

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058339.D
 Acq On : 23 Jun 2018 14:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 01:05:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	973419	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1235441	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	1002693	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	497996	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	521067	53.00	ug/l	0.02
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	5.57	113	551136	54.81	ug/l	0.02
Spiked Amount			Recovery	=	109.62%	
50) Toluene-d8	8.72	98	1267998	52.12	ug/l	0.01
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.94	95	519011	52.23	ug/l	0.01
Spiked Amount			Recovery	=	104.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	486907	53.82	ug/l	100
3) Chloromethane	1.51	50	202518	47.45	ug/l	98
4) Vinyl Chloride	1.57	62	225161	44.16	ug/l	99
5) Bromomethane	1.82	94	91138	53.95	ug/l	99
6) Chloroethane	1.90	64	110941	61.30	ug/l	98
7) Trichlorofluoromethane	2.11	101	406507	58.14	ug/l	92
8) Diethyl Ether	2.36	74	70194	47.46	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.58	101	250079	56.26	ug/l	88
10) Methyl Iodide	2.72	142	250817	49.61	ug/l	98
11) Tert butyl alcohol	3.28	59	79296	244.53	ug/l	97
12) 1,1-Dichloroethene	2.57	96	172721	51.65	ug/l	95
13) Acrolein	2.49	56	23569	127.32	ug/l	85
14) Allyl chloride	2.94	41	375213	48.21	ug/l	95
15) Acrylonitrile	3.38	53	379164	440.96	ug/l	97
16) Acetone	2.63	43	366776	272.77	ug/l	97
17) Carbon Disulfide	2.77	76	480455	42.23	ug/l	99
18) Methyl Acetate	2.95	43	131105	45.72	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	807848	91.08	ug/l	98
20) Methylene Chloride	3.09	84	173027	49.22	ug/l	94
21) trans-1,2-Dichloroethene	3.40	96	382298	104.60	ug/l	93
22) Diisopropyl ether	4.09	45	1418000	45.87	ug/l	91
23) Vinyl Acetate	4.04	43	3948468	238.27	ug/l	98
24) 1,1-Dichloroethane	4.00	63	841863	50.55	ug/l	98
25) 2-Butanone	4.85	43	679975	232.02	ug/l	99
26) 2,2-Dichloropropane	4.82	77	721174	51.71	ug/l	99
27) cis-1,2-Dichloroethene	4.82	96	460449	50.41	ug/l	98
28) Bromochloromethane	5.17	49	393785	52.74	ug/l #	95
29) Tetrahydrofuran	5.21	42	348684	223.53	ug/l	97
30) Chloroform	5.34	83	897812	51.06	ug/l	97
31) Cyclohexane	5.61	56	623931	51.79	ug/l	99
32) 1,1,1-Trichloroethane	5.53	97	737625	50.78	ug/l	97
36) 1,1-Dichloropropene	5.77	75	626090	51.23	ug/l	99
37) Ethyl Acetate	4.95	43	336595	48.34	ug/l #	95
38) Carbon Tetrachloride	5.75	117	625107	51.48	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.30	83	571186	47.98	ug/l	93
40) Benzene	6.03	78	1477837	50.76	ug/l	100
41) Methacrylonitrile	5.15	41	175913	52.32	ug/l	96
42) 1,2-Dichloroethane	6.15	62	595106	50.69	ug/l	98
43) Isopropyl Acetate	7.63	43	421473	45.40	ug/l #	97
44) Trichloroethene	7.00	130	460536	52.68	ug/l	100
45) 1,2-Dichloropropane	7.36	63	411441	52.48	ug/l	98
46) Dibromomethane	7.48	93	279936	52.30	ug/l	91
47) Bromodichloromethane	7.76	83	646588	52.97	ug/l	100
48) Methyl methacrylate	7.52	41	261511	46.35	ug/l	97
49) 1,4-Dioxane	7.51	88	50740	996.22	ug/l #	81
51) 4-Methyl-2-Pentanone	8.61	43	1443566	238.39	ug/l	99
52) Toluene	8.82	92	835774	50.42	ug/l	95
53) t-1,3-Dichloropropene	9.20	75	576066	54.29	ug/l	97
54) cis-1,3-Dichloropropene	8.38	75	639927	51.44	ug/l	99
55) 1,1,2-Trichloroethane	9.47	97	294321	50.18	ug/l	96
56) Ethyl methacrylate	9.32	69	351596	50.13	ug/l	99
57) 1,3-Dichloropropane	9.68	76	516341	52.26	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.20	63	854933	246.20	ug/l	100
59) 2-Hexanone	9.79	43	1100125	251.42	ug/l	99
60) Dibromochloromethane	9.97	129	426771	53.62	ug/l	98
61) 1,2-Dibromoethane	10.11	107	328321	51.15	ug/l	98
64) Tetrachloroethene	9.53	164	417689	49.51	ug/l	96
65) Chlorobenzene	10.73	112	926228	49.38	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	380611	52.58	ug/l	97
67) Ethyl Benzene	10.87	91	1661368	50.17	ug/l	97
68) m/p-Xylenes	11.02	106	1062127	96.19	ug/l	95
69) o-Xylene	11.41	106	534855	50.71	ug/l	95
70) Styrene	11.44	104	881539	48.98	ug/l	95
71) Bromoform	11.61	173	295982	51.26	ug/l #	94
73) Isopropylbenzene	11.78	105	1466602	49.24	ug/l	100
74) N-amyl acetate	11.65	43	579528	50.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	368216	53.12	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	378733	52.09	ug/l	100
77) Bromobenzene	12.05	156	481764	54.01	ug/l	89
78) n-propylbenzene	12.16	91	1996034	51.89	ug/l	97
79) 2-Chlorotoluene	12.23	91	1180714	53.64	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	1159013	49.89	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	91190	51.42	ug/l	92
82) 4-Chlorotoluene	12.33	91	1256769	59.63	ug/l	95
83) tert-Butylbenzene	12.58	119	1360835	50.95	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	1306714	51.74	ug/l	98
85) sec-Butylbenzene	12.76	105	1552944	49.60	ug/l	99
86) p-Isopropyltoluene	12.89	119	1301467	51.29	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	804621	51.90	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	765161	50.54	ug/l	99
89) n-Butylbenzene	13.20	91	1290537	48.40	ug/l	98
90) Hexachloroethane	13.41	117	359078	54.53	ug/l	84
91) 1,2-Dichlorobenzene	13.20	146	605207	45.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	59054	53.53	ug/l	89

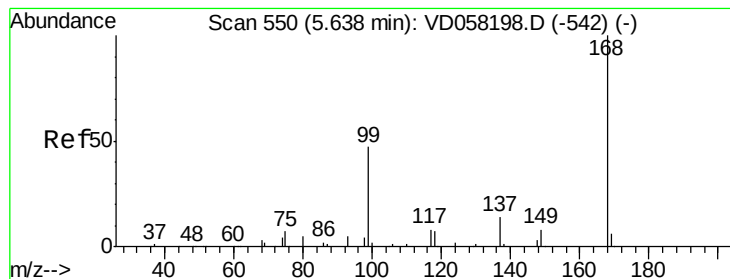
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	624433	49.49	ug/l	97
94) Hexachlorobutadiene	14.44	225	468137	47.43	ug/l	98
95) Naphthalene	14.52	128	809964	48.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	528803	47.87	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

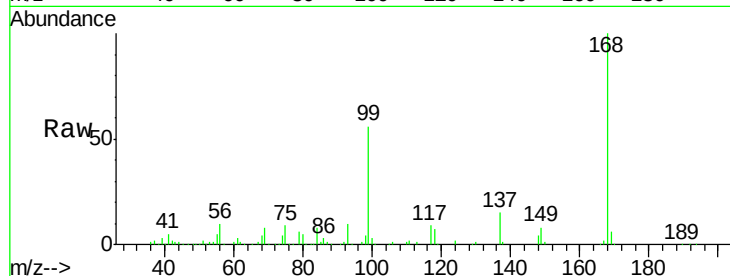
ClientSampleId :

Tot Ion:168 Resp: 973419

Ion Ratio Lower Upper

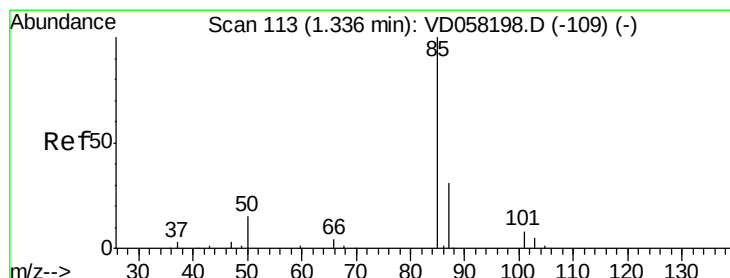
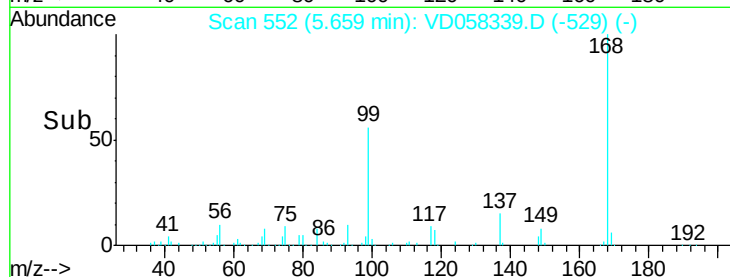
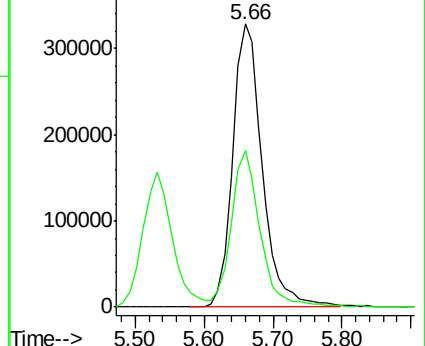
168 100

99 55.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.82 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058339.D

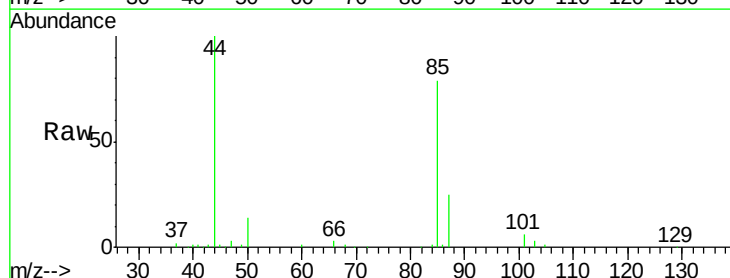
Acq: 23 Jun 2018 14:03

Tgt Ion: 85 Resp: 486907

Ion Ratio Lower Upper

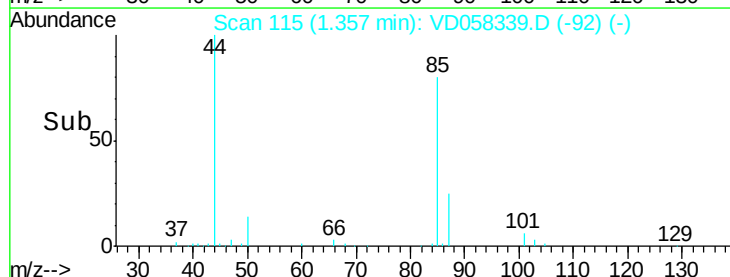
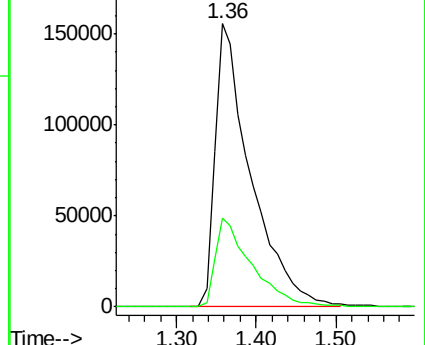
85 100

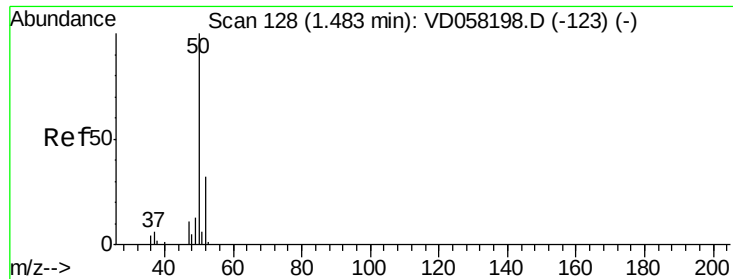
87 31.6 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.45 ug/l

RT: 1.51 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

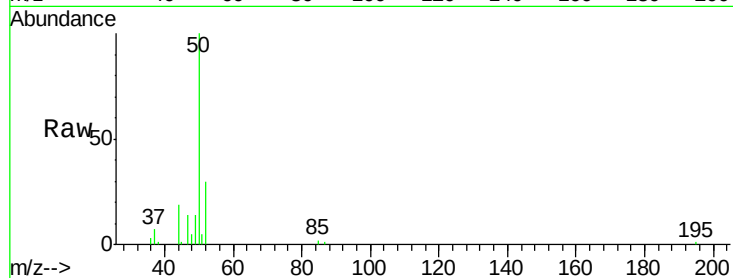
ClientSampleId :

Tot Ion: 50 Resp: 202518

Ion Ratio Lower Upper

50 100

52 30.0 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.51

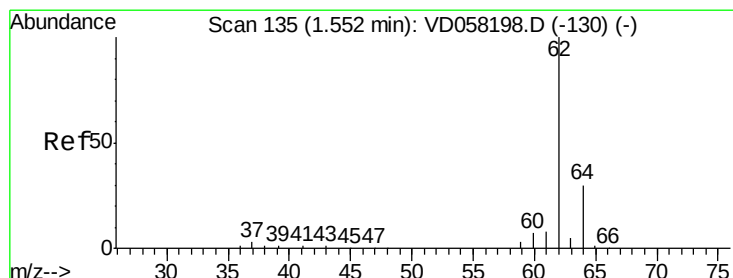
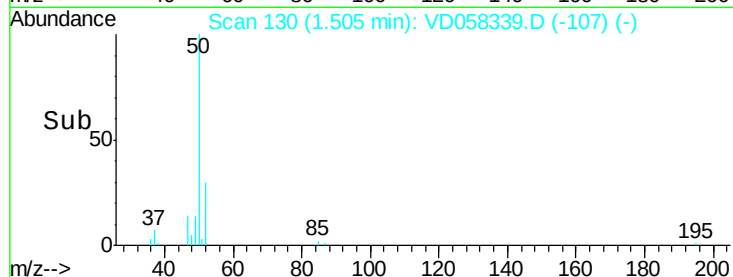
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 44.16 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058339.D

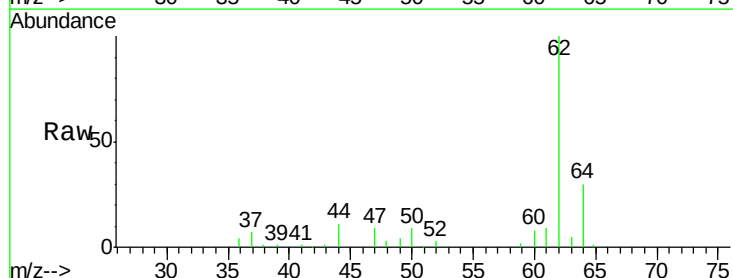
Acq: 23 Jun 2018 14:03

Tgt Ion: 62 Resp: 225161

Ion Ratio Lower Upper

62 100

64 30.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.57

100000

80000

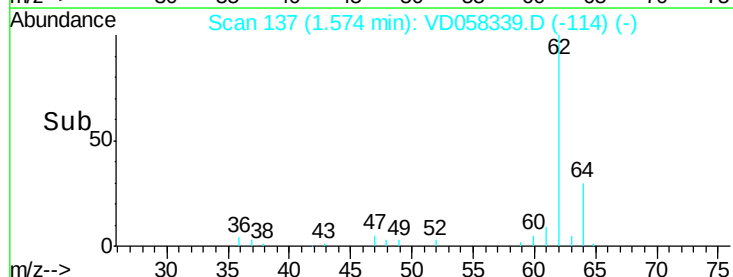
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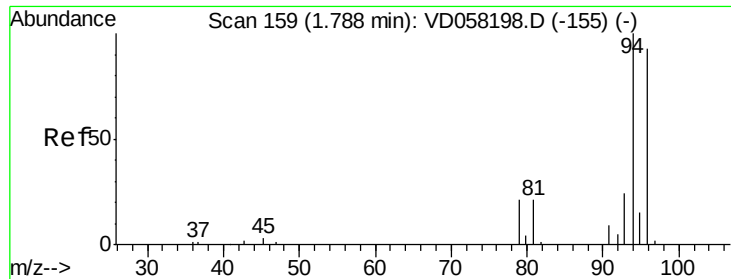
40000

20000

0

Time-->

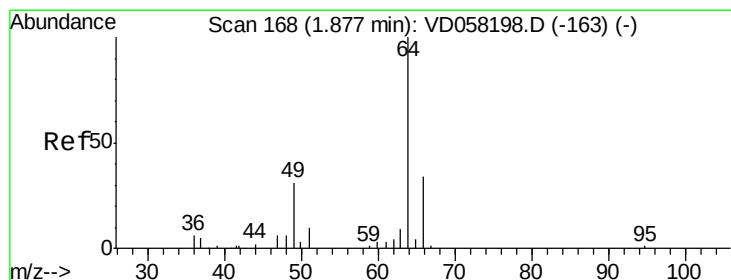
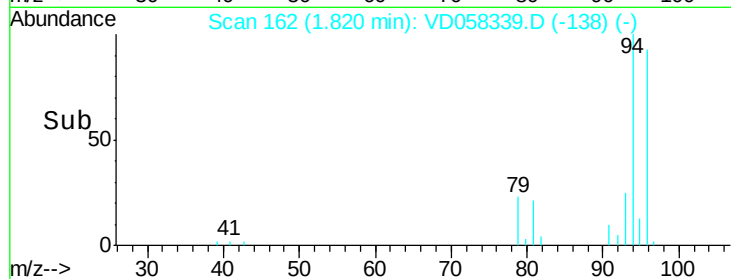
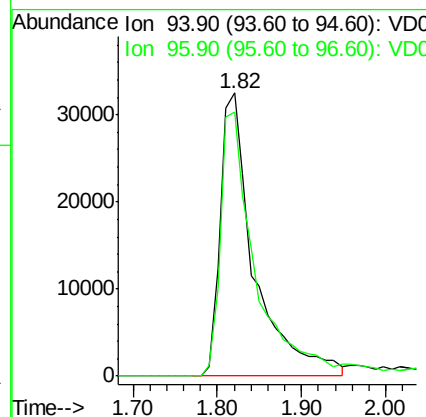
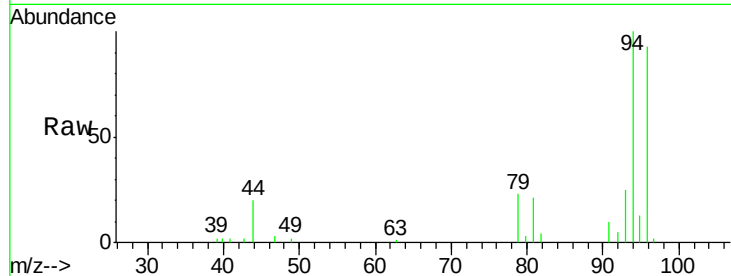




#5
Bromomethane
Concen: 53.95 ug/l
RT: 1.82 min Scan# 162
Delta R.T. 0.03 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

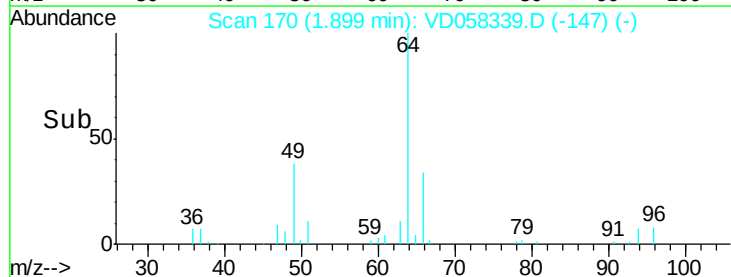
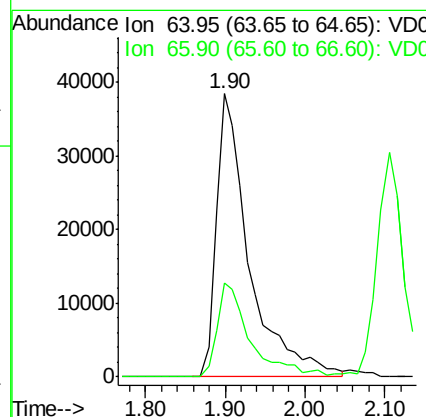
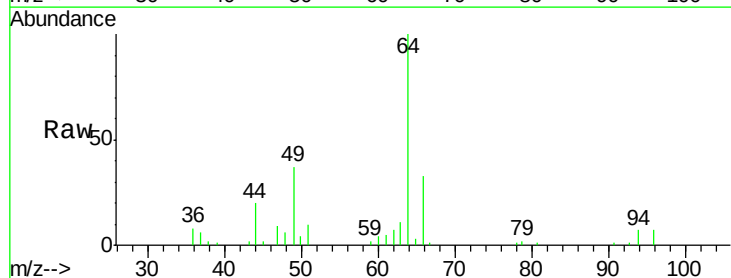
Instrument :
MSVOA_D
ClientSampleId :

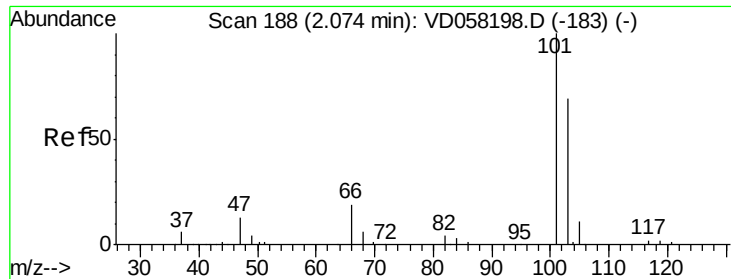
Tot Ion: 94 Resp: 91138
Ion Ratio Lower Upper
94 100
96 93.4 74.2 111.2



#6
Chloroethane
Concen: 61.30 ug/l
RT: 1.90 min Scan# 170
Delta R.T. 0.02 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion: 64 Resp: 110941
Ion Ratio Lower Upper
64 100
66 33.0 27.3 40.9



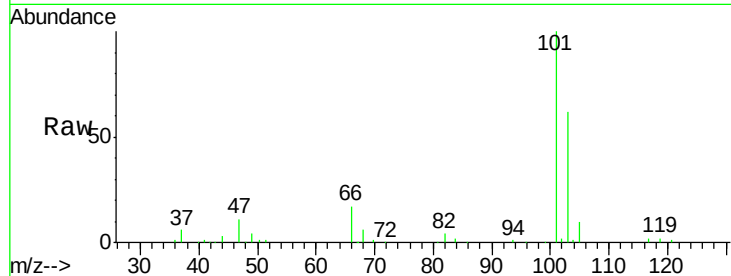


#7

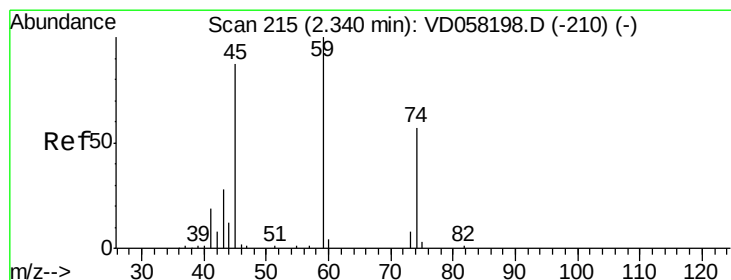
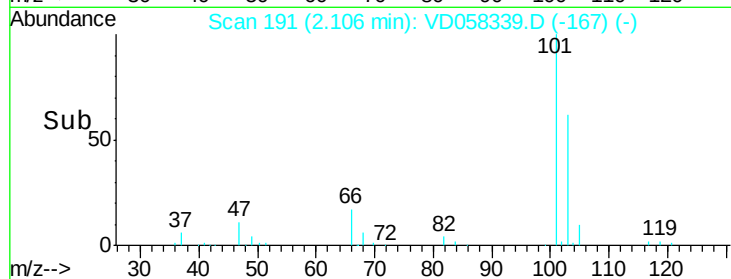
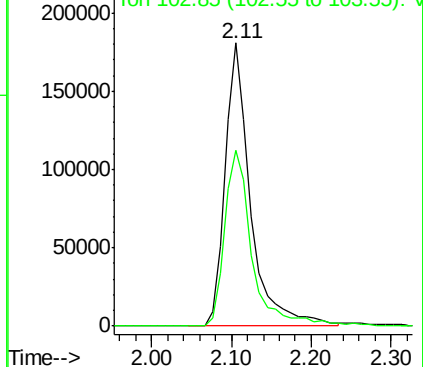
Trichlorofluoromethane
 Concen: 58.14 ug/l
 RT: 2.11 min Scan# 191
 Delta R.T. 0.03 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 406507
 Ion Ratio Lower Upper
 101 100
 103 62.1 55.1 82.7



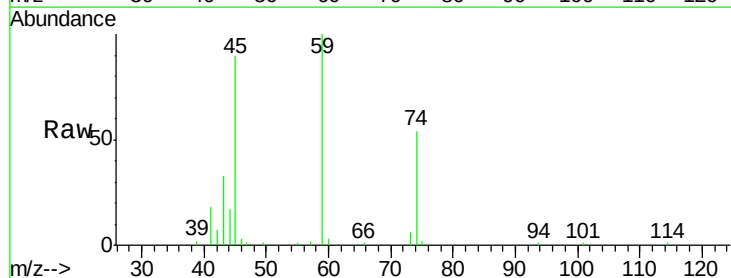
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



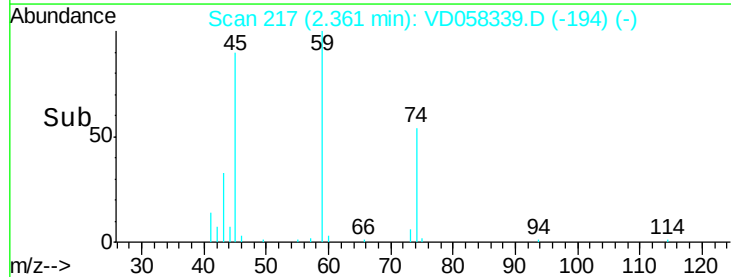
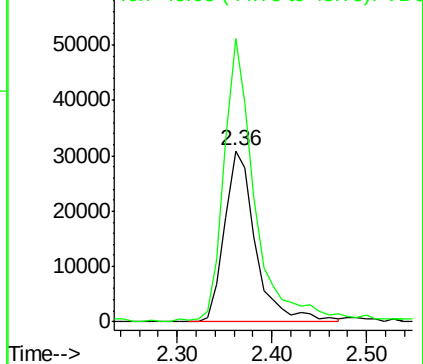
#8

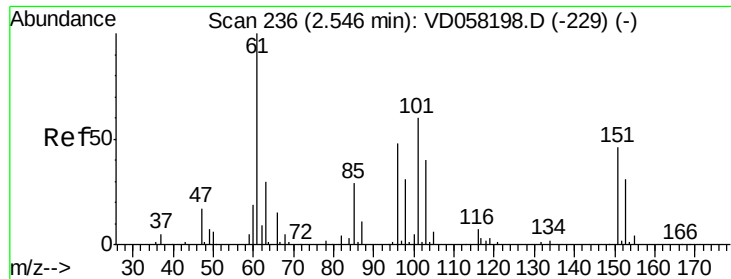
Diethyl Ether
 Concen: 47.46 ug/l
 RT: 2.36 min Scan# 217
 Delta R.T. 0.02 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion: 74 Resp: 70194
 Ion Ratio Lower Upper
 74 100
 45 165.3 77.5 232.6



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: 56.26 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.03 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampled :

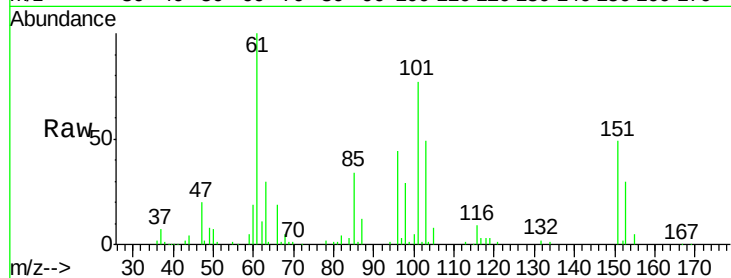
Tot Ion:101 Resp: 250079

Ion Ratio Lower Upper

101 100

85 44.9 39.0 58.4

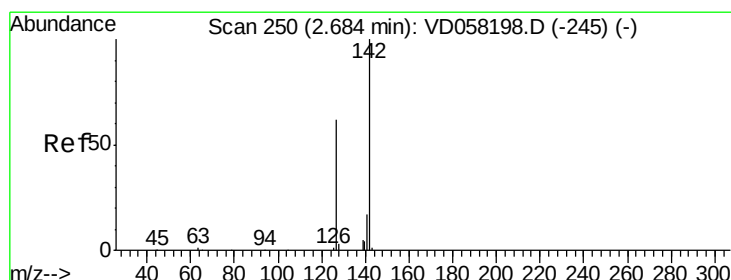
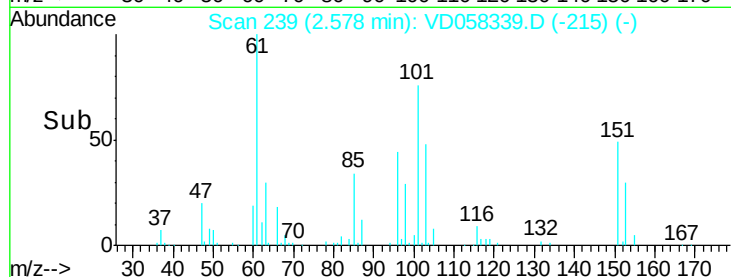
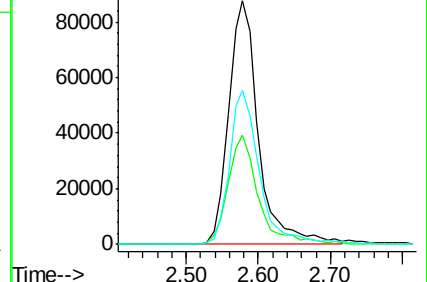
151 63.5 61.8 92.8



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: 49.61 ug/l

RT: 2.72 min Scan# 253

Delta R.T. 0.03 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

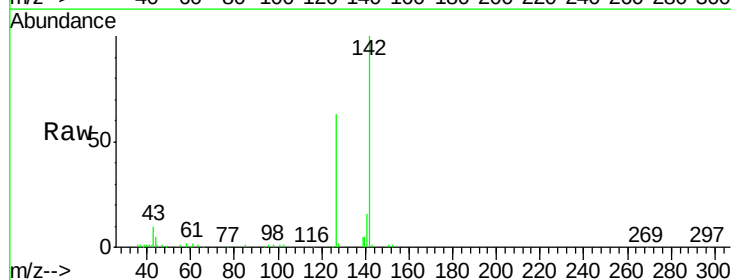
Tgt Ion:142 Resp: 250817

Ion Ratio Lower Upper

142 100

127 62.9 49.4 74.0

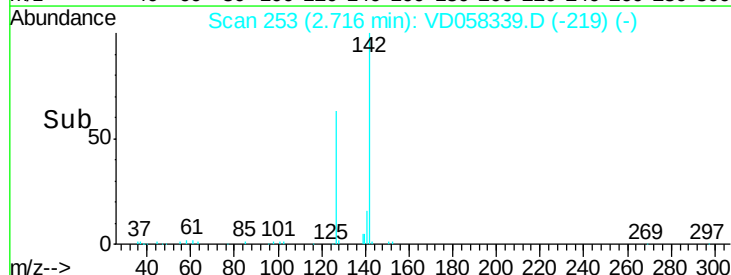
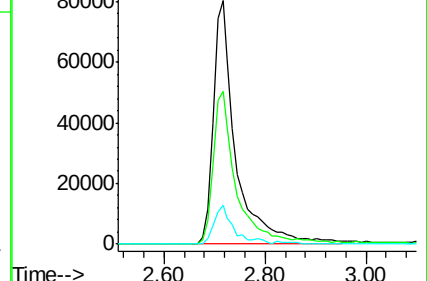
141 16.2 13.5 20.3

