

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072718\
 Data File : VD059617.D
 Acq On : 27 Jul 2018 17:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 01:28:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	146146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	172385	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	144557	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	73391	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	91981	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.12%		
35) Dibromofluoromethane	5.52	113	84140	56.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.80%		
50) Toluene-d8	8.69	98	173736	51.79	ug/l	0.02
Spiked Amount 50.000			Recovery =	103.58%		
62) 4-Bromofluorobenzene	11.92	95	81705	54.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.14%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.31	85	80587	50.026	ug/l	91
3) Chloromethane	1.45	50	38543	42.197	ug/l	99
4) Vinyl Chloride	1.53	62	45948	48.338	ug/l	99
5) Bromomethane	1.76	94	12447	68.254	ug/l	91
6) Chloroethane	1.85	64	26780	96.305	ug/l	98
7) Trichlorofluoromethane	2.05	101	90873	56.037	ug/l	96
8) Diethyl Ether	2.32	74	15126	49.374	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.52	101	48322	56.552	ug/l	93
10) Methyl Iodide	2.66	142	56878	51.248	ug/l	97
11) Tert butyl alcohol	3.24	59	19616	267.621	ug/l	98
12) 1,1-Dichloroethene	2.52	96	35623	57.515	ug/l	96
13) Acrolein	2.45	56	9576	253.588	ug/l	83
14) Allyl chloride	2.89	41	80400	53.537	ug/l	95
15) Acrylonitrile	3.32	53	45090	283.645	ug/l	95
16) Acetone	2.58	43	80454	289.958	ug/l	97
17) Carbon Disulfide	2.72	76	123058	50.022	ug/l	99
18) Methyl Acetate	2.90	43	31087	56.027	ug/l	93
19) Methyl tert-butyl Ether	3.37	73	112348	54.119	ug/l #	91
20) Methylene Chloride	3.04	84	39055	49.364	ug/l	89
21) trans-1,2-Dichloroethene	3.35	96	36315	54.374	ug/l	98
22) Diisopropyl ether	4.04	45	191630	48.526	ug/l	99
23) Vinyl Acetate	3.98	43	607750	242.491	ug/l	100
24) 1,1-Dichloroethane	3.93	63	128450	51.525	ug/l	98
25) 2-Butanone	4.81	43	104867	247.838	ug/l	99
26) 2,2-Dichloropropane	4.77	77	138521	54.256	ug/l	100
27) cis-1,2-Dichloroethene	4.77	96	68012	50.982	ug/l	95
28) Bromochloromethane	5.11	49	49727	50.412	ug/l	95
29) Tetrahydrofuran	5.15	42	47241	241.125	ug/l	98
30) Chloroform	5.29	83	155777	52.245	ug/l	100
31) Cyclohexane	5.56	56	84579	53.232	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	155635	53.915	ug/l	97
36) 1,1-Dichloropropene	5.71	75	102006	58.970	ug/l	98
37) Ethyl Acetate	4.90	43	50721	57.001	ug/l	96
38) Carbon Tetrachloride	5.69	117	140020	59.113	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	86624	54.457	ug/l	97
40) Benzene	5.99	78	199493	56.238	ug/l	98
41) Methacrylonitrile	5.09	41	24299	54.721	ug/l #	93
42) 1,2-Dichloroethane	6.10	62	122598	57.363	ug/l	98
43) Isopropyl Acetate	7.59	43	71525	57.967	ug/l	98
44) Trichloroethene	6.95	130	72172	56.094	ug/l	98
45) 1,2-Dichloropropane	7.33	63	54474	54.836	ug/l	99
46) Dibromomethane	7.43	93	46426	55.290	ug/l	96
47) Bromodichloromethane	7.72	83	116239	57.961	ug/l	97
48) Methyl methacrylate	7.48	41	47714	58.309	ug/l	94
49) 1,4-Dioxane	7.46	88	8664	1128.953	ug/l	95
51) 4-Methyl-2-Pentanone	8.57	43	223715	271.512	ug/l	98
52) Toluene	8.78	92	128006	54.420	ug/l	91
53) t-1,3-Dichloropropene	9.17	75	101464	56.093	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	101738	56.639	ug/l	97
55) 1,1,2-Trichloroethane	9.43	97	49046	55.501	ug/l	99
56) Ethyl methacrylate	9.29	69	55754	55.609	ug/l	97
57) 1,3-Dichloropropane	9.65	76	78762	56.093	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.17	63	121025	256.898	ug/l	98
59) 2-Hexanone	9.77	43	175249	267.773	ug/l	97
60) Dibromochloromethane	9.94	129	83877	57.174	ug/l	96
61) 1,2-Dibromoethane	10.08	107	56703	54.147	ug/l	94
64) Tetrachloroethene	9.50	164	70671	53.948	ug/l	95
65) Chlorobenzene	10.71	112	143751	48.510	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.84	131	69189	53.677	ug/l	97
67) Ethyl Benzene	10.85	91	273717	53.733	ug/l	99
68) m/p-Xylenes	11.00	106	180876	106.318	ug/l	95
69) o-Xylene	11.40	106	85697	51.912	ug/l	93
70) Styrene	11.42	104	144419	52.763	ug/l	95
71) Bromoform	11.59	173	59080	56.288	ug/l #	96
73) Isopropylbenzene	11.76	105	270336	52.141	ug/l	100
74) N-amyl acetate	11.63	43	88879	50.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	56214	53.106	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	64346	53.018	ug/l	96
77) Bromobenzene	12.03	156	80702	53.173	ug/l	94
78) n-propylbenzene	12.15	91	330510	52.466	ug/l	98
79) 2-Chlorotoluene	12.20	91	197858	52.681	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	211229	51.601	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	17140	55.237	ug/l	84
82) 4-Chlorotoluene	12.31	91	223707	52.669	ug/l	88
83) tert-Butylbenzene	12.57	119	232240	50.395	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	216943	49.856	ug/l	99
85) sec-Butylbenzene	12.75	105	270450	51.357	ug/l	97
86) p-Isopropyltoluene	12.87	119	226253	50.979	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	135695	52.863	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	129272	52.272	ug/l	99
89) n-Butylbenzene	13.19	91	218098	50.899	ug/l	99
90) Hexachloroethane	13.40	117	62108	52.370	ug/l	97
91) 1,2-Dichlorobenzene	13.19	146	103851	48.217	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	12265	57.474	ug/l	98

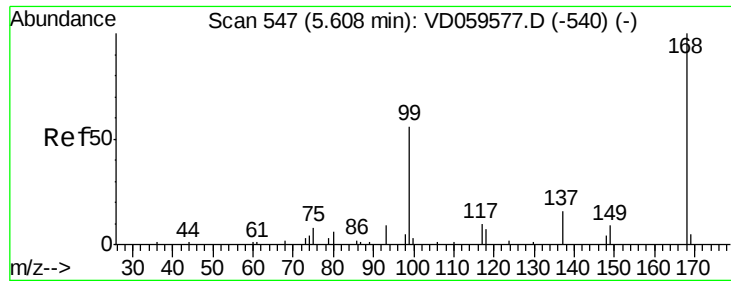
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	96446	54.074	ug/l	98
94) Hexachlorobutadiene	14.43	225	80012	56.871	ug/l	98
95) Naphthalene	14.51	128	133574	52.659	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	88252	54.681	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

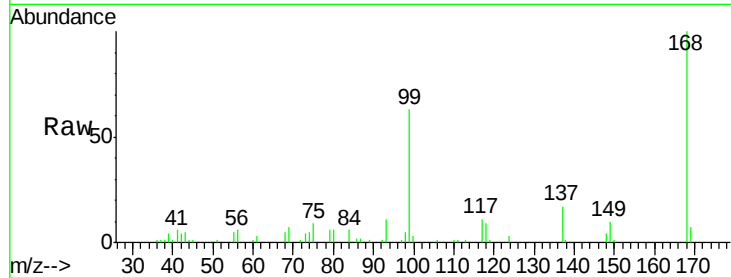
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 146146

Ion Ratio Lower Upper

168 100

99 62.6 47.3 70.9

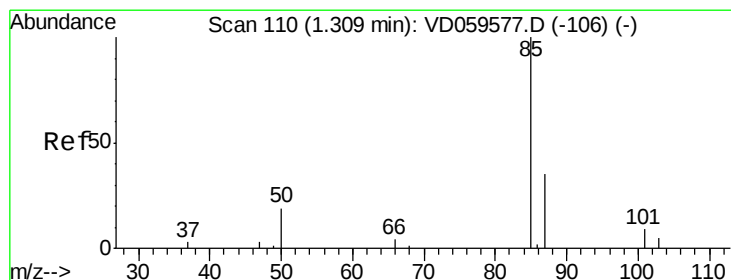
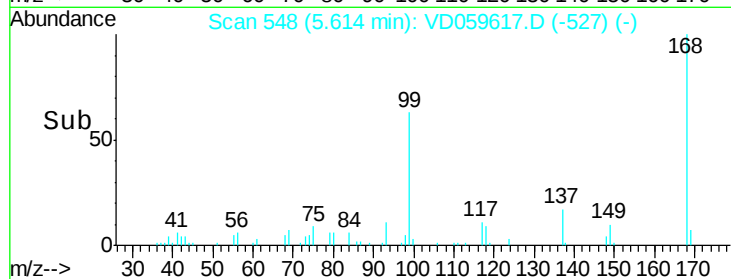


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.61

Time-->



#2

Dichlorodifluoromethane

Concen: 50.026 ug/l

RT: 1.31 min Scan# 111

Delta R.T. 0.01 min

Lab File: VD059617.D

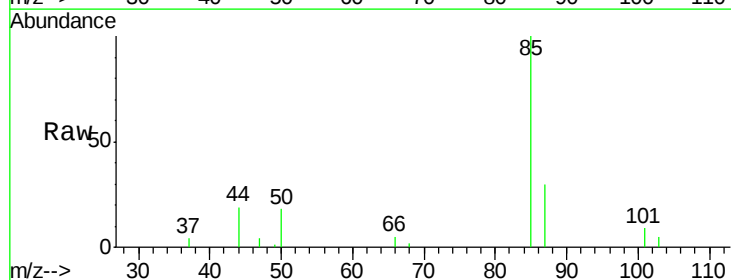
Acq: 27 Jul 2018 17:24

Tgt Ion: 85 Resp: 80587

Ion Ratio Lower Upper

85 100

87 29.6 17.3 51.7

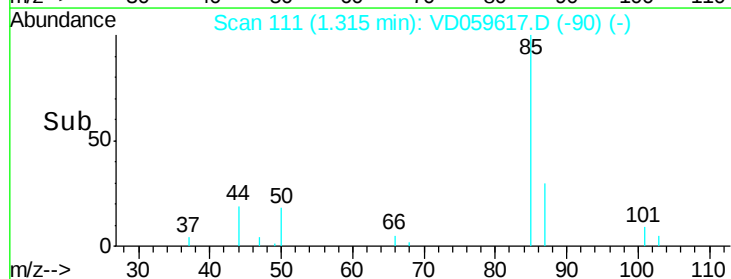


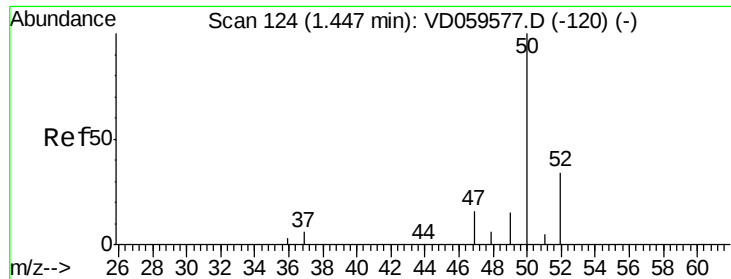
Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.31

Time-->





#3

Chloromethane

Concen: 42.197 ug/l

RT: 1.45 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

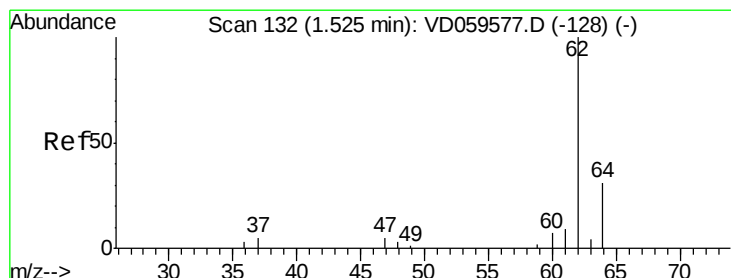
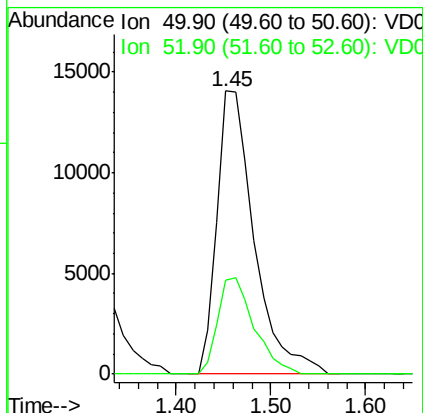
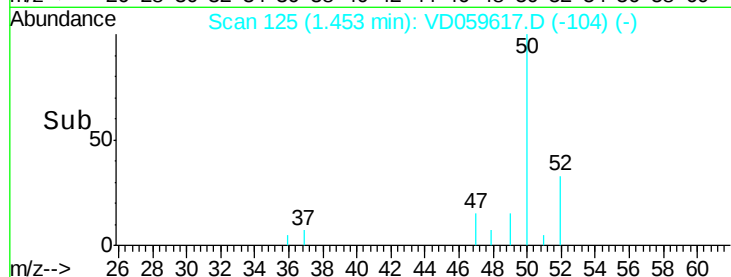
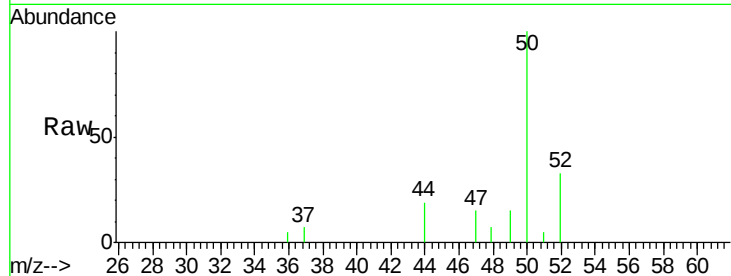
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 38543

Ion Ratio Lower Upper

50 100

52 33.3 27.3 40.9



#4

Vinyl Chloride

Concen: 48.338 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059617.D

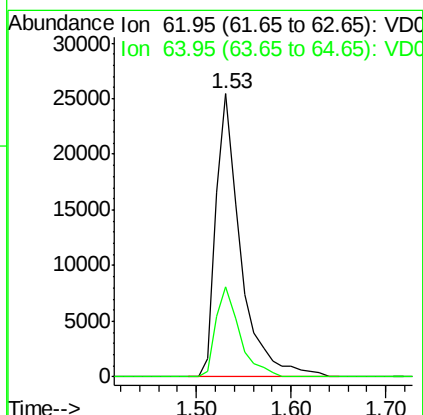
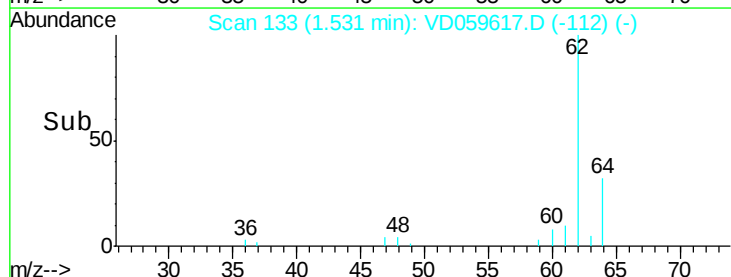
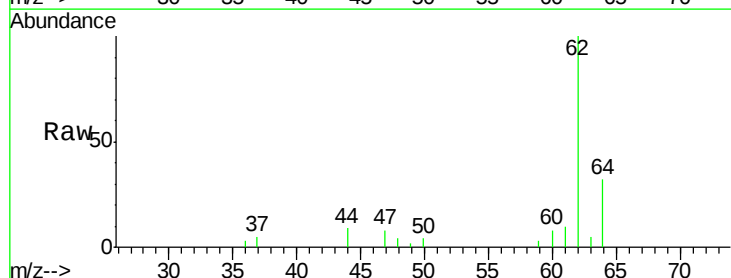
Acq: 27 Jul 2018 17:24

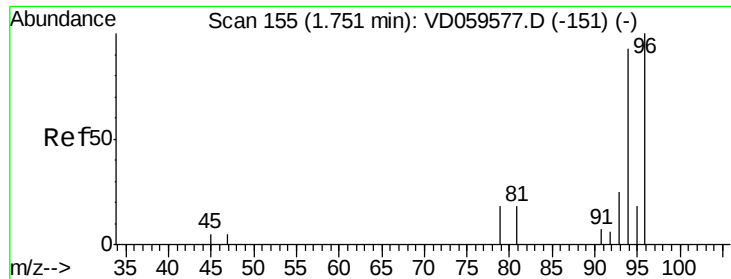
Tgt Ion: 62 Resp: 45948

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4

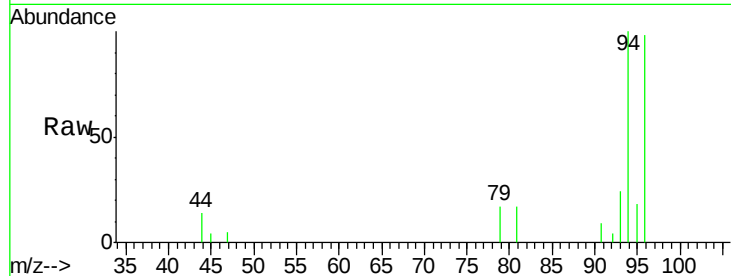




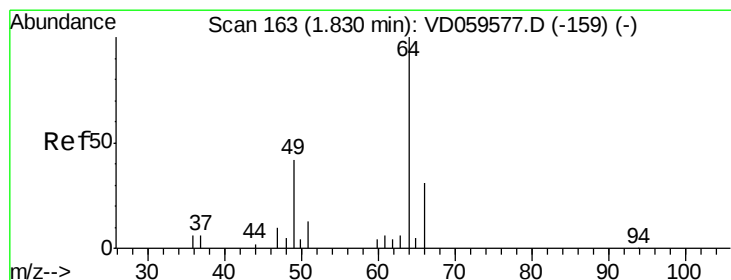
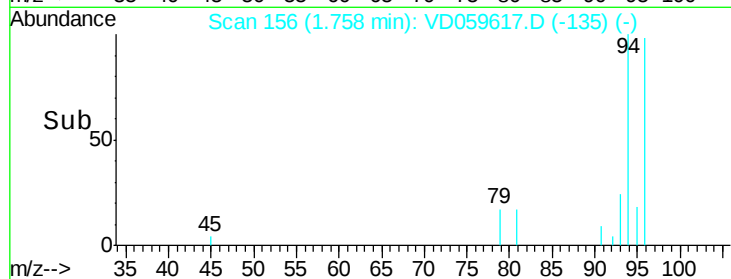
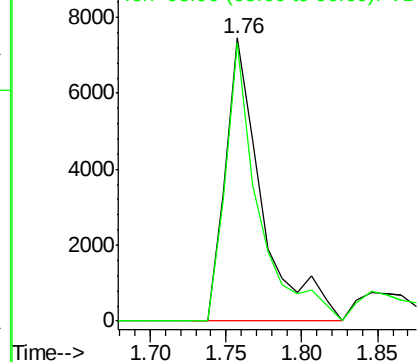
#5
Bromomethane
Concen: 68.254 ug/l
RT: 1.76 min Scan# 156
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 12447
Ion Ratio Lower Upper
94 100
96 98.3 86.2 129.2

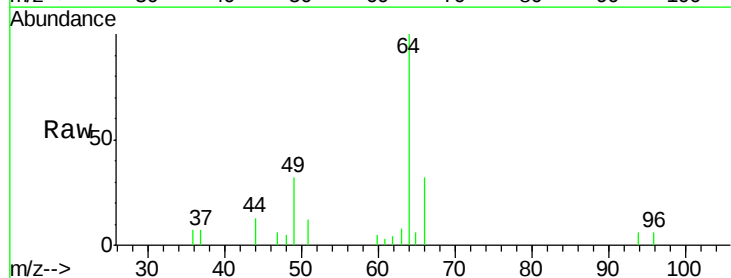


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

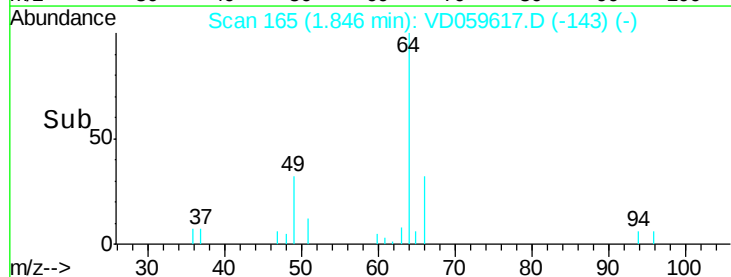
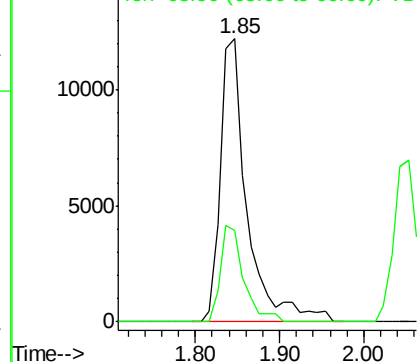


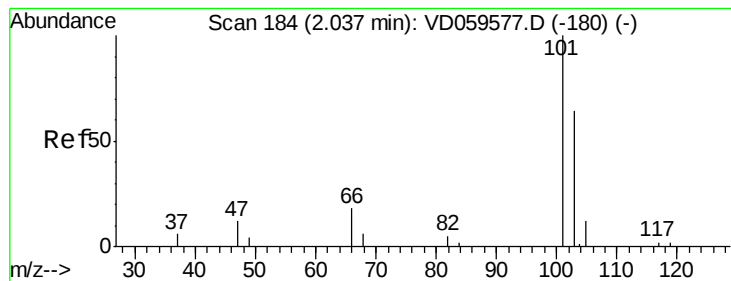
#6
Chloroethane
Concen: 96.305 ug/l
RT: 1.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 64 Resp: 26780
Ion Ratio Lower Upper
64 100
66 32.4 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



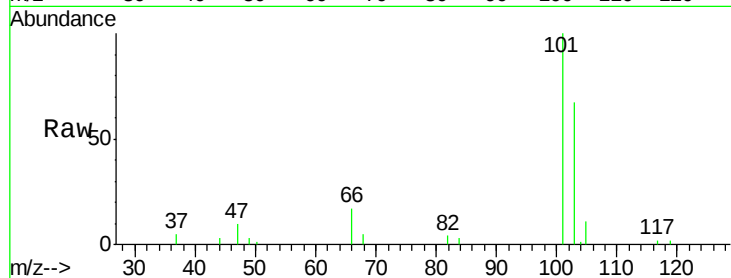


#7

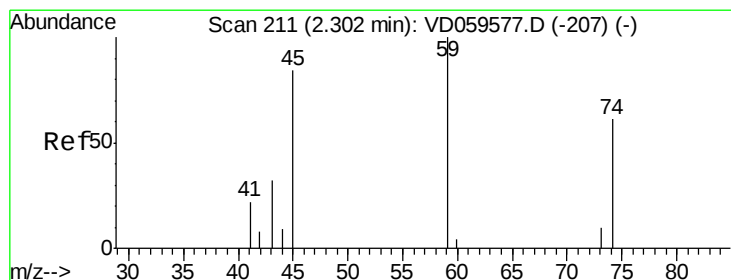
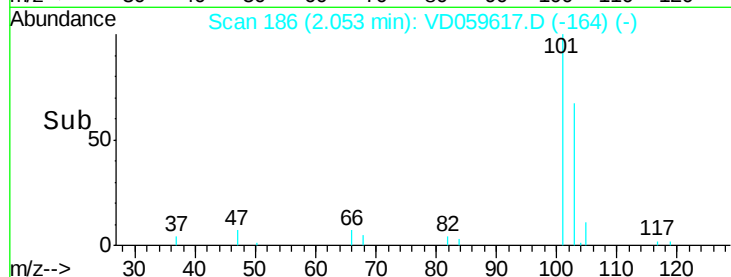
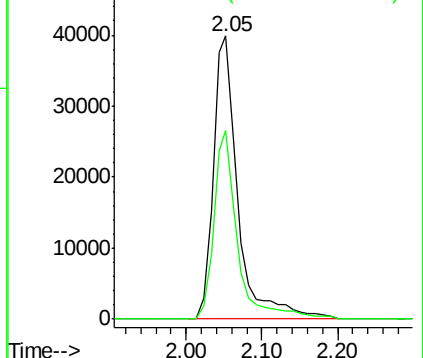
Trichlorofluoromethane
Concen: 56.037 ug/l
RT: 2.05 min Scan# 186
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 90873
Ion Ratio Lower Upper
101 100
103 66.5 50.9 76.3



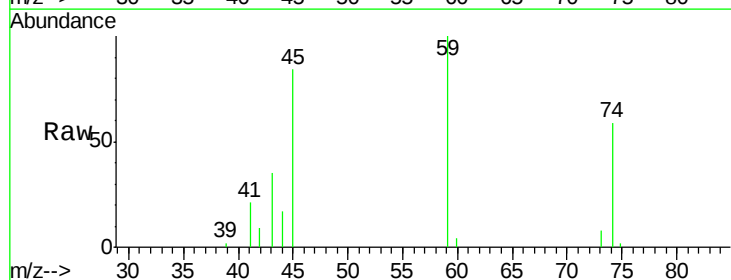
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



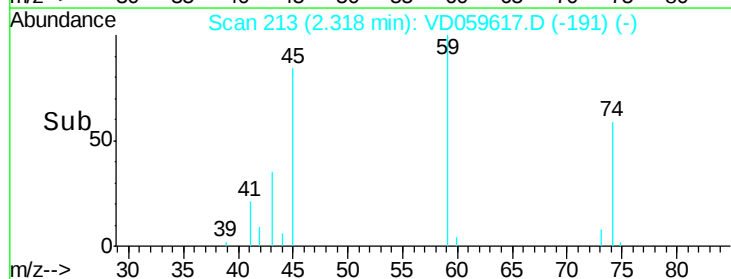
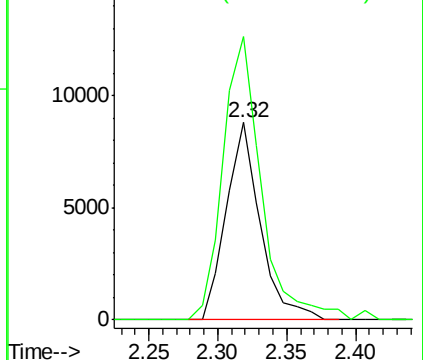
#8

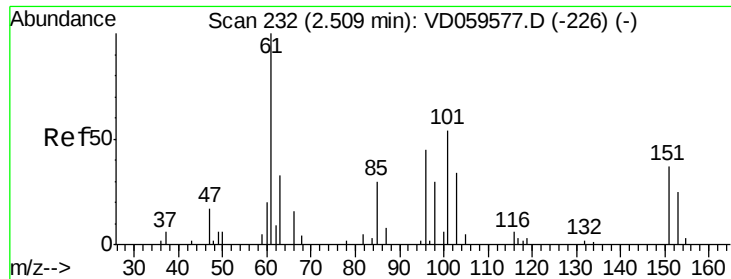
Diethyl Ether
Concen: 49.374 ug/l
RT: 2.32 min Scan# 213
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 74 Resp: 15126
Ion Ratio Lower Upper
74 100
45 143.5 69.0 207.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.552 ug/l

RT: 2.52 min Scan# 234

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampleId :

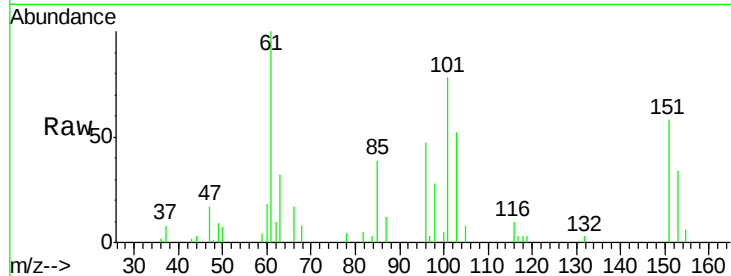
Tot Ion:101 Resp: 48322

Ion Ratio Lower Upper

101 100

85 50.3 44.5 66.7

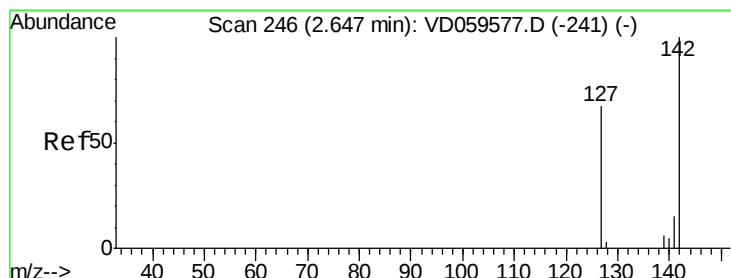
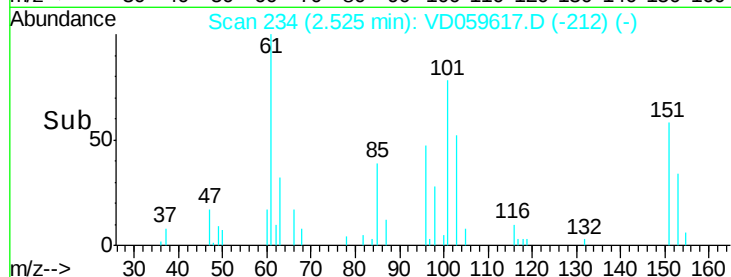
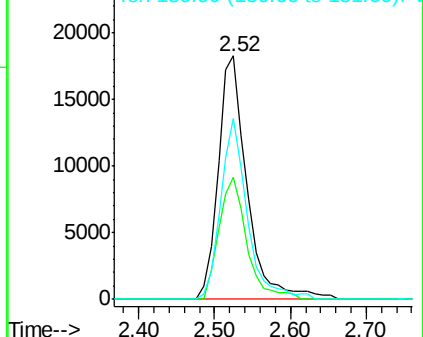
151 74.1 55.4 83.0



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: 51.248 ug/l

RT: 2.66 min Scan# 248

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

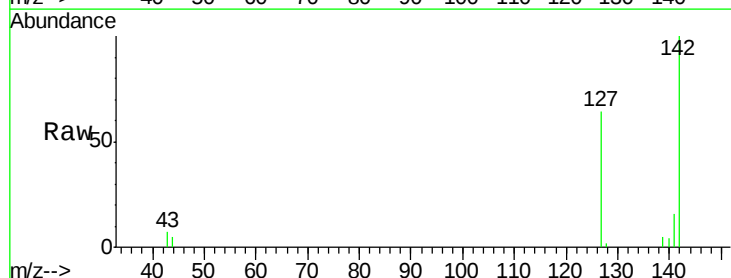
Tgt Ion:142 Resp: 56878

Ion Ratio Lower Upper

142 100

127 64.5 53.6 80.4

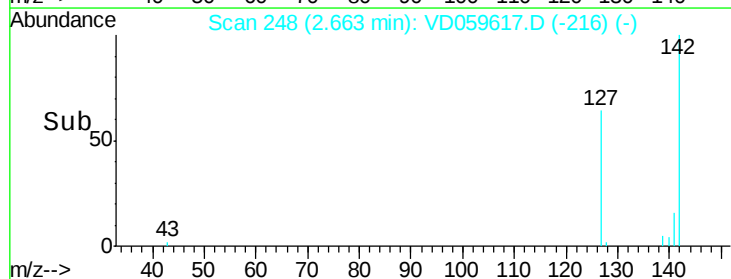
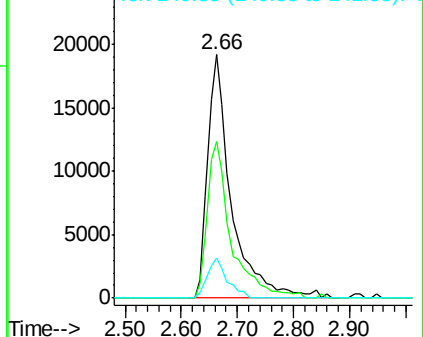
141 16.2 12.2 18.2

