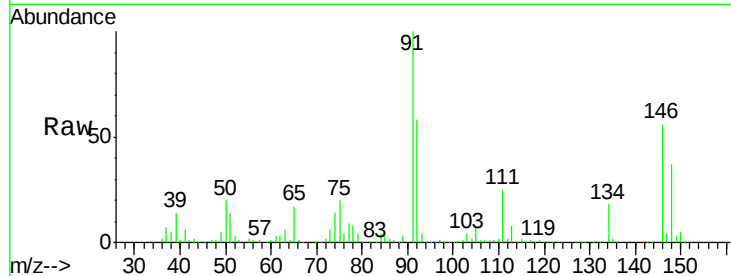




#91
 1,2-Dichlorobenzene
 Concen: 47.784 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

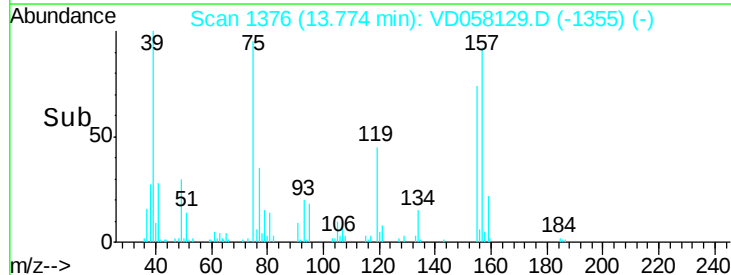
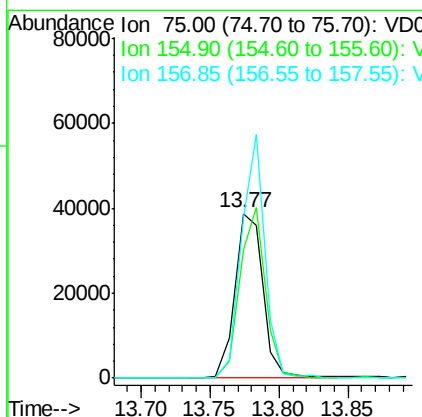
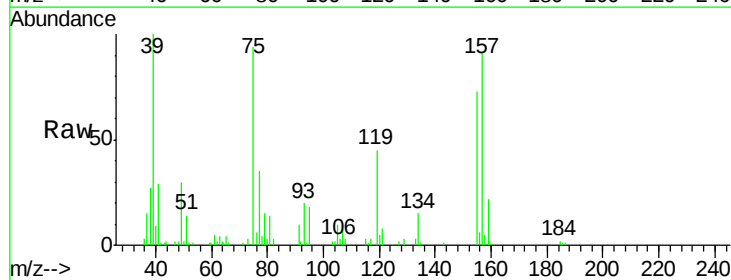
Instrument :
 MSVOA_D
 ClientSampleId :

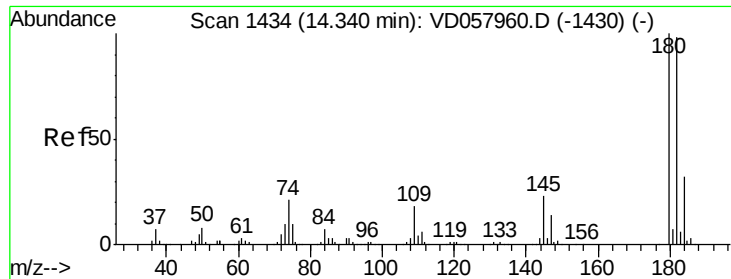
Tot Ion:146 Resp: 596810
 Ion Ratio Lower Upper
 146 100
 111 44.3 19.4 58.2
 148 65.4 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.353 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion: 75 Resp: 55412
 Ion Ratio Lower Upper
 75 100
 155 78.2 33.4 100.1
 157 97.4 42.9 128.5