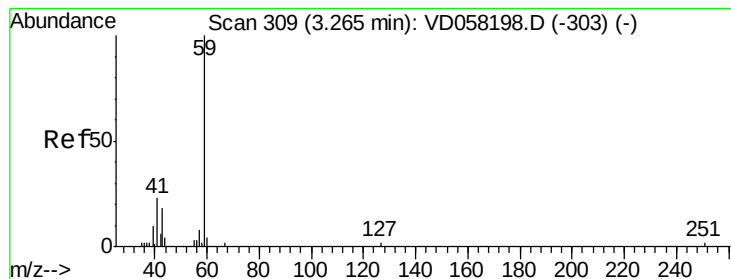


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



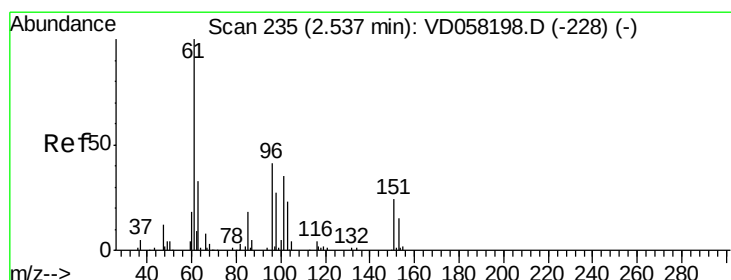
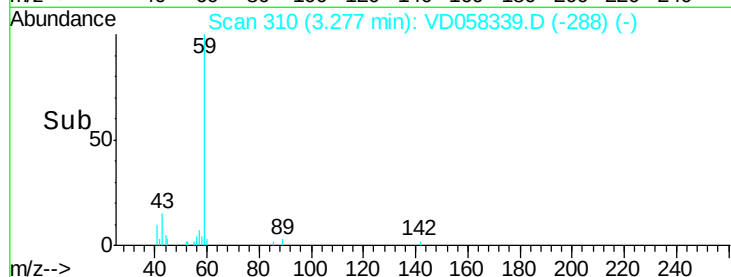
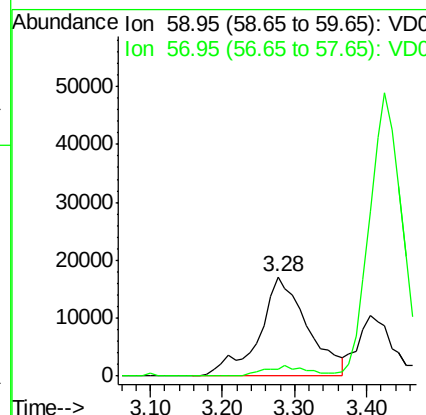
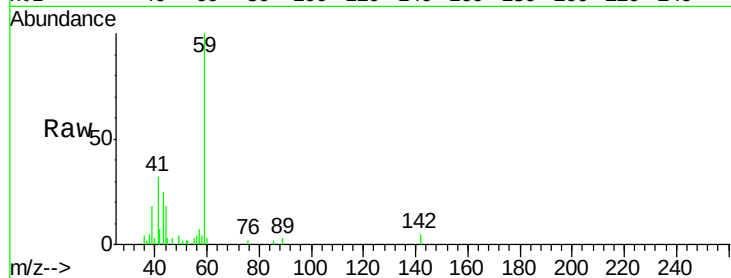


#11

Tert butyl alcohol
Concen: 244.53 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Instrument :
MSVOA_D
ClientSampled :

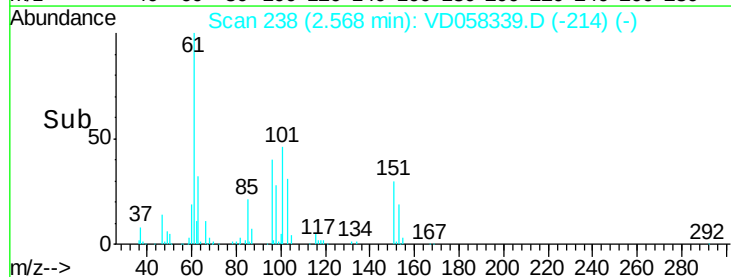
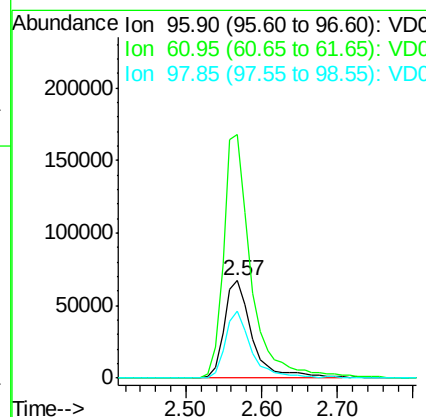
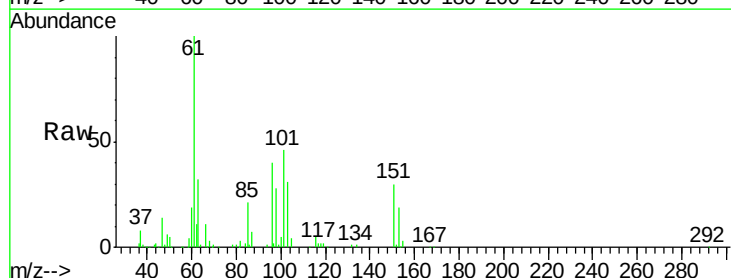
Tot Ion: 59 Resp: 79296
Ion Ratio Lower Upper
59 100
57 6.9 6.2 9.4

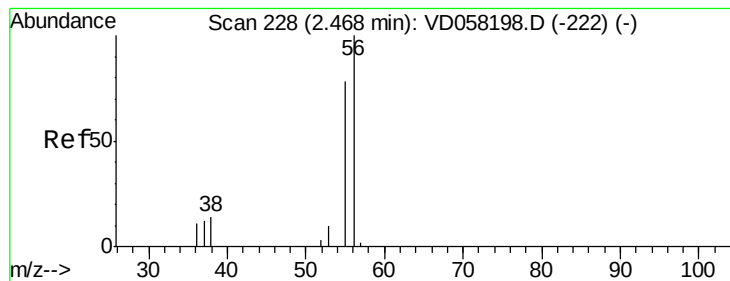


#12

1,1-Dichloroethene
Concen: 51.65 ug/l
RT: 2.57 min Scan# 238
Delta R.T. 0.03 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion: 96 Resp: 172721
Ion Ratio Lower Upper
96 100
61 249.8 193.9 290.9
98 69.0 51.7 77.5





#13

Acrolein

Concen: 127.32 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

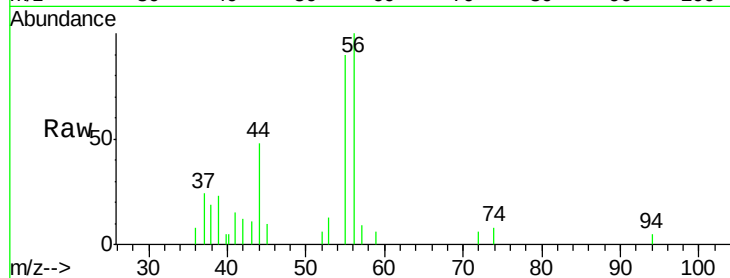
ClientSampleId :

Tot Ion: 56 Resp: 23569

Ion Ratio Lower Upper

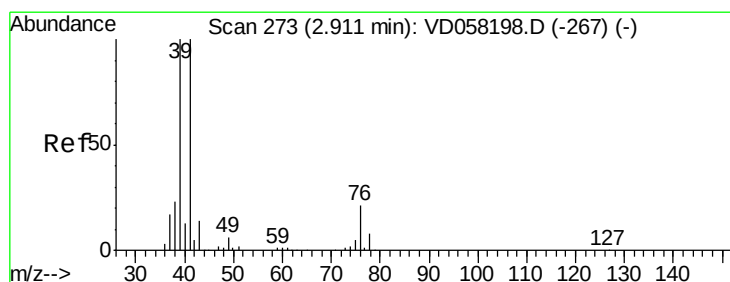
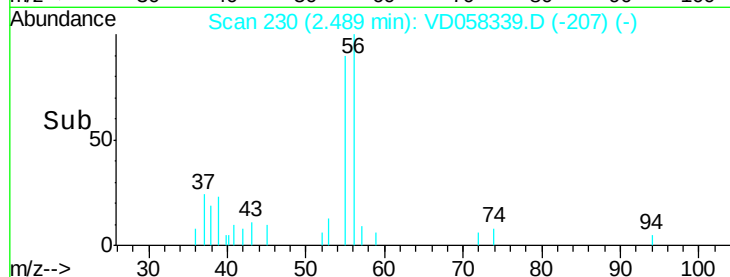
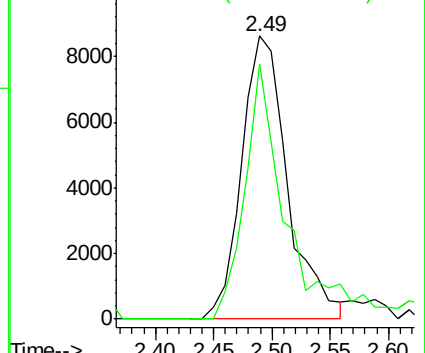
56 100

55 90.3 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.21 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.03 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

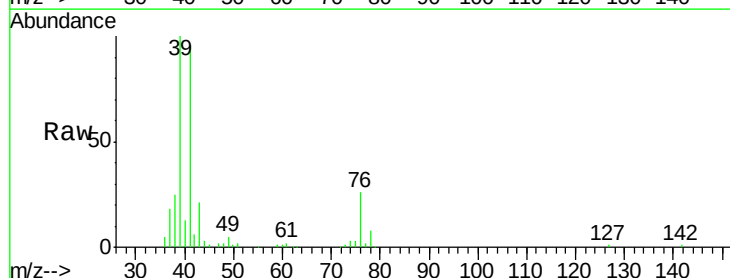
Tgt Ion: 41 Resp: 375213

Ion Ratio Lower Upper

41 100

39 104.3 80.1 120.1

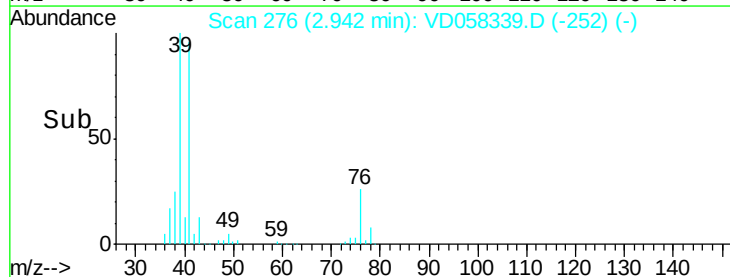
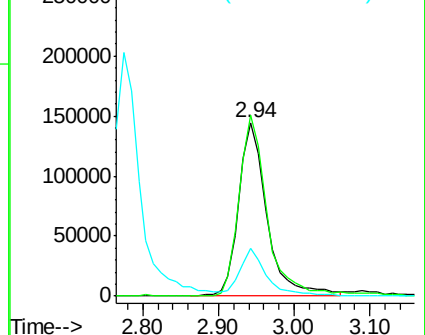
76 27.3 19.4 29.2

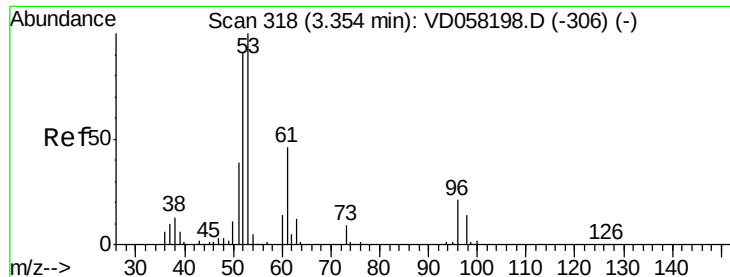


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 440.96 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampleId :

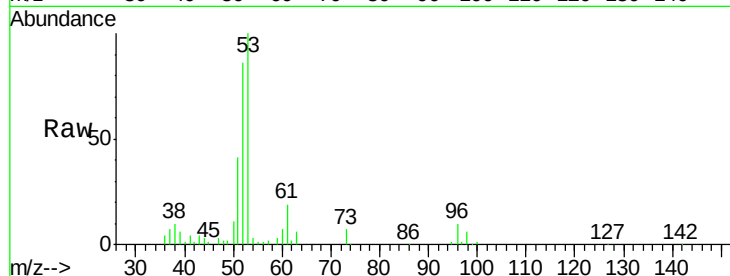
Tot Ion: 53 Resp: 379164

Ion Ratio Lower Upper

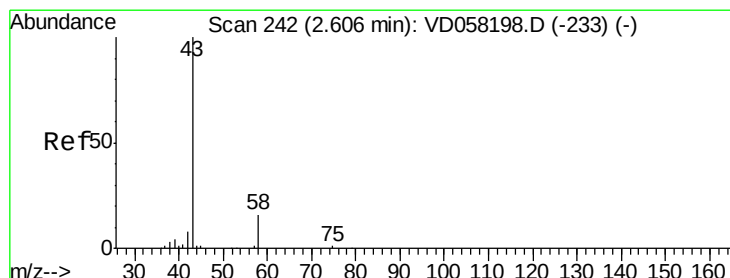
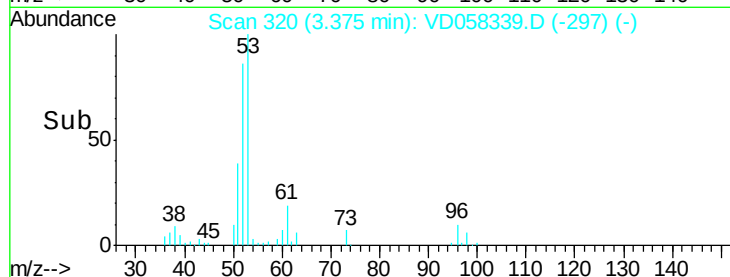
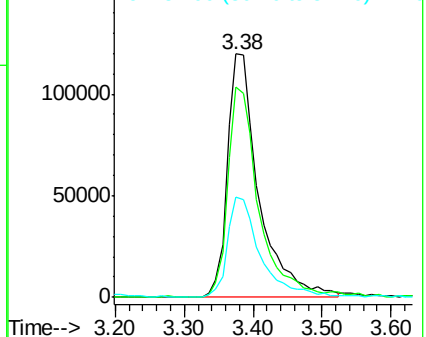
53 100

52 86.5 72.6 108.8

51 41.0 32.2 48.4



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: 272.77 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058339.D

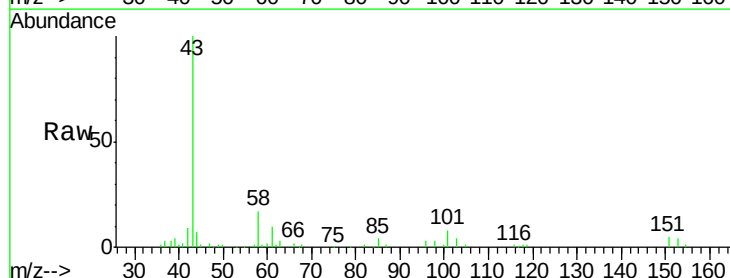
Acq: 23 Jun 2018 14:03

Tgt Ion: 43 Resp: 366776

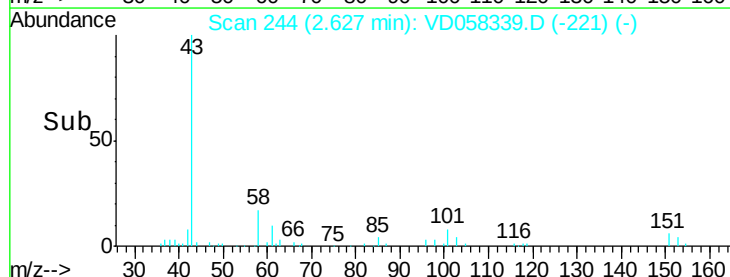
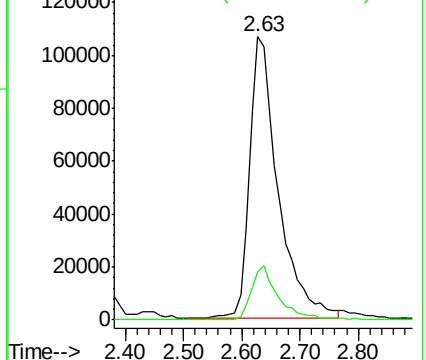
Ion Ratio Lower Upper

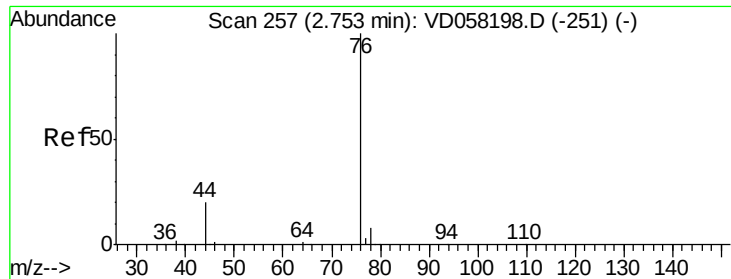
43 100

58 17.1 12.7 19.1



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





#17

Carbon Disulfide

Concen: 42.23 ug/l

RT: 2.77 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

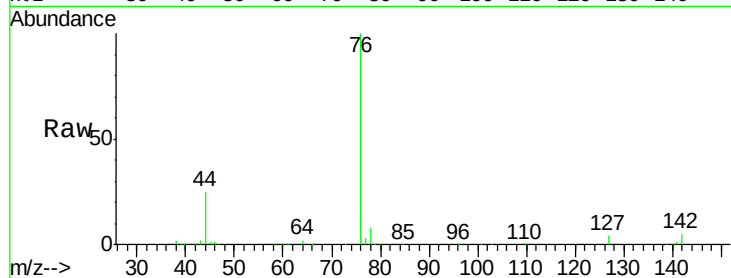
ClientSampleId :

Tot Ion: 76 Resp: 480455

Ion Ratio Lower Upper

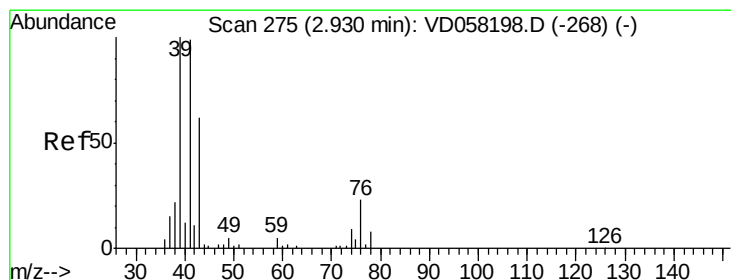
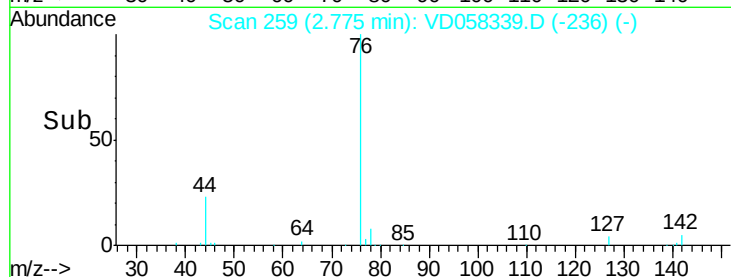
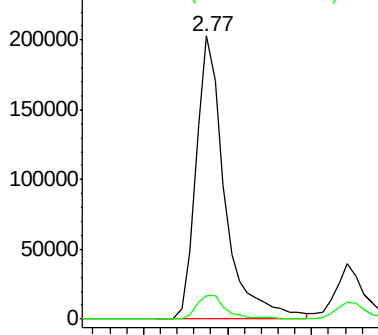
76 100

78 8.3 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: 45.72 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058339.D

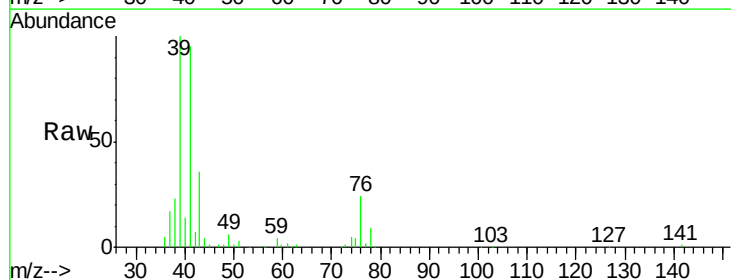
Acq: 23 Jun 2018 14:03

Tgt Ion: 43 Resp: 131105

Ion Ratio Lower Upper

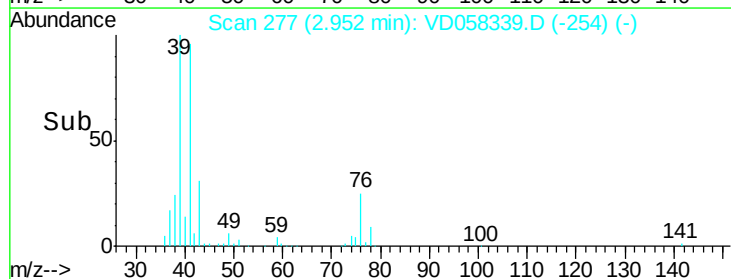
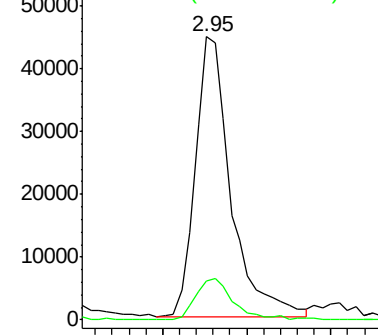
43 100

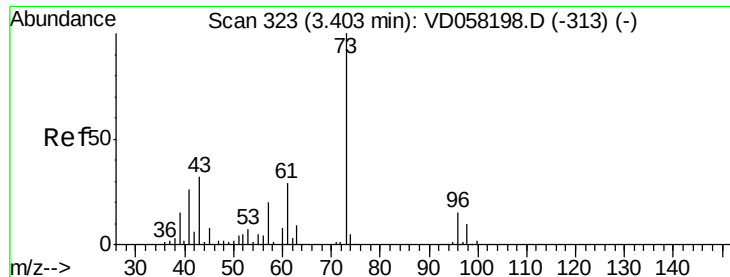
74 13.6 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



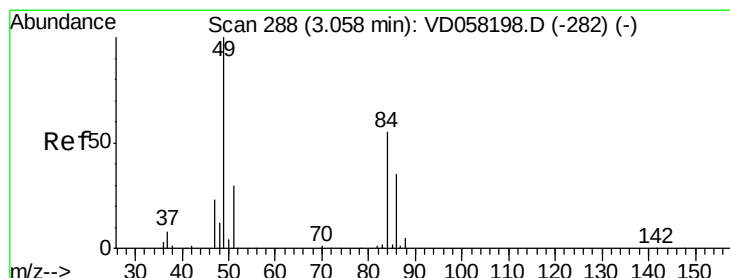
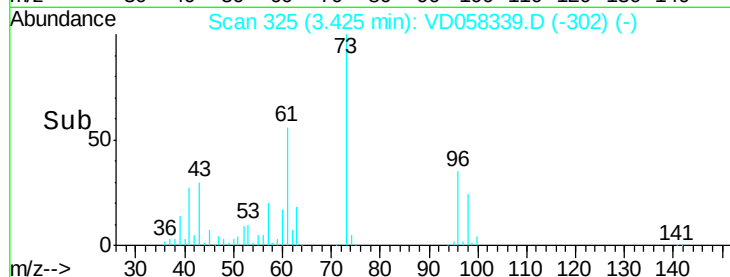
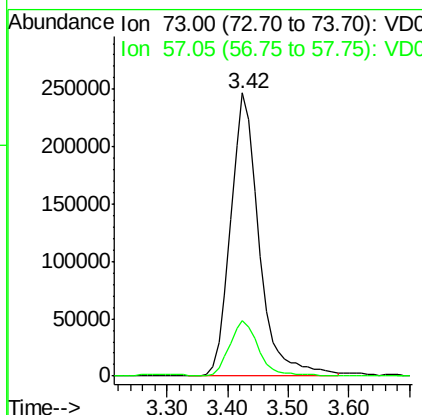
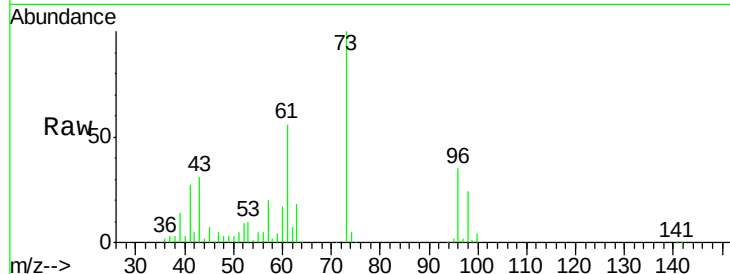


#19

Methyl tert-butyl Ether
 Concen: 91.08 ug/l
 RT: 3.42 min Scan# 325
 Delta R.T. 0.02 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Instrument :
 MSVOA_D
 ClientSampleId :

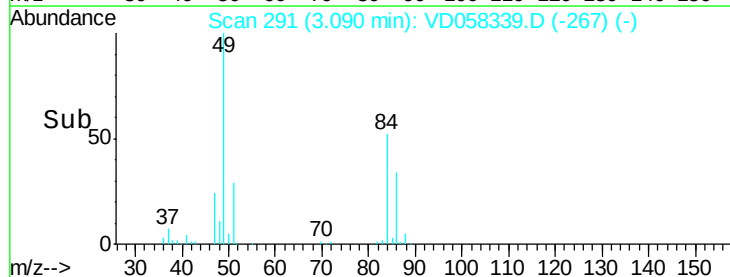
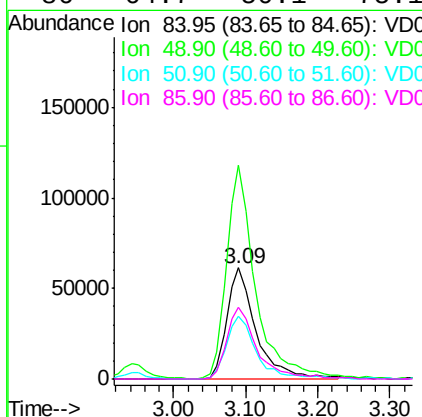
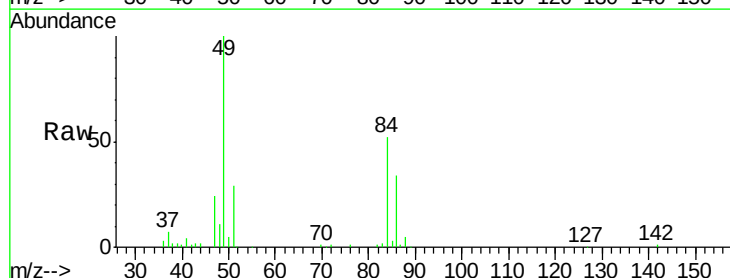
Tot Ion: 73 Resp: 807848
 Ion Ratio Lower Upper
 73 100
 57 19.8 16.6 24.8

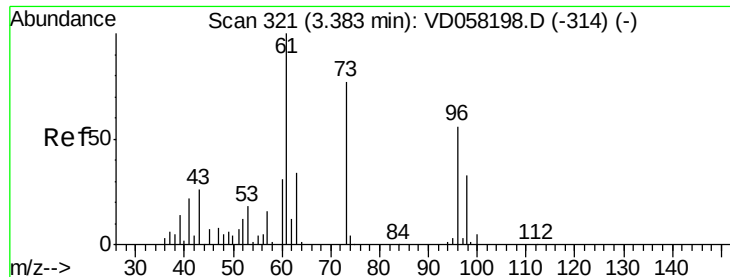


#20

Methylene Chloride
 Concen: 49.22 ug/l
 RT: 3.09 min Scan# 291
 Delta R.T. 0.03 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion: 84 Resp: 173027
 Ion Ratio Lower Upper
 84 100
 49 192.7 145.0 217.6
 51 56.5 42.9 64.3
 86 64.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 104.60 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampleId :

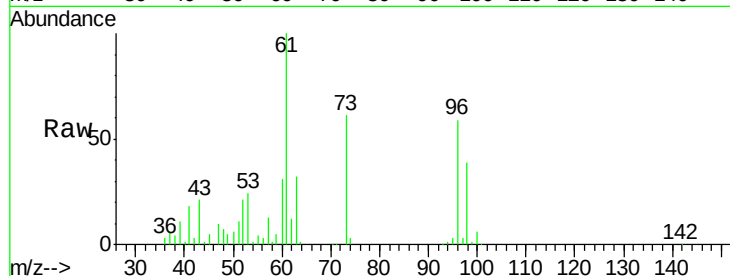
Tot Ion: 96 Resp: 382298

Ion Ratio Lower Upper

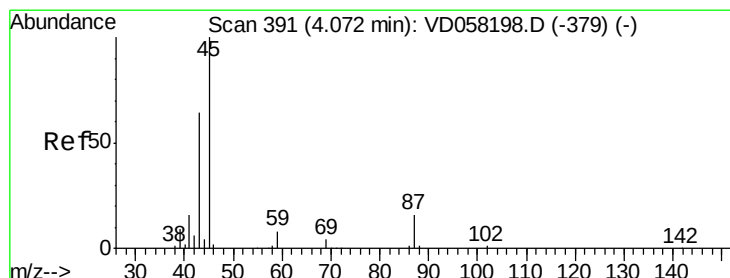
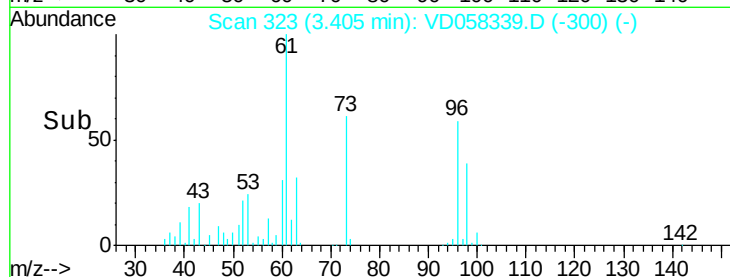
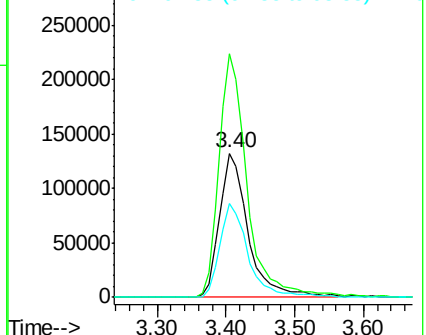
96 100

61 169.3 143.8 215.6

98 65.7 48.0 72.0



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: 45.87 ug/l

RT: 4.09 min Scan# 393

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Tgt Ion: 45 Resp: 1418000

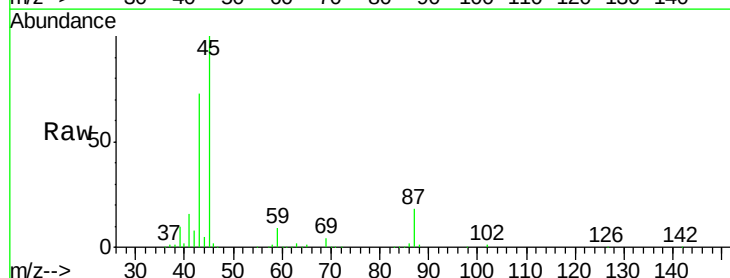
Ion Ratio Lower Upper

45 100

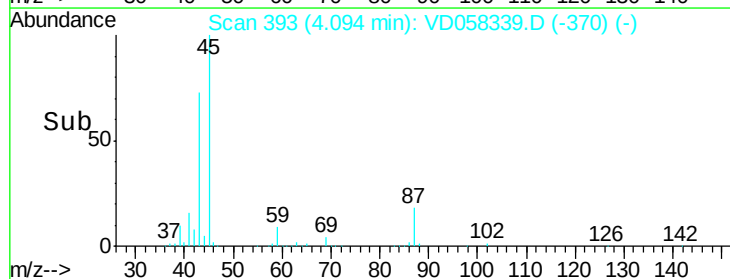
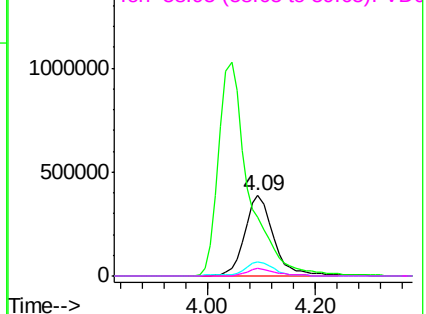
43 72.9 51.4 77.0

