

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058039.D
 Acq On : 9 Jun 2018 3:06
 Operator : VA/AP
 Sample : VD0608SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 03:52:18 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	5.63	168	820988	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1098398	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	889679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	466740	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	426827	52.00	ug/l	-0.02
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	5.53	113	432356	50.88	ug/l	-0.03
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	8.69	98	985154	48.76	ug/l	-0.02
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.92	95	432129	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	253705	23.025	ug/l	100
3) Chloromethane	1.47	50	134269	24.742	ug/l	93
4) Vinyl Chloride	1.55	62	118677	22.592	ug/l	93
5) Bromomethane	1.79	94	40971	19.901	ug/l	87
6) Chloroethane	1.87	64	43122	20.807	ug/l #	86
7) Trichlorofluoromethane	2.08	101	158230	22.036	ug/l	98
8) Diethyl Ether	2.33	74	30519	22.879	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	98238	22.937	ug/l	96
10) Methyl Iodide	2.69	142	112475	20.352	ug/l #	92
11) Tert butyl alcohol	3.26	59	23783	108.165	ug/l #	82
12) 1,1-Dichloroethene	2.54	96	74402	22.596	ug/l	93
13) Acrolein	2.46	56	31936	101.418	ug/l	94
14) Allyl chloride	2.91	41	167676	22.075	ug/l	97
15) Acrylonitrile	3.36	53	130989	101.833	ug/l	95
16) Acetone	2.60	43	103958	87.912	ug/l	99
17) Carbon Disulfide	2.74	76	260405	21.831	ug/l	99
18) Methyl Acetate	2.92	43	54623	23.878	ug/l	100
19) Methyl tert-butyl Ether	3.39	73	333410	23.012	ug/l	99
20) Methylene Chloride	3.06	84	85672	25.586	ug/l	94
21) trans-1,2-Dichloroethene	3.37	96	162758	22.192	ug/l	95
22) Diisopropyl ether	4.05	45	678690	22.554	ug/l	99
23) Vinyl Acetate	4.00	43	1714446	110.270	ug/l	100
24) 1,1-Dichloroethane	3.96	63	381676	23.079	ug/l	99
25) 2-Butanone	4.82	43	289512	107.728	ug/l	95
26) 2,2-Dichloropropane	4.78	77	265366	19.479	ug/l	94
27) cis-1,2-Dichloroethene	4.79	96	200508	23.052	ug/l	96
28) Bromochloromethane	5.14	49	170312	23.794	ug/l	92
29) Tetrahydrofuran	5.18	42	168787	119.811	ug/l	98
30) Chloroform	5.31	83	378281	22.728	ug/l	99
31) Cyclohexane	5.58	56	313548	21.969	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	309513	22.209	ug/l	94
36) 1,1-Dichloropropene	5.73	75	274382	22.674	ug/l	97
37) Ethyl Acetate	4.91	43	140479	21.275	ug/l #	92
38) Carbon Tetrachloride	5.71	117	262742	22.030	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.27	83	266578	22.222	ug/l	92
40) Benzene	6.00	78	651798	23.056	ug/l	98
41) Methacrylonitrile	5.12	41	70651	23.400	ug/l #	93
42) 1,2-Dichloroethane	6.11	62	251526	22.006	ug/l	97
43) Isopropyl Acetate	7.61	43	195944	22.655	ug/l #	97
44) Trichloroethene	6.97	130	184595	22.355	ug/l	99
45) 1,2-Dichloropropane	7.33	63	173612	22.096	ug/l	100
46) Dibromomethane	7.45	93	115455	22.874	ug/l	95
47) Bromodichloromethane	7.73	83	264289	22.363	ug/l	95
48) Methyl methacrylate	7.49	41	114331	21.477	ug/l	94
49) 1,4-Dioxane	7.49	88	17194	389.883	ug/l #	85
51) 4-Methyl-2-Pentanone	8.58	43	636092	114.661	ug/l	100
52) Toluene	8.79	92	353372	21.780	ug/l	91
53) t-1,3-Dichloropropene	9.17	75	221328	21.738	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	262804	21.909	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	118776	22.620	ug/l	95
56) Ethyl methacrylate	9.30	69	147220	22.857	ug/l	95
57) 1,3-Dichloropropane	9.66	76	206099	22.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	370720	113.921	ug/l	96
59) 2-Hexanone	9.77	43	455031	111.925	ug/l	99
60) Dibromochloromethane	9.95	129	159129	21.491	ug/l	99
61) 1,2-Dibromoethane	10.09	107	134183	22.221	ug/l	95
64) Tetrachloroethene	9.50	164	187016	23.513	ug/l	94
65) Chlorobenzene	10.72	112	397922	22.093	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	148998	21.532	ug/l	93
67) Ethyl Benzene	10.85	91	746052	22.928	ug/l	99
68) m/p-Xylenes	11.00	106	470168	44.323	ug/l	96
69) o-Xylene	11.40	106	210214	19.965	ug/l	90
70) Styrene	11.43	104	373841	21.447	ug/l	98
71) Bromoform	11.59	173	108509	20.845	ug/l	98
73) Isopropylbenzene	11.76	105	684322	22.136	ug/l	100
74) N-amyl acetate	11.63	43	243979	20.452	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	148233	21.992	ug/l	93
76) 1,2,3-Trichloropropane	12.11	75	156579	22.333	ug/l	99
77) Bromobenzene	12.03	156	195307	21.343	ug/l	96
78) n-propylbenzene	12.15	91	872288	21.684	ug/l	96
79) 2-Chlorotoluene	12.21	91	483086	21.050	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	533998	22.149	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	34704	19.985	ug/l	96
82) 4-Chlorotoluene	12.32	91	570172	23.885	ug/l	94
83) tert-Butylbenzene	12.57	119	590152	21.678	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	568827	21.943	ug/l	98
85) sec-Butylbenzene	12.75	105	703453	21.411	ug/l	99
86) p-Isopropyltoluene	12.87	119	555075	20.962	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	329754	21.303	ug/l	100
88) 1,4-Dichlorobenzene	12.92	146	323516	21.451	ug/l	98
89) n-Butylbenzene	13.19	91	598207	22.677	ug/l	98
90) Hexachloroethane	13.40	117	139046	20.573	ug/l	83
91) 1,2-Dichlorobenzene	13.19	146	291869	23.332	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22567	21.694	ug/l #	57

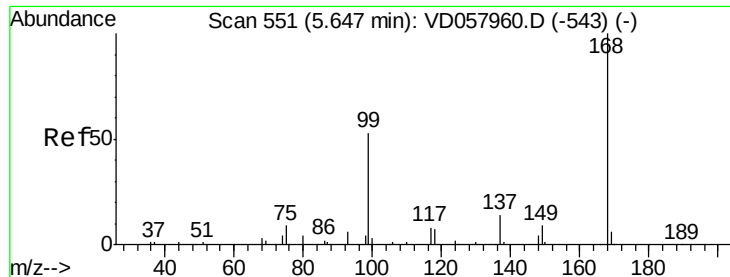
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	247807	21.204	ug/l	98
94) Hexachlorobutadiene	14.43	225	185538	20.183	ug/l	98
95) Naphthalene	14.51	128	341172	22.641	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	207387	20.822	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

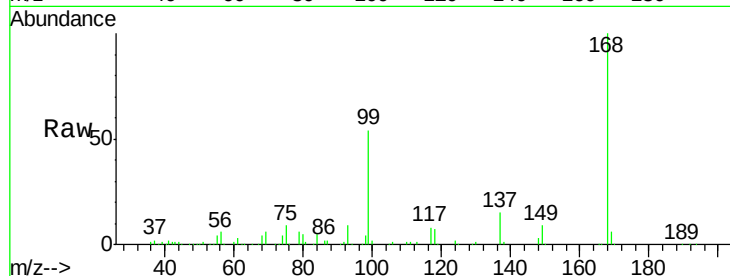
ClientSampled :

Tot Ion:168 Resp: 820988

Ion Ratio Lower Upper

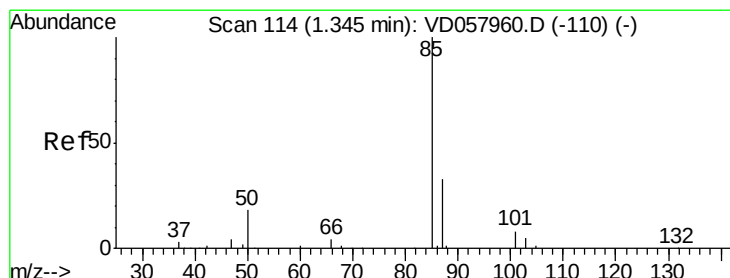
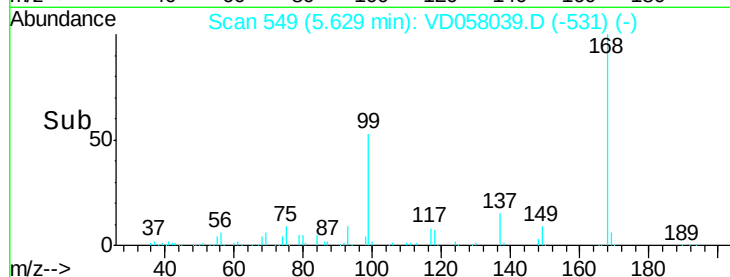
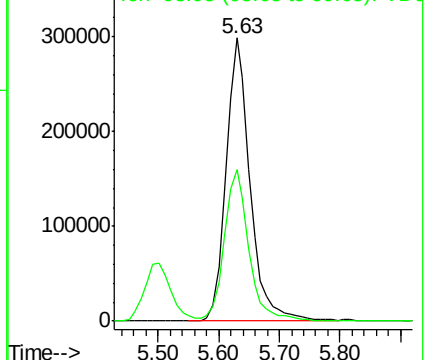
168 100

99 53.5 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: 23.025 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.01 min

Lab File: VD058039.D

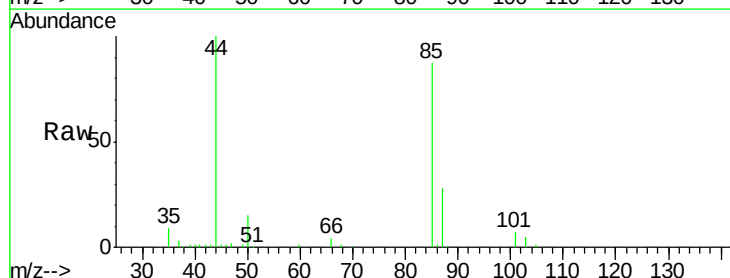
Acq: 9 Jun 2018 3:06

Tgt Ion: 85 Resp: 253705

Ion Ratio Lower Upper

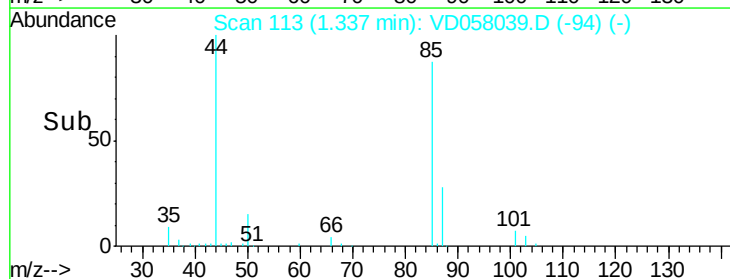
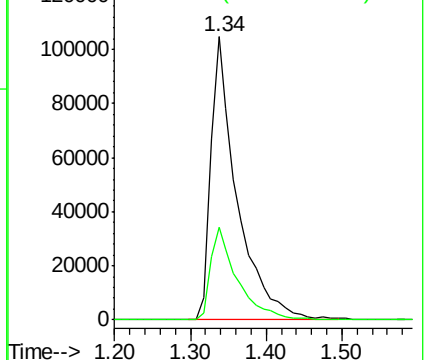
85 100

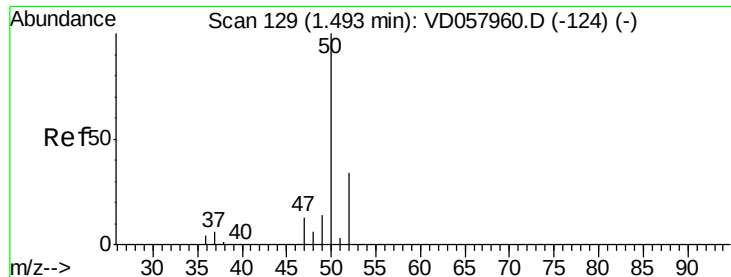
87 32.5 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.742 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

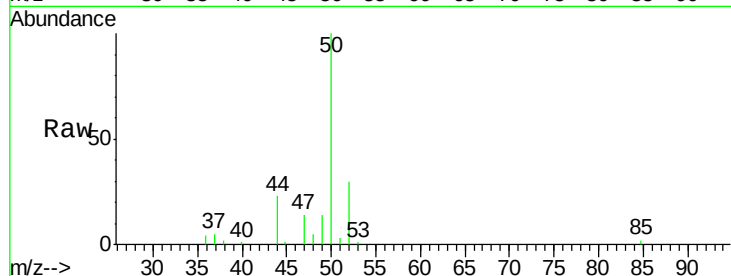
ClientSampled :

Tot Ion: 50 Resp: 134269

Ion Ratio Lower Upper

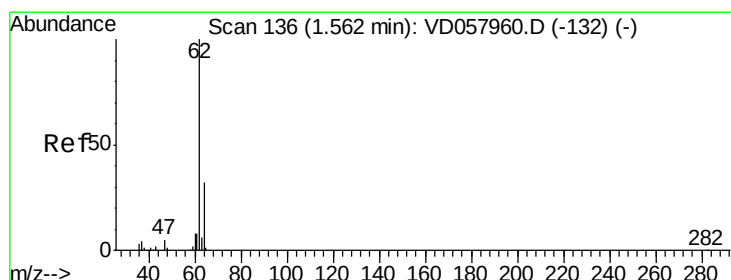
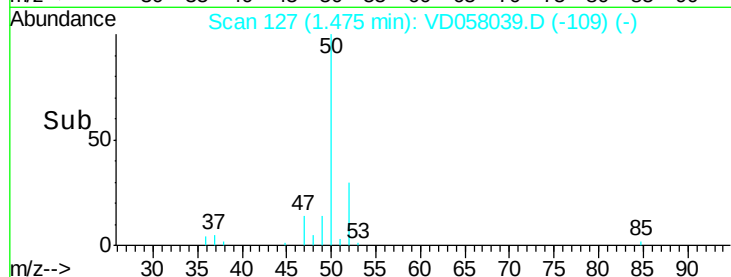
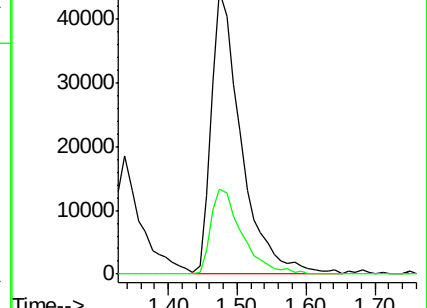
50 100

52 30.2 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: 22.592 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058039.D

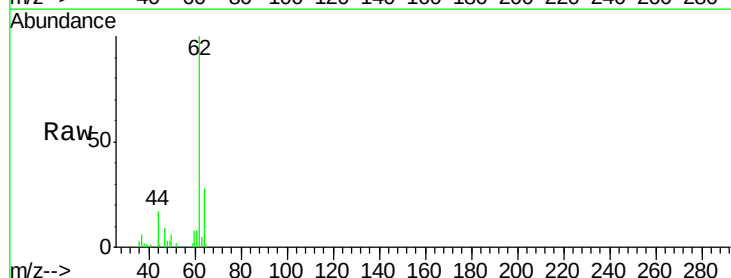
Acq: 9 Jun 2018 3:06

Tgt Ion: 62 Resp: 118677

Ion Ratio Lower Upper

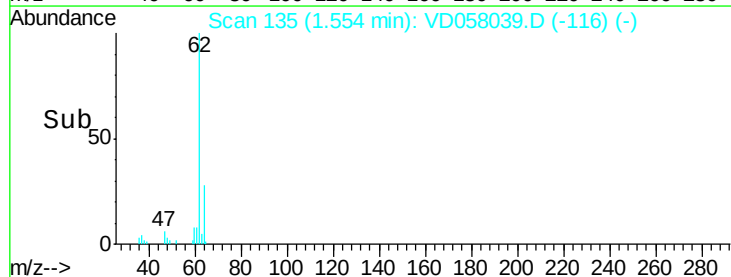
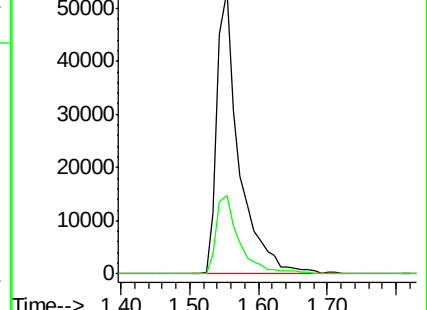
62 100

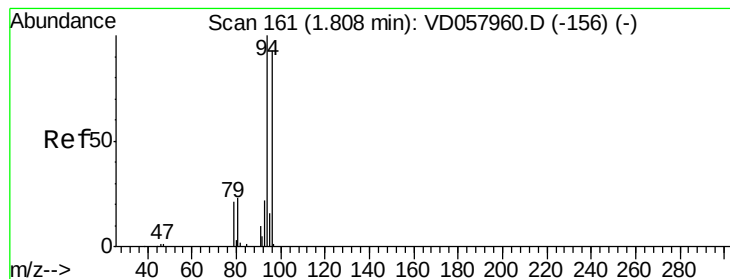
64 27.8 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.901 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

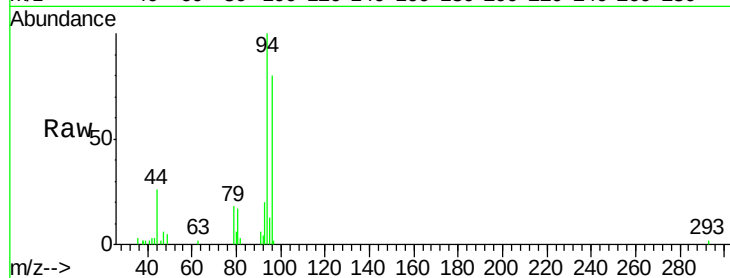
ClientSampled :

Tot Ion: 94 Resp: 40971

Ion Ratio Lower Upper

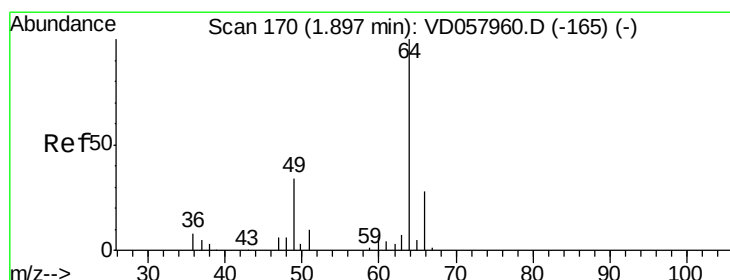
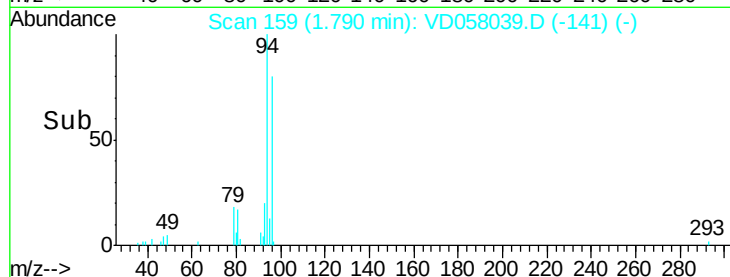
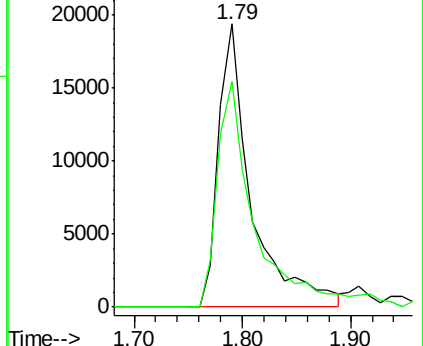
94 100

96 80.0 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: 20.807 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.03 min

Lab File: VD058039.D

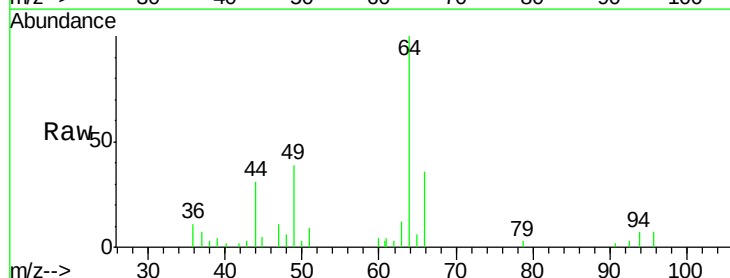
Acq: 9 Jun 2018 3:06

Tgt Ion: 64 Resp: 43122

Ion Ratio Lower Upper

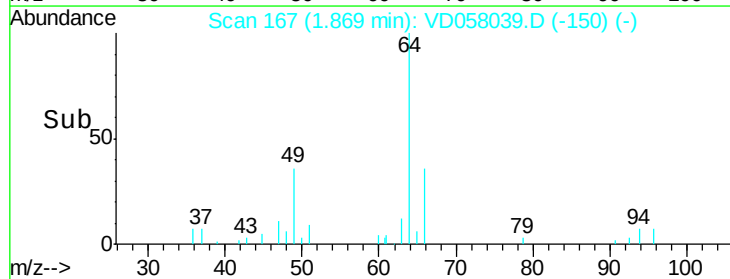
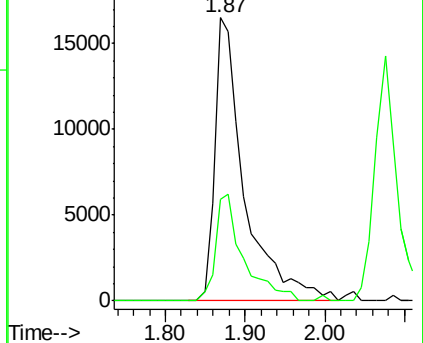
64 100

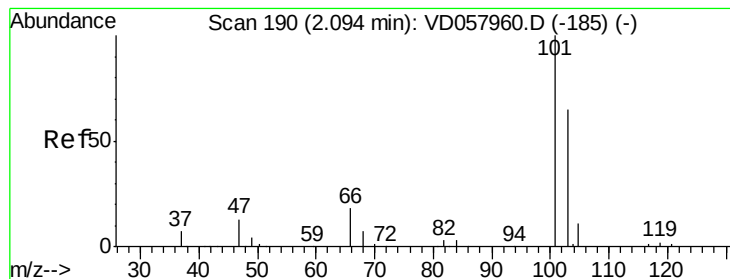
66 36.1 22.8 34.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



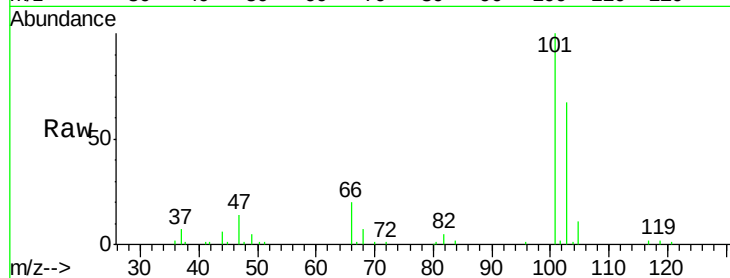


#7

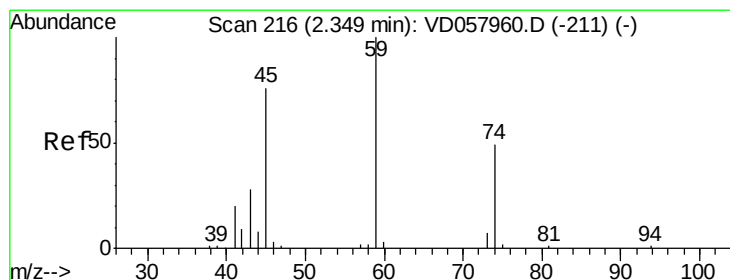
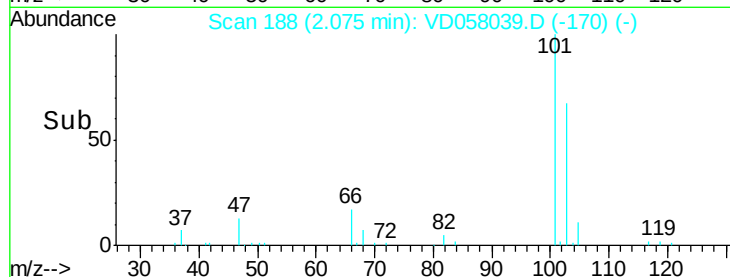
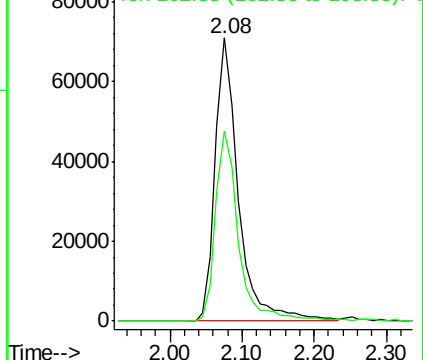
Trichlorofluoromethane
Concen: 22.036 ug/l
RT: 2.08 min Scan# 188
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 158230
Ion Ratio Lower Upper
101 100
103 67.1 52.4 78.6



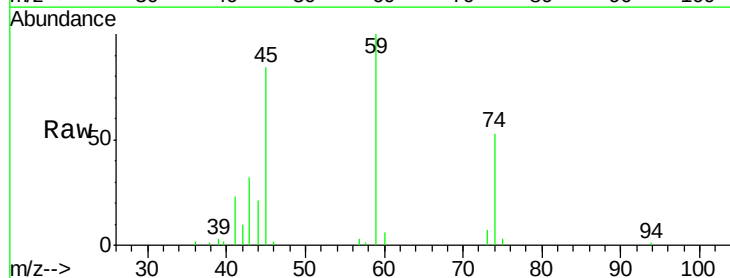
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



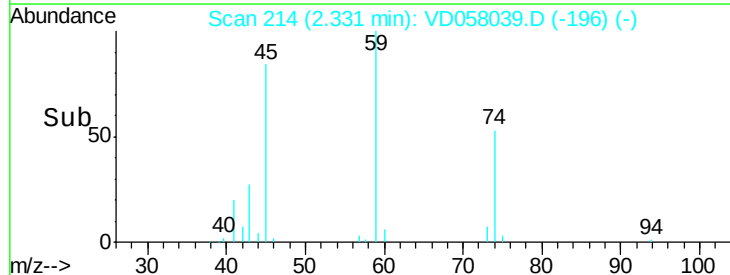
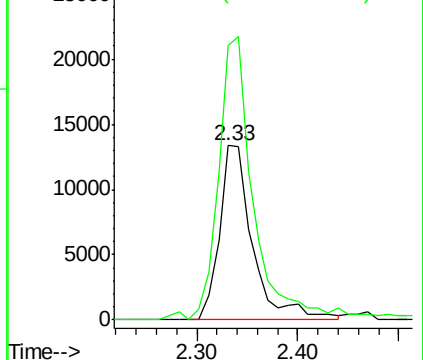
#8

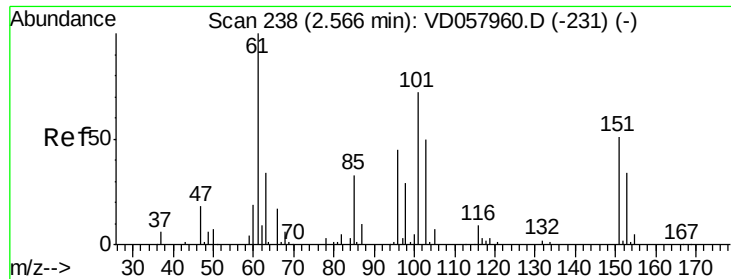
Diethyl Ether
Concen: 22.879 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion: 74 Resp: 30519
Ion Ratio Lower Upper
74 100
45 157.6 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.937 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

ClientSampleId :

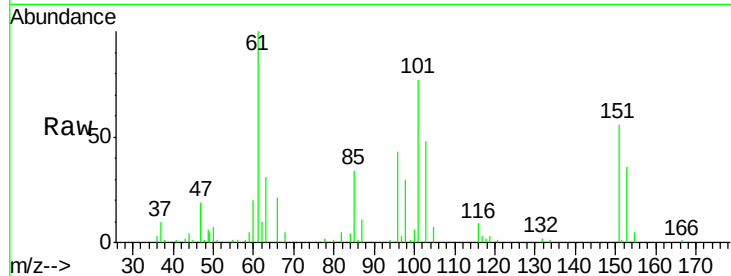
Tot Ion:101 Resp: 98238

Ion Ratio Lower Upper

101 100

85 44.2 37.3 55.9

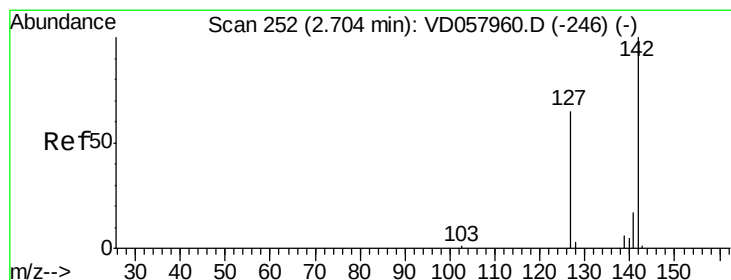
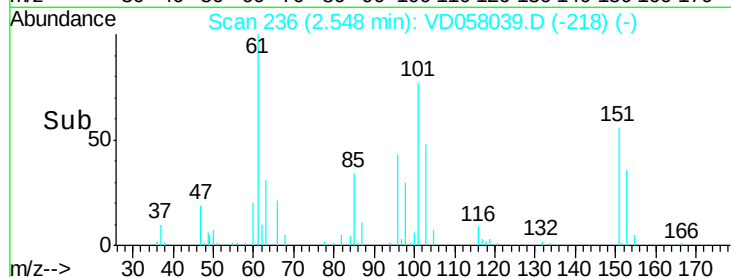
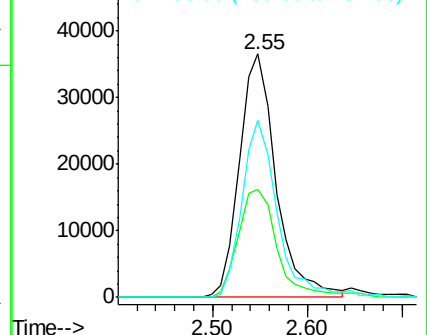
151 74.1 57.0 85.6



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



#10

Methyl Iodide

Concen: 20.352 ug/l

RT: 2.69 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

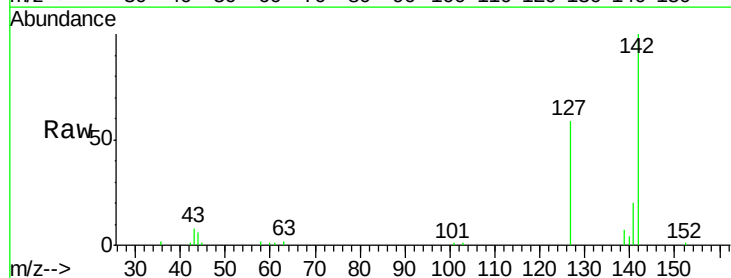
Tgt Ion:142 Resp: 112475

Ion Ratio Lower Upper

142 100

127 58.7 52.0 78.0

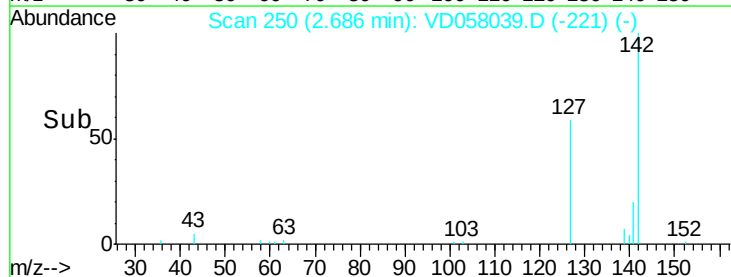
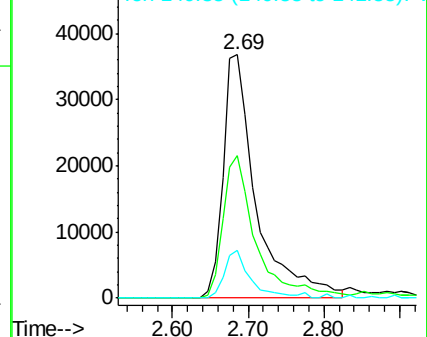
141 19.9 13.2 19.8#