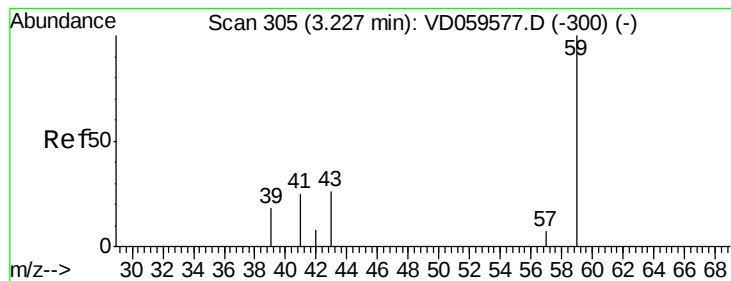


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



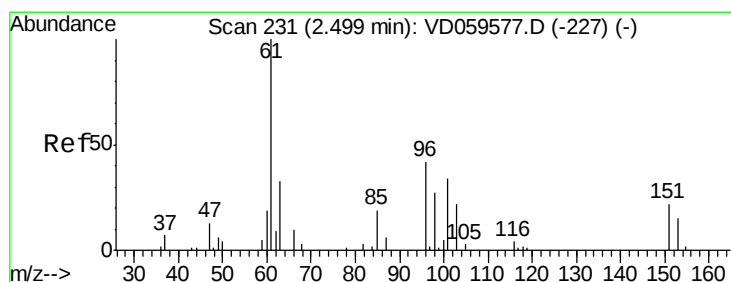
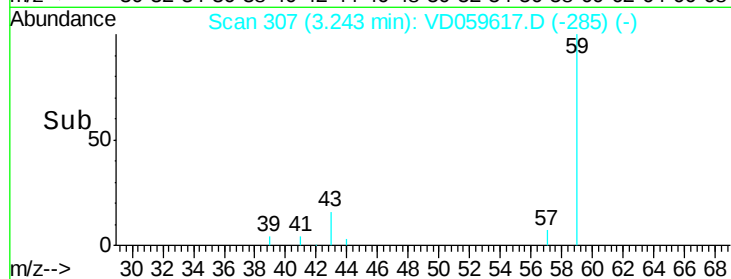
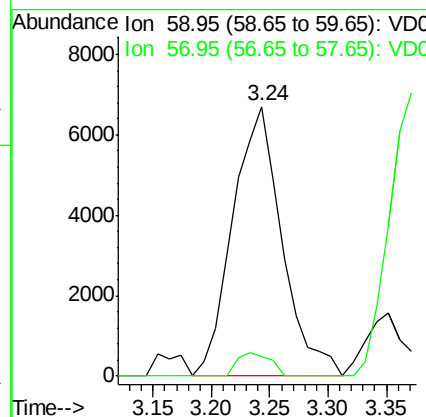
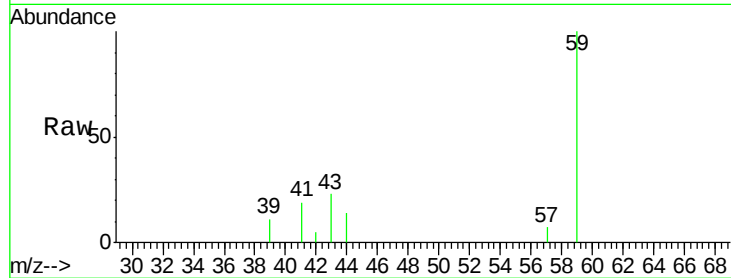


#11

Tert butyl alcohol
 Concen: 267.621 ug/l
 RT: 3.24 min Scan# 307
 Delta R.T. 0.02 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Instrument :
 MSVOA_D
 ClientSampleId :

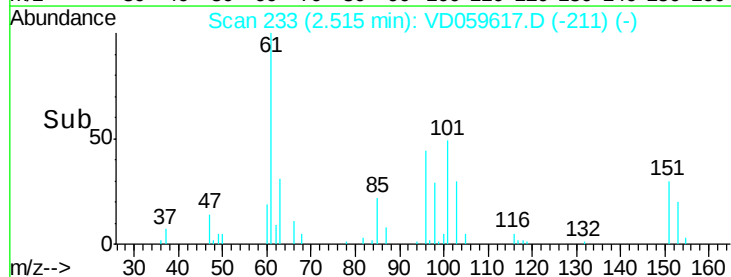
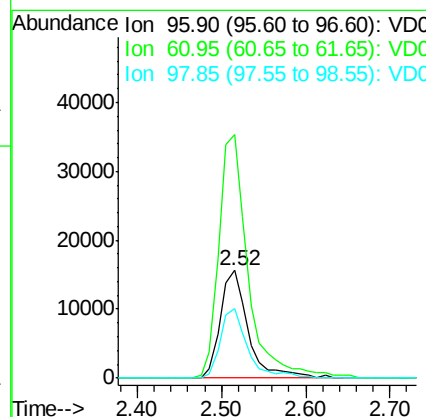
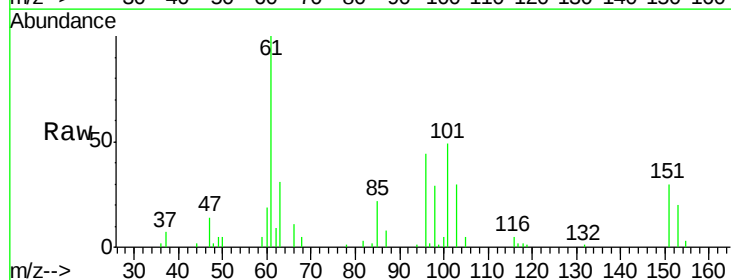
Tot Ion: 59 Resp: 19616
 Ion Ratio Lower Upper
 59 100
 57 7.5 5.5 8.3

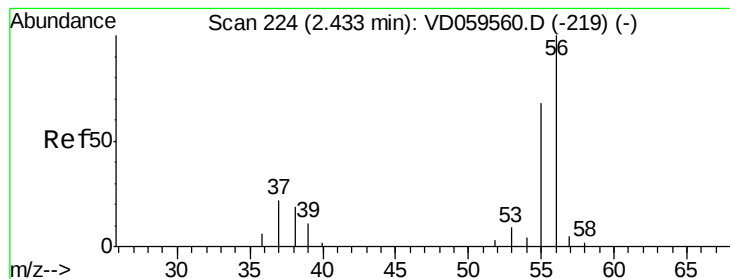


#12

1,1-Dichloroethene
 Concen: 57.515 ug/l
 RT: 2.52 min Scan# 233
 Delta R.T. 0.02 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Tgt Ion: 96 Resp: 35623
 Ion Ratio Lower Upper
 96 100
 61 226.8 188.8 283.2
 98 65.1 51.4 77.2





#13

Acrolein

Concen: 253.588 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

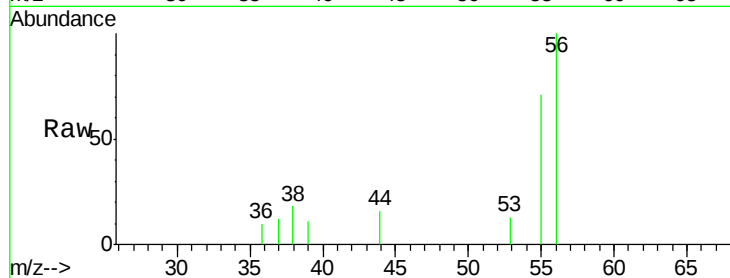
ClientSampled :

Tot Ion: 56 Resp: 9576

Ion Ratio Lower Upper

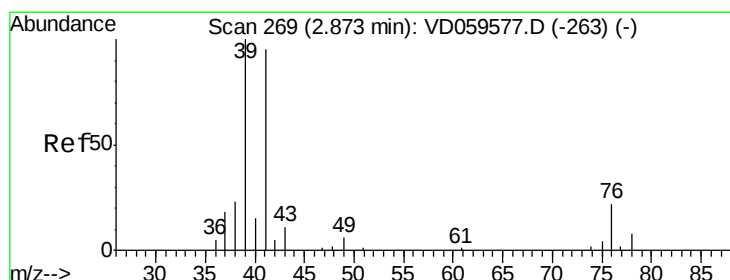
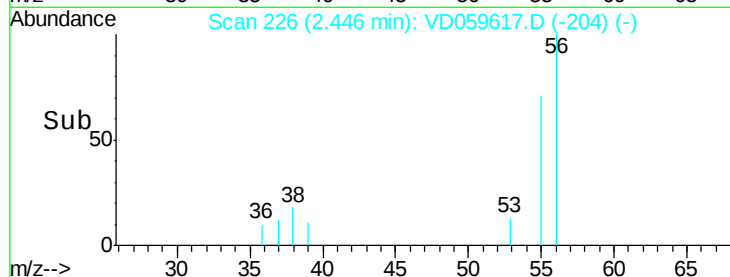
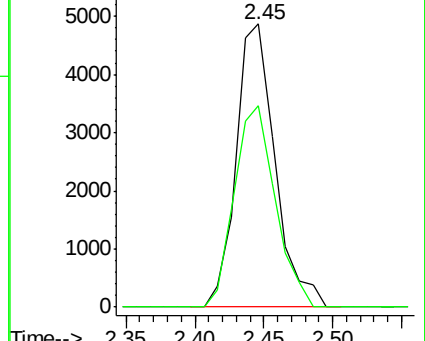
56 100

55 71.1 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.537 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

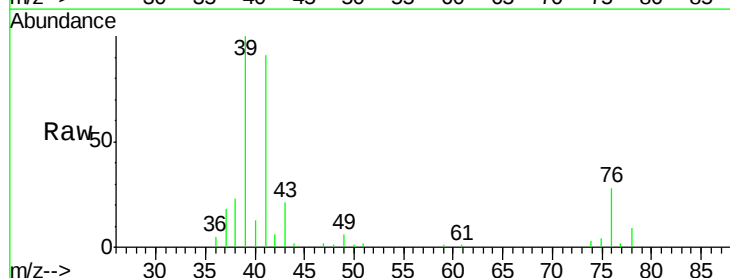
Tgt Ion: 41 Resp: 80400

Ion Ratio Lower Upper

41 100

39 110.0 83.8 125.8

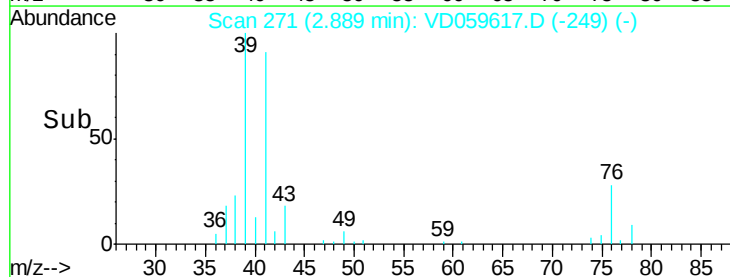
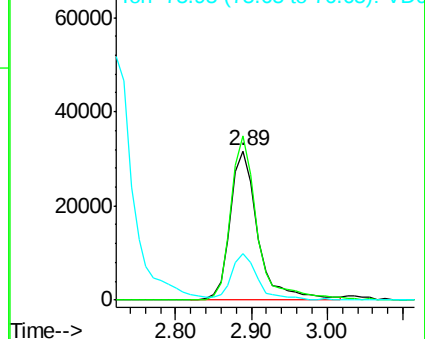
76 31.1 22.2 33.4

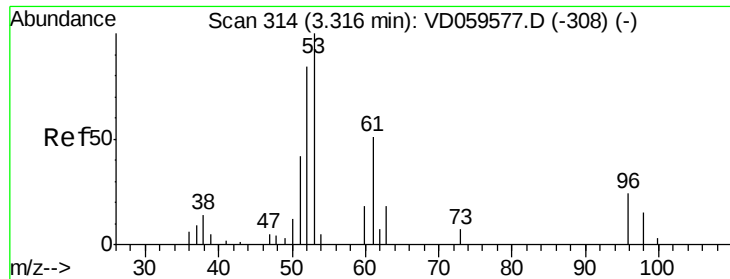


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 283.645 ug/l

RT: 3.32 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampleId :

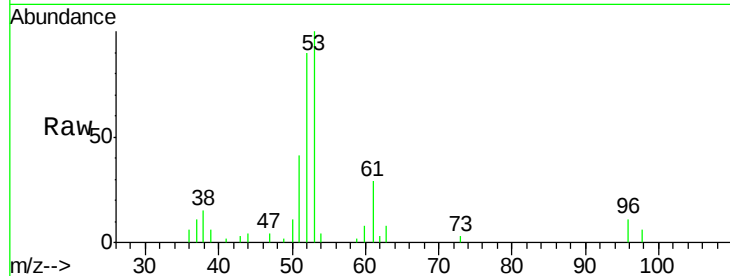
Tot Ion: 53 Resp: 45090

Ion Ratio Lower Upper

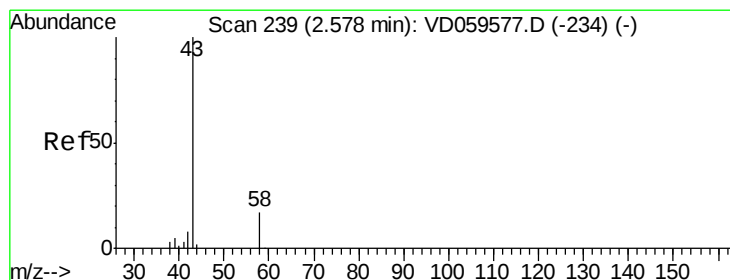
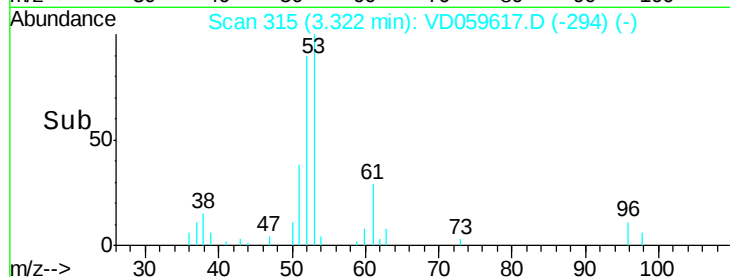
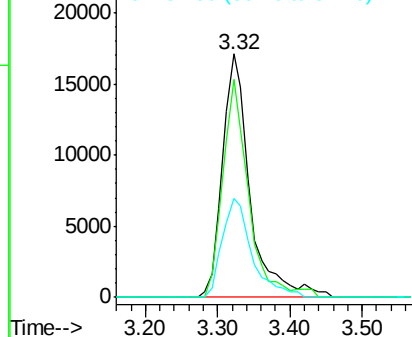
53 100

52 89.7 67.6 101.4

51 40.5 33.7 50.5



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: 289.958 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059617.D

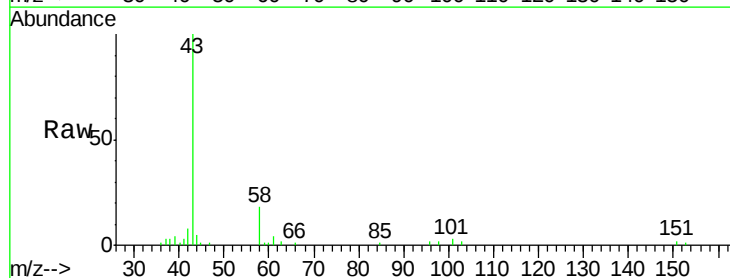
Acq: 27 Jul 2018 17:24

Tgt Ion: 43 Resp: 80454

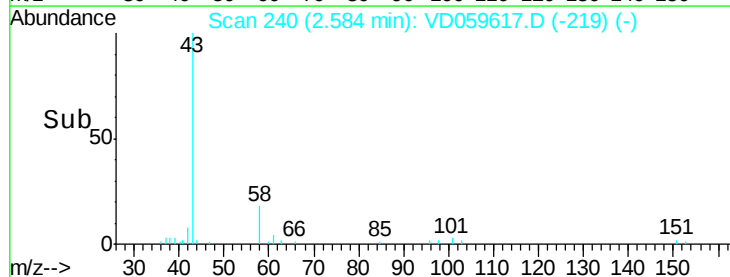
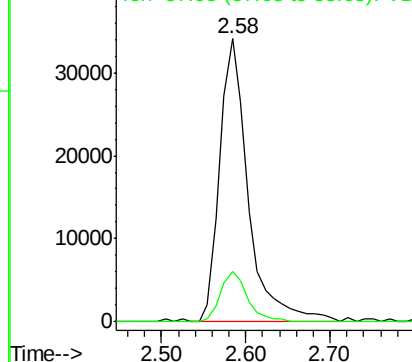
Ion Ratio Lower Upper

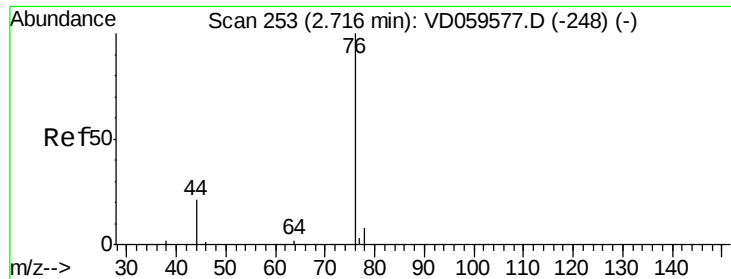
43 100

58 17.9 13.4 20.0



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

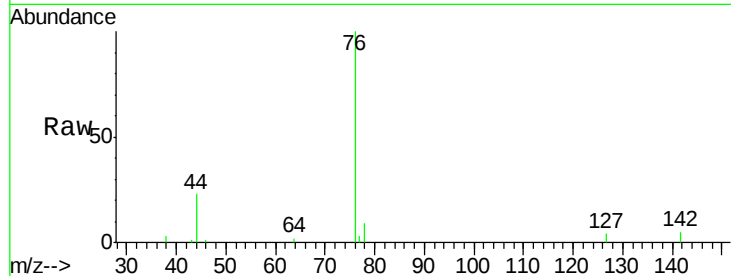




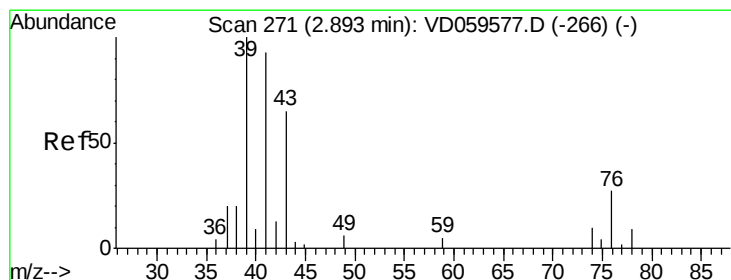
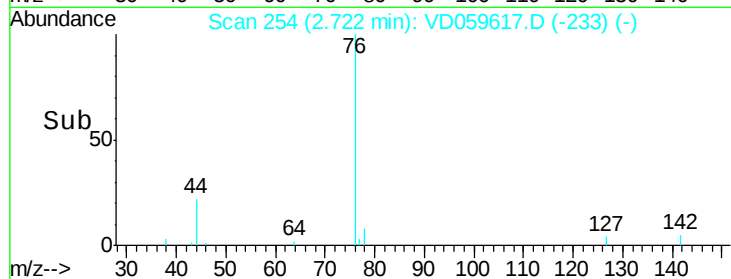
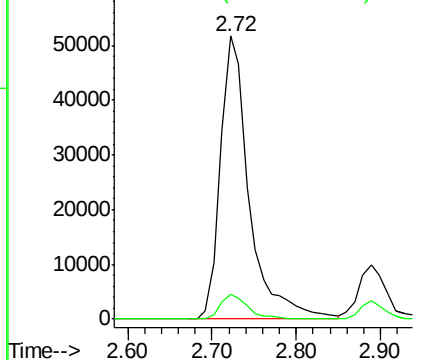
#17
Carbon Disulfide
Concen: 50.022 ug/l
RT: 2.72 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 123058
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2

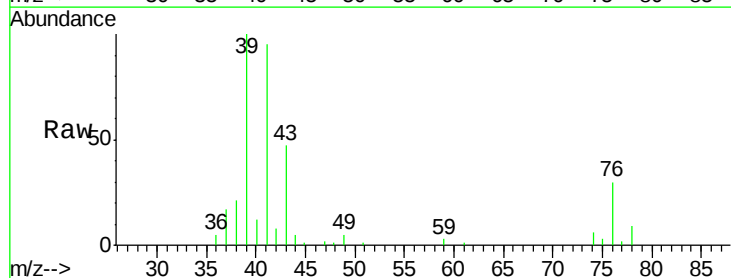


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

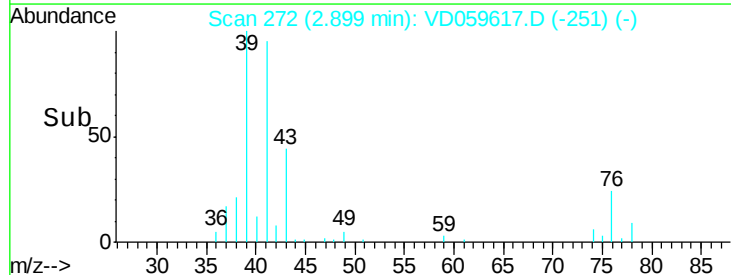
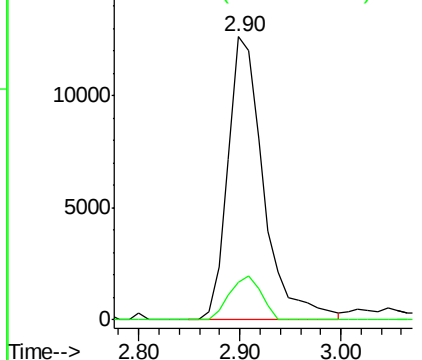


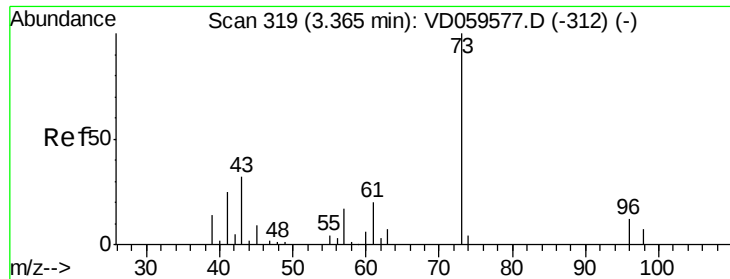
#18
Methyl Acetate
Concen: 56.027 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 43 Resp: 31087
Ion Ratio Lower Upper
43 100
74 13.4 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

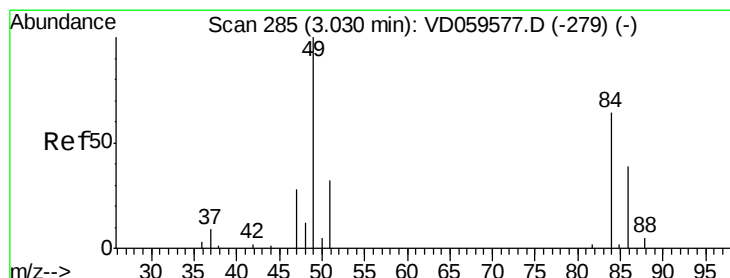
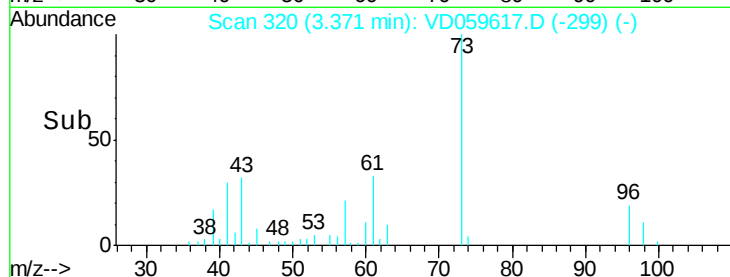
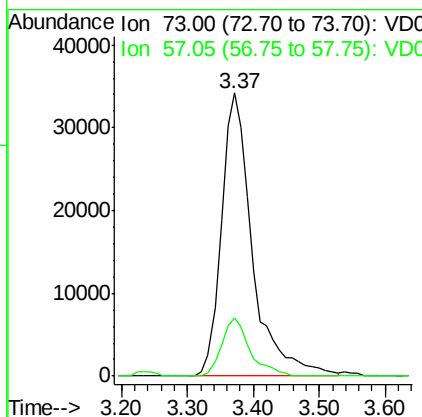
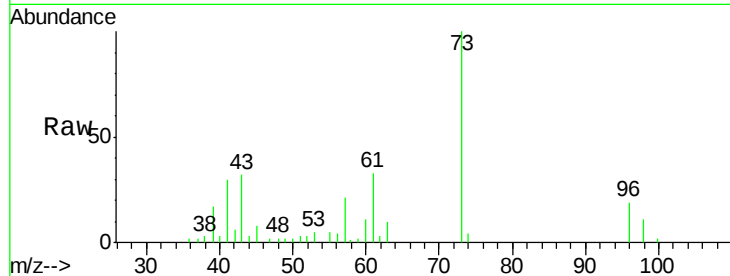




#19
Methyl tert-butyl Ether
Concen: 54.119 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

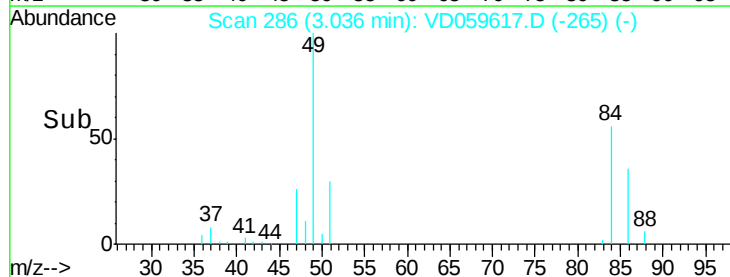
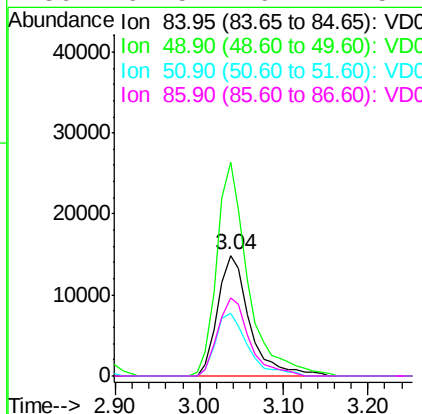
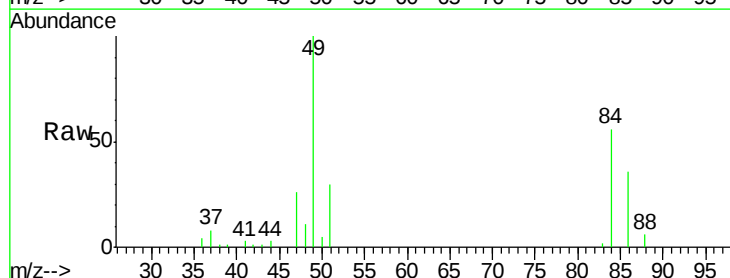
Instrument :
MSVOA_D
ClientSampleId :

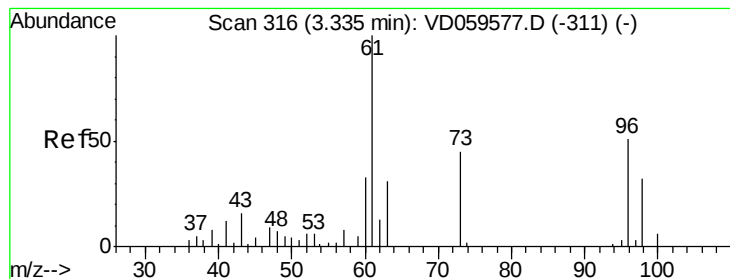
Tot Ion: 73 Resp: 112348
Ion Ratio Lower Upper
73 100
57 20.6 13.4 20.2#



#20
Methylene Chloride
Concen: 49.364 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 84 Resp: 39055
Ion Ratio Lower Upper
84 100
49 177.4 125.4 188.2
51 52.7 39.7 59.5
86 64.5 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 54.374 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampled :

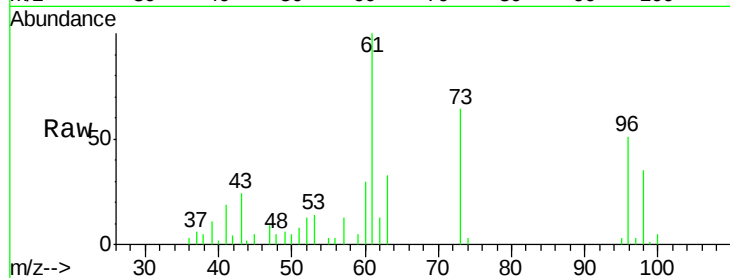
Tot Ion: 96 Resp: 36315

Ion Ratio Lower Upper

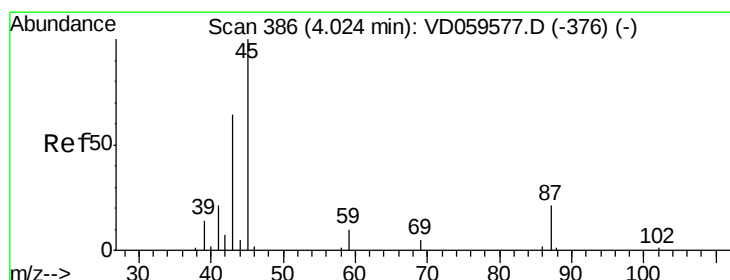
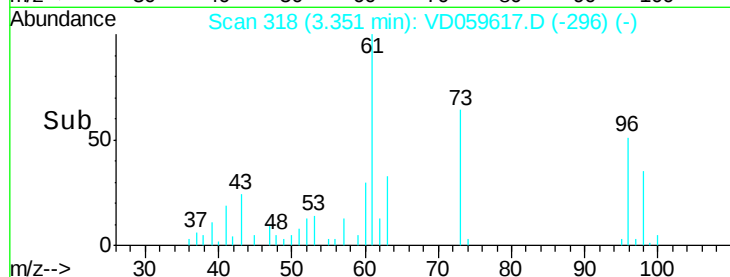
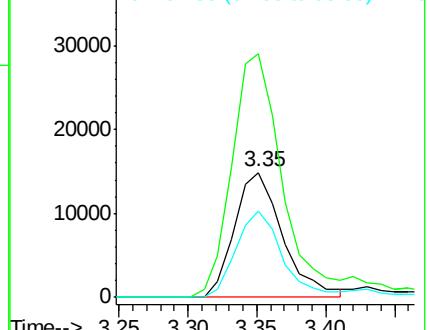
96 100

61 194.6 155.8 233.6

98 68.9 49.1 73.7



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: 48.526 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Tgt Ion: 45 Resp: 191630

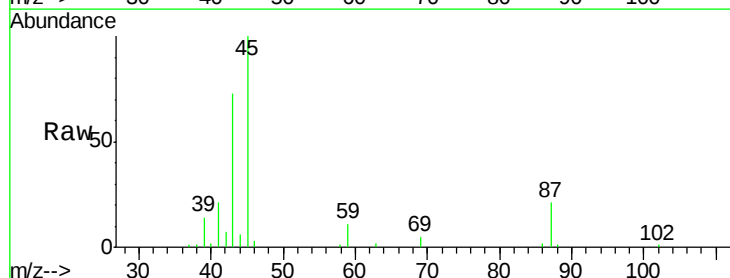
Ion Ratio Lower Upper

45 100

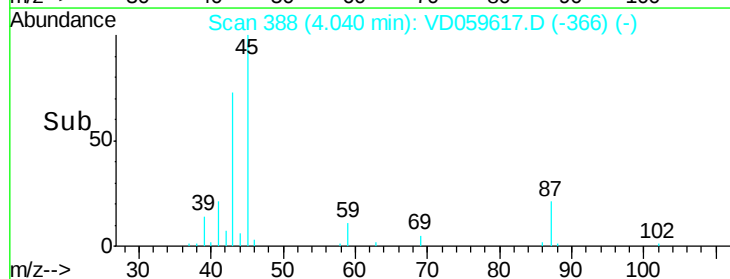
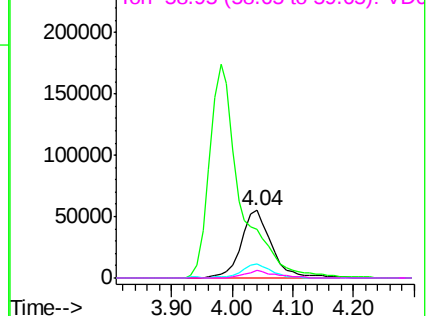
43 72.8 59.4 89.2