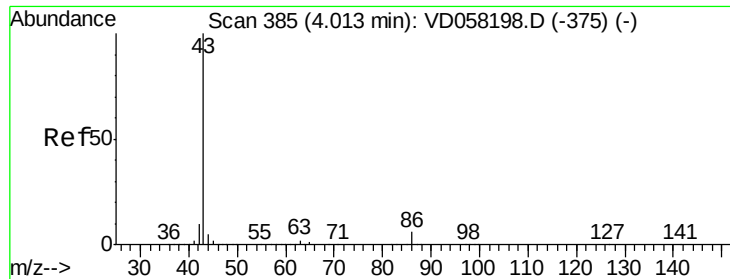
87 17.9 13.0 19.4

59 9.0 6.9 10.3



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: 238.27 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.03 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

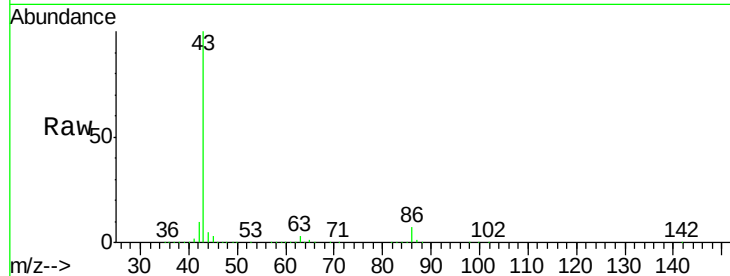
ClientSampled :

Tot Ion: 43 Resp: 3948468

Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

400000

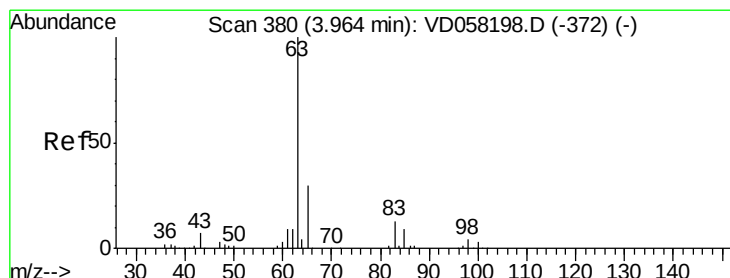
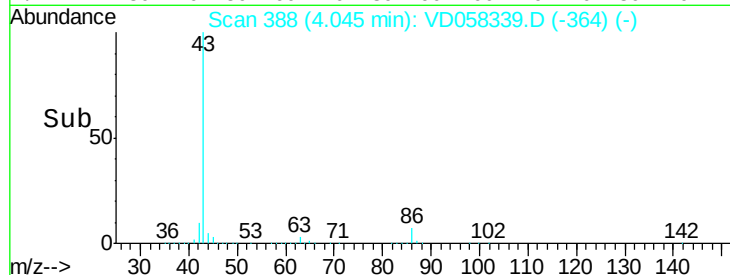
200000

0

Time-->

3.90 4.00 4.10 4.20

4.04



#24

1,1-Dichloroethane

Concen: 50.55 ug/l

RT: 4.00 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

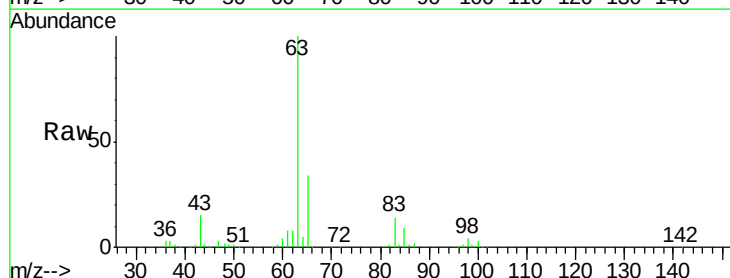
Tgt Ion: 63 Resp: 841863

Ion Ratio Lower Upper

63 100

98 4.3 1.9 5.7

100 3.3 1.3 3.9



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

300000

200000

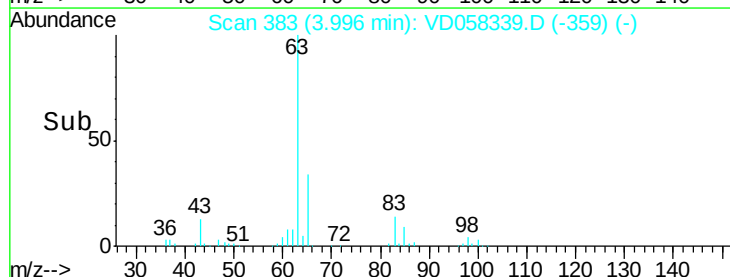
100000

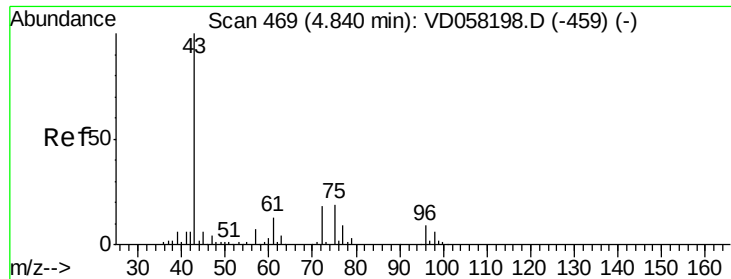
0

Time-->

3.90 4.00 4.10 4.20

4.00





#25

2-Butanone

Concen: 232.02 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

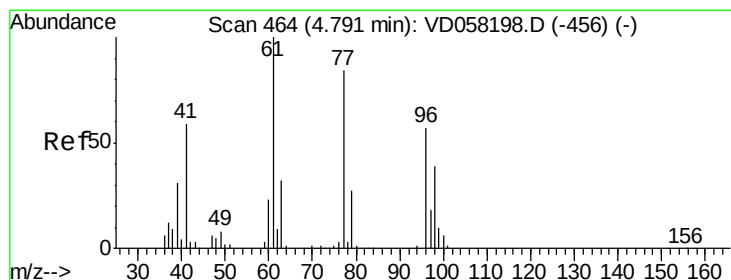
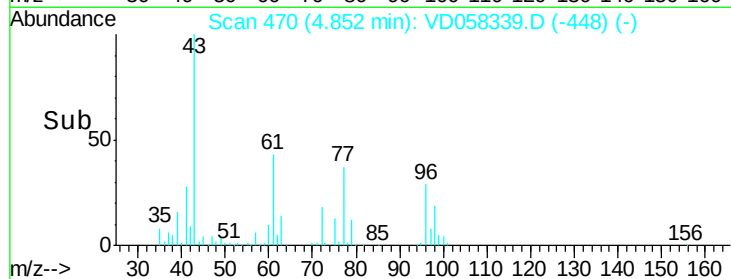
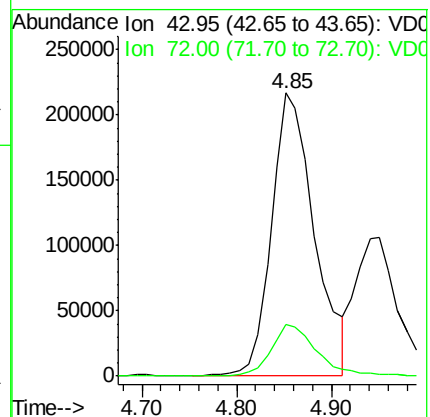
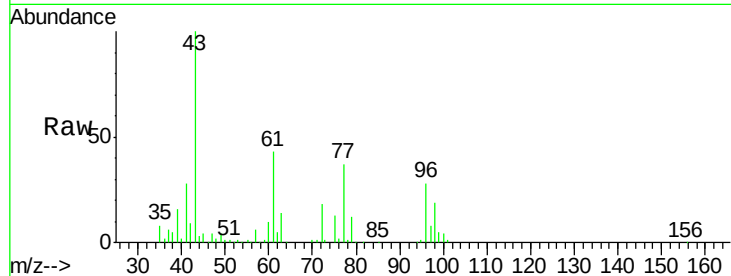
ClientSampled :

Tot Ion: 43 Resp: 679975

Ion Ratio Lower Upper

43 100

72 18.1 14.1 21.1



#26

2,2-Dichloropropane

Concen: 51.71 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD058339.D

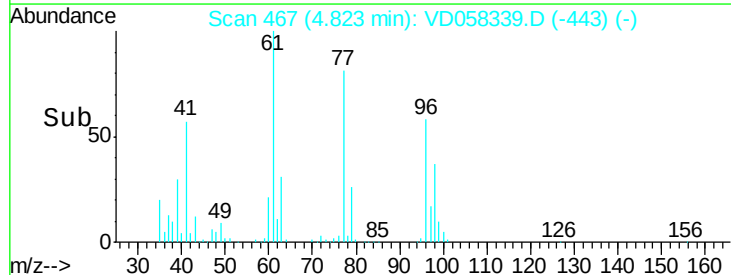
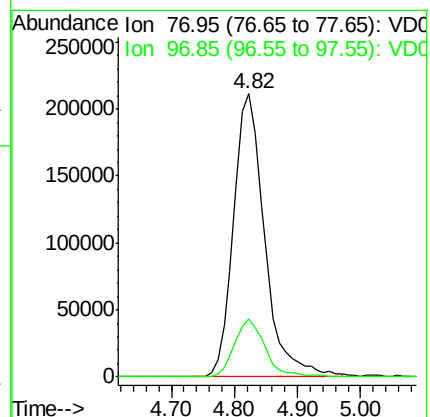
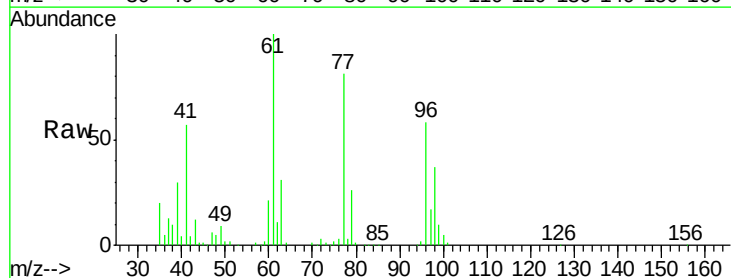
Acq: 23 Jun 2018 14:03

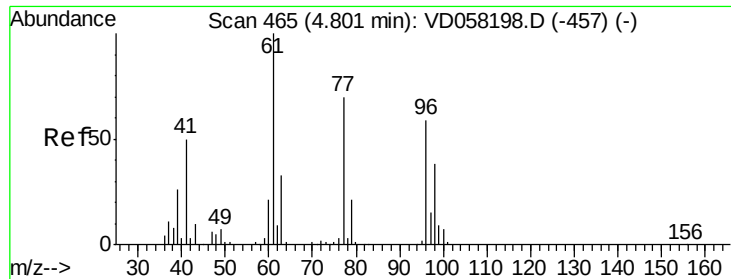
Tgt Ion: 77 Resp: 721174

Ion Ratio Lower Upper

77 100

97 20.4 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 50.41 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampleId :

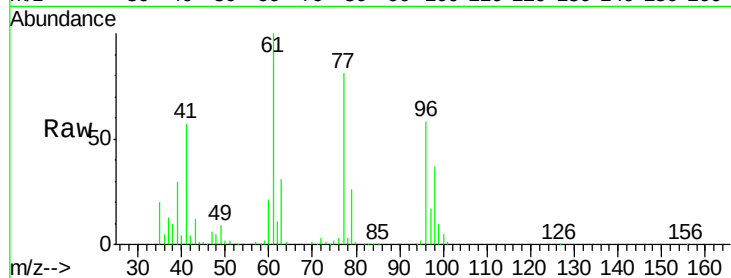
Tot Ion: 96 Resp: 460449

Ion Ratio Lower Upper

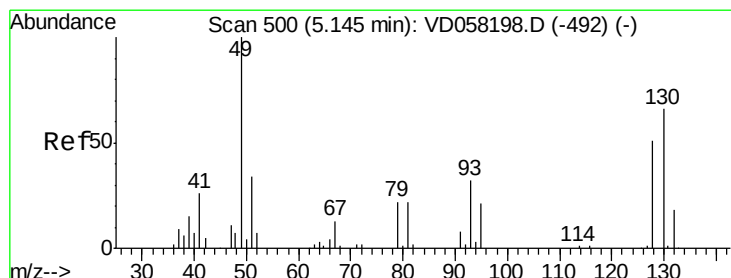
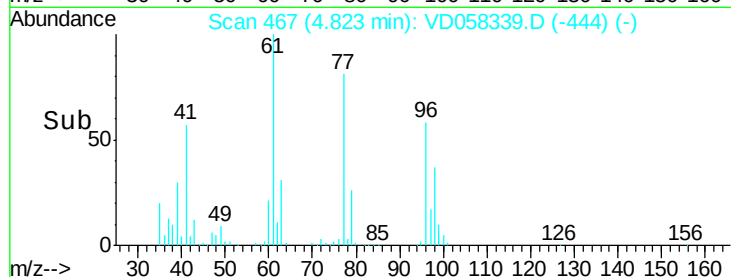
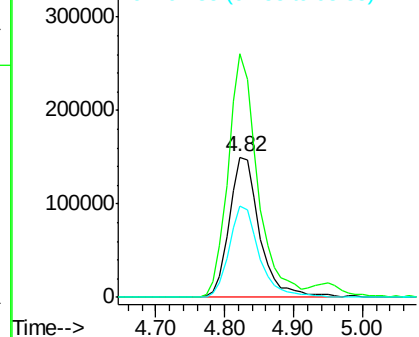
96 100

61 173.5 0.0 338.6

98 64.8 0.0 130.2



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: 52.74 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

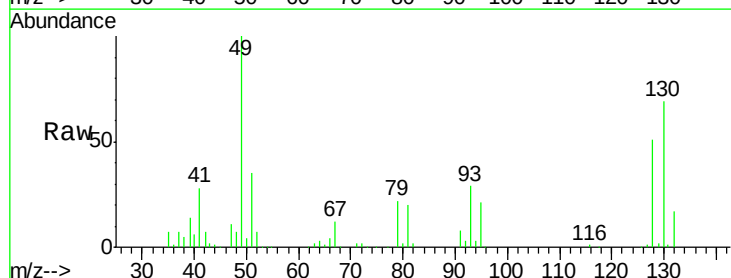
Tgt Ion: 49 Resp: 393785

Ion Ratio Lower Upper

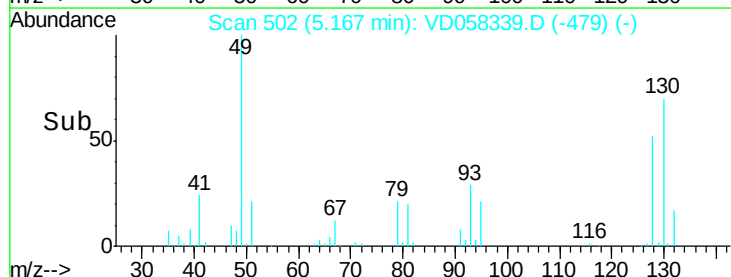
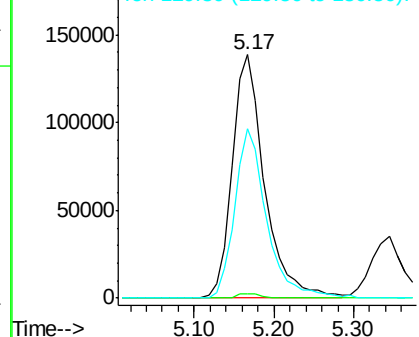
49 100

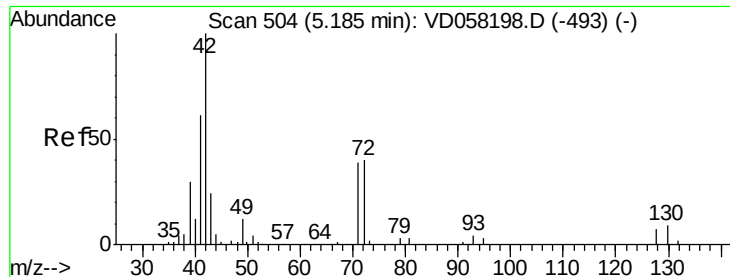
129 1.6 0.0 0.0#

130 69.5 52.6 79.0



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

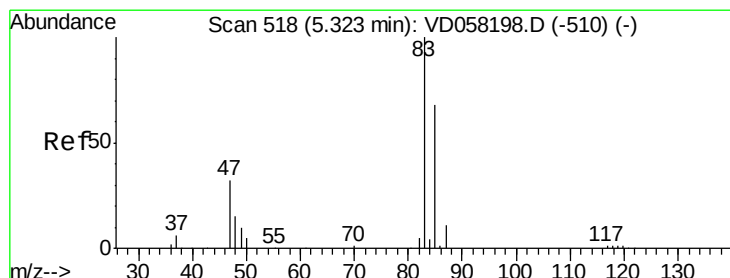
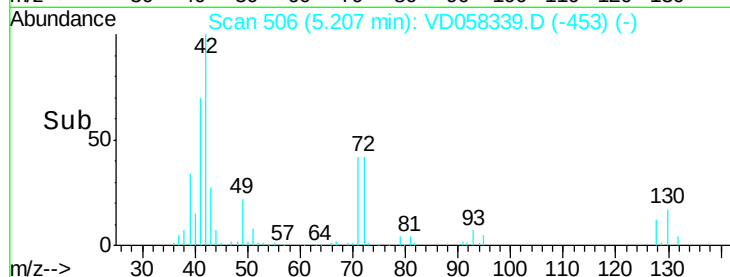
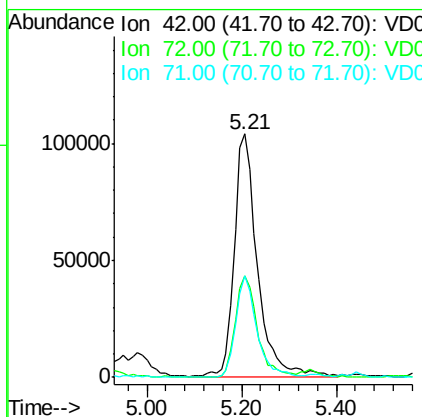
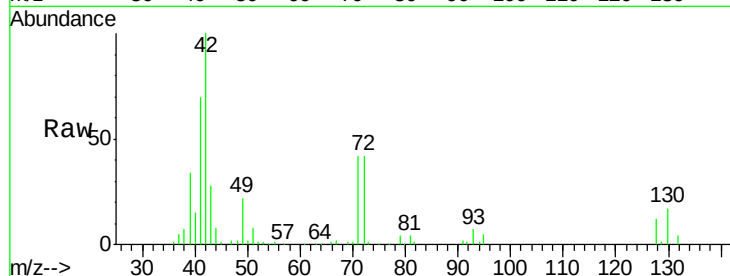




#29
Tetrahydrofuran
Concen: 223.53 ug/l
RT: 5.21 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

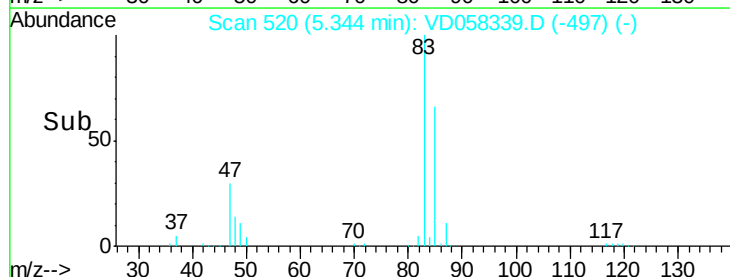
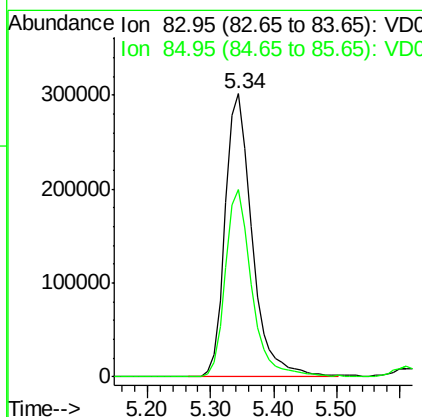
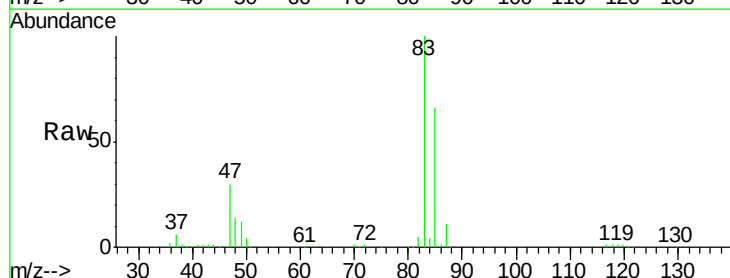
Instrument :
MSVOA_D
ClientSampled :

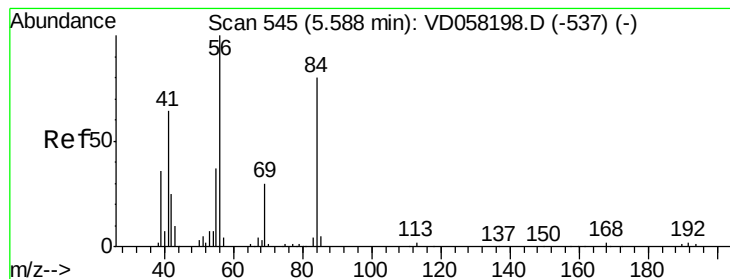
Tot Ion: 42 Resp: 348684
Ion Ratio Lower Upper
42 100
72 40.4 30.2 45.2
71 38.4 30.1 45.1



#30
Chloroform
Concen: 51.06 ug/l
RT: 5.34 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion: 83 Resp: 897812
Ion Ratio Lower Upper
83 100
85 66.1 54.8 82.2





#31

Cyclohexane

Concen: 51.79 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :
MSVOA_D
ClientSampleId :

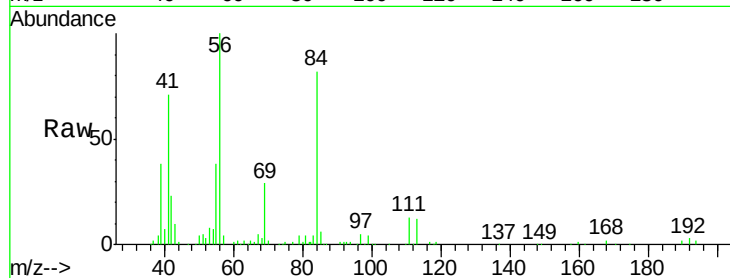
Tot Ion: 56 Resp: 623931

Ion Ratio Lower Upper

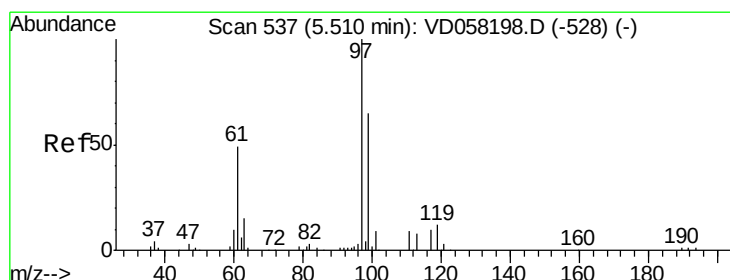
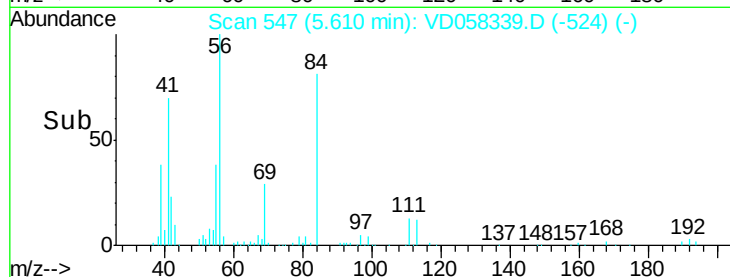
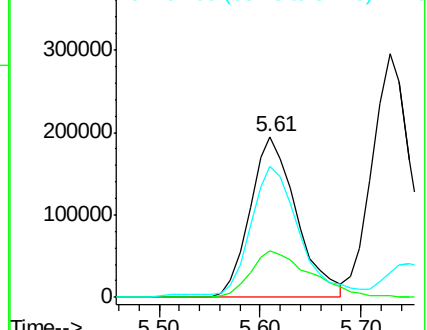
56 100

69 28.8 23.6 35.4

84 81.8 65.2 97.8



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: 50.78 ug/l

RT: 5.53 min Scan# 539

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

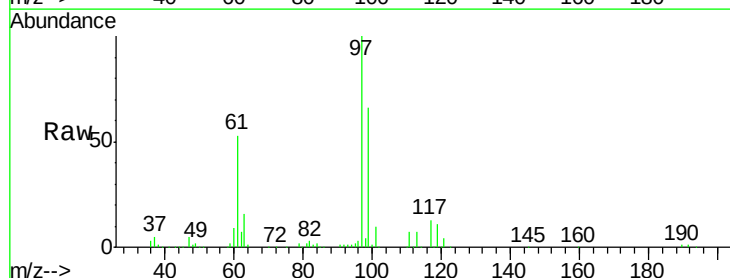
Tgt Ion: 97 Resp: 737625

Ion Ratio Lower Upper

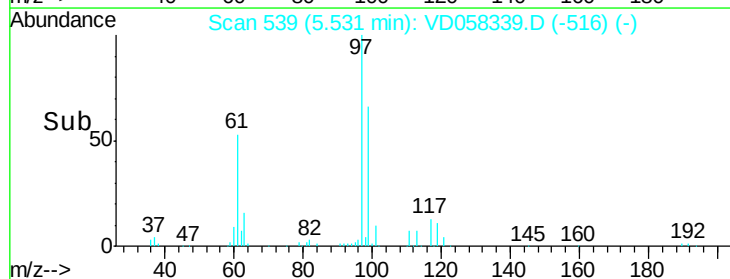
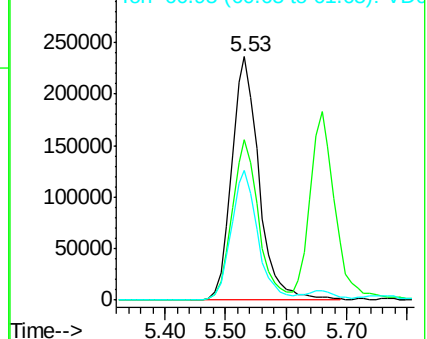
97 100

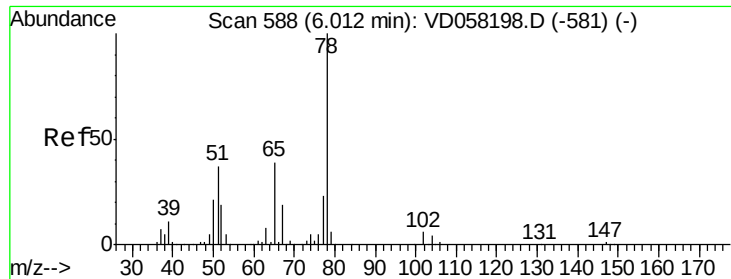
99 66.1 52.2 78.4

61 53.2 39.0 58.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

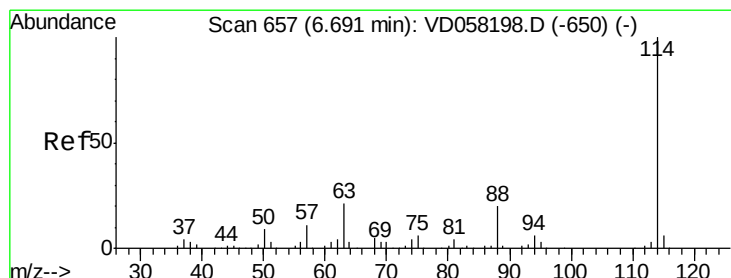
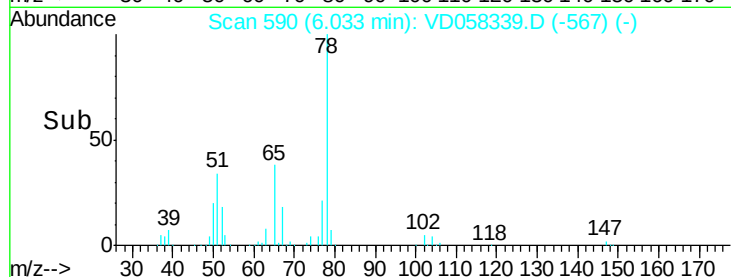
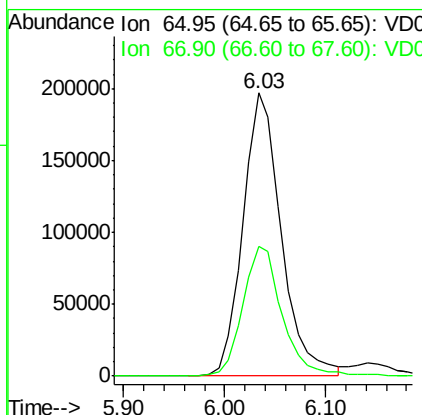
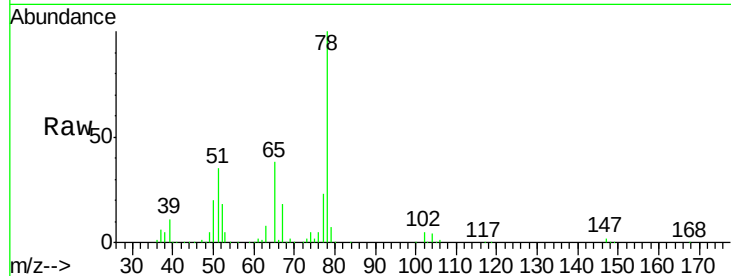




#33
 1,2-Dichloroethane-d4
 Concen: 50.78 ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

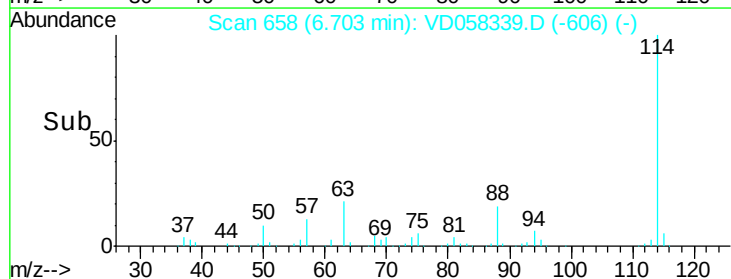
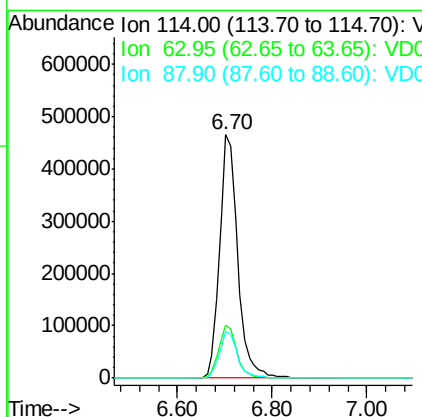
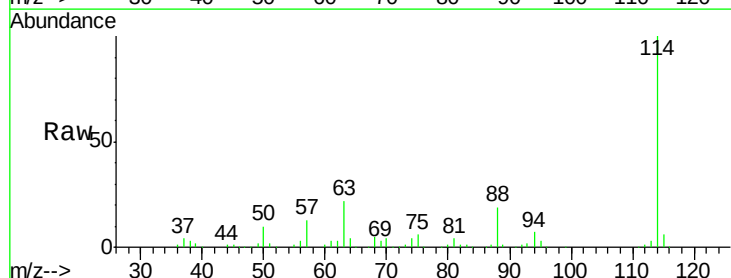
Instrument :
 MSVOA_D
 ClientSampleId :

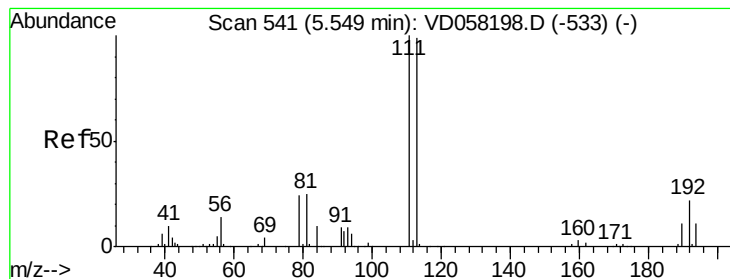
Tot Ion: 65 Resp: 521067
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion: 114 Resp: 1235441
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.6
 88 19.0 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :
MSVOA_D
ClientSampleId :