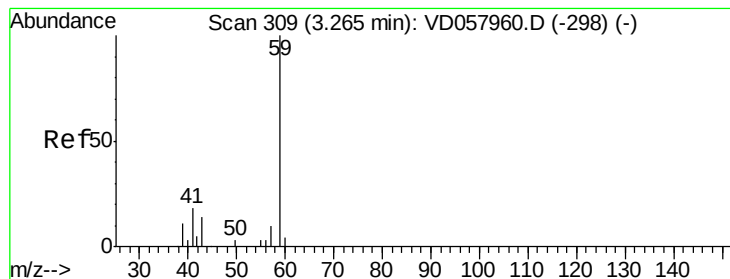


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



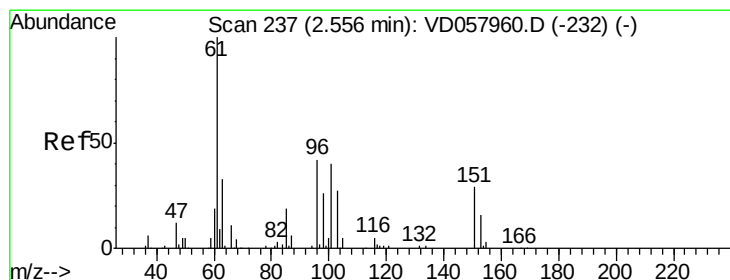
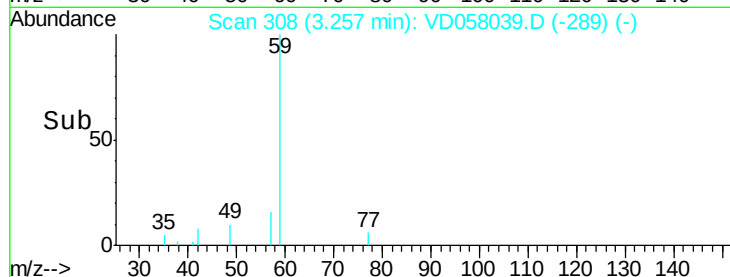
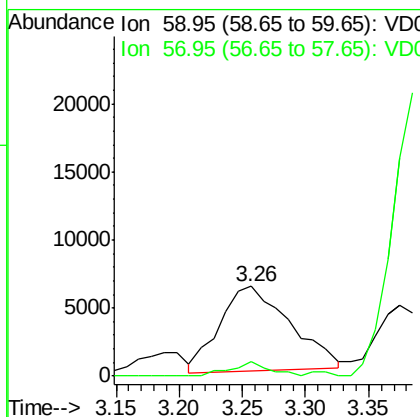
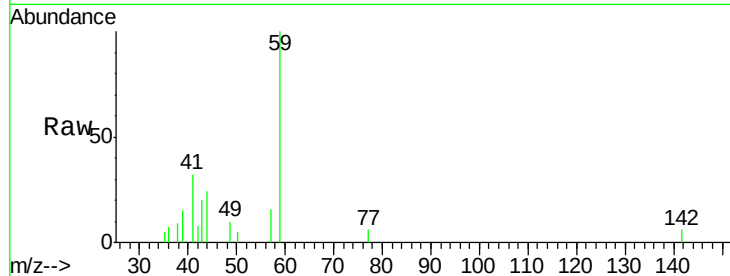


#11

Tert butyl alcohol
 Concen: 108.165 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Instrument :
 MSVOA_D
 ClientSampled :

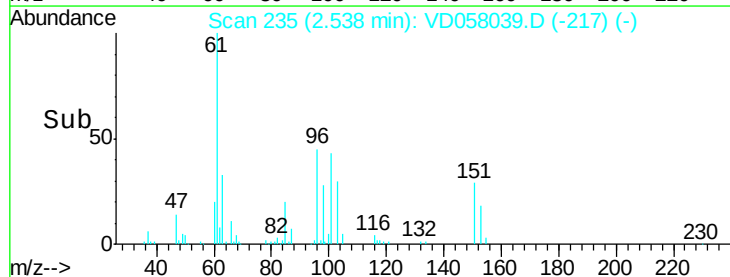
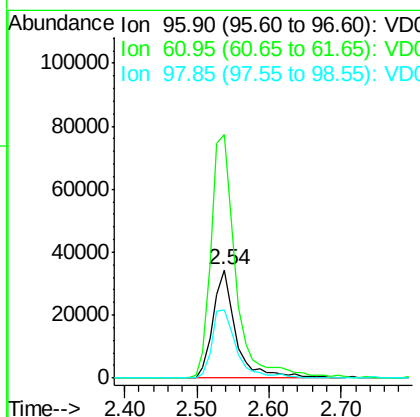
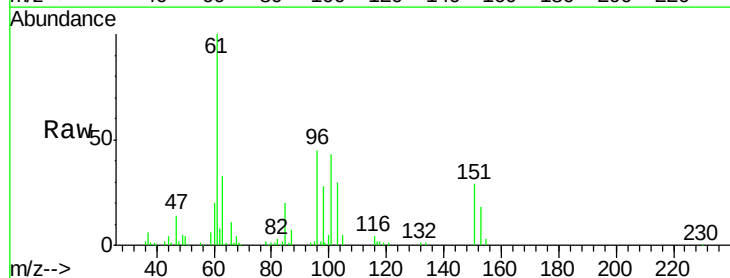
Tot Ion: 59 Resp: 23783
 Ion Ratio Lower Upper
 59 100
 57 16.4 7.8 11.6#

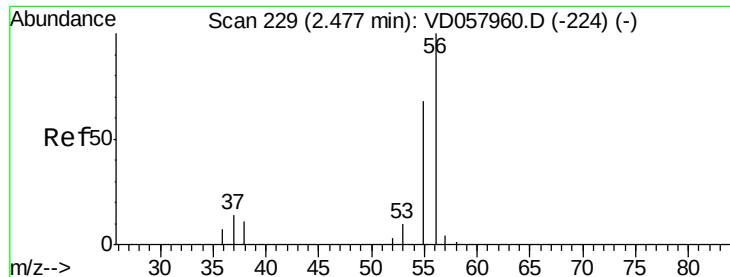


#12

1,1-Dichloroethene
 Concen: 22.596 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.02 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion: 96 Resp: 74402
 Ion Ratio Lower Upper
 96 100
 61 224.4 190.2 285.4
 98 62.9 49.6 74.4

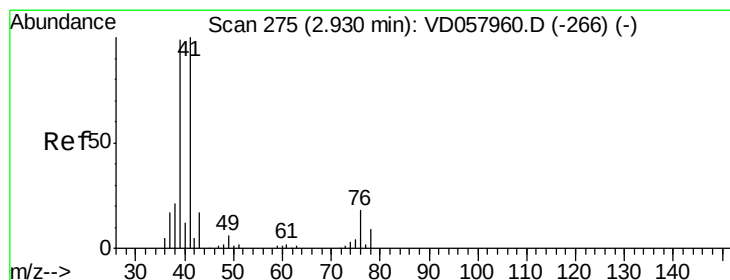
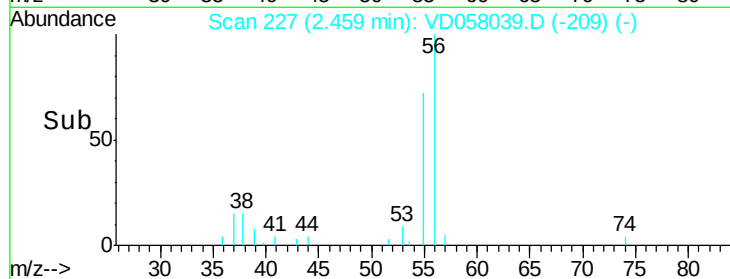
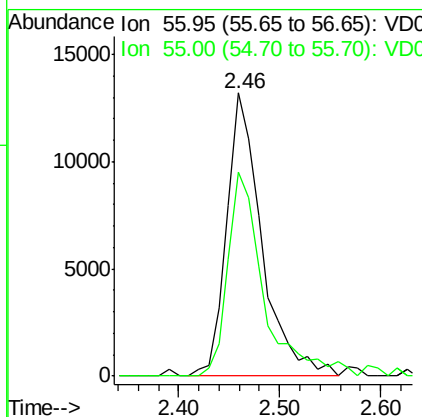
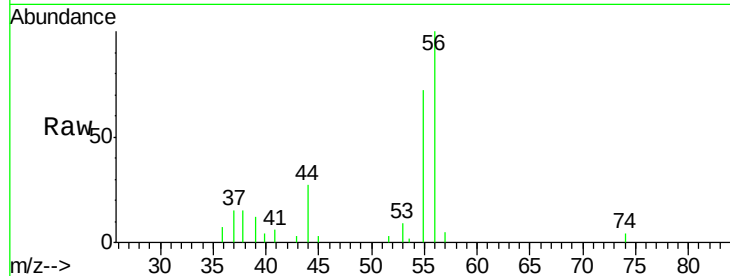




#13
 Acrolein
 Concen: 101.418 ug/l
 RT: 2.46 min Scan# 227
 Delta R.T. -0.02 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

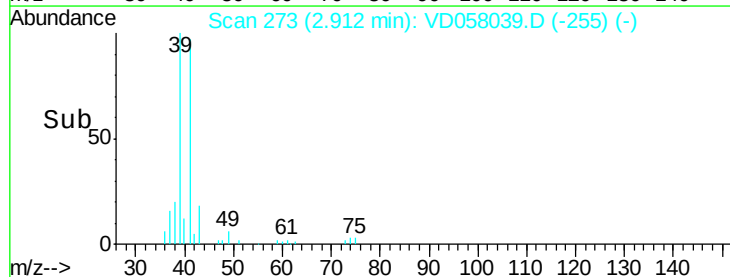
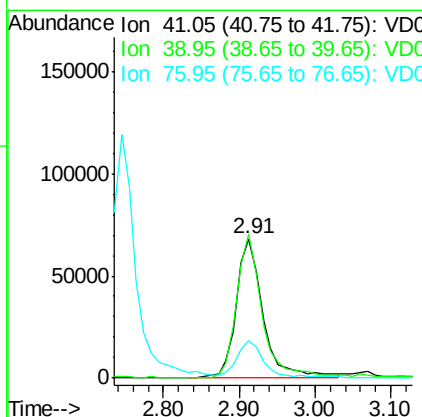
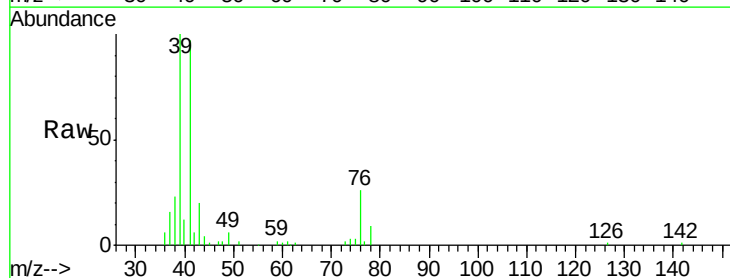
Instrument :
 MSVOA_D
 ClientSampled :

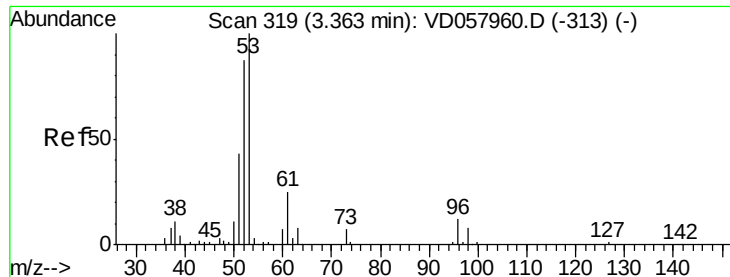
Tot Ion: 56 Resp: 31936
 Ion Ratio Lower Upper
 56 100
 55 72.0 54.0 81.0



#14
 Allyl chloride
 Concen: 22.075 ug/l
 RT: 2.91 min Scan# 273
 Delta R.T. -0.02 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion: 41 Resp: 167676
 Ion Ratio Lower Upper
 41 100
 39 103.5 79.5 119.3
 76 26.5 20.7 31.1





#15

Acrylonitrile

Concen: 101.833 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

ClientSampleId :

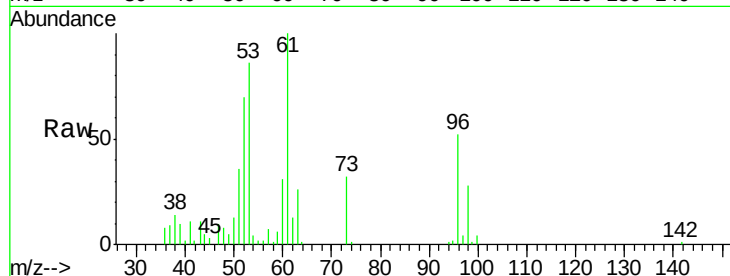
Tot Ion: 53 Resp: 130989

Ion Ratio Lower Upper

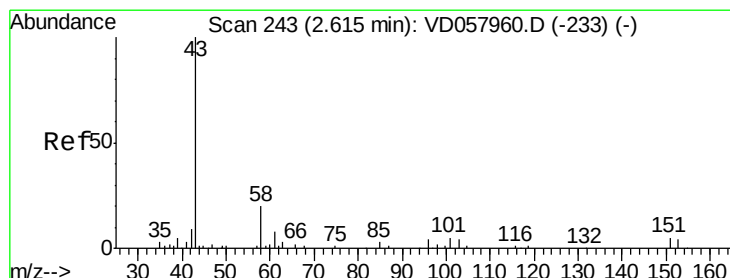
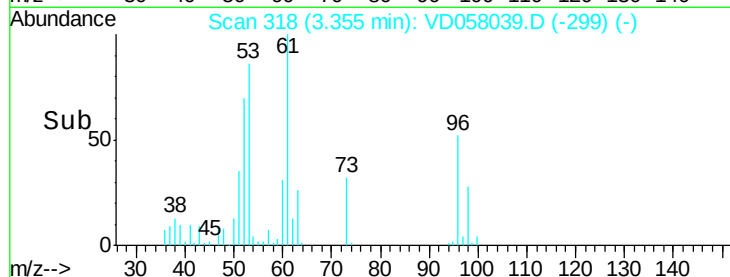
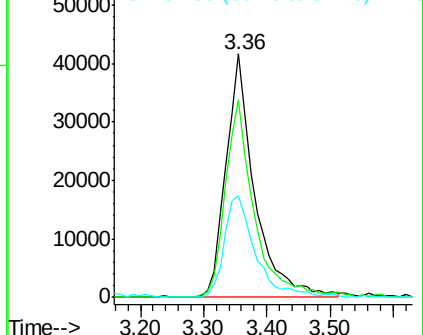
53 100

52 81.0 69.9 104.9

51 42.0 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: 87.912 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD058039.D

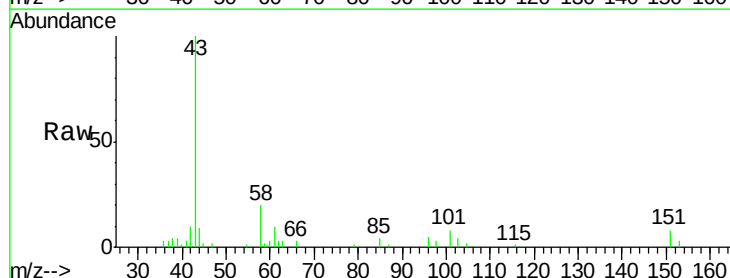
Acq: 9 Jun 2018 3:06

Tgt Ion: 43 Resp: 103958

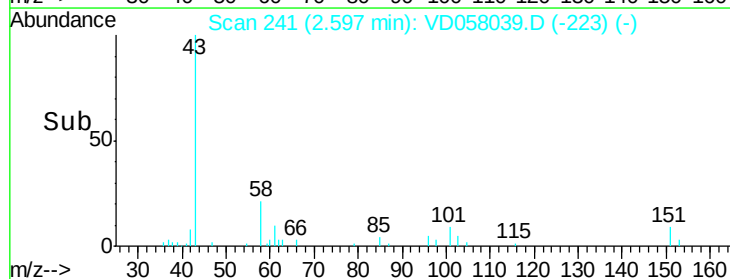
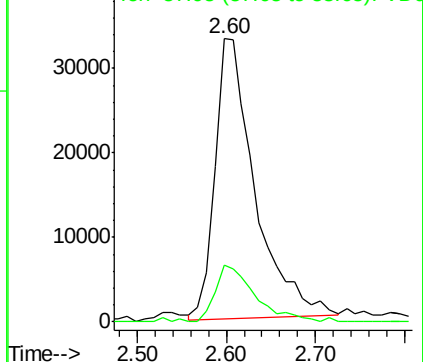
Ion Ratio Lower Upper

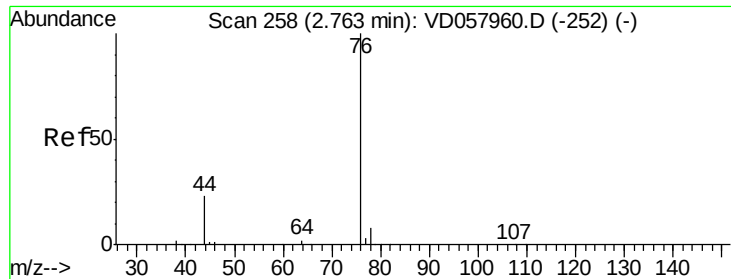
43 100

58 20.2 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: 21.831 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

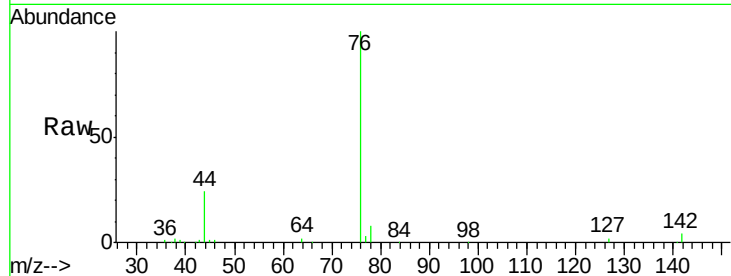
ClientSampled :

Tot Ion: 76 Resp: 260405

Ion Ratio Lower Upper

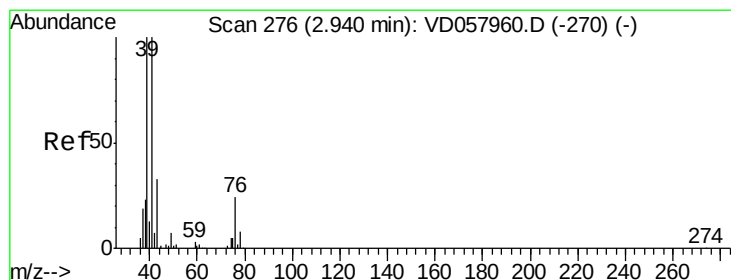
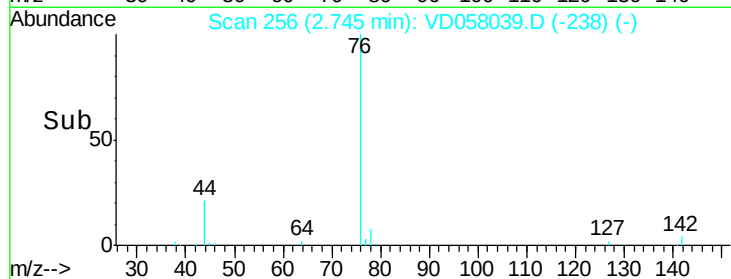
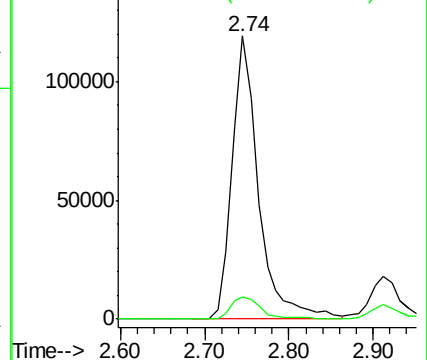
76 100

78 8.0 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: 23.878 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.02 min

Lab File: VD058039.D

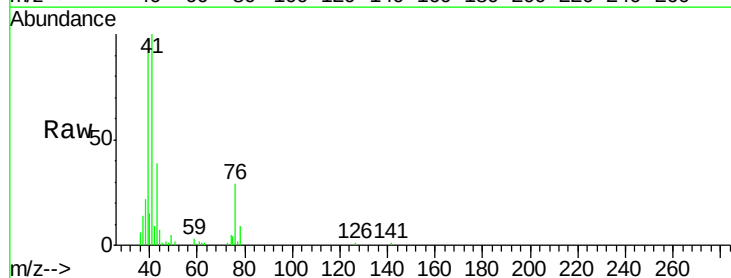
Acq: 9 Jun 2018 3:06

Tgt Ion: 43 Resp: 54623

Ion Ratio Lower Upper

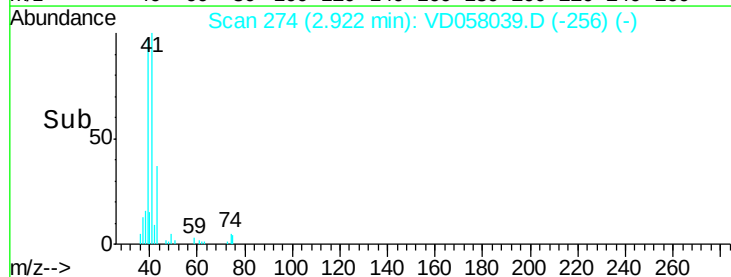
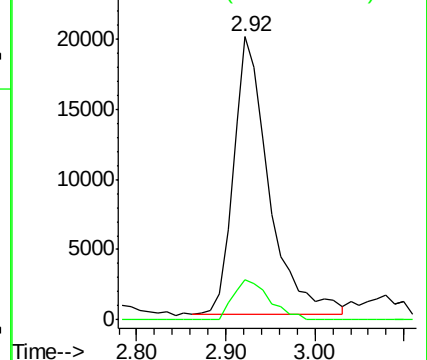
43 100

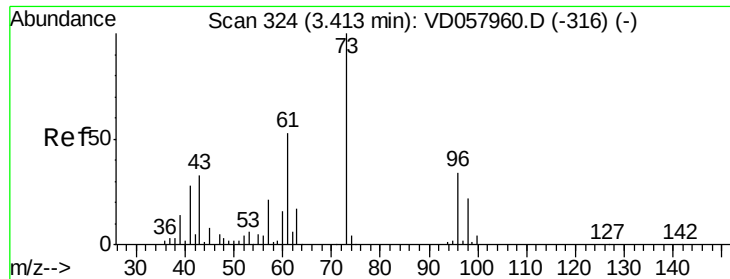
74 14.1 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

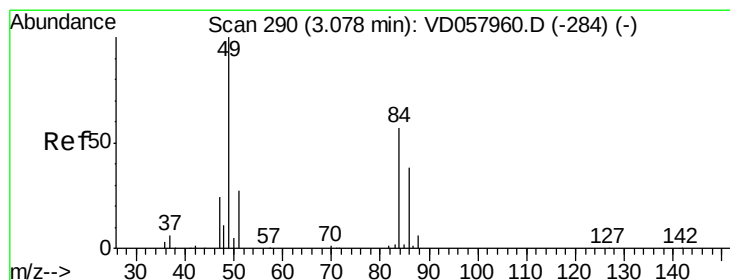
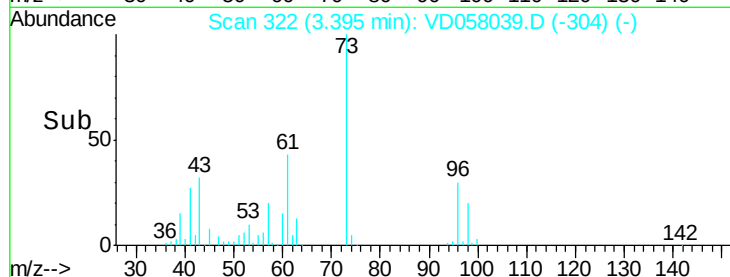
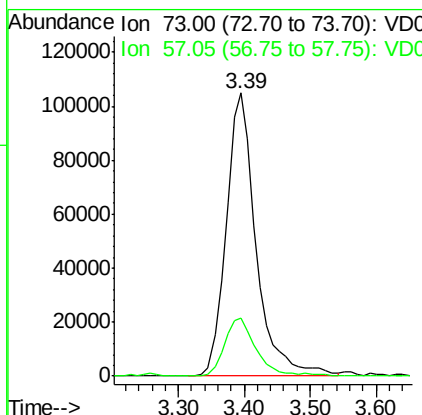
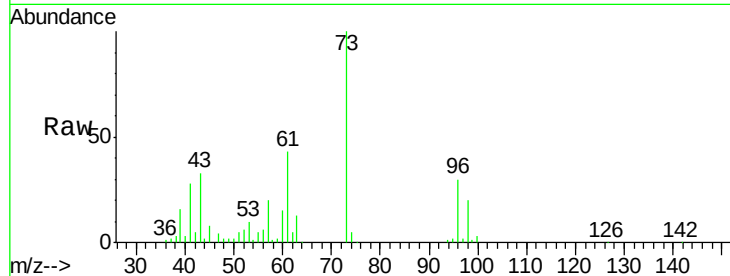




#19
Methyl tert-butyl Ether
Concen: 23.012 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

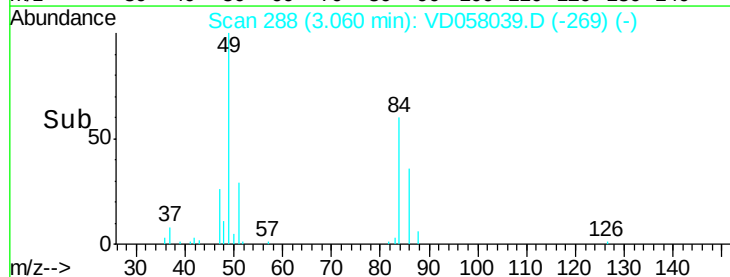
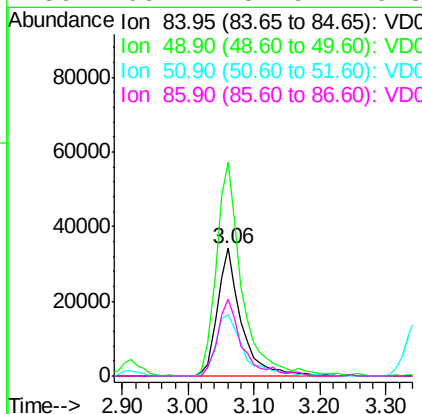
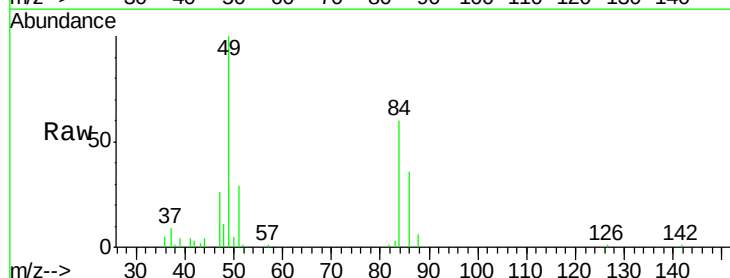
Instrument :
MSVOA_D
ClientSampled :

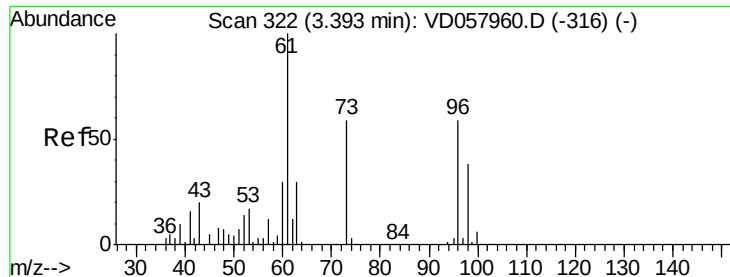
Tot Ion: 73 Resp: 333410
Ion Ratio Lower Upper
73 100
57 20.4 16.7 25.1



#20
Methylene Chloride
Concen: 25.586 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion: 84 Resp: 85672
Ion Ratio Lower Upper
84 100
49 167.5 141.4 212.0
51 48.0 38.3 57.5
86 60.1 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 22.192 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

ClientSampleId :

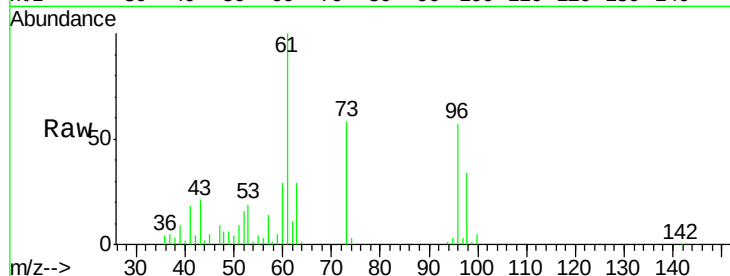
Tot Ion: 96 Resp: 162758

Ion Ratio Lower Upper

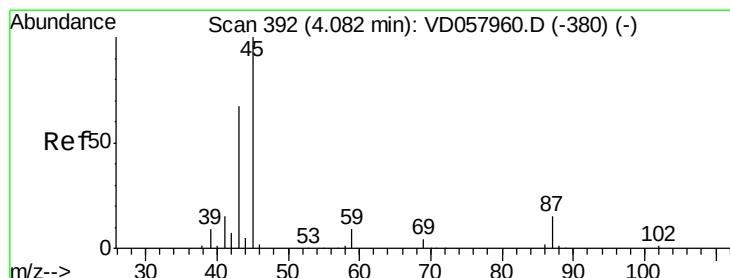
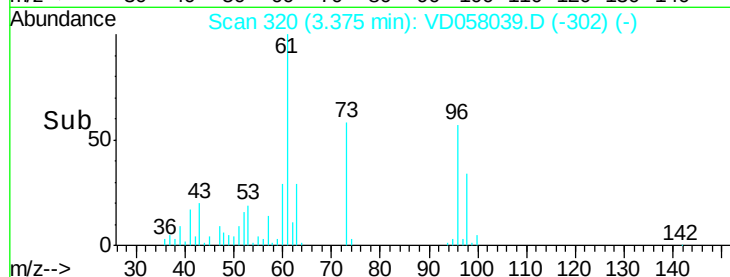
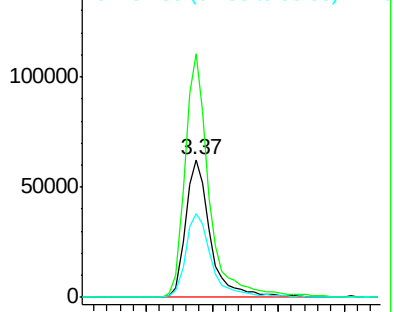
96 100

61 176.8 135.2 202.8

98 60.9 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: 22.554 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Tgt Ion: 45 Resp: 678690

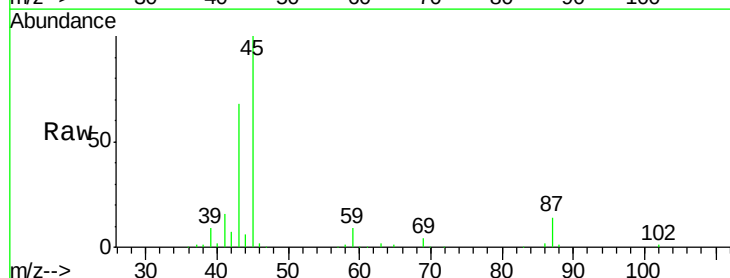
Ion Ratio Lower Upper

45 100

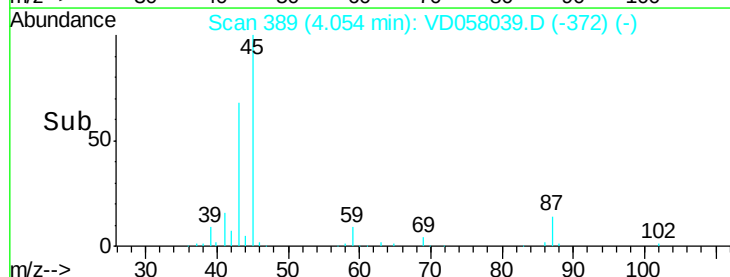
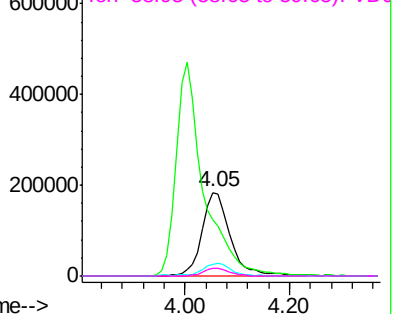
43 68.0 53.8 80.8