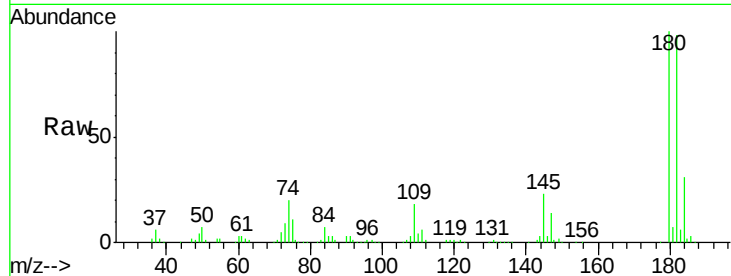




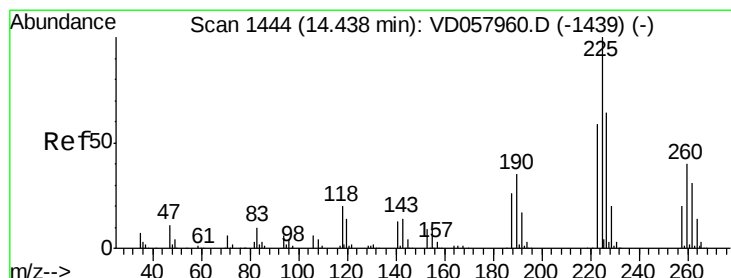
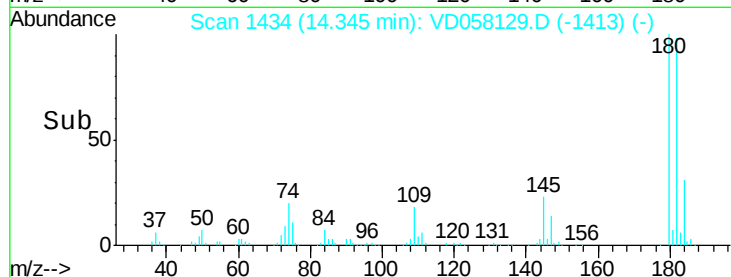
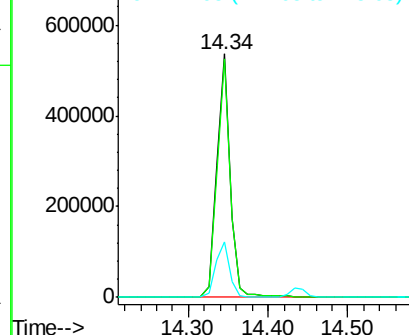
#93
 1,2,4-Trichlorobenzene
 Concen: 54.681 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 638048
 Ion Ratio Lower Upper
 180 100
 182 97.8 49.0 147.2
 145 22.7 11.8 35.3

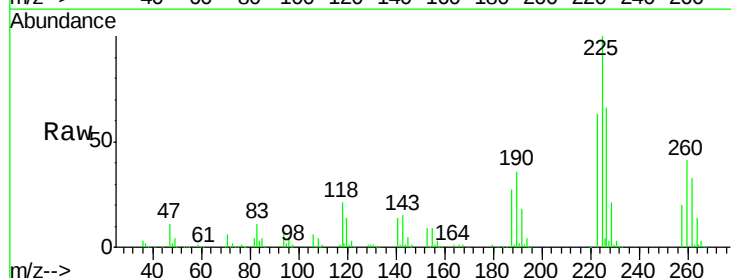


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

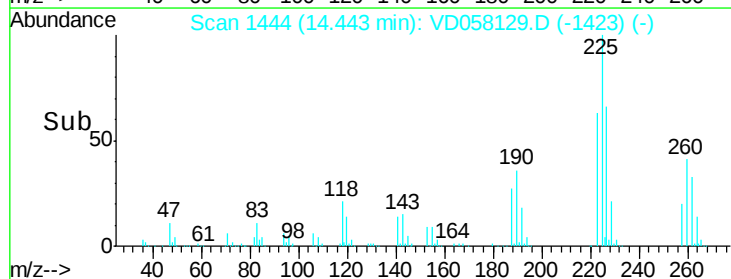
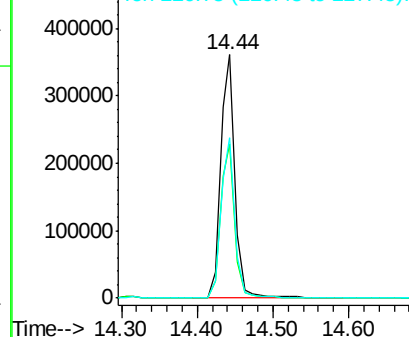