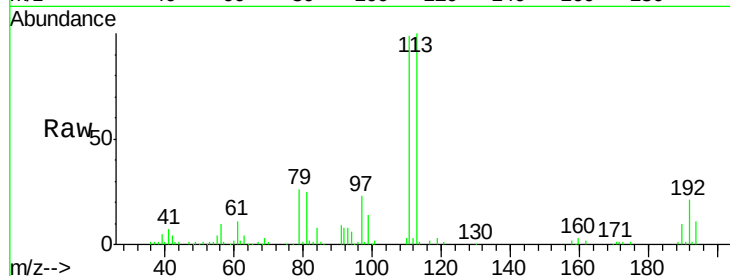
Tot Ion:113 Resp: 551136

Ion Ratio Lower Upper

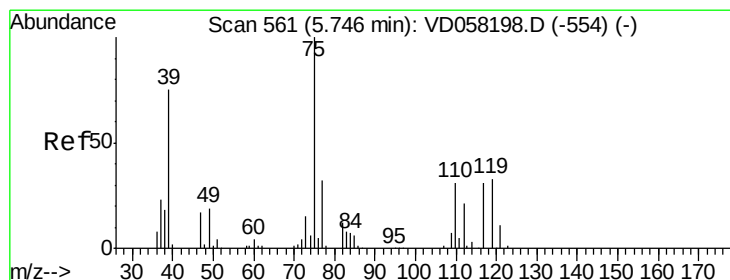
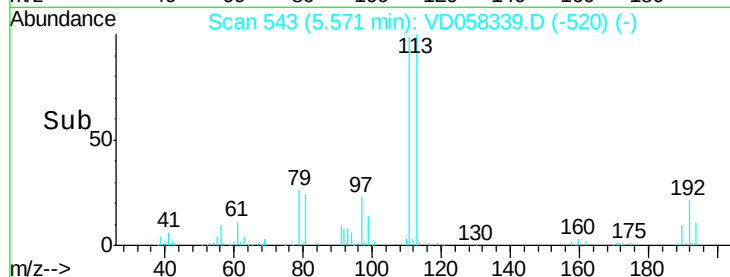
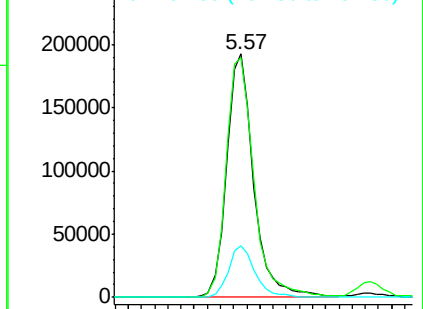
113 100

111 98.7 80.6 121.0

192 21.0 17.8 26.6



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



#36

1,1-Dichloropropene

Concen: 51.23 ug/l

RT: 5.77 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

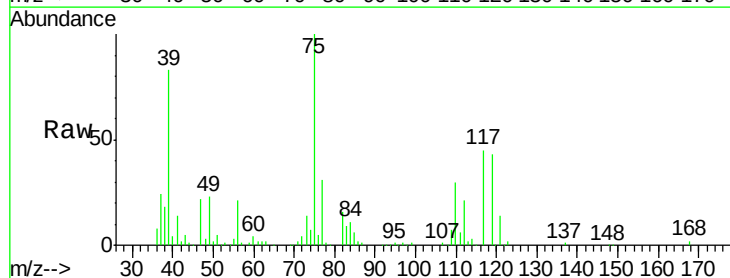
Tgt Ion: 75 Resp: 626090

Ion Ratio Lower Upper

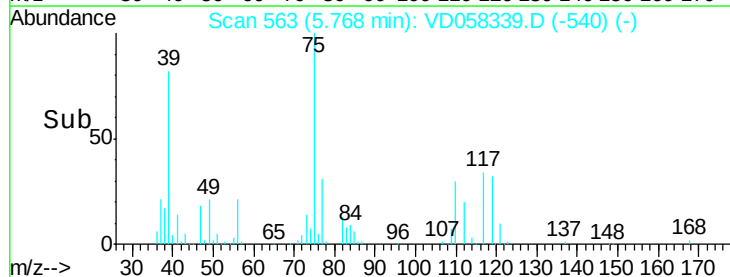
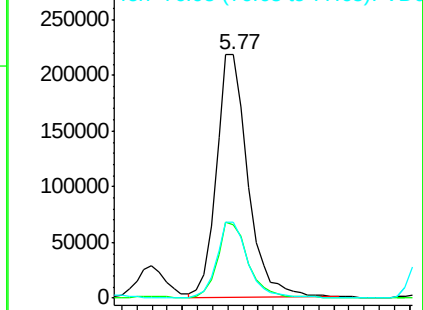
75 100

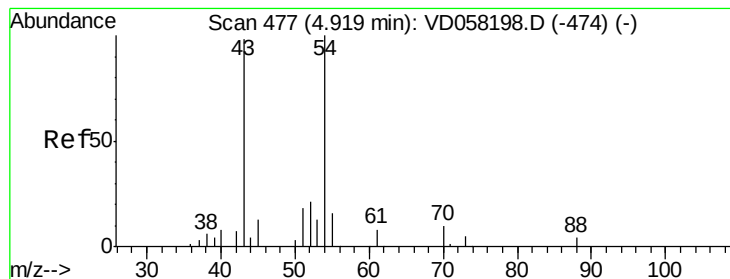
110 30.4 15.4 46.4

77 31.2 25.4 38.2



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: 48.34 ug/l

RT: 4.95 min Scan# 480

Delta R.T. 0.03 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampleId :

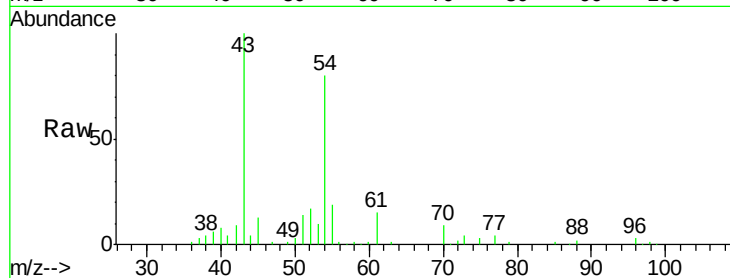
Tot Ion: 43 Resp: 336595

Ion Ratio Lower Upper

43 100

61 14.7 10.3 15.5

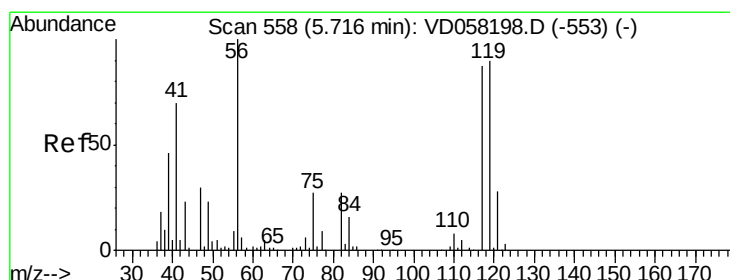
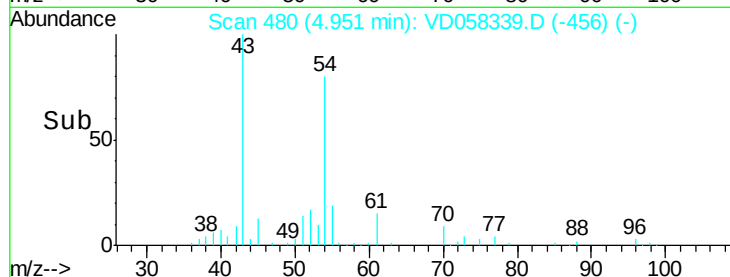
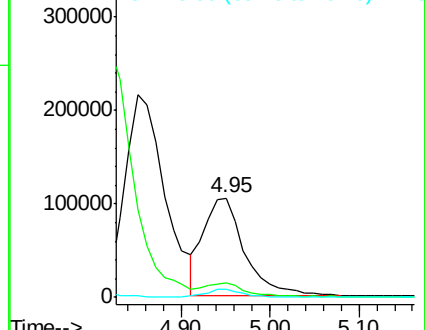
70 8.7 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 51.48 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

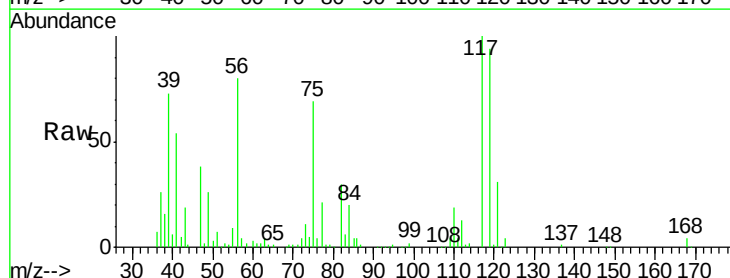
Tgt Ion: 117 Resp: 625107

Ion Ratio Lower Upper

117 100

119 93.5 78.8 118.2

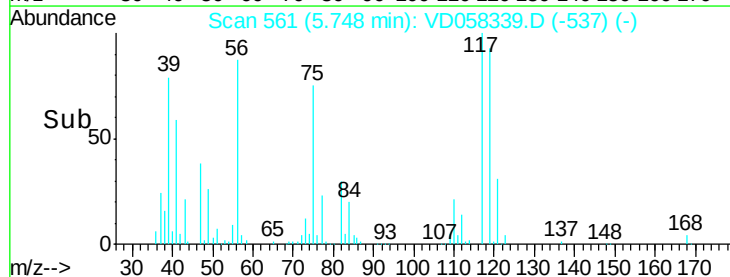
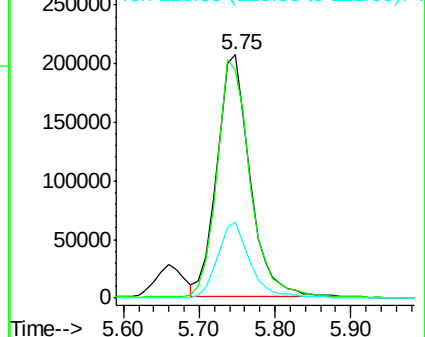
121 31.1 25.0 37.6

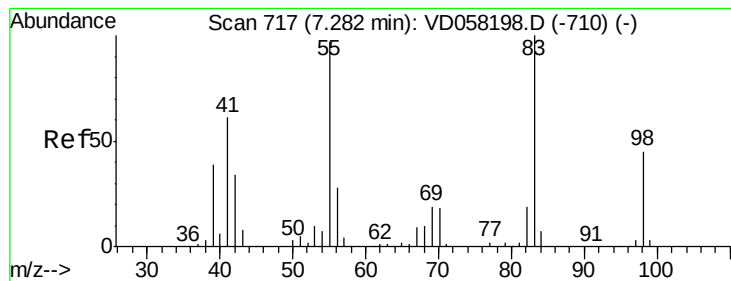


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 47.98 ug/l

RT: 7.30 min Scan# 719

Delta R.T. 0.02 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampled :

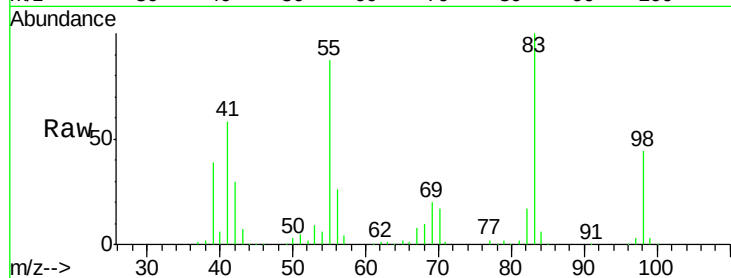
Tot Ion: 83 Resp: 571186

Ion Ratio Lower Upper

83 100

55 87.2 77.4 116.2

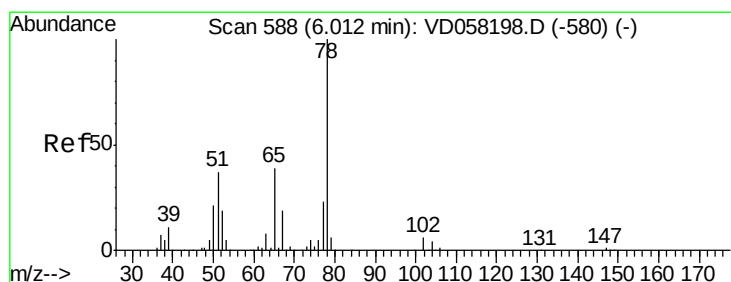
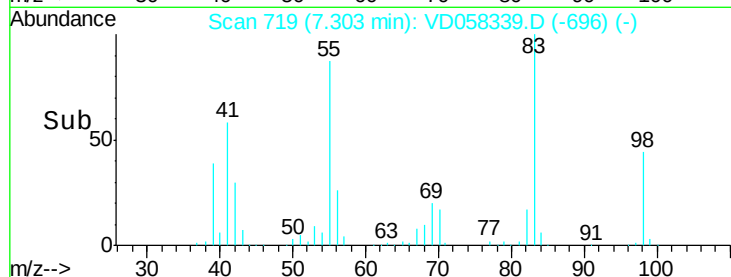
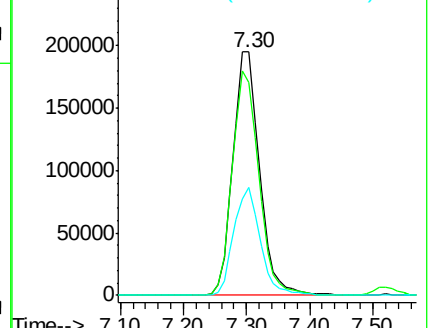
98 44.3 35.9 53.9



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: 50.76 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058339.D

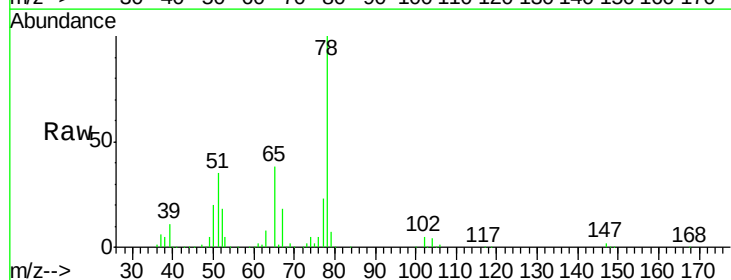
Acq: 23 Jun 2018 14:03

Tgt Ion: 78 Resp: 1477837

Ion Ratio Lower Upper

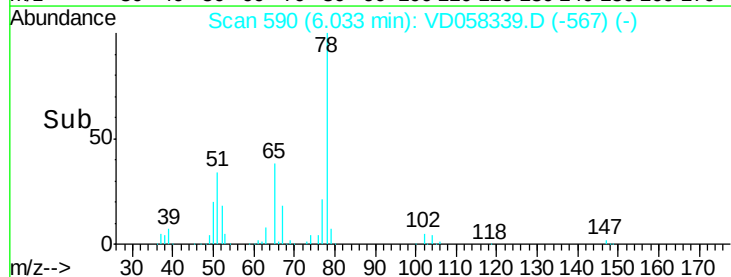
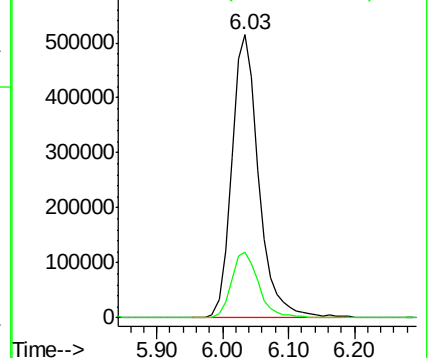
78 100

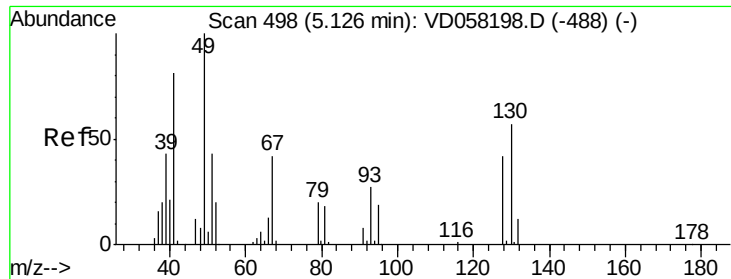
77 23.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

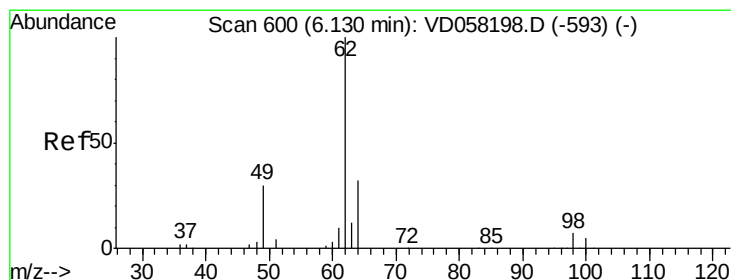
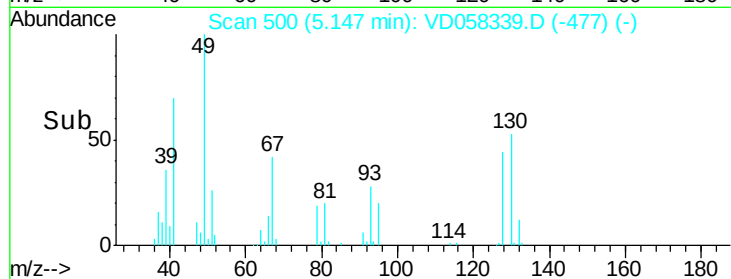
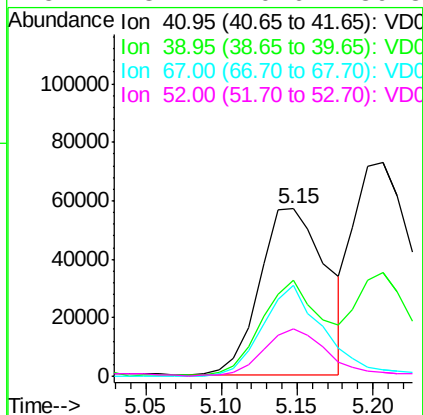
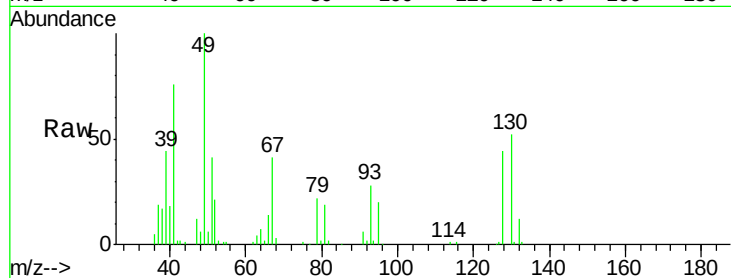




#41
Methacrylonitrile
Concen: 52.32 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

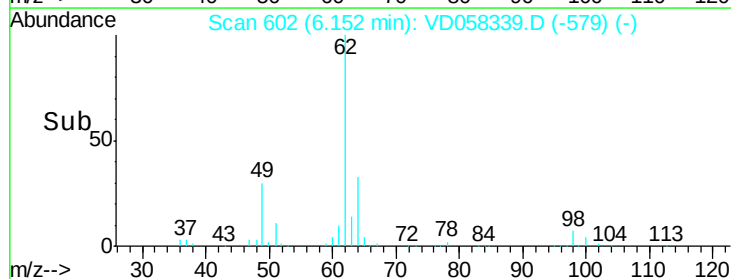
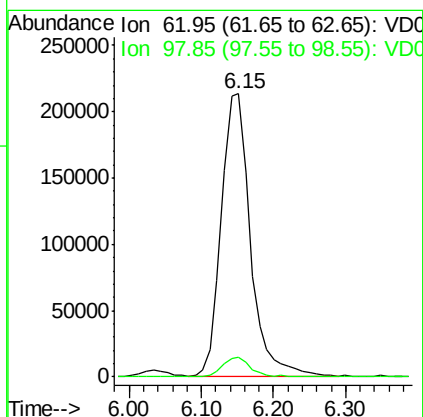
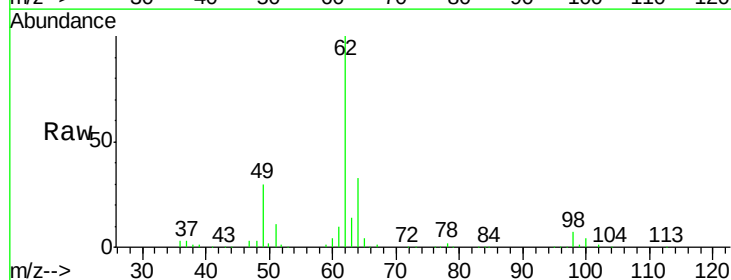
Instrument :
MSVOA_D
ClientSampleId :

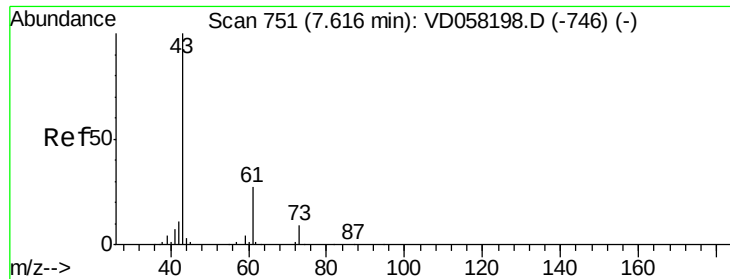
Tot Ion: 41 Resp: 175913
Ion Ratio Lower Upper
41 100
39 57.1 43.4 65.2
67 53.9 41.7 62.5
52 28.1 20.6 30.8



#42
1,2-Dichloroethane
Concen: 50.69 ug/l
RT: 6.15 min Scan# 602
Delta R.T. 0.02 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion: 62 Resp: 595106
Ion Ratio Lower Upper
62 100
98 7.2 0.0 13.2



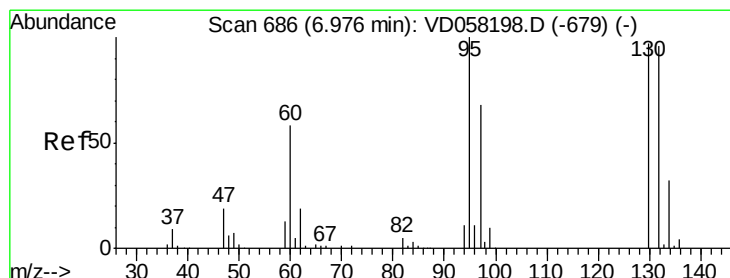
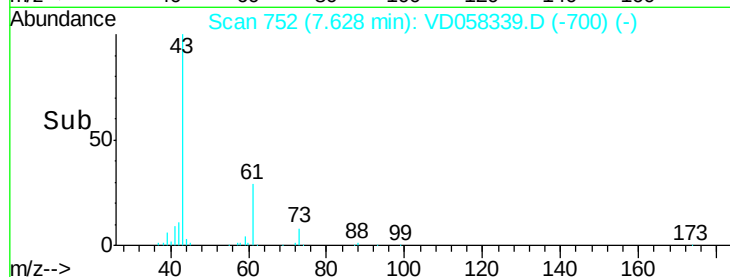
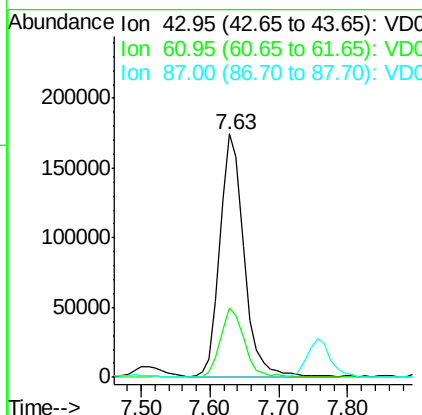
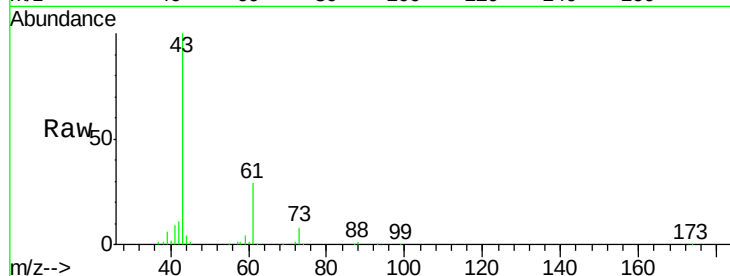


#43

Isopropyl Acetate
 Concen: 45.40 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Instrument :
 MSVOA_D
 ClientSampleId :

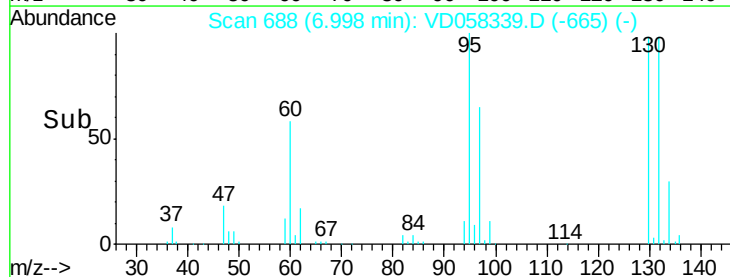
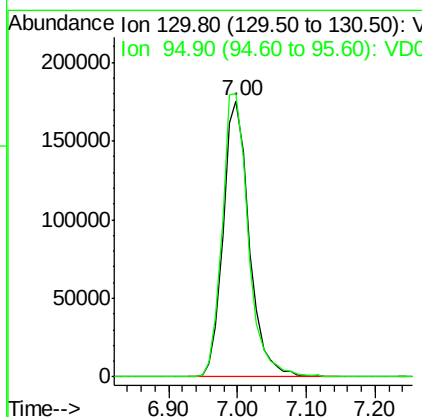
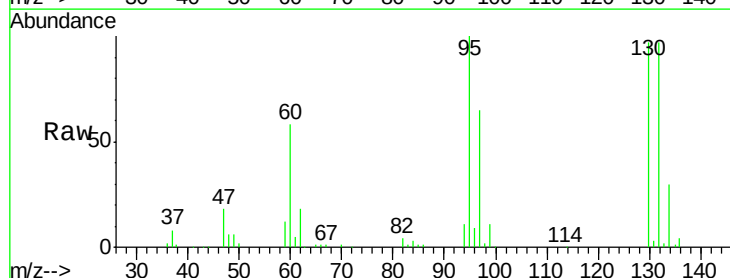
Tot Ion: 43 Resp: 421473
 Ion Ratio Lower Upper
 43 100
 61 28.6 21.8 32.6
 87 0.3 0.3 0.5#

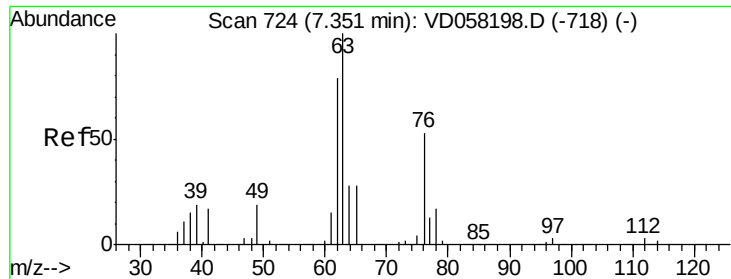


#44

Trichloroethene
 Concen: 52.68 ug/l
 RT: 7.00 min Scan# 688
 Delta R.T. 0.02 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion:130 Resp: 460536
 Ion Ratio Lower Upper
 130 100
 95 102.6 0.0 205.6

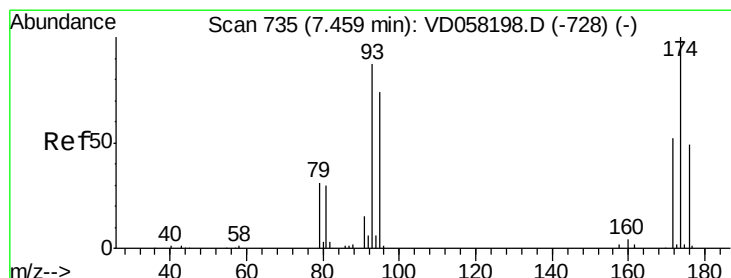
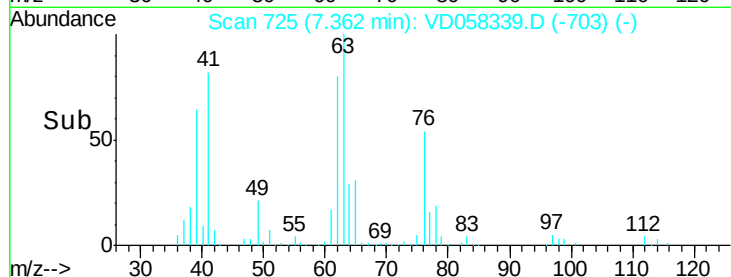
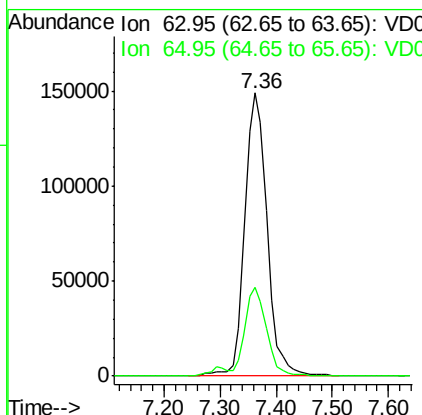
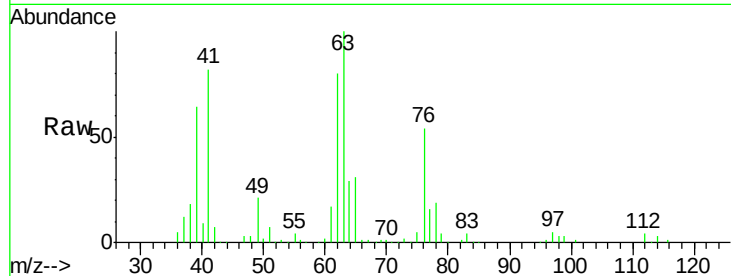




#45
 1,2-Dichloropropane
 Concen: 52.48 ug/l
 RT: 7.36 min Scan# 725
 Delta R.T. 0.01 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

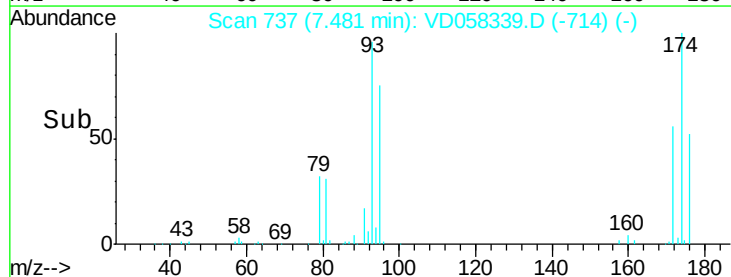
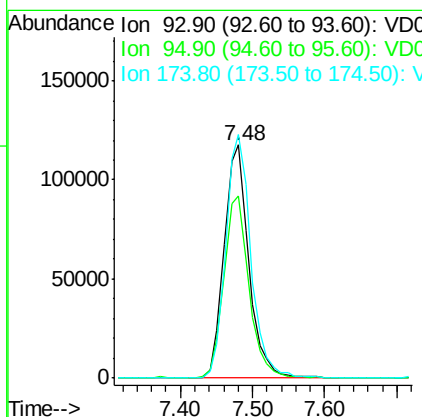
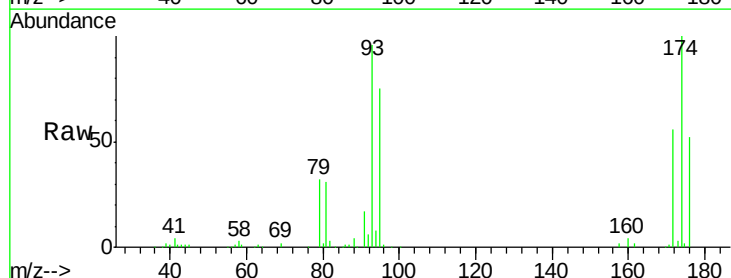
Instrument :
 MSVOA_D
 ClientSampleId :

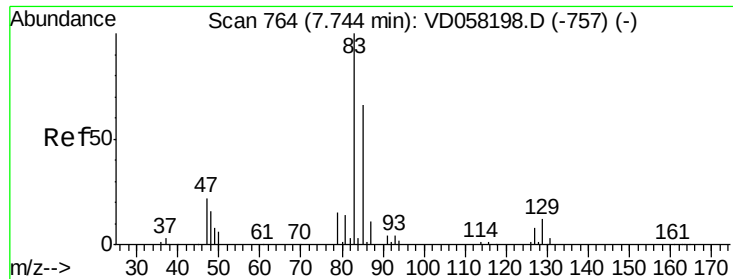
Tot Ion: 63 Resp: 411441
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.0 36.0



#46
 Dibromomethane
 Concen: 52.30 ug/l
 RT: 7.48 min Scan# 737
 Delta R.T. 0.02 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion: 93 Resp: 279936
 Ion Ratio Lower Upper
 93 100
 95 78.3 67.8 101.6
 174 104.4 92.2 138.2