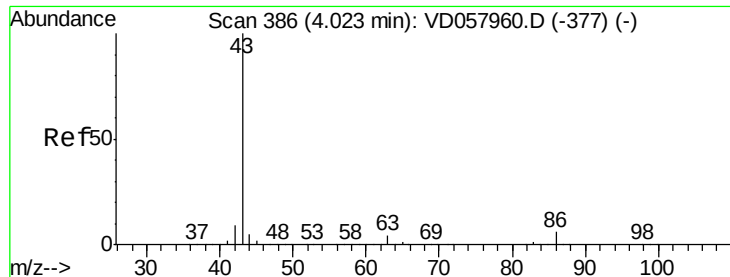
87 14.2 12.5 18.7

59 9.3 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: 110.270 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

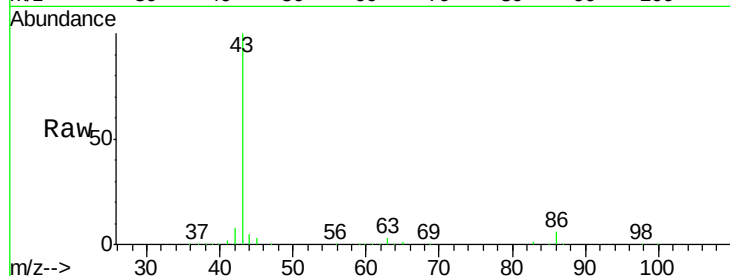
ClientSampleId :

Tot Ion: 43 Resp: 1714446

Ion Ratio Lower Upper

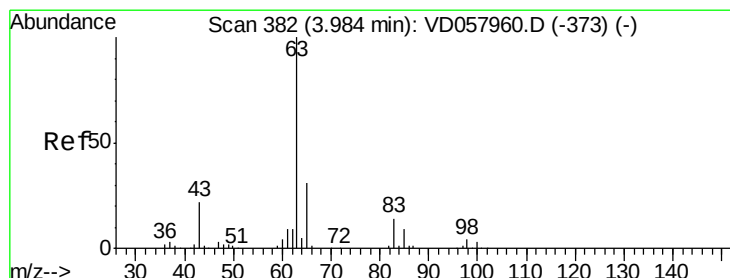
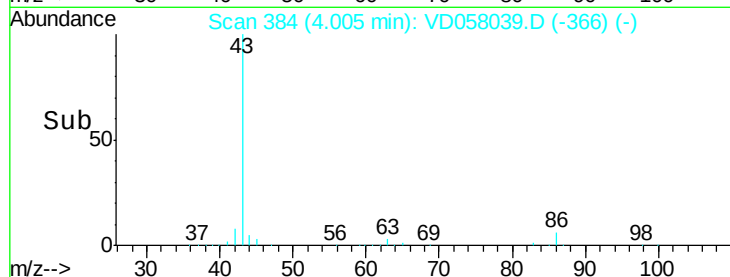
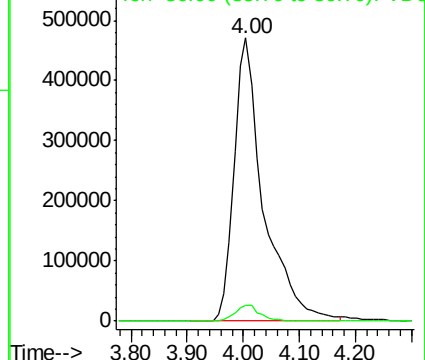
43 100

86 5.8 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: 23.079 ug/l

RT: 3.96 min Scan# 379

Delta R.T. -0.03 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

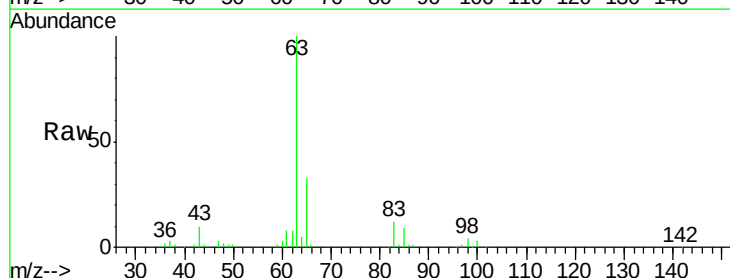
Tgt Ion: 63 Resp: 381676

Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

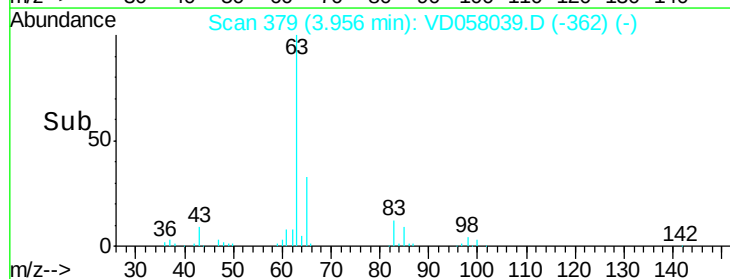
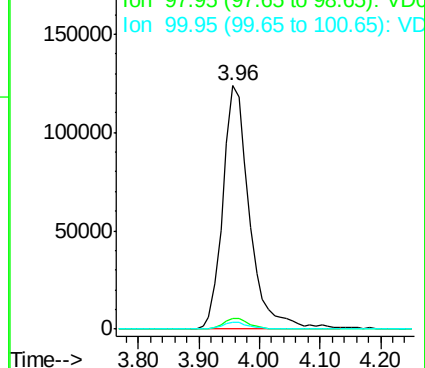
100 3.0 1.4 4.2

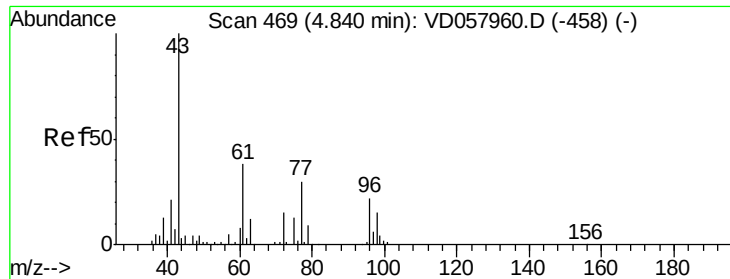


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.728 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

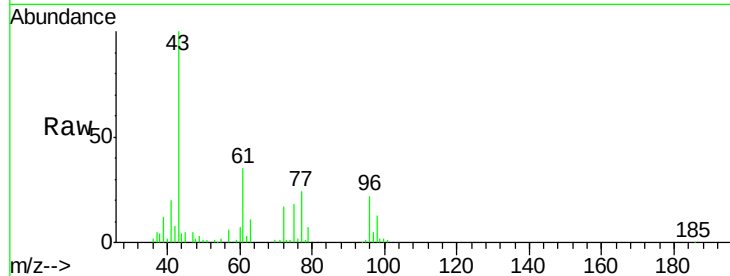
ClientSampled :

Tot Ion: 43 Resp: 289512

Ion Ratio Lower Upper

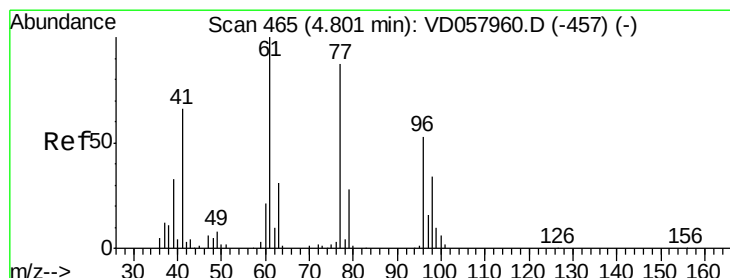
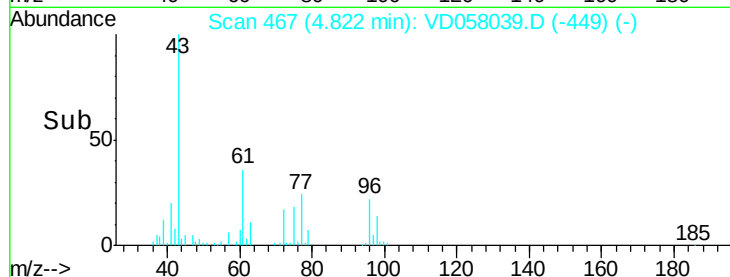
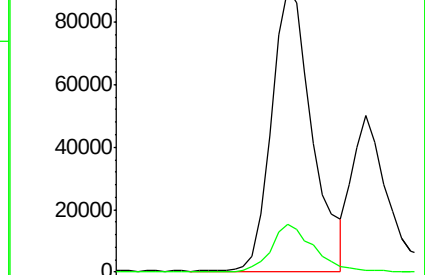
43 100

72 17.0 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.479 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD058039.D

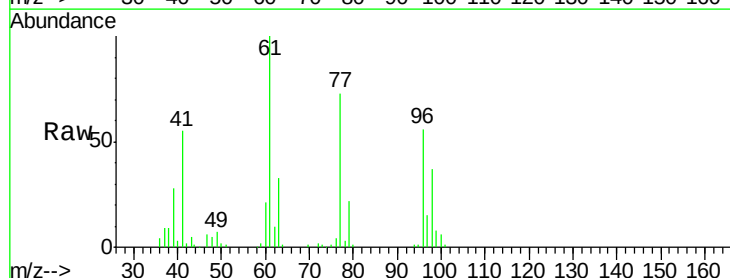
Acq: 9 Jun 2018 3:06

Tgt Ion: 77 Resp: 265366

Ion Ratio Lower Upper

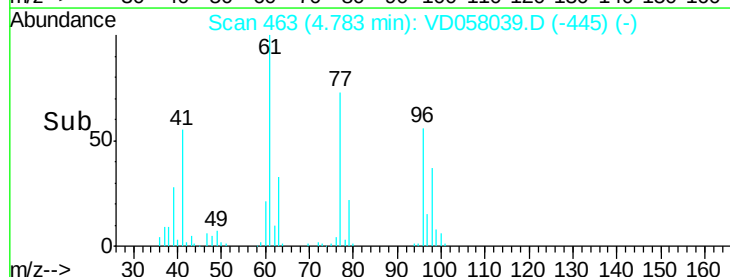
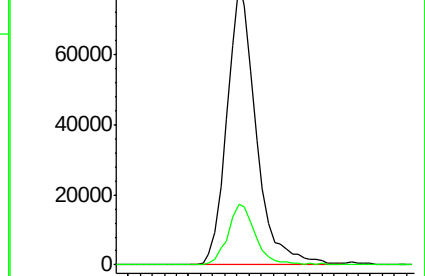
77 100

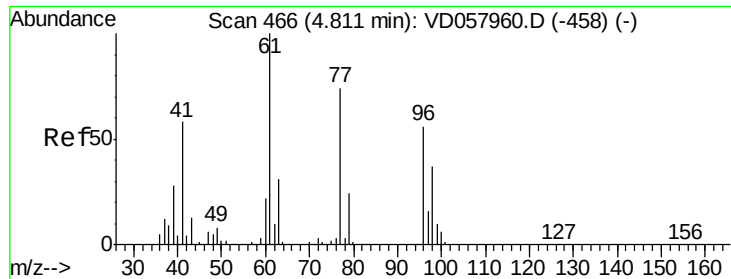
97 21.2 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



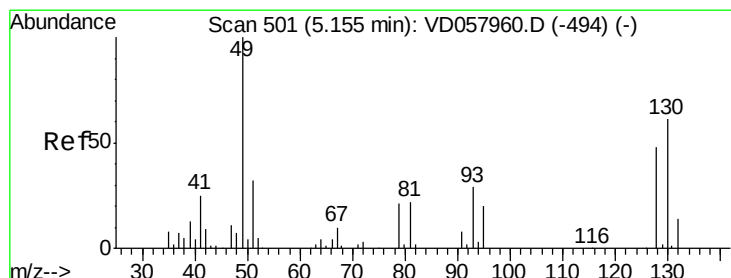
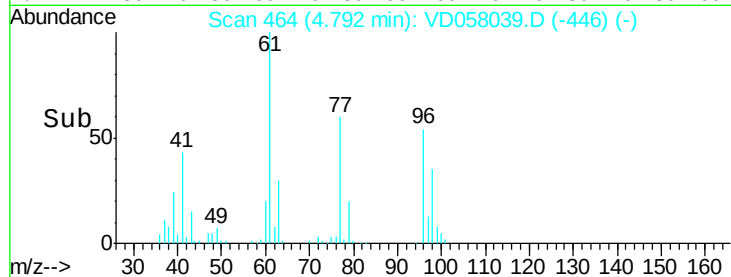
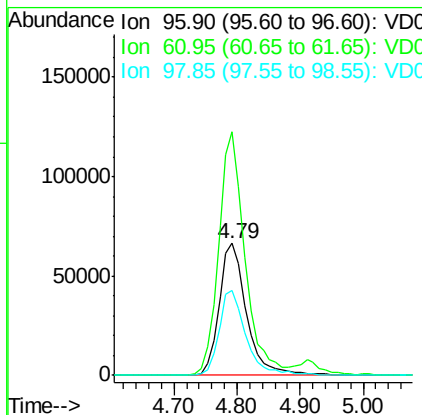
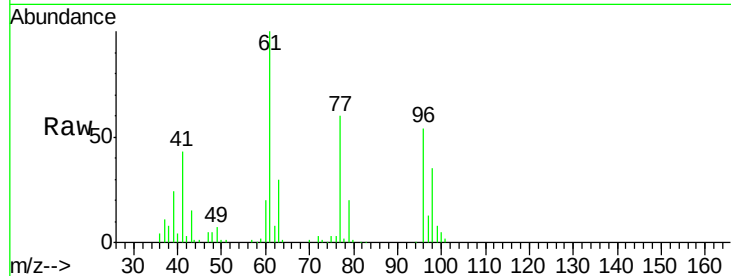


#27

cis-1,2-Dichloroethene
 Concen: 23.052 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.02 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Instrument :
 MSVOA_D
 ClientSampled :

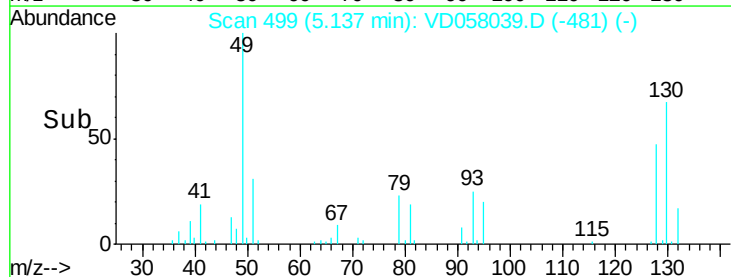
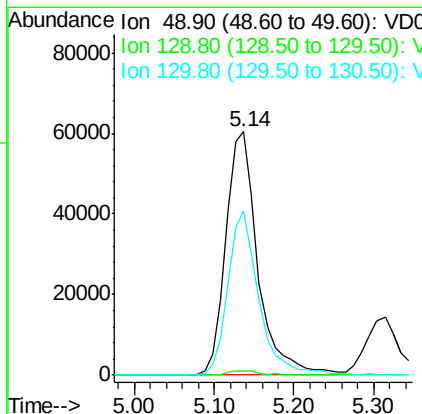
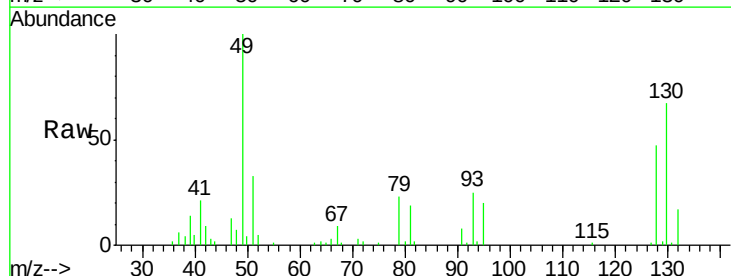
Tot Ion	96	Resp	200508
Ion	Ratio	Lower	Upper
96	100		
61	184.7	0.0	355.0
98	64.3	0.0	129.6

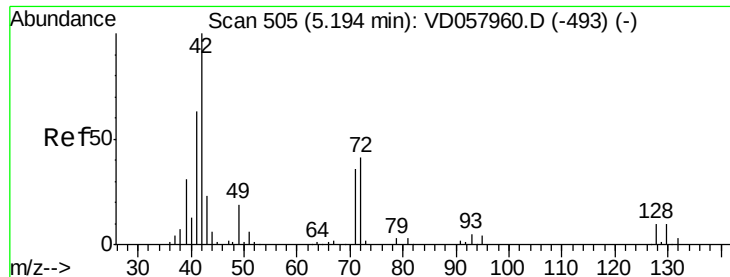


#28

Bromochloromethane
 Concen: 23.794 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. -0.02 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion	49	Resp	170312
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	67.4	48.8	73.2

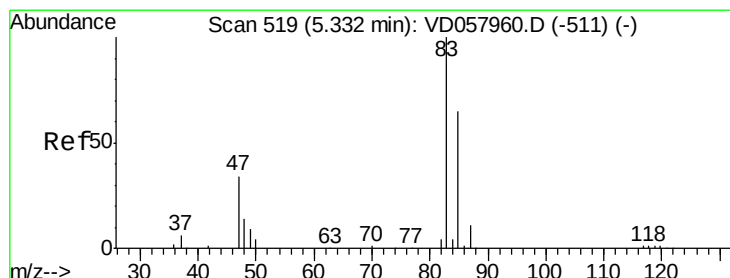
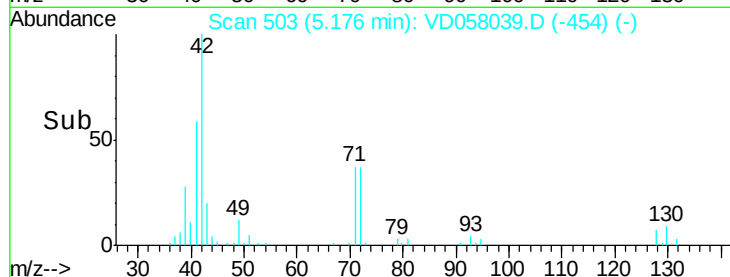
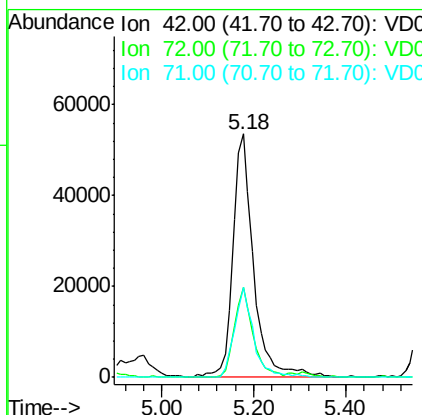
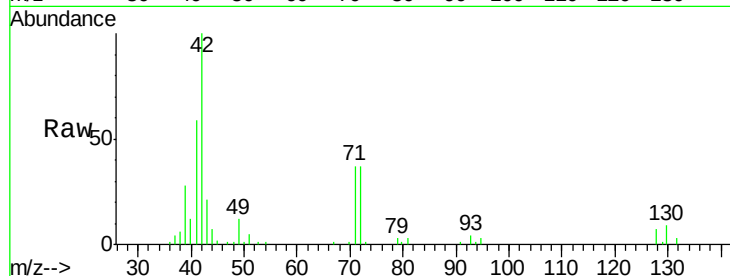




#29
Tetrahydrofuran
Concen: 119.811 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

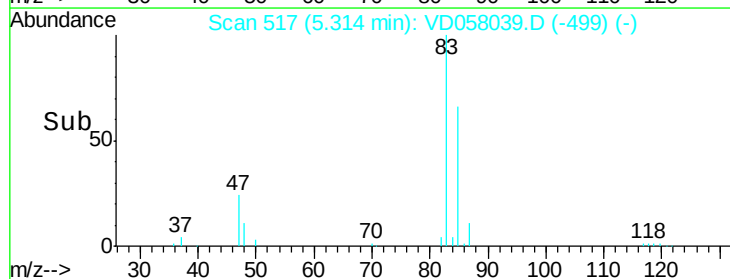
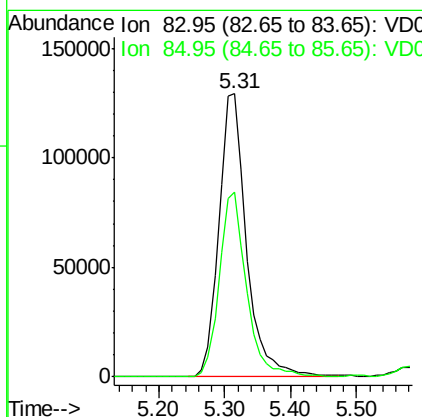
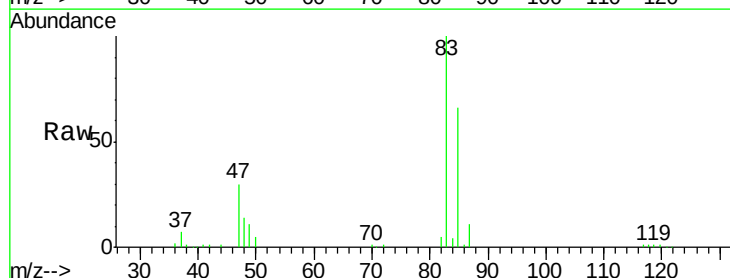
Instrument :
MSVOA_D
ClientSampleId :

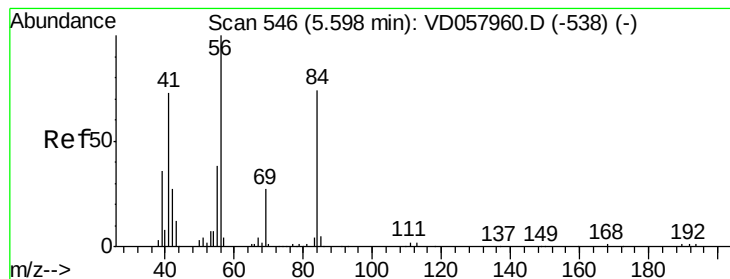
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.4	28.5	42.7
71	34.2	27.9	41.9



#30
Chloroform
Concen: 22.728 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.6	77.4





#31

Cyclohexane

Concen: 21.969 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

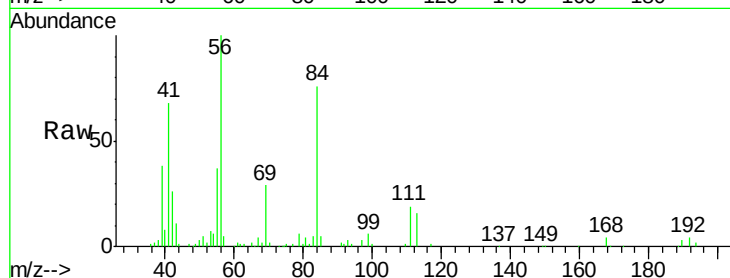
Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

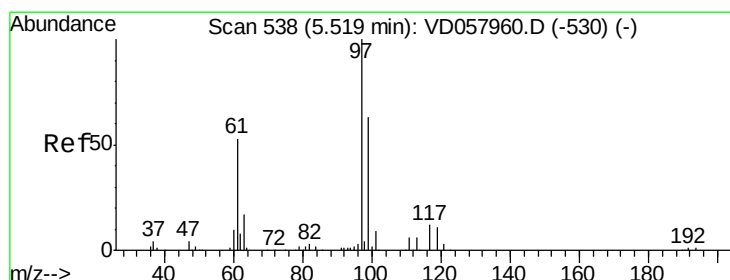
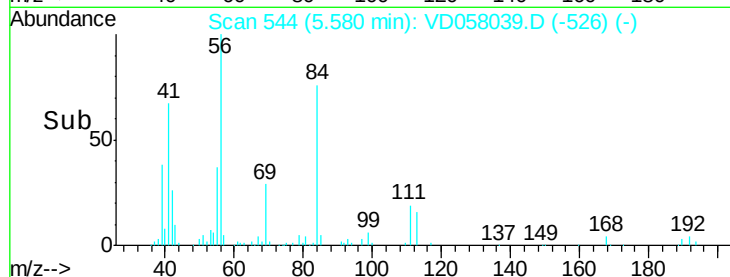
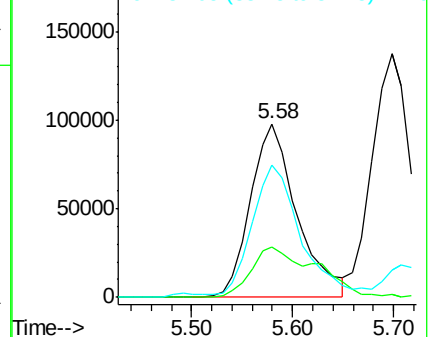
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 313548

Ion	Ratio	Lower	Upper
56	100		
69	29.3	21.5	32.3
84	76.1	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: 22.209 ug/l

RT: 5.50 min Scan# 536

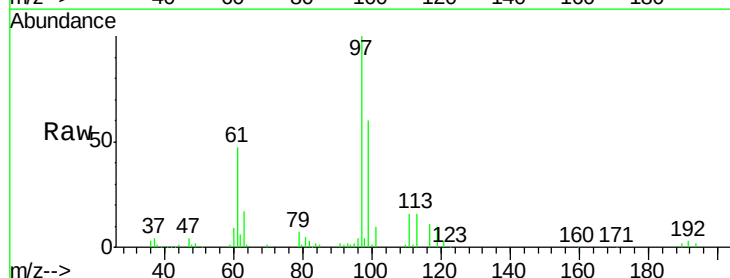
Delta R.T. -0.02 min

Lab File: VD058039.D

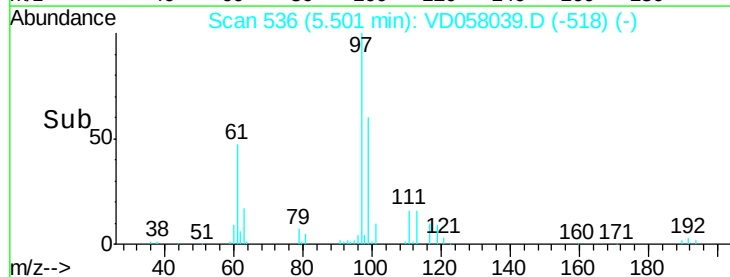
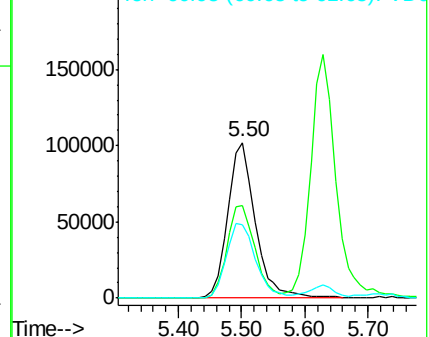
Acq: 9 Jun 2018 3:06

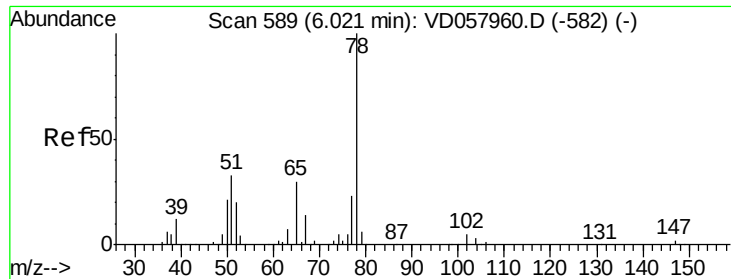
Tgt Ion: 97 Resp: 309513

Ion	Ratio	Lower	Upper
97	100		
99	59.5	50.1	75.1
61	47.0	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

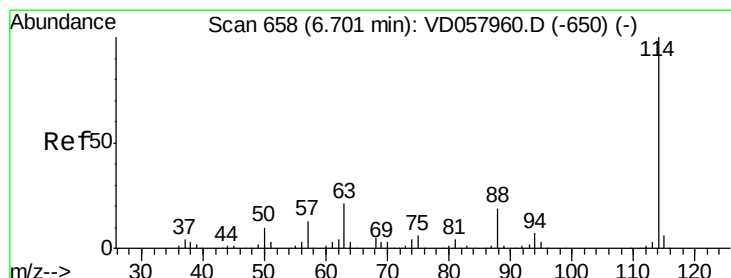
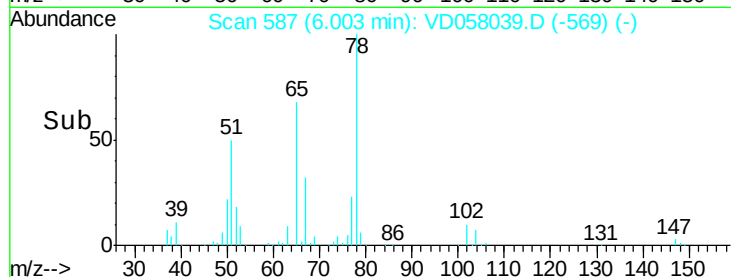
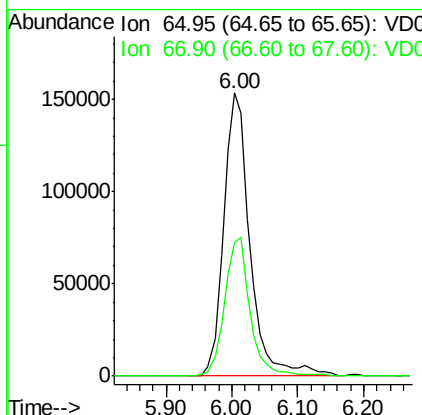
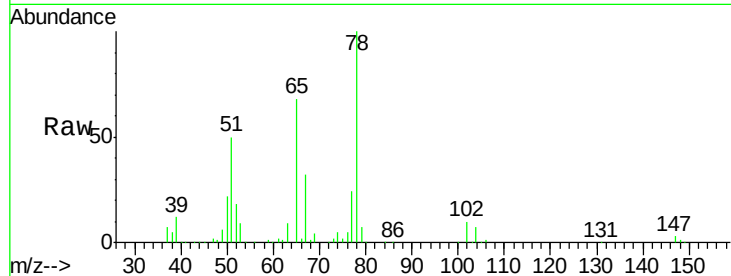




#33
 1,2-Dichloroethane-d4
 Concen: 22.209 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

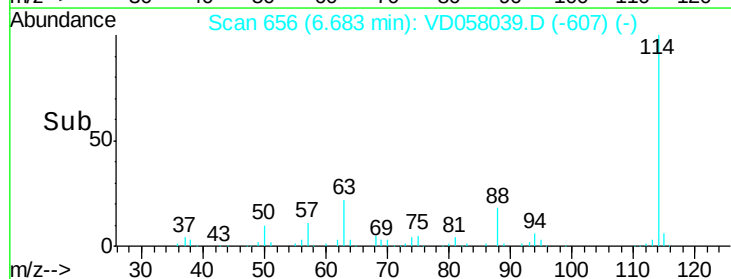
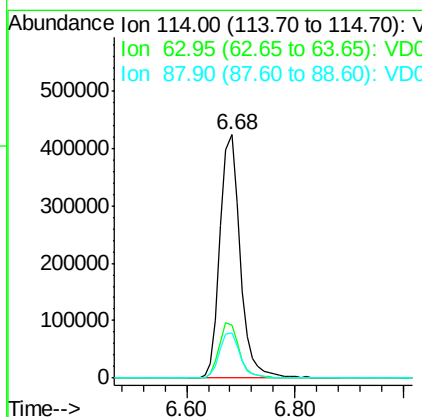
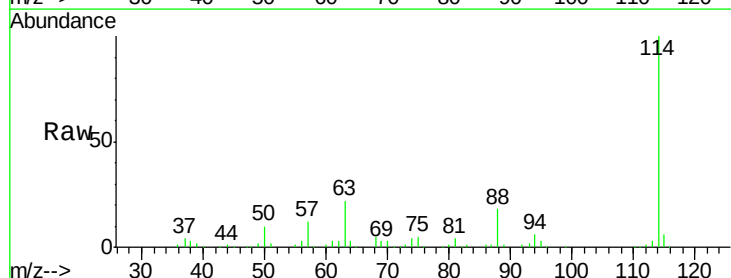
Instrument :
 MSVOA_D
 ClientSampleId :