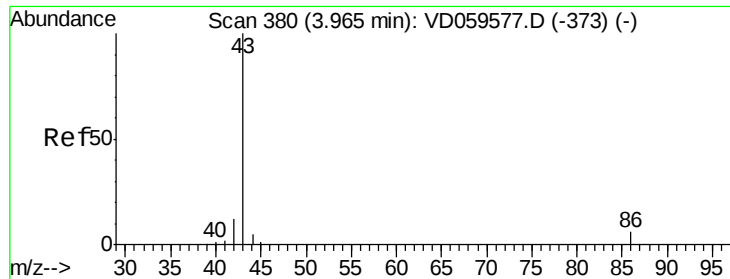
87 21.1 16.7 25.1

59 10.8 8.2 12.4



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: 242.491 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

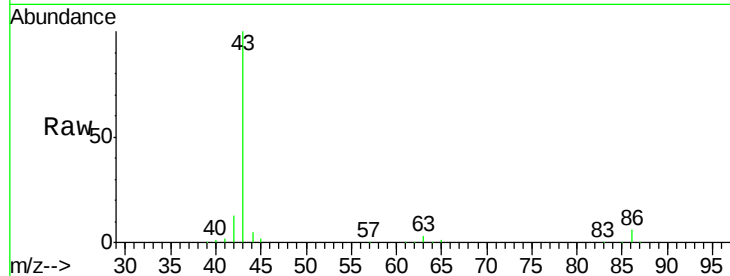
ClientSampleId :

Tot Ion: 43 Resp: 607750

Ion Ratio Lower Upper

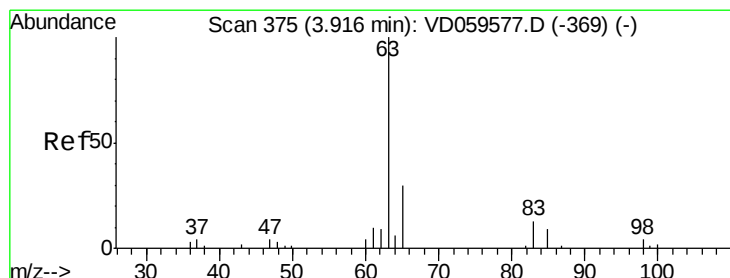
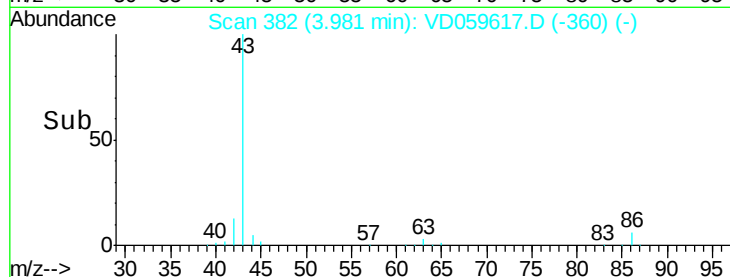
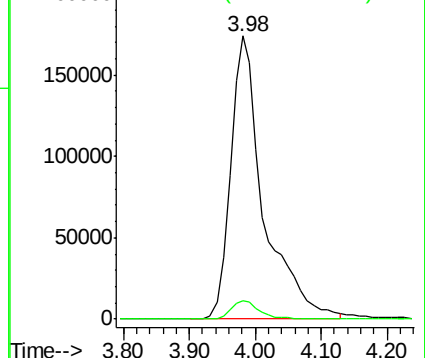
43 100

86 6.4 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.525 ug/l

RT: 3.93 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

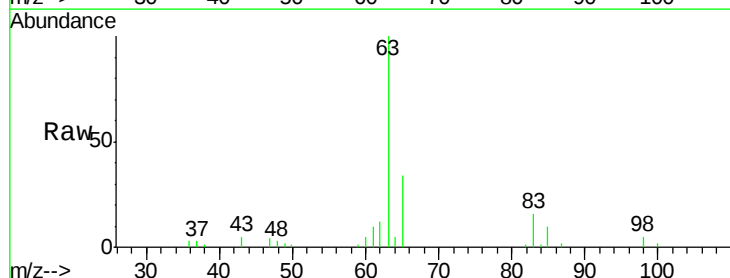
Tgt Ion: 63 Resp: 128450

Ion Ratio Lower Upper

63 100

98 4.7 1.8 5.5

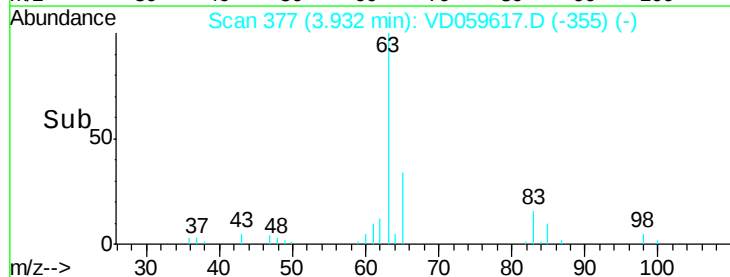
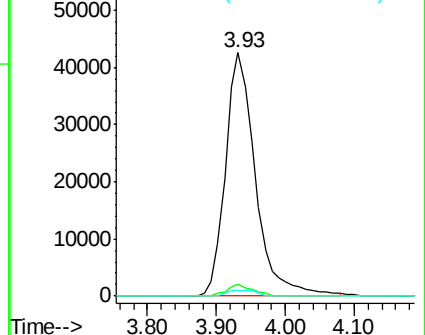
100 2.4 1.1 3.3

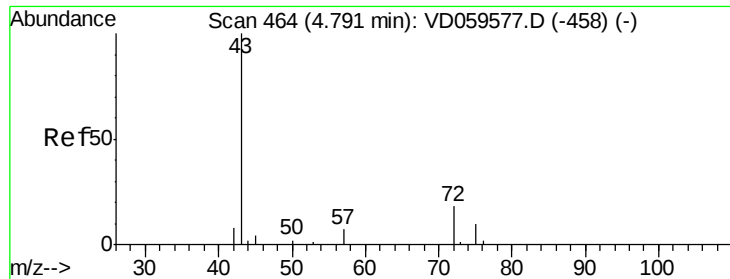


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 247.838 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

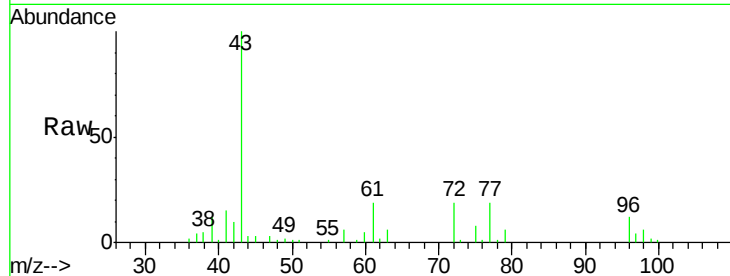
ClientSampled :

Tot Ion: 43 Resp: 104867

Ion Ratio Lower Upper

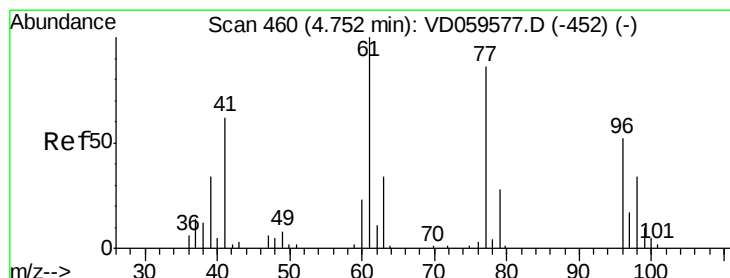
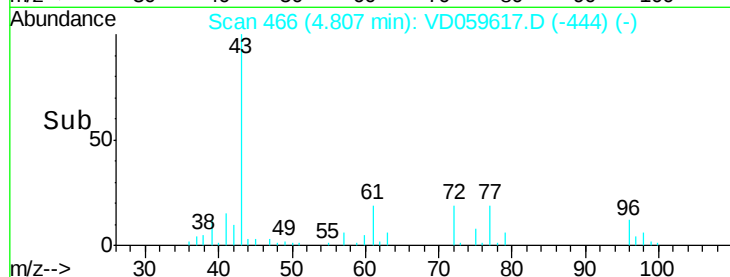
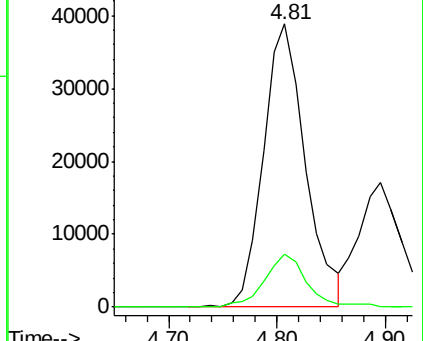
43 100

72 18.9 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.256 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.02 min

Lab File: VD059617.D

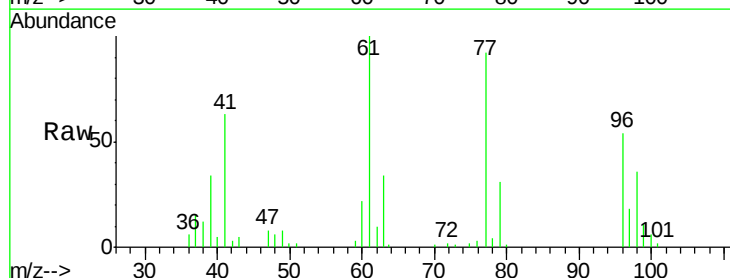
Acq: 27 Jul 2018 17:24

Tgt Ion: 77 Resp: 138521

Ion Ratio Lower Upper

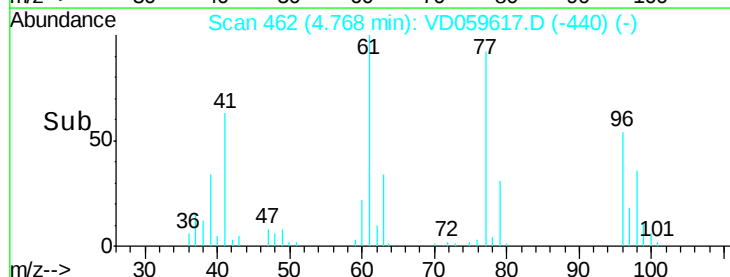
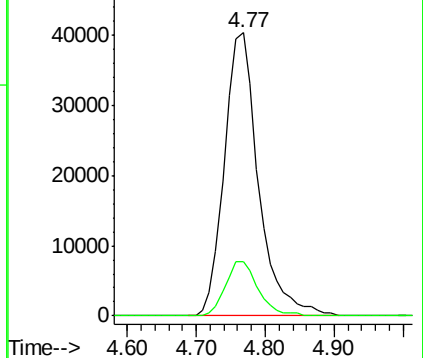
77 100

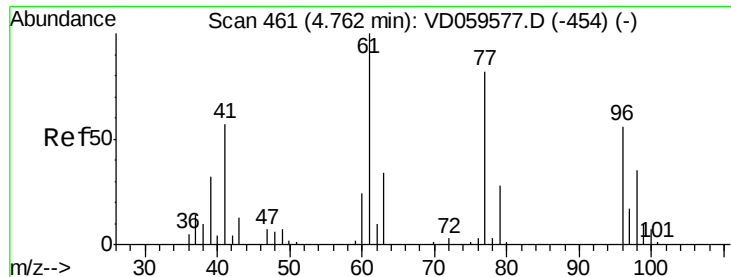
97 19.4 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



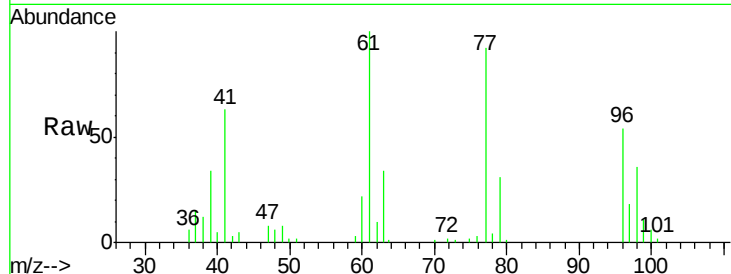


#27

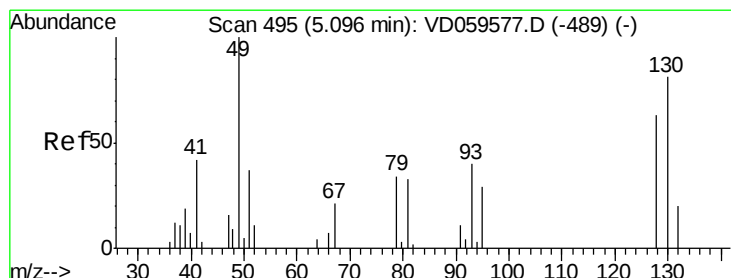
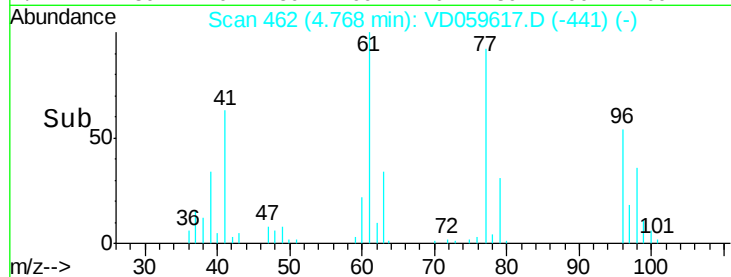
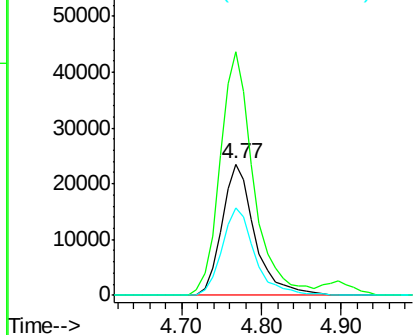
cis-1,2-Dichloroethene
Concen: 50.982 ug/l
RT: 4.77 min Scan# 462
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 68012
Ion Ratio Lower Upper
96 100
61 185.1 0.0 355.0
98 66.3 0.0 125.8



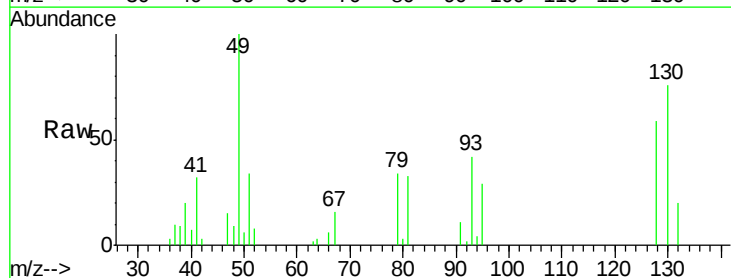
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



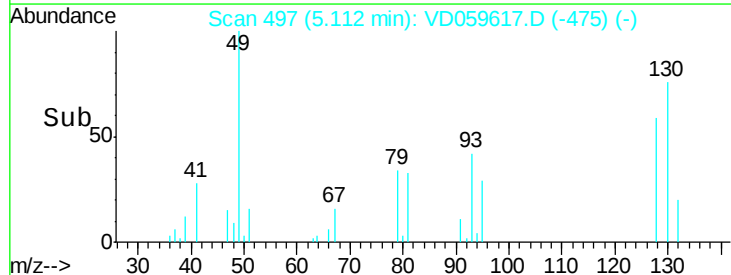
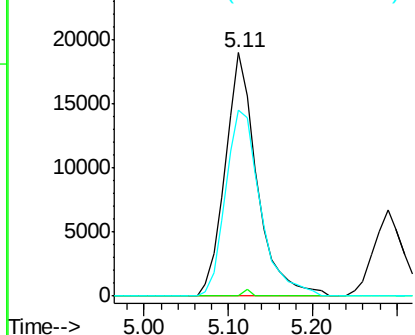
#28

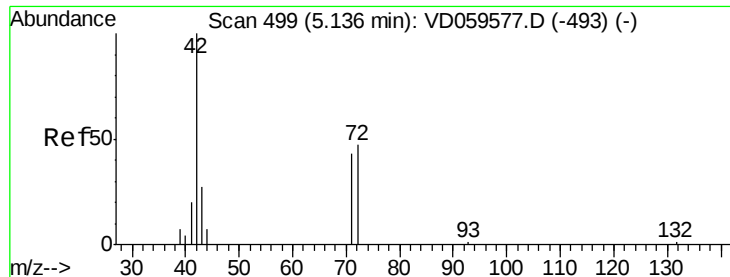
Bromochloromethane
Concen: 50.412 ug/l
RT: 5.11 min Scan# 497
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 49 Resp: 49727
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 76.4 64.6 96.8



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





#29

Tetrahydrofuran

Concen: 241.125 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampled :

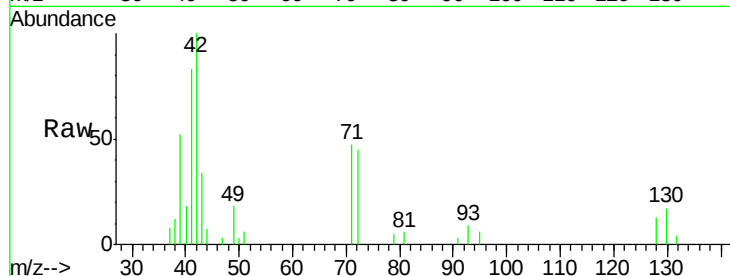
Tot Ion: 42 Resp: 47241

Ion Ratio Lower Upper

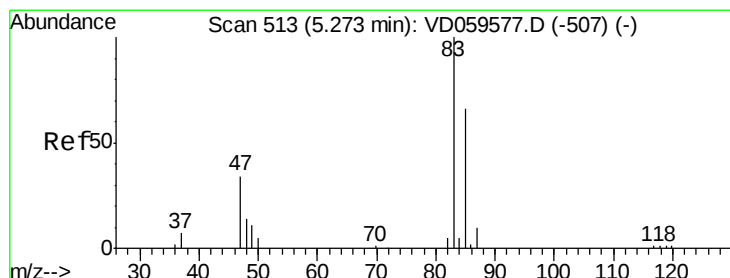
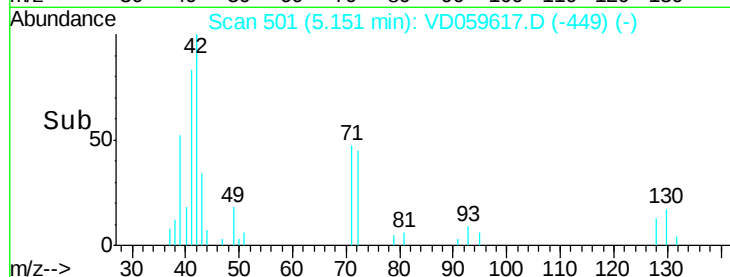
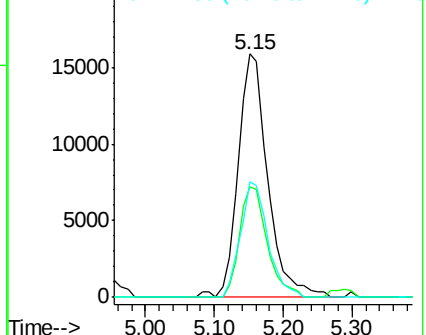
42 100

72 42.3 35.0 52.4

71 44.0 34.2 51.2



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.245 ug/l

RT: 5.29 min Scan# 515

Delta R.T. 0.02 min

Lab File: VD059617.D

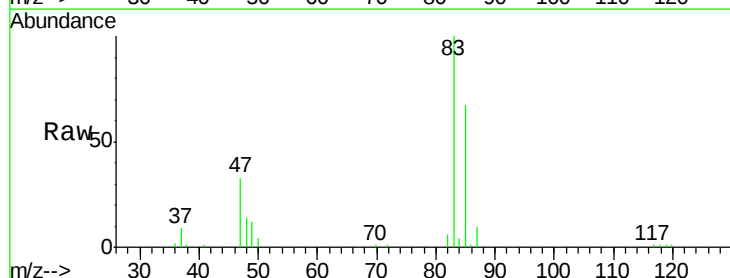
Acq: 27 Jul 2018 17:24

Tgt Ion: 83 Resp: 155777

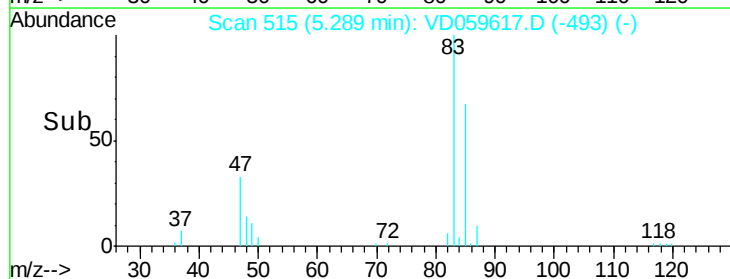
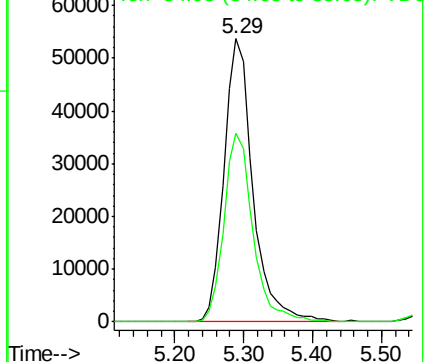
Ion Ratio Lower Upper

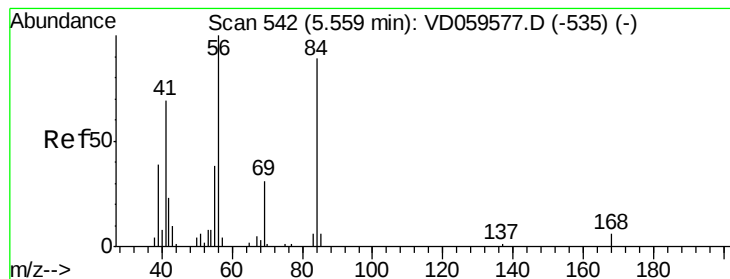
83 100

85 66.5 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 53.232 ug/l

RT: 5.56 min Scan# 543

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampleId :

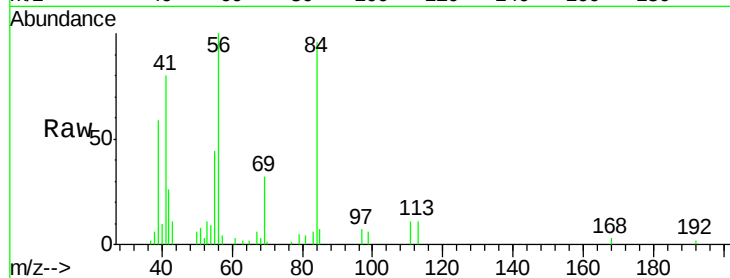
Tot Ion: 56 Resp: 84579

Ion Ratio Lower Upper

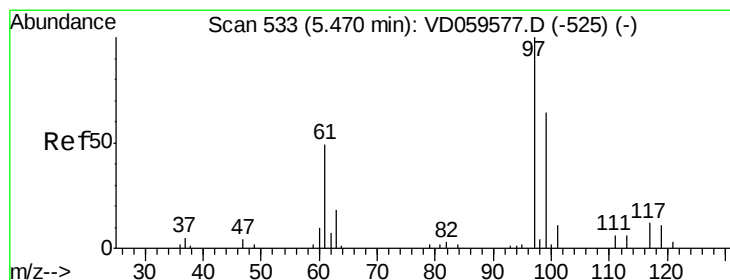
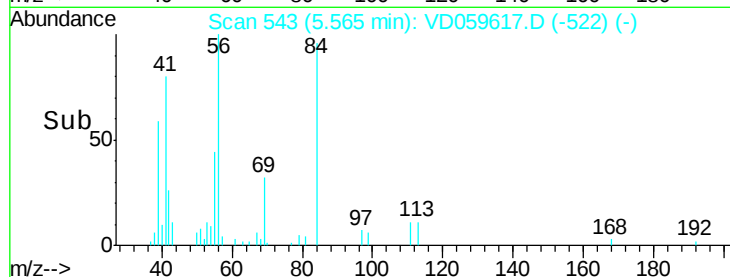
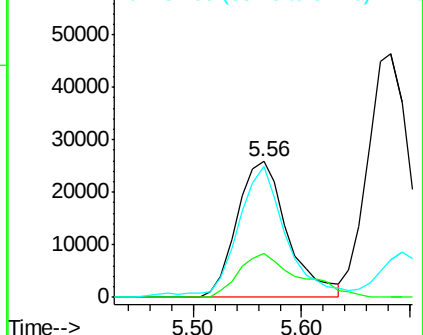
56 100

69 32.0 24.6 37.0

84 96.1 72.7 109.1



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: 53.915 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

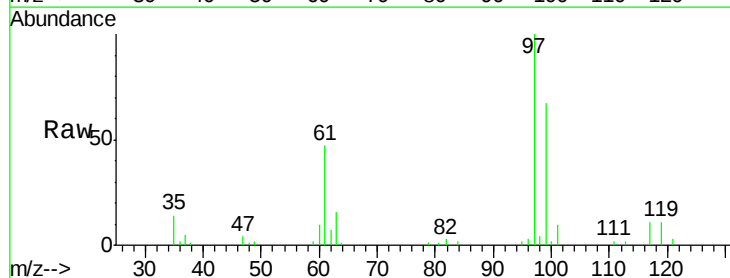
Tgt Ion: 97 Resp: 155635

Ion Ratio Lower Upper

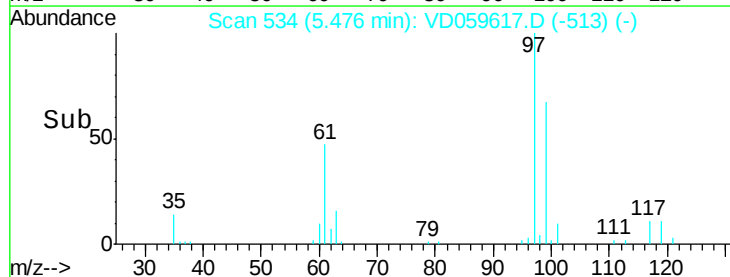
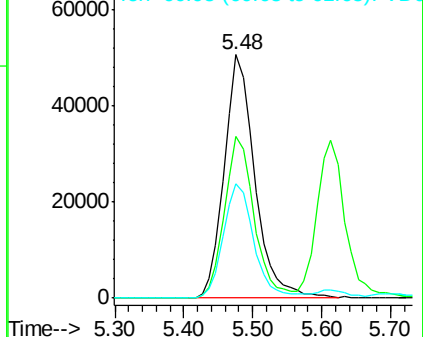
97 100

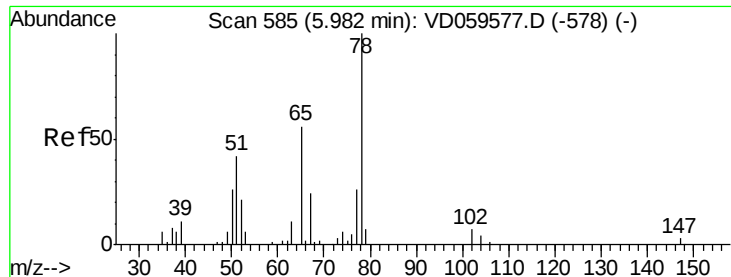
99 66.6 50.9 76.3

61 47.0 39.2 58.8



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: 53.915 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

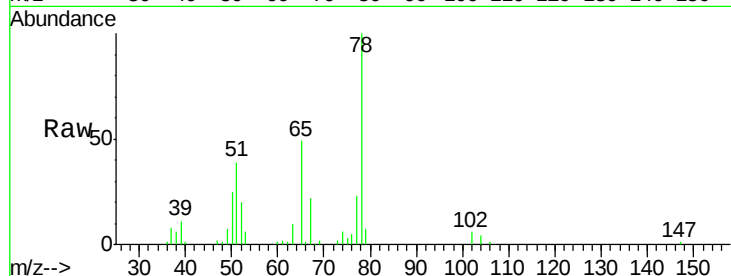
ClientSampleId :

Tot Ion: 65 Resp: 91981

Ion Ratio Lower Upper

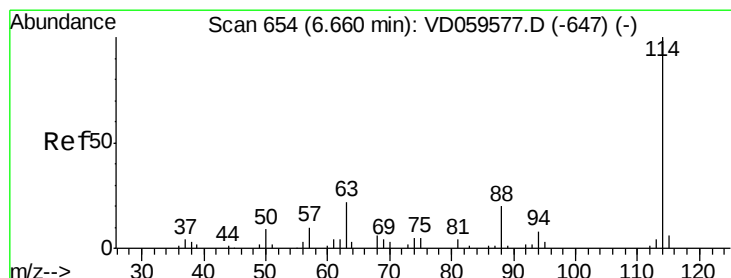
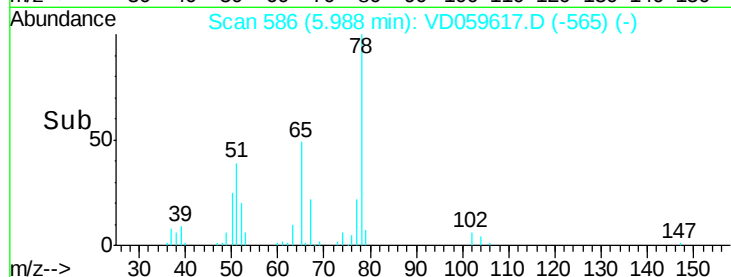
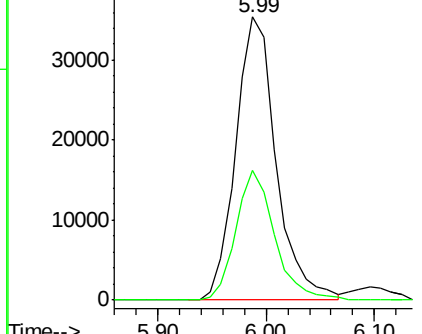
65 100

67 45.7 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.67 min Scan# 655

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

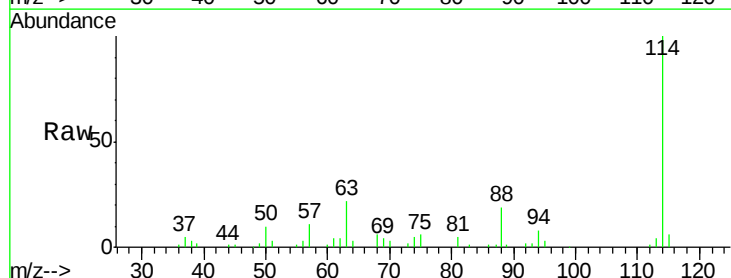
Tgt Ion: 114 Resp: 172385

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.8

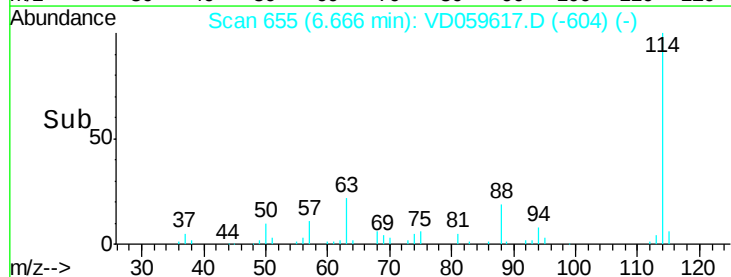
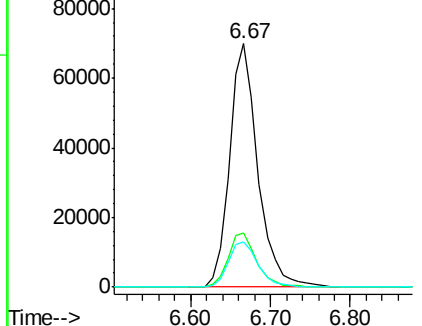
88 18.6 0.0 39.0