#47

Bromodichloromethane

Concen: 52.97 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampleId :

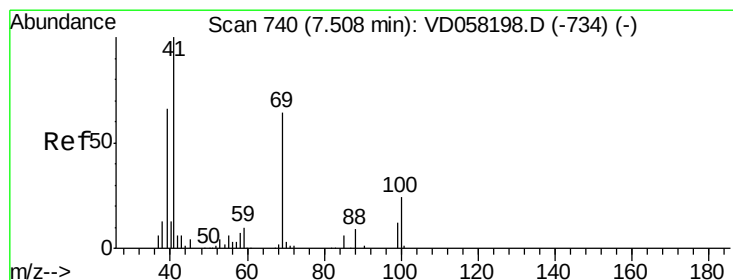
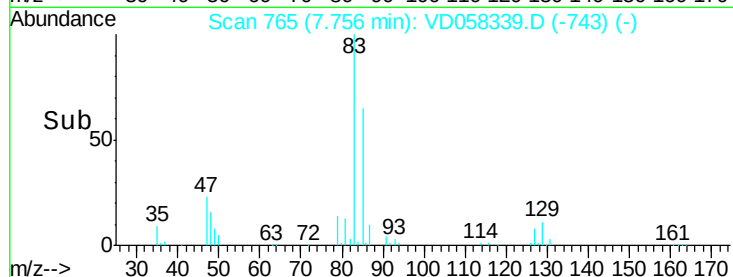
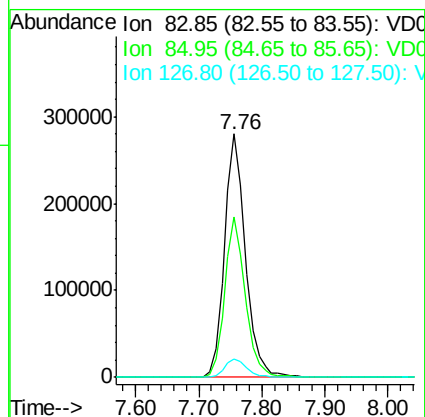
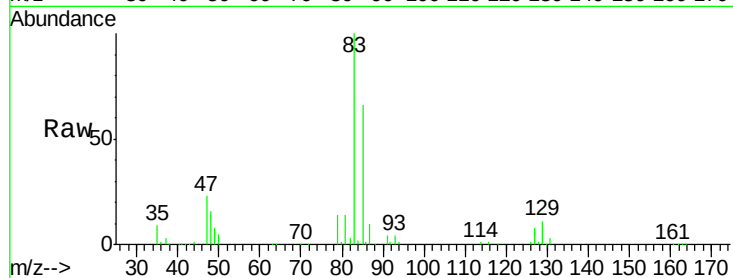
Tot Ion: 83 Resp: 646588

Ion Ratio Lower Upper

83 100

85 66.0 52.6 78.8

127 7.7 6.2 9.4



#48

Methyl methacrylate

Concen: 46.35 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

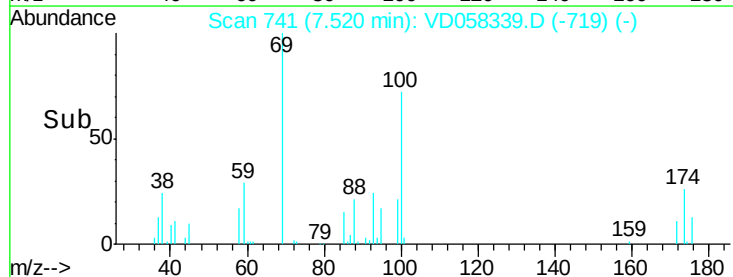
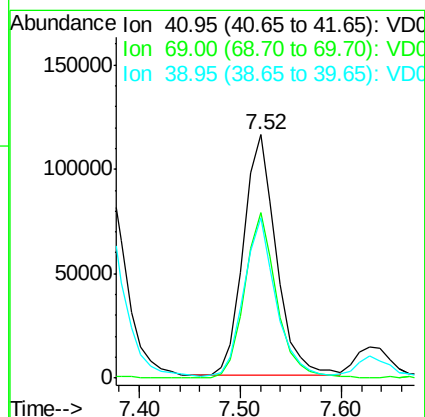
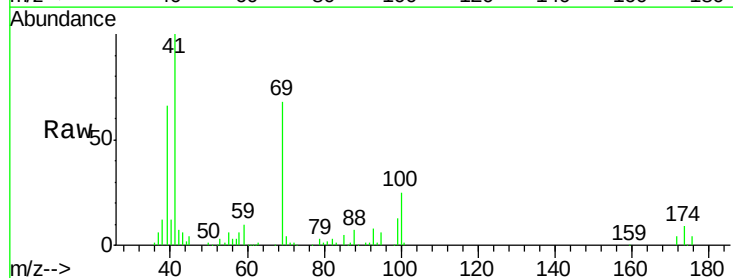
Tgt Ion: 41 Resp: 261511

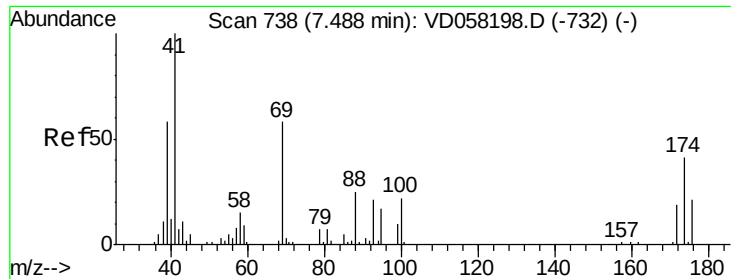
Ion Ratio Lower Upper

41 100

69 68.2 50.7 76.1

39 65.8 52.6 78.8

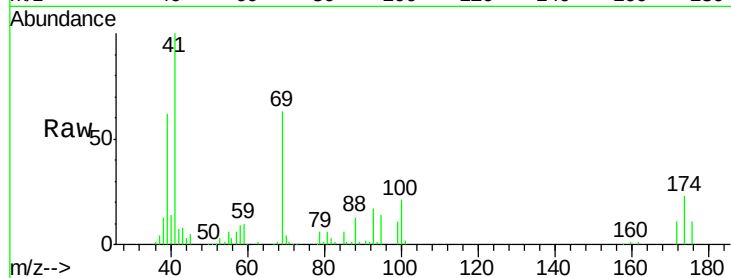




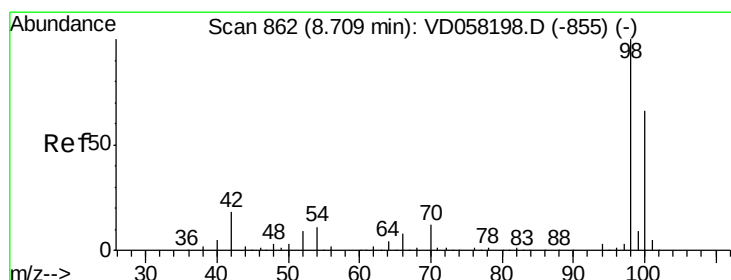
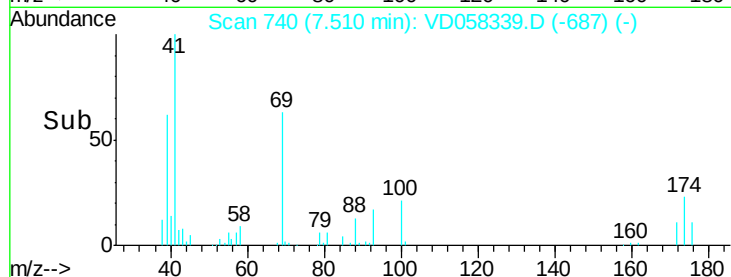
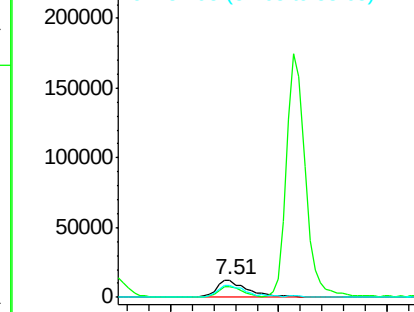
#49
1,4-Dioxane
Concen: 996.22 ug/l
RT: 7.51 min Scan# 740
Delta R.T. 0.02 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 50740
Ion Ratio Lower Upper
88 100
43 60.0 34.2 51.2#
58 70.1 47.9 71.9

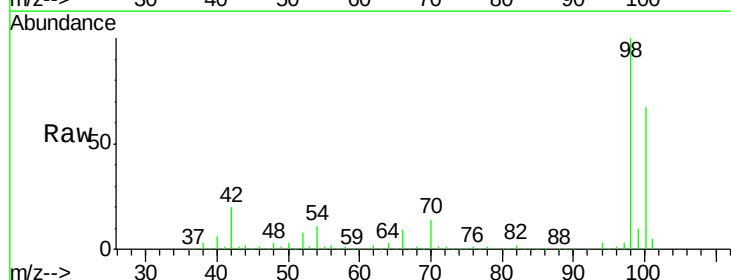


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

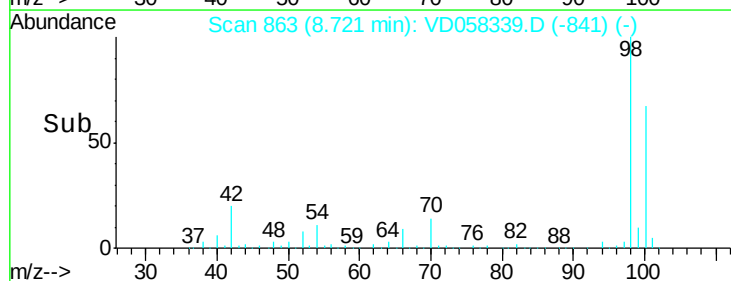
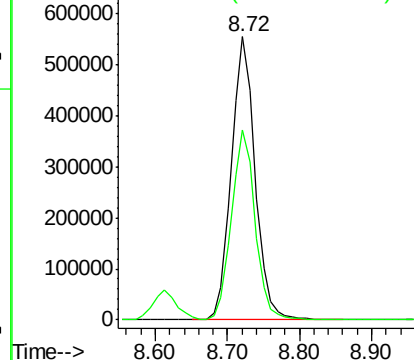


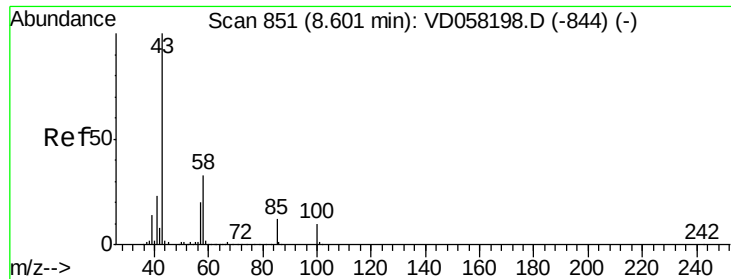
#50
Toluene-d8
Concen: 996.22 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion: 98 Resp: 1267998
Ion Ratio Lower Upper
98 100
100 67.1 53.6 80.4



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





#51

4-Methyl-2-Pentanone

Concen: 238.39 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

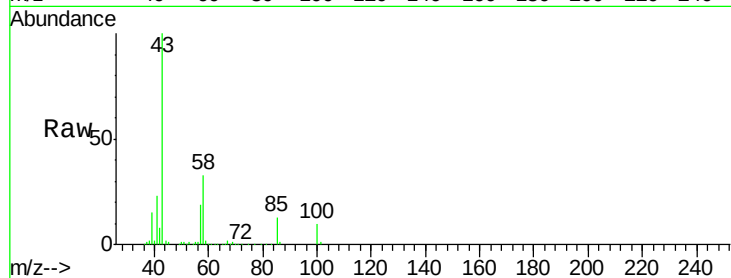
ClientSampleId :

Tot Ion: 43 Resp: 1443566

Ion Ratio Lower Upper

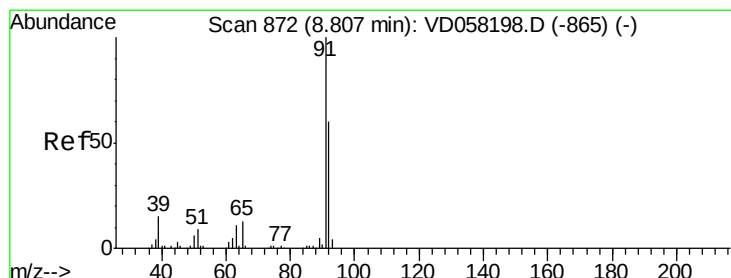
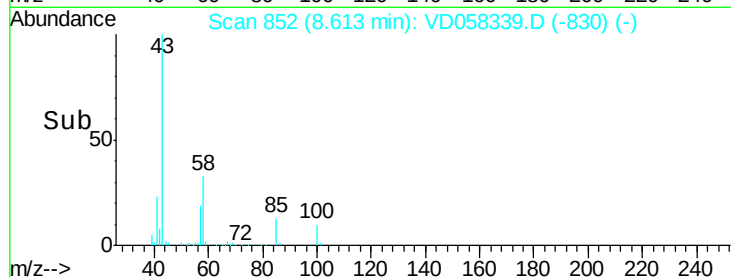
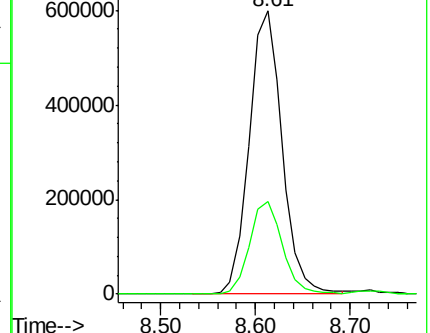
43 100

58 32.5 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.42 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058339.D

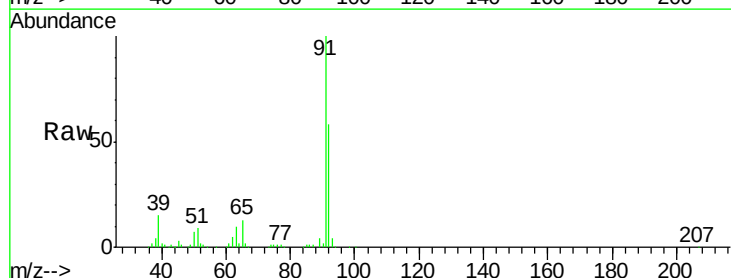
Acq: 23 Jun 2018 14:03

Tgt Ion: 92 Resp: 835774

Ion Ratio Lower Upper

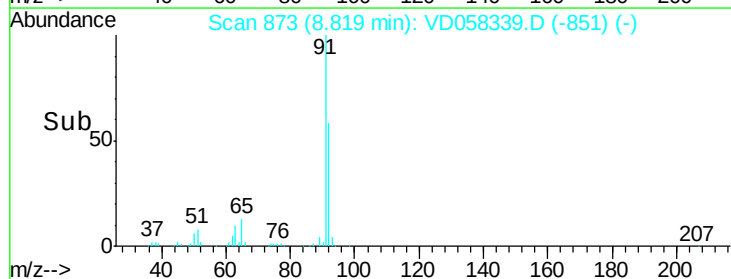
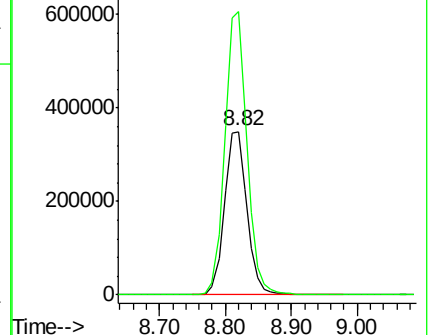
92 100

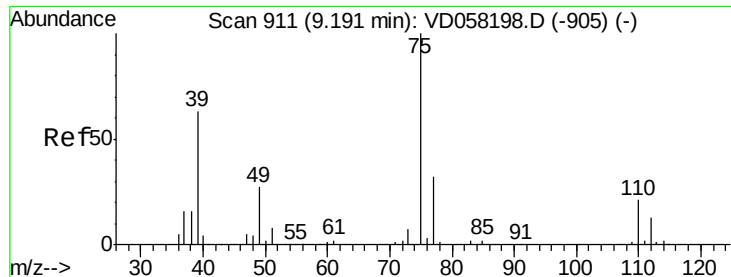
91 173.0 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

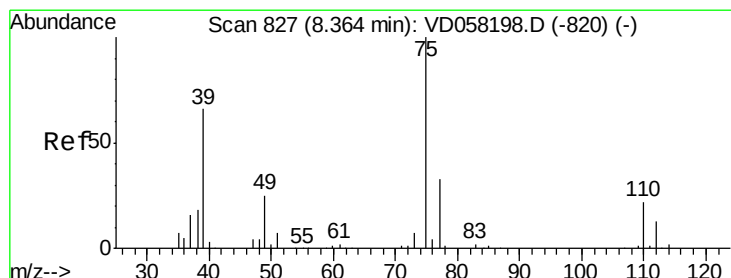
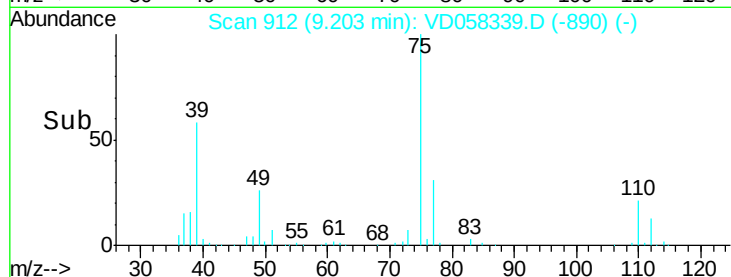
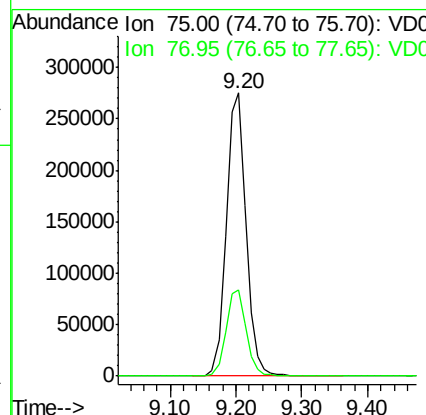
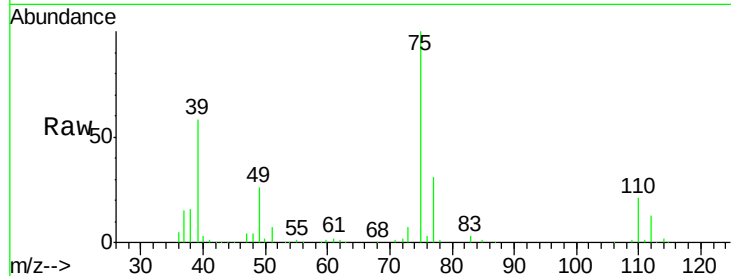




#53
 t-1,3-Dichloropropene
 Concen: 54.29 ug/l
 RT: 9.20 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

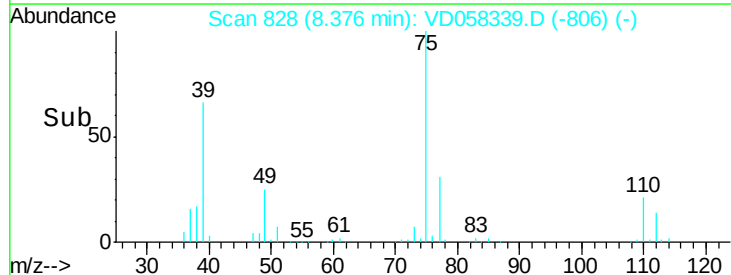
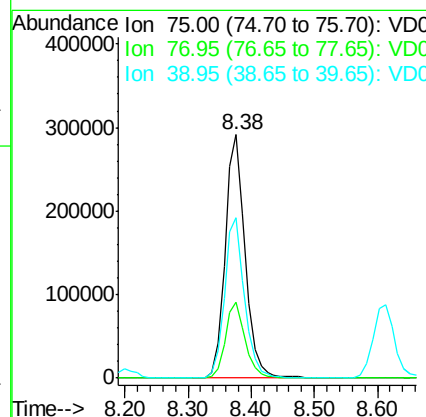
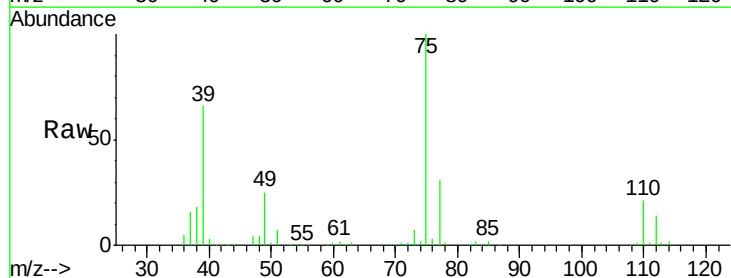
Instrument :
 MSVOA_D
 ClientSampleId :

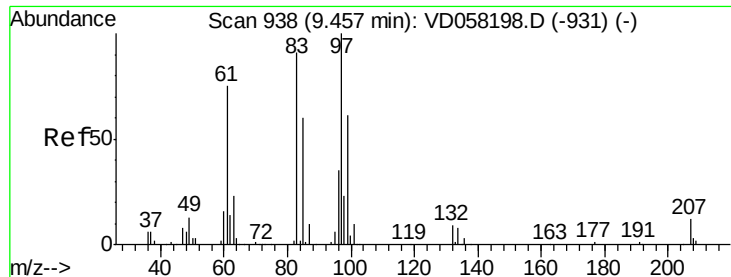
Tot Ion: 75 Resp: 576066
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 51.44 ug/l
 RT: 8.38 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion: 75 Resp: 639927
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.5 39.7
 39 65.8 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 50.18 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 294321

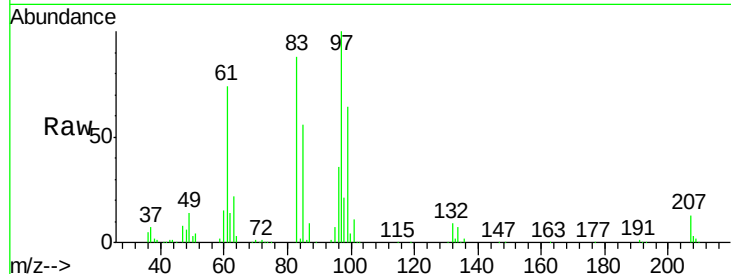
Ion Ratio Lower Upper

97 100

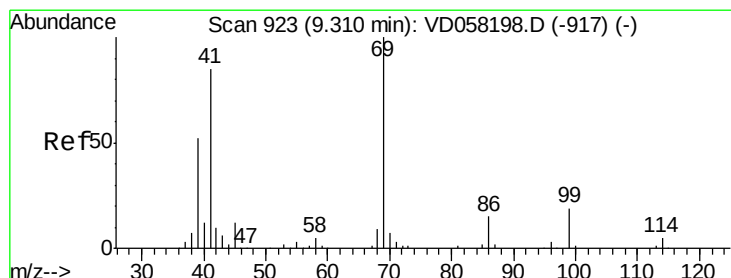
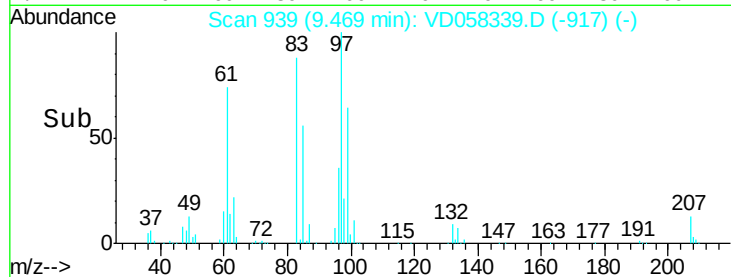
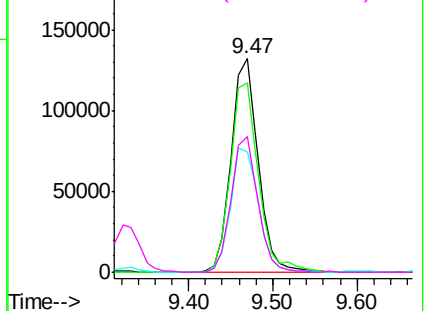
83 88.4 72.9 109.3

85 56.3 48.2 72.4

99 63.7 48.9 73.3



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: 50.13 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

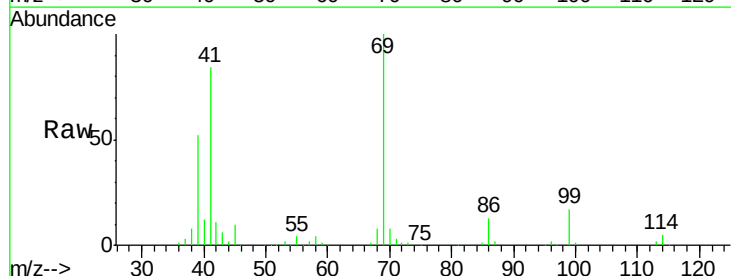
Tgt Ion: 69 Resp: 351596

Ion Ratio Lower Upper

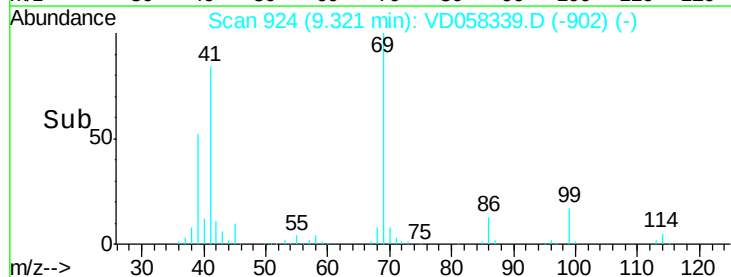
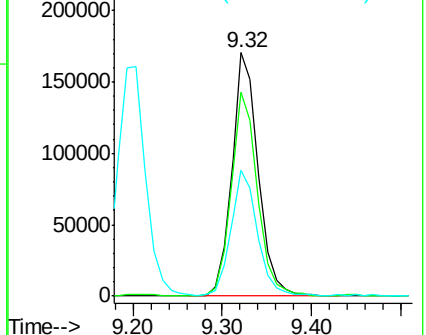
69 100

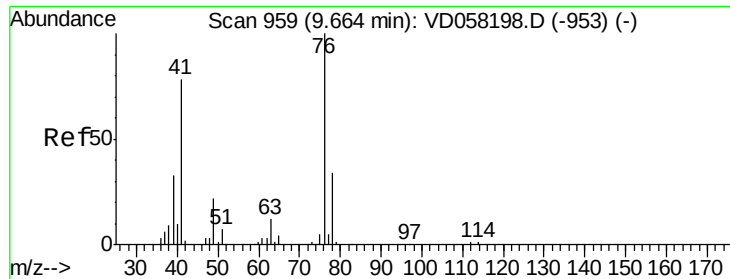
41 83.9 67.6 101.4

39 51.6 42.2 63.2



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: 52.26 ug/l

RT: 9.68 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

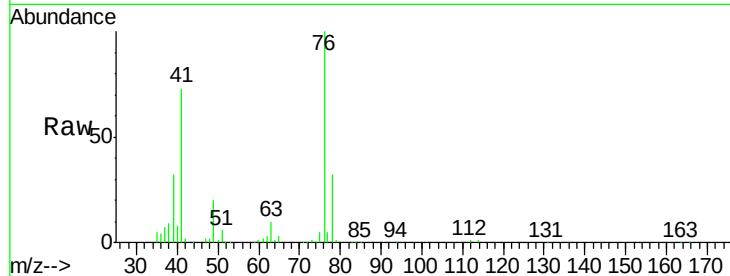
ClientSampled :

Tot Ion: 76 Resp: 516341

Ion Ratio Lower Upper

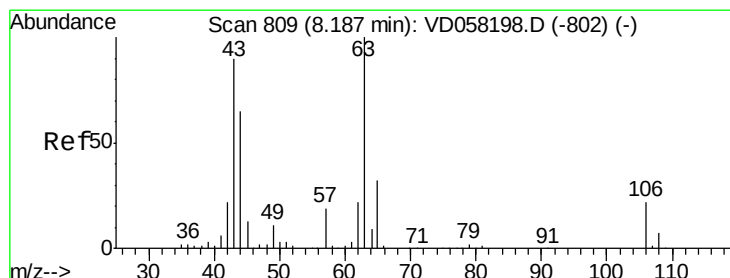
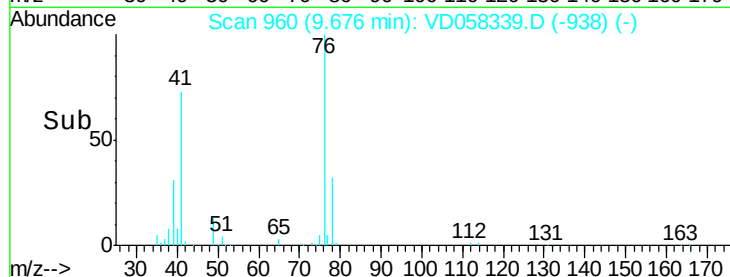
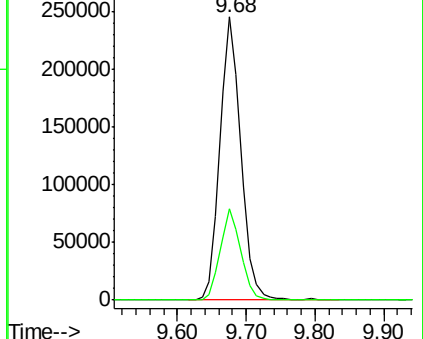
76 100

78 32.3 27.0 40.6



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: 246.20 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058339.D

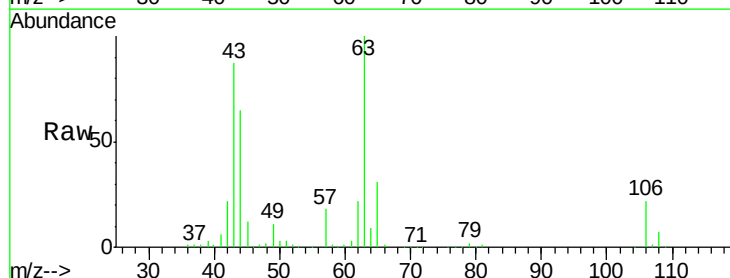
Acq: 23 Jun 2018 14:03

Tgt Ion: 63 Resp: 854933

Ion Ratio Lower Upper

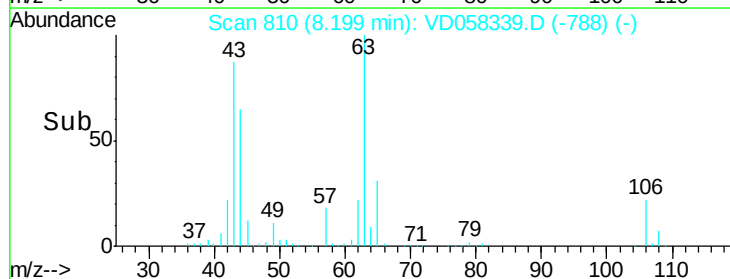
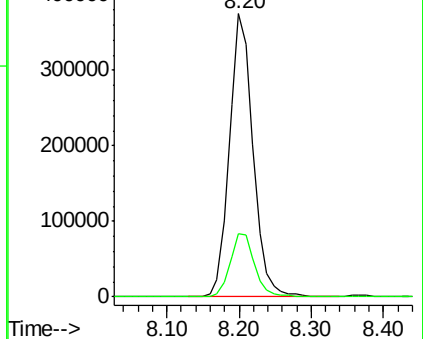
63 100

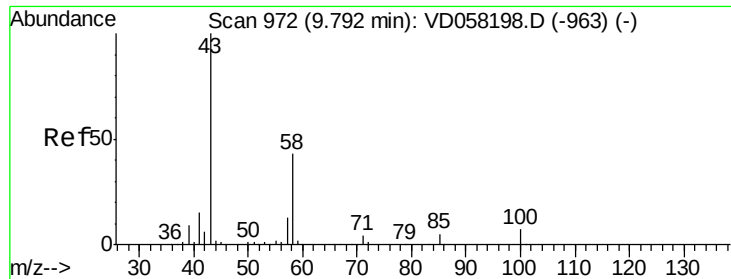
106 22.5 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

