

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082020\
 Data File : VX018033.D
 Acq On : 20 Aug 2020 14:33
 Operator : JC/SP
 Sample : L3721-01DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I-OC-6DL

Quant Time: Aug 21 01:25:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	580891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	936145	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	887608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	446402	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	382713	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	
35) Dibromofluoromethane	5.47	113	310797	44.58	ug/l	0.00
Spiked Amount			Recovery	=	89.16%	
50) Toluene-d8	8.70	98	1137668	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
62) 4-Bromofluorobenzene	11.12	95	425783	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	

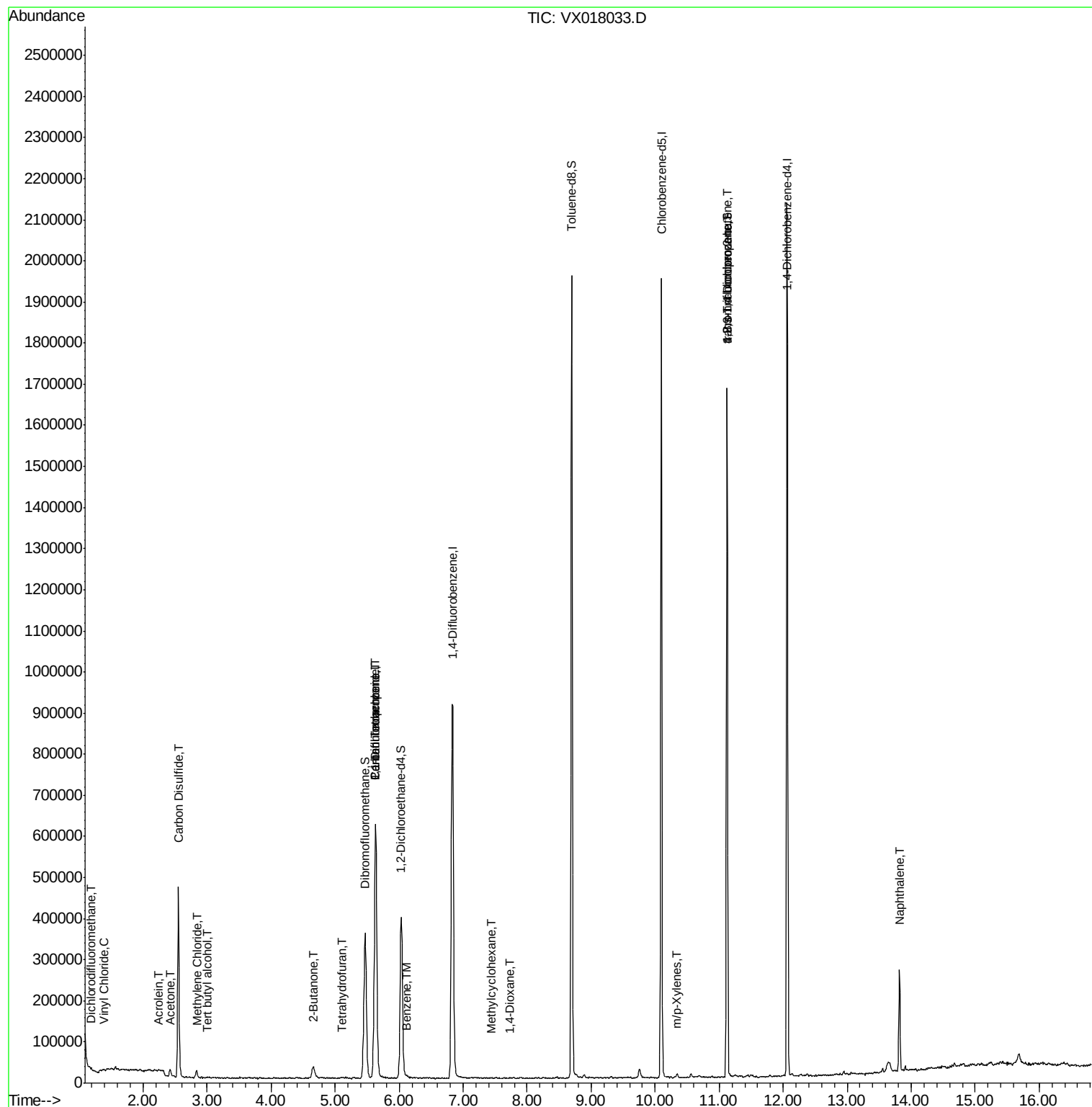
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	354	1.029	ug/l	93
4) Vinyl Chloride	1.39	62	901	2.364	ug/l #	48
11) Tert butyl alcohol	3.01	59	5235	3.184	ug/l	96
13) Acrolein	2.24	56	586	0.675	ug/l #	13
16) Acetone	2.42	43	19229	5.740	ug/l	91
17) Carbon Disulfide	2.55	76	557882	43.915	ug/l	100
20) Methylene Chloride	2.84	84	7895	1.279	ug/l #	85
25) 2-Butanone	4.67	43	5447	1.074	ug/l #	48
29) Tetrahydrofuran	5.11	42	1650	0.524	ug/l #	81
36) 1,1-Dichloropropene	5.63	75	43524	5.555	ug/l #	52
38) Carbon Tetrachloride	5.63	117	60166	5.933	ug/l #	17
39) Methylcyclohexane	7.44	83	682	0.880	ug/l #	36
40) Benzene	6.12	78	7954	0.337	ug/l #	64
49) 1,4-Dioxane	7.71	88	203	1.322	ug/l #	12
68) m/p-Xylenes	10.34	106	2338	0.209	ug/l #	54
76) 1,2,3-Trichloropropane	11.12	75	215768	22.728	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	215768	59.710	ug/l #	12
95) Naphthalene	13.82	128	147482	5.302	ug/l	99

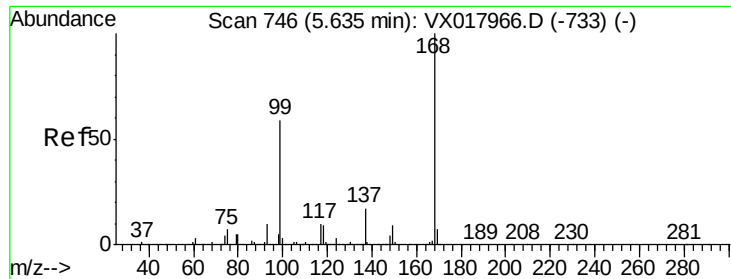
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 19 05:36:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

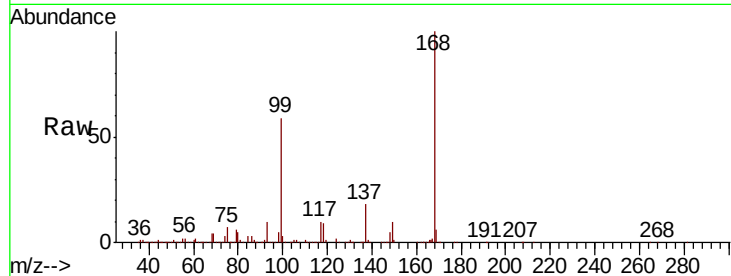
I-OC-6DL

Tot Ion:168 Resp: 580891

Ion Ratio Lower Upper

168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

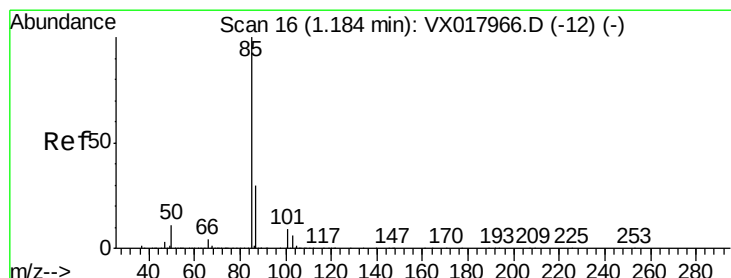
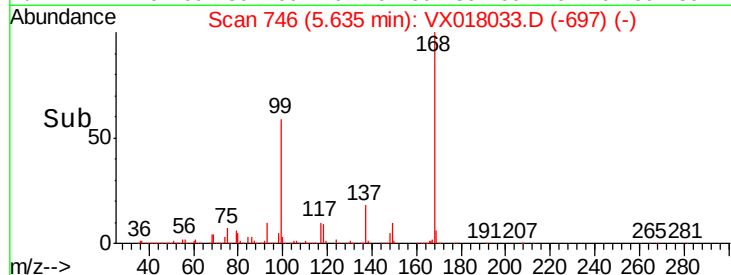
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.029 ug/l