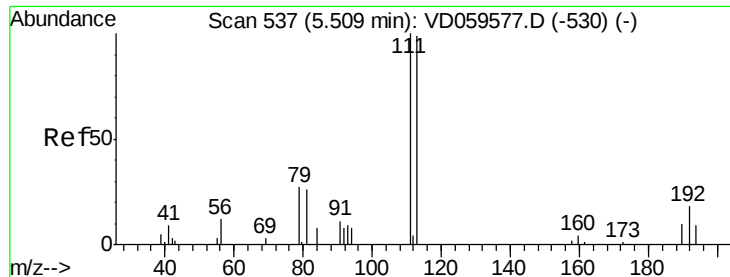


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

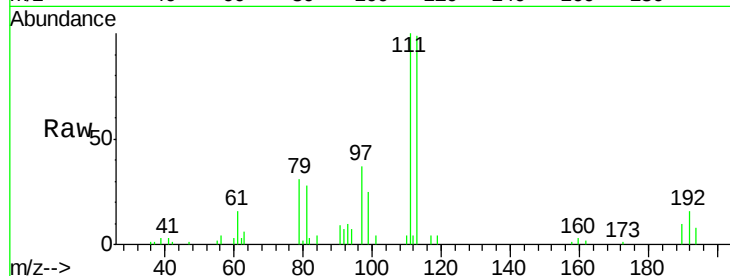




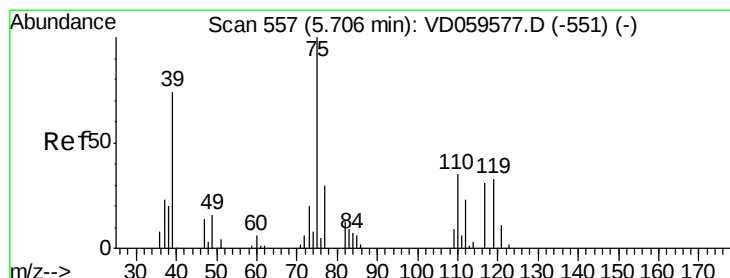
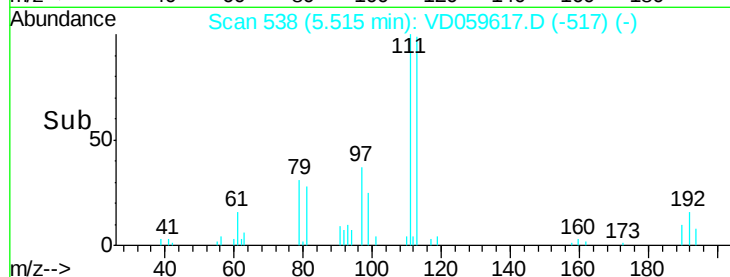
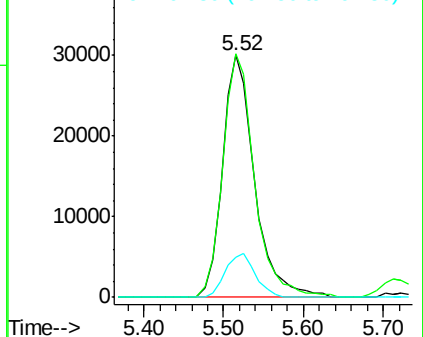
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 84140
 Ion Ratio Lower Upper
 113 100
 111 100.5 80.5 120.7
 192 16.5 14.5 21.7

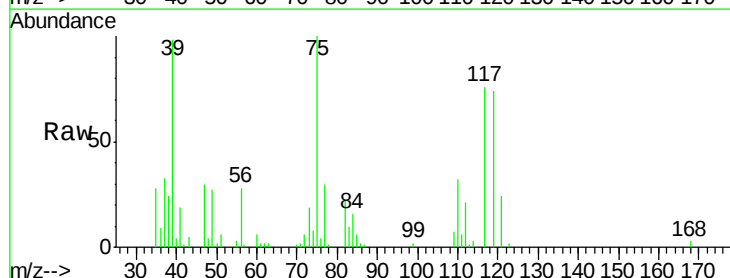


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

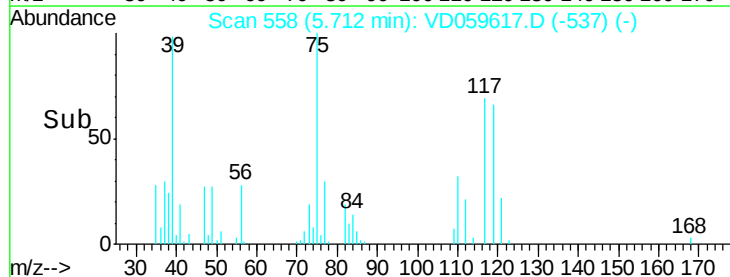
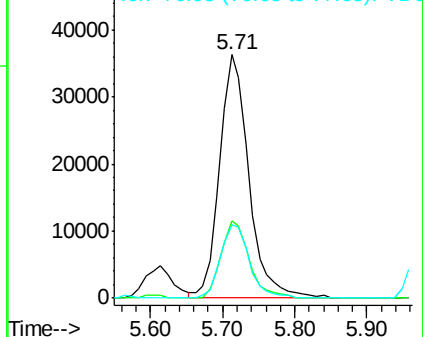


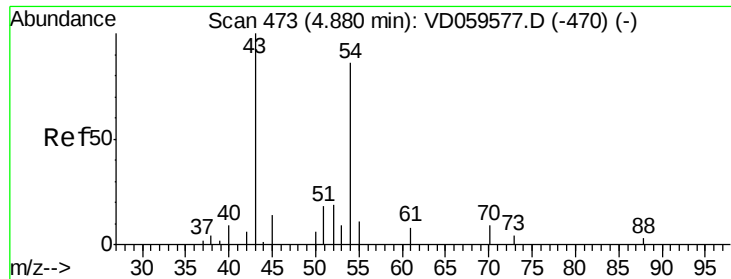
#36
 1,1-Dichloropropene
 Concen: 58.970 ug/l
 RT: 5.71 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Tgt Ion: 75 Resp: 102006
 Ion Ratio Lower Upper
 75 100
 110 31.7 17.0 50.9
 77 29.9 23.6 35.4



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

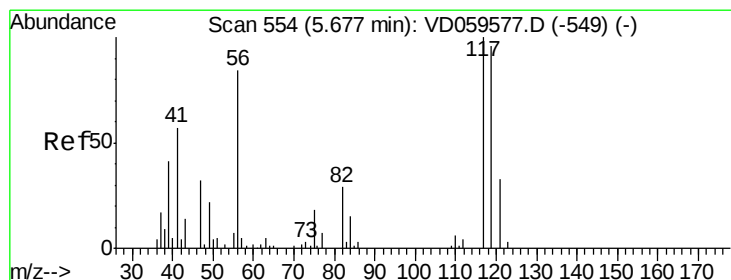
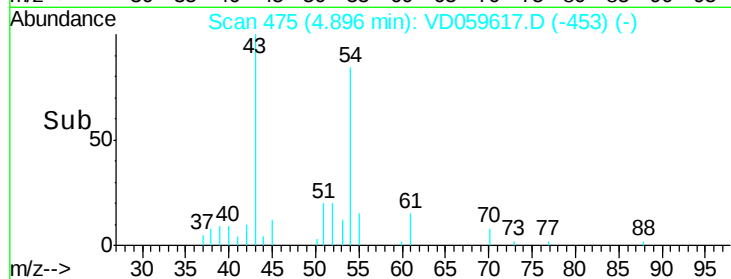
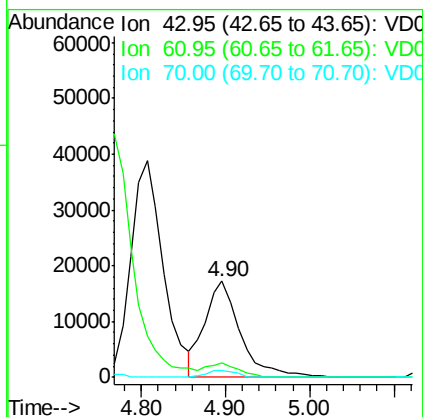
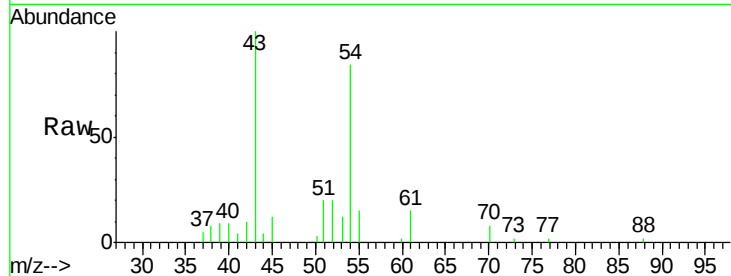




#37
Ethyl Acetate
Concen: 57.001 ug/l
RT: 4.90 min Scan# 475
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

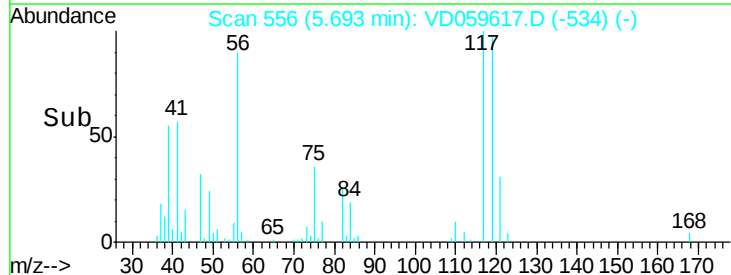
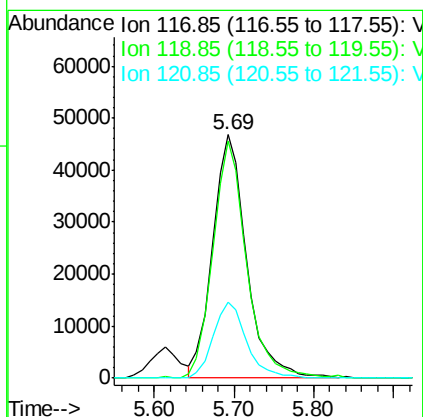
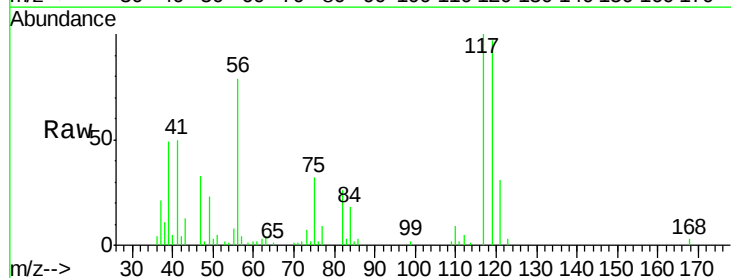
Instrument :
MSVOA_D
ClientSampled :

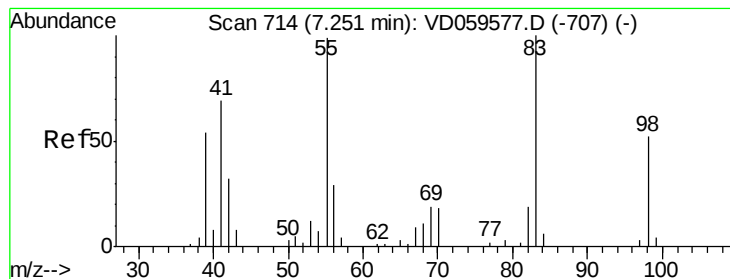
Tot Ion: 43 Resp: 50721
Ion Ratio Lower Upper
43 100
61 15.2 10.7 16.1
70 7.8 5.4 8.0



#38
Carbon Tetrachloride
Concen: 59.113 ug/l
RT: 5.69 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 117 Resp: 140020
Ion Ratio Lower Upper
117 100
119 97.5 73.6 110.4
121 31.1 25.0 37.6





#39

Methvlcvclohexane

Concen: 54.457 ug/l

RT: 7.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampled :

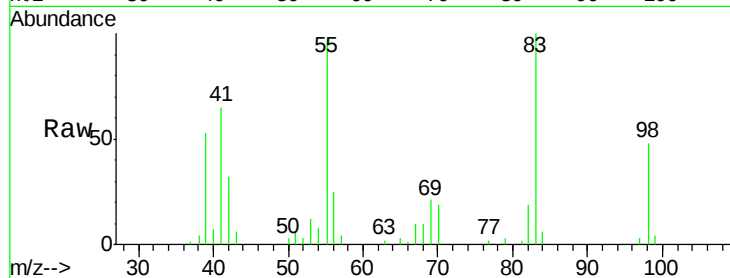
Tot Ion: 83 Resp: 86624

Ion Ratio Lower Upper

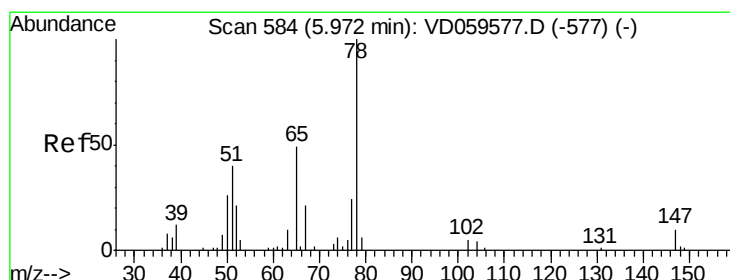
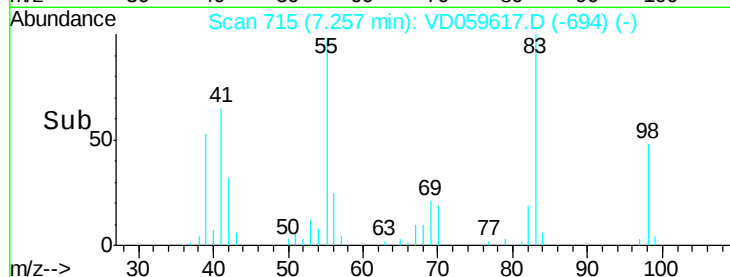
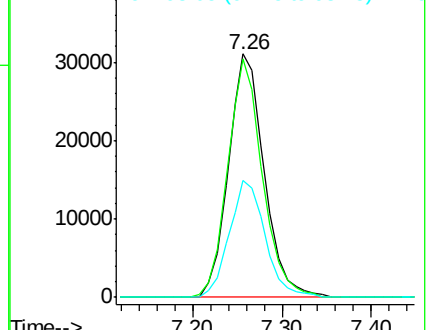
83 100

55 98.0 79.4 119.0

98 48.3 41.6 62.4



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: 56.238 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.02 min

Lab File: VD059617.D

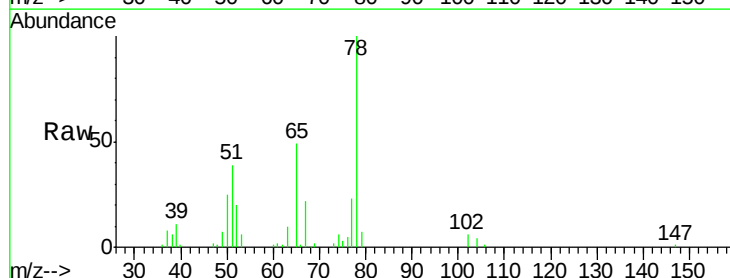
Acq: 27 Jul 2018 17:24

Tgt Ion: 78 Resp: 199493

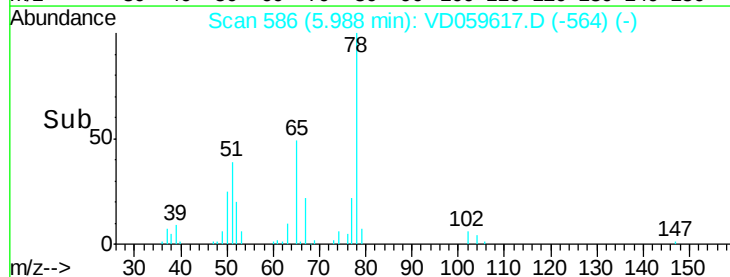
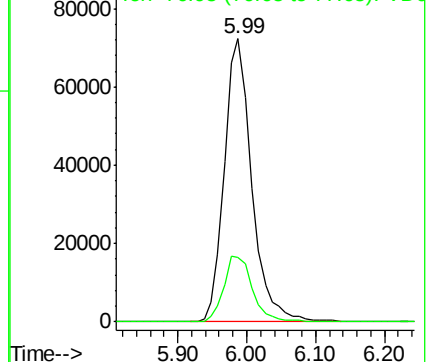
Ion Ratio Lower Upper

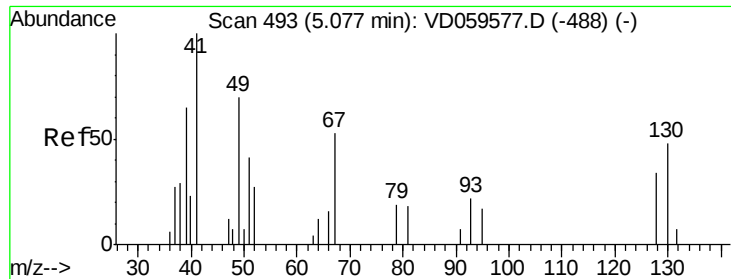
78 100

77 22.9 19.0 28.6



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

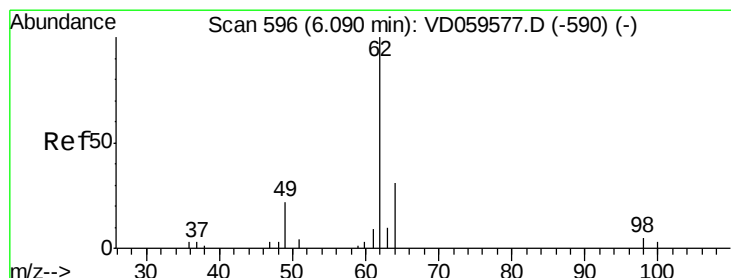
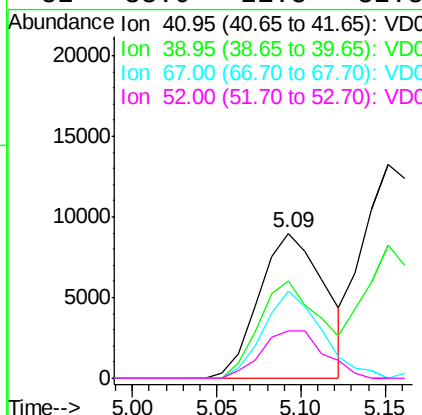
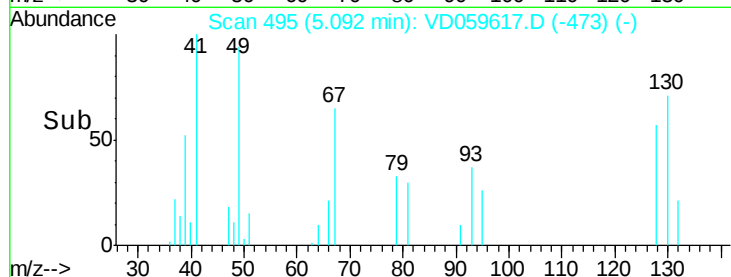
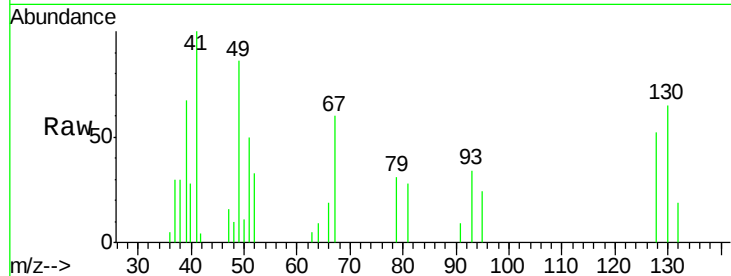




#41
Methacrylonitrile
Concen: 54.721 ug/l
RT: 5.09 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

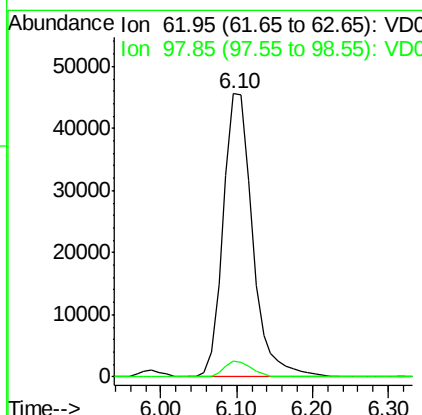
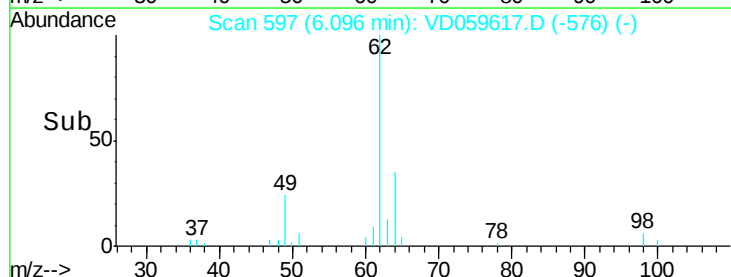
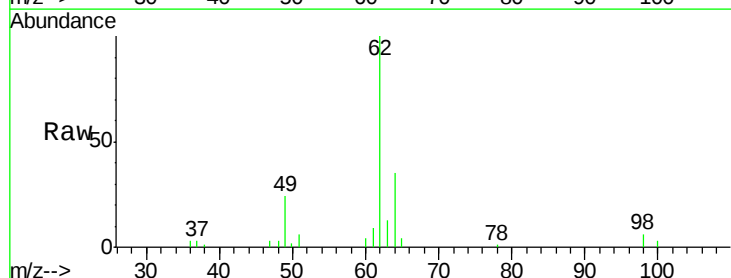
Instrument :
MSVOA_D
ClientSampleId :

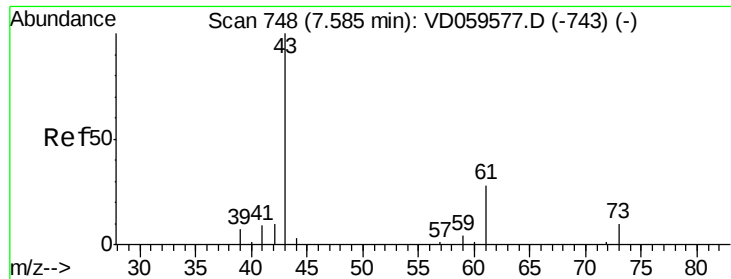
Tot Ion: 41 Resp: 24299
Ion Ratio Lower Upper
41 100
39 67.3 52.1 78.1
67 59.5 42.5 63.7
52 33.0 21.8 32.8#



#42
1,2-Dichloroethane
Concen: 57.363 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 62 Resp: 122598
Ion Ratio Lower Upper
62 100
98 5.6 0.0 10.2



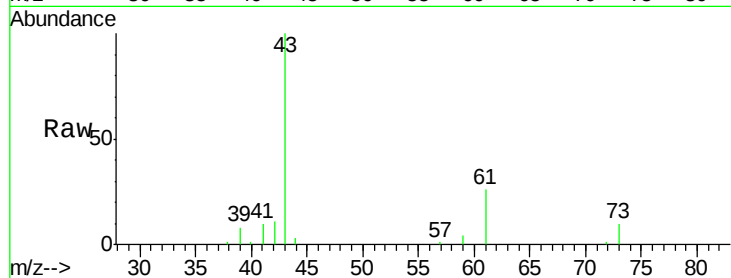


#43

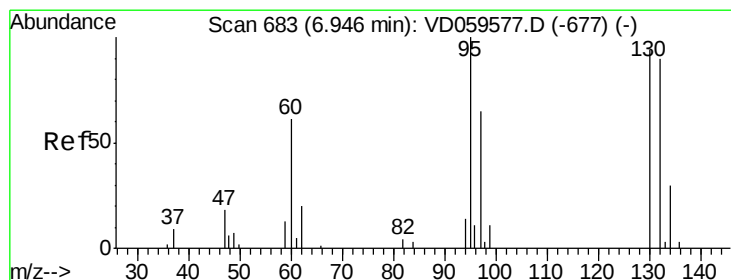
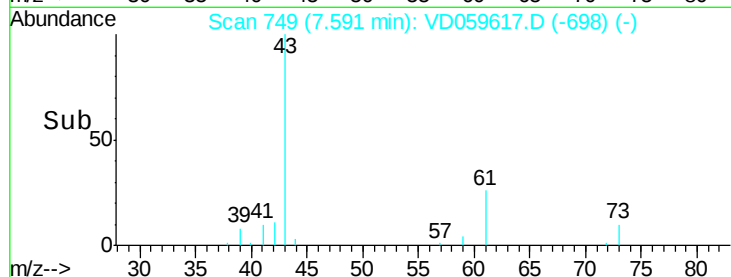
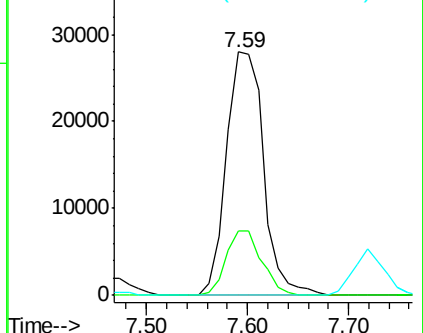
Isopropyl Acetate
 Concen: 57.967 ug/l
 RT: 7.59 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 71525
 Ion Ratio Lower Upper
 43 100
 61 26.4 22.0 33.0
 87 0.0 0.0 0.0



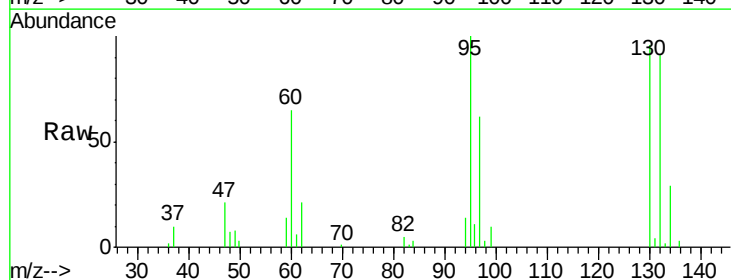
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



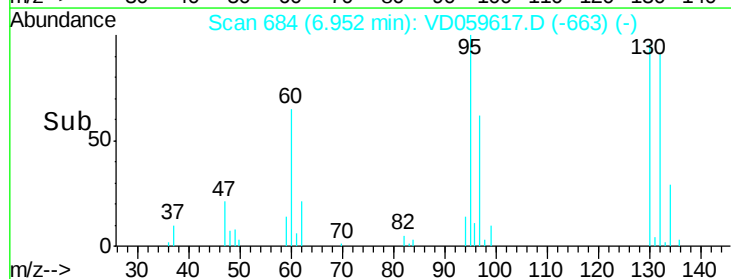
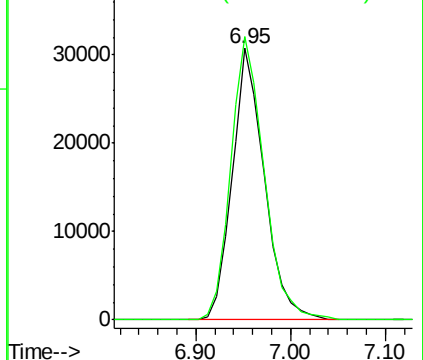
#44

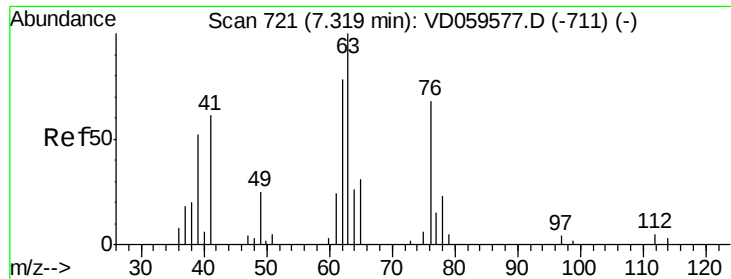
Trichloroethene
 Concen: 56.094 ug/l
 RT: 6.95 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Tgt Ion: 130 Resp: 72172
 Ion Ratio Lower Upper
 130 100
 95 104.3 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 54.836 ug/l

RT: 7.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

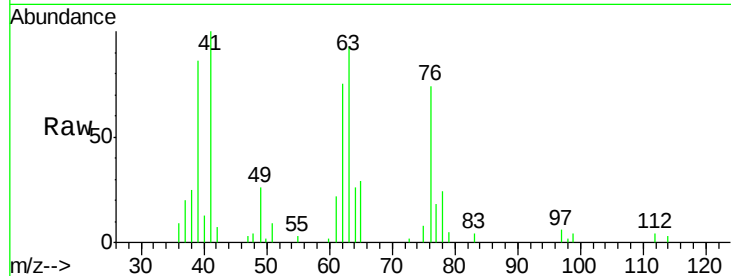
ClientSampleId :

Tot Ion: 63 Resp: 54474

Ion Ratio Lower Upper

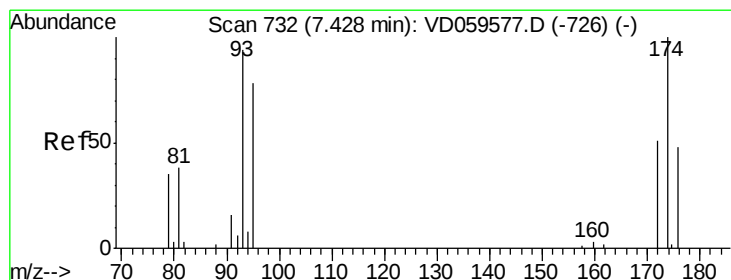
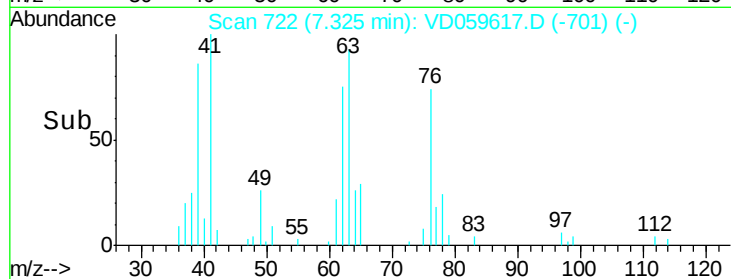
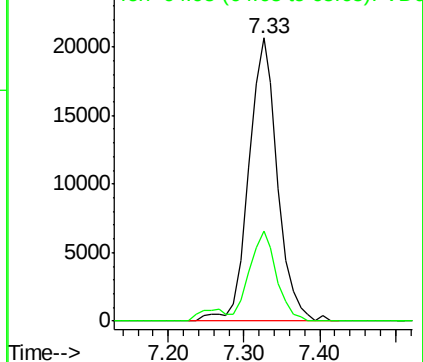
63 100

65 31.6 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: 55.290 ug/l

RT: 7.43 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

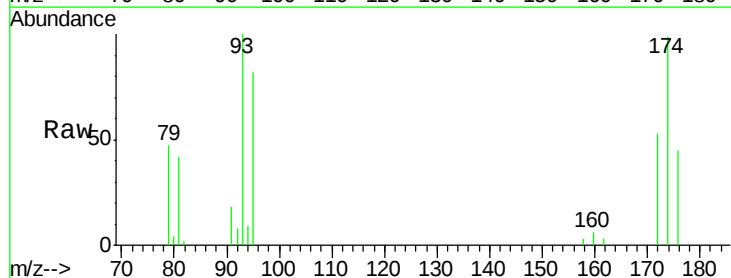
Tgt Ion: 93 Resp: 46426

Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.8

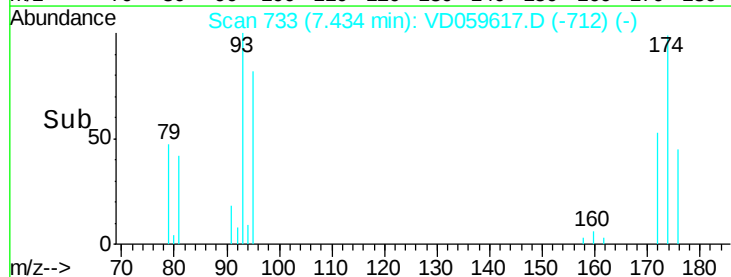
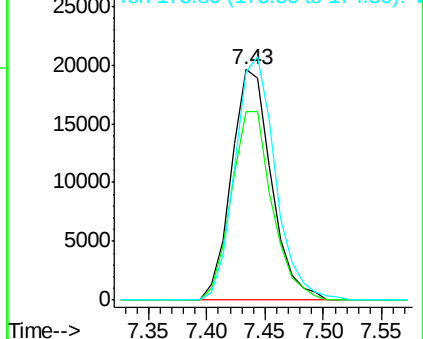
174 99.3 84.7 127.1

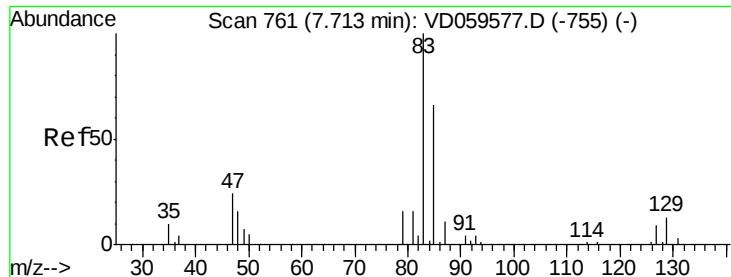


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 57.961 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampleId :