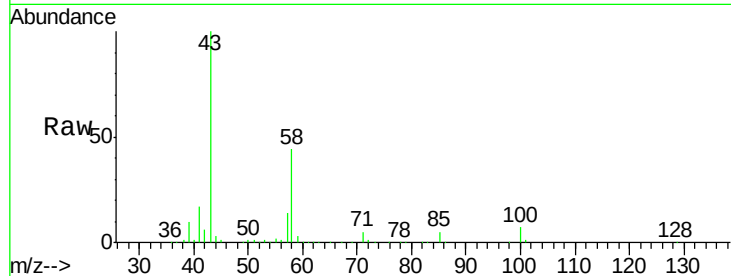




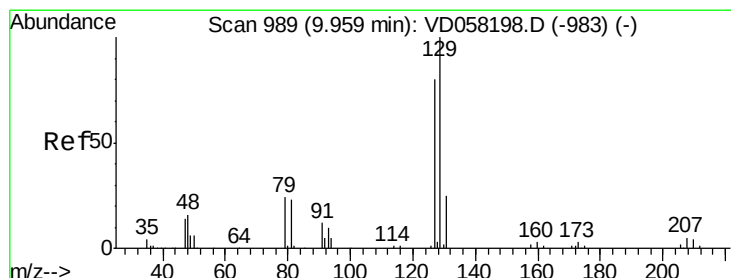
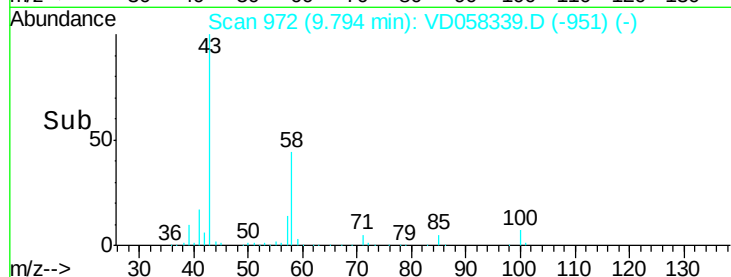
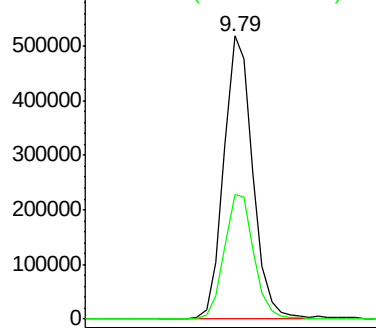
#59
2-Hexanone
Concen: 251.42 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1100125
Ion Ratio Lower Upper
43 100
58 44.0 21.7 65.1

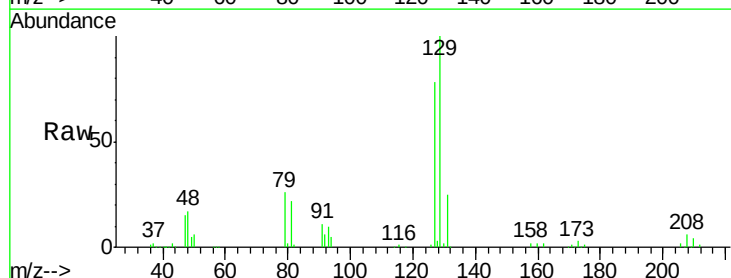


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

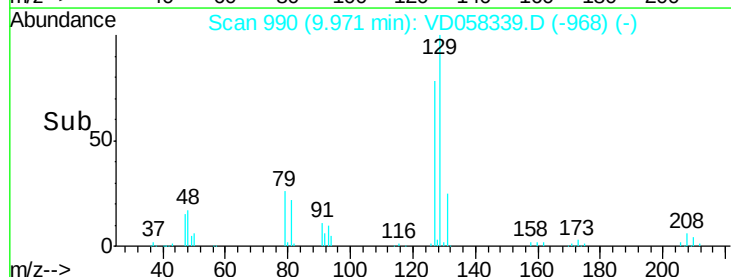
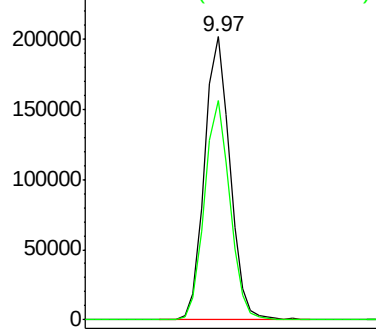


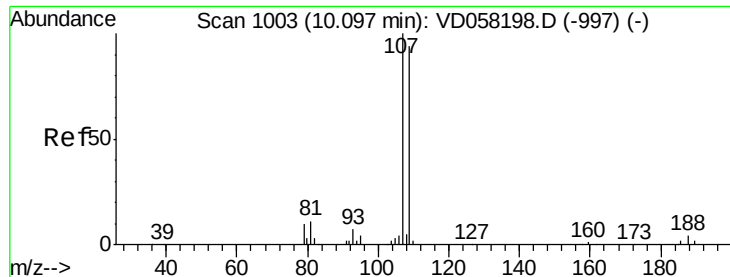
#60
Dibromochloromethane
Concen: 53.62 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion:129 Resp: 426771
Ion Ratio Lower Upper
129 100
127 77.6 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 51.15 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

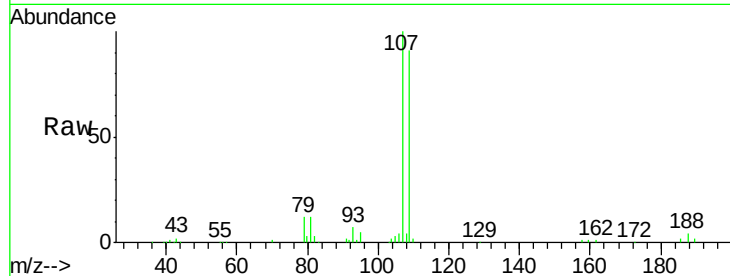
ClientSampleId :

Tot Ion: 107 Resp: 328321

Ion Ratio Lower Upper

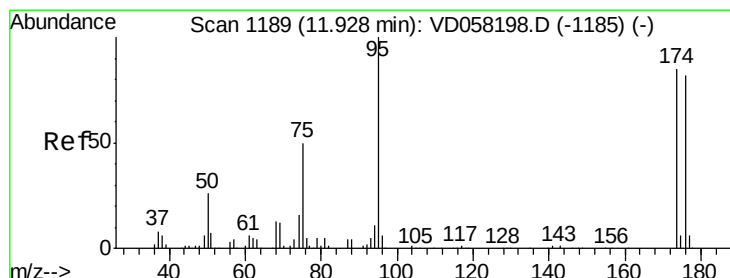
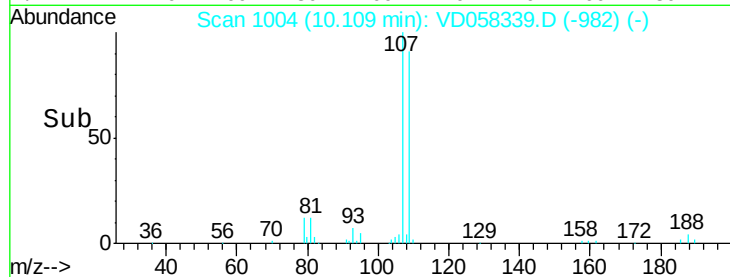
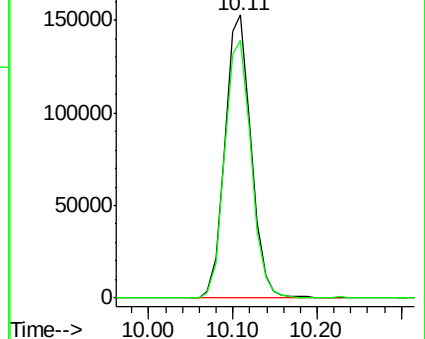
107 100

109 91.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.15 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

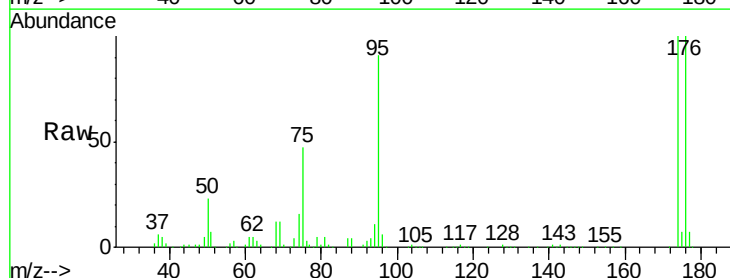
Tgt Ion: 95 Resp: 519011

Ion Ratio Lower Upper

95 100

174 110.3 0.0 170.2

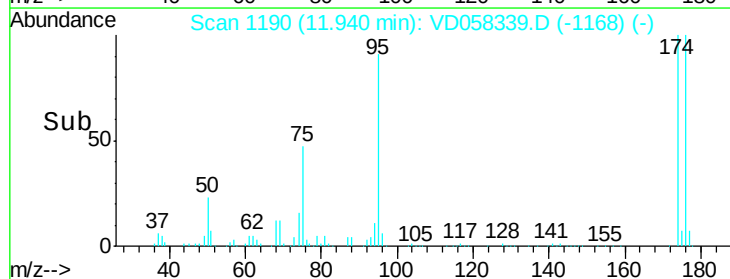
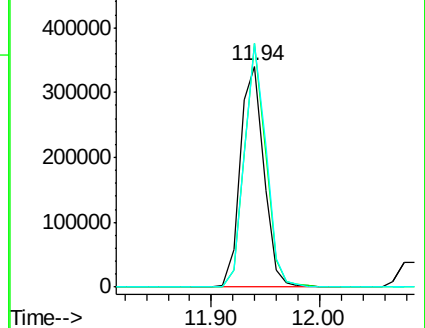
176 110.2 0.0 164.6

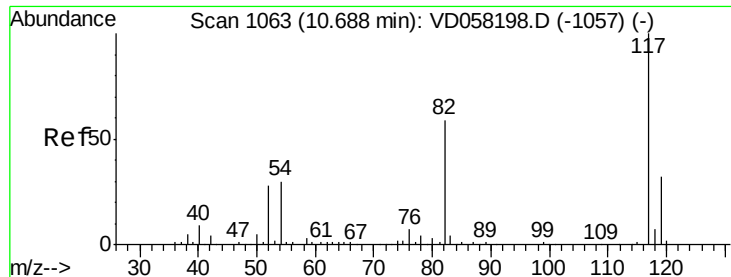


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampleId :

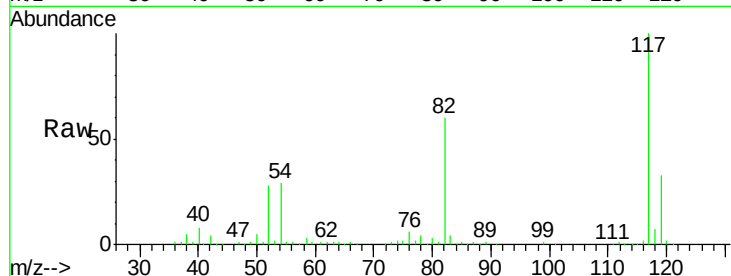
Tot Ion:117 Resp: 1002693

Ion Ratio Lower Upper

117 100

82 59.7 47.0 70.6

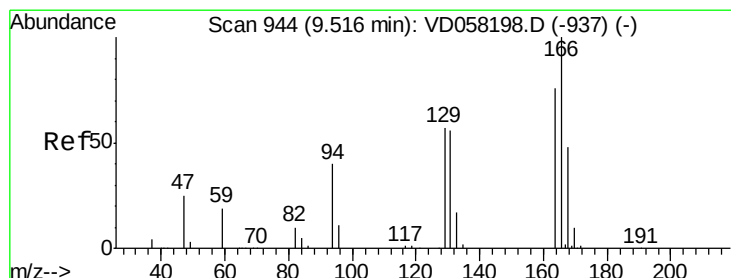
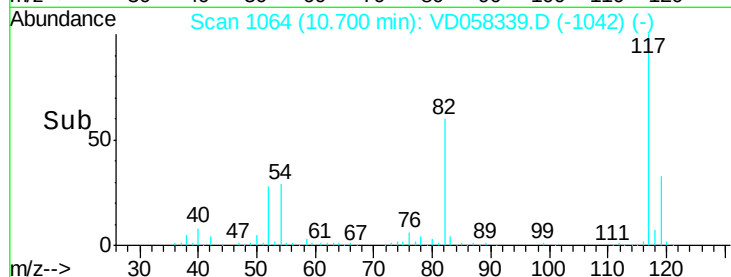
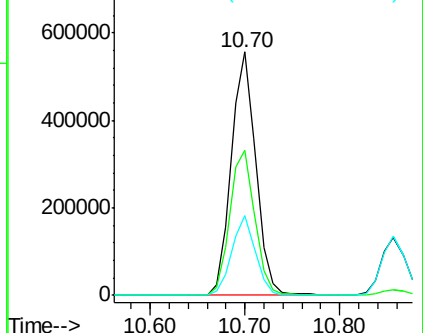
119 32.6 25.3 37.9



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: 49.51 ug/l

RT: 9.53 min Scan# 945

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Tgt Ion:164 Resp: 417689

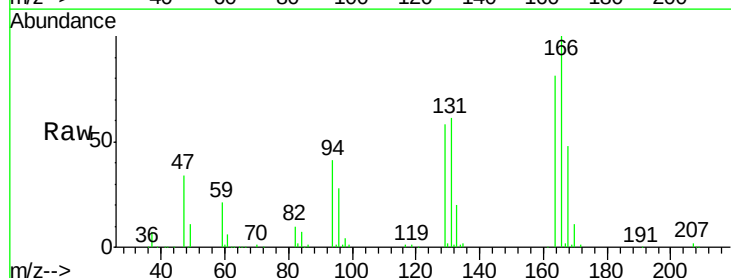
Ion Ratio Lower Upper

164 100

166 124.0 105.4 158.0

129 72.5 59.6 89.4

131 75.6 59.4 89.2

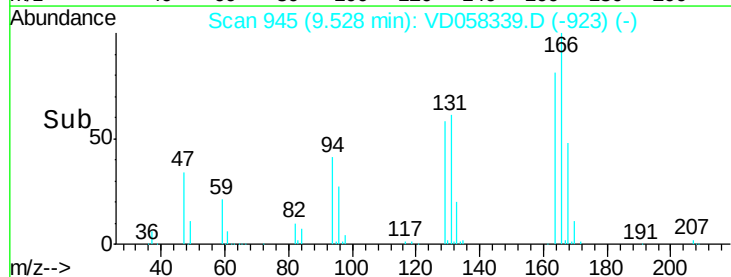
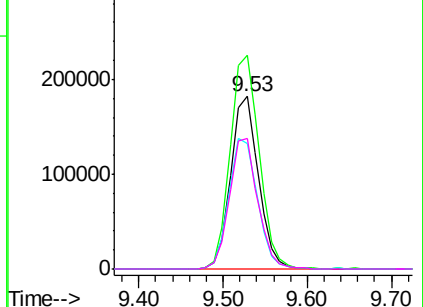


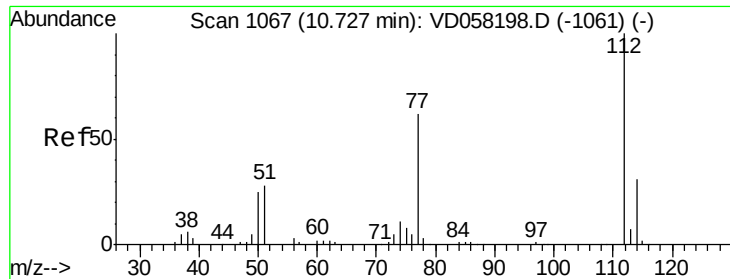
Abundance Ion 163.85 (163.55 to 164.55): V

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

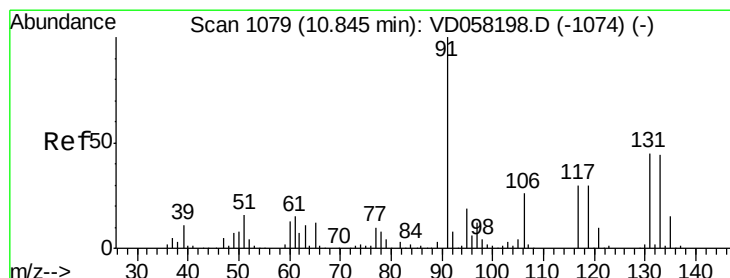
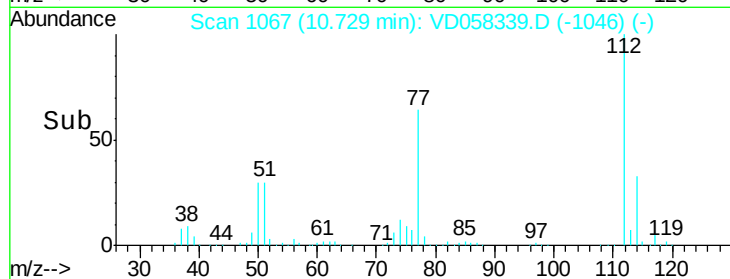
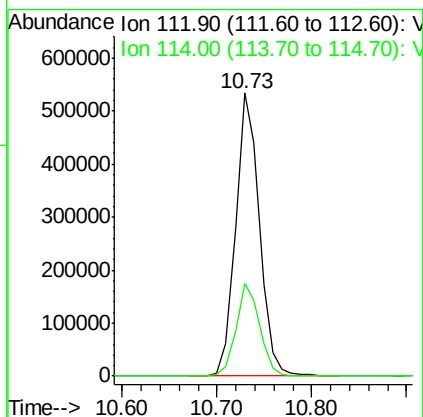
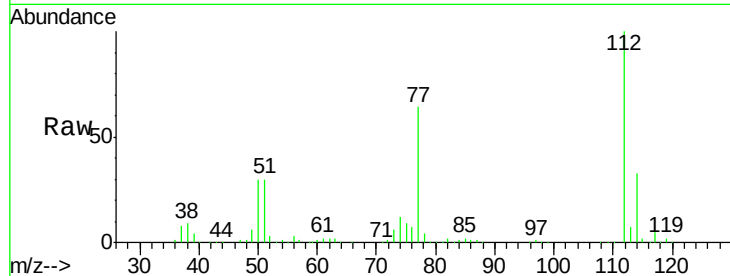




#65
Chlorobenzene
Concen: 49.38 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

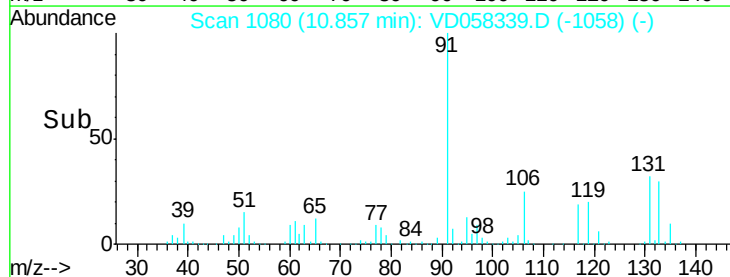
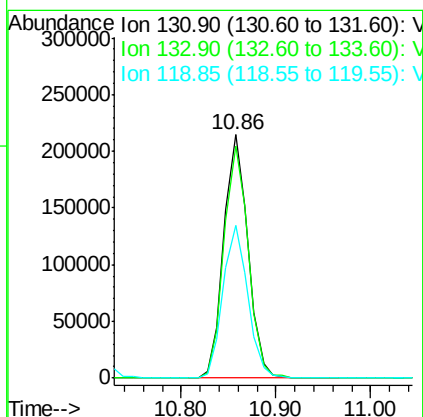
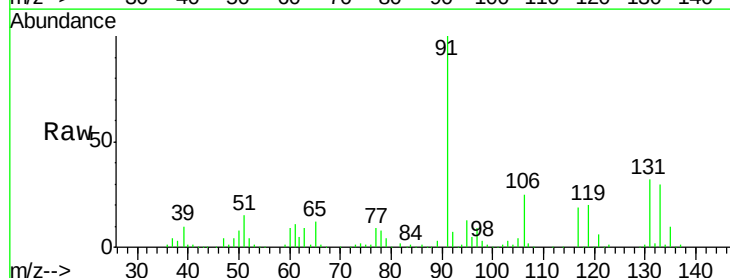
Instrument :
MSVOA_D
ClientSampleId :

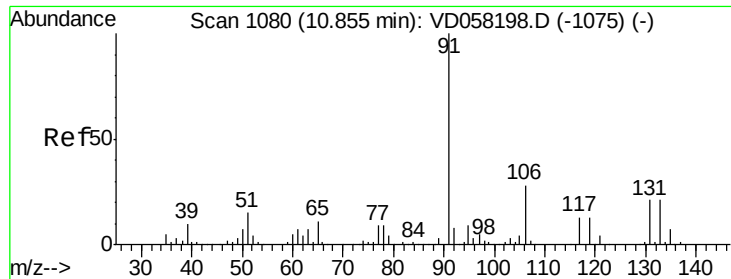
Tot Ion:112 Resp: 926228
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.58 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion:131 Resp: 380611
Ion Ratio Lower Upper
131 100
133 95.3 48.6 145.9
119 62.9 33.0 99.0

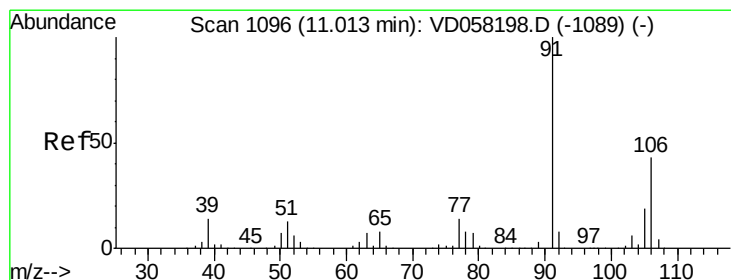
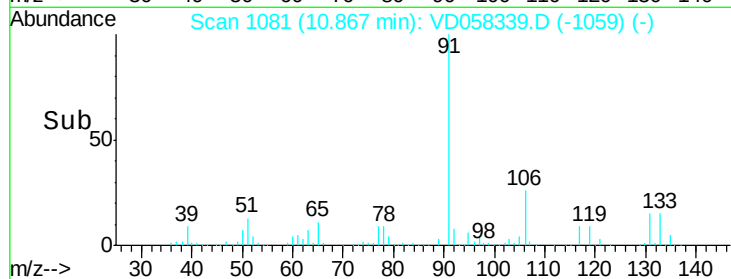
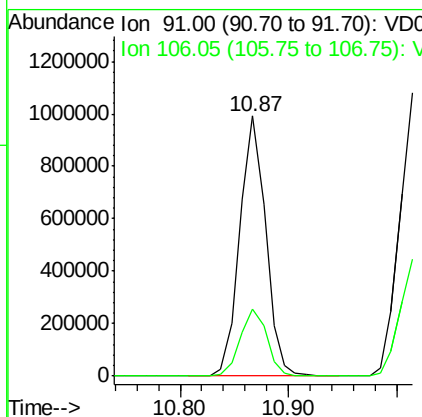
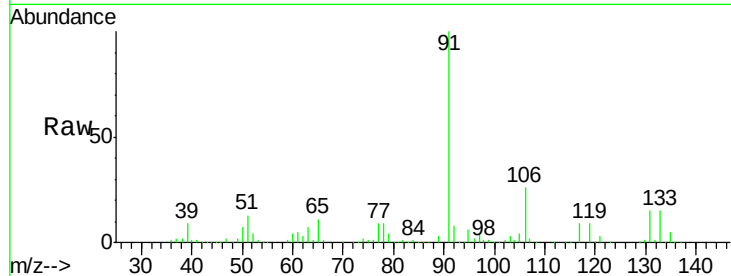




#67
Ethyl Benzene
Concen: 50.17 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

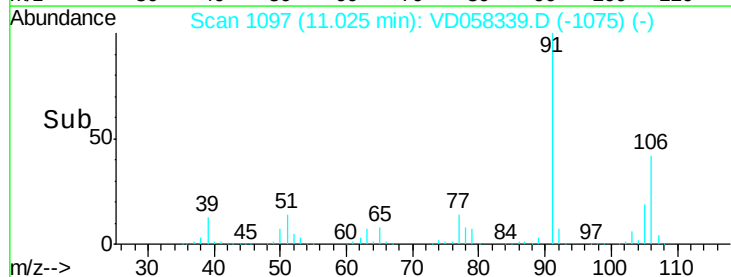
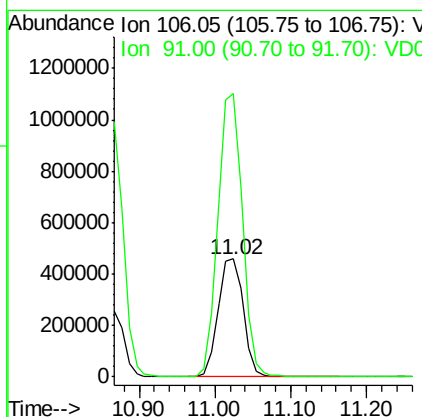
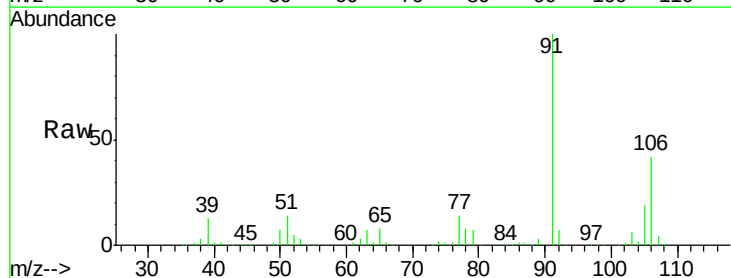
Instrument :
MSVOA_D
ClientSampled :

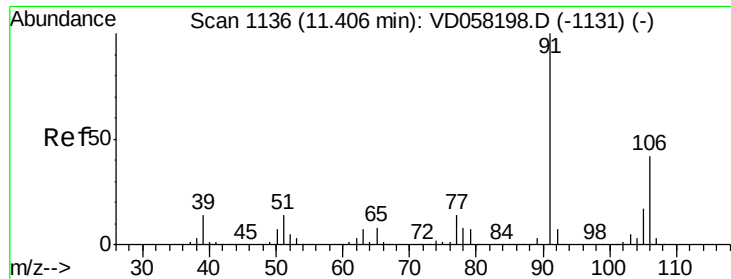
Tot Ion: 91 Resp: 1661368
Ion Ratio Lower Upper
91 100
106 26.0 22.0 33.0



#68
m/p-Xylenes
Concen: 96.19 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion: 106 Resp: 1062127
Ion Ratio Lower Upper
106 100
91 240.3 185.0 277.6

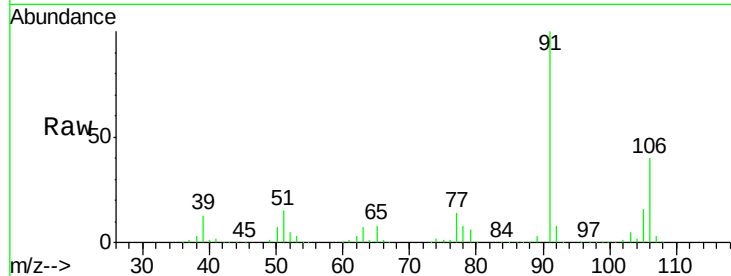




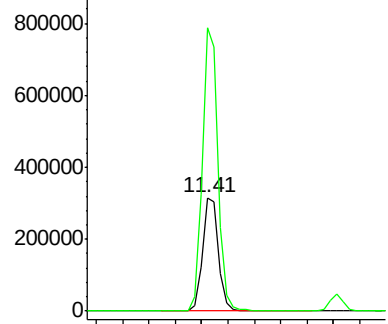
#69
o-Xylene
Concen: 50.71 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Instrument :
MSVOA_D
ClientSampled :

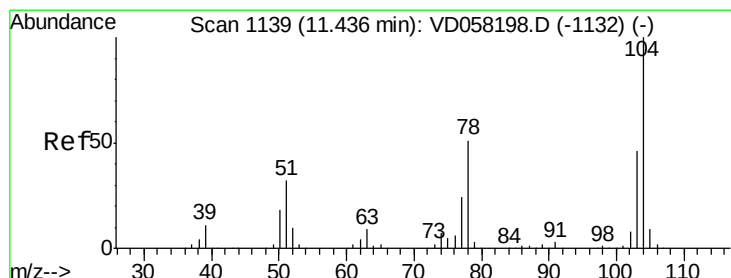
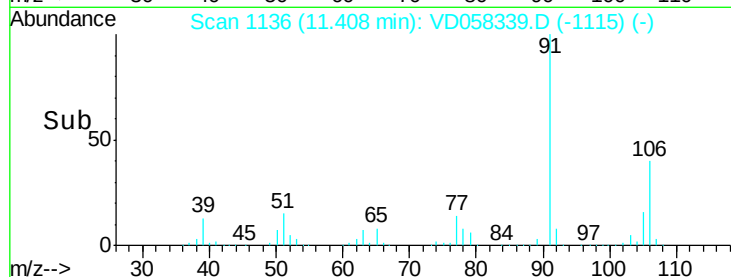
Tot Ion:106 Resp: 534855
Ion Ratio Lower Upper
106 100
91 249.1 120.2 360.6



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

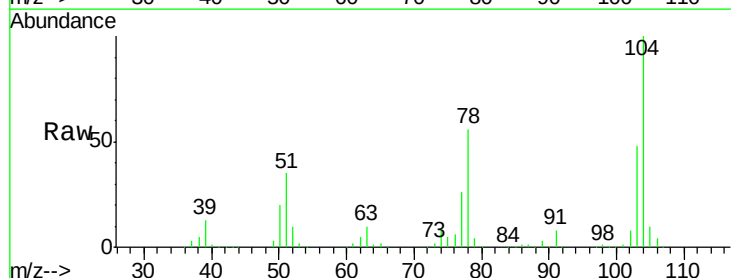


Time-->

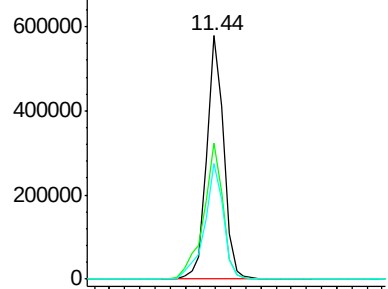


#70
Styrene
Concen: 48.98 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

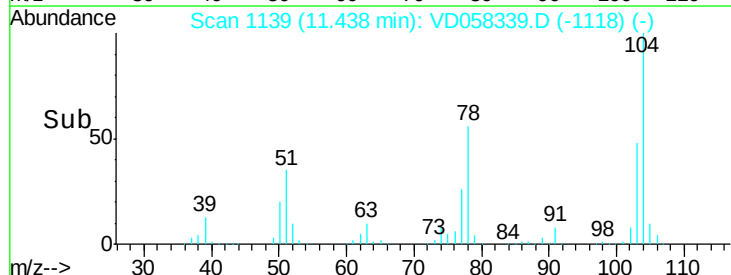
Tgt Ion:104 Resp: 881539
Ion Ratio Lower Upper
104 100
78 56.1 40.8 61.2
103 47.5 37.0 55.6

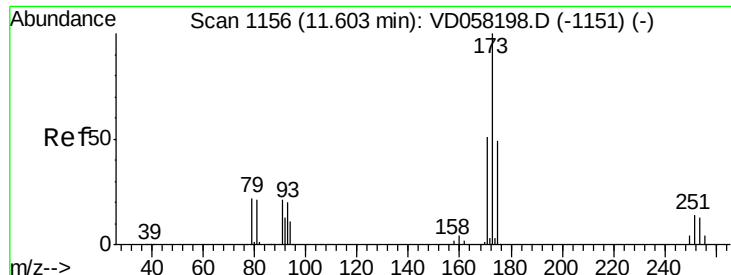


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->

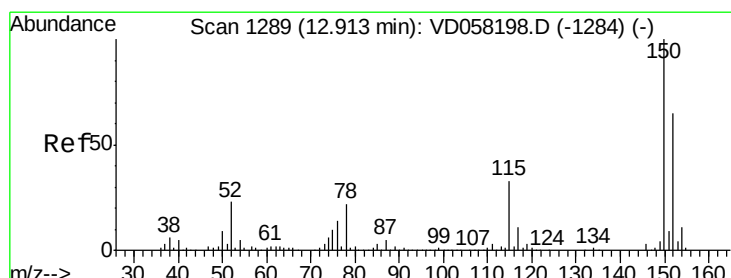
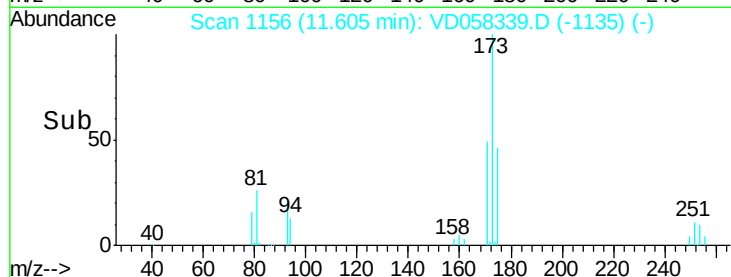
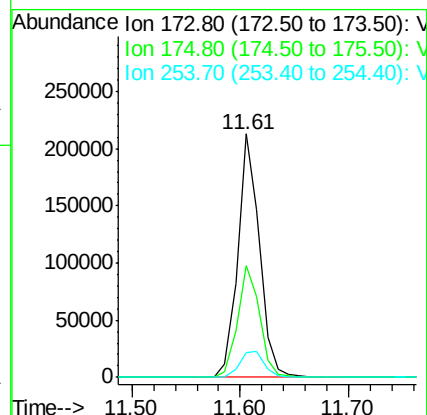
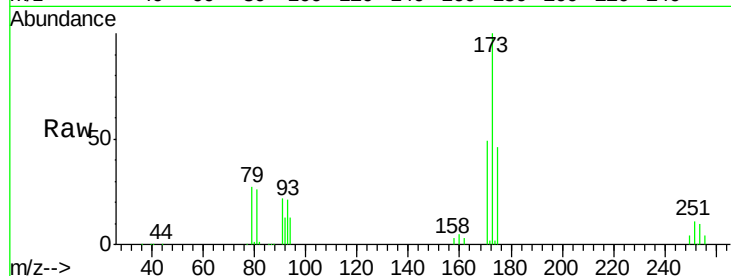