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX018033.D

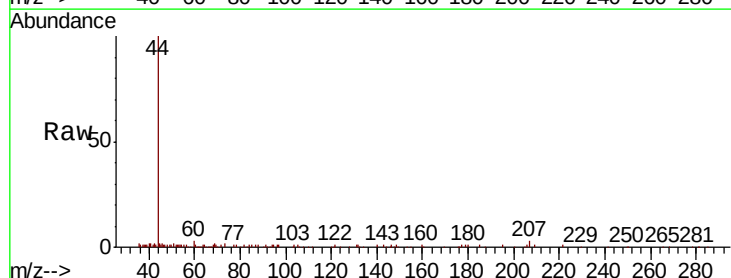
Acq: 20 Aug 2020 14:33

Tgt Ion: 85 Resp: 354

Ion Ratio Lower Upper

85 100

87 26.6 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

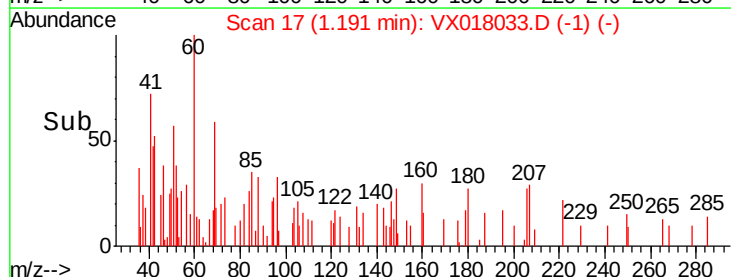
300

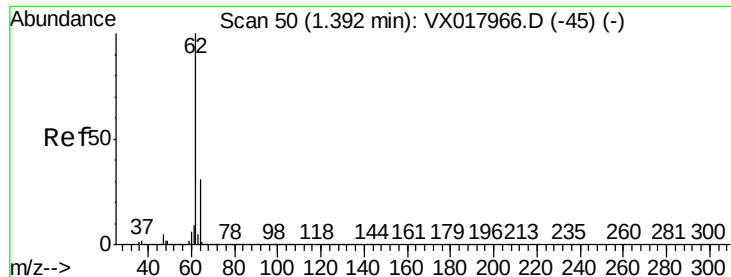
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 2.364 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampled :

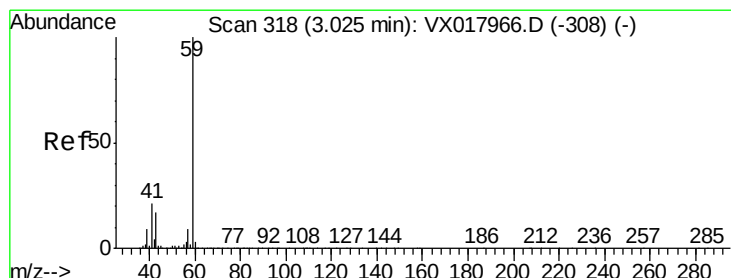
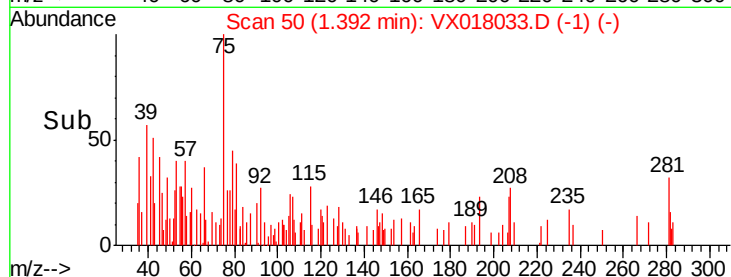
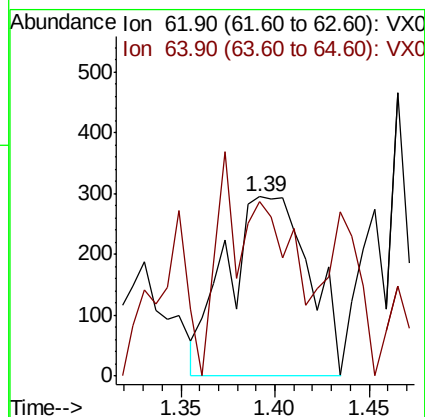
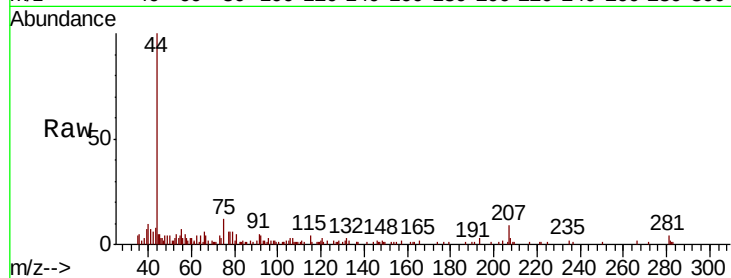
I-OC-6DL

Tot Ion: 62 Resp: 901

Ion Ratio Lower Upper

62 100

64 59.7 24.7 37.1#



#11

Tert butyl alcohol

Concen: 3.184 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX018033.D

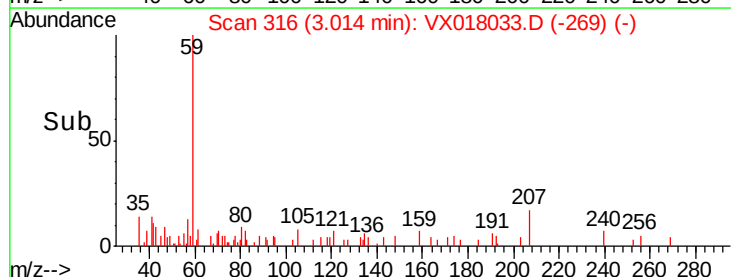
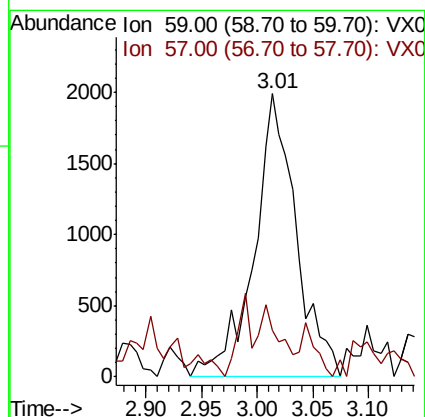
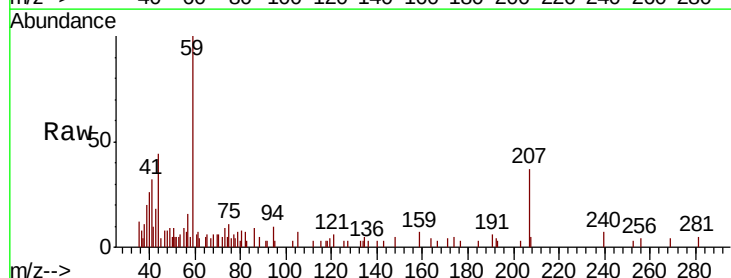
Acq: 20 Aug 2020 14:33

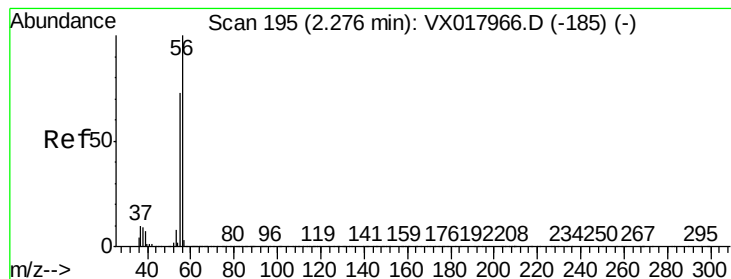
Tgt Ion: 59 Resp: 5235

Ion Ratio Lower Upper

59 100

57 9.5 8.6 13.0





#13

Acrolein

Concen: 0.675 ug/l

RT: 2.24 min Scan# 189

Delta R.T. -0.04 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampled :

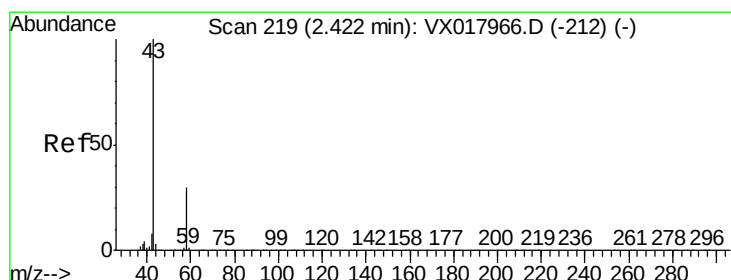
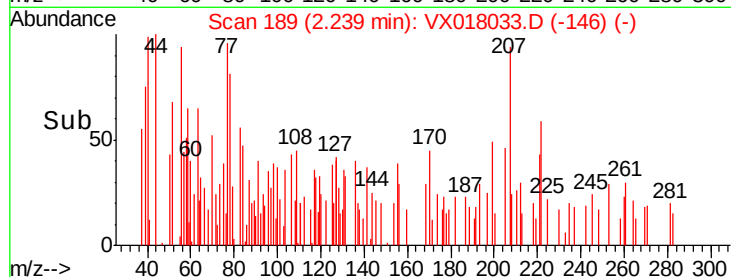
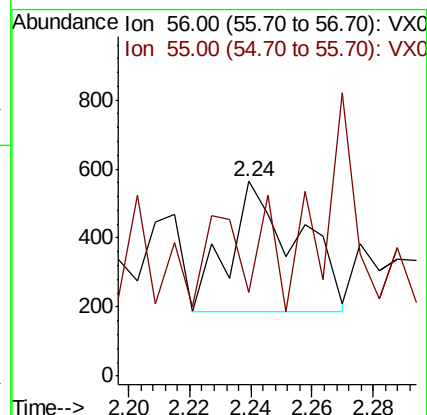
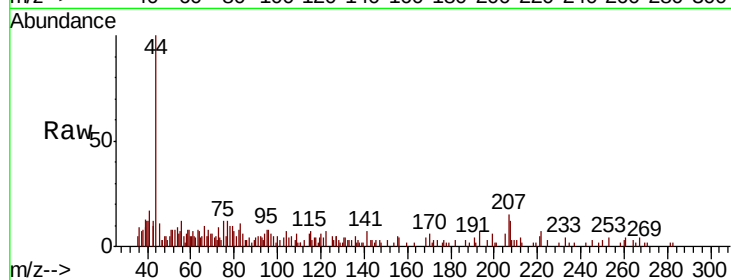
I-OC-6DL