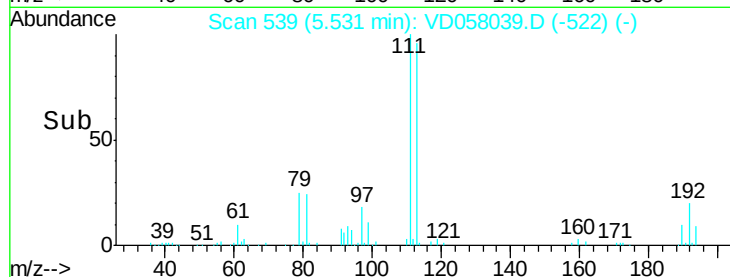
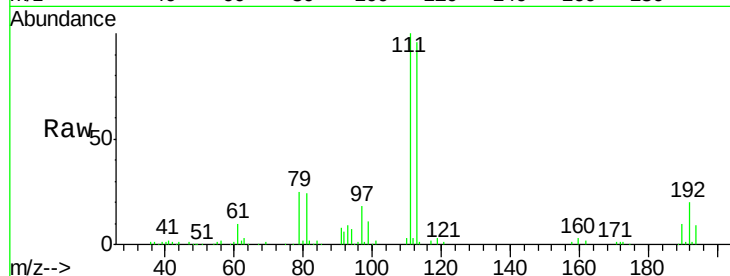
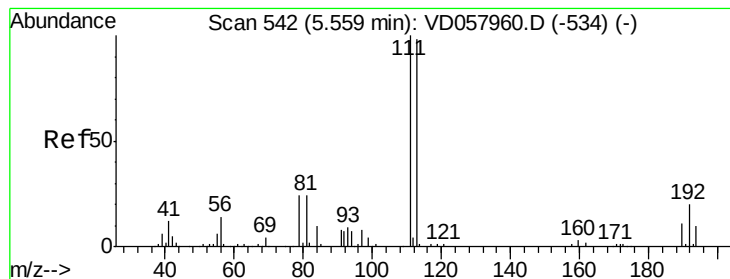
Tot Ion: 65 Resp: 426827
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion: 114 Resp: 1098398
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 18.4 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 539

Delta R.T. -0.03 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

ClientSampleId :

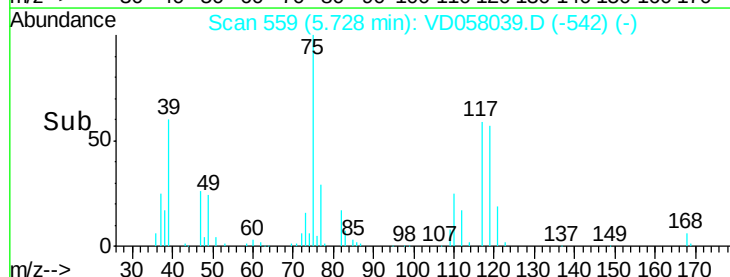
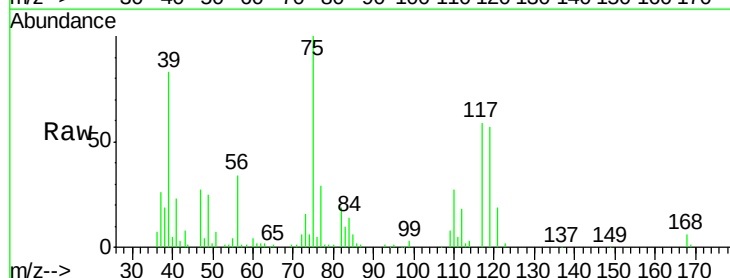
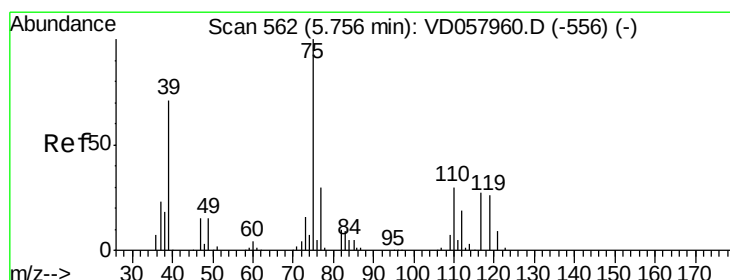
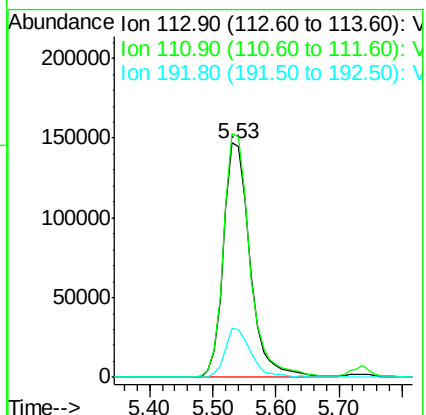
Tot Ion:113 Resp: 432356

Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

192 20.8 16.4 24.6



#36

1,1-Dichloropropene

Concen: 22.674 ug/l

RT: 5.73 min Scan# 559

Delta R.T. -0.03 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

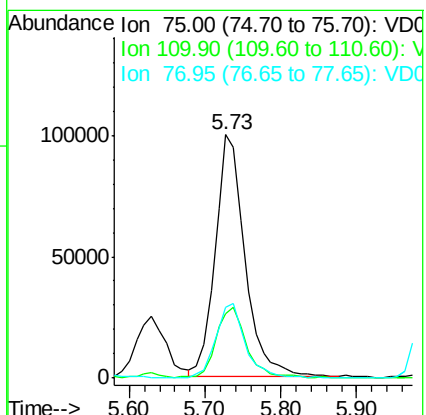
Tgt Ion: 75 Resp: 274382

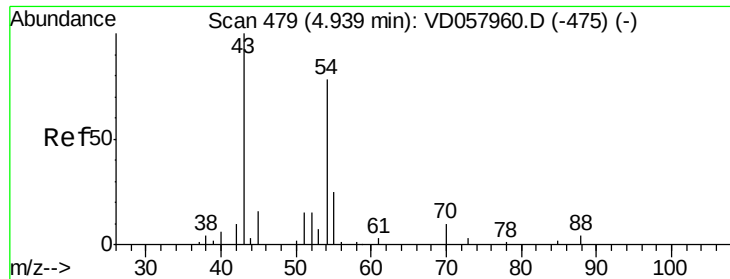
Ion Ratio Lower Upper

75 100

110 26.7 14.8 44.3

77 29.3 23.9 35.9

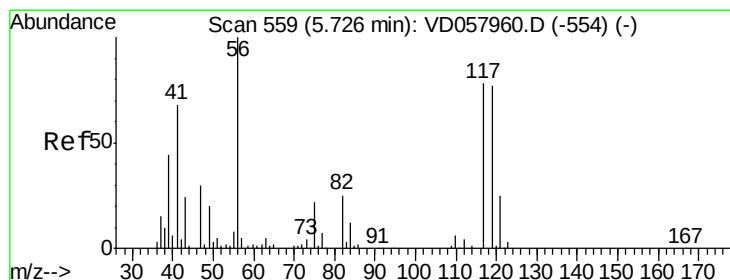
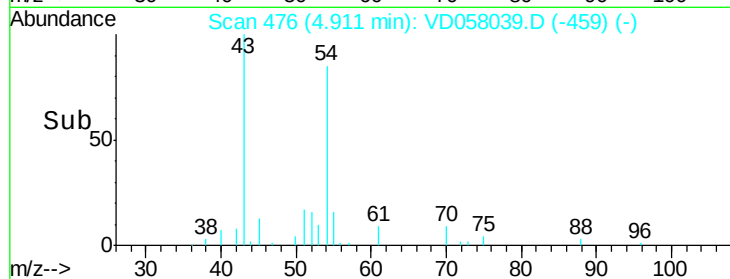
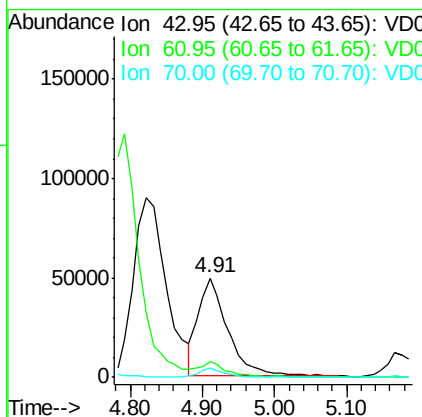
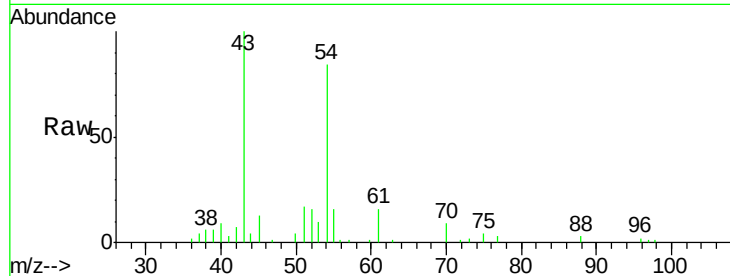




#37
Ethyl Acetate
Concen: 21.275 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.03 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

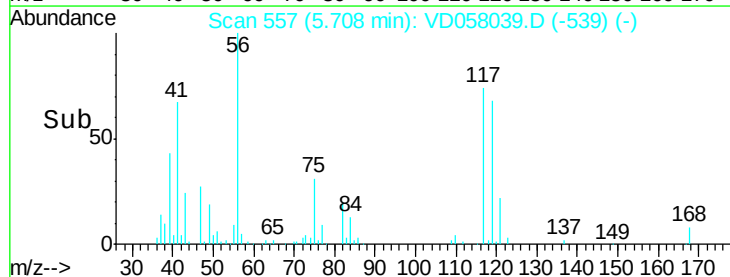
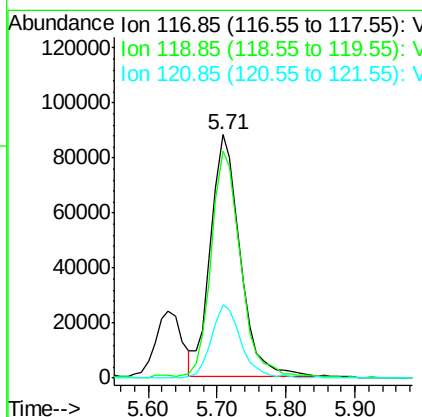
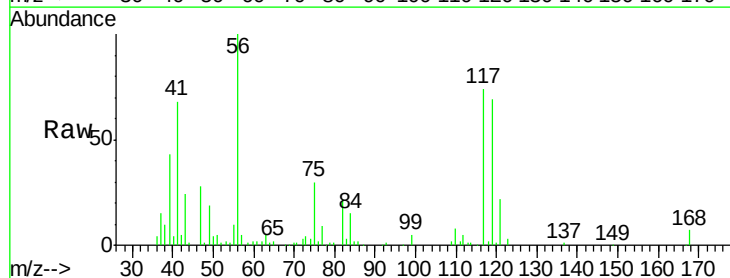
Instrument :
MSVOA_D
ClientSampleId :

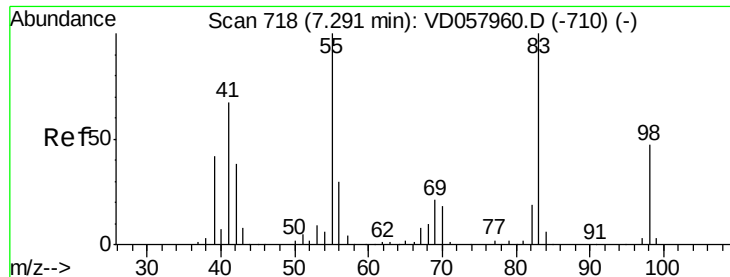
Tot Ion: 43 Resp: 140479
Ion Ratio Lower Upper
43 100
61 15.7 9.9 14.9#
70 9.2 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 22.030 ug/l
RT: 5.71 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion: 117 Resp: 262742
Ion Ratio Lower Upper
117 100
119 93.2 76.1 114.1
121 30.1 24.9 37.3

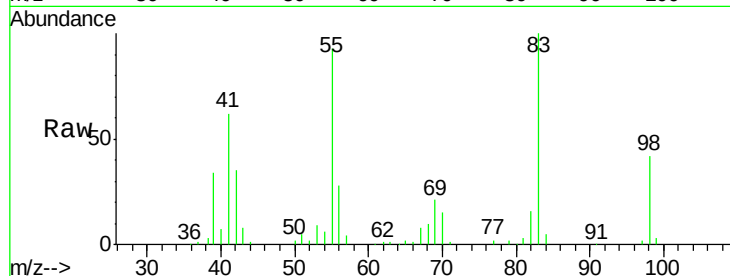




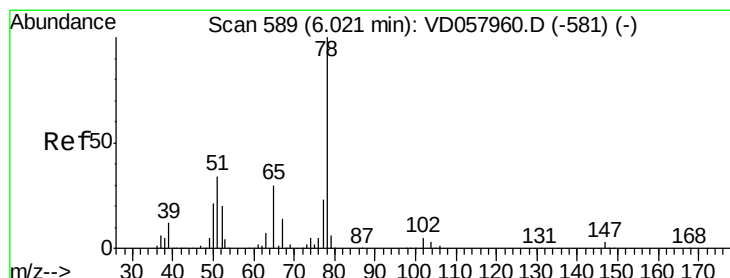
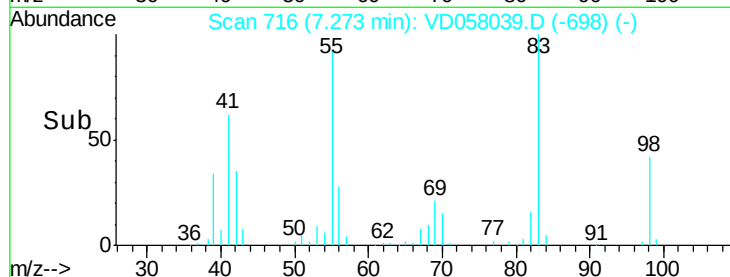
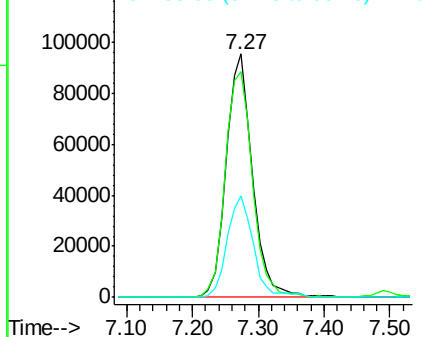
#39
Methylvlcyclohexane
Concen: 22.222 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 266578
Ion Ratio Lower Upper
83 100
55 92.8 80.3 120.5
98 41.8 38.0 57.0

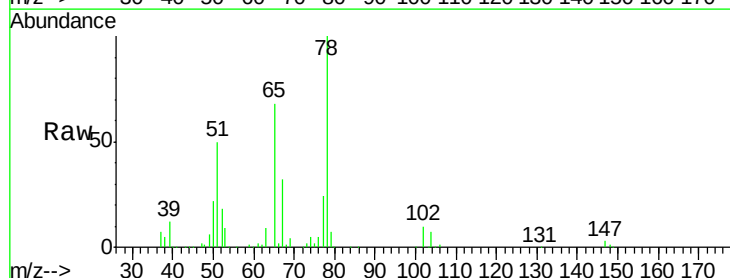


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

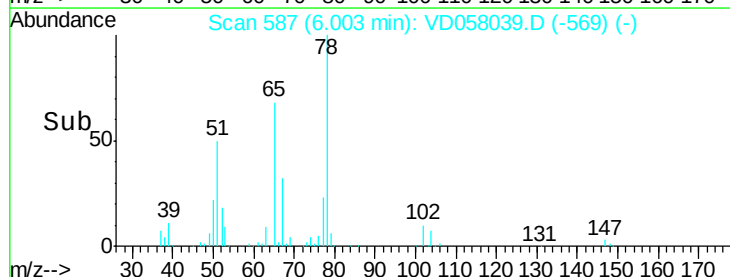
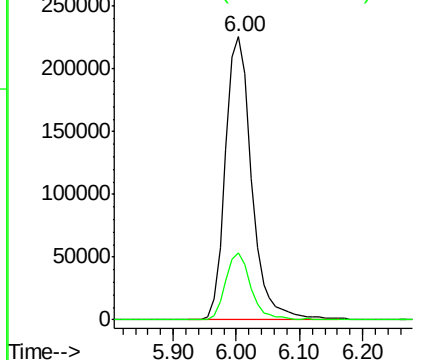


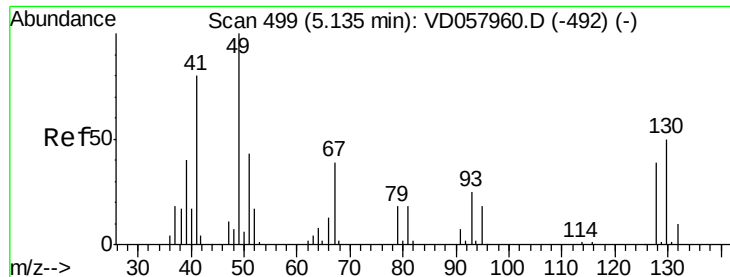
#40
Benzene
Concen: 23.056 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion: 78 Resp: 651798
Ion Ratio Lower Upper
78 100
77 23.8 18.1 27.1



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

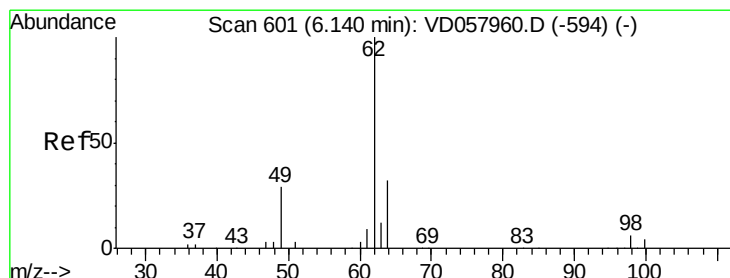
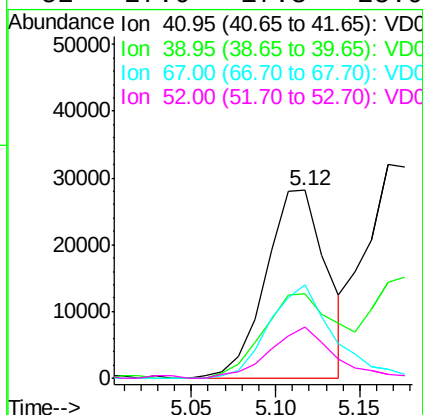
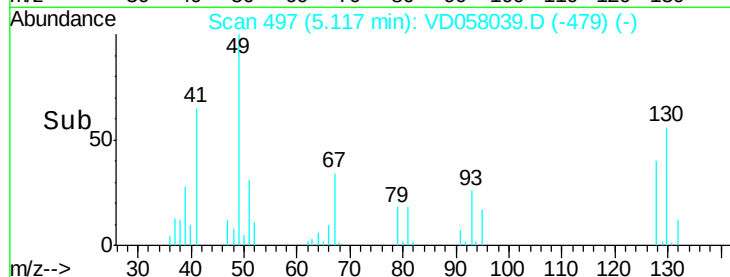
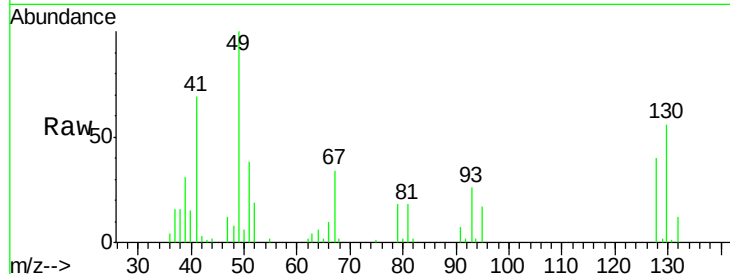




#41
Methacrylonitrile
Concen: 23.400 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

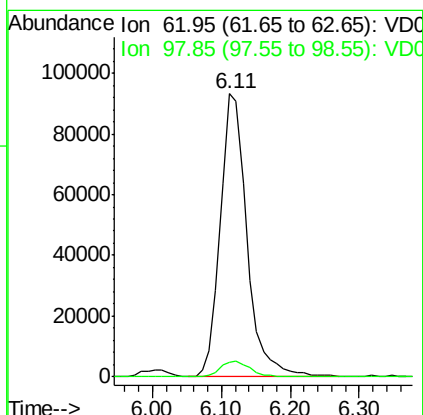
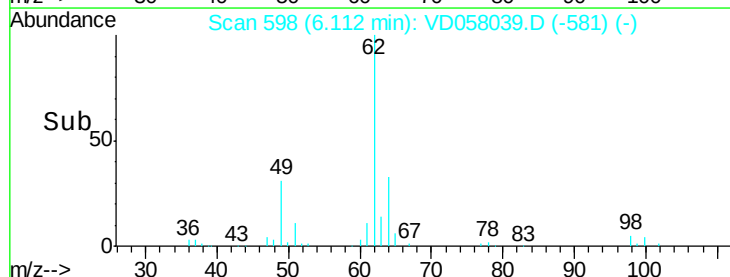
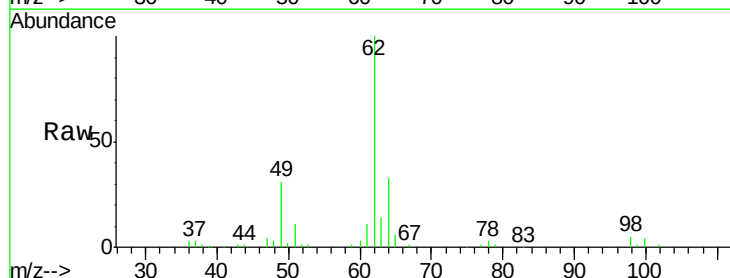
Instrument :
MSVOA_D
ClientSampled :

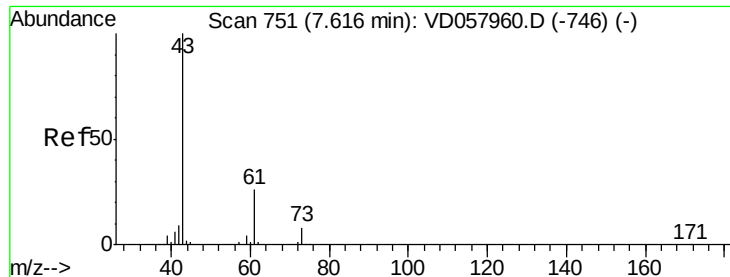
Tot Ion: 41 Resp: 70651
Ion Ratio Lower Upper
41 100
39 45.1 40.7 61.1
67 50.1 38.8 58.2
52 27.0 17.3 25.9#



#42
1,2-Dichloroethane
Concen: 22.006 ug/l
RT: 6.11 min Scan# 598
Delta R.T. -0.03 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion: 62 Resp: 251526
Ion Ratio Lower Upper
62 100
98 5.3 0.0 12.8





#43

Isopropyl Acetate

Concen: 22.655 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

ClientSampled :

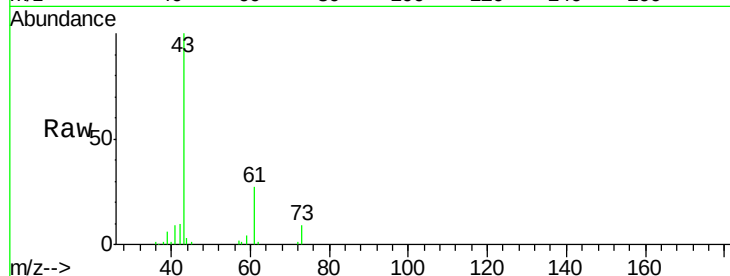
Tot Ion: 43 Resp: 195944

Ion Ratio Lower Upper

43 100

61 27.2 20.6 30.8

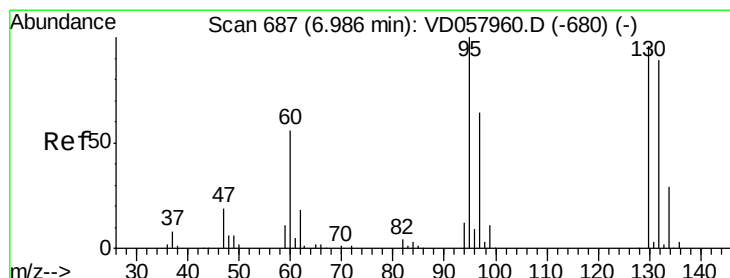
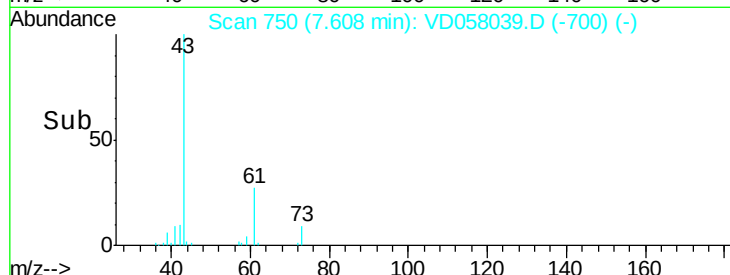
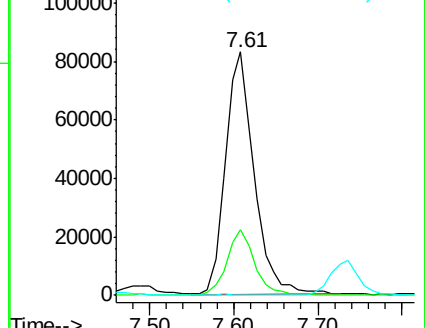
87 0.0 0.2 0.4#



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: 22.355 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.02 min

Lab File: VD058039.D

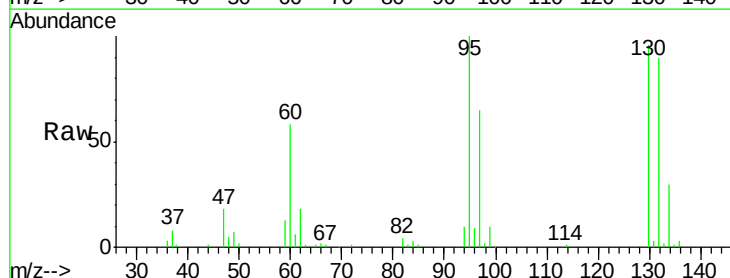
Acq: 9 Jun 2018 3:06

Tgt Ion:130 Resp: 184595

Ion Ratio Lower Upper

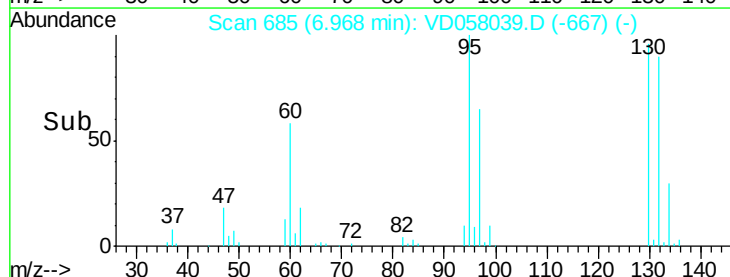
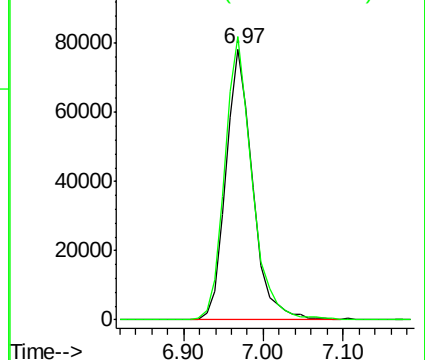
130 100

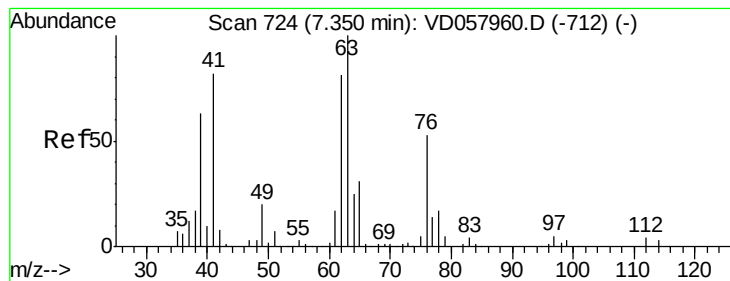
95 104.5 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.096 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

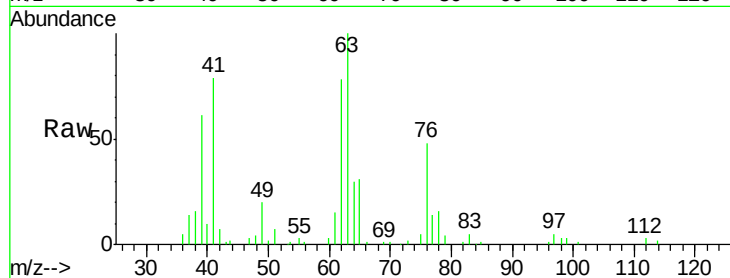
ClientSampled :

Tot Ion: 63 Resp: 173612

Ion Ratio Lower Upper

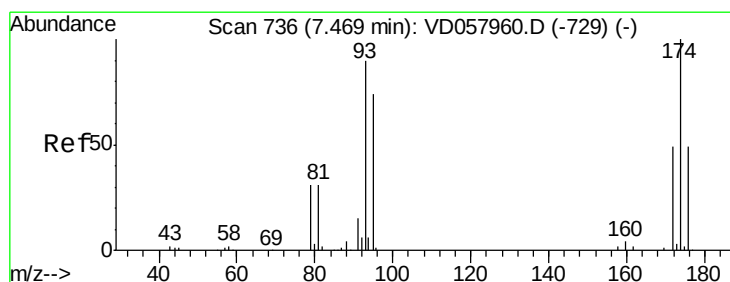
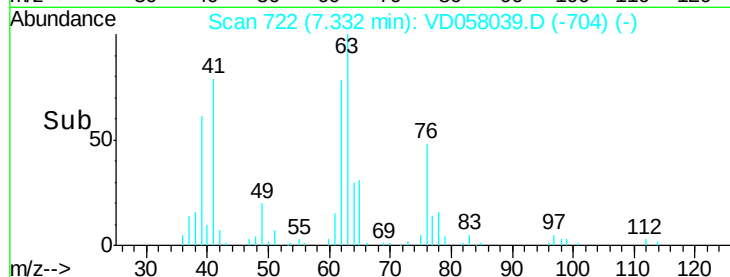
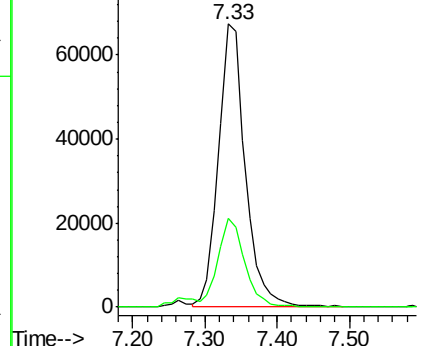
63 100

65 31.3 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: 22.874 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

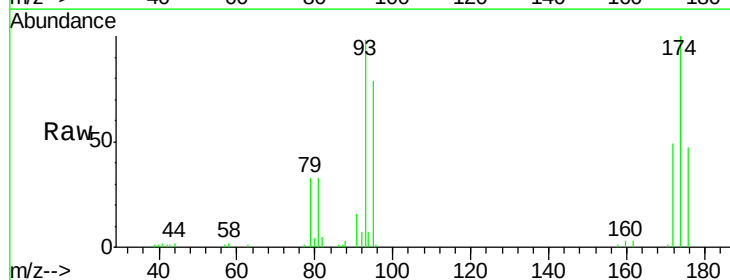
Tgt Ion: 93 Resp: 115455

Ion Ratio Lower Upper

93 100

95 81.1 65.7 98.5

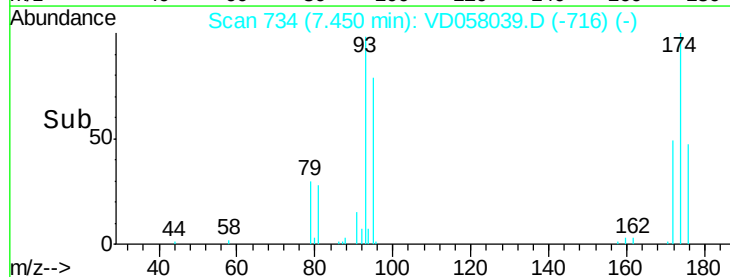
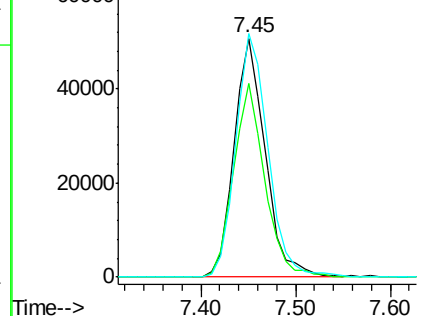
174 102.1 89.0 133.4

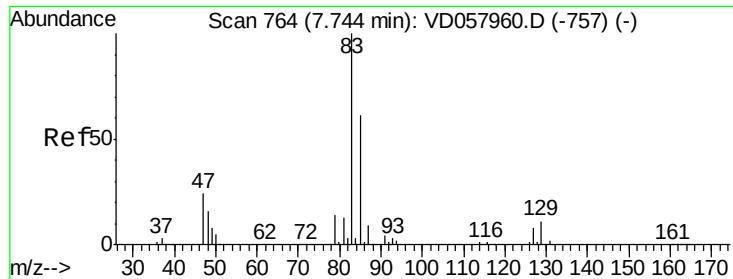


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.363 ug/l

RT: 7.73 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

ClientSampled :