#71
Bromoform
Concen: 51.26 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

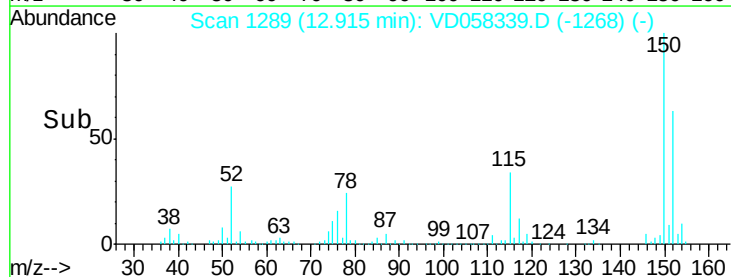
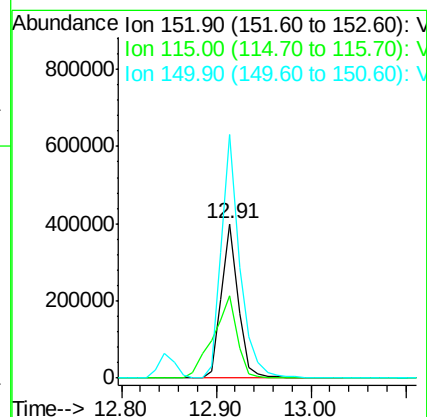
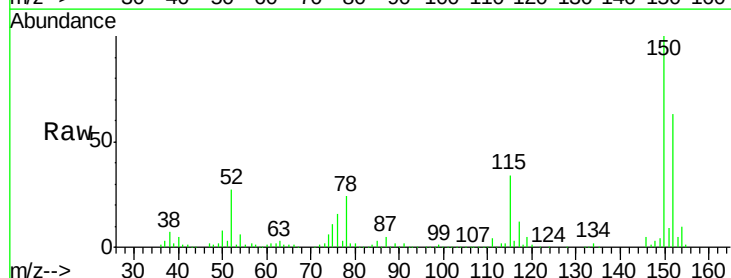
Instrument :
MSVOA_D
ClientSampled :

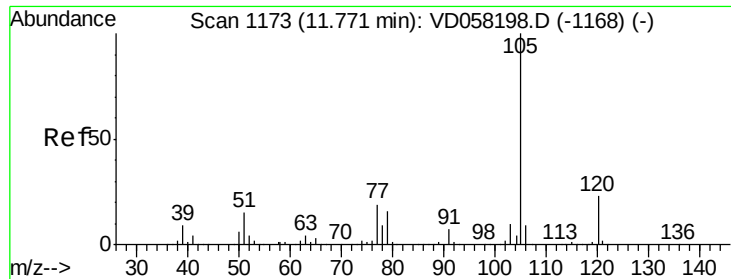
Tot Ion:173 Resp: 295982
Ion Ratio Lower Upper
173 100
175 45.8 24.6 74.0
254 10.0 10.3 15.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion:152 Resp: 497996
Ion Ratio Lower Upper
152 100
115 53.2 25.1 75.3
150 157.9 0.0 308.8





#73

Isopropylbenzene

Concen: 49.24 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

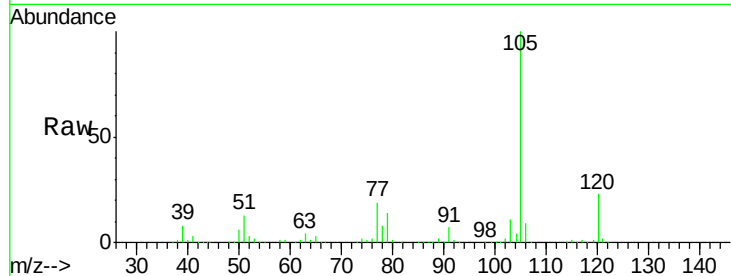
ClientSampled :

Tot Ion:105 Resp: 1466602

Ion Ratio Lower Upper

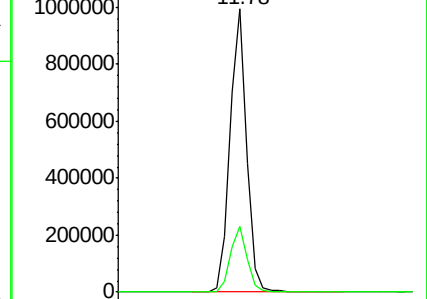
105 100

120 23.2 11.6 34.8

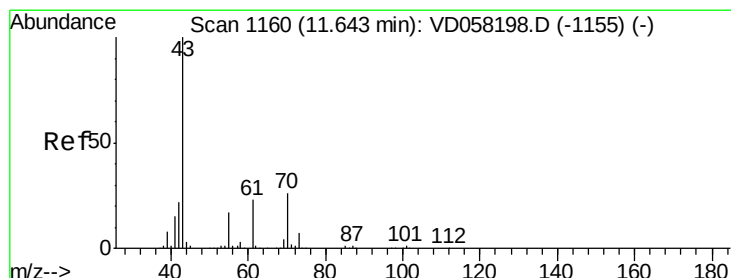
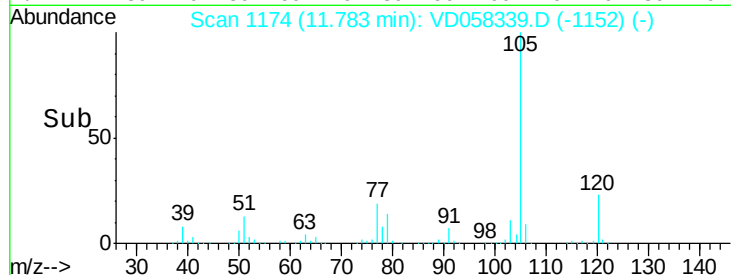


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 50.32 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Tgt Ion: 43 Resp: 579528

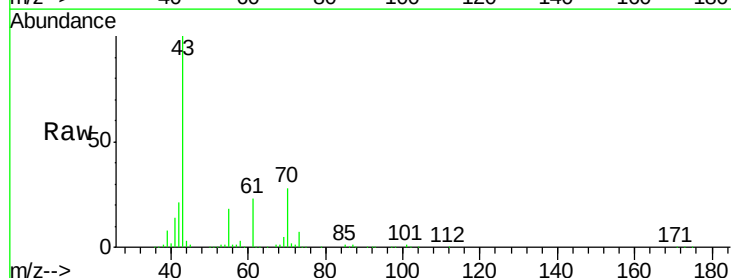
Ion Ratio Lower Upper

43 100

70 28.1 20.9 31.3

55 17.6 13.5 20.3

61 23.1 18.2 27.2

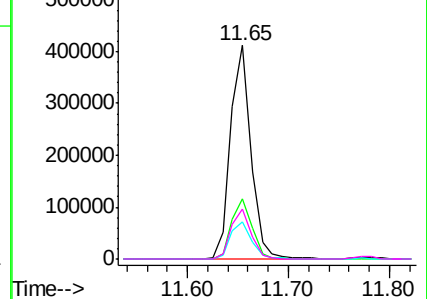


Abundance Ion 42.95 (42.65 to 43.65): V

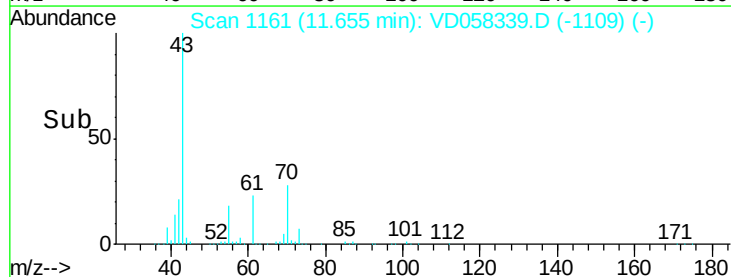
Ion 70.00 (69.70 to 70.70): V

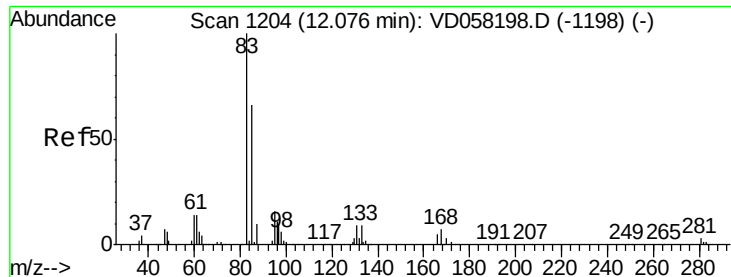
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.12 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampleId :

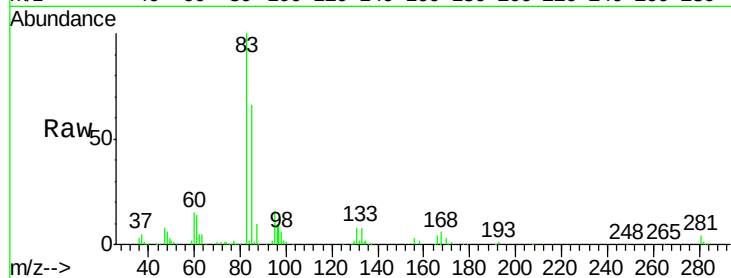
Tot Ion: 83 Resp: 368216

Ion	Ratio	Lower	Upper
83	100		
131	7.6	4.8	14.3
85	65.7	33.1	99.5

83 100

131 7.6 4.8 14.3

85 65.7 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.08

250000

200000

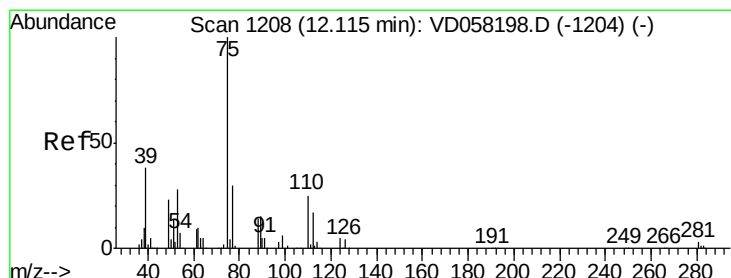
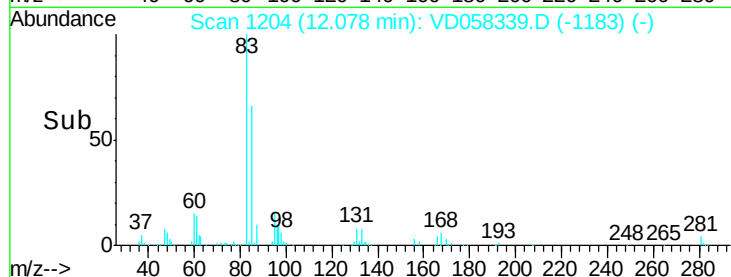
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 52.09 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058339.D

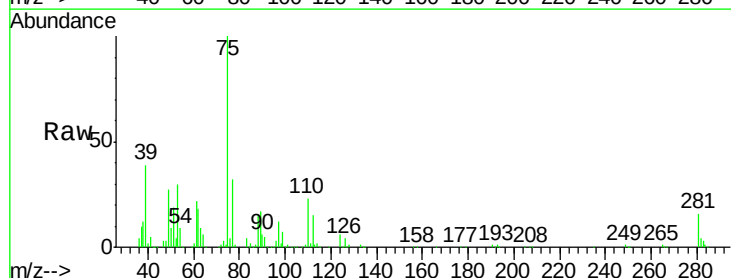
Acq: 23 Jun 2018 14:03

Tgt Ion: 75 Resp: 378733

Ion	Ratio	Lower	Upper
75	100		
77	31.8	16.0	47.9

75 100

77 31.8 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

500000

400000

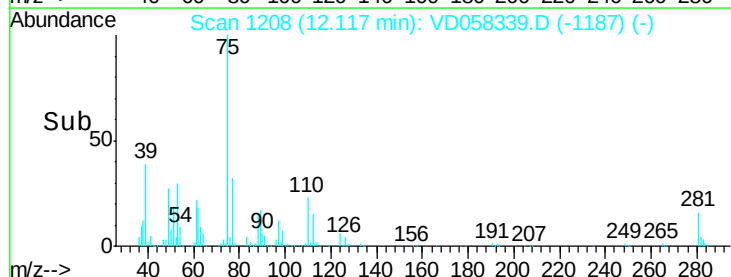
300000

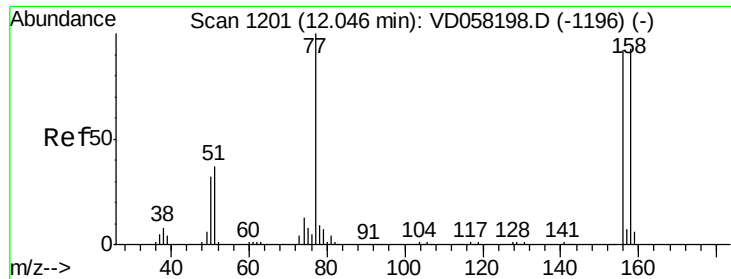
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 54.01 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampled :

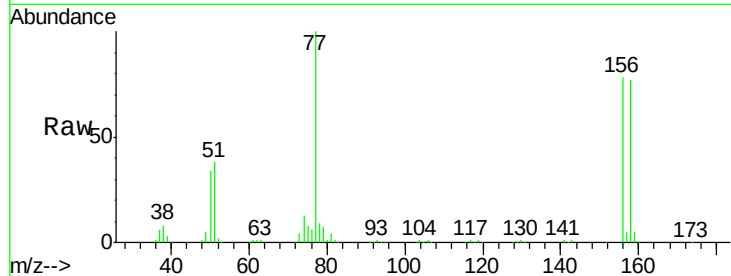
Tot Ion:156 Resp: 481764

Ion Ratio Lower Upper

156 100

77 128.5 54.5 163.6

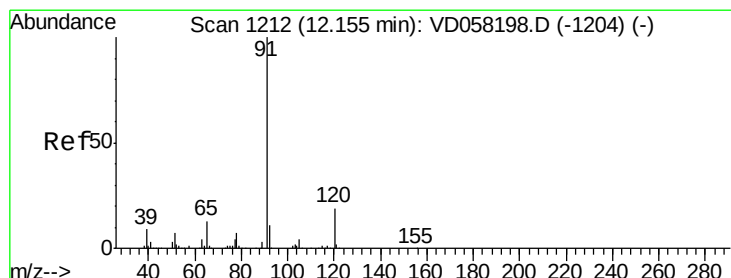
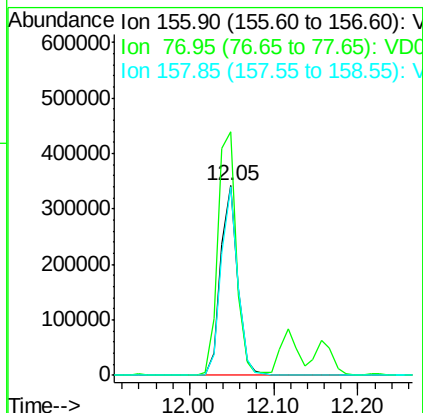
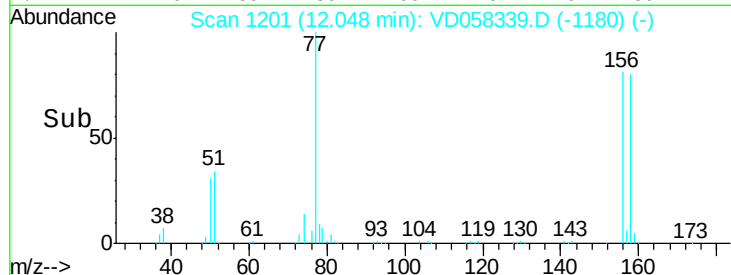
158 99.4 50.8 152.5



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: 51.89 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058339.D

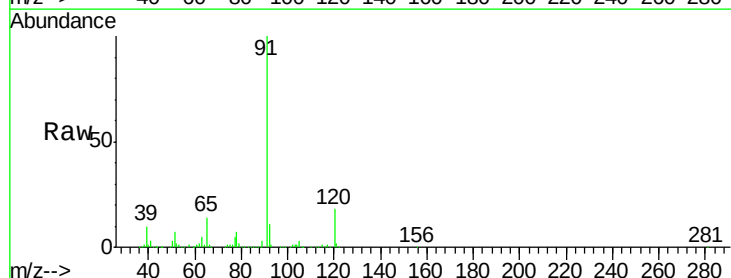
Acq: 23 Jun 2018 14:03

Tgt Ion: 91 Resp: 1996034

Ion Ratio Lower Upper

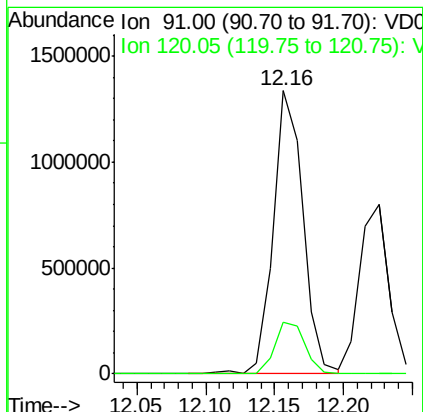
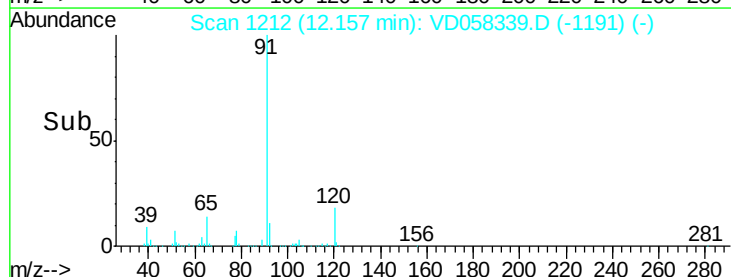
91 100

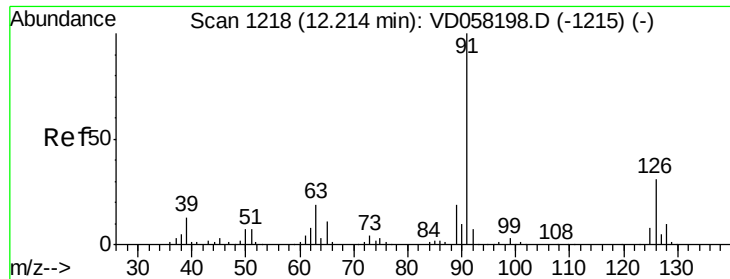
120 18.1 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.64 ug/l

RT: 12.23 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

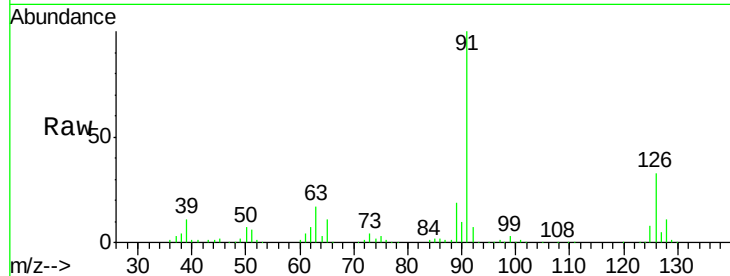
ClientSampleId :

Tot Ion: 91 Resp: 1180714

Ion Ratio Lower Upper

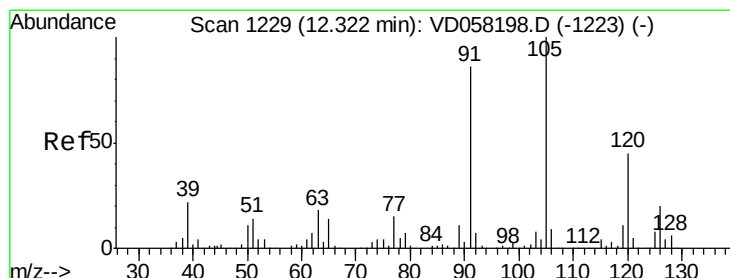
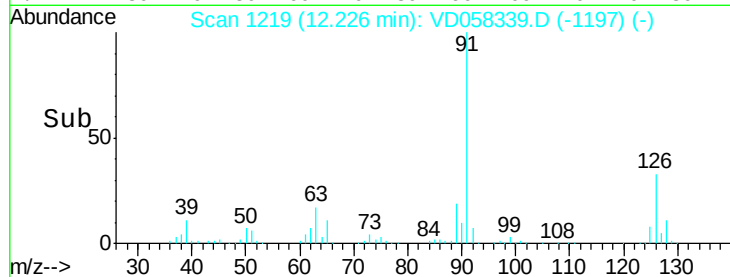
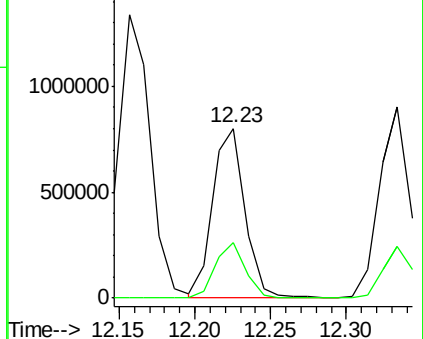
91 100

126 32.6 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 49.89 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058339.D

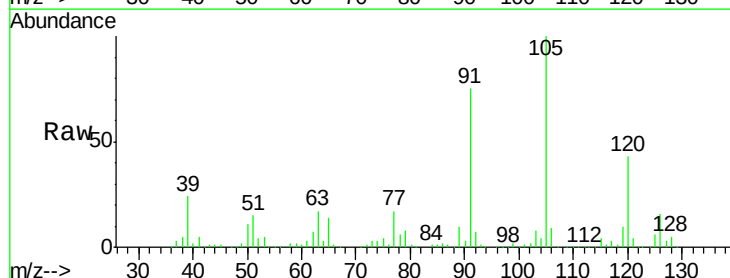
Acq: 23 Jun 2018 14:03

Tgt Ion:105 Resp: 1159013

Ion Ratio Lower Upper

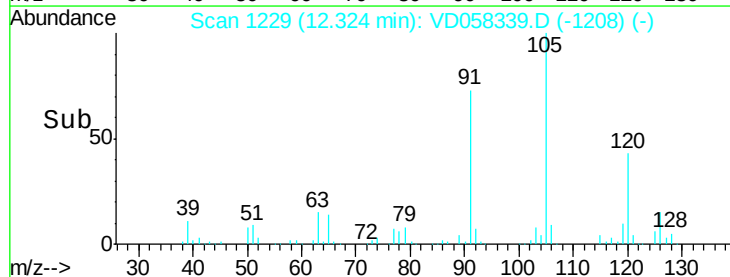
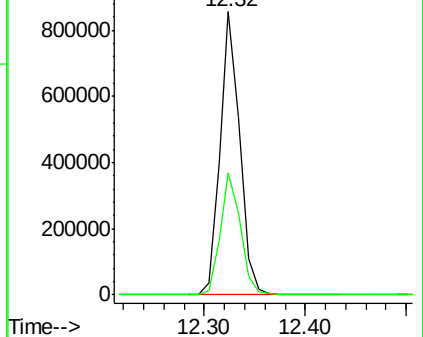
105 100

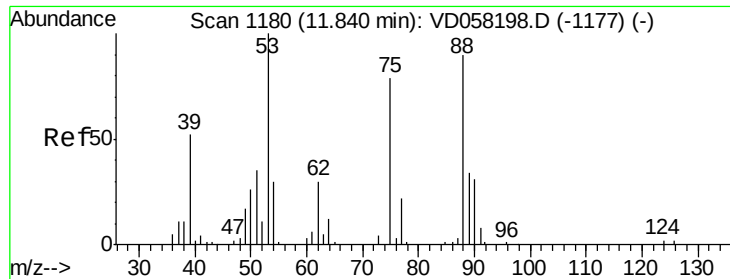
120 43.2 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.42 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058339.D

Acq: 23 Jun 2018 14:03

Instrument :

MSVOA_D

ClientSampleId :

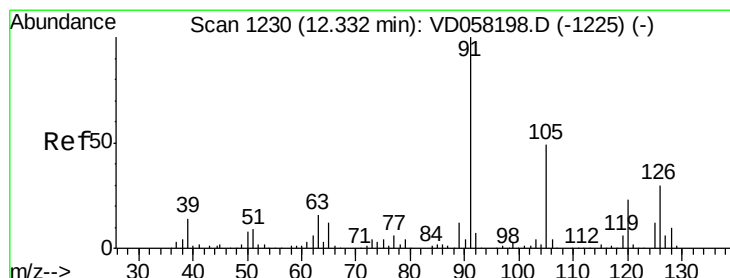
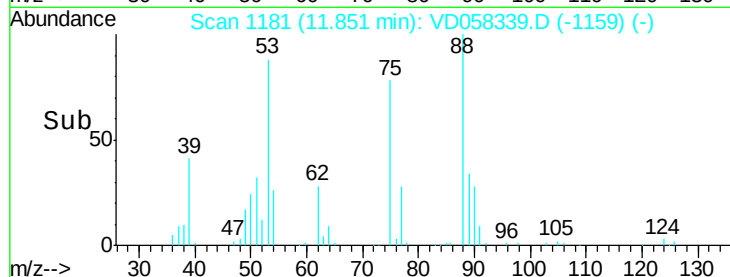
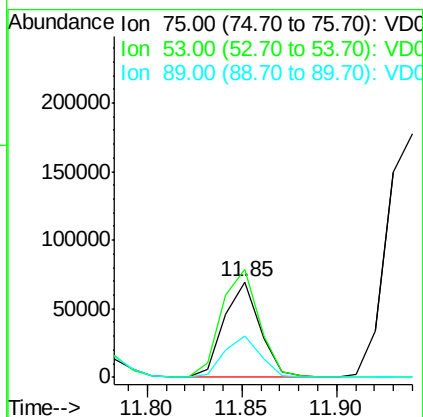
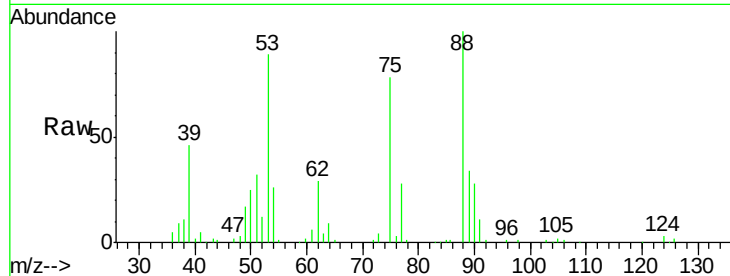
Tot Ion: 75 Resp: 91190

Ion Ratio Lower Upper

75 100

53 113.5 100.8 151.2

89 43.8 34.6 52.0



#82

4-Chlorotoluene

Concen: 59.63 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058339.D

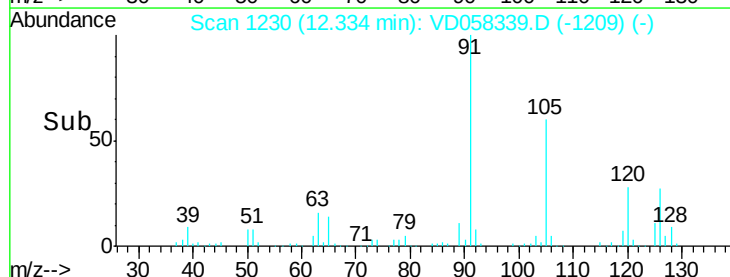
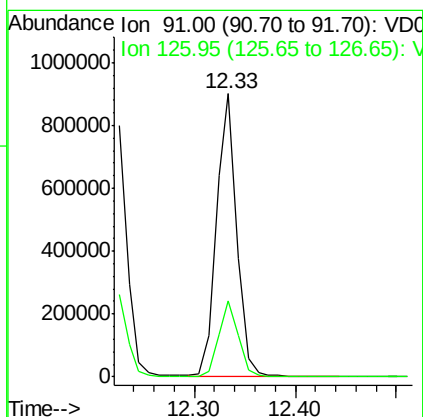
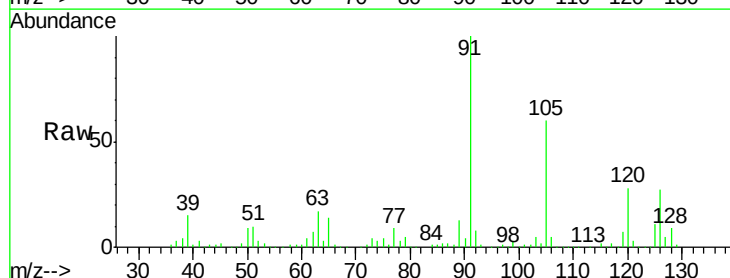
Acq: 23 Jun 2018 14:03

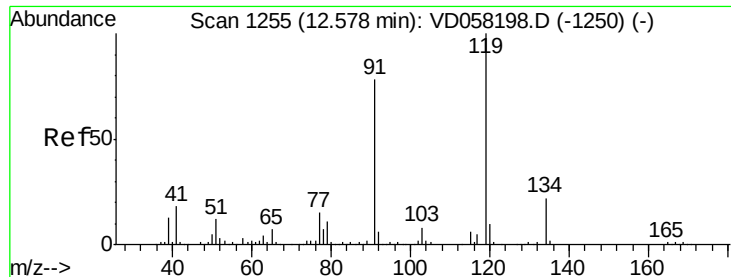
Tgt Ion: 91 Resp: 1256769

Ion Ratio Lower Upper

91 100

126 26.9 14.9 44.9

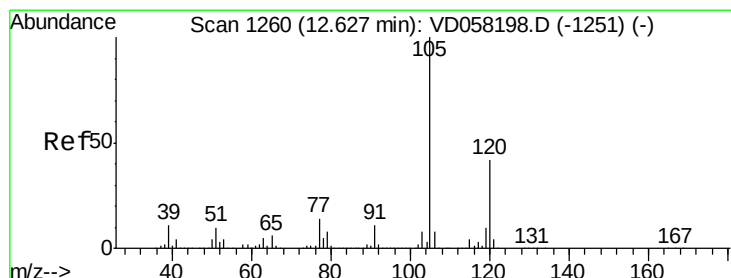
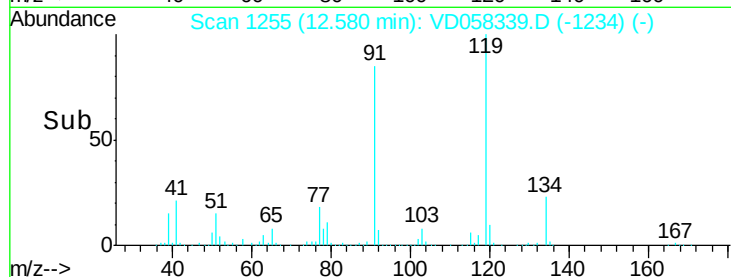
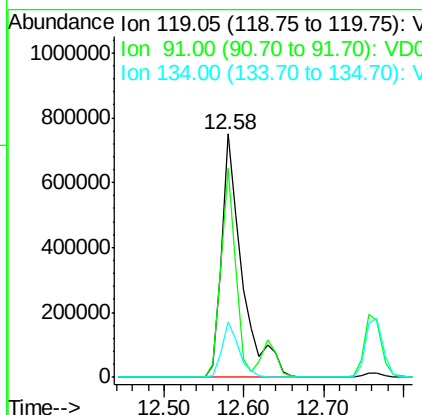
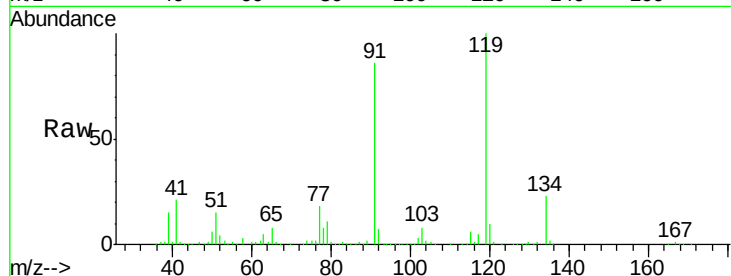