Tot Ion: 56 Resp: 586

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 5.740 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018033.D

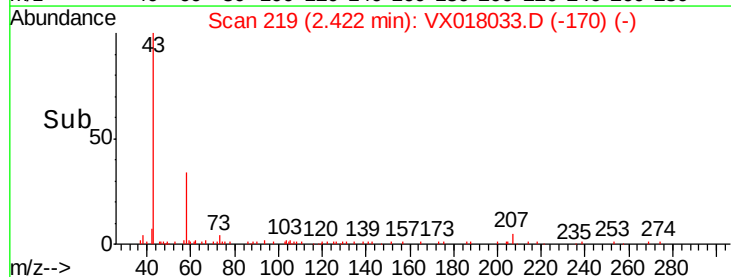
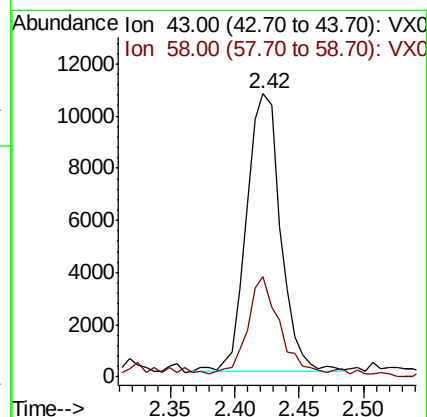
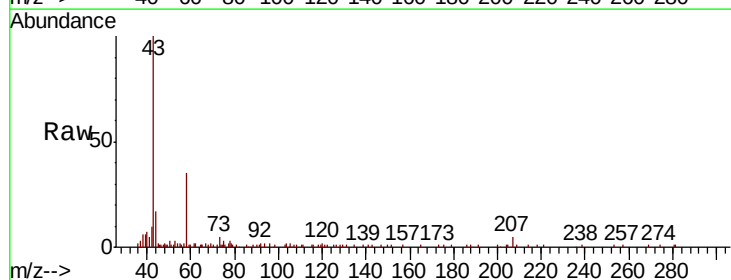
Acq: 20 Aug 2020 14:33

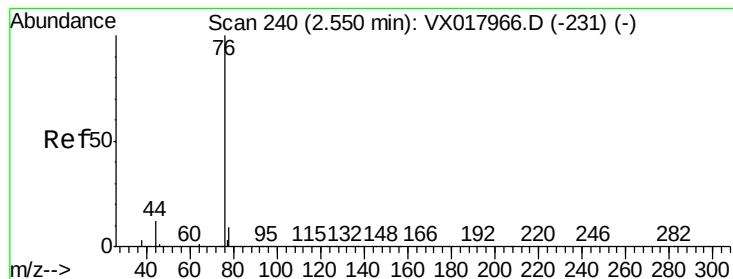
Tgt Ion: 43 Resp: 19229

Ion Ratio Lower Upper

43 100

58 34.7 23.8 35.8





#17

Carbon Disulfide

Concen: 43.915 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

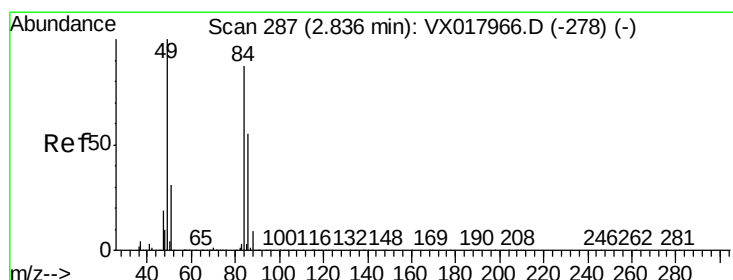
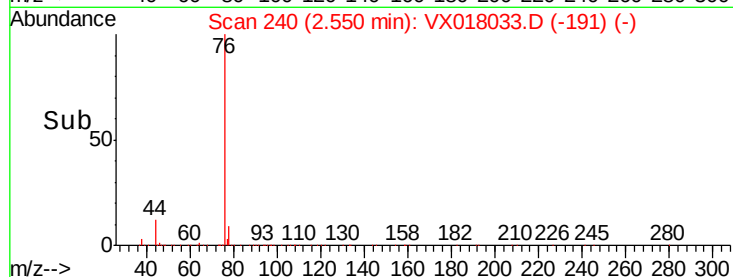
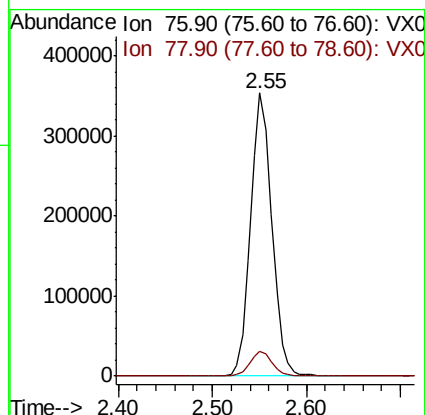
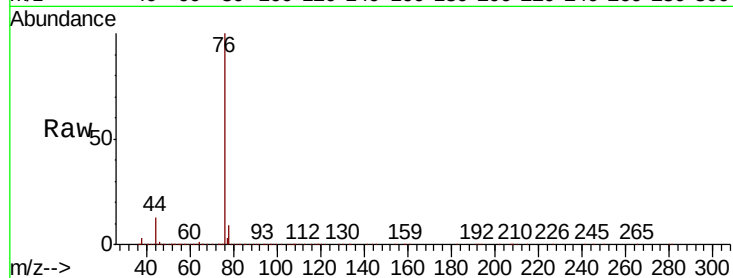
I-OC-6DL

Tot Ion: 76 Resp: 557882

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



#20

Methylene Chloride

Concen: 1.279 ug/l

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Tgt Ion: 84 Resp: 7895

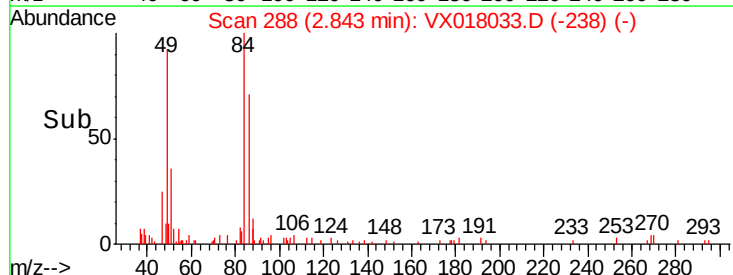
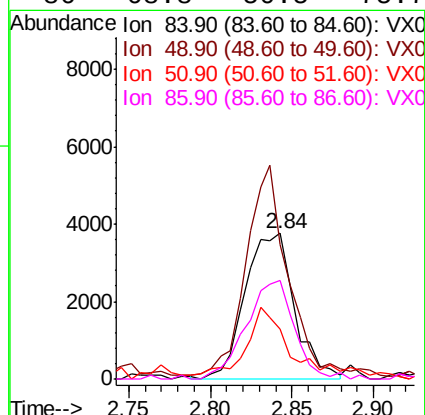
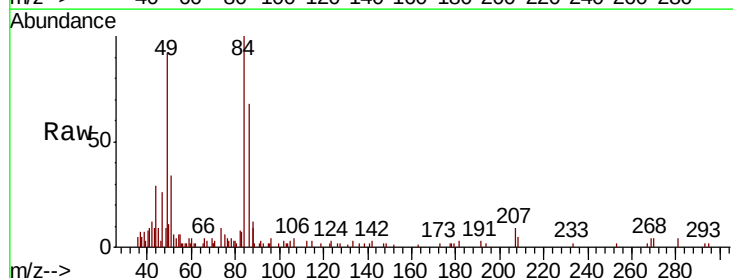
Ion Ratio Lower Upper