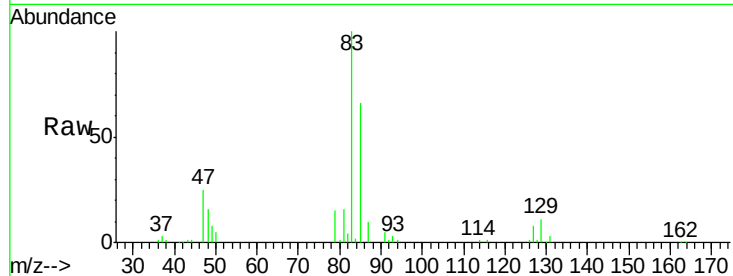
Tot Ion: 83 Resp: 264289

Ion Ratio Lower Upper

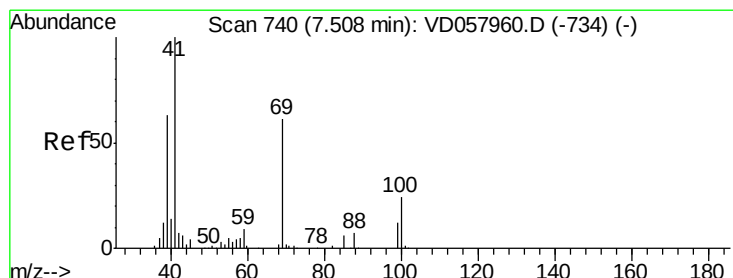
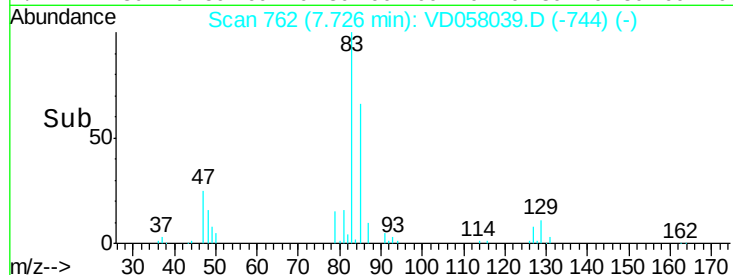
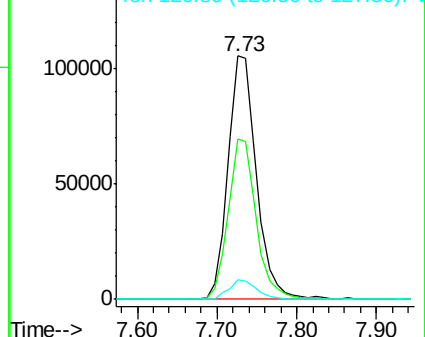
83 100

85 65.8 49.1 73.7

127 8.1 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: 21.477 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

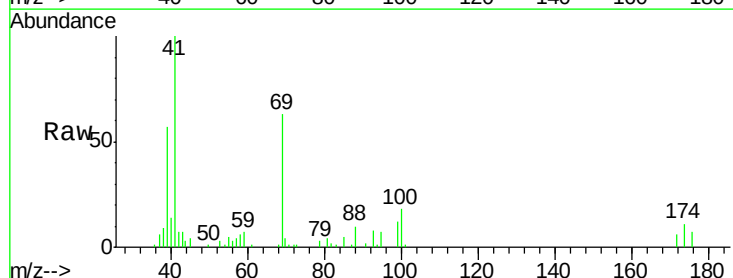
Tgt Ion: 41 Resp: 114331

Ion Ratio Lower Upper

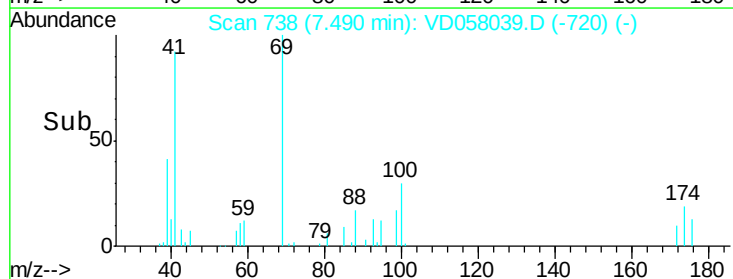
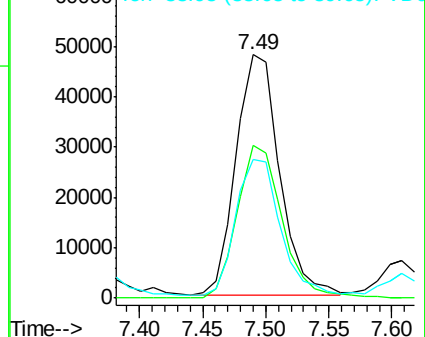
41 100

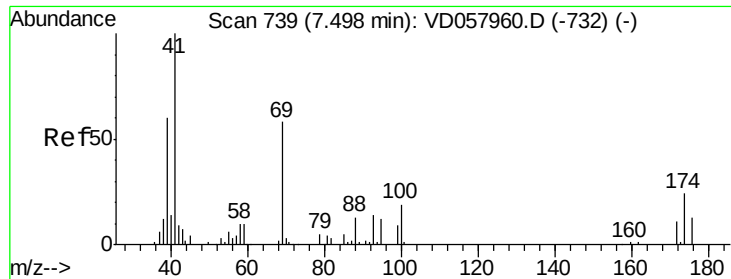
69 62.8 48.0 72.0

39 56.7 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: 389.883 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :
MSVOA_D
ClientSampleId :

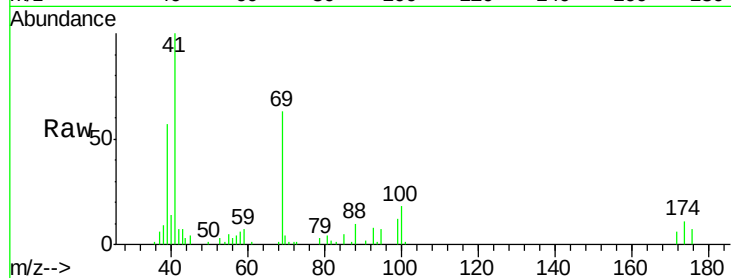
Tot Ion: 88 Resp: 17194

Ion Ratio Lower Upper

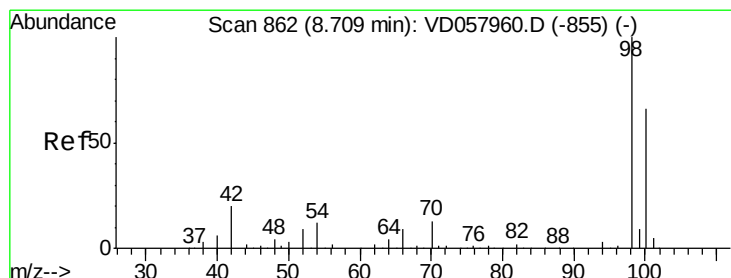
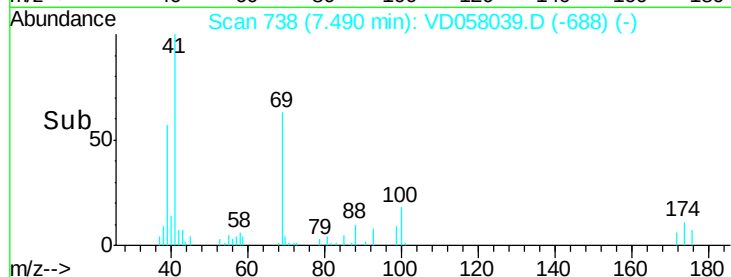
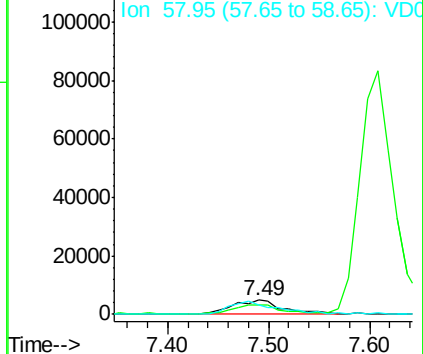
88 100

43 65.0 46.6 69.8

58 62.1 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



#50

Toluene-d8

Concen: 389.883 ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD058039.D

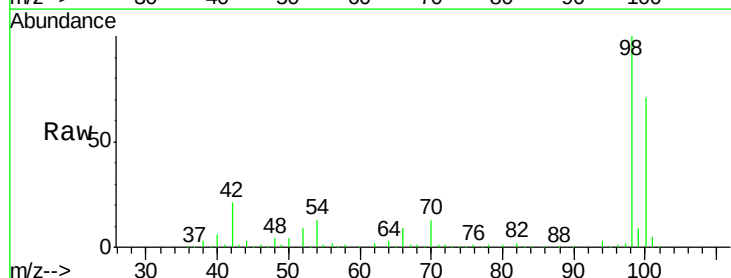
Acq: 9 Jun 2018 3:06

Tgt Ion: 98 Resp: 985154

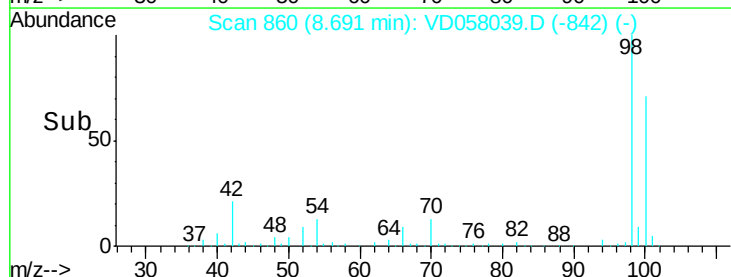
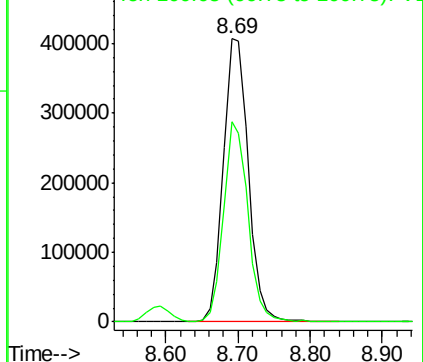
Ion Ratio Lower Upper

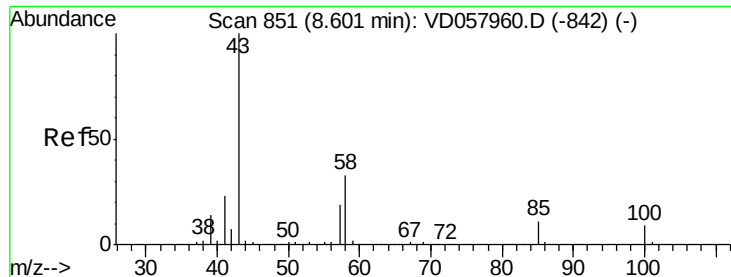
98 100

100 70.7 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 114.661 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

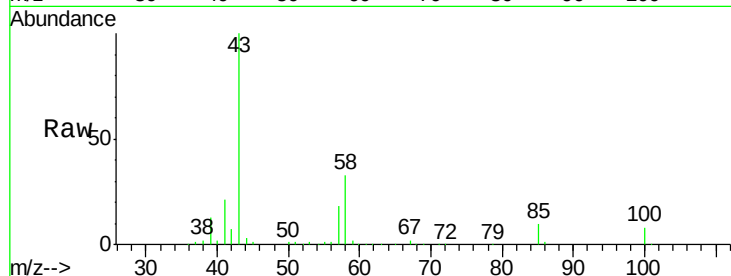
ClientSampled :

Tot Ion: 43 Resp: 636092

Ion Ratio Lower Upper

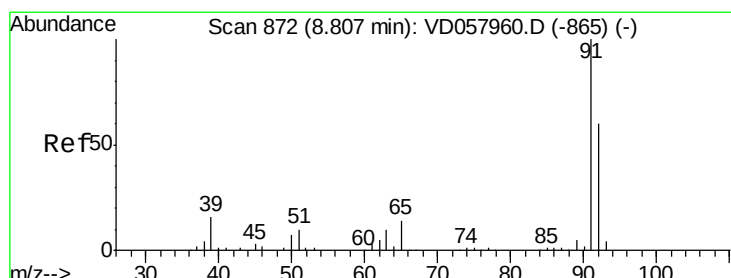
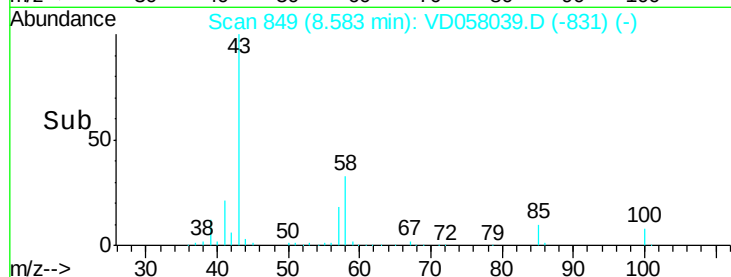
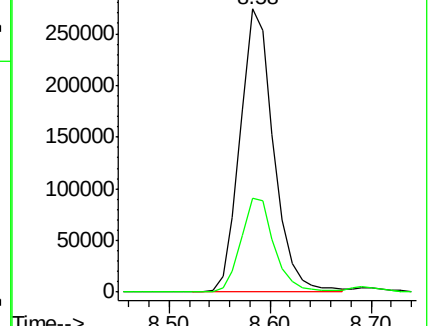
43 100

58 33.0 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.780 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD058039.D

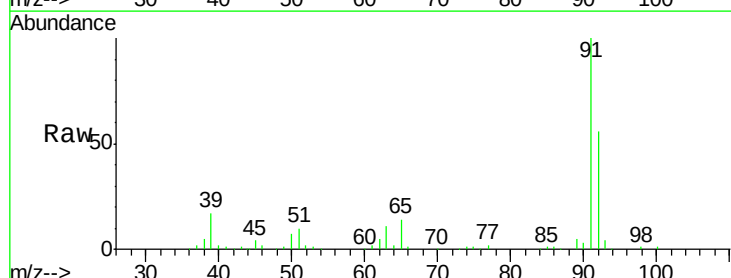
Acq: 9 Jun 2018 3:06

Tgt Ion: 92 Resp: 353372

Ion Ratio Lower Upper

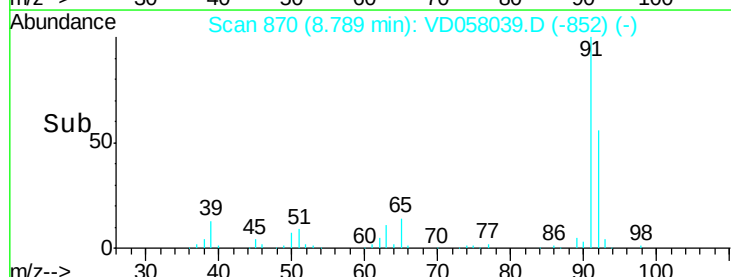
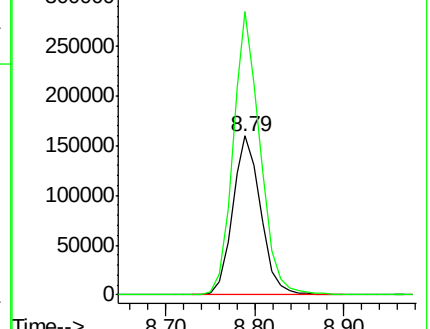
92 100

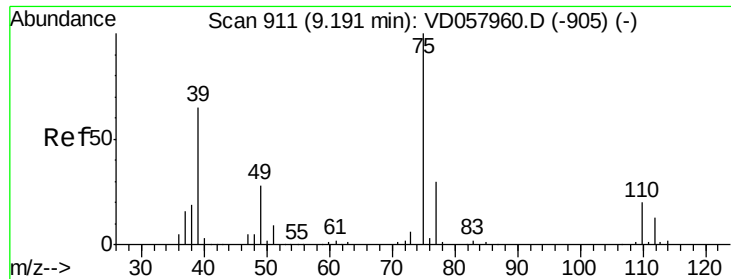
91 178.3 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

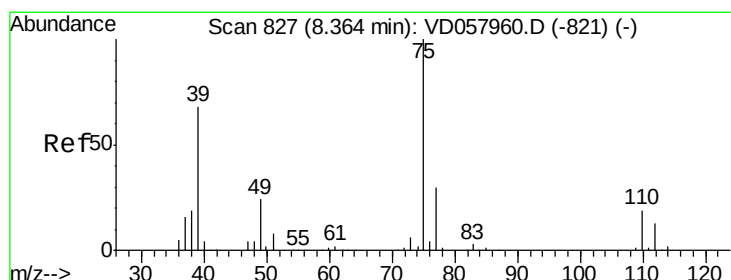
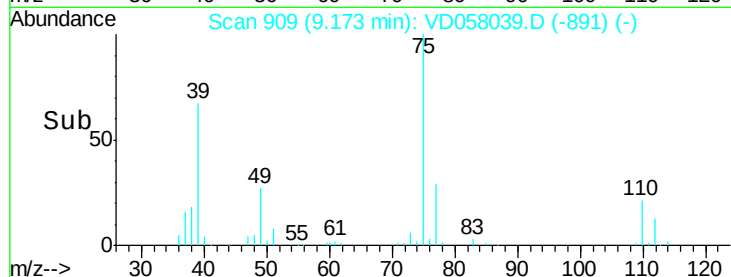
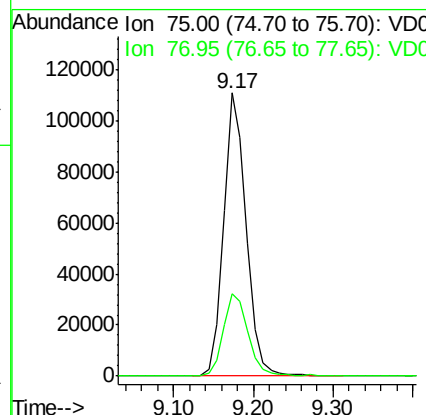
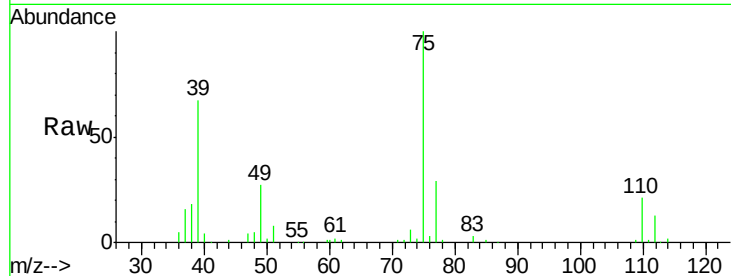




#53
 t-1,3-Dichloropropene
 Concen: 21.738 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

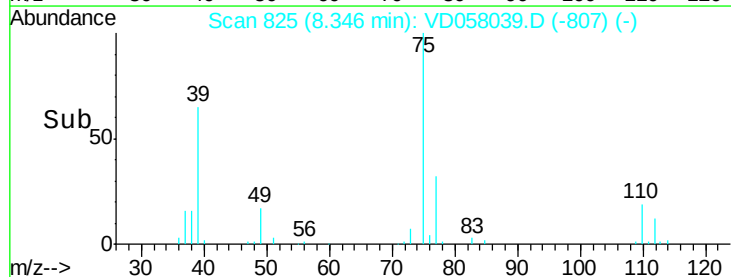
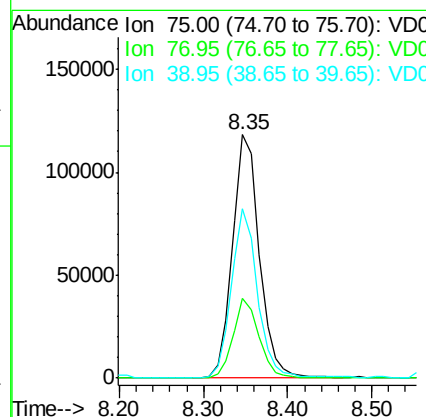
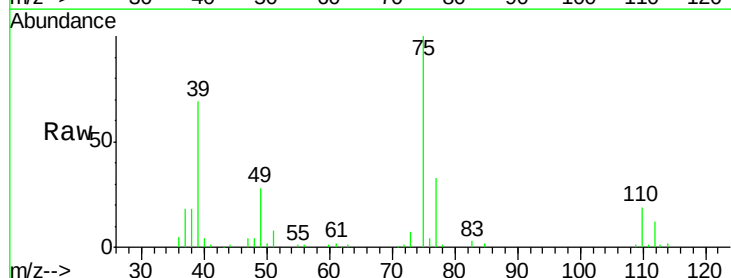
Instrument :
 MSVOA_D
 ClientSampleId :

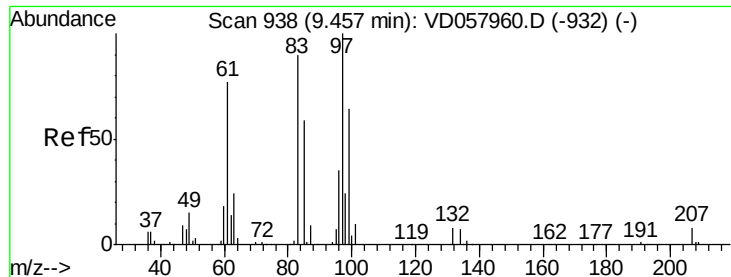
Tot Ion: 75 Resp: 221328
 Ion Ratio Lower Upper
 75 100
 77 29.1 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 21.909 ug/l
 RT: 8.35 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion: 75 Resp: 262804
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.1 36.1
 39 69.4 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 22.620 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 118776

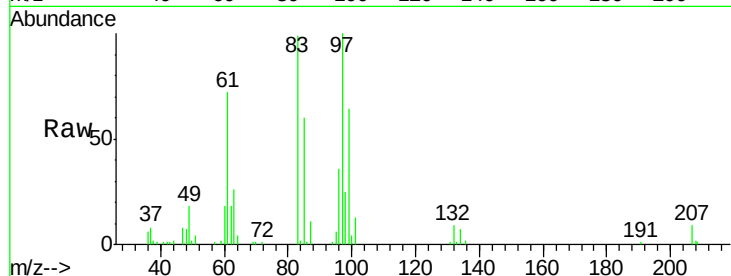
Ion Ratio Lower Upper

97 100

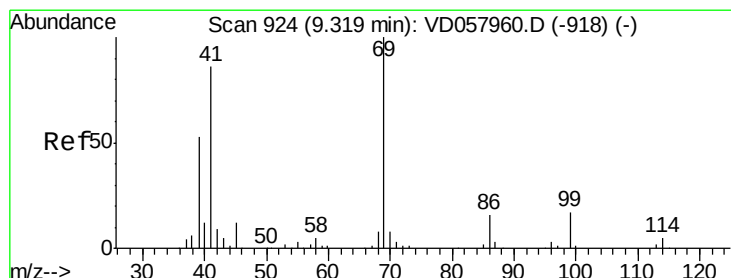
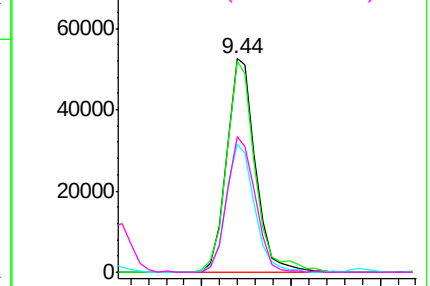
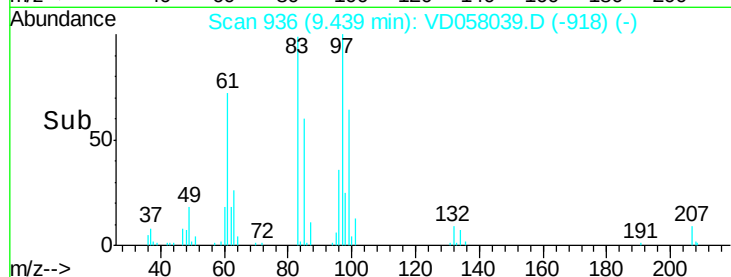
83 98.8 71.8 107.8

85 60.0 47.2 70.8

99 63.7 51.4 77.0



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 22.857 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

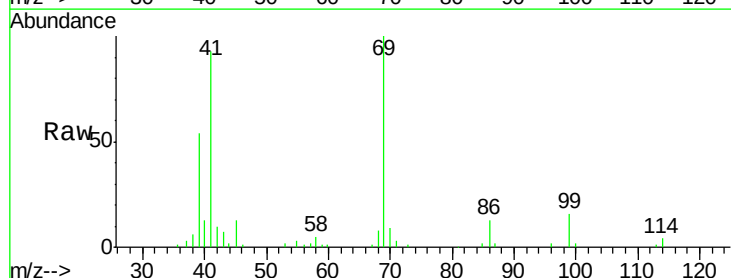
Tgt Ion: 69 Resp: 147220

Ion Ratio Lower Upper

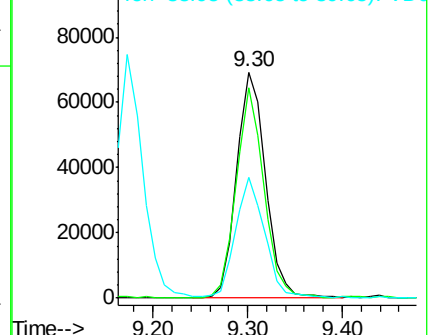
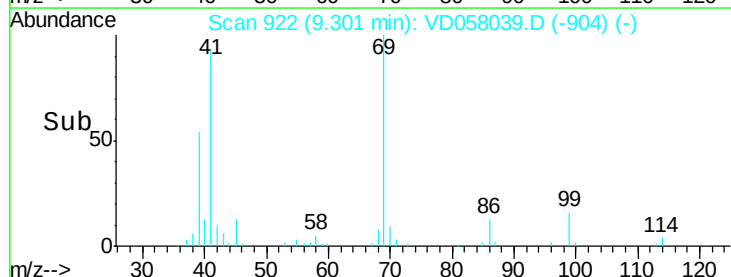
69 100

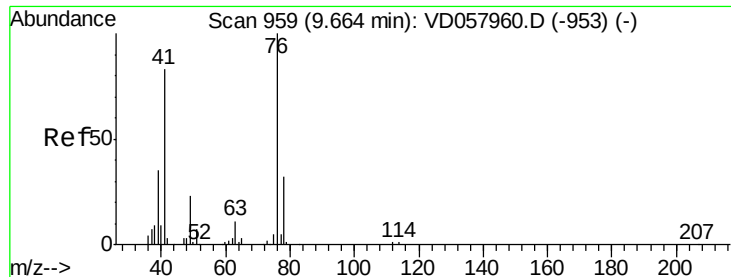
41 93.2 68.4 102.6

39 53.6 43.0 64.4



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.379 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

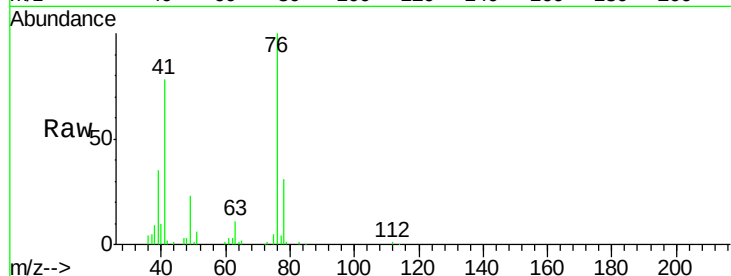
ClientSampled :

Tot Ion: 76 Resp: 206099

Ion Ratio Lower Upper

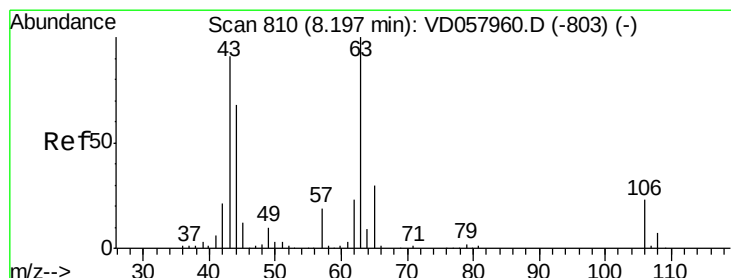
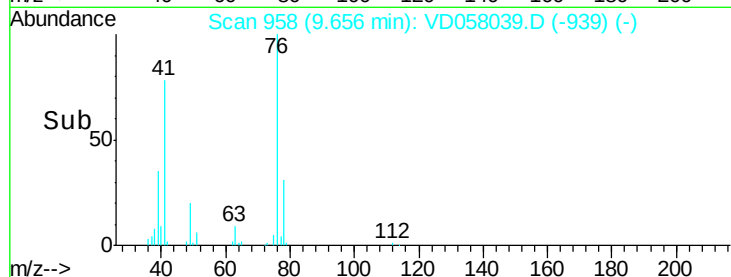
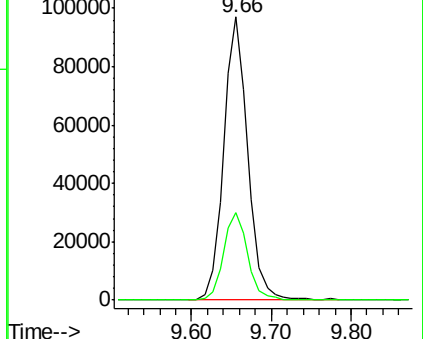
76 100

78 31.0 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: 113.921 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058039.D

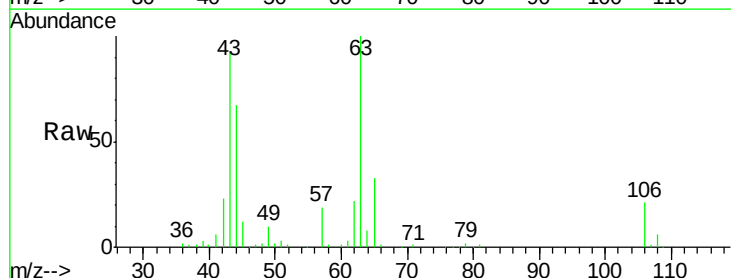
Acq: 9 Jun 2018 3:06

Tgt Ion: 63 Resp: 370720

Ion Ratio Lower Upper

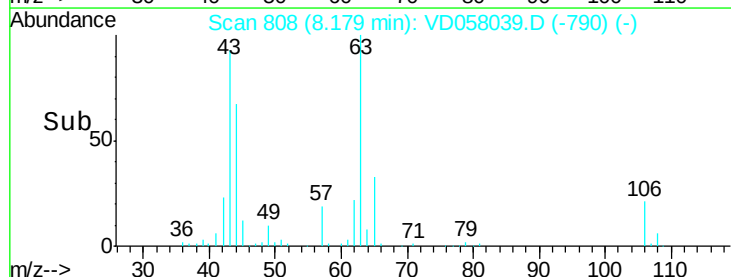
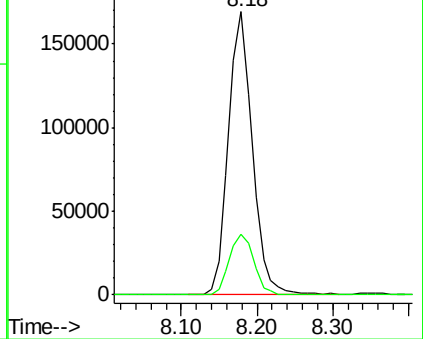
63 100

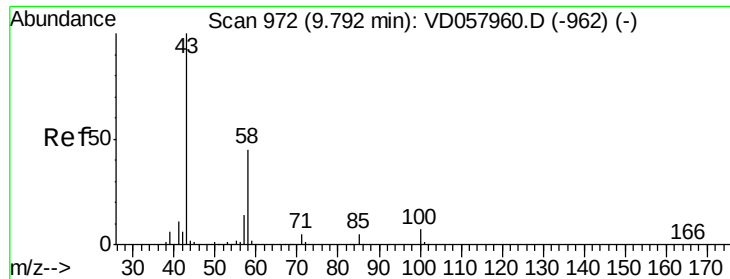
106 21.3 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