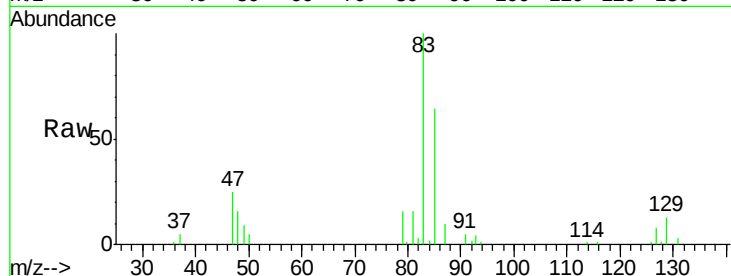
Tot Ion: 83 Resp: 116239

Ion Ratio Lower Upper

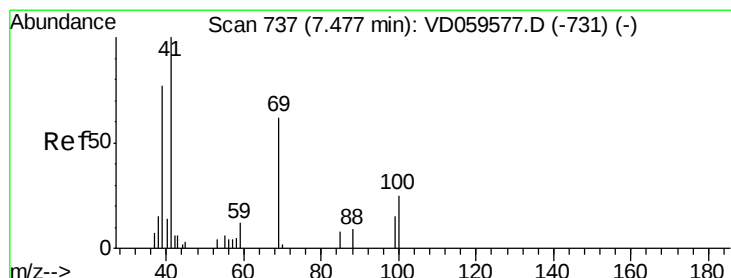
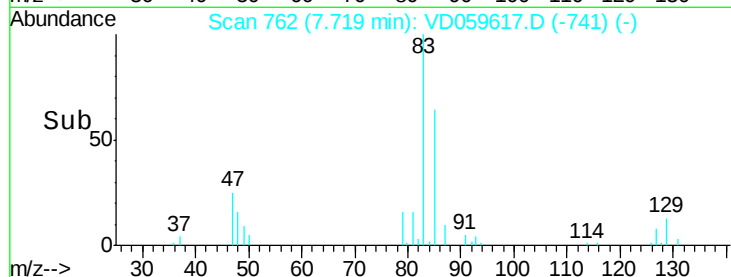
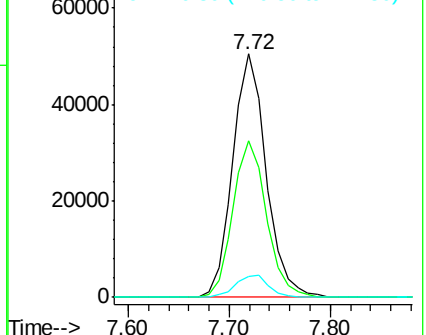
83 100

85 64.1 53.1 79.7

127 8.4 7.4 11.0



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: 58.309 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

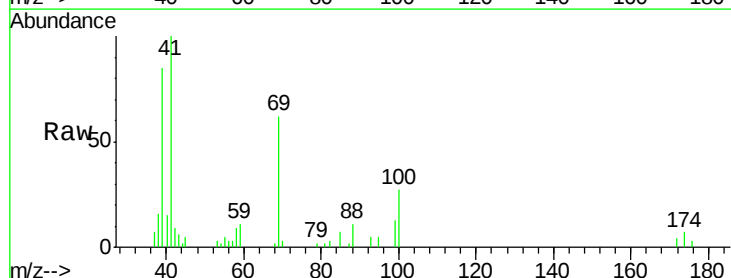
Tgt Ion: 41 Resp: 47714

Ion Ratio Lower Upper

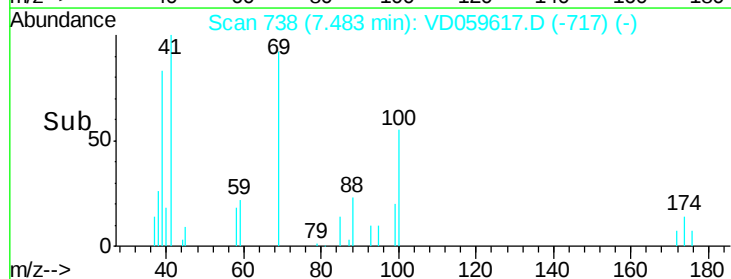
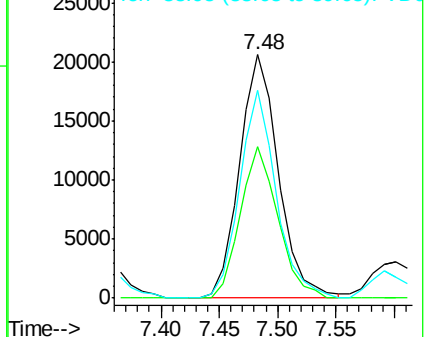
41 100

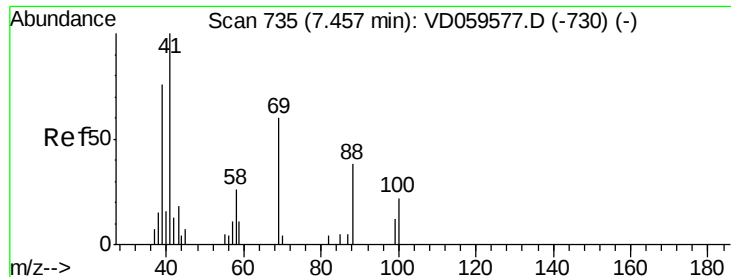
69 62.4 49.4 74.0

39 85.3 61.3 91.9



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

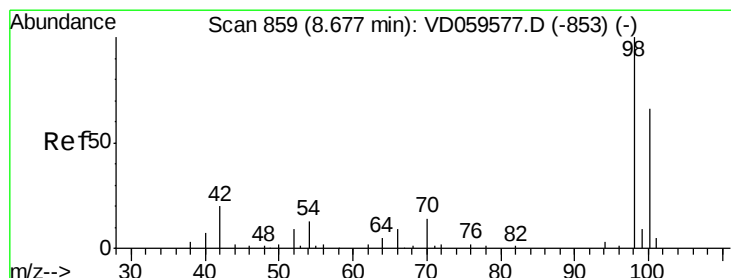
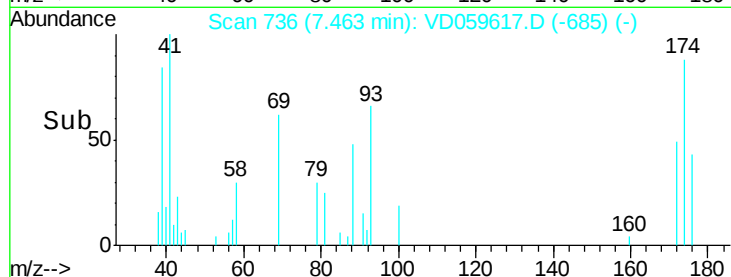
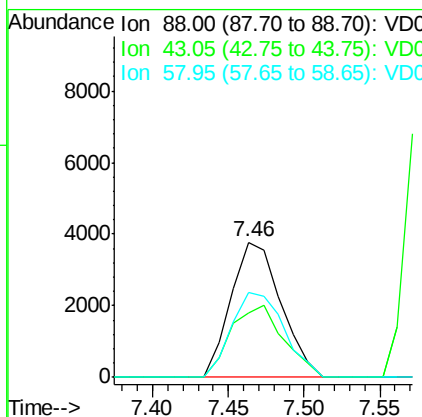
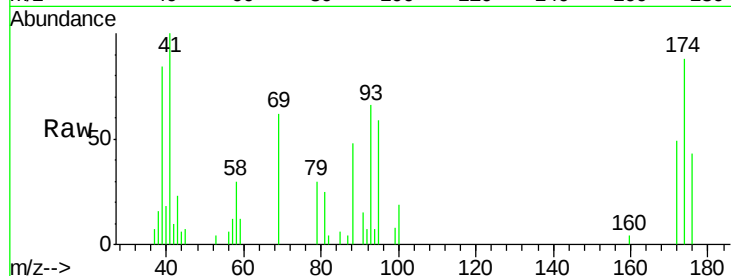




#49
1,4-Dioxane
Concen: 1128.953 ug/l
RT: 7.46 min Scan# 736
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

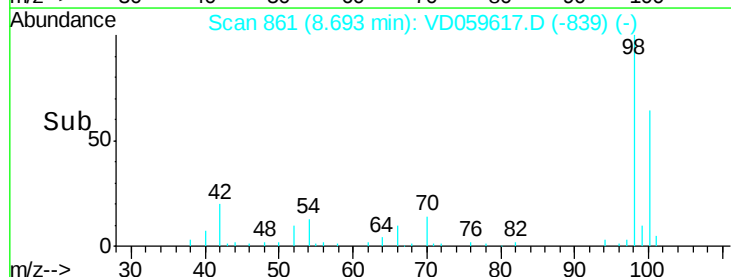
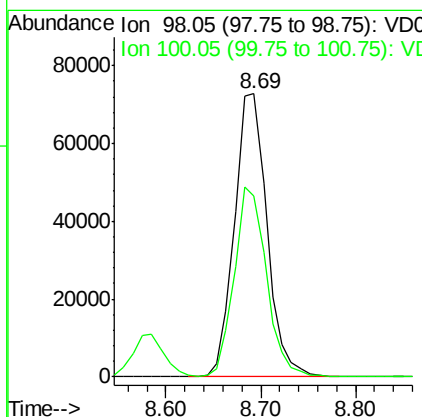
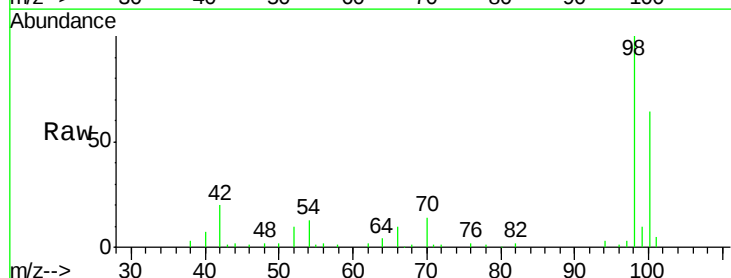
Instrument :
MSVOA_D
ClientSampleId :

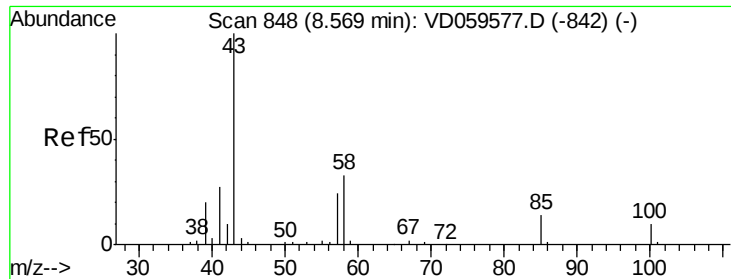
Tot Ion: 88 Resp: 8664
Ion Ratio Lower Upper
88 100
43 47.7 37.4 56.2
58 62.9 55.6 83.4



#50
Toluene-d8
Concen: 1128.953 ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 98 Resp: 173736
Ion Ratio Lower Upper
98 100
100 64.1 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 271.512 ug/l

RT: 8.57 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

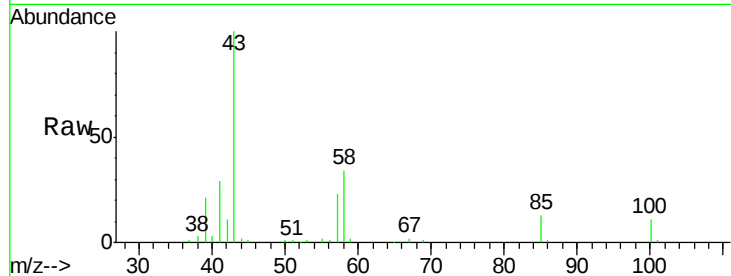
ClientSampled :

Tot Ion: 43 Resp: 223715

Ion Ratio Lower Upper

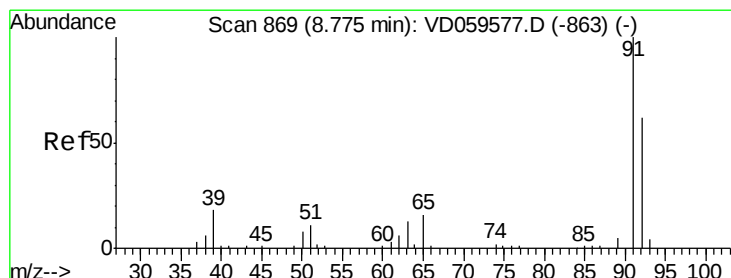
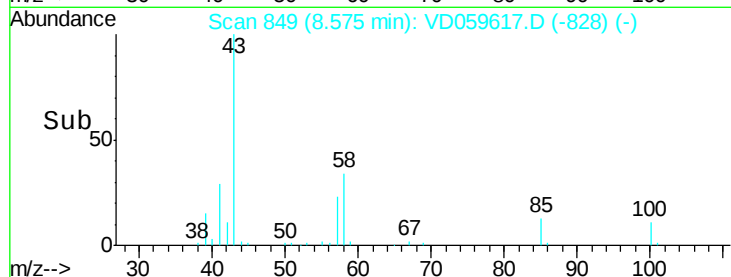
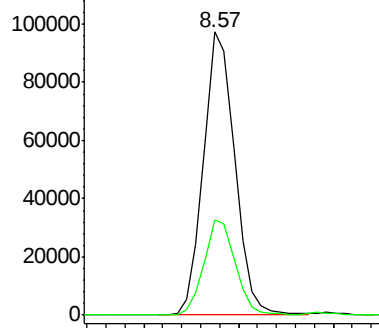
43 100

58 33.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.420 ug/l

RT: 8.78 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059617.D

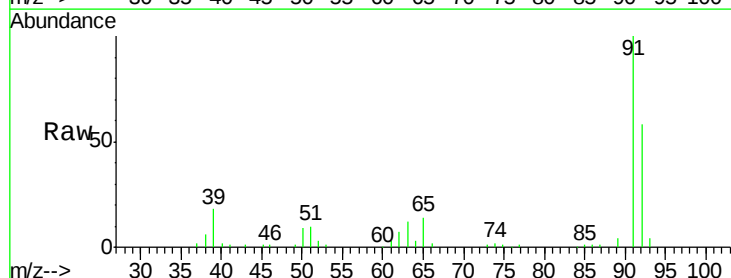
Acq: 27 Jul 2018 17:24

Tgt Ion: 92 Resp: 128006

Ion Ratio Lower Upper

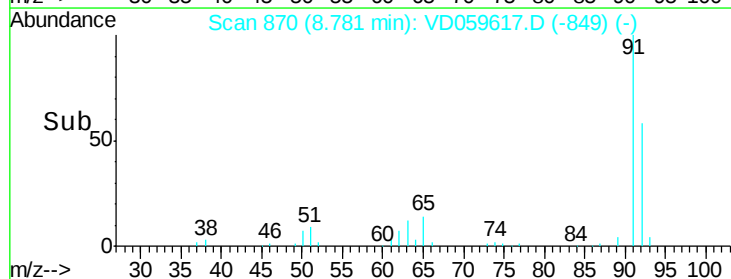
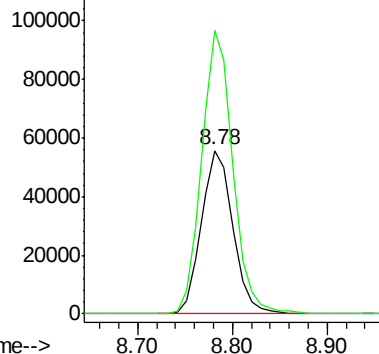
92 100

91 173.4 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

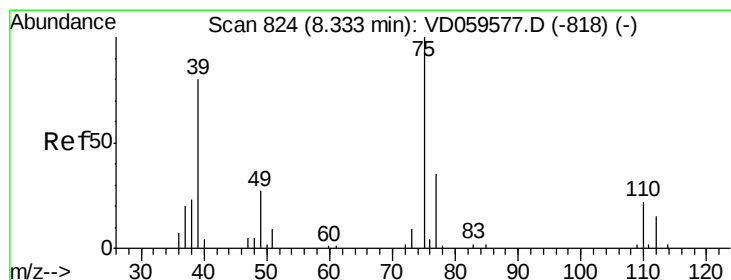
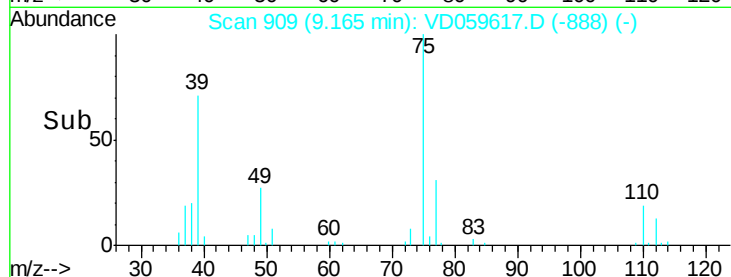
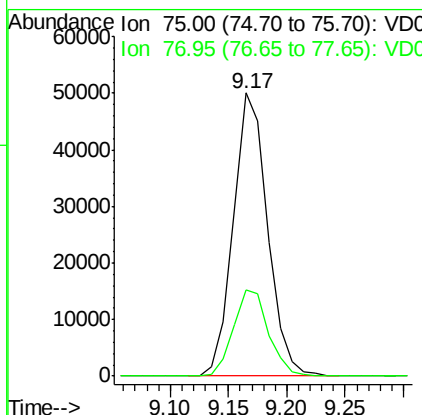
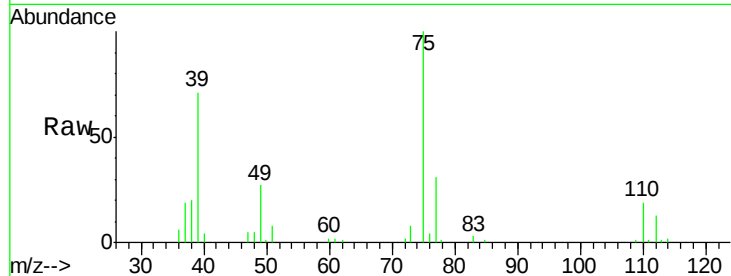




#53
t-1,3-Dichloropropene
Concen: 56.093 ug/l
RT: 9.17 min Scan# 909
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

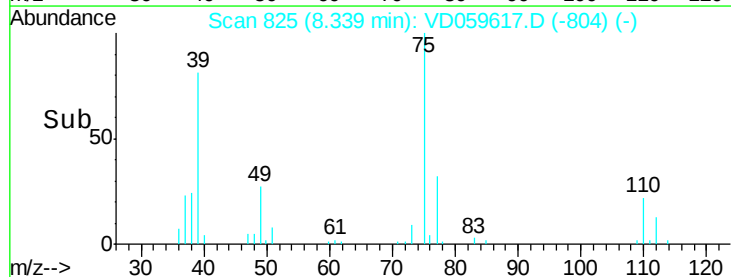
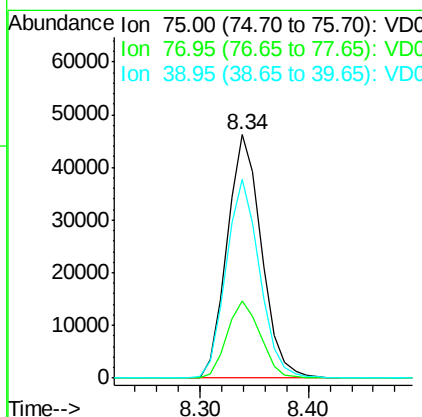
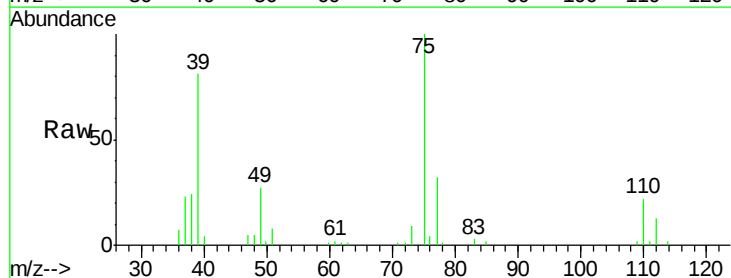
Instrument :
MSVOA_D
ClientSampleId :

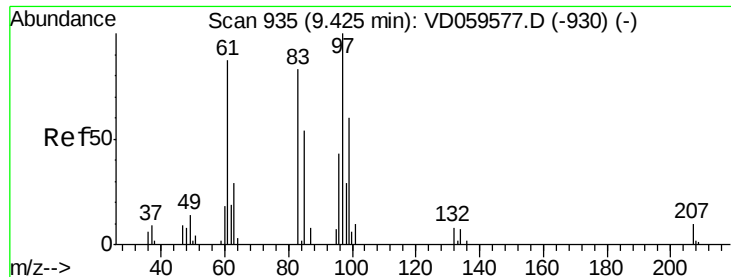
Tot Ion: 75 Resp: 101464
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 56.639 ug/l
RT: 8.34 min Scan# 825
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 75 Resp: 101738
Ion Ratio Lower Upper
75 100
77 32.0 27.7 41.5
39 81.5 63.8 95.8

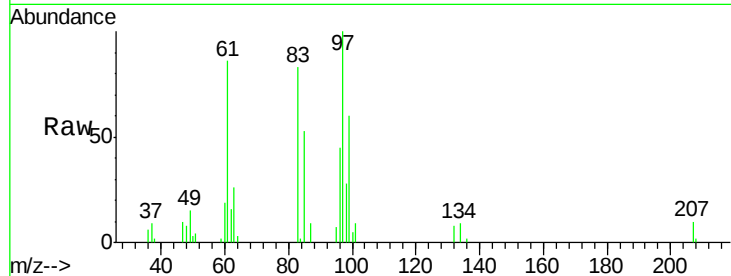




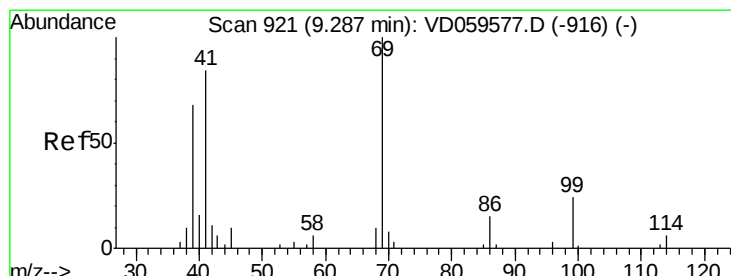
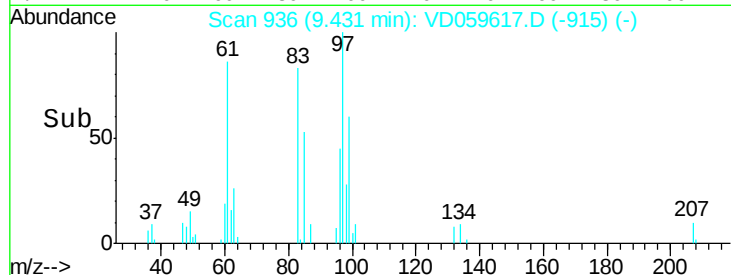
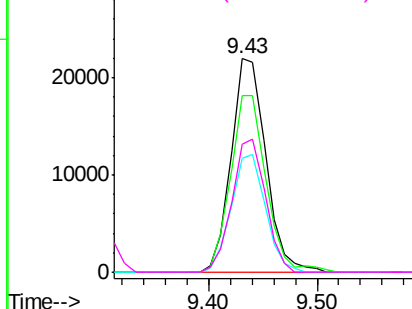
#55
1,1,2-Trichloroethane
Concen: 55.501 ug/l
RT: 9.43 min Scan# 936
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 49046
Ion Ratio Lower Upper
97 100
83 82.9 66.3 99.5
85 53.1 43.0 64.6
99 60.2 47.7 71.5

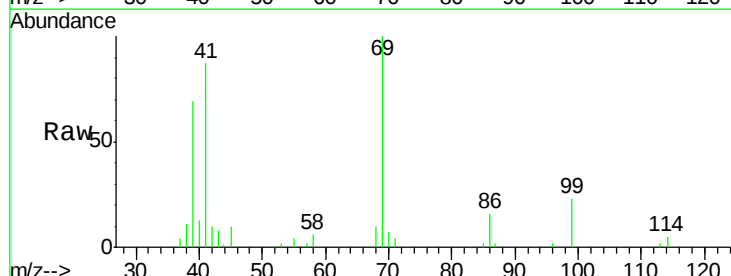


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

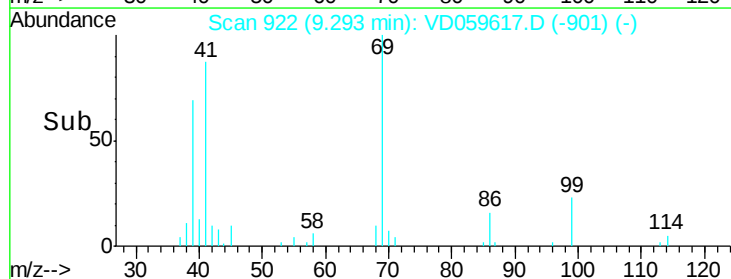
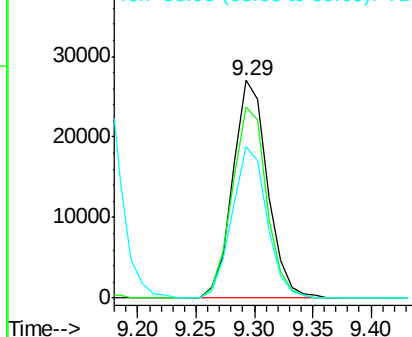


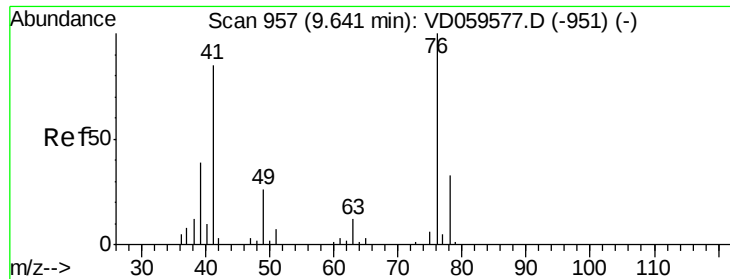
#56
Ethyl methacrylate
Concen: 55.609 ug/l
RT: 9.29 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 69 Resp: 55754
Ion Ratio Lower Upper
69 100
41 87.4 66.8 100.2
39 69.4 54.7 82.1



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: 56.093 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

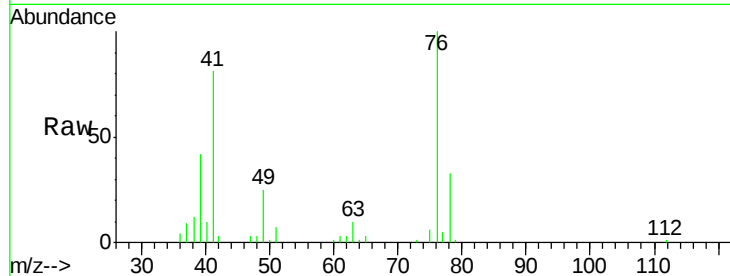
ClientSampleId :

Tot Ion: 76 Resp: 78762

Ion Ratio Lower Upper

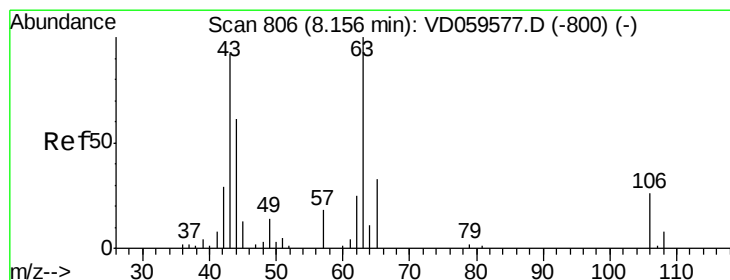
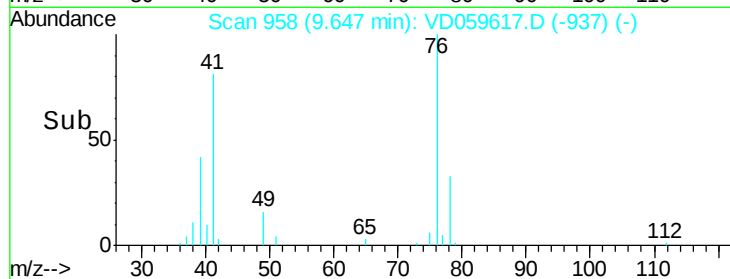
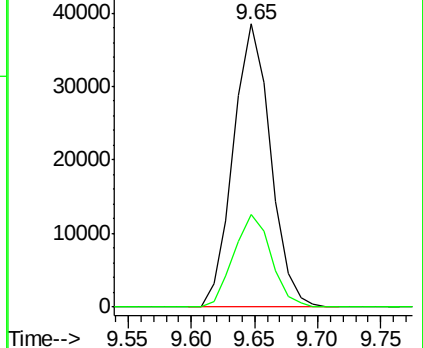
76 100

78 32.7 26.0 39.0



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: 256.898 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059617.D

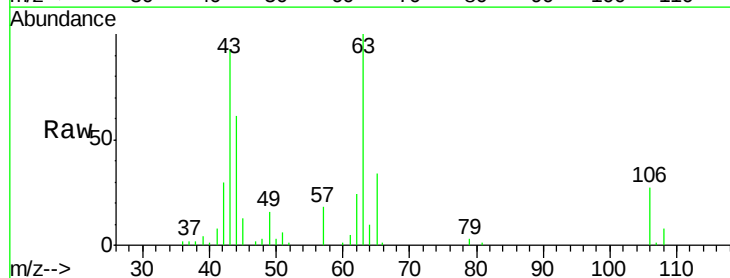
Acq: 27 Jul 2018 17:24

Tgt Ion: 63 Resp: 121025

Ion Ratio Lower Upper

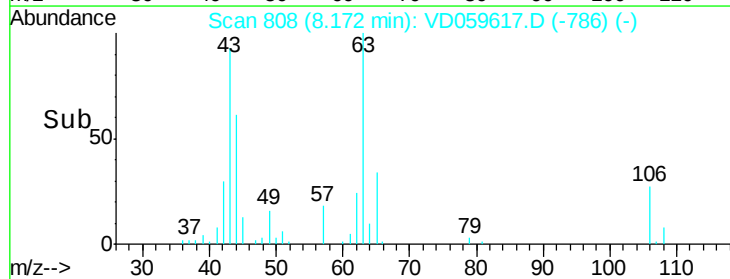
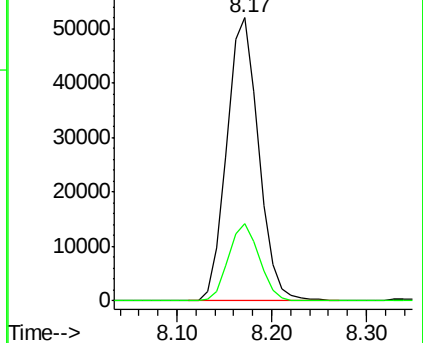
63 100

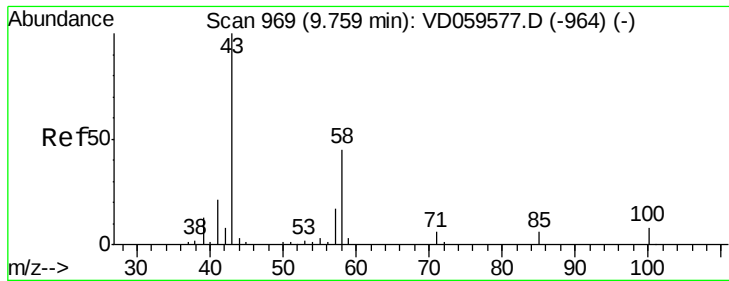
106 27.3 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