#83
 tert-Butylbenzene
 Concen: 50.95 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

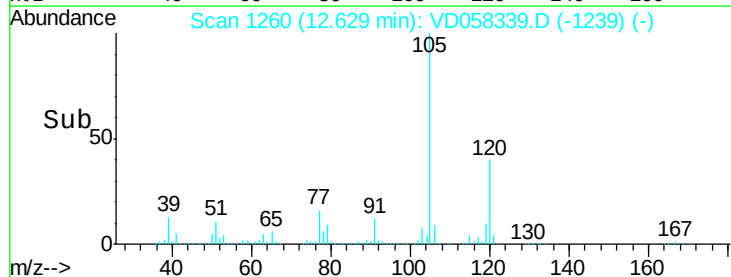
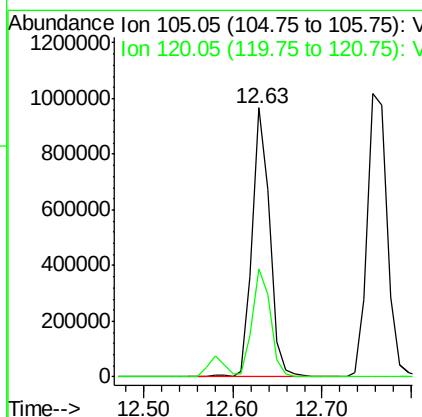
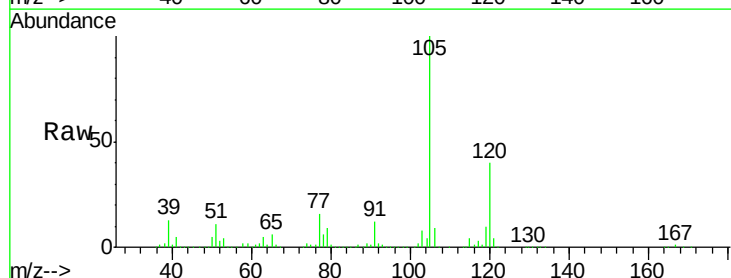
Instrument :
 MSVOA_D
 ClientSampled :

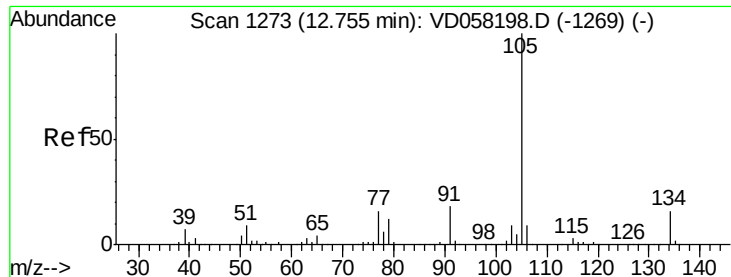
Tot Ion:119 Resp: 1360835
 Ion Ratio Lower Upper
 119 100
 91 85.8 38.9 116.6
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.74 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion:105 Resp: 1306714
 Ion Ratio Lower Upper
 105 100
 120 40.2 20.8 62.4

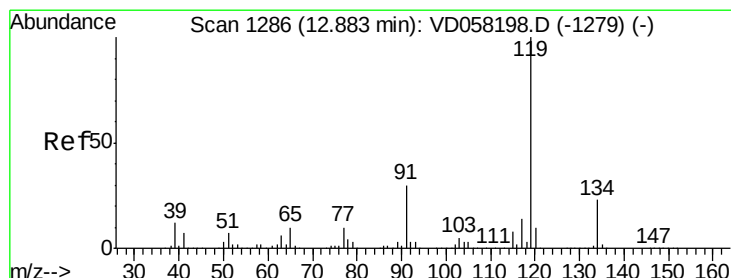
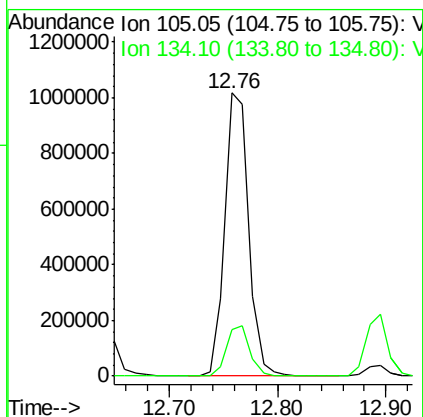
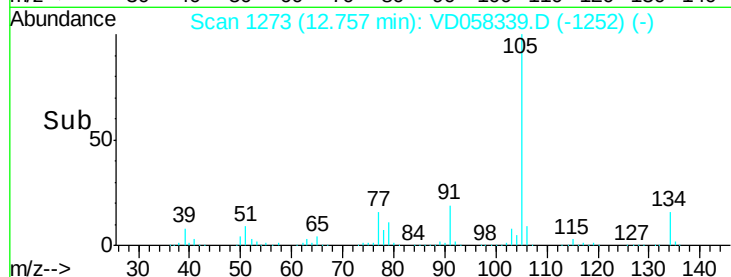
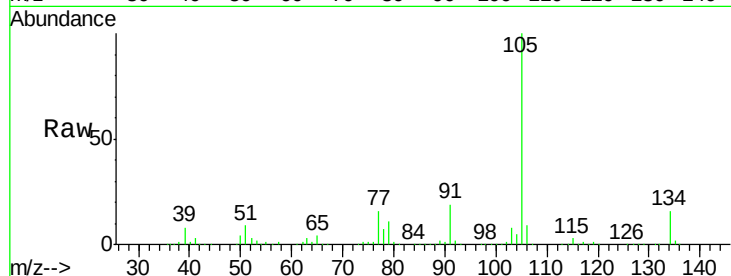




#85
 sec-Butylbenzene
 Concen: 49.60 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

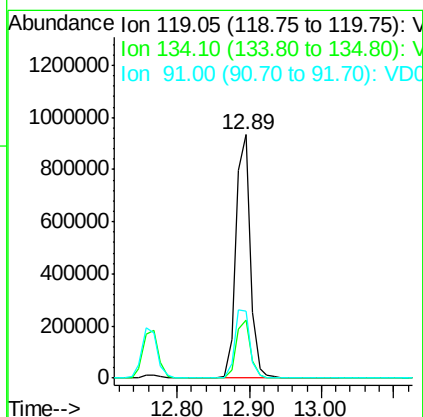
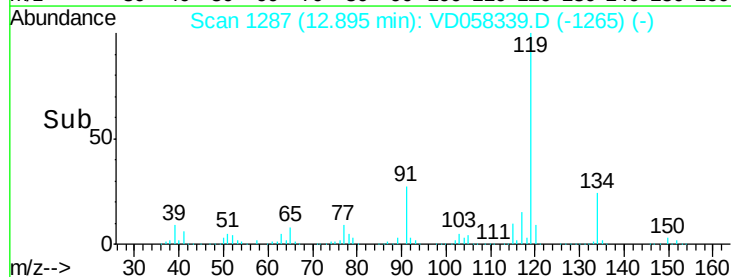
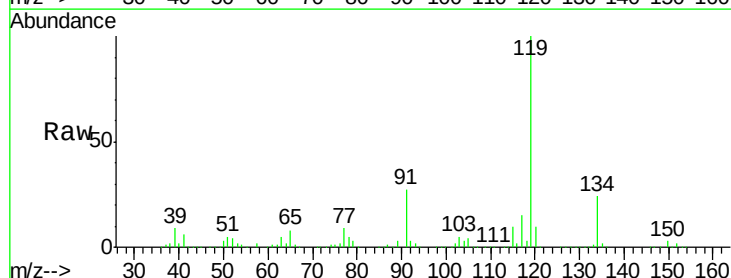
Instrument :
 MSVOA_D
 ClientSampleID :

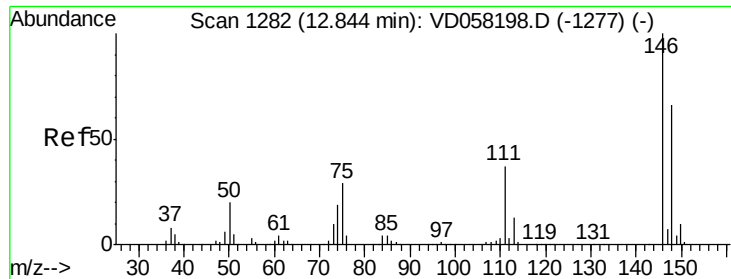
Tot Ion:105 Resp: 1552944
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 51.29 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion:119 Resp: 1301467
 Ion Ratio Lower Upper
 119 100
 134 23.8 11.6 34.8
 91 27.4 15.0 45.1

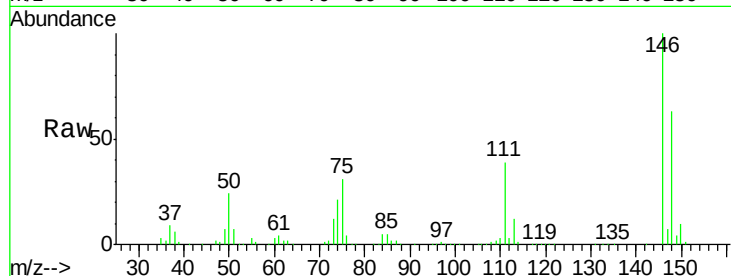




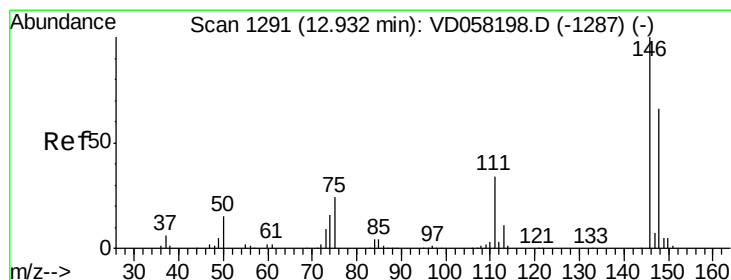
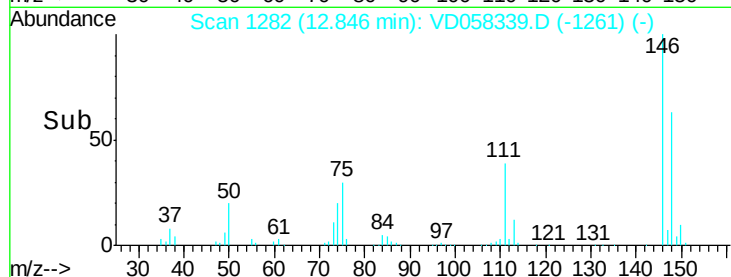
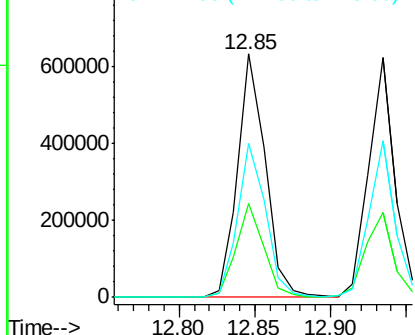
#87
 1,3-Dichlorobenzene
 Concen: 51.90 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 804621
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.4 55.0
 148 63.4 32.8 98.4

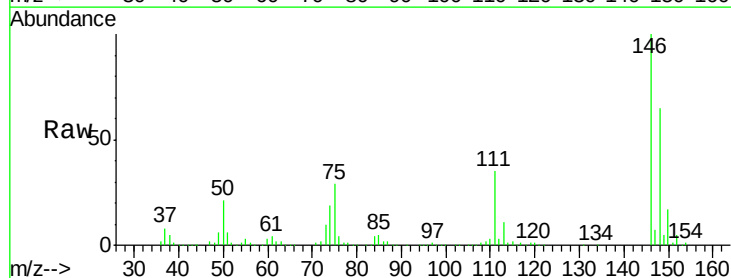


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

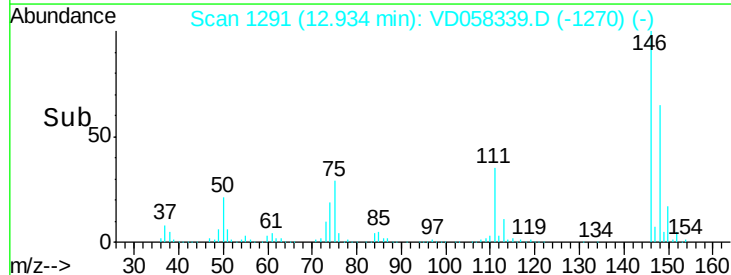
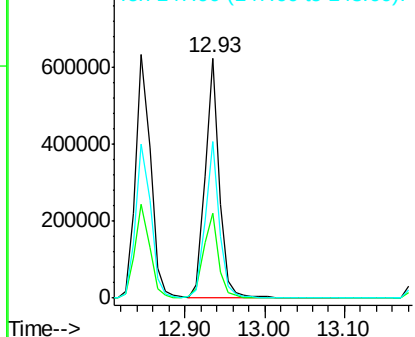


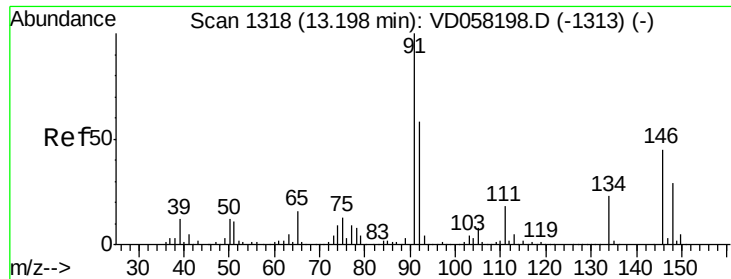
#88
 1,4-Dichlorobenzene
 Concen: 50.54 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion:146 Resp: 765161
 Ion Ratio Lower Upper
 146 100
 111 35.1 17.2 51.5
 148 65.4 33.1 99.3



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

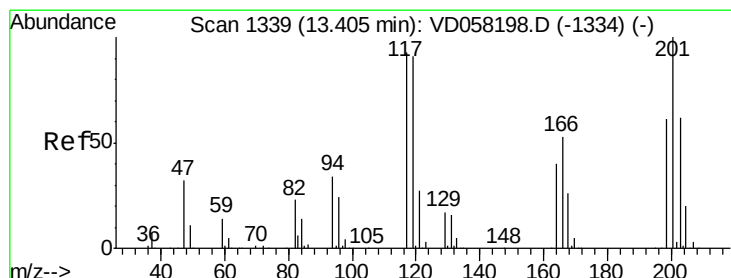
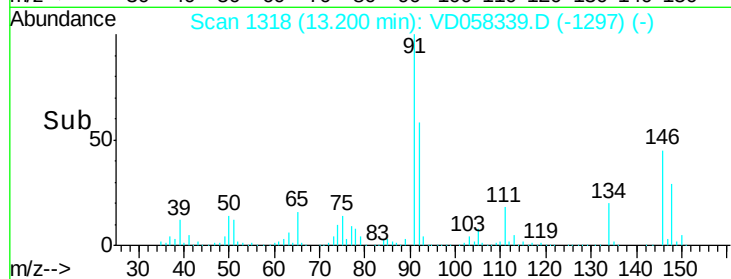
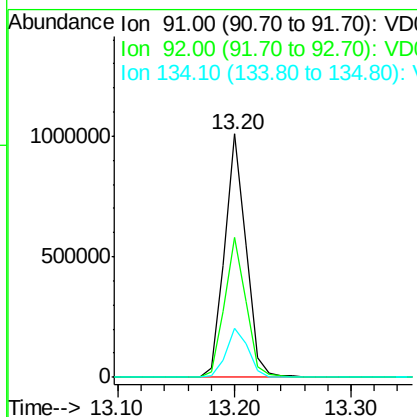
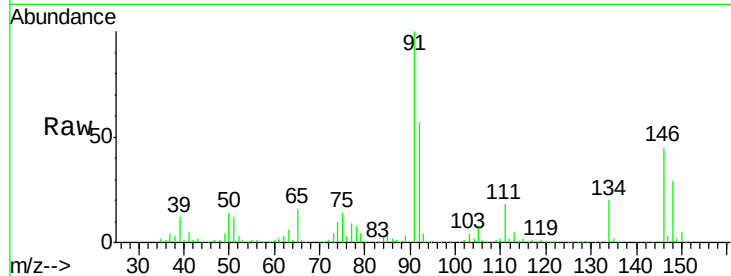




#89
n-Butylbenzene
Concen: 48.40 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

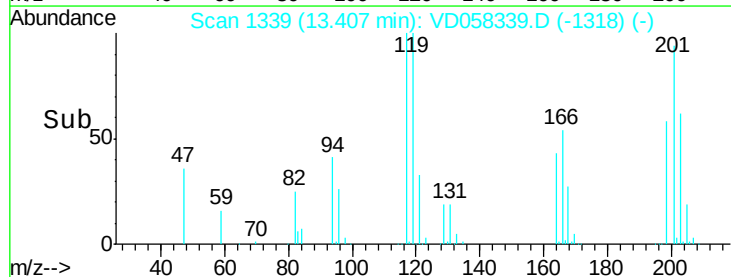
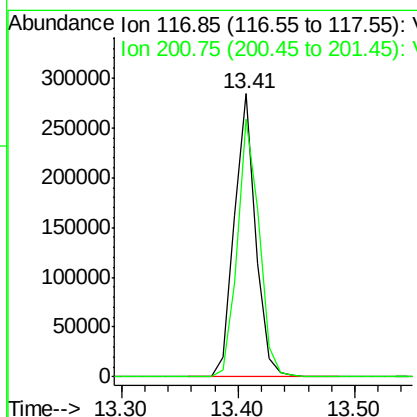
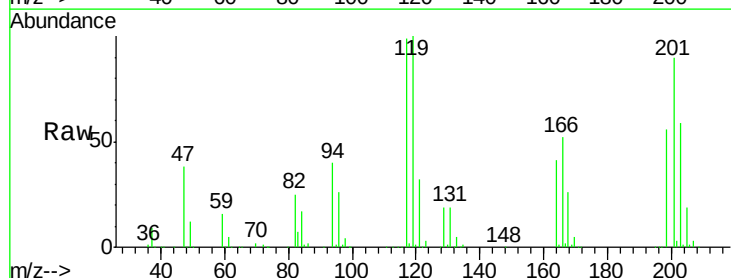
Instrument :
MSVOA_D
ClientSampleId :

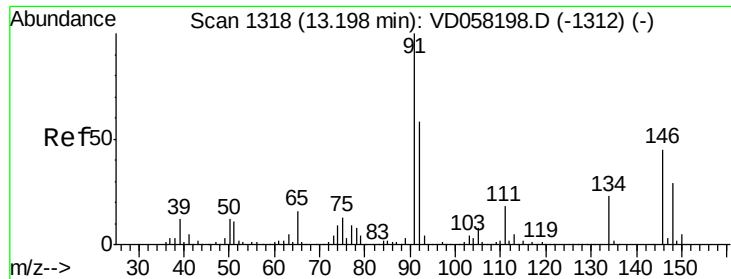
Tot Ion: 91 Resp: 1290537
Ion Ratio Lower Upper
91 100
92 57.5 29.2 87.6
134 20.1 11.3 33.8



#90
Hexachloroethane
Concen: 54.53 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion: 117 Resp: 359078
Ion Ratio Lower Upper
117 100
201 91.1 53.8 161.4

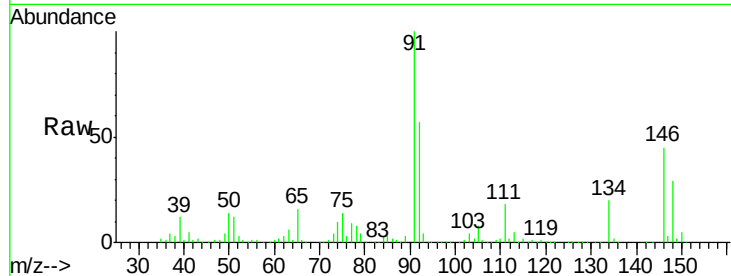




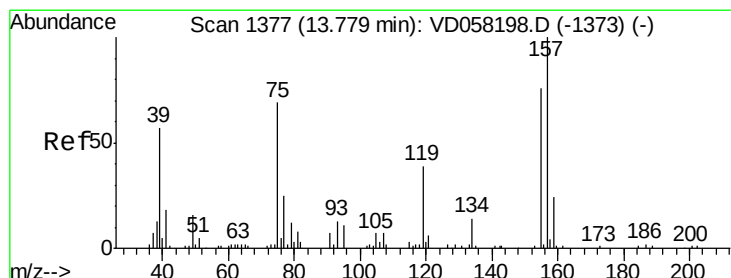
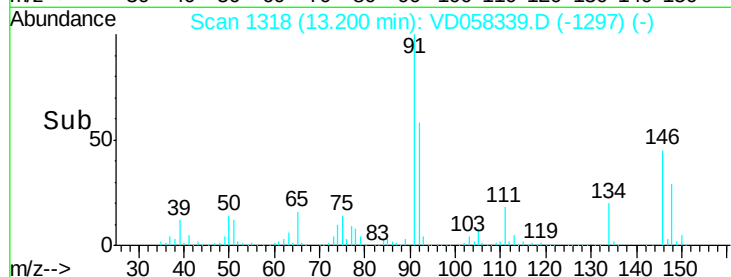
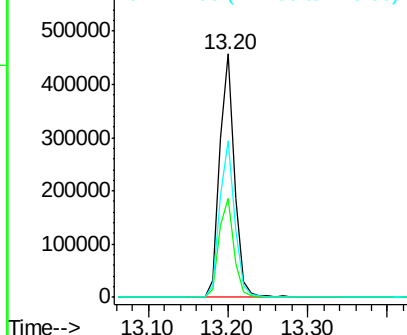
#91
 1,2-Dichlorobenzene
 Concen: 45.87 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 605207
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.6 58.7
 148 64.5 32.0 96.2

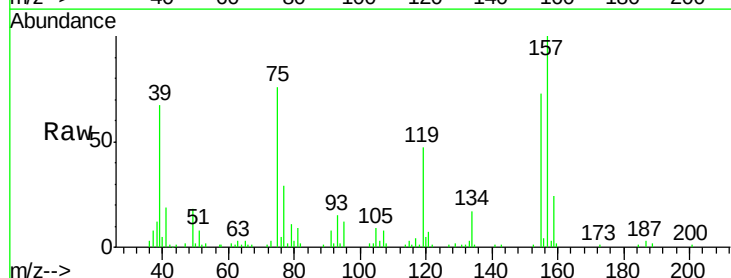


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

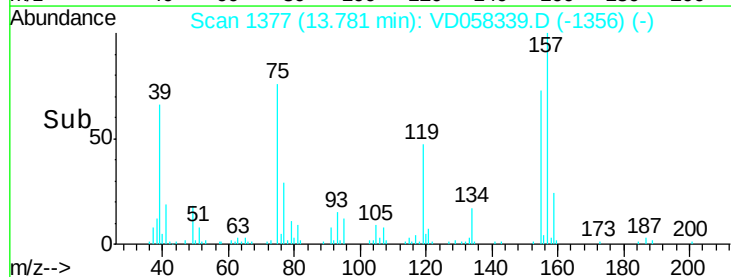
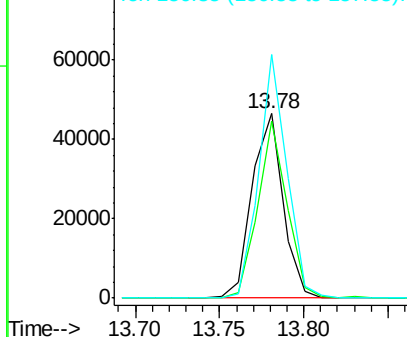


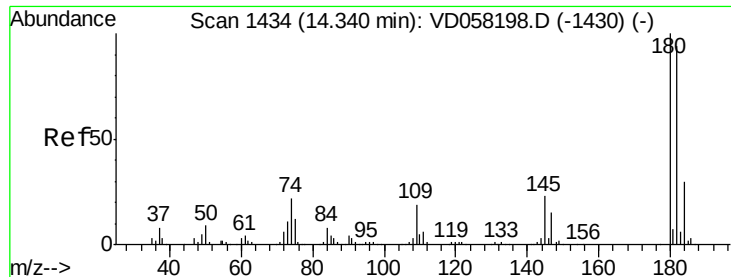
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.53 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion: 75 Resp: 59054
 Ion Ratio Lower Upper
 75 100
 155 96.4 54.5 163.5
 157 132.1 72.0 215.9



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

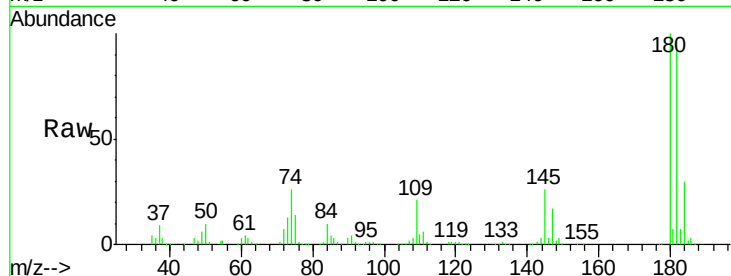




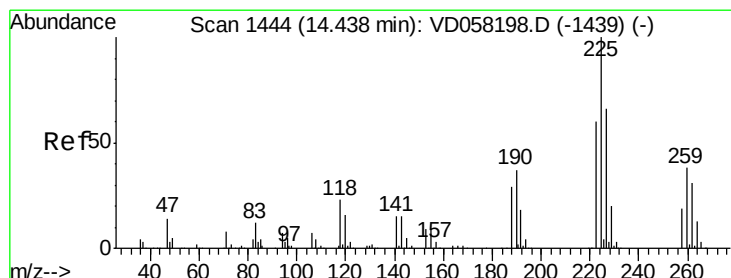
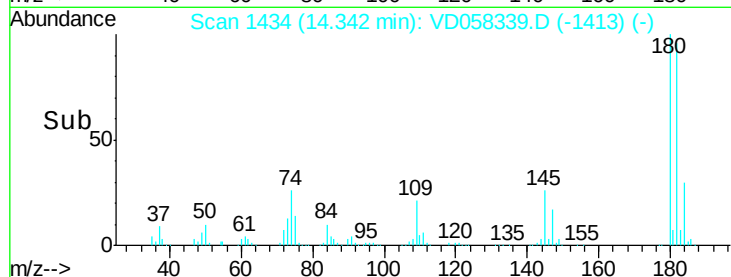
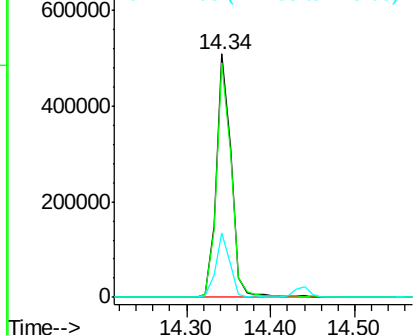
#93
 1,2,4-Trichlorobenzene
 Concen: 49.49 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 624433
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.1 141.3
 145 26.3 11.7 35.0

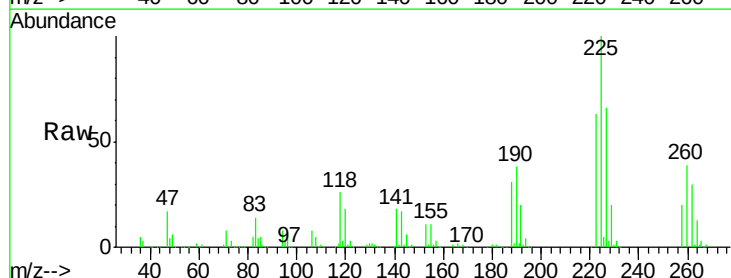


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

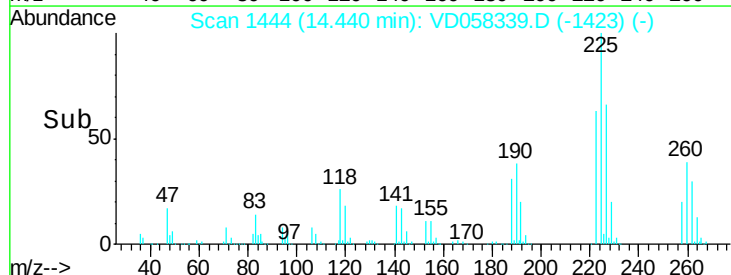
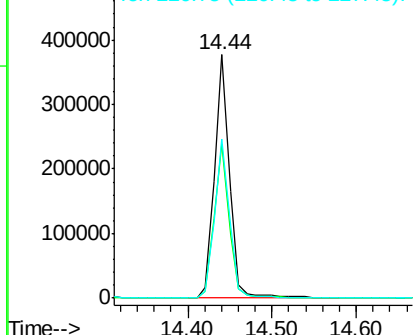


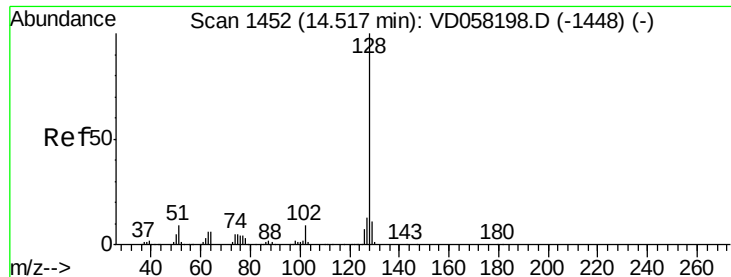
#94
 Hexachlorobutadiene
 Concen: 47.43 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058339.D
 Acq: 23 Jun 2018 14:03

Tgt Ion:225 Resp: 468137
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.1 90.3
 227 65.5 33.0 98.9



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

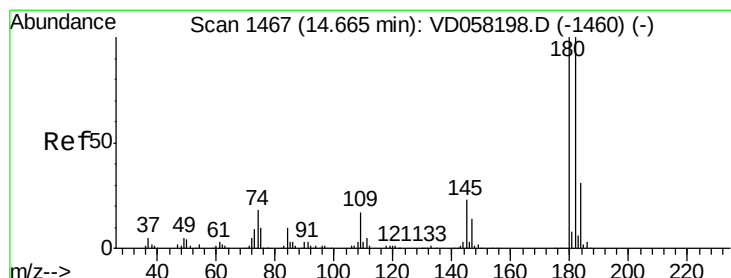
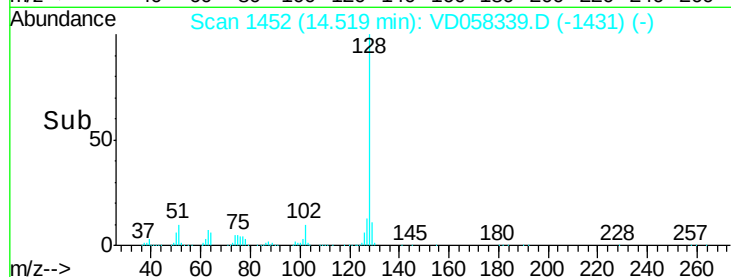
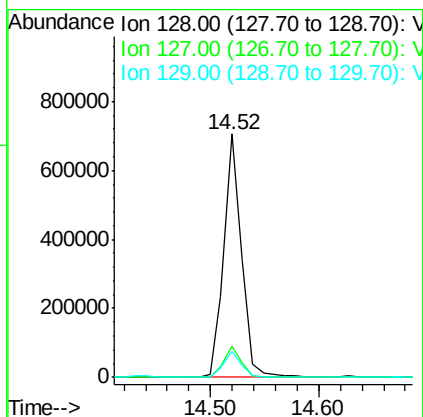
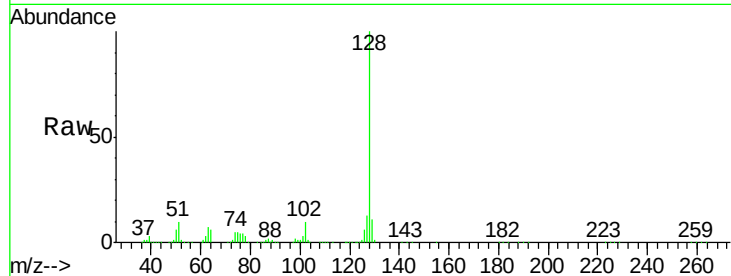




#95
Naphthalene
Concen: 48.73 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 809964
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 47.87 ug/l
RT: 14.67 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD058339.D
Acq: 23 Jun 2018 14:03

Tgt Ion:180 Resp: 528803
Ion Ratio Lower Upper
180 100
182 98.9 49.9 149.6
145 24.2 11.7 35.1