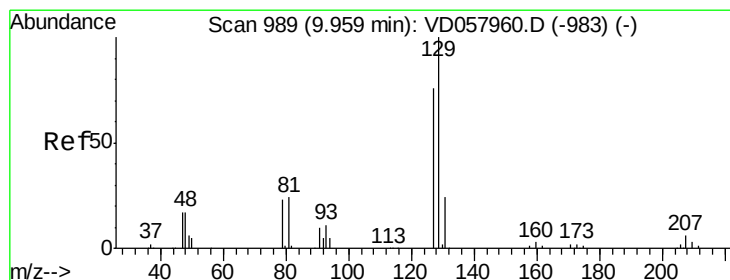
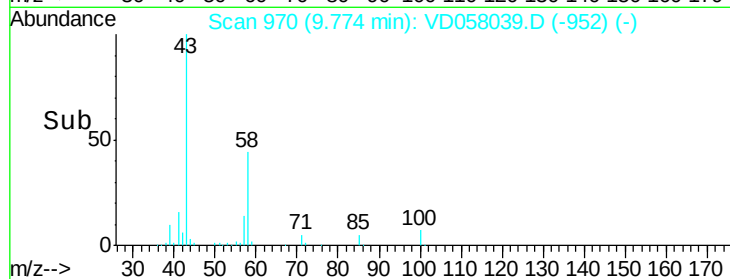
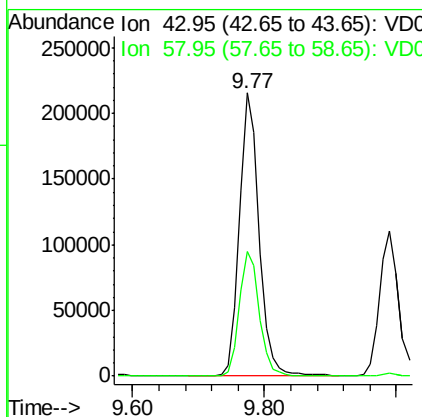
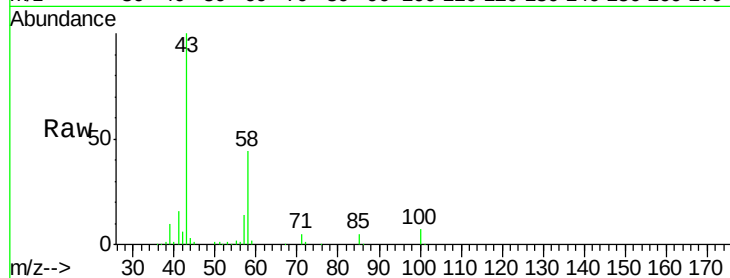




#59
2-Hexanone
Concen: 111.925 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

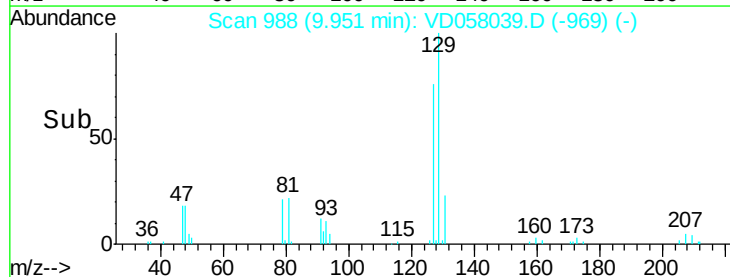
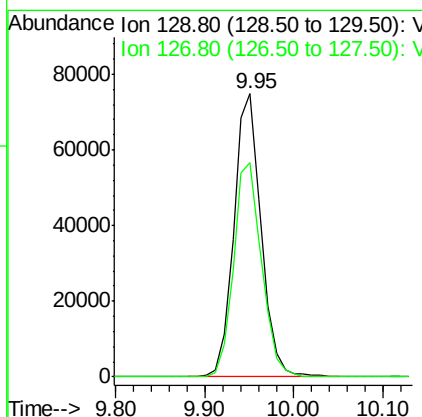
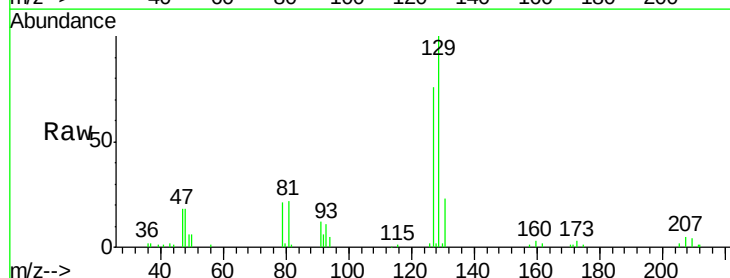
Instrument :
MSVOA_D
ClientSampleId :

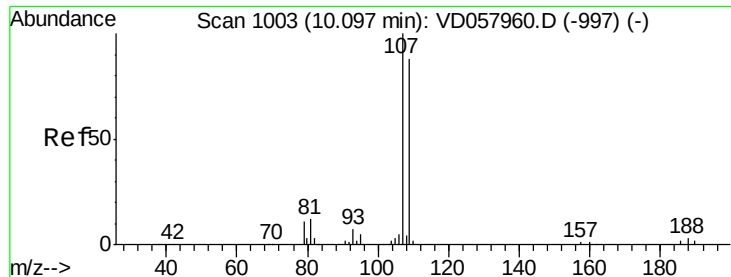
Tot Ion: 43 Resp: 455031
Ion Ratio Lower Upper
43 100
58 44.2 22.5 67.5



#60
Dibromochloromethane
Concen: 21.491 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion:129 Resp: 159129
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 22.221 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

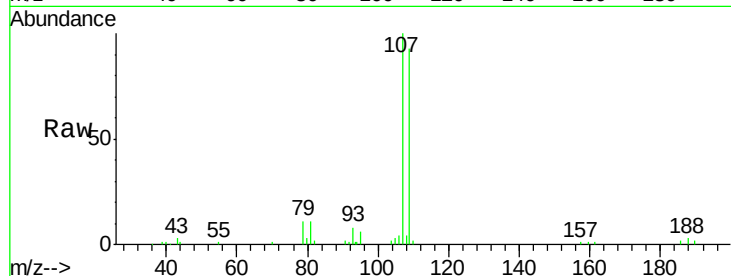
ClientSampleId :

Tot Ion: 107 Resp: 134183

Ion Ratio Lower Upper

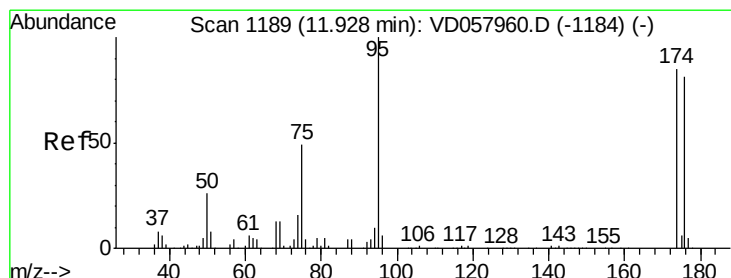
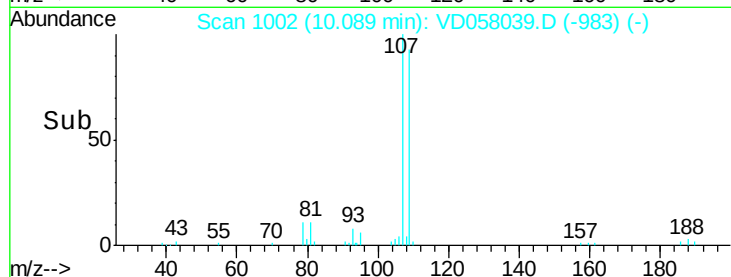
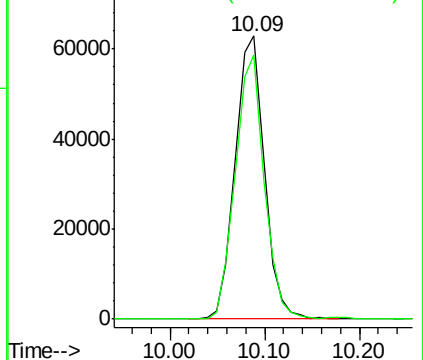
107 100

109 93.4 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.221 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

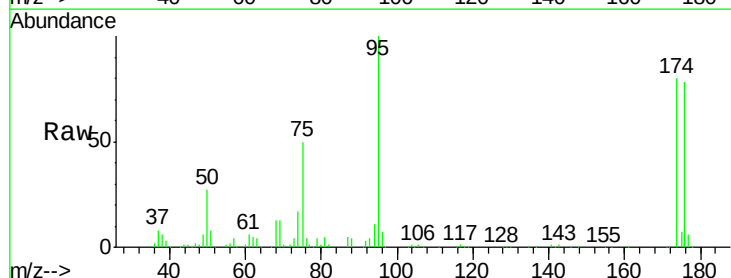
Tgt Ion: 95 Resp: 432129

Ion Ratio Lower Upper

95 100

174 80.3 0.0 169.4

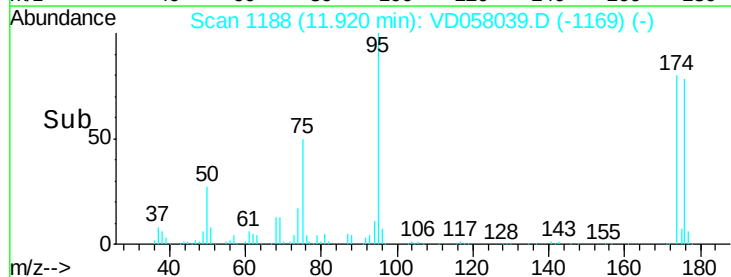
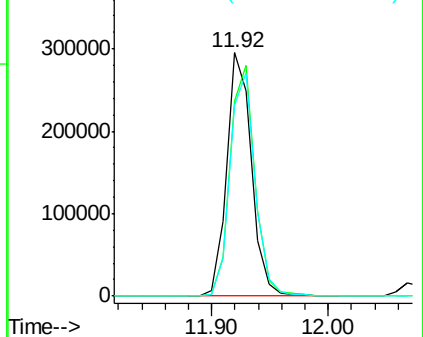
176 78.5 0.0 162.6

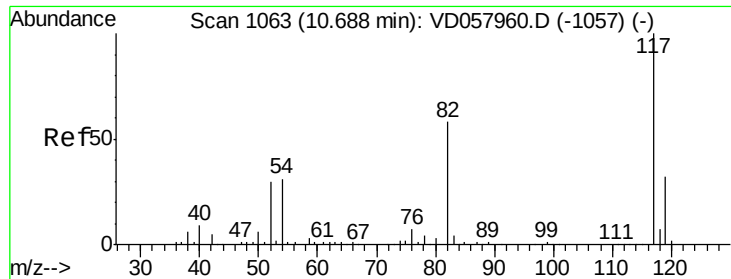


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

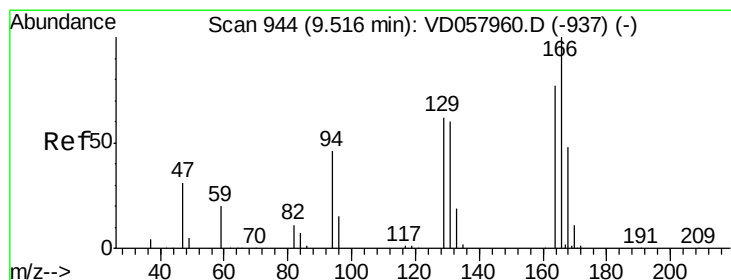
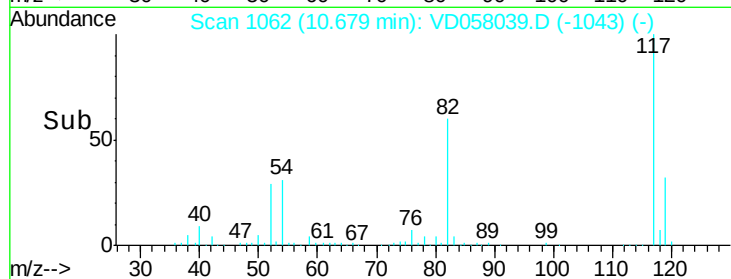
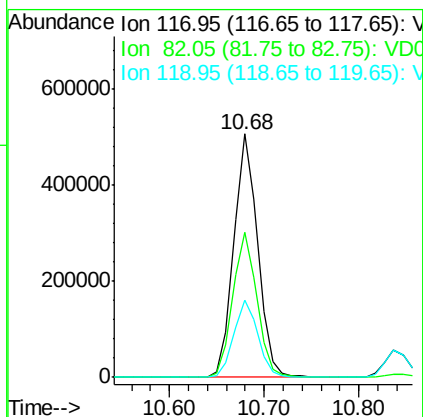
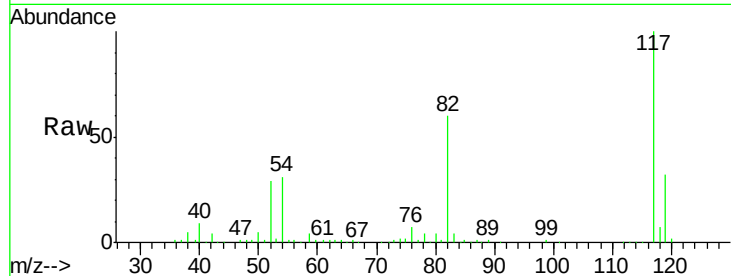




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

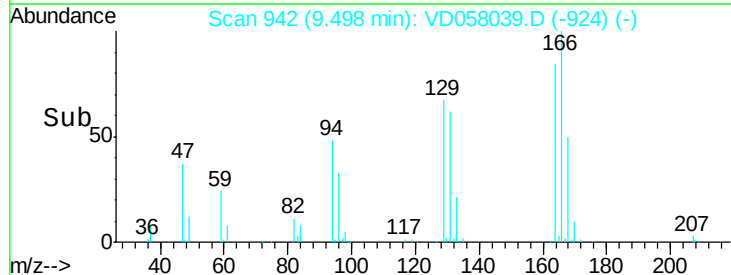
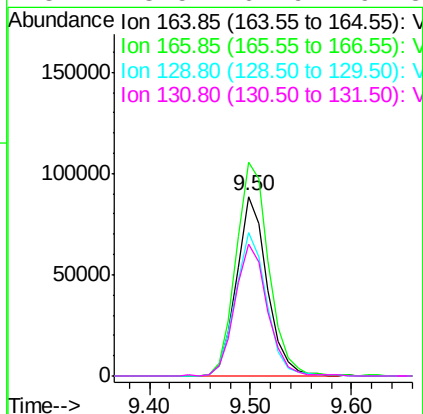
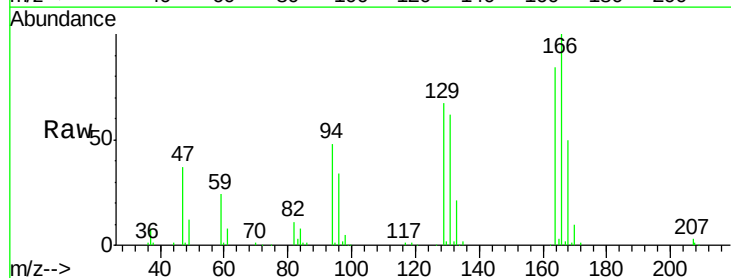
Instrument :
MSVOA_D
ClientSampleId :

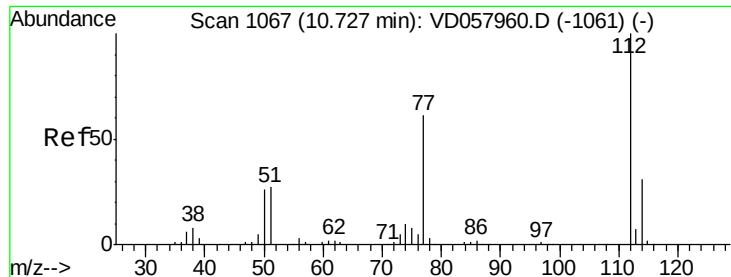
Tot Ion:117 Resp: 889679
Ion Ratio Lower Upper
117 100
82 59.8 46.8 70.2
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 23.513 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion:164 Resp: 187016
Ion Ratio Lower Upper
164 100
166 119.1 104.4 156.6
129 80.0 65.0 97.6
131 73.5 62.9 94.3

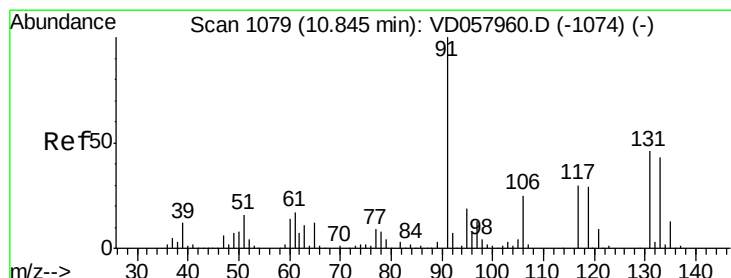
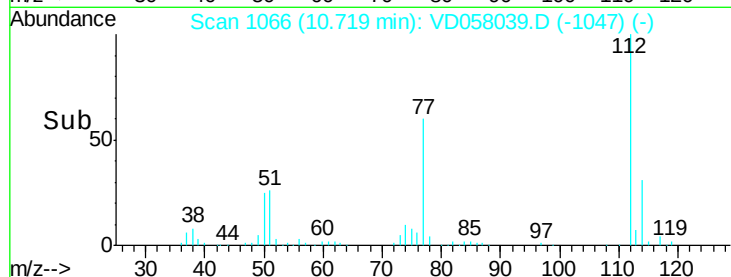
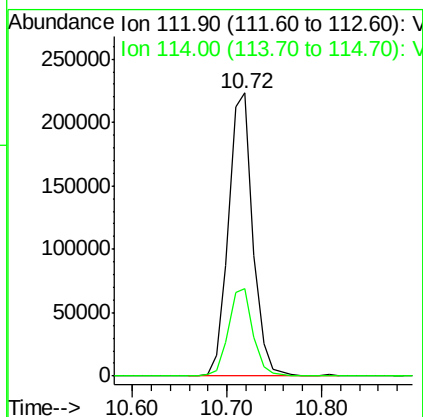
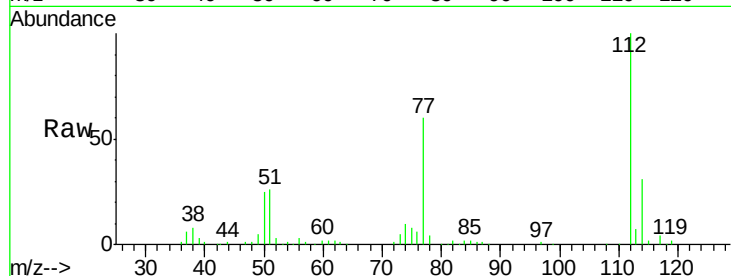




#65
Chlorobenzene
Concen: 22.093 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

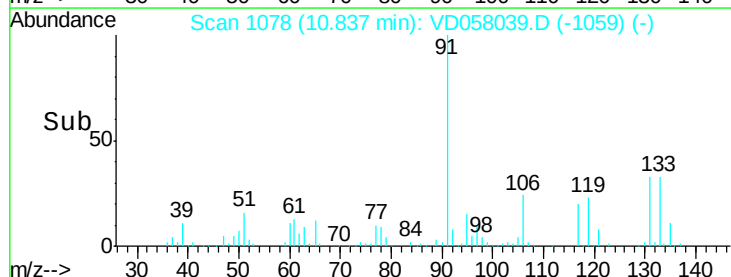
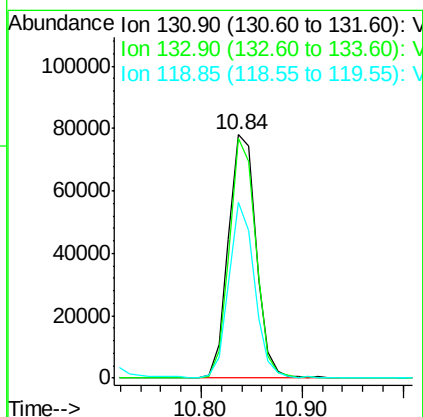
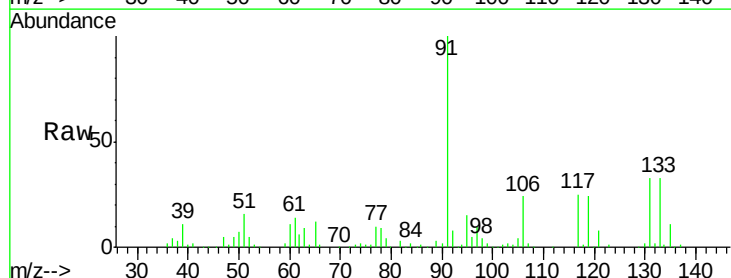
Instrument :
MSVOA_D
ClientSampleId :

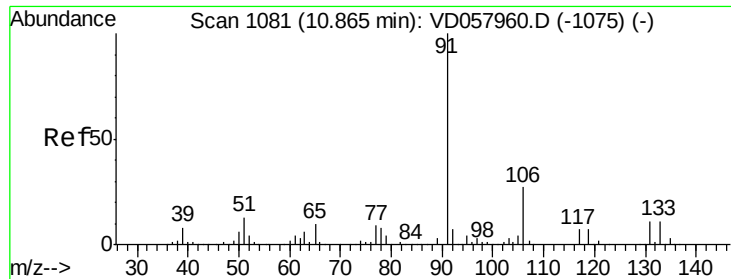
Tot Ion:112 Resp: 397922
Ion Ratio Lower Upper
112 100
114 30.7 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.532 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion:131 Resp: 148998
Ion Ratio Lower Upper
131 100
133 98.5 46.9 140.6
119 72.2 31.8 95.3

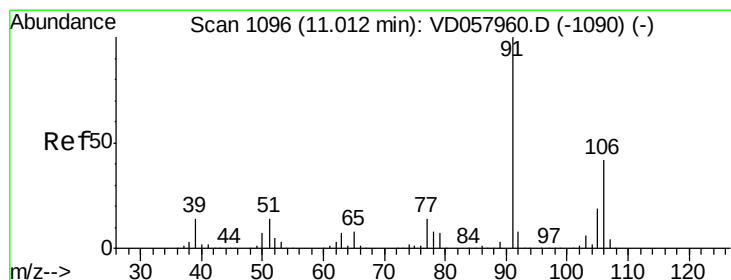
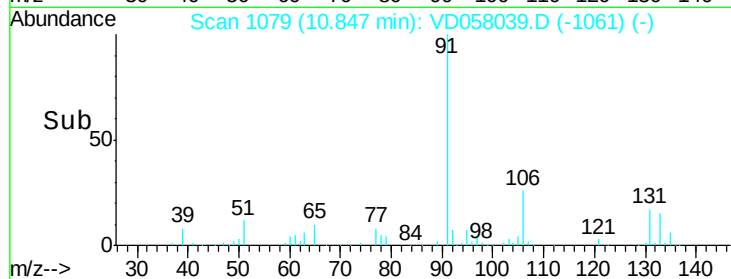
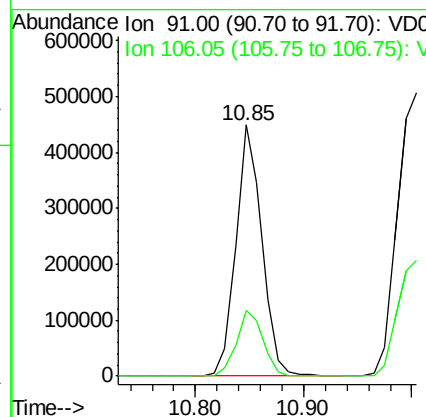
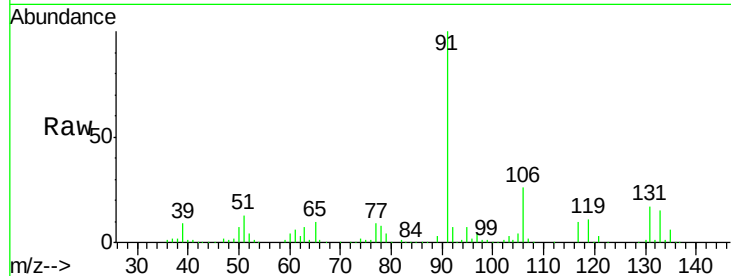




#67
Ethyl Benzene
Concen: 22.928 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

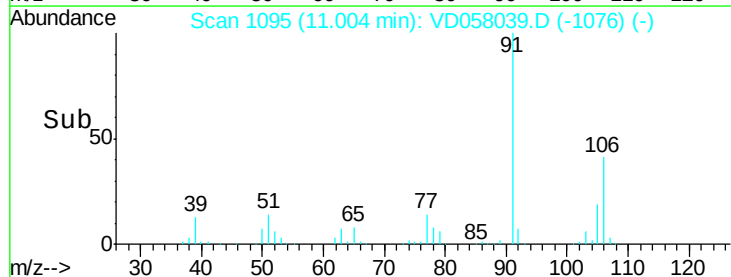
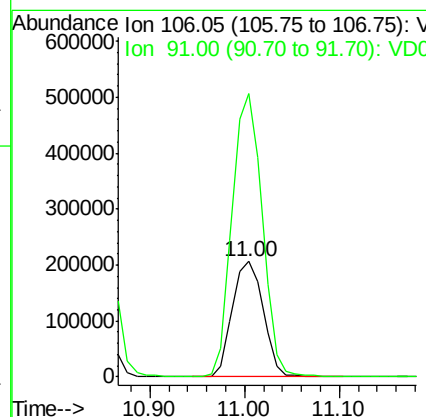
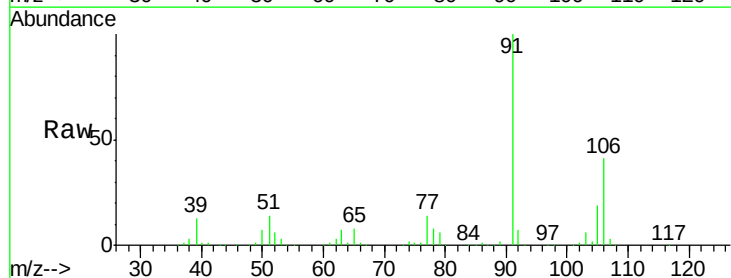
Instrument :
MSVOA_D
ClientSampled :

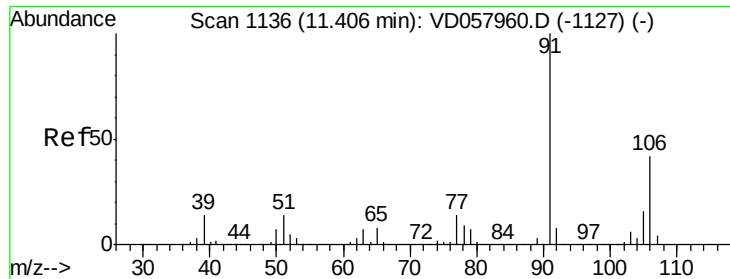
Tot Ion: 91 Resp: 746052
Ion Ratio Lower Upper
91 100
106 26.3 21.5 32.3



#68
m/p-Xylenes
Concen: 44.323 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion: 106 Resp: 470168
Ion Ratio Lower Upper
106 100
91 244.7 190.4 285.6

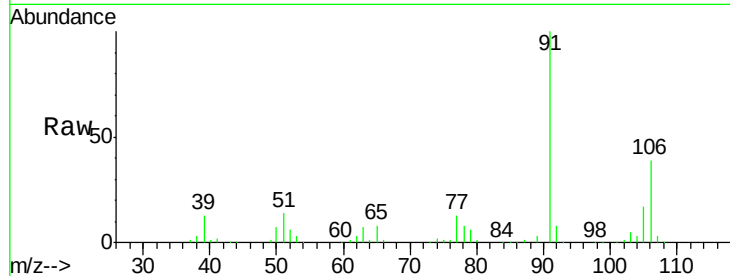




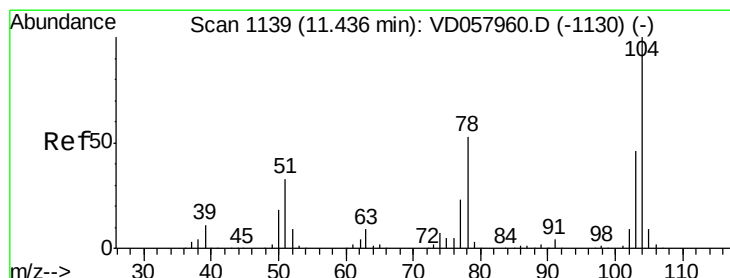
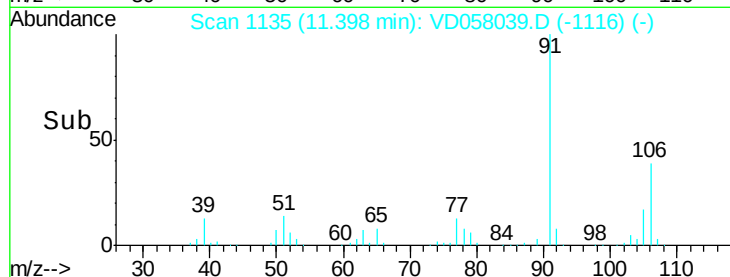
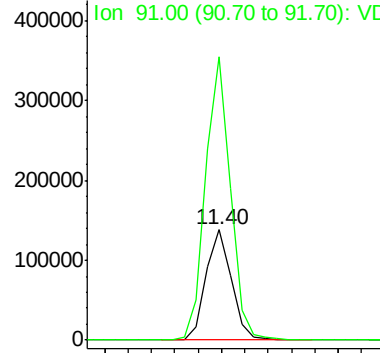
#69
o-Xylene
Concen: 19.965 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 210214
Ion Ratio Lower Upper
106 100
91 257.3 120.6 361.7

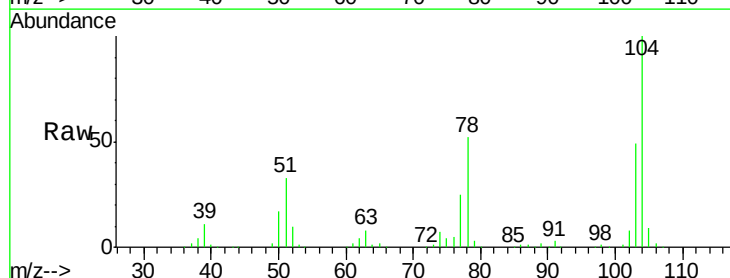


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

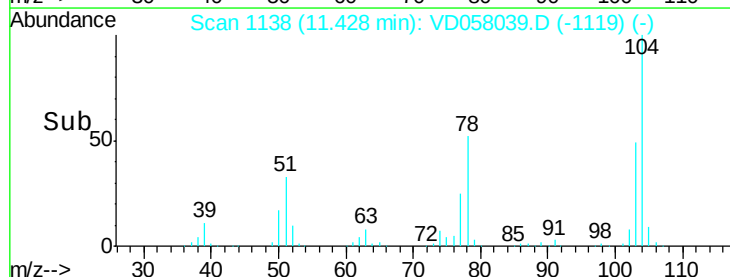
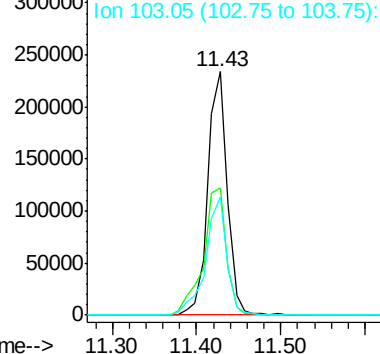


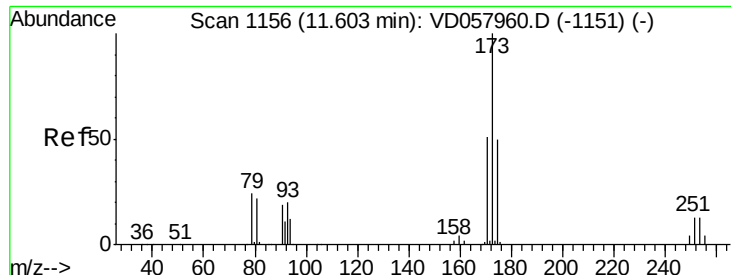
#70
Styrene
Concen: 21.447 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion:104 Resp: 373841
Ion Ratio Lower Upper
104 100
78 52.1 42.1 63.1
103 48.6 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: 20.845 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

ClientSampled :