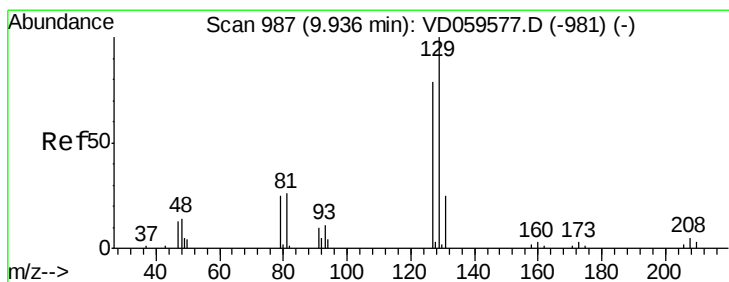
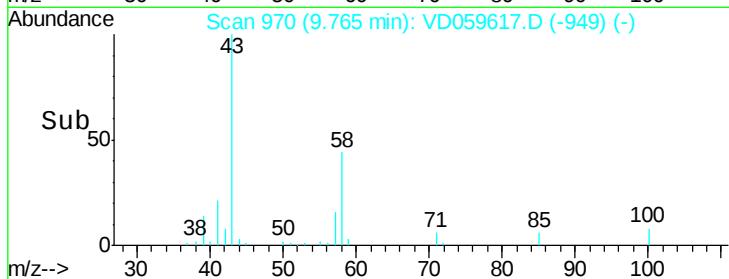
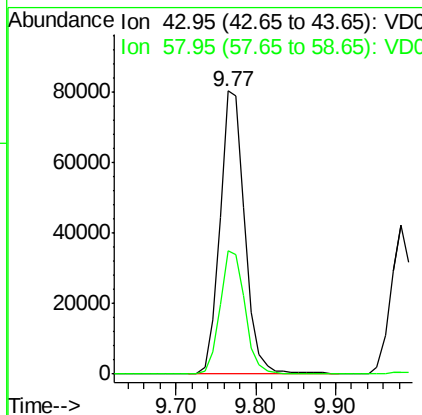
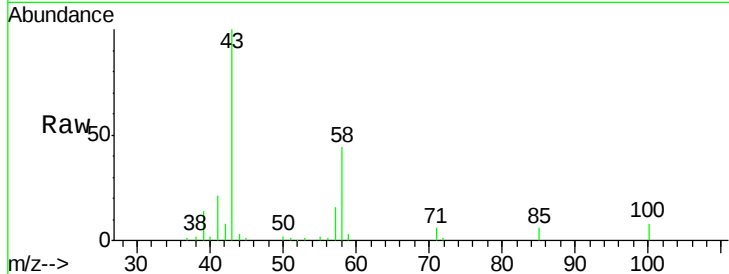




#59
2-Hexanone
Concen: 267.773 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

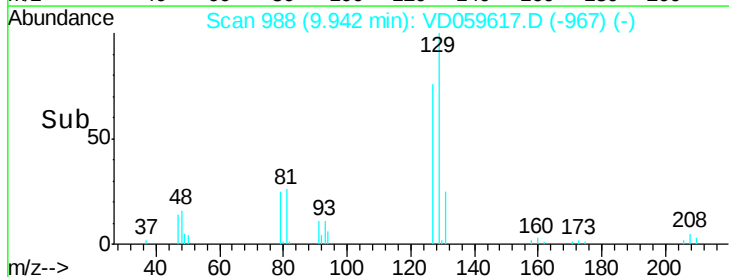
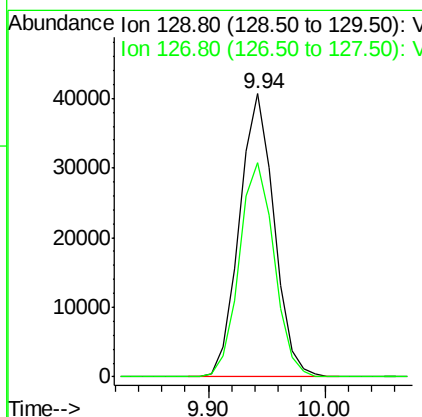
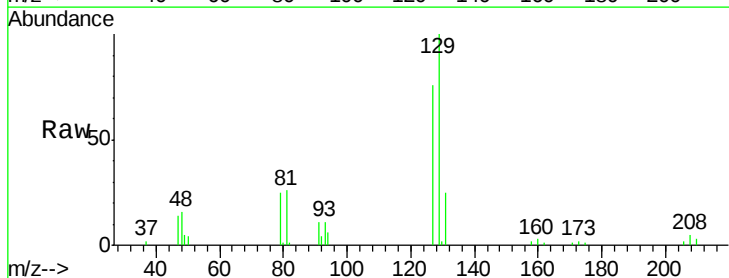
Instrument :
MSVOA_D
ClientSampled :

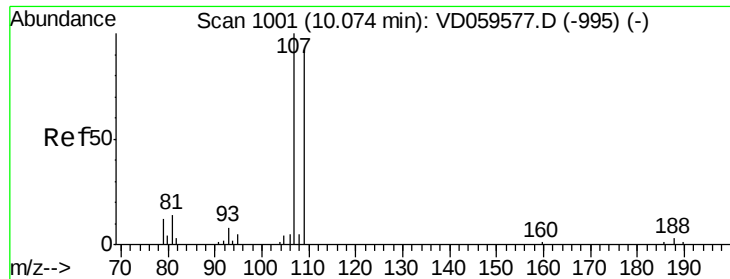
Tot Ion: 43 Resp: 175249
Ion Ratio Lower Upper
43 100
58 43.6 22.7 68.1



#60
Dibromochloromethane
Concen: 57.174 ug/l
RT: 9.94 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion:129 Resp: 83877
Ion Ratio Lower Upper
129 100
127 75.5 39.3 117.9





#61

1,2-Dibromoethane

Concen: 54.147 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

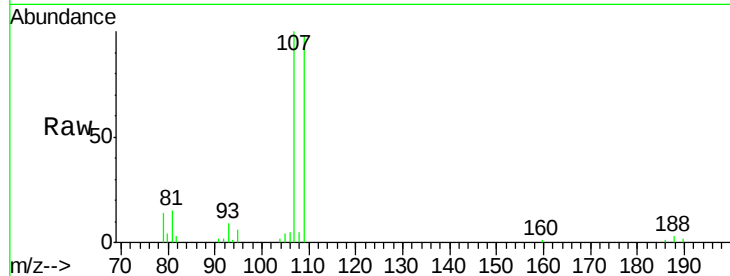
ClientSampleId :

Tot Ion:107 Resp: 56703

Ion Ratio Lower Upper

107 100

109 97.6 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

30000

25000

20000

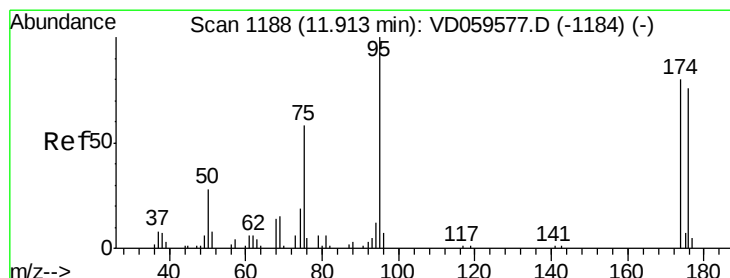
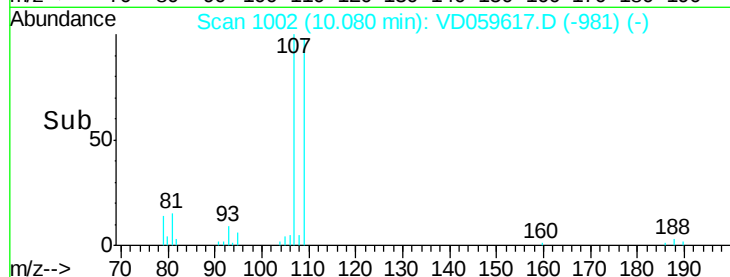
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.147 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

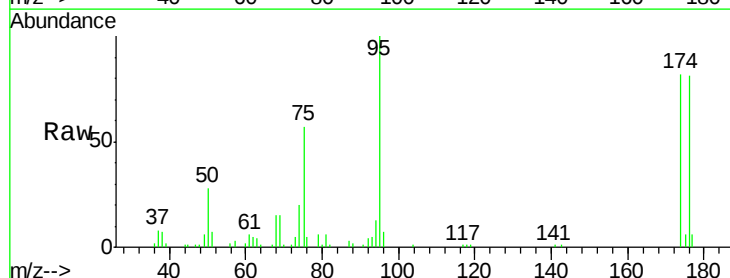
Tgt Ion: 95 Resp: 81705

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.6

176 80.6 0.0 152.8



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

11.92

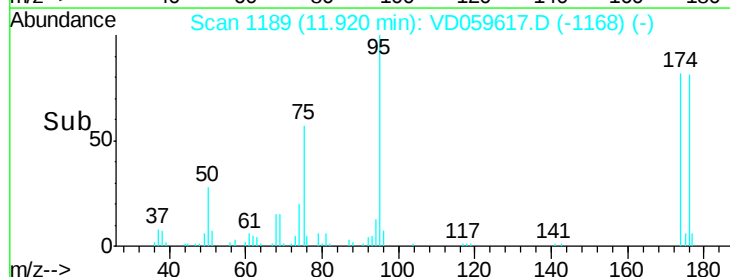
60000

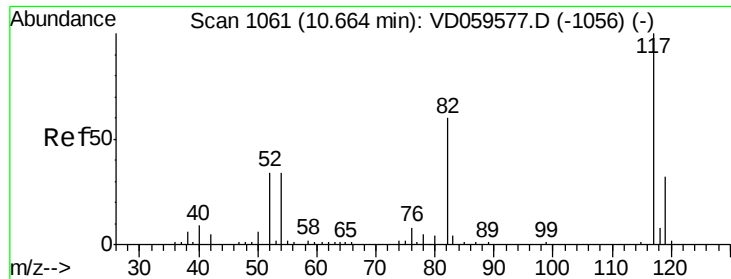
40000

20000

0

Time-->

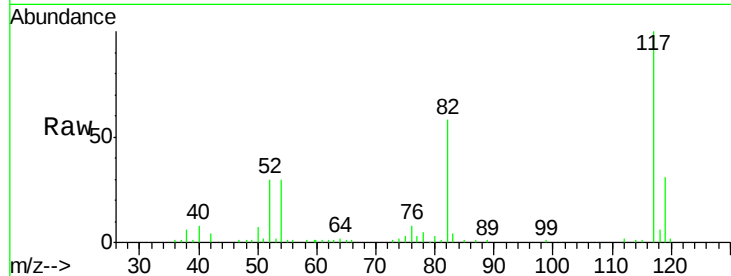




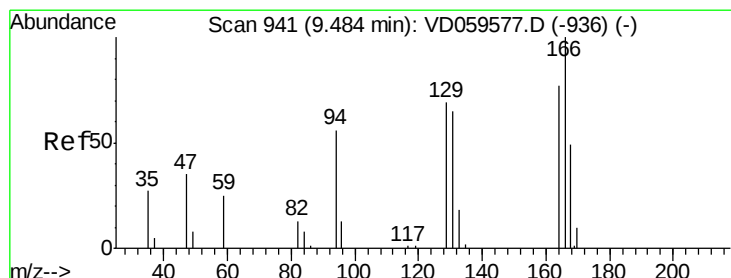
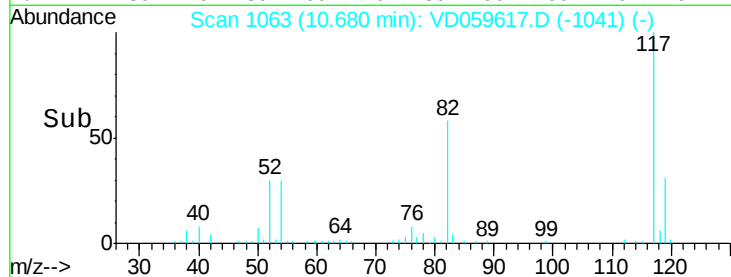
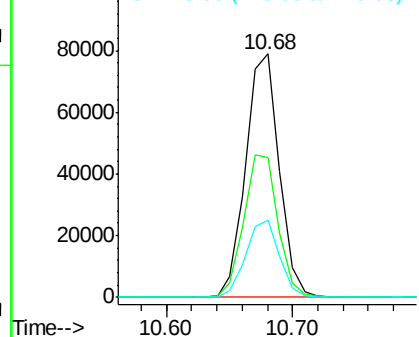
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 144557
Ion Ratio Lower Upper
117 100
82 57.7 48.2 72.2
119 31.5 25.4 38.2

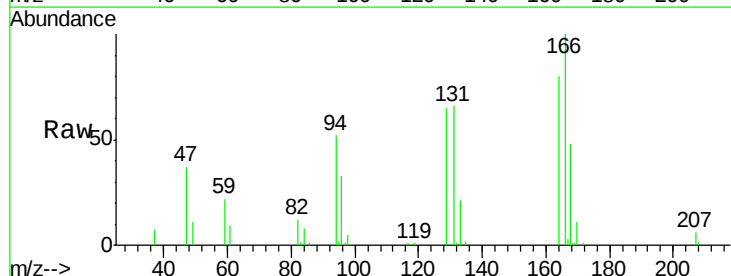


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

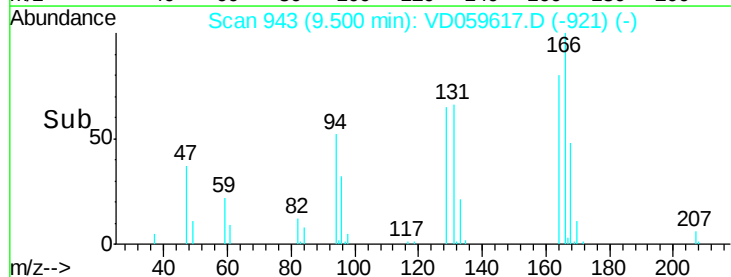
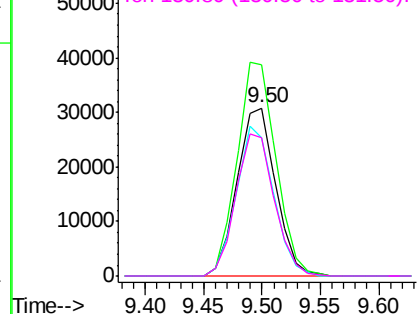


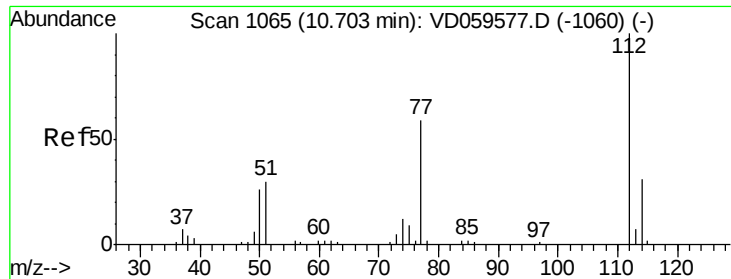
#64
Tetrachloroethene
Concen: 53.948 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.02 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion:164 Resp: 70671
Ion Ratio Lower Upper
164 100
166 125.8 104.0 156.0
129 82.2 72.2 108.4
131 82.7 67.7 101.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

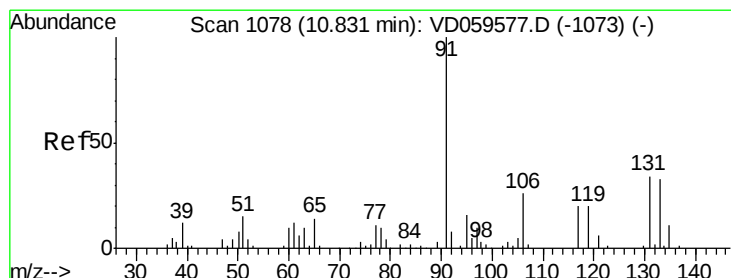
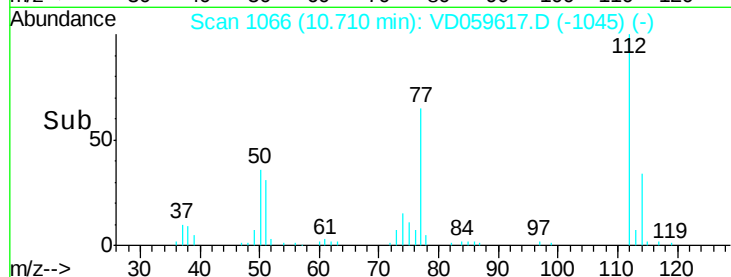
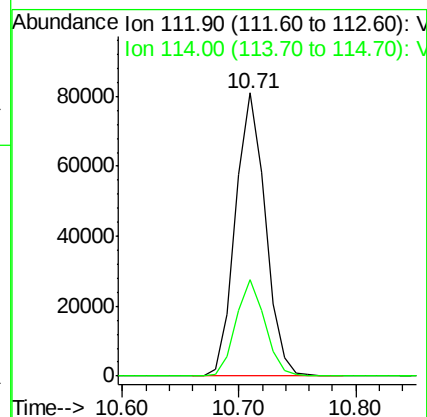
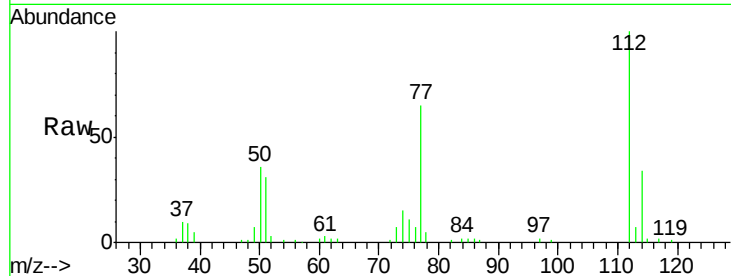




#65
Chlorobenzene
Concen: 48.510 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

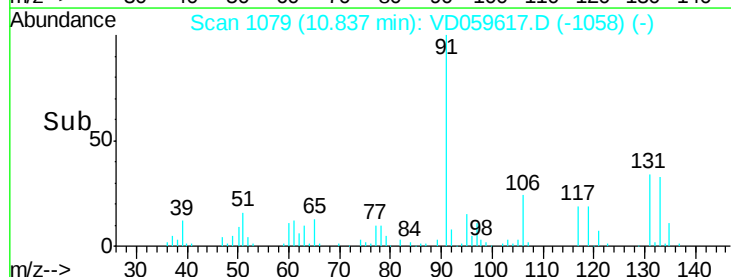
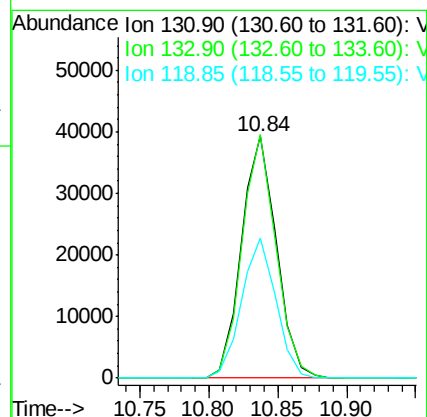
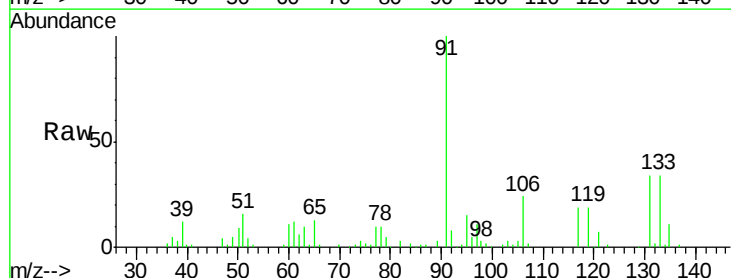
Instrument :
MSVOA_D
ClientSampleId :

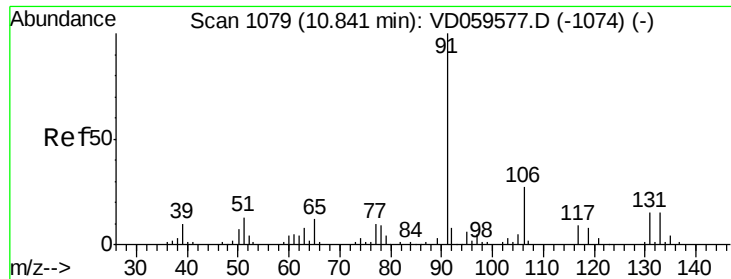
Tot Ion:112 Resp: 143751
Ion Ratio Lower Upper
112 100
114 34.0 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.677 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion:131 Resp: 69189
Ion Ratio Lower Upper
131 100
133 100.6 47.9 143.7
119 57.5 28.7 86.1

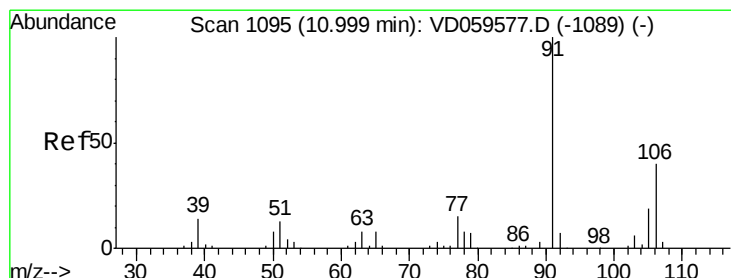
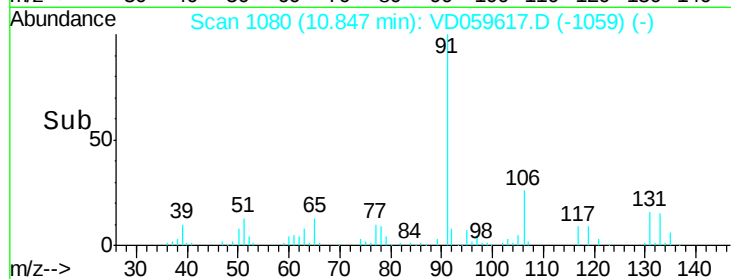
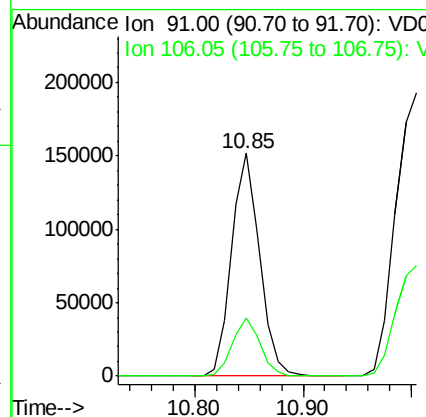
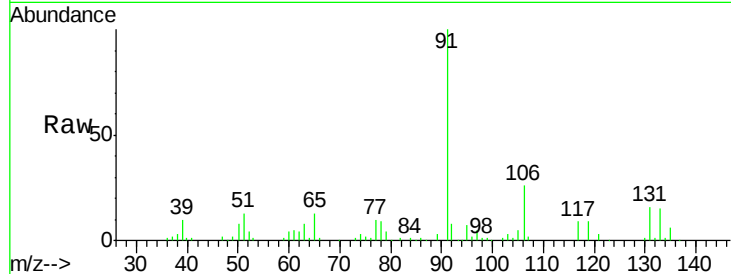




#67
Ethyl Benzene
Concen: 53.733 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

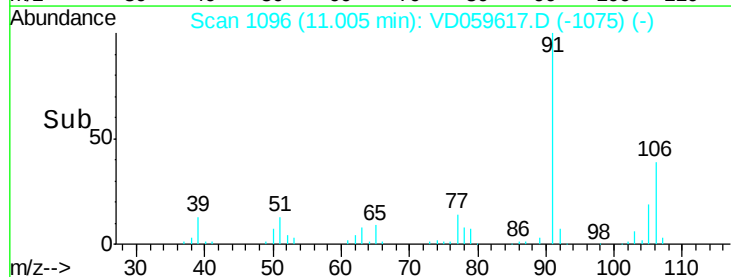
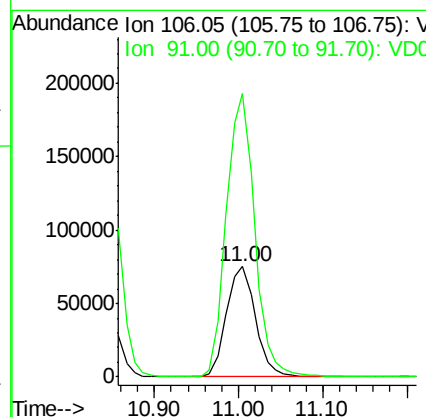
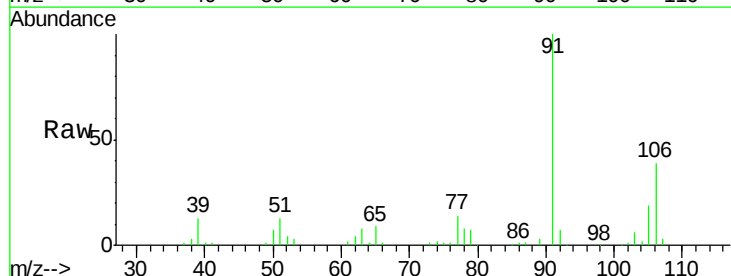
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 273717
Ion Ratio Lower Upper
91 100
106 26.3 21.6 32.4



#68
m/p-Xylenes
Concen: 106.318 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 106 Resp: 180876
Ion Ratio Lower Upper
106 100
91 256.1 198.2 297.4

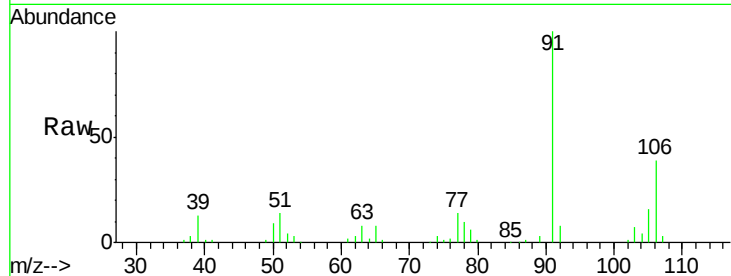




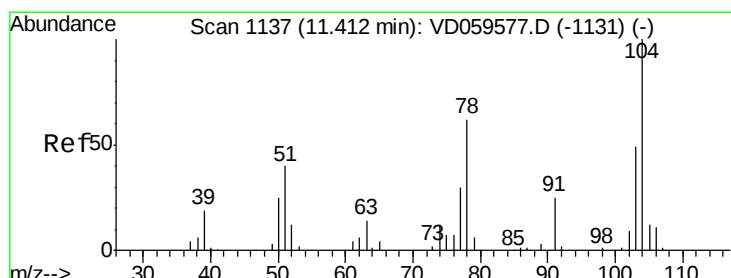
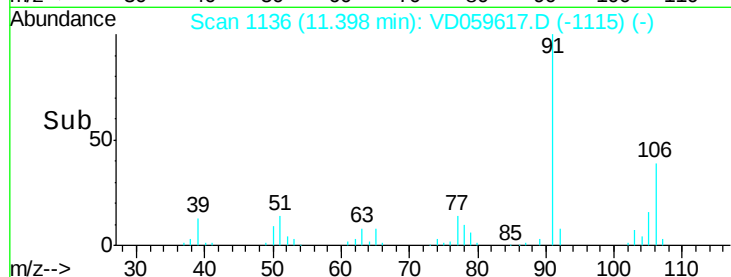
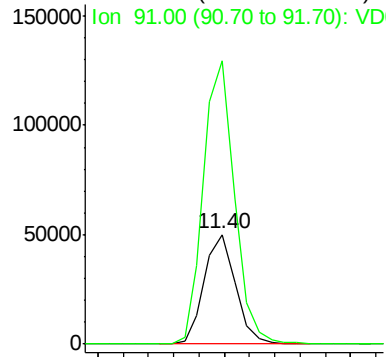
#69
o-Xylene
Concen: 51.912 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 85697
Ion Ratio Lower Upper
106 100
91 258.0 122.7 368.1

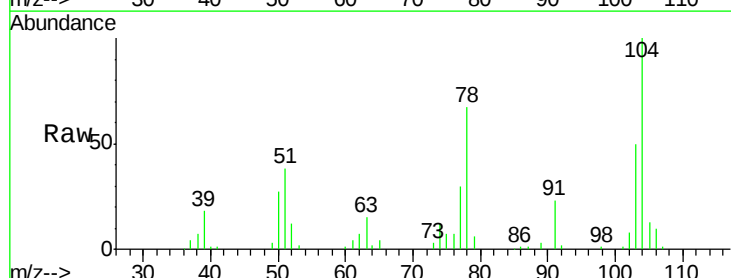


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

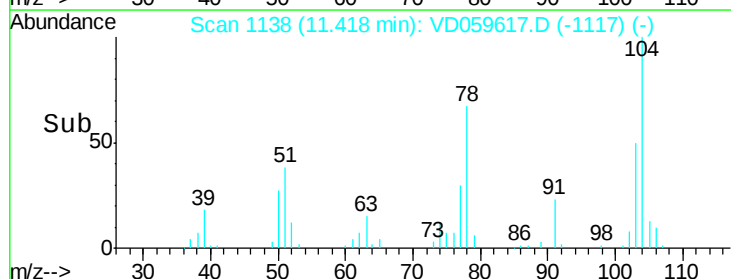
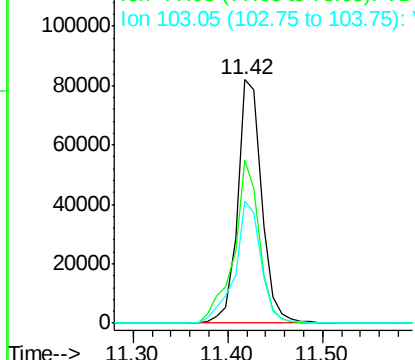


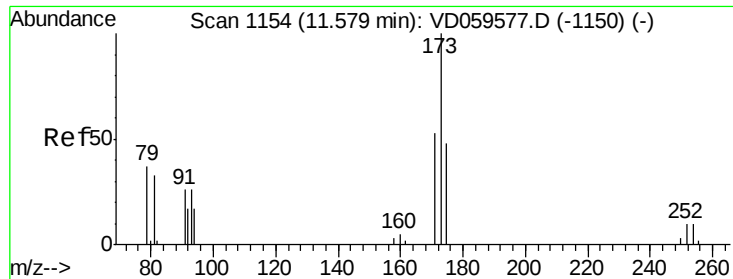
#70
Styrene
Concen: 52.763 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion:104 Resp: 144419
Ion Ratio Lower Upper
104 100
78 66.9 49.4 74.0
103 50.0 39.0 58.6



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: 56.288 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampleId :

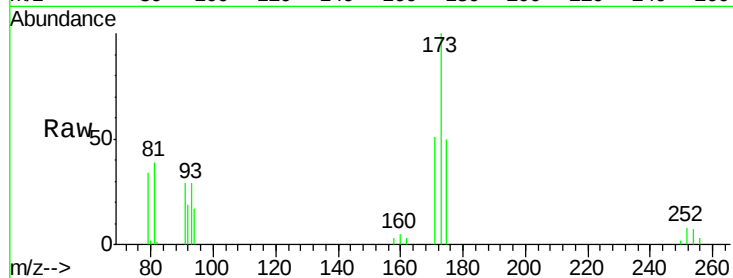
Tot Ion:173 Resp: 59080

Ion Ratio Lower Upper

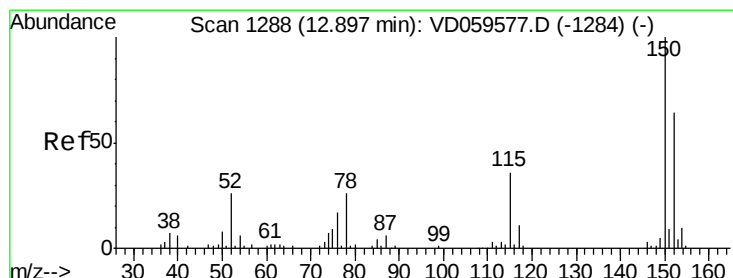
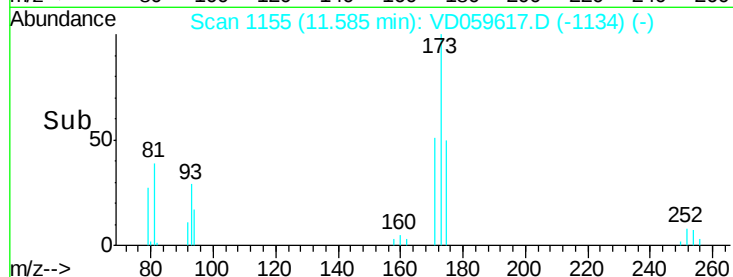
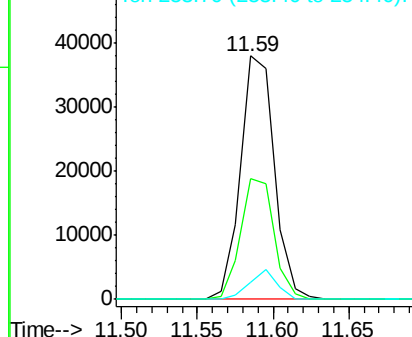
173 100