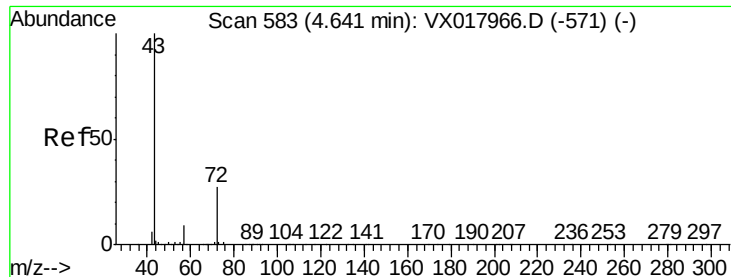
84 100

49 91.5 91.8 137.6#

51 31.9 27.8 41.8

86 68.8 50.5 75.7





#25

2-Butanone

Concen: 1.074 ug/l

RT: 4.67 min Scan# 588

Delta R.T. 0.03 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

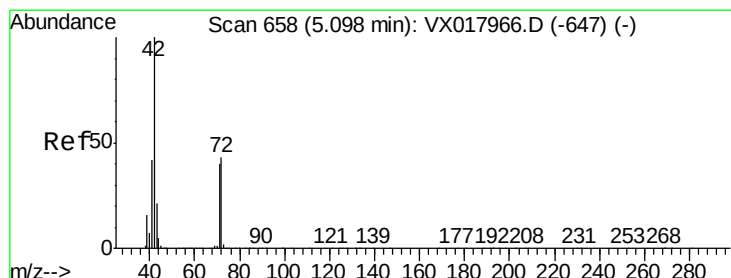
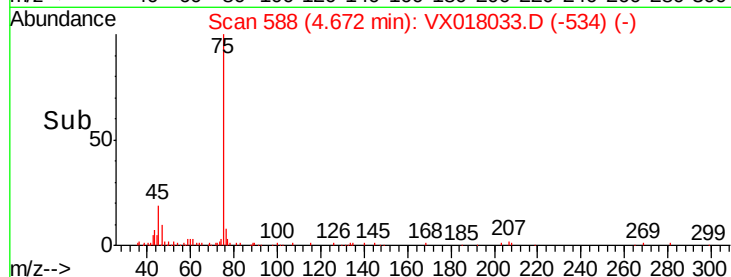
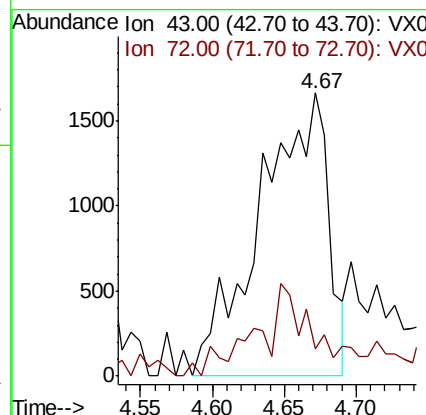
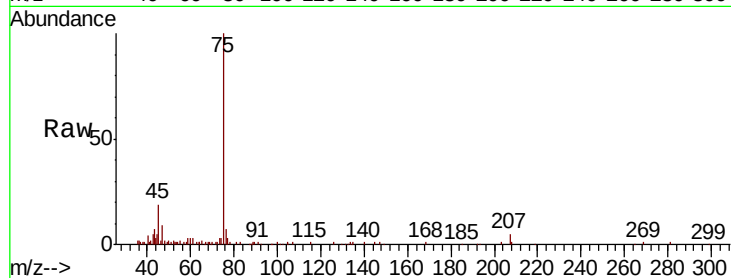
I-OC-6DL

Tot Ion: 43 Resp: 5447

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#29

Tetrahydrofuran

Concen: 0.524 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

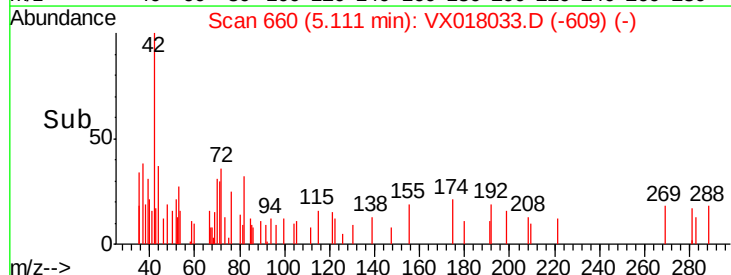
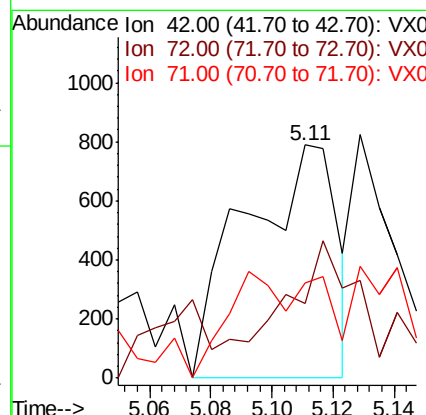
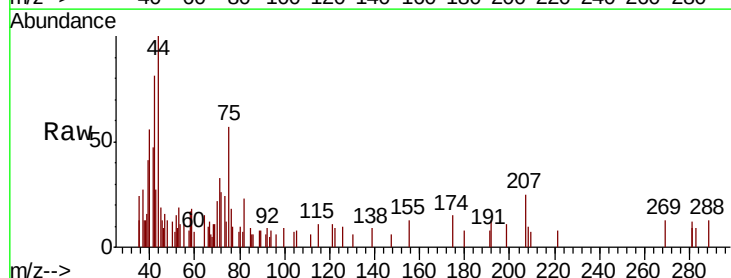
Tgt Ion: 42 Resp: 1650

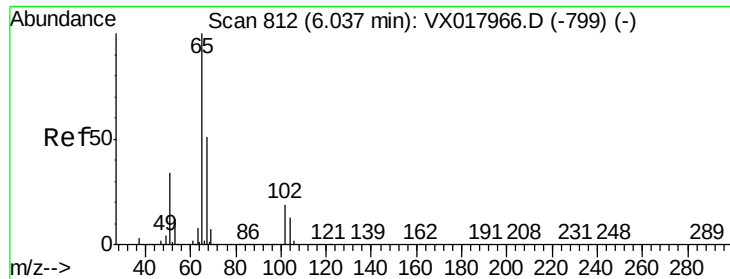
Ion Ratio Lower Upper

42 100

72 31.9 35.9 53.9#

71 30.4 33.0 49.4#

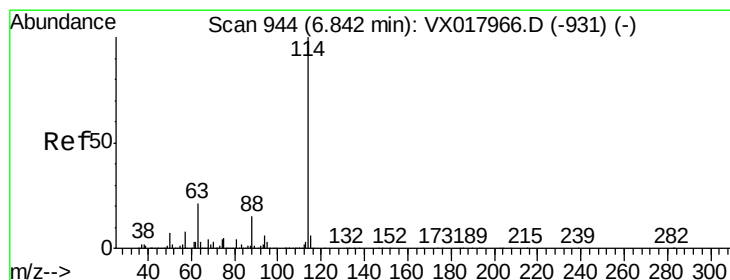
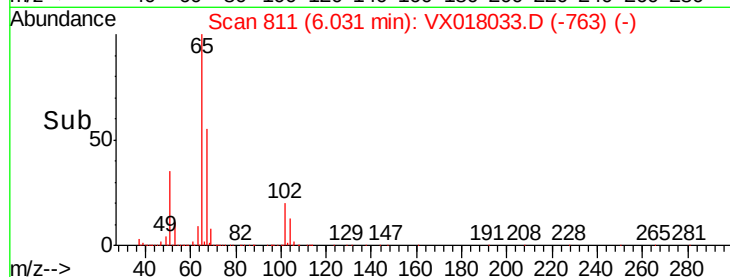
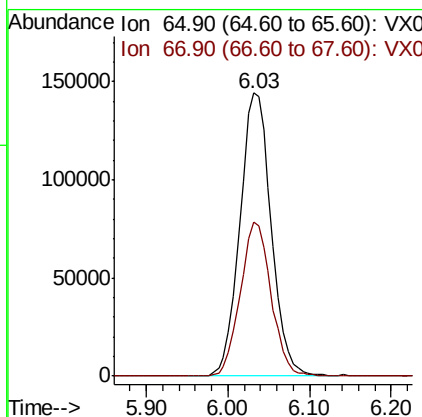
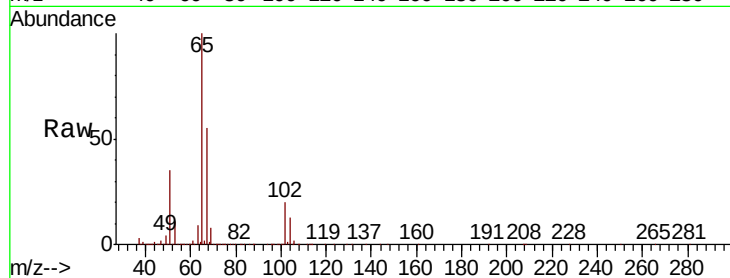




#33
 1,2-Dichloroethane-d4
 Concen: 44.943 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX018033.D
 Acq: 20 Aug 2020 14:33

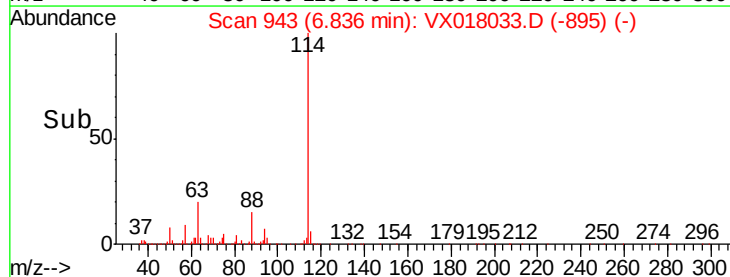
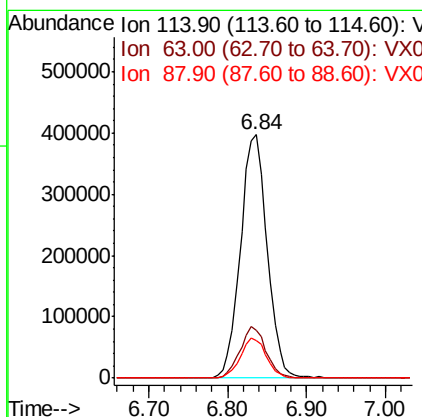
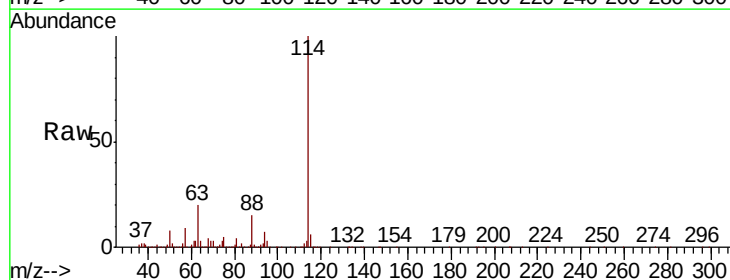
Instrument :
 MSVOA_X
 ClientSampleId :
 I-OC-6DL