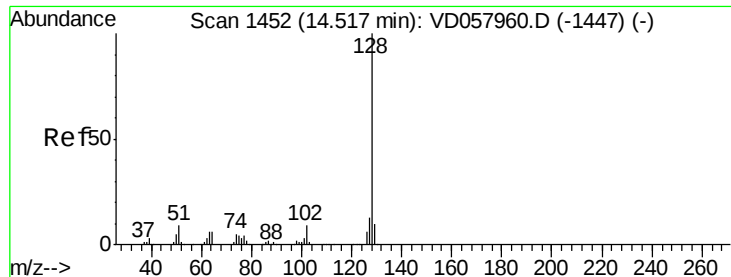
#94
 Hexachlorobutadiene
 Concen: 52.598 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion:225 Resp: 482754
 Ion Ratio Lower Upper
 225 100
 223 63.2 29.5 88.6
 227 65.8 32.0 96.0



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





#95

Naphthalene

Concen: 53.434 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

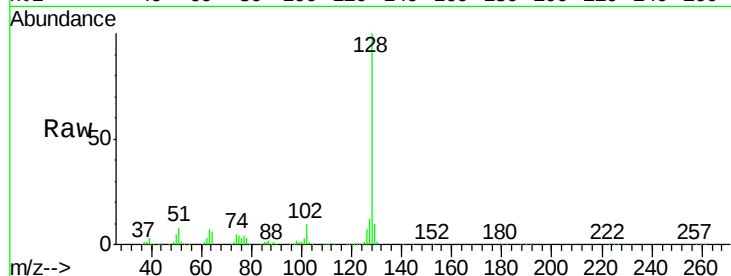
Tot Ion:128 Resp: 803901

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

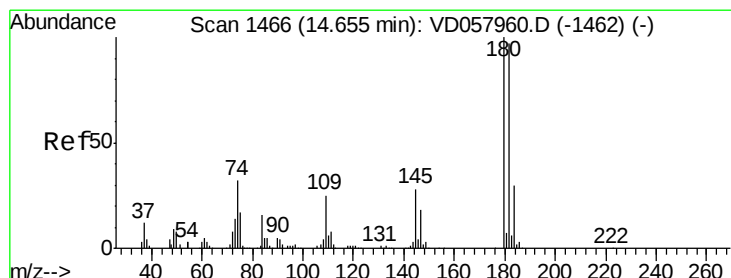
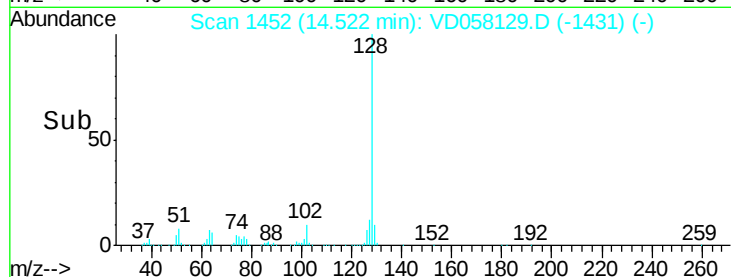
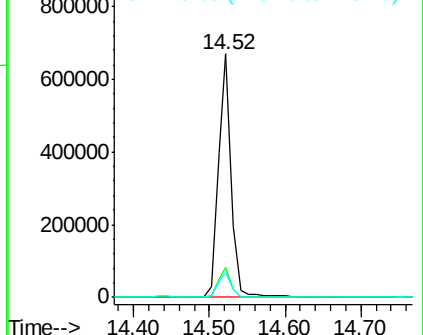
129 10.4 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.355 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

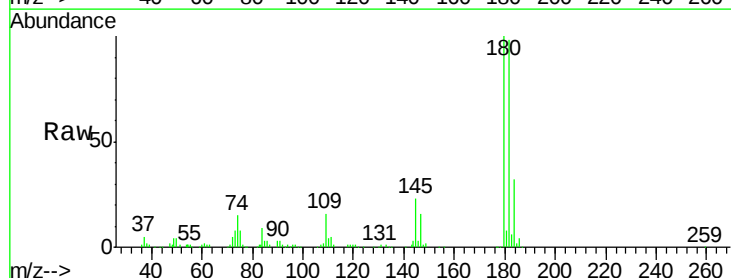
Tgt Ion:180 Resp: 540516

Ion Ratio Lower Upper

180 100

182 98.2 48.5 145.5

145 23.4 14.2 42.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