175 49.6 23.8 71.4

254 7.1 7.8 11.6#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

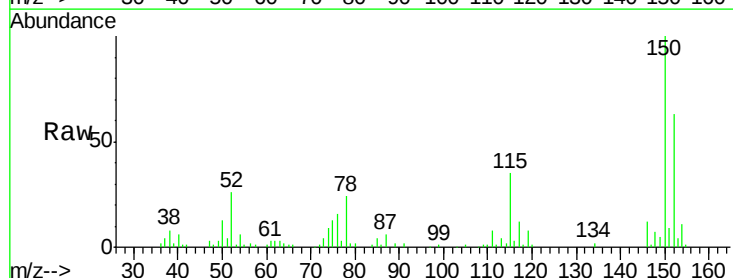
Tgt Ion:152 Resp: 73391

Ion Ratio Lower Upper

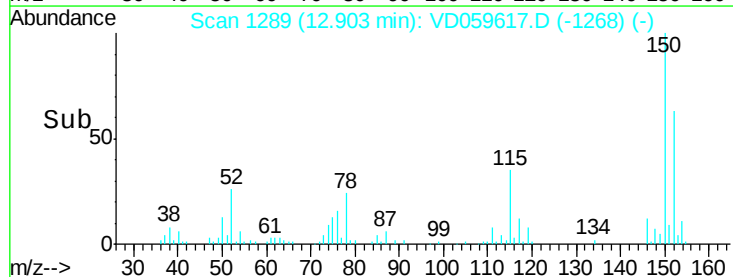
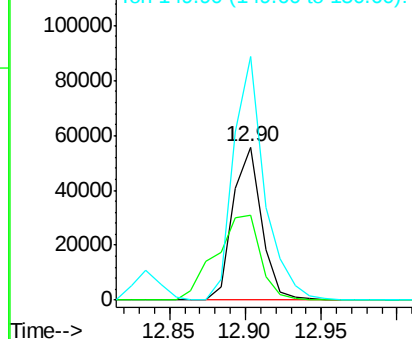
152 100

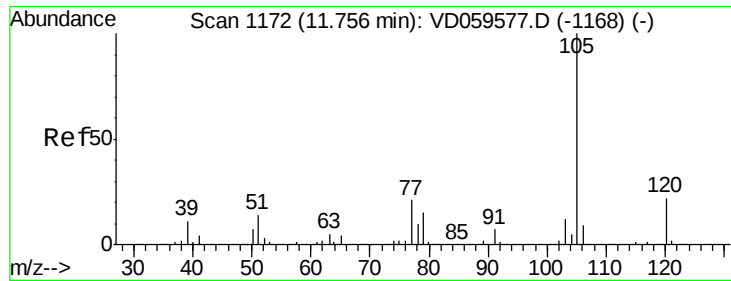
115 55.4 29.5 88.6

150 158.9 0.0 314.4



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: 52.141 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

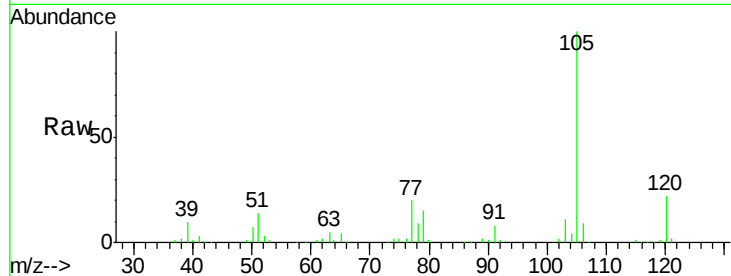
ClientSampleId :

Tot Ion: 105 Resp: 270336

Ion Ratio Lower Upper

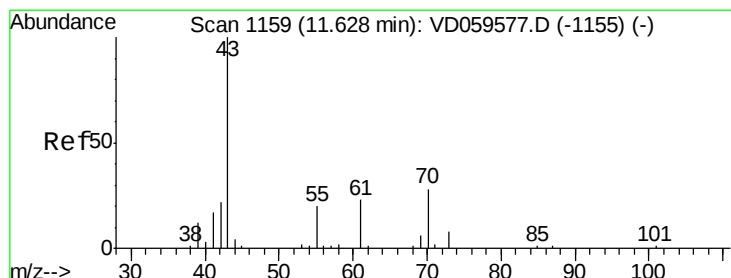
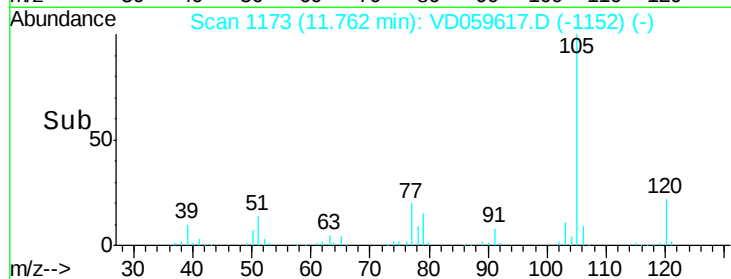
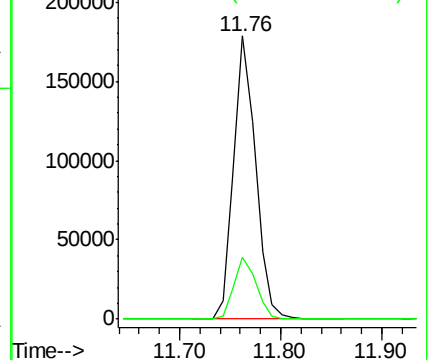
105 100

120 21.9 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.033 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Tgt Ion: 43 Resp: 88879

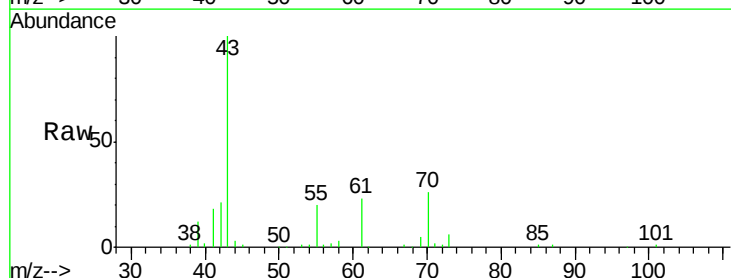
Ion Ratio Lower Upper

43 100

70 26.3 22.0 33.0

55 19.6 16.2 24.2

61 22.7 18.6 27.8

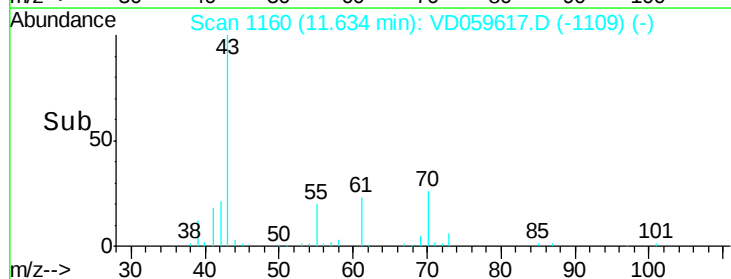
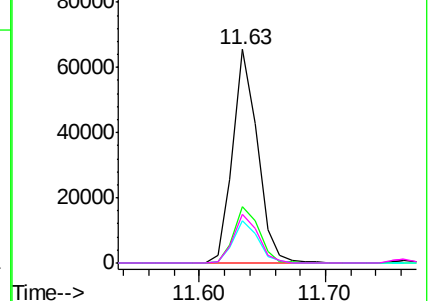


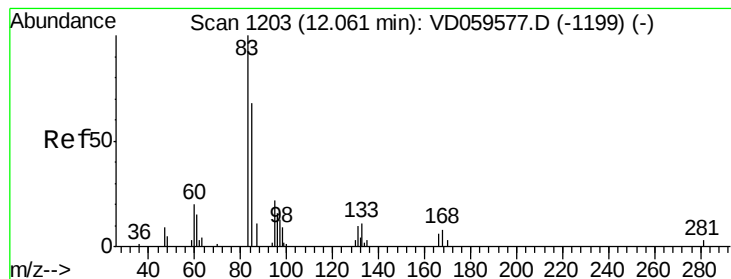
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 53.106 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampleId :

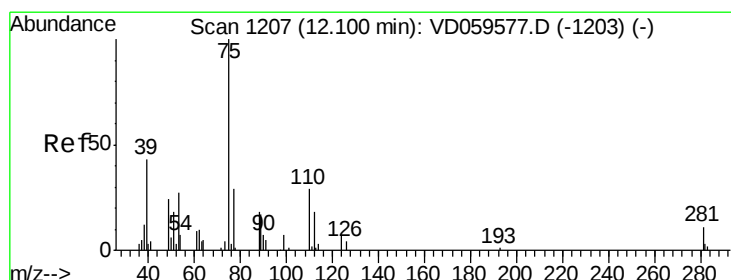
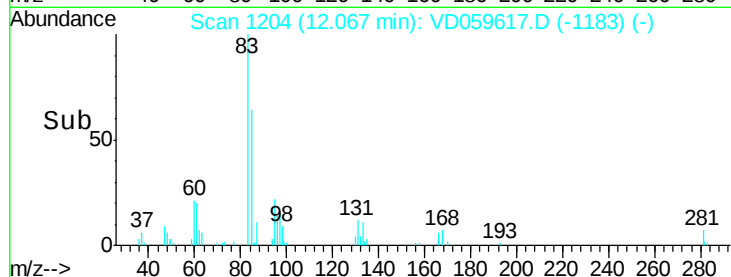
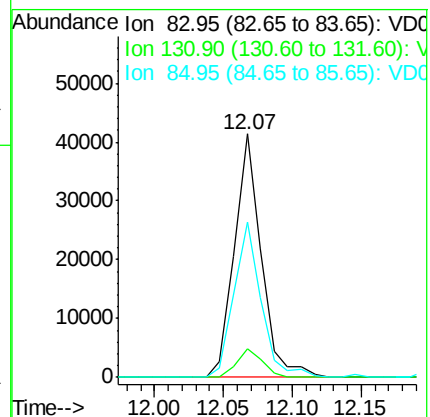
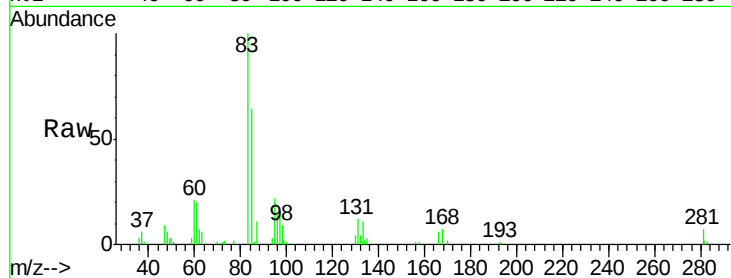
Tot Ion: 83 Resp: 56214

Ion Ratio Lower Upper

83 100

131 11.6 5.1 15.2

85 63.7 34.1 102.3



#76

1,2,3-Trichloropropane

Concen: 53.018 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD059617.D

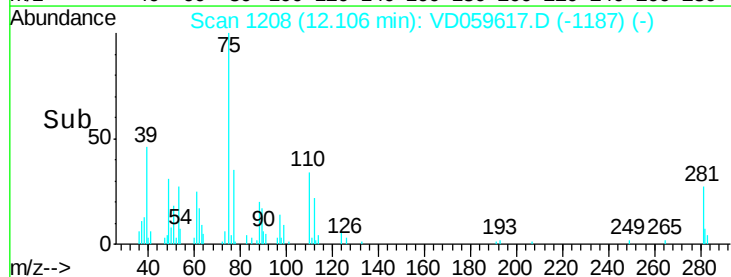
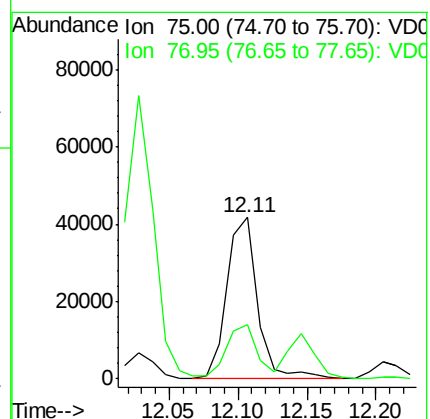
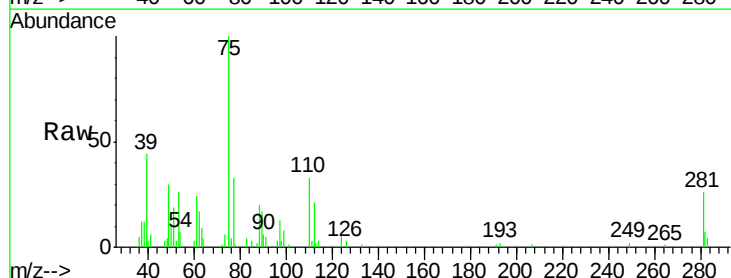
Acq: 27 Jul 2018 17:24

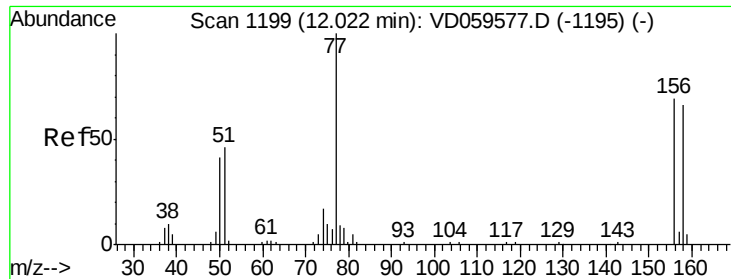
Tgt Ion: 75 Resp: 64346

Ion Ratio Lower Upper

75 100

77 33.3 15.6 46.7

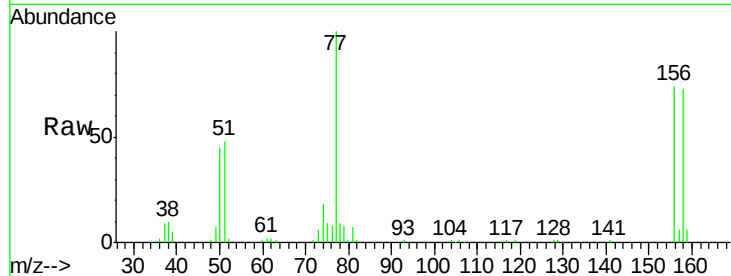




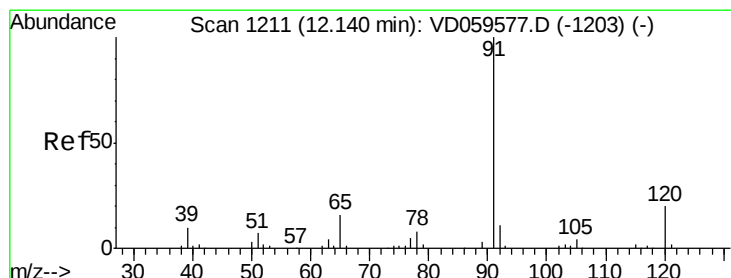
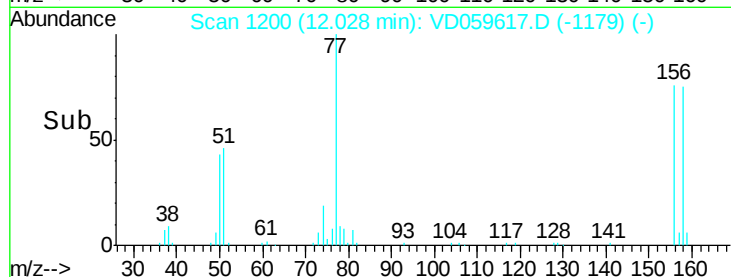
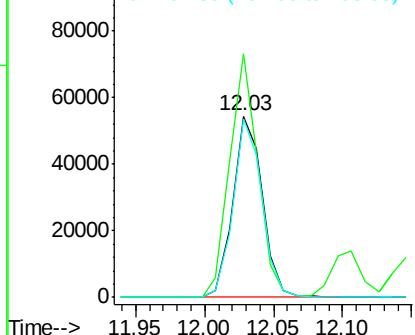
#77
Bromobenzene
Concen: 53.173 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 80702
Ion Ratio Lower Upper
156 100
77 134.3 72.4 217.2
158 98.1 48.0 144.2

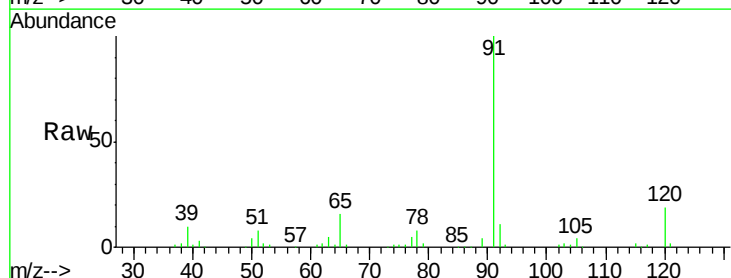


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

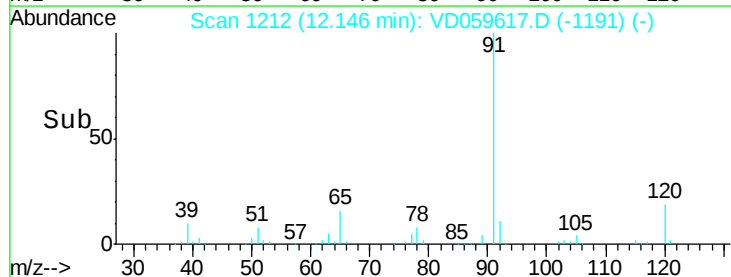
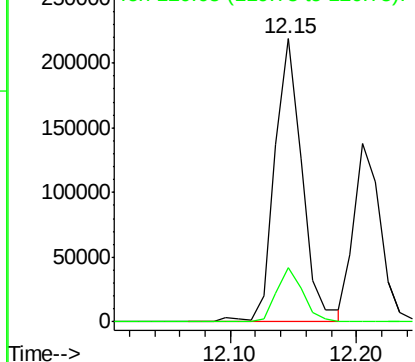


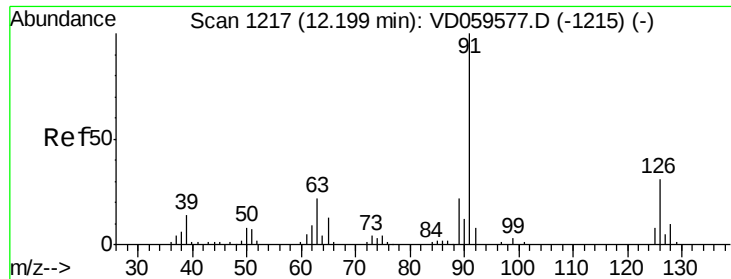
#78
n-propylbenzene
Concen: 52.466 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VD059617.D
Acq: 27 Jul 2018 17:24

Tgt Ion: 91 Resp: 330510
Ion Ratio Lower Upper
91 100
120 19.1 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

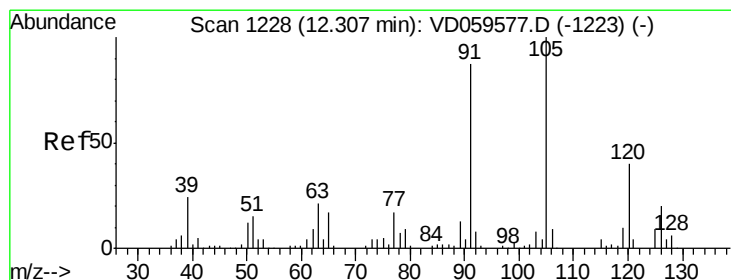
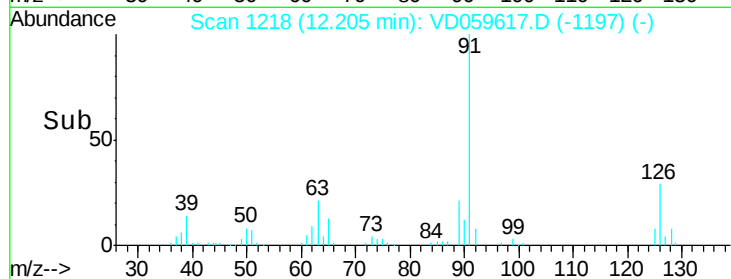
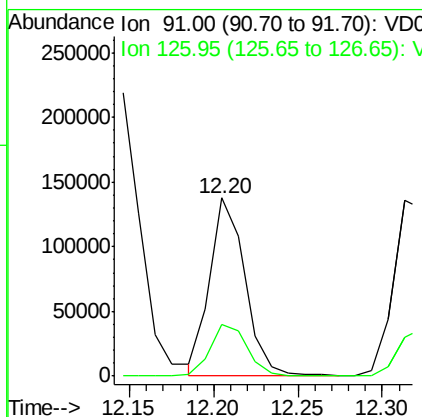
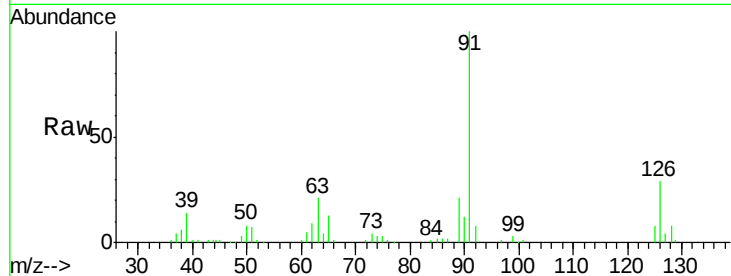




#79
 2-Chlorotoluene
 Concen: 52.681 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

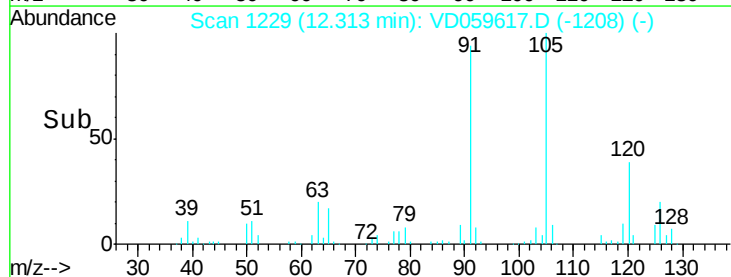
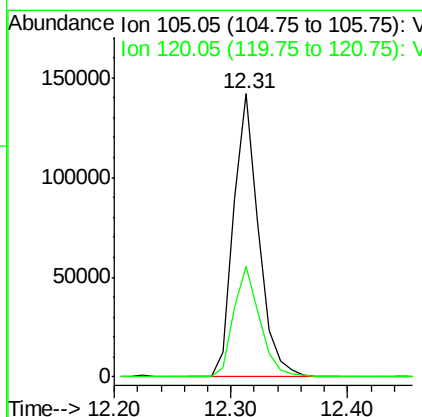
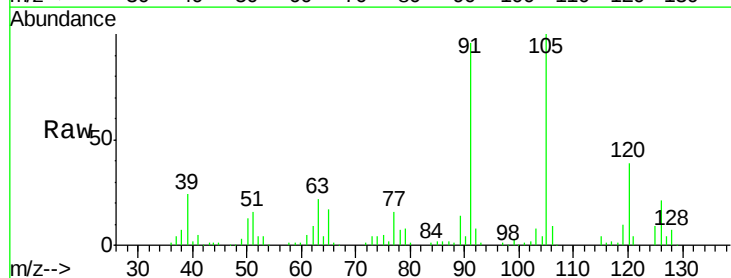
Instrument :
 MSVOA_D
 ClientSampleId :

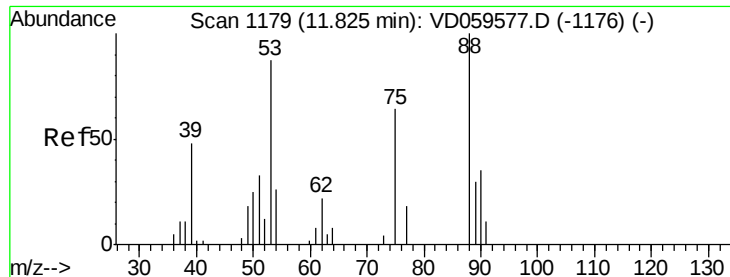
Tot Ion: 91 Resp: 197858
 Ion Ratio Lower Upper
 91 100
 126 28.8 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 51.601 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Tgt Ion: 105 Resp: 211229
 Ion Ratio Lower Upper
 105 100
 120 38.9 19.9 59.6





#81

trans-1,4-Dichloro-2-butene

Concen: 55.237 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampleId :

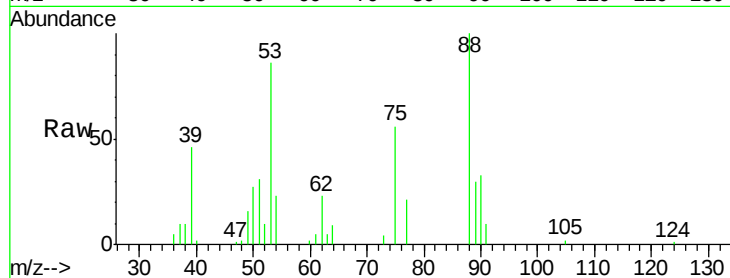
Tot Ion: 75 Resp: 17140

Ion Ratio Lower Upper

75 100

53 155.1 107.7 161.5

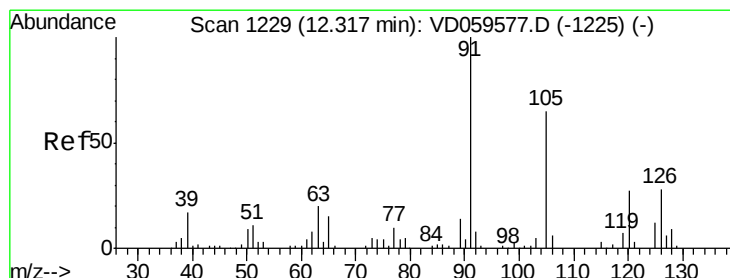
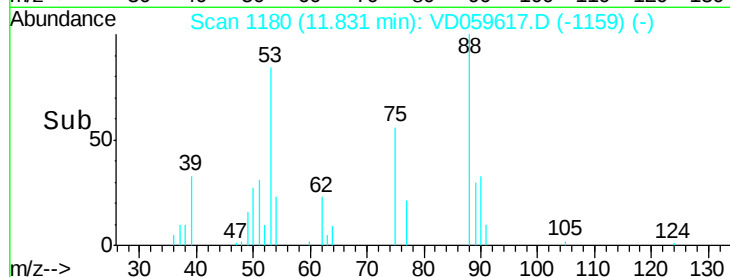
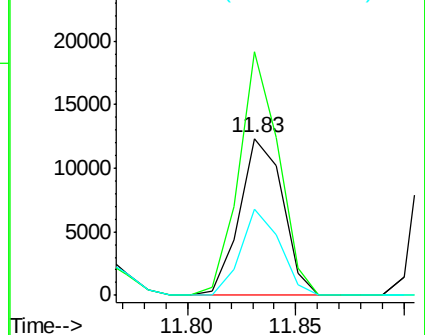
89 54.6 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 52.669 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059617.D

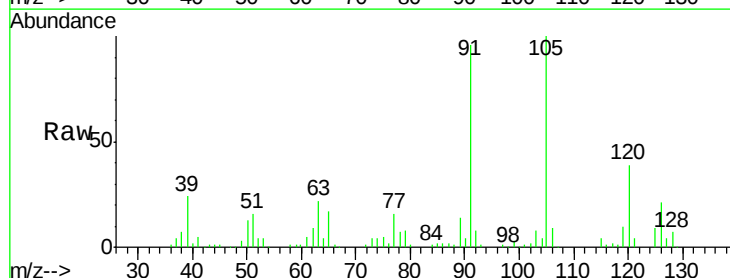
Acq: 27 Jul 2018 17:24

Tgt Ion: 91 Resp: 223707

Ion Ratio Lower Upper

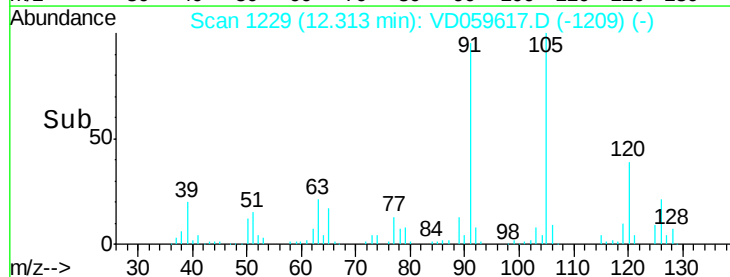
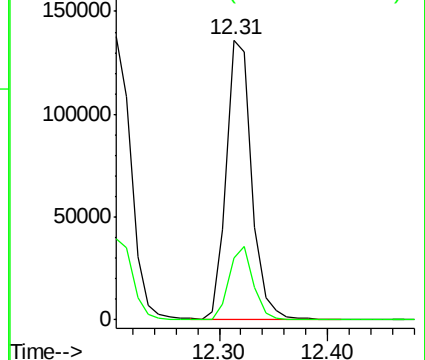
91 100

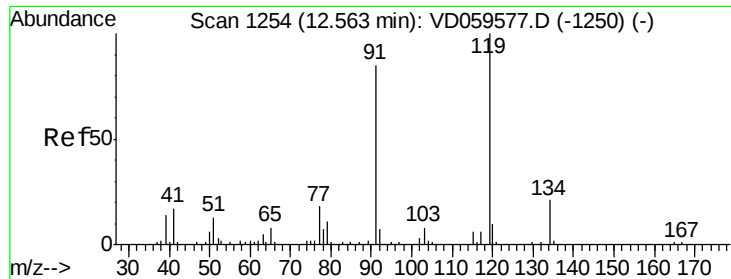
126 22.0 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

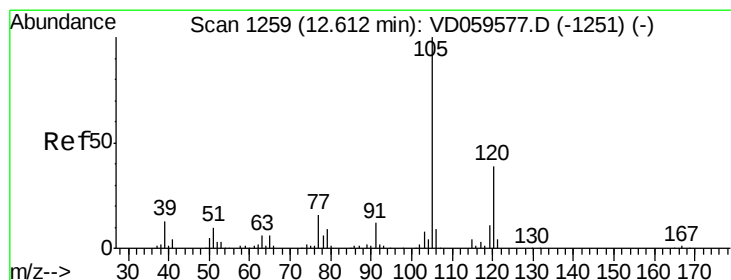
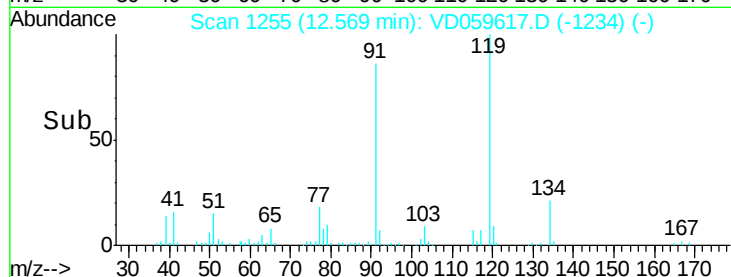
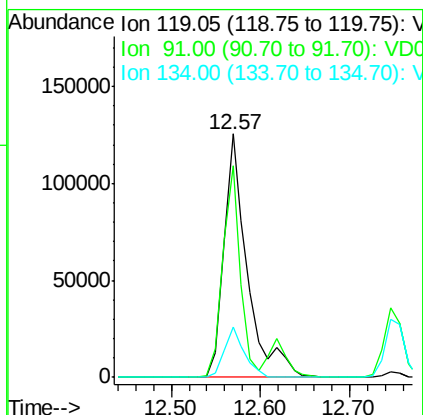
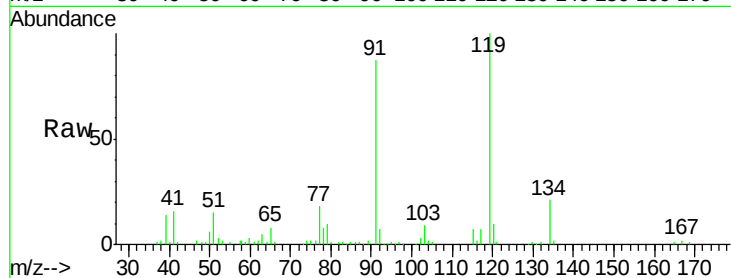




#83
 tert-Butylbenzene
 Concen: 50.395 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