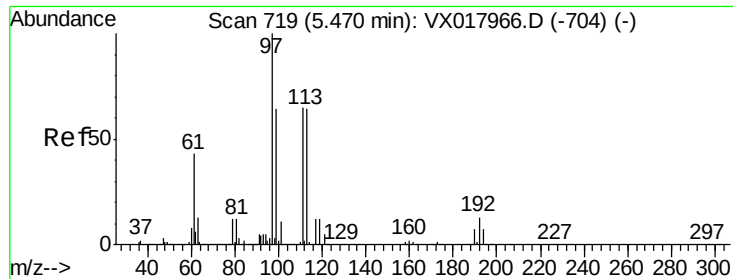
Tot Ion: 65 Resp: 382713
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: VX018033.D
 Acq: 20 Aug 2020 14:33

Tgt Ion: 114 Resp: 936145
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 44.582 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

I-OC-6DL

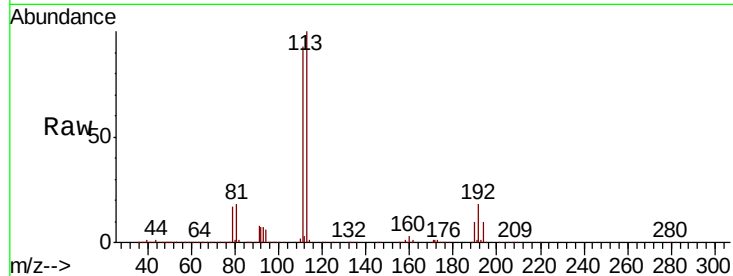
Tot Ion:113 Resp: 310797

Ion Ratio Lower Upper

113 100

111 98.3 83.5 125.3

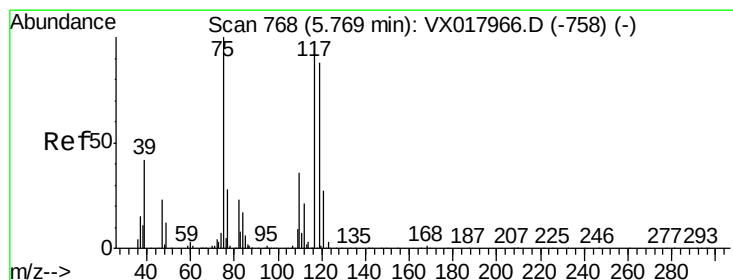
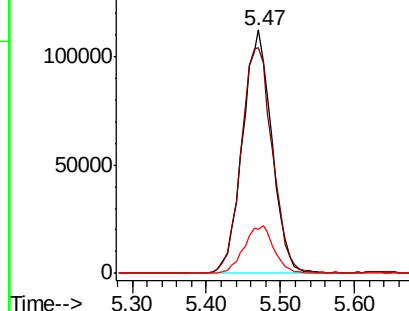
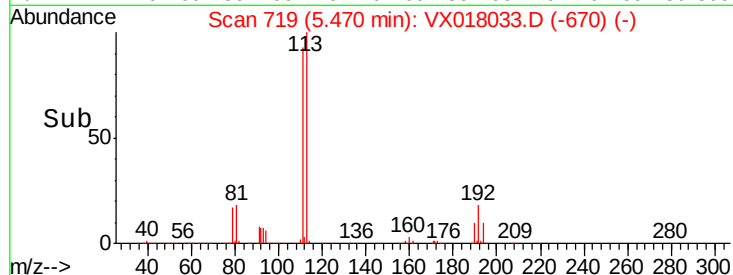
192 19.9 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.555 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

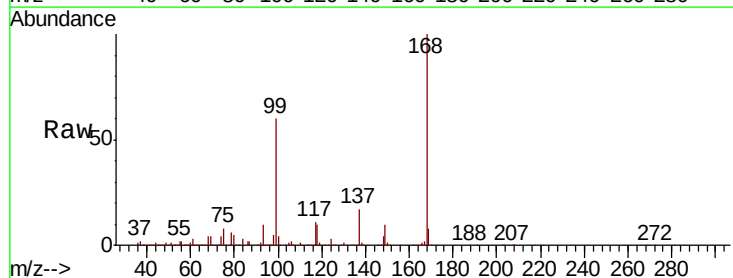
Tgt Ion: 75 Resp: 43524

Ion Ratio Lower Upper

75 100

110 11.5 18.7 56.1#

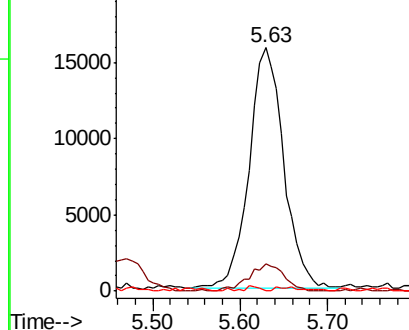
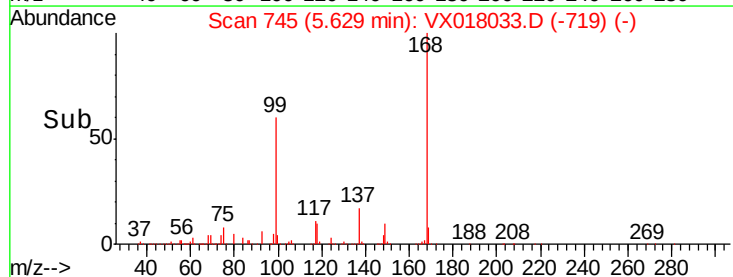
77 0.6 24.4 36.6#

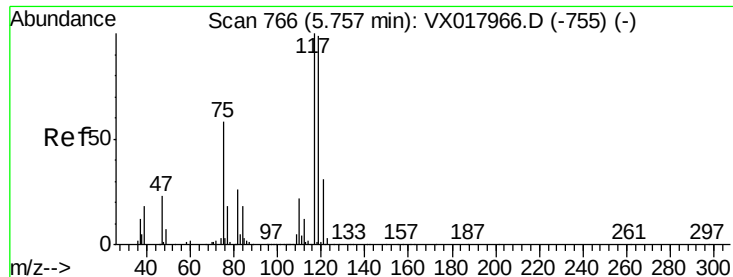


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.933 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampled :

I-OC-6DL

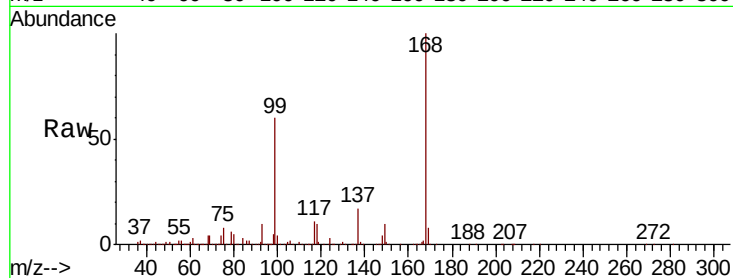
Tot Ion:117 Resp: 60166

Ion Ratio Lower Upper

117 100

119 8.3 79.0 118.6#

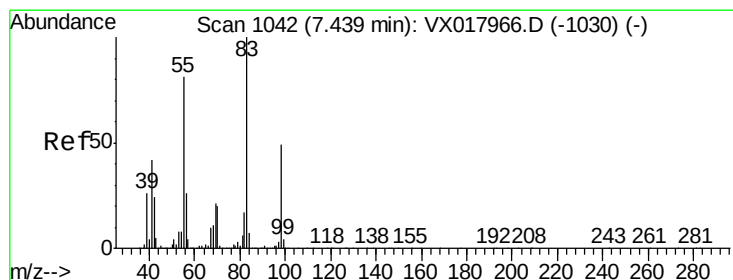
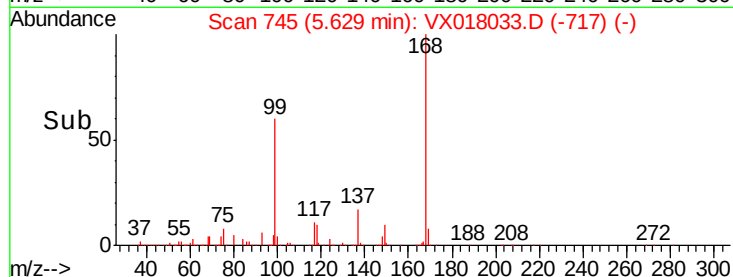
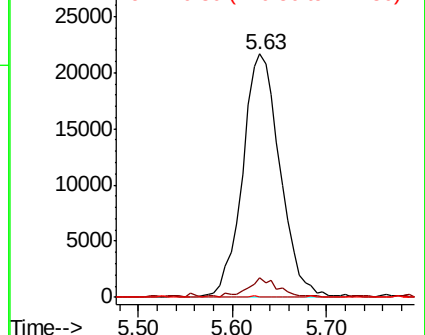
121 0.3 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.880 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