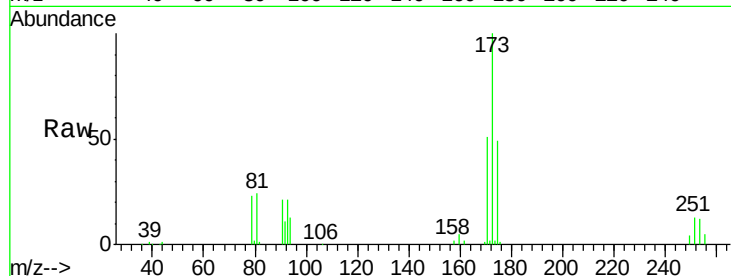
Tot Ion:173 Resp: 108509

Ion Ratio Lower Upper

173 100

175 49.0 25.1 75.2

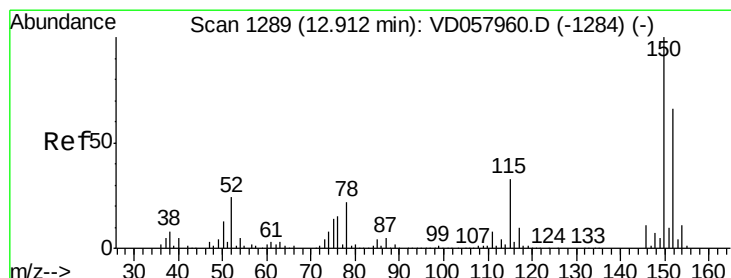
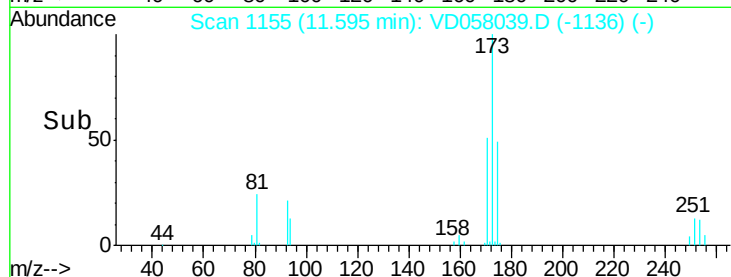
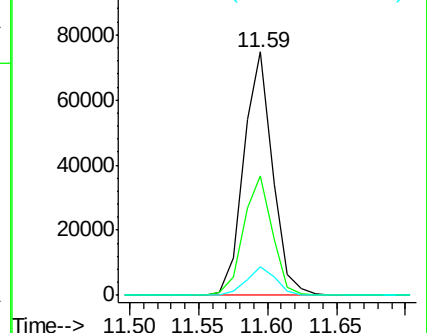
254 11.5 10.7 16.1



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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

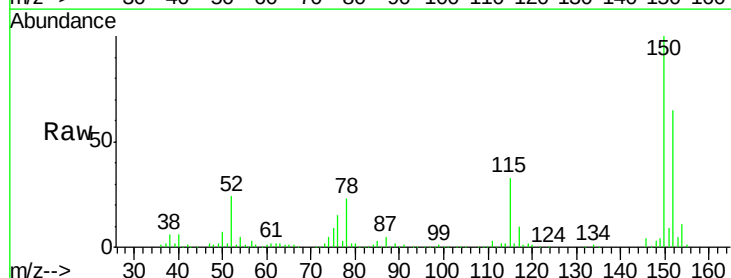
Tgt Ion:152 Resp: 466740

Ion Ratio Lower Upper

152 100

115 51.1 25.6 76.6

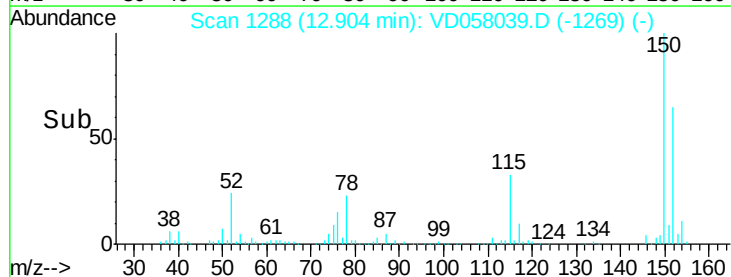
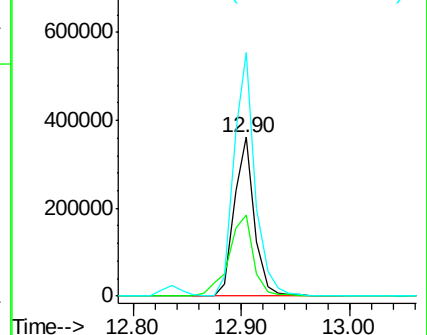
150 153.6 0.0 306.8

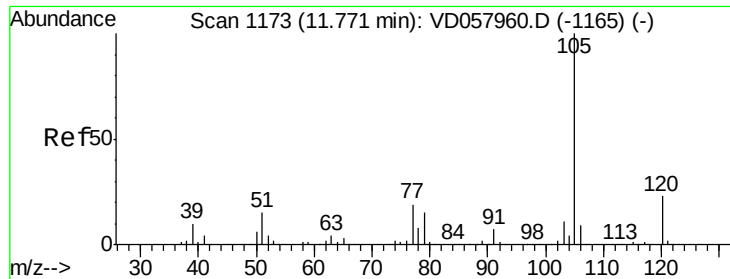


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.136 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

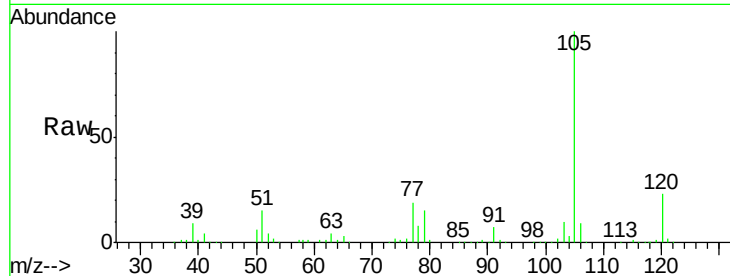
ClientSampled :

Tot Ion:105 Resp: 684322

Ion Ratio Lower Upper

105 100

120 22.7 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

500000

400000

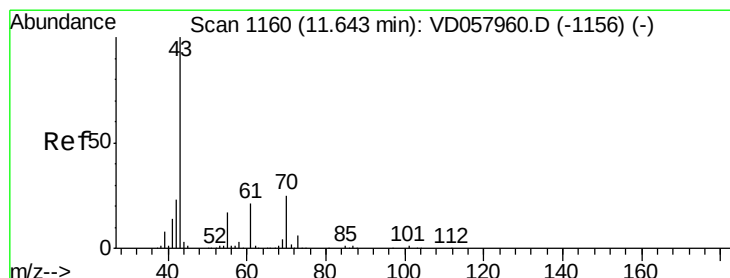
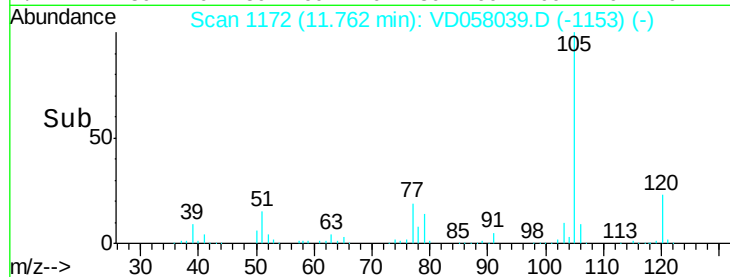
300000

200000

100000

0

Time--> 11.60 11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 20.452 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Tgt Ion: 43 Resp: 243979

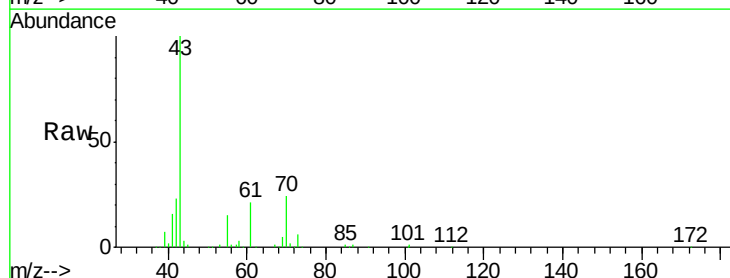
Ion Ratio Lower Upper

43 100

70 23.5 20.3 30.5

55 14.8 13.9 20.9

61 21.0 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

250000

200000

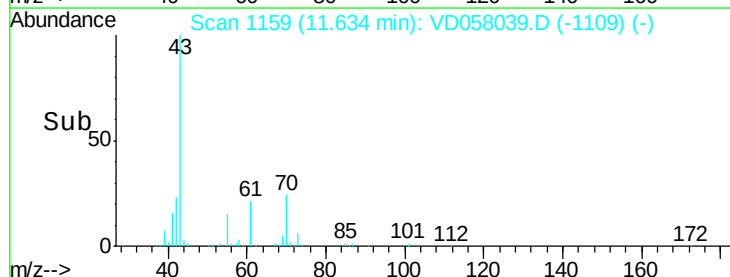
150000

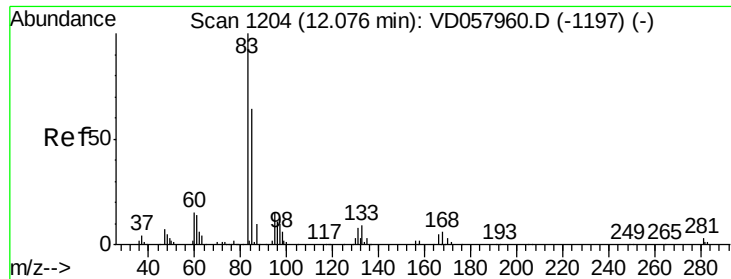
100000

50000

0

Time--> 11.50 11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 21.992 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

ClientSampleId :

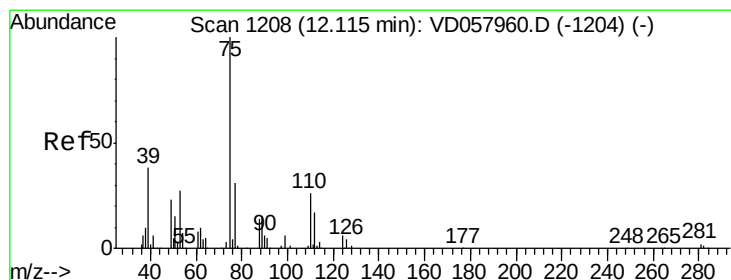
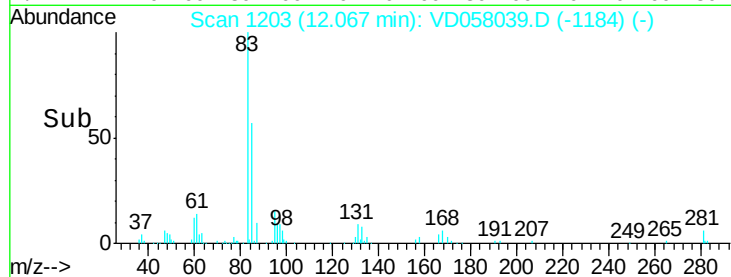
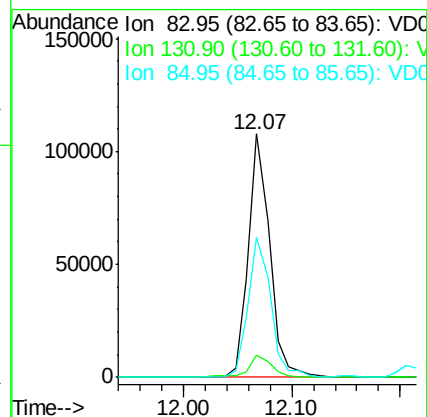
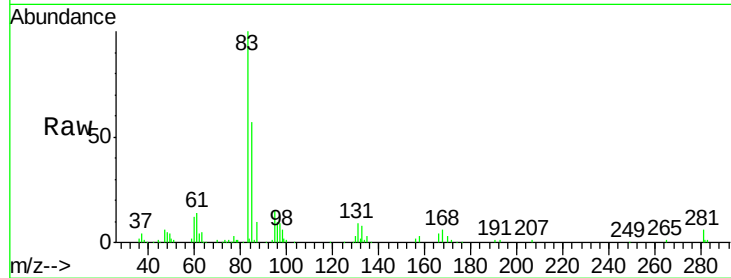
Tot Ion: 83 Resp: 148233

Ion Ratio Lower Upper

83 100

131 9.0 4.2 12.6

85 57.5 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 22.333 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058039.D

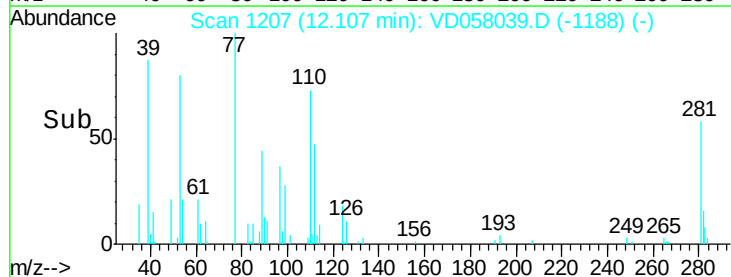
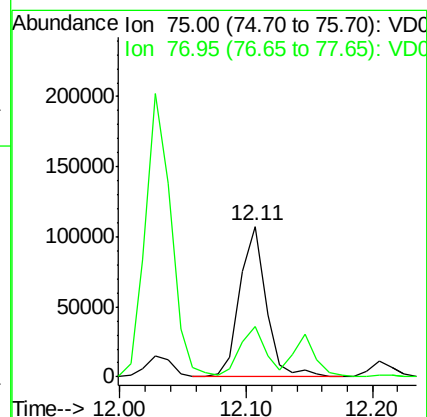
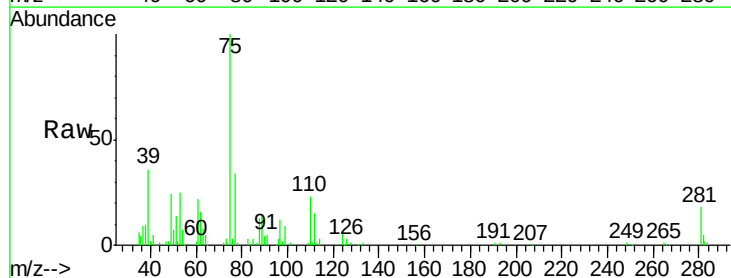
Acq: 9 Jun 2018 3:06

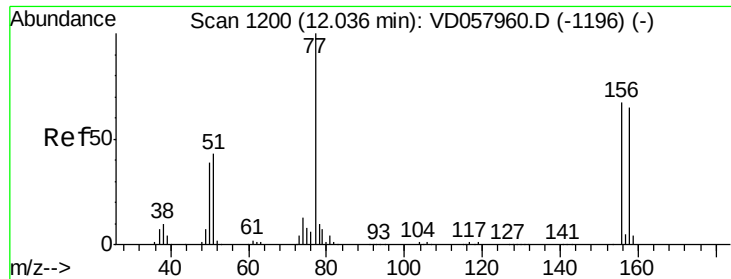
Tgt Ion: 75 Resp: 156579

Ion Ratio Lower Upper

75 100

77 33.8 16.7 50.1

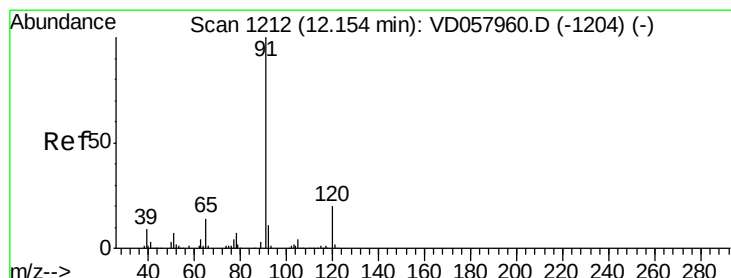
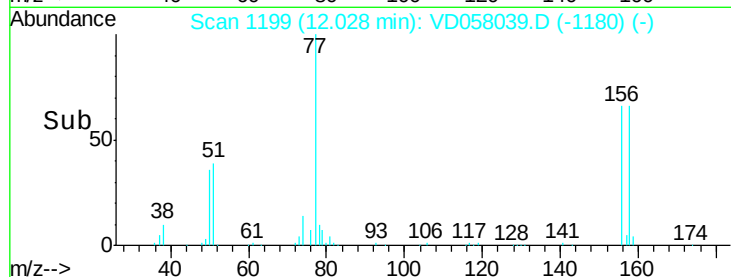
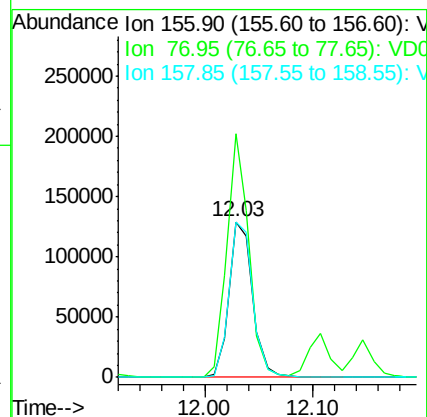
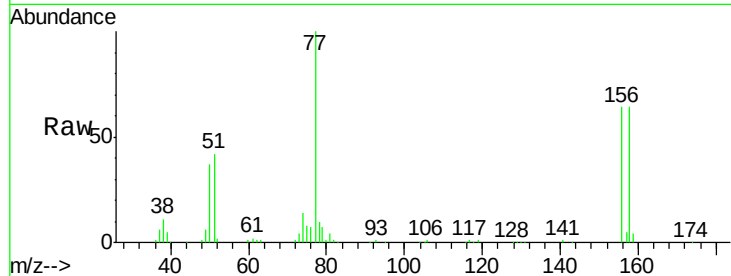




#77
Bromobenzene
Concen: 21.343 ug/l
RT: 12.03 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

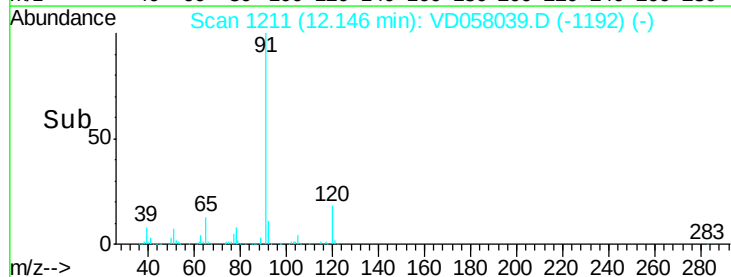
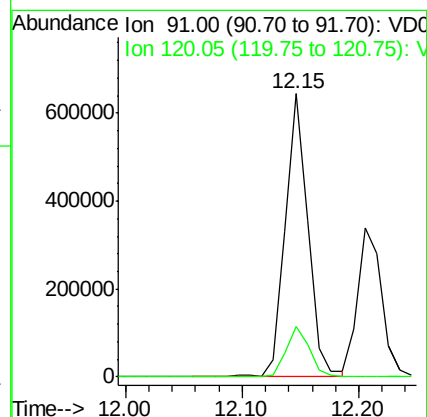
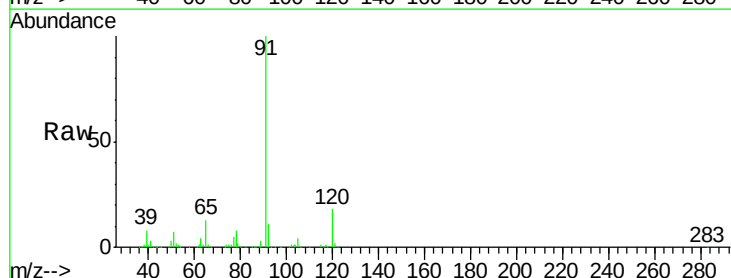
Instrument :
MSVOA_D
ClientSampleId :

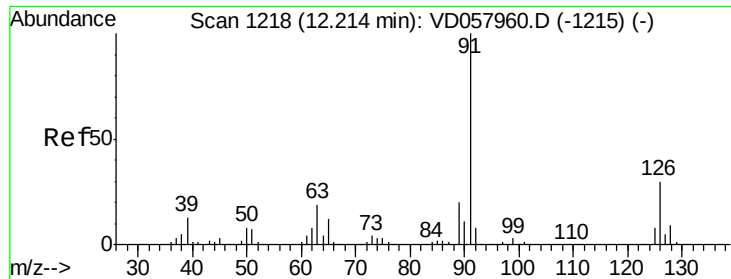
Tot Ion:156 Resp: 195307
Ion Ratio Lower Upper
156 100
77 156.1 75.0 224.8
158 99.3 48.6 145.9



#78
n-propylbenzene
Concen: 21.684 ug/l
RT: 12.15 min Scan# 1211
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion: 91 Resp: 872288
Ion Ratio Lower Upper
91 100
120 18.0 9.8 29.4

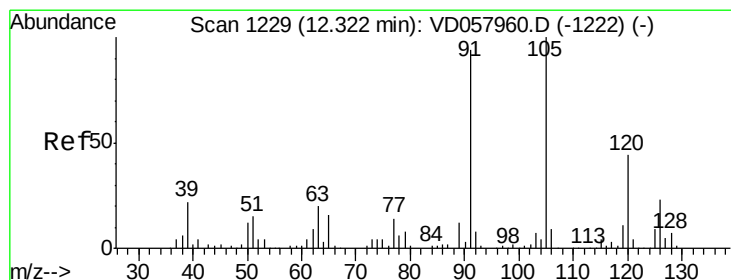
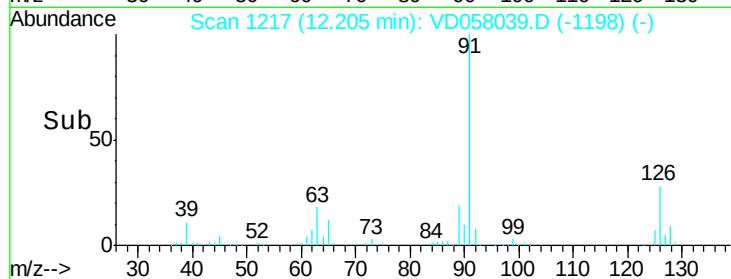
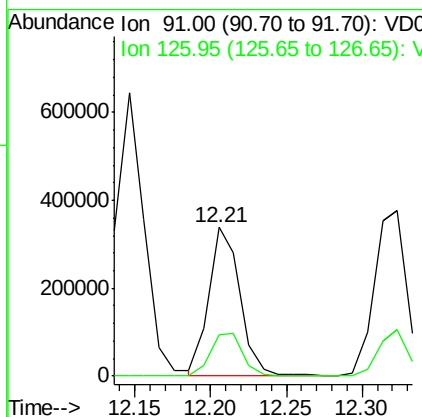
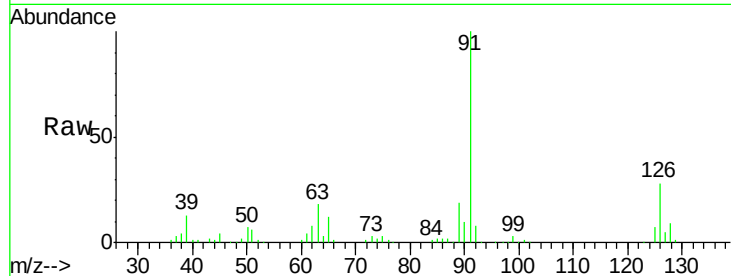




#79
 2-Chlorotoluene
 Concen: 21.050 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

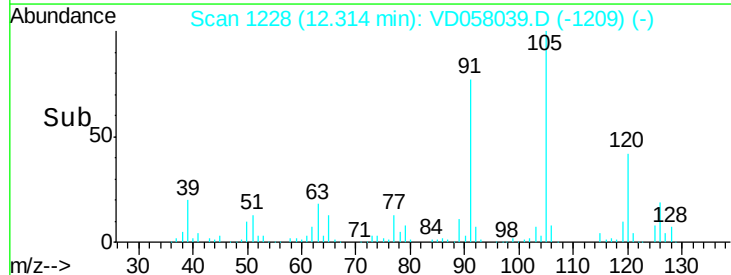
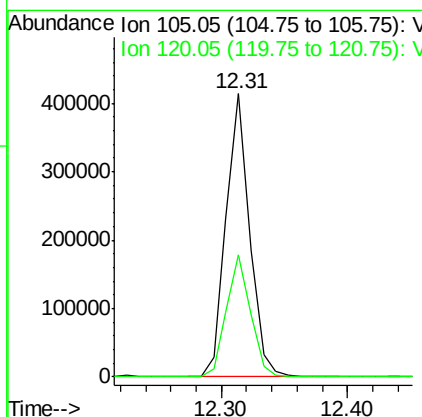
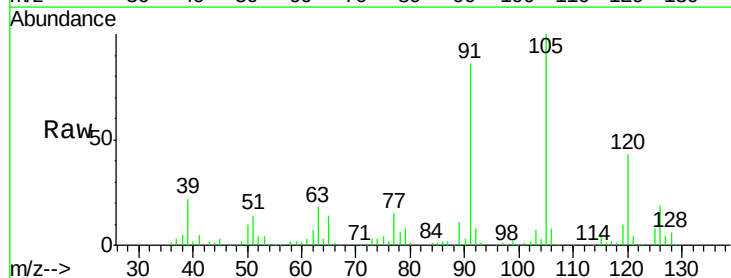
Instrument :
 MSVOA_D
 ClientSampleId :

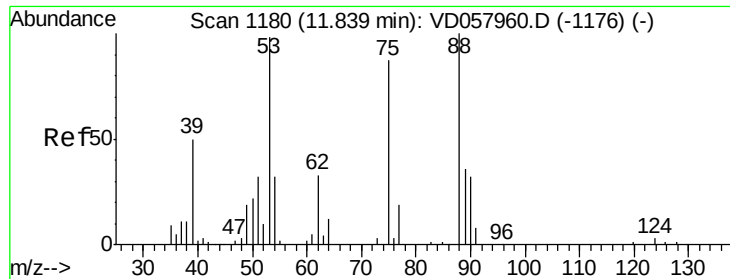
Tot Ion: 91 Resp: 483086
 Ion Ratio Lower Upper
 91 100
 126 27.9 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.149 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion: 105 Resp: 533998
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.0 66.0

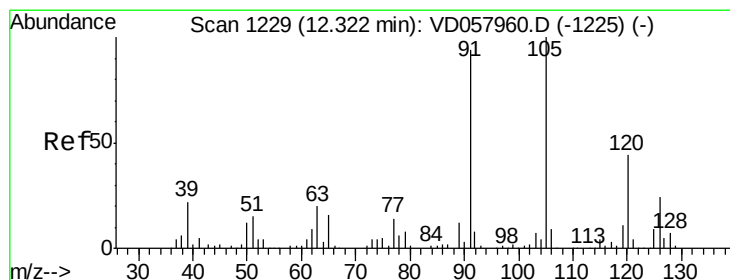
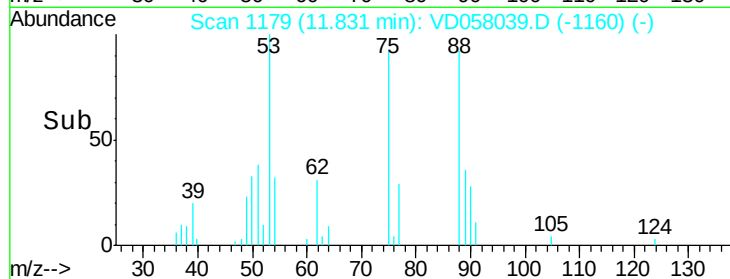
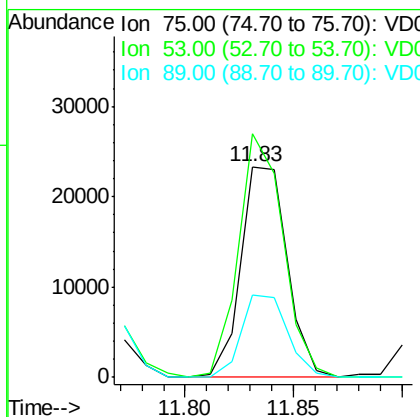
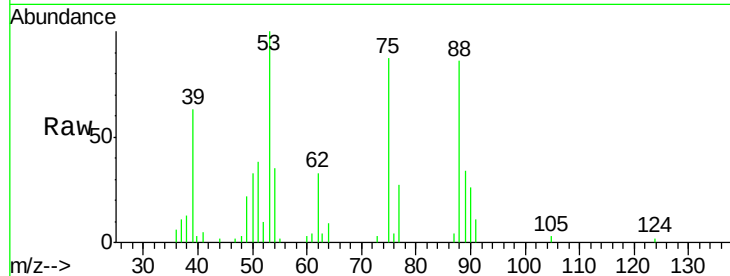




#81
trans-1,4-Dichloro-2-butene
Concen: 19.985 ug/l
RT: 11.83 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

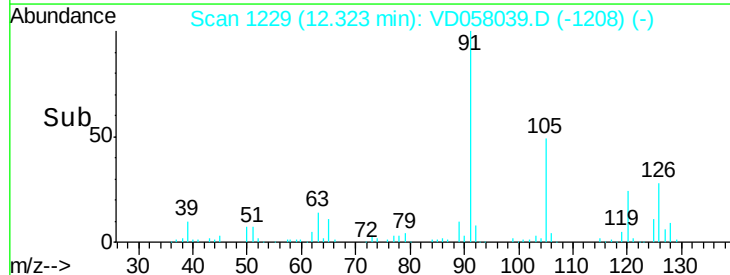
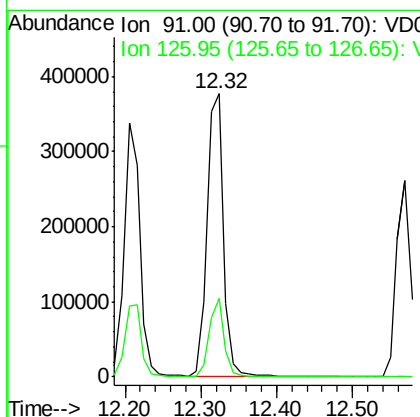
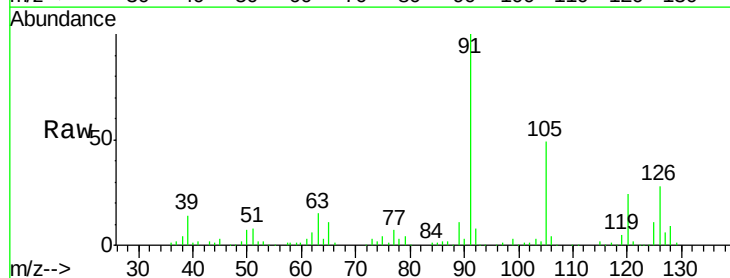
Instrument :
MSVOA_D
ClientSampleId :

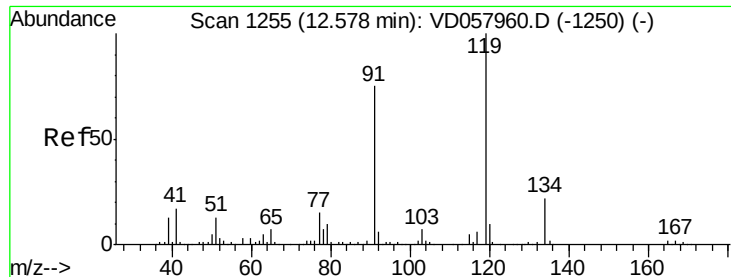
Tot Ion: 75 Resp: 34704
Ion Ratio Lower Upper
75 100
53 115.6 89.3 133.9
89 39.3 33.3 49.9



#82
4-Chlorotoluene
Concen: 23.885 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion: 91 Resp: 570172
Ion Ratio Lower Upper
91 100
126 27.9 12.5 37.5

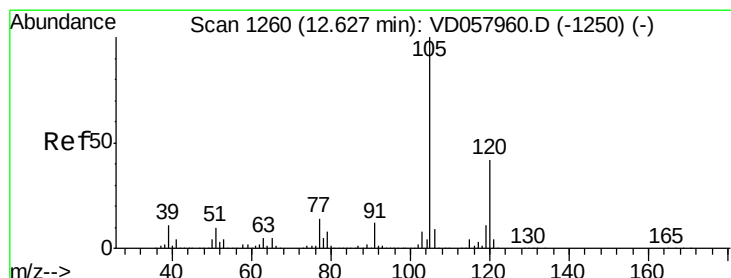
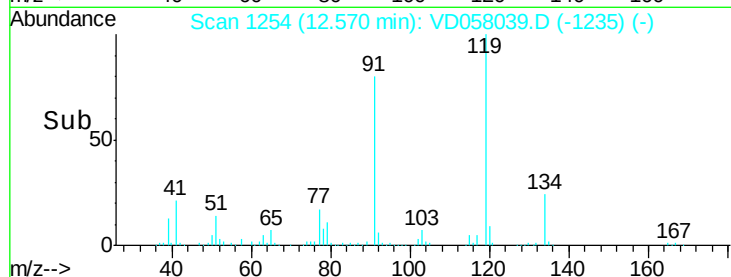
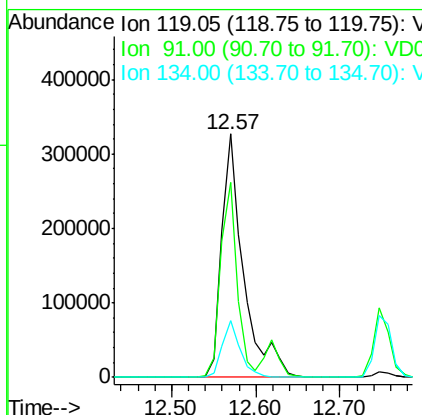
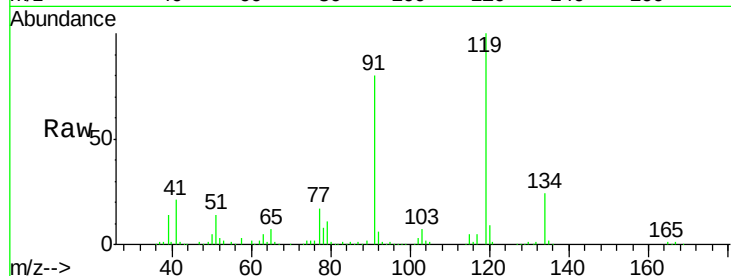