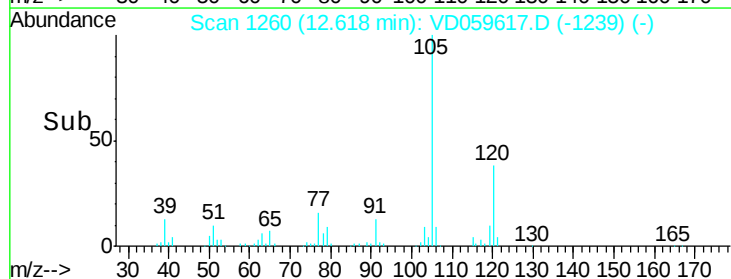
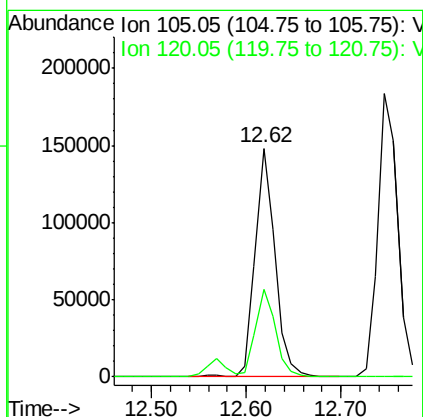
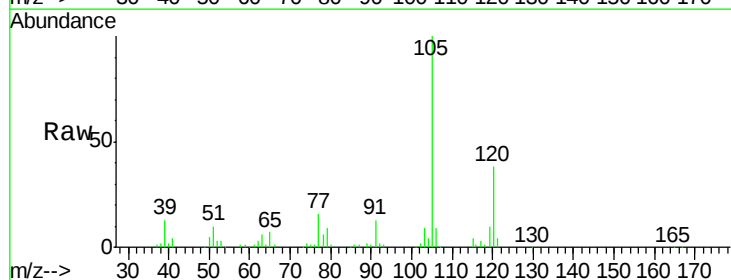
Instrument :
 MSVOA_D
 ClientSampleId :

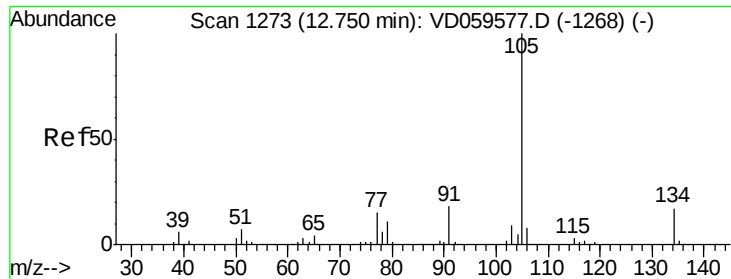
Tot Ion:119 Resp: 232240
 Ion Ratio Lower Upper
 119 100
 91 87.1 42.5 127.5
 134 20.5 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.856 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Tgt Ion:105 Resp: 216943
 Ion Ratio Lower Upper
 105 100
 120 38.3 19.3 57.9





#85

sec-Butylbenzene

Concen: 51.357 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

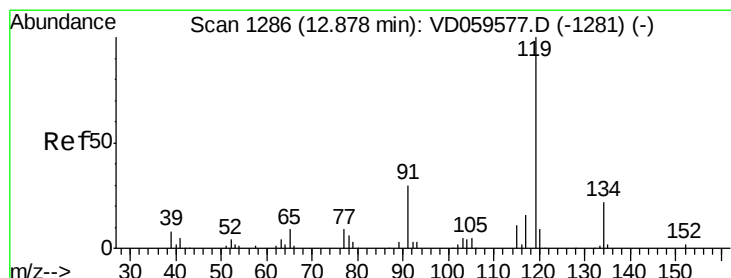
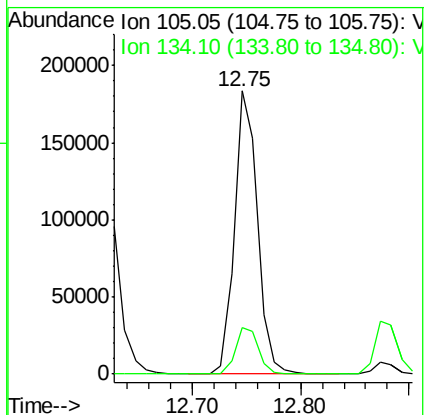
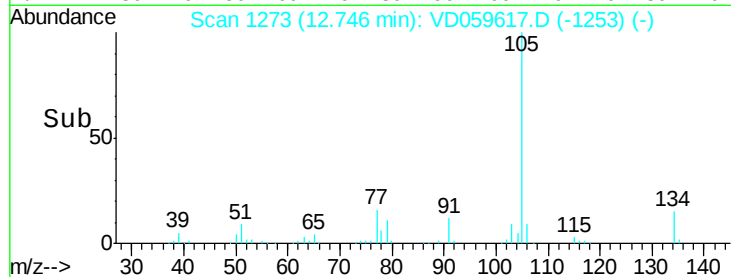
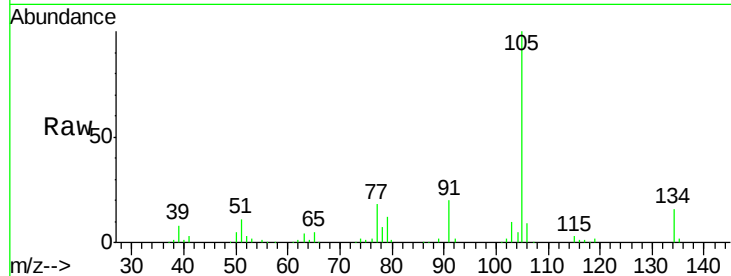
ClientSampleId :

Tot Ion:105 Resp: 270450

Ion Ratio Lower Upper

105 100

134 16.3 8.8 26.2



#86

p-Isopropyltoluene

Concen: 50.979 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

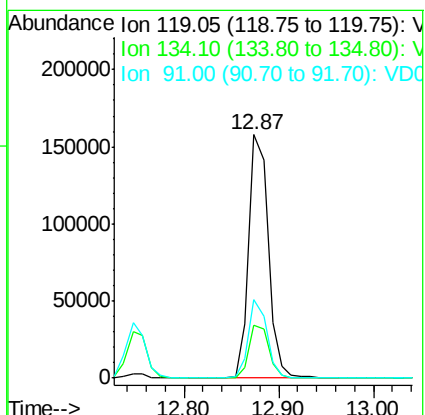
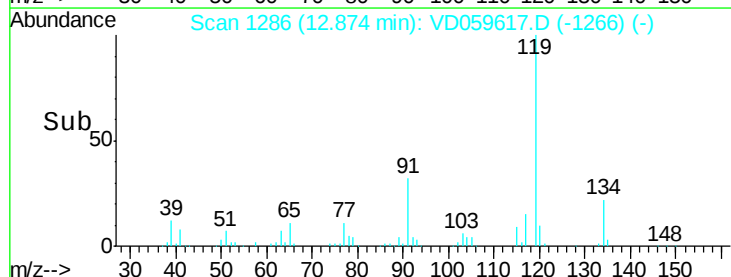
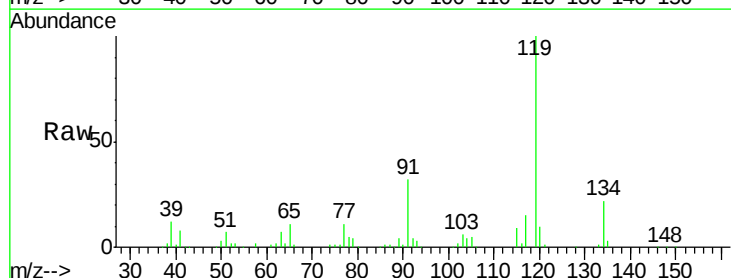
Tgt Ion:119 Resp: 226253

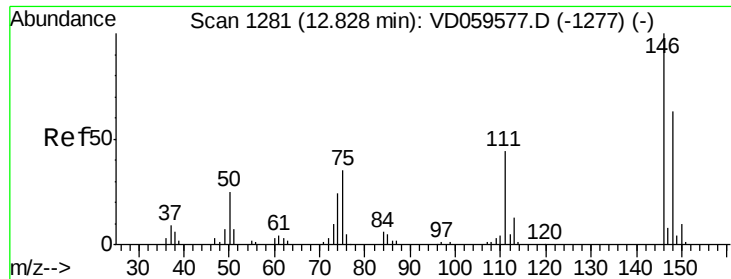
Ion Ratio Lower Upper

119 100

134 21.7 11.2 33.6

91 32.2 15.0 45.1

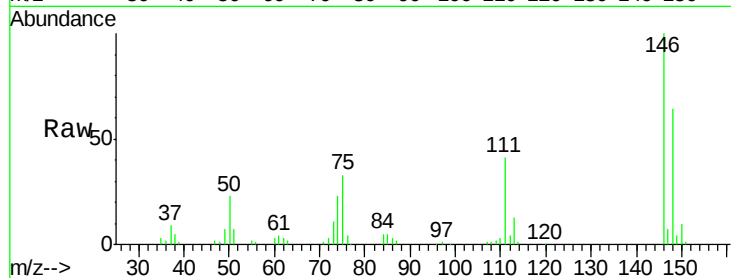




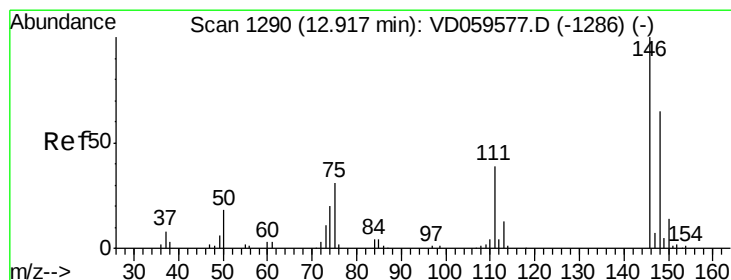
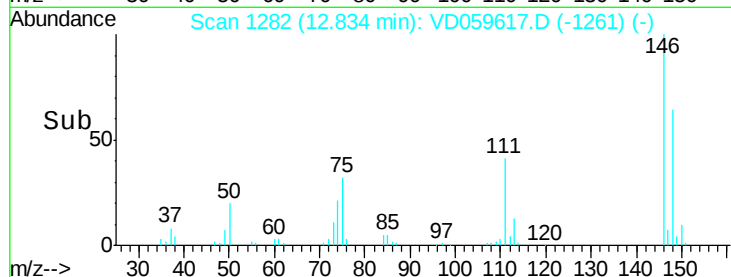
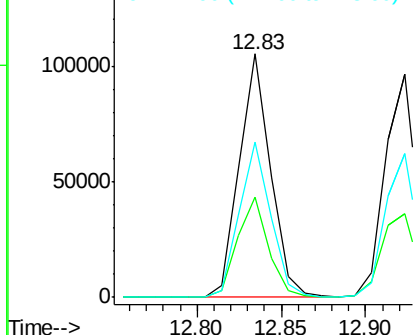
#87
 1,3-Dichlorobenzene
 Concen: 52.863 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 135695
 Ion Ratio Lower Upper
 146 100
 111 40.9 22.2 66.6
 148 63.8 31.8 95.3

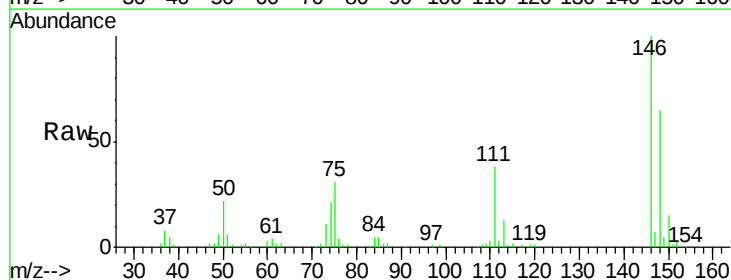


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

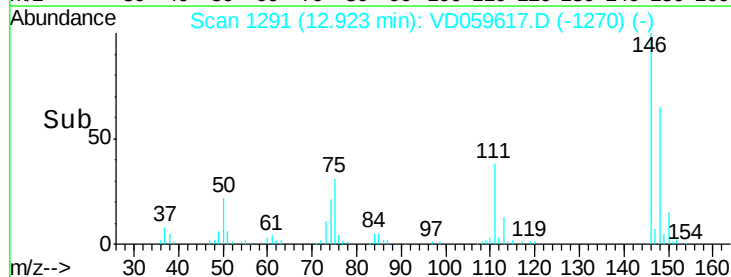
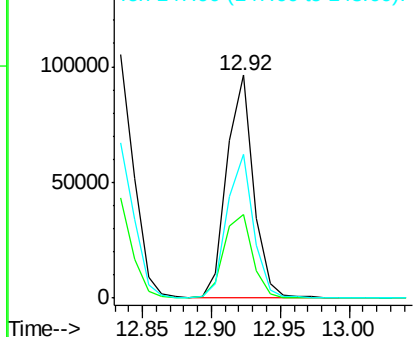


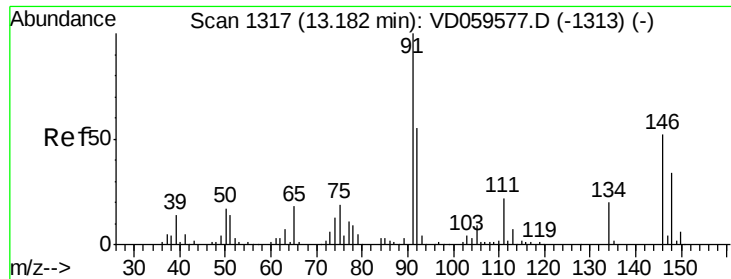
#88
 1,4-Dichlorobenzene
 Concen: 52.272 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Tgt Ion:146 Resp: 129272
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.3 57.9
 148 64.6 32.4 97.2



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: 50.899 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampleId :

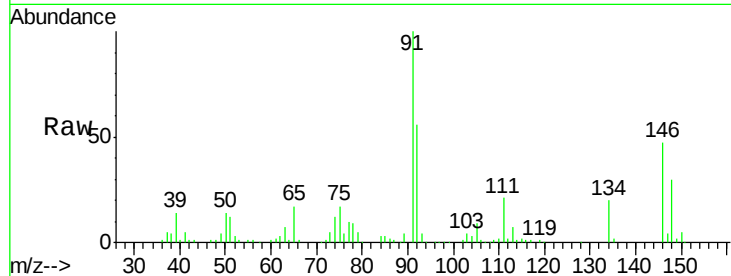
Tot Ion: 91 Resp: 218098

Ion Ratio Lower Upper

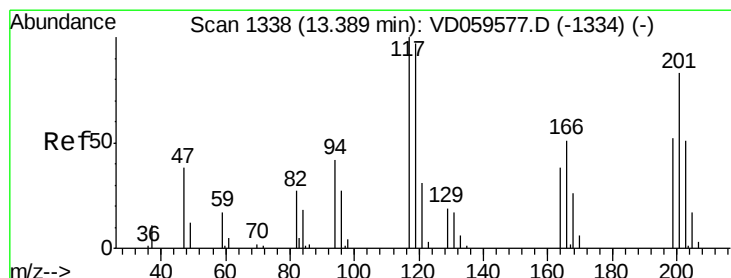
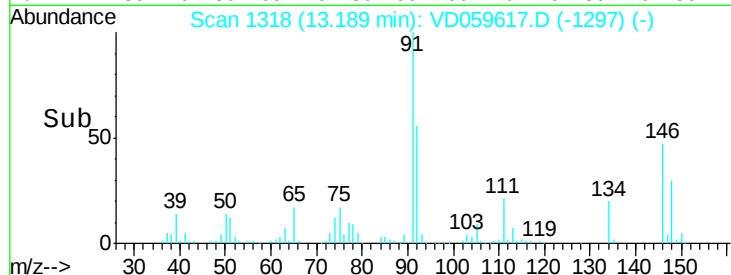
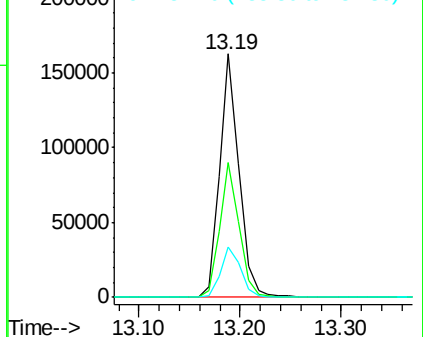
91 100

92 55.6 27.6 82.7

134 20.5 10.1 30.3



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



#90

Hexachloroethane

Concen: 52.370 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VD059617.D

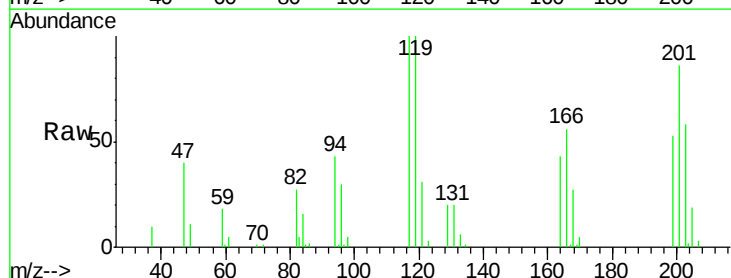
Acq: 27 Jul 2018 17:24

Tgt Ion: 117 Resp: 62108

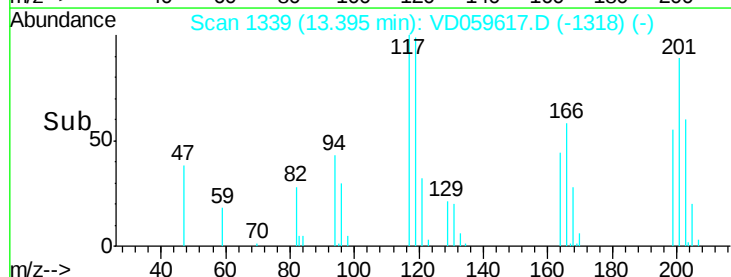
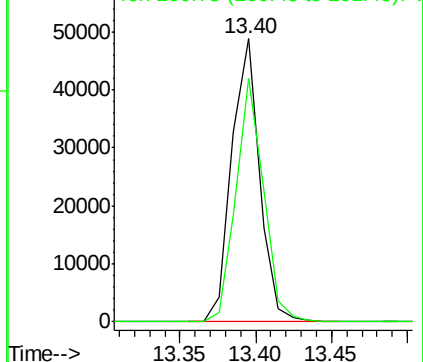
Ion Ratio Lower Upper

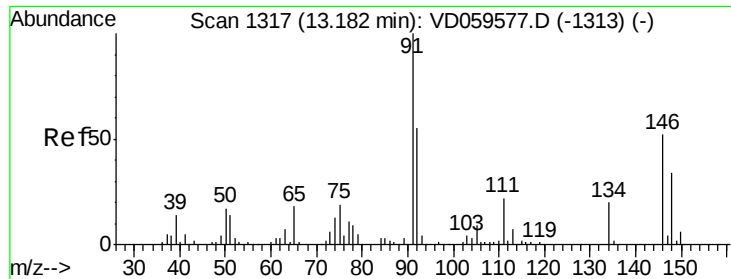
117 100

201 85.9 41.5 124.5



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

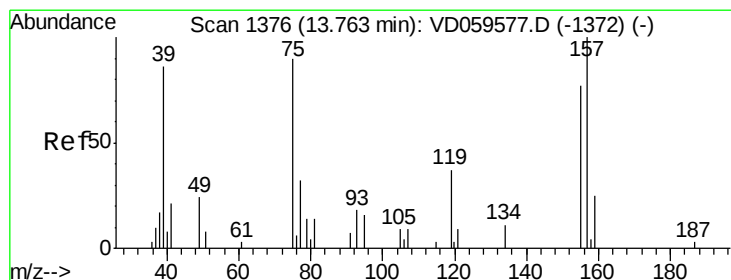
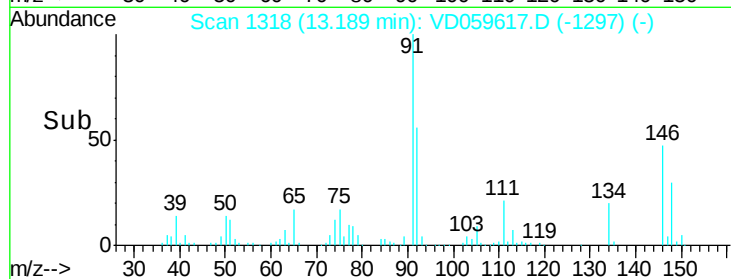
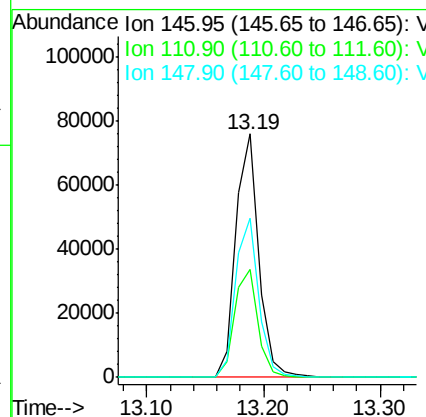
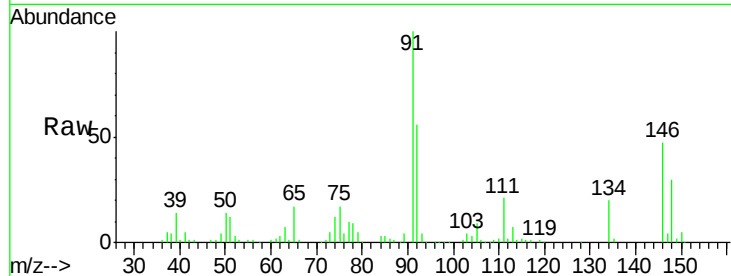




#91
 1,2-Dichlorobenzene
 Concen: 48.217 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

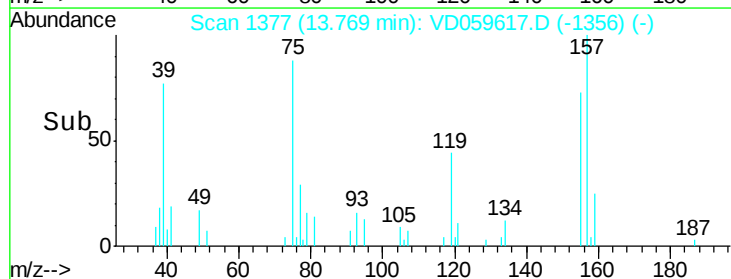
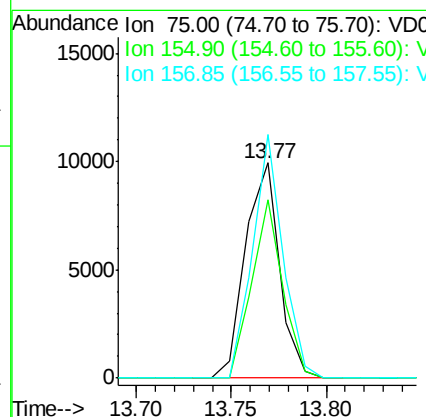
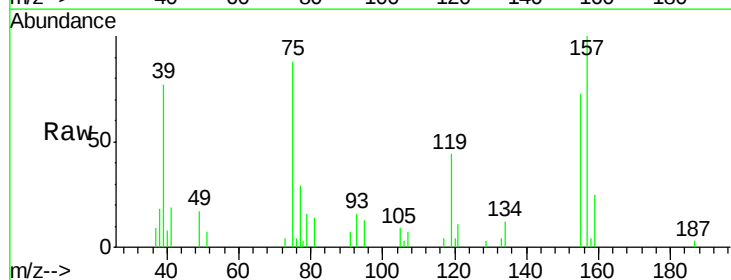
Instrument :
 MSVOA_D
 ClientSampled :

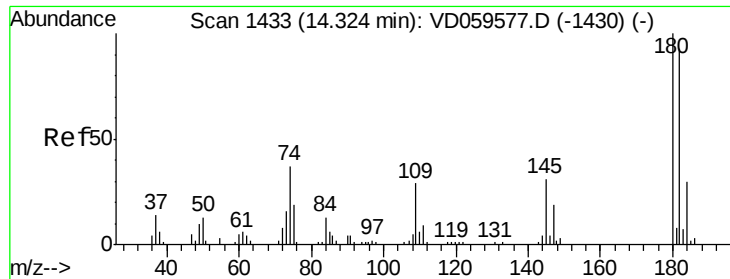
Tot Ion:146 Resp: 103851
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.4 64.3
 148 65.3 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.474 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Tgt Ion: 75 Resp: 12265
 Ion Ratio Lower Upper
 75 100
 155 82.7 42.5 127.5
 157 113.2 55.5 166.3

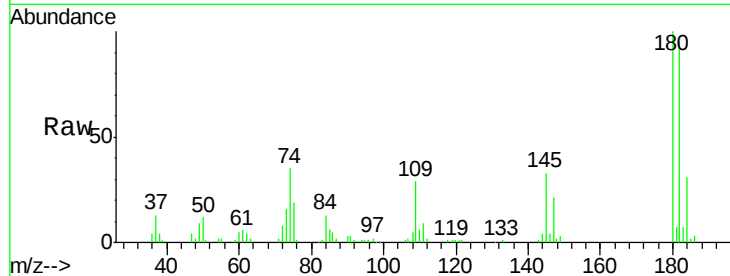




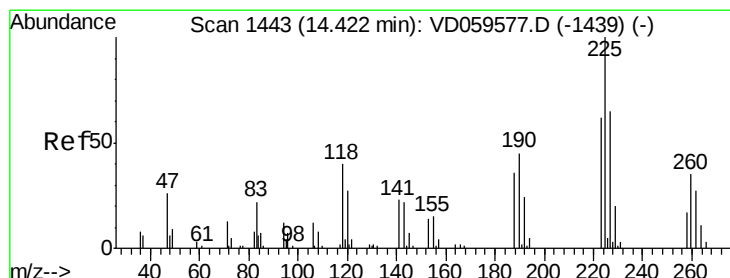
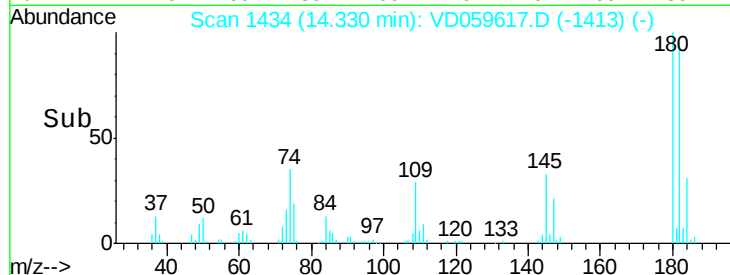
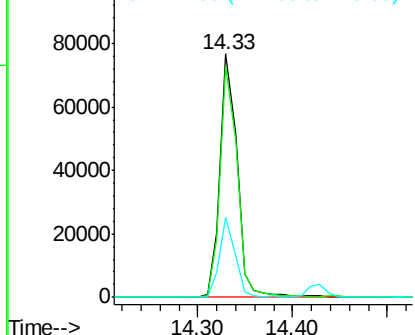
#93
 1,2,4-Trichlorobenzene
 Concen: 54.074 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 96446
 Ion Ratio Lower Upper
 180 100
 182 94.9 46.4 139.2
 145 32.6 15.7 47.0

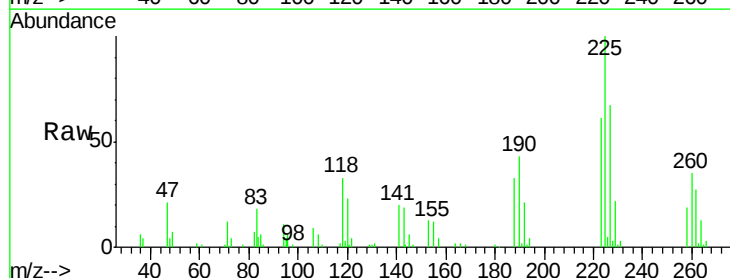


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

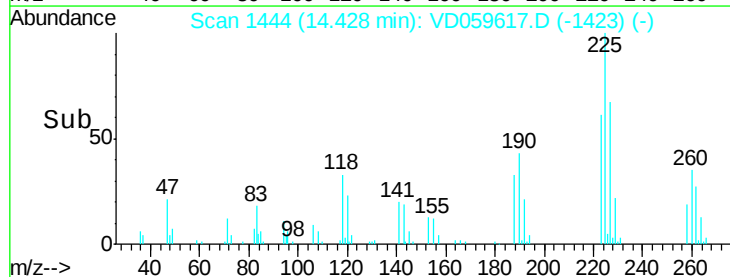
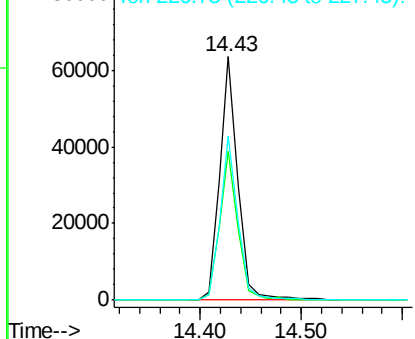


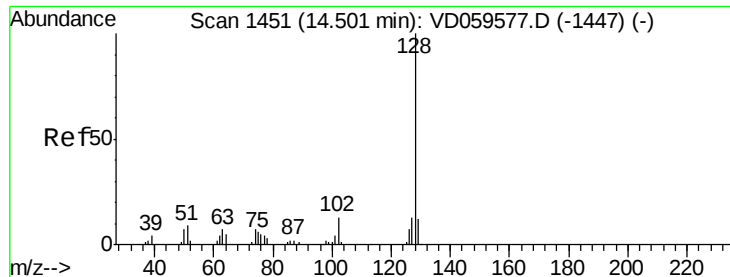
#94
 Hexachlorobutadiene
 Concen: 56.871 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059617.D
 Acq: 27 Jul 2018 17:24

Tgt Ion:225 Resp: 80012
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.1 93.5
 227 67.3 32.4 97.2



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: 52.659 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

Instrument :

MSVOA_D

ClientSampleId :

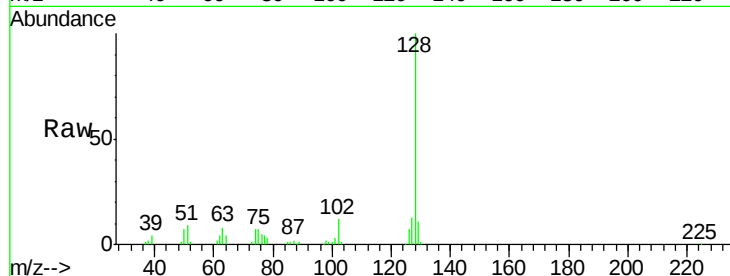
Tot Ion:128 Resp: 133574

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

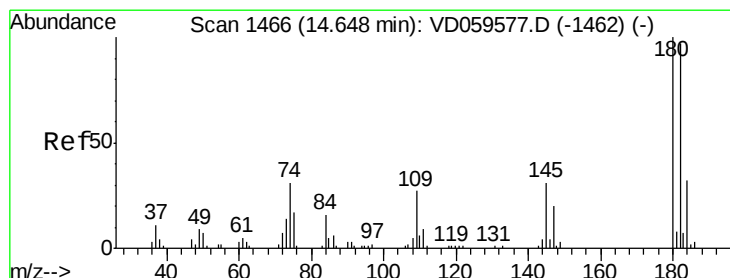
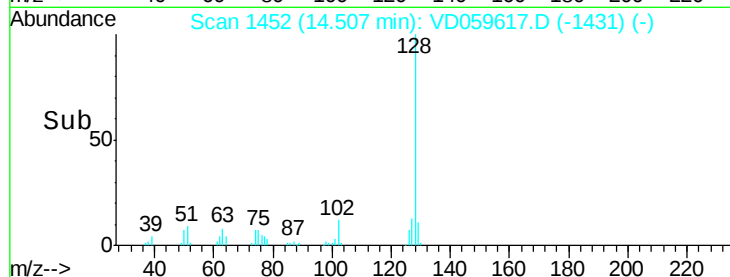
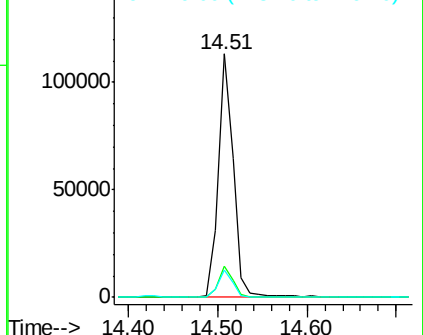
129 11.3 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.681 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD059617.D

Acq: 27 Jul 2018 17:24

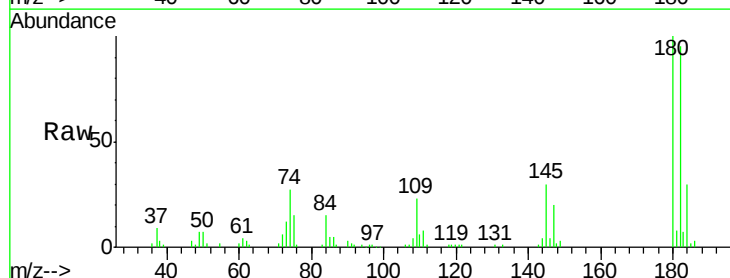
Tgt Ion:180 Resp: 88252

Ion Ratio Lower Upper

180 100

182 94.8 48.6 145.9

145 30.1 15.6 46.7



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