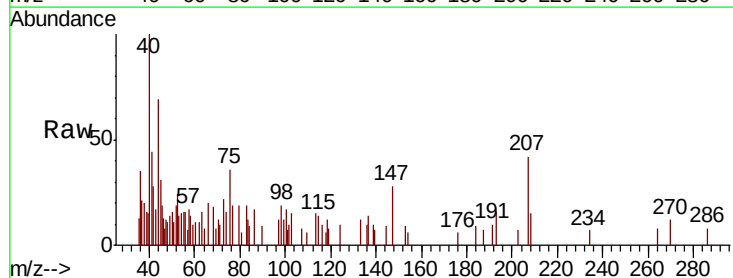
Tgt Ion: 83 Resp: 682

Ion Ratio Lower Upper

83 100

55 0.0 64.5 96.7#

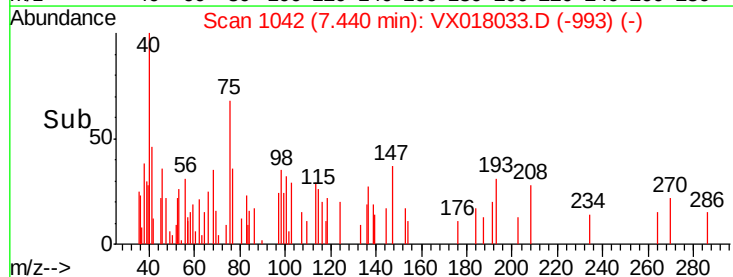
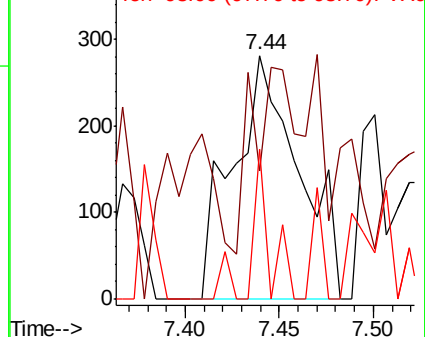
98 61.6 39.0 58.6#

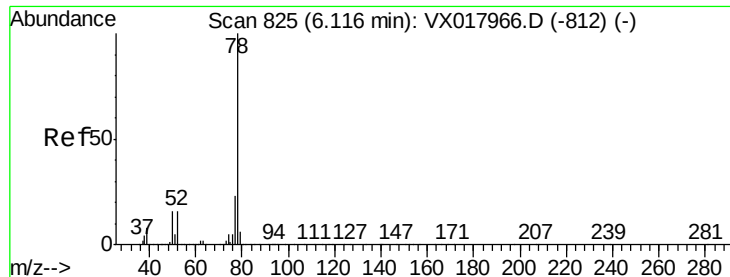


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.337 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampled :

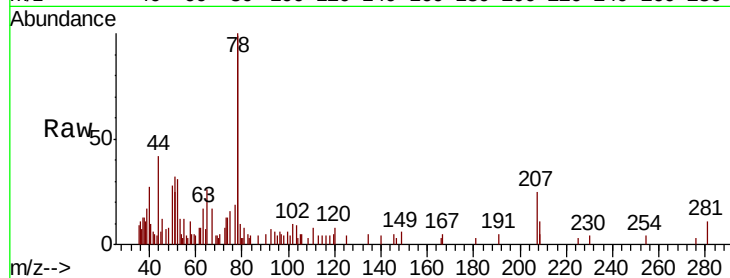
I-OC-6DL

Tot Ion: 78 Resp: 7954

Ion Ratio Lower Upper

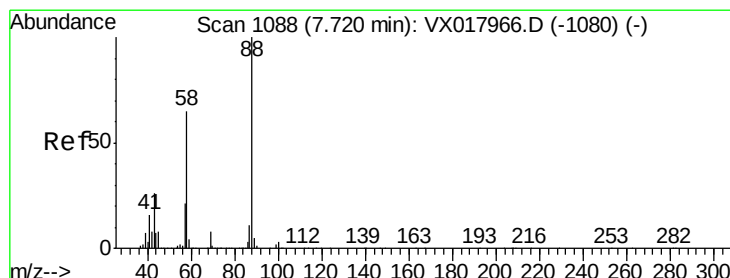
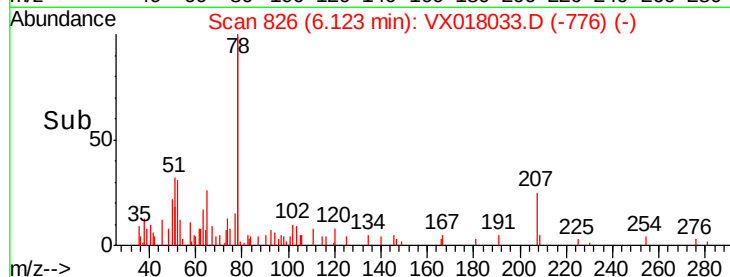
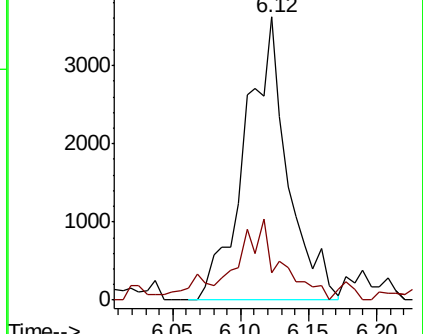
78 100

77 5.8 18.8 28.2#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 1.322 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

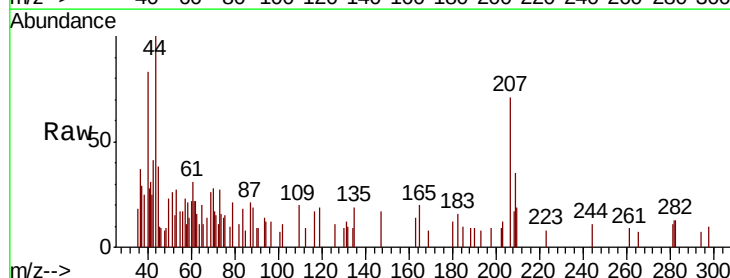
Tgt Ion: 88 Resp: 203

Ion Ratio Lower Upper

88 100

43 0.0 27.3 40.9#

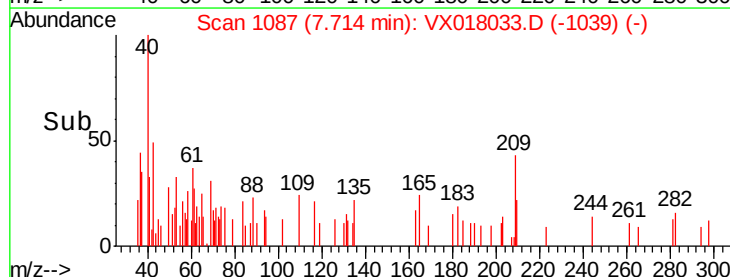
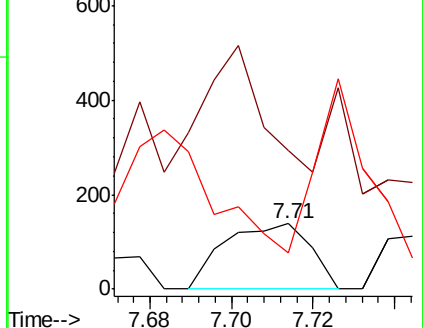
58 156.7 57.7 86.5#

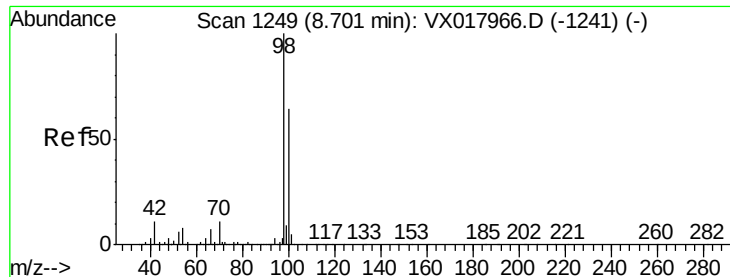


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 46.168 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