#83
 tert-Butylbenzene
 Concen: 21.678 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

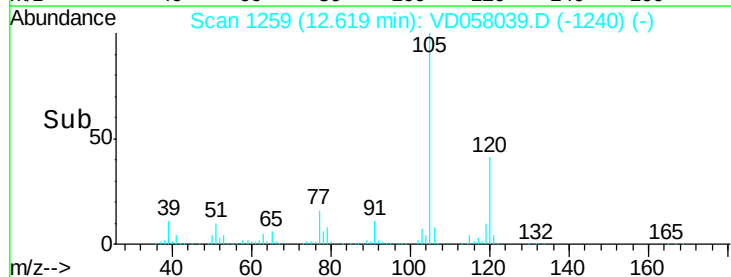
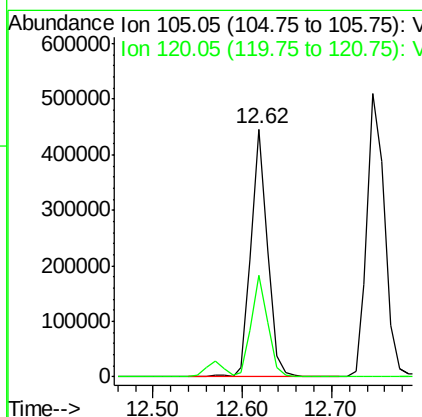
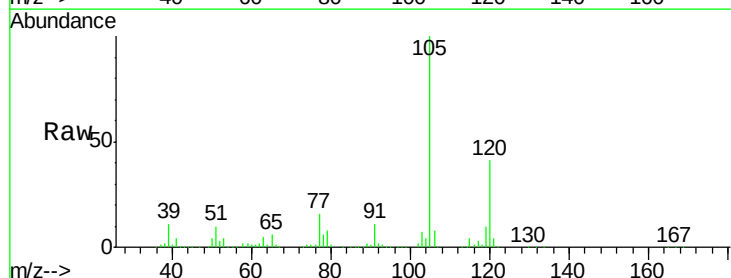
Instrument :
 MSVOA_D
 ClientSampled :

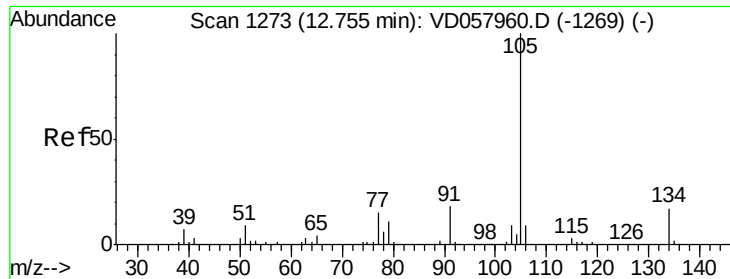
Tot Ion:119 Resp: 590152
 Ion Ratio Lower Upper
 119 100
 91 80.2 37.6 112.9
 134 23.5 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.943 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion:105 Resp: 568827
 Ion Ratio Lower Upper
 105 100
 120 41.1 21.2 63.6

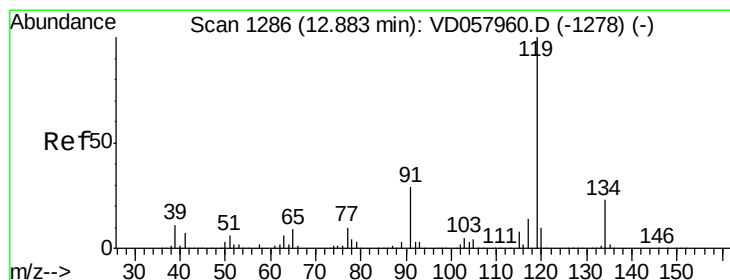
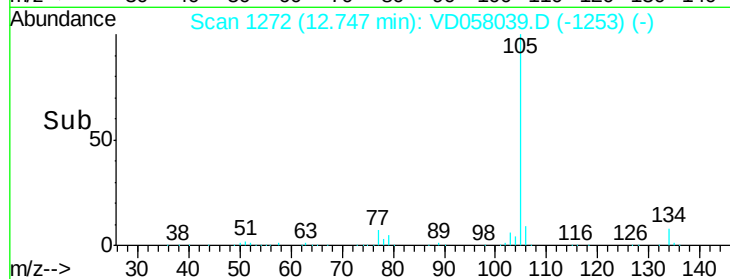
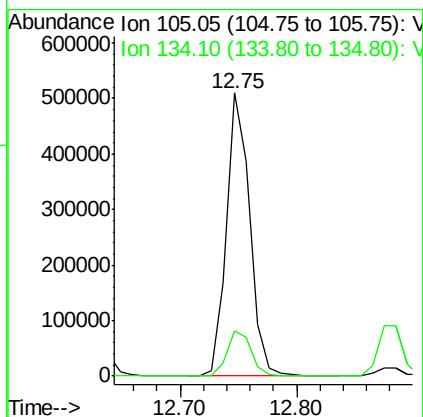
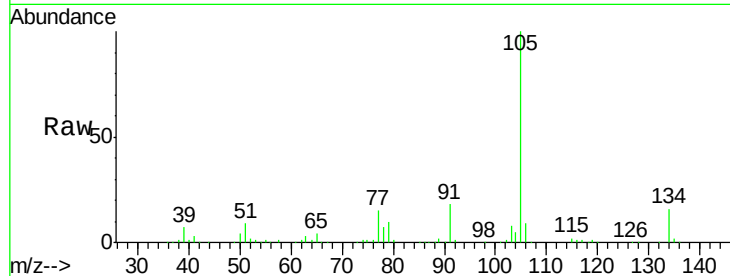




#85
 sec-Butylbenzene
 Concen: 21.411 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

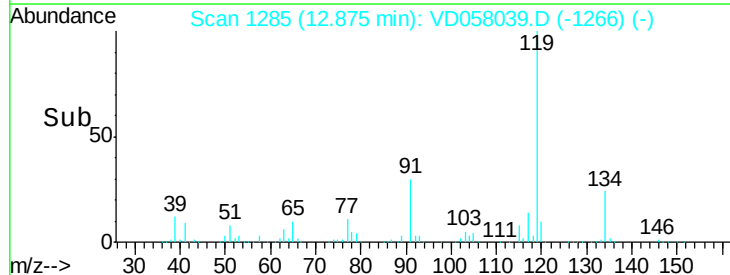
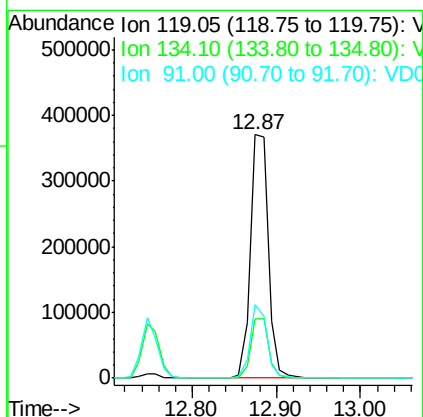
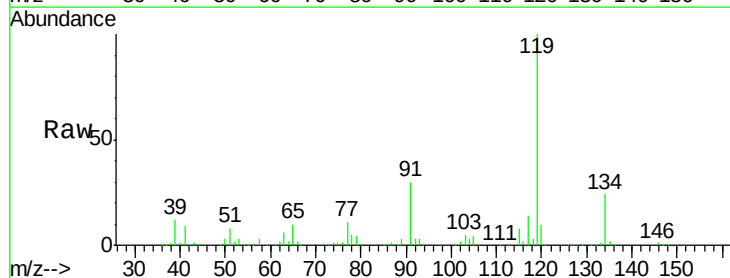
Instrument :
 MSVOA_D
 ClientSampled :

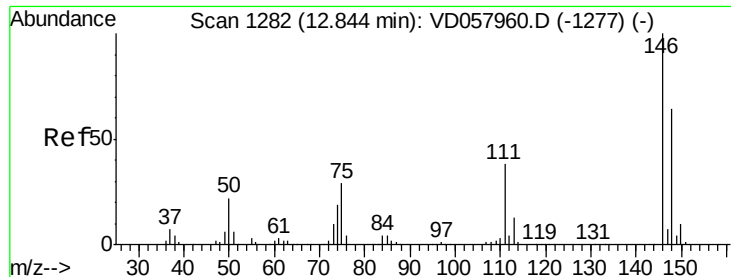
Tot Ion:105 Resp: 703453
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 20.962 ug/l
 RT: 12.87 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion:119 Resp: 555075
 Ion Ratio Lower Upper
 119 100
 134 24.4 11.5 34.4
 91 30.3 14.5 43.6

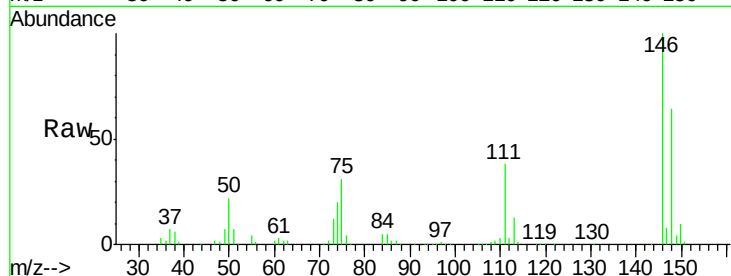




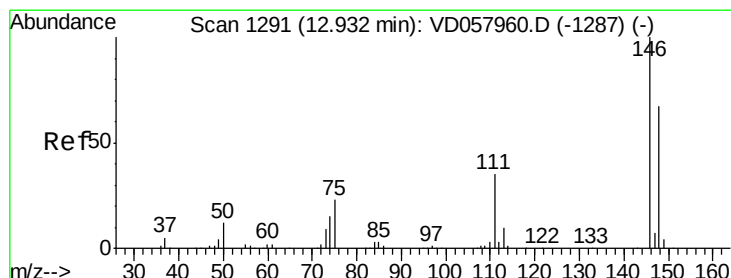
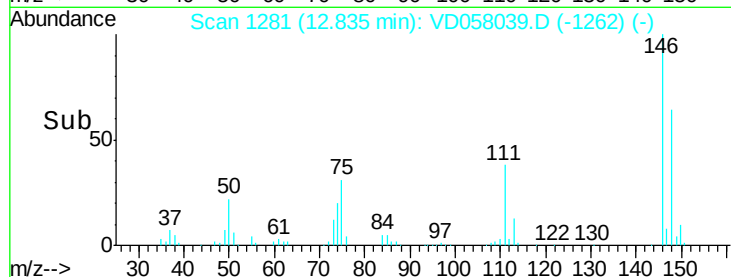
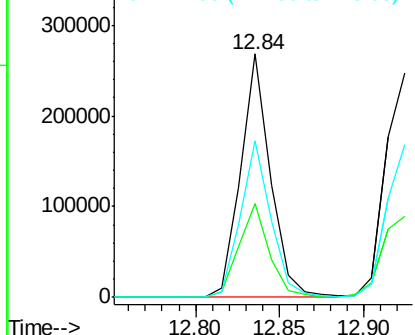
#87
 1,3-Dichlorobenzene
 Concen: 21.303 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 329754
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.3
 148 64.5 32.0 96.2

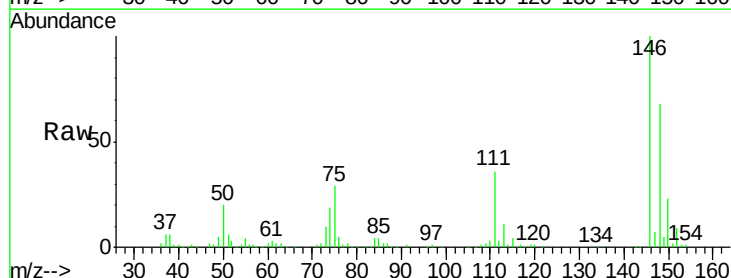


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

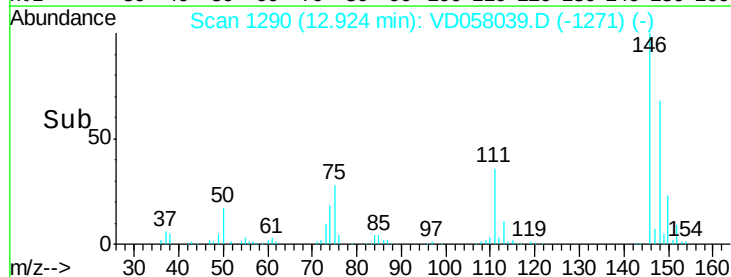
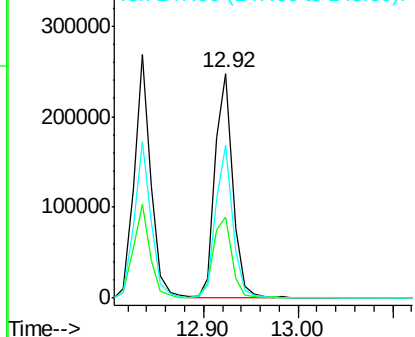


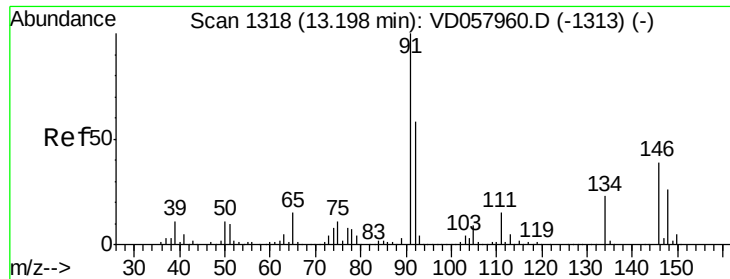
#88
 1,4-Dichlorobenzene
 Concen: 21.451 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion:146 Resp: 323516
 Ion Ratio Lower Upper
 146 100
 111 36.1 17.3 52.0
 148 67.8 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

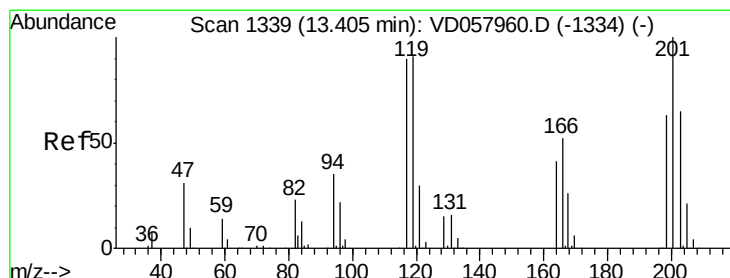
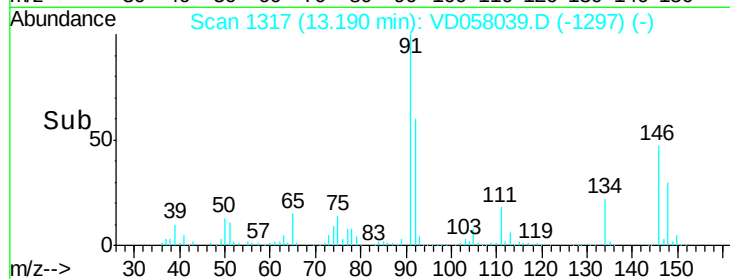
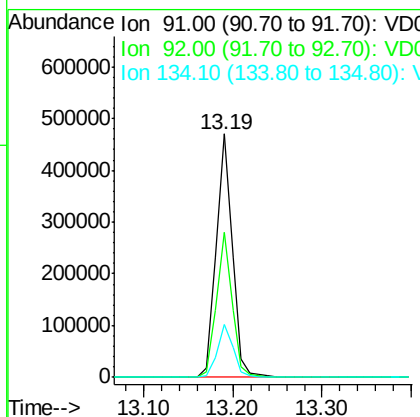
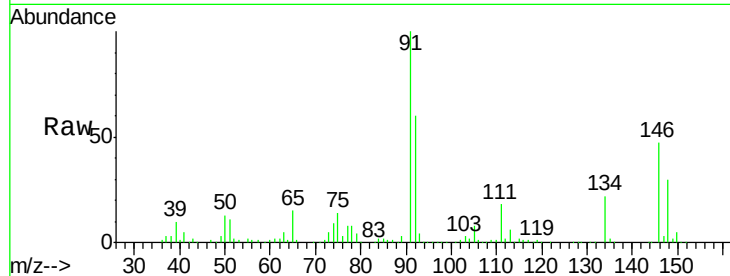




#89
n-Butylbenzene
Concen: 22.677 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

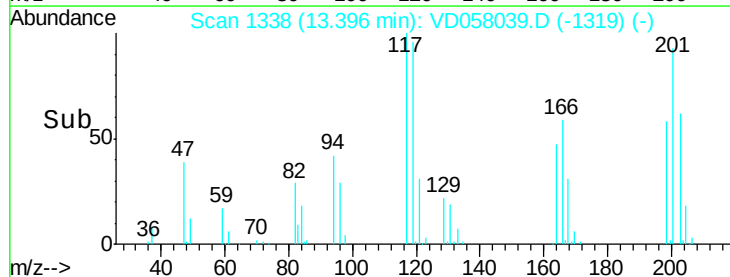
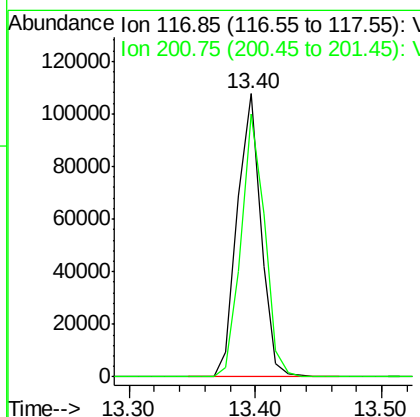
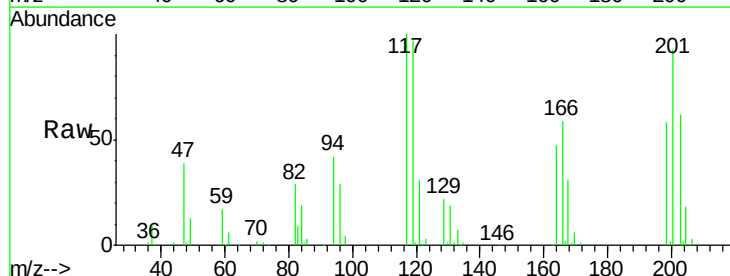
Instrument :
MSVOA_D
ClientSampled :

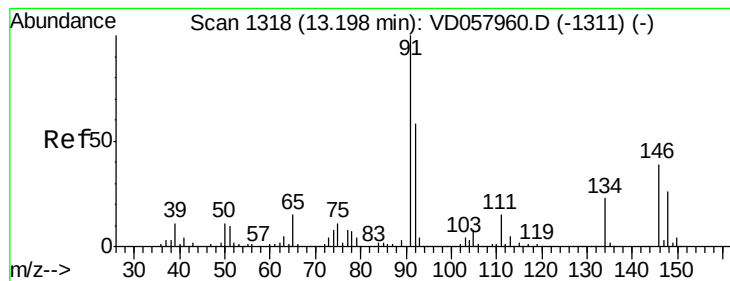
Tot Ion: 91 Resp: 598207
Ion Ratio Lower Upper
91 100
92 59.7 29.2 87.6
134 22.0 11.3 33.9



#90
Hexachloroethane
Concen: 20.573 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion: 117 Resp: 139046
Ion Ratio Lower Upper
117 100
201 92.7 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 23.332 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

Instrument :

MSVOA_D

ClientSampled :

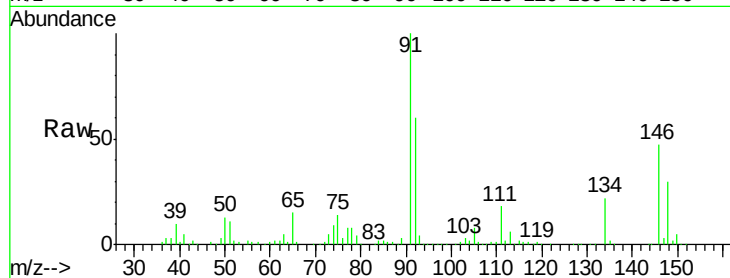
Tot Ion:146 Resp: 291869

Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.2

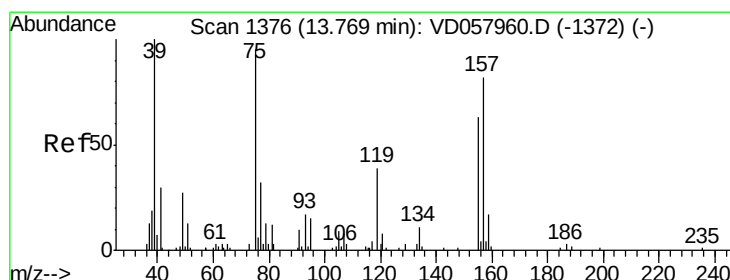
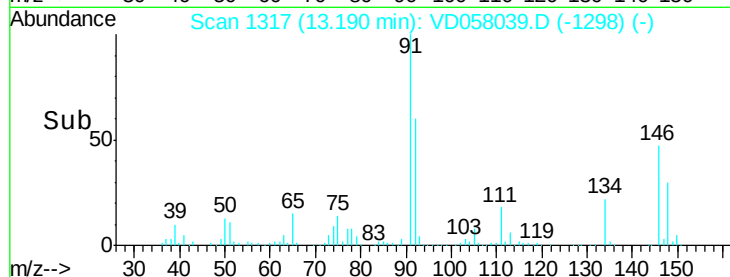
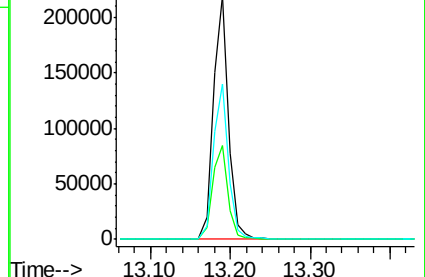
148 63.7 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.694 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VD058039.D

Acq: 9 Jun 2018 3:06

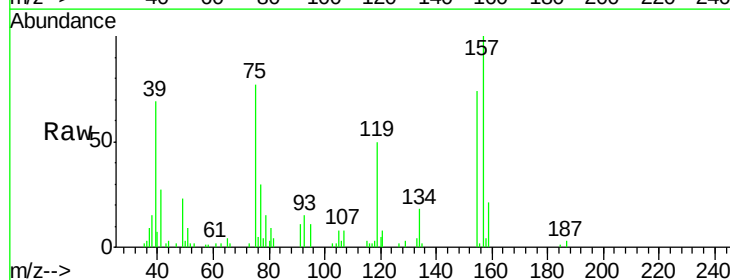
Tgt Ion: 75 Resp: 22567

Ion Ratio Lower Upper

75 100

155 95.9 33.4 100.1

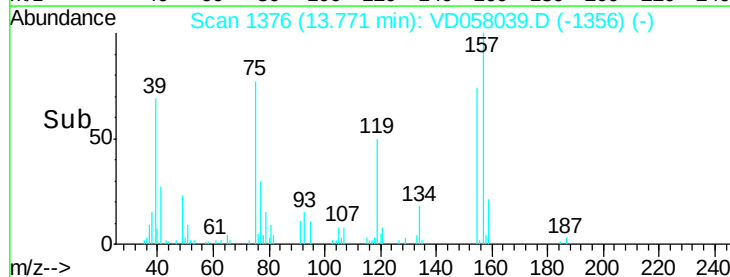
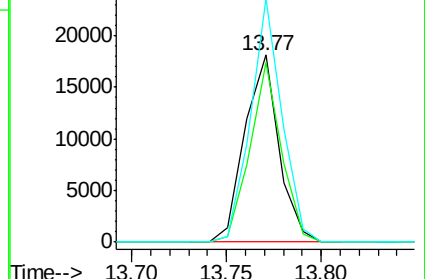
157 130.1 42.9 128.5#

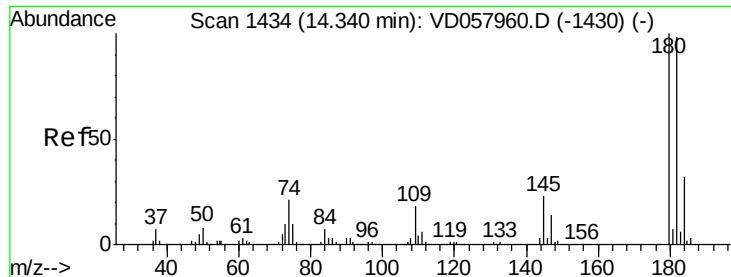


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

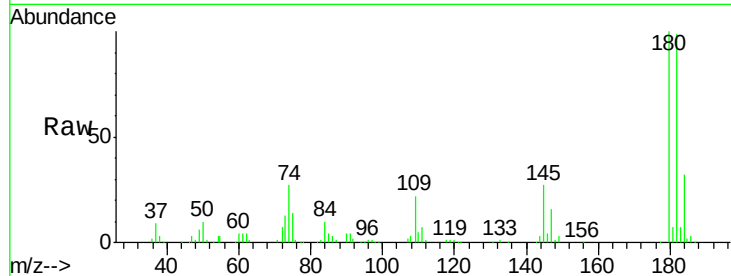




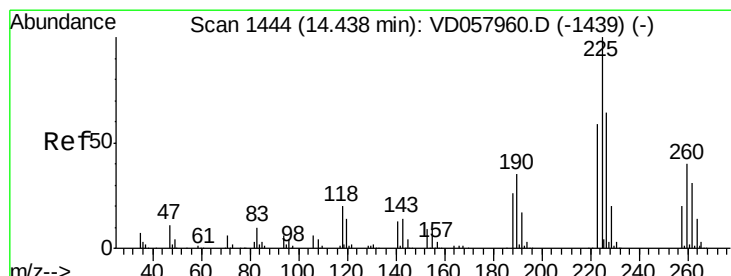
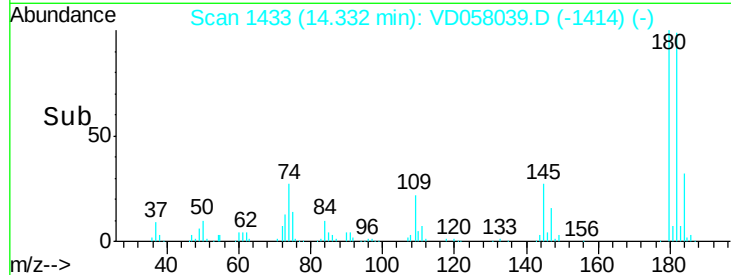
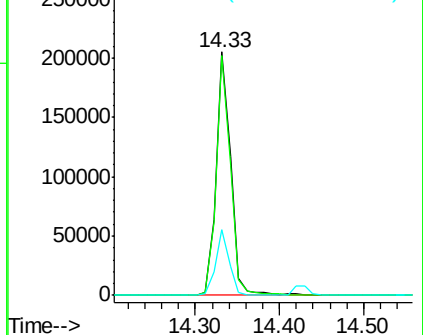
#93
 1,2,4-Trichlorobenzene
 Concen: 21.204 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 247807
 Ion Ratio Lower Upper
 180 100
 182 98.7 49.0 147.2
 145 27.2 11.8 35.3

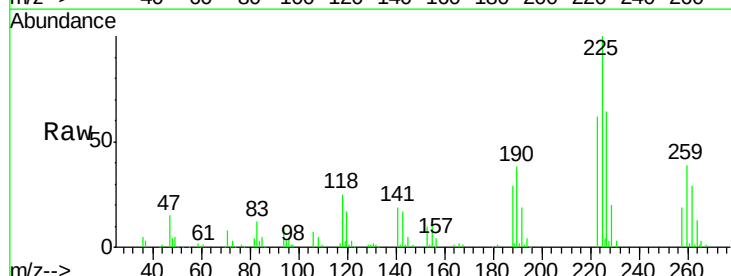


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

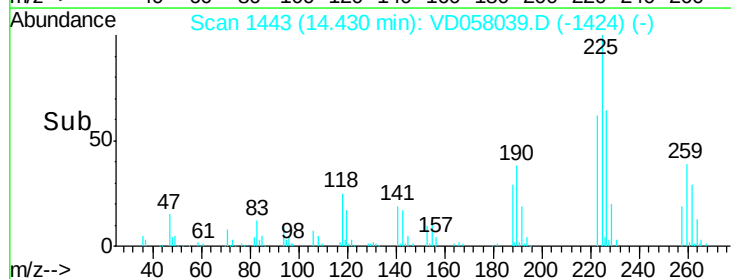
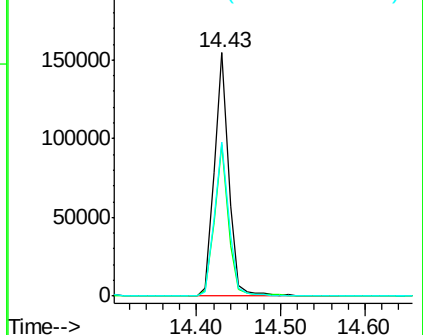


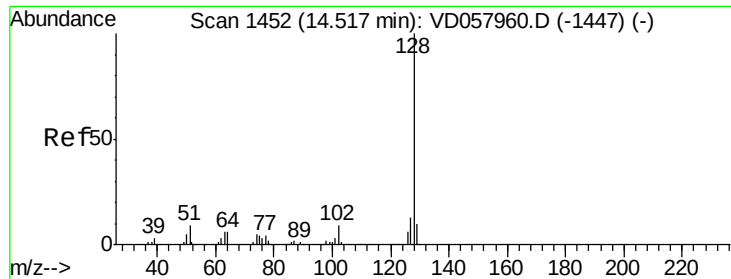
#94
 Hexachlorobutadiene
 Concen: 20.183 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058039.D
 Acq: 9 Jun 2018 3:06

Tgt Ion:225 Resp: 185538
 Ion Ratio Lower Upper
 225 100
 223 62.0 29.5 88.6
 227 63.5 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

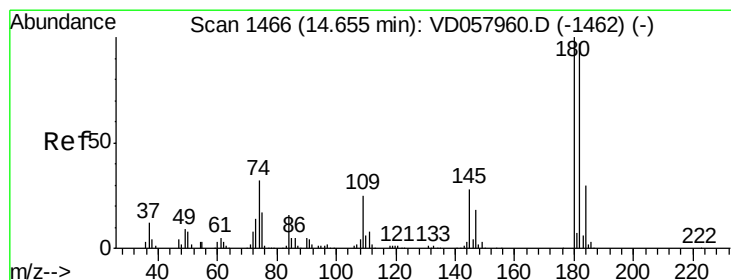
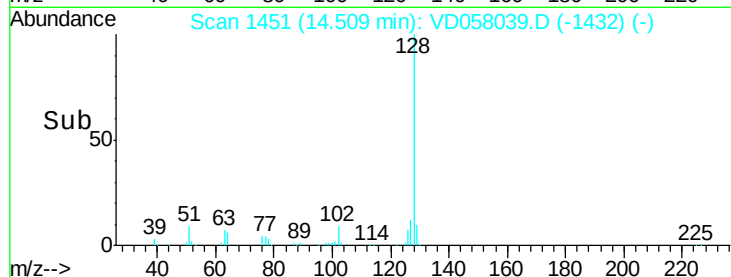
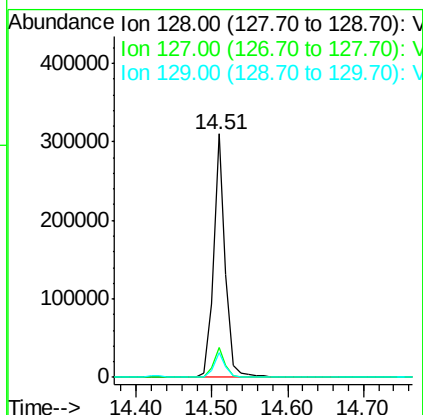
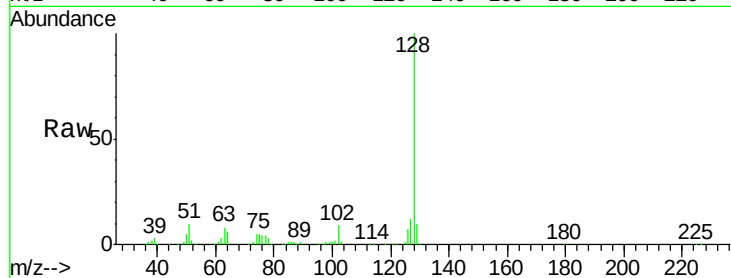




#95
Naphthalene
Concen: 22.641 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 341172
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.2
129 10.4 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 20.822 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD058039.D
Acq: 9 Jun 2018 3:06

Tgt Ion:180 Resp: 207387
Ion Ratio Lower Upper
180 100
182 95.0 48.5 145.5
145 25.9 14.2 42.8