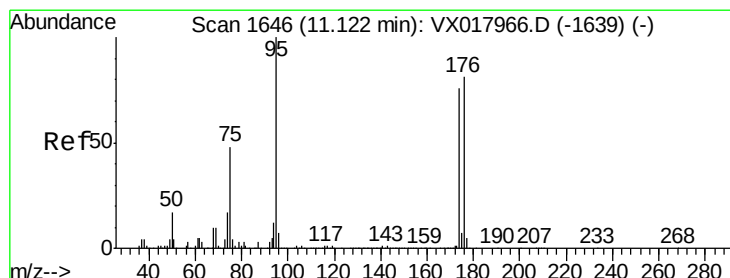
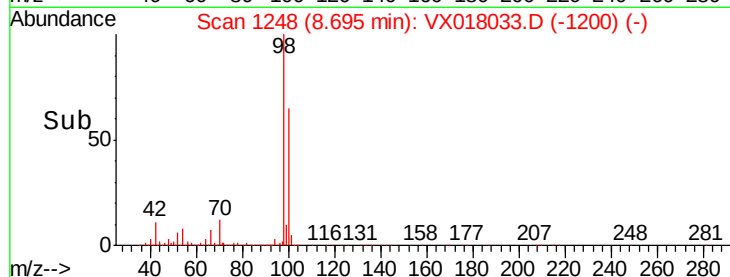
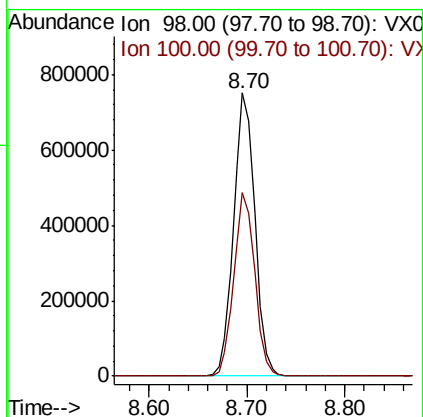
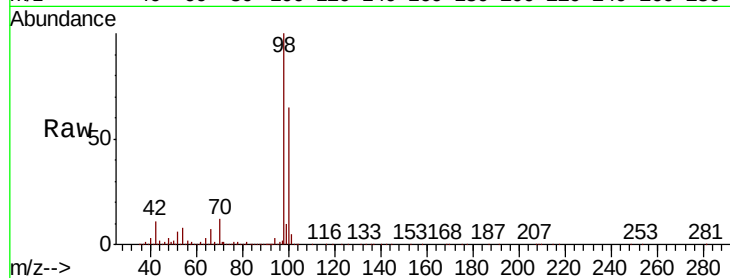
I-OC-6DL

Tot Ion: 98 Resp: 1137668

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 46.783 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

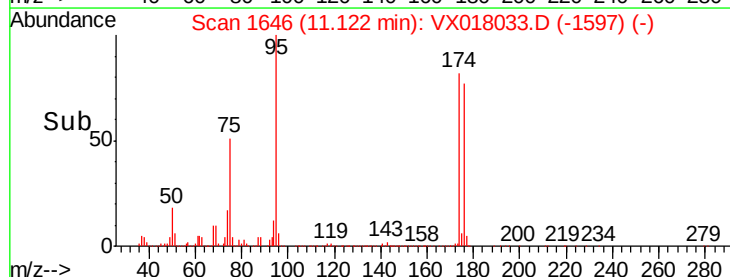
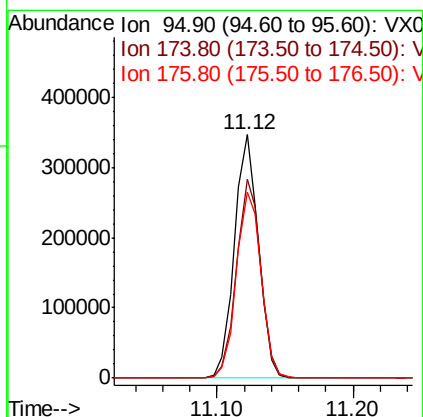
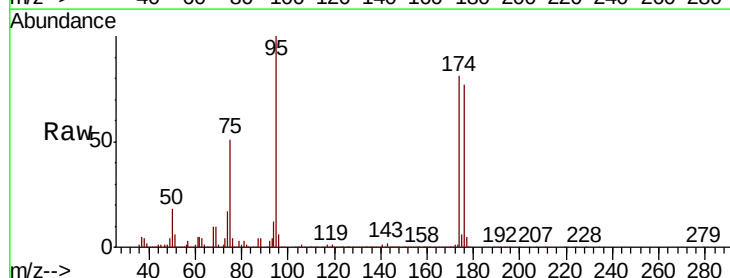
Tgt Ion: 95 Resp: 425783

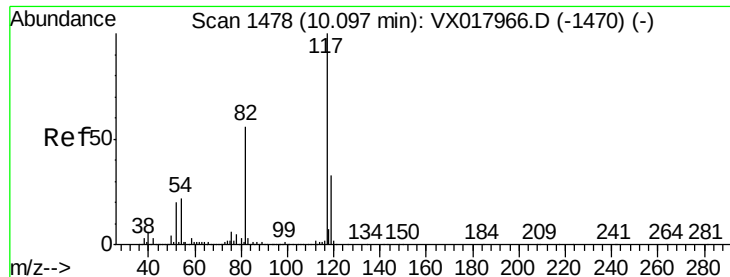
Ion Ratio Lower Upper

95 100

174 82.0 0.0 166.0

176 78.9 0.0 161.0

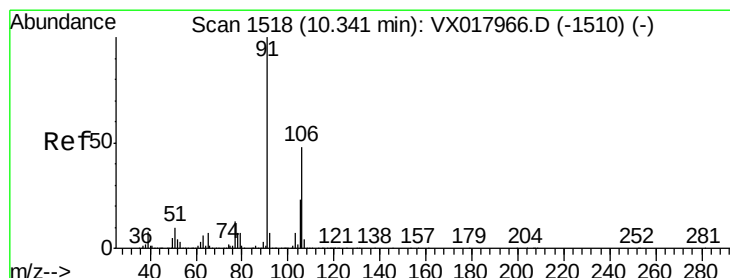
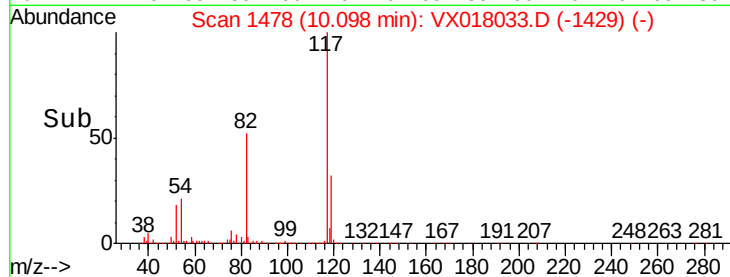
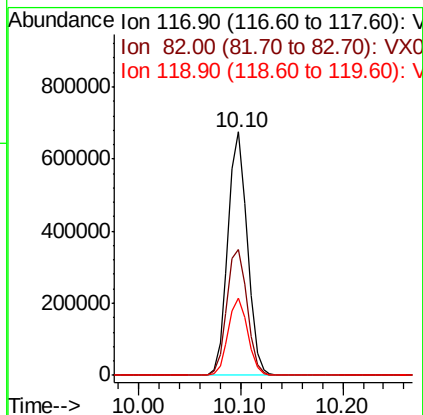
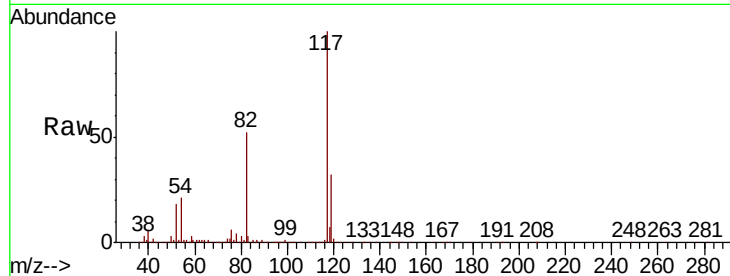




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018033.D
Acq: 20 Aug 2020 14:33

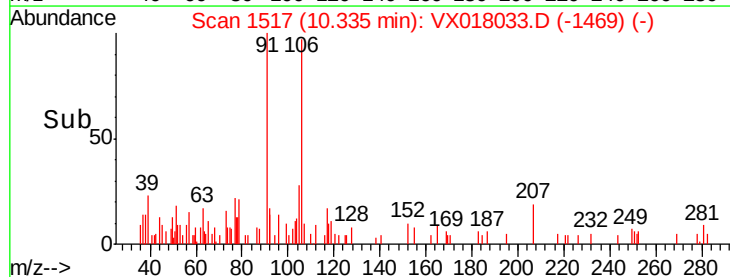
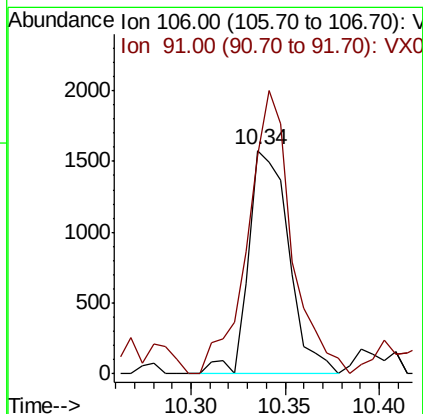
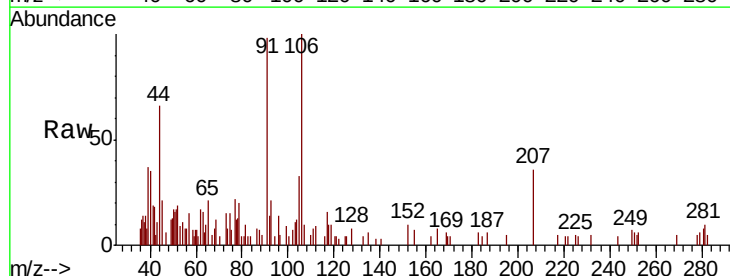
Instrument :
MSVOA_X
ClientSampled :
I-OC-6DL

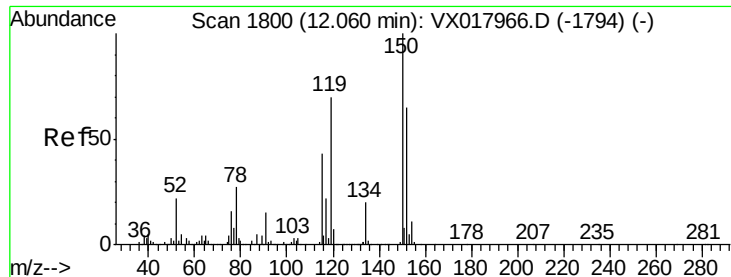
Tot Ion:117 Resp: 887608
Ion Ratio Lower Upper
117 100
82 51.9 44.6 66.8
119 31.8 26.2 39.4



#68
m/p-Xylenes
Concen: 0.209 ug/l
RT: 10.34 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VX018033.D
Acq: 20 Aug 2020 14:33

Tgt Ion:106 Resp: 2338
Ion Ratio Lower Upper
106 100
91 138.1 167.4 251.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampled :

I-OC-6DL

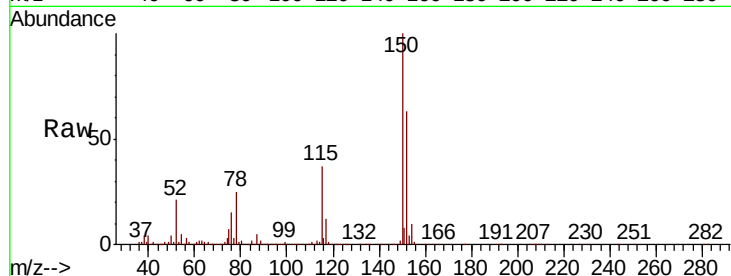
Tot Ion:152 Resp: 446402

Ion Ratio Lower Upper

152 100

115 56.8 40.6 121.7

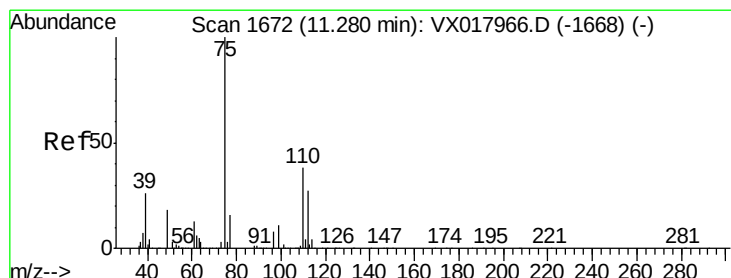
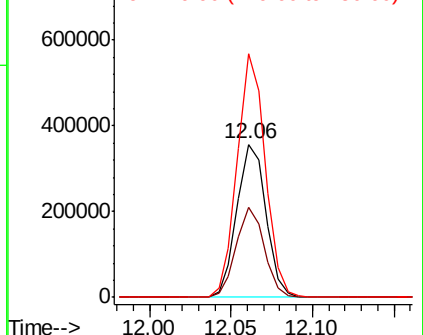
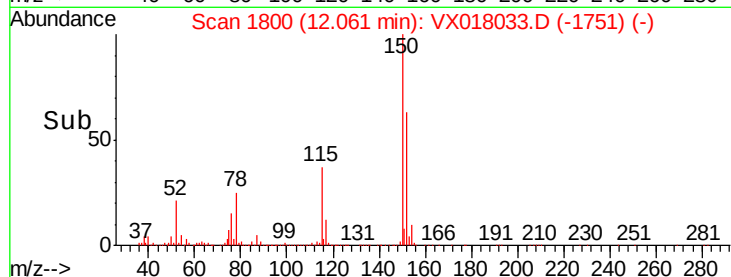
150 153.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.728 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018033.D

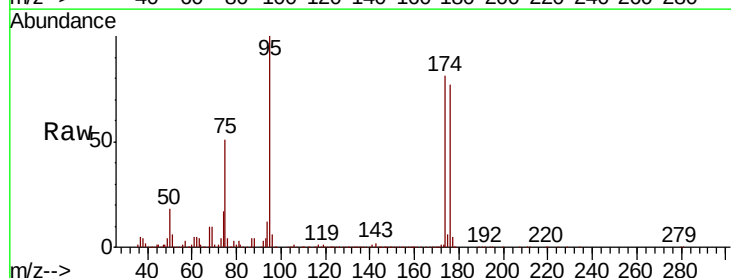
Acq: 20 Aug 2020 14:33

Tgt Ion: 75 Resp: 215768

Ion Ratio Lower Upper

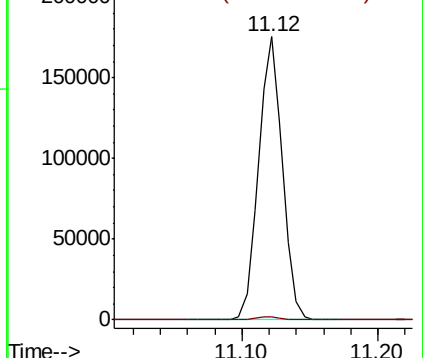
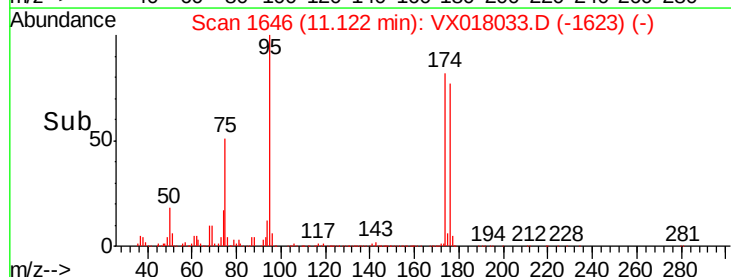
75 100

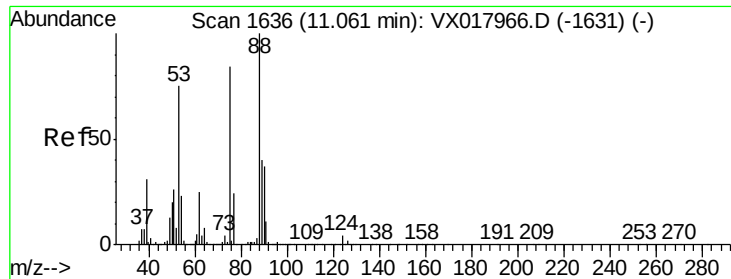
77 1.3 21.1 63.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.710 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

I-OC-6DL

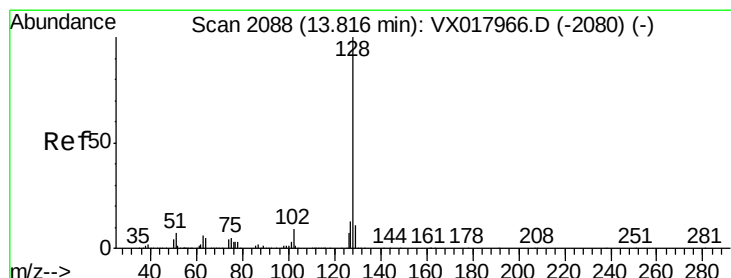
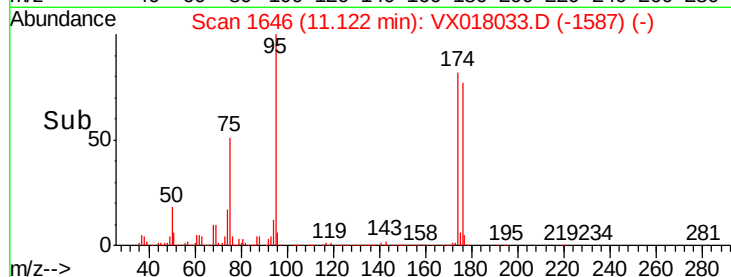
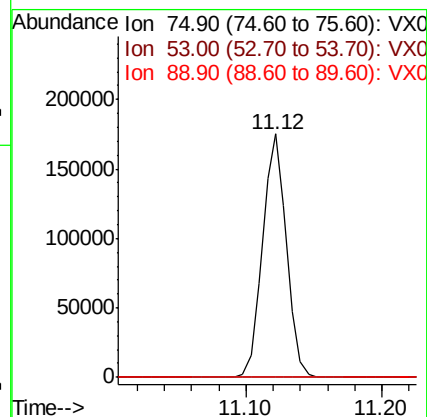
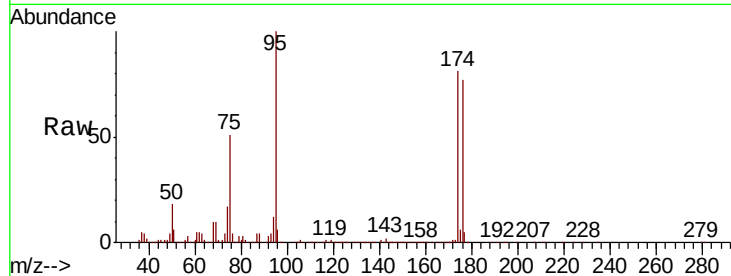
Tot Ion: 75 Resp: 215768

Ion Ratio Lower Upper

75 100

53 0.2 75.2 112.8#

89 0.0 38.4 57.6#



#95

Naphthalene

Concen: 5.302 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018033.D

Acq: 20 Aug 2020 14:33

Tgt Ion: 128 Resp: 147482

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 11.9 8.6 13.0

