

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013718.D
 Acq On : 03 Dec 2019 12:30
 Operator : JC/SP
 Sample : VX1203WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 03 14:37:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	695310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1071046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	955281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	433730	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	389756	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	5.49	113	325562	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	8.71	98	1257823	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.14	95	429258	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

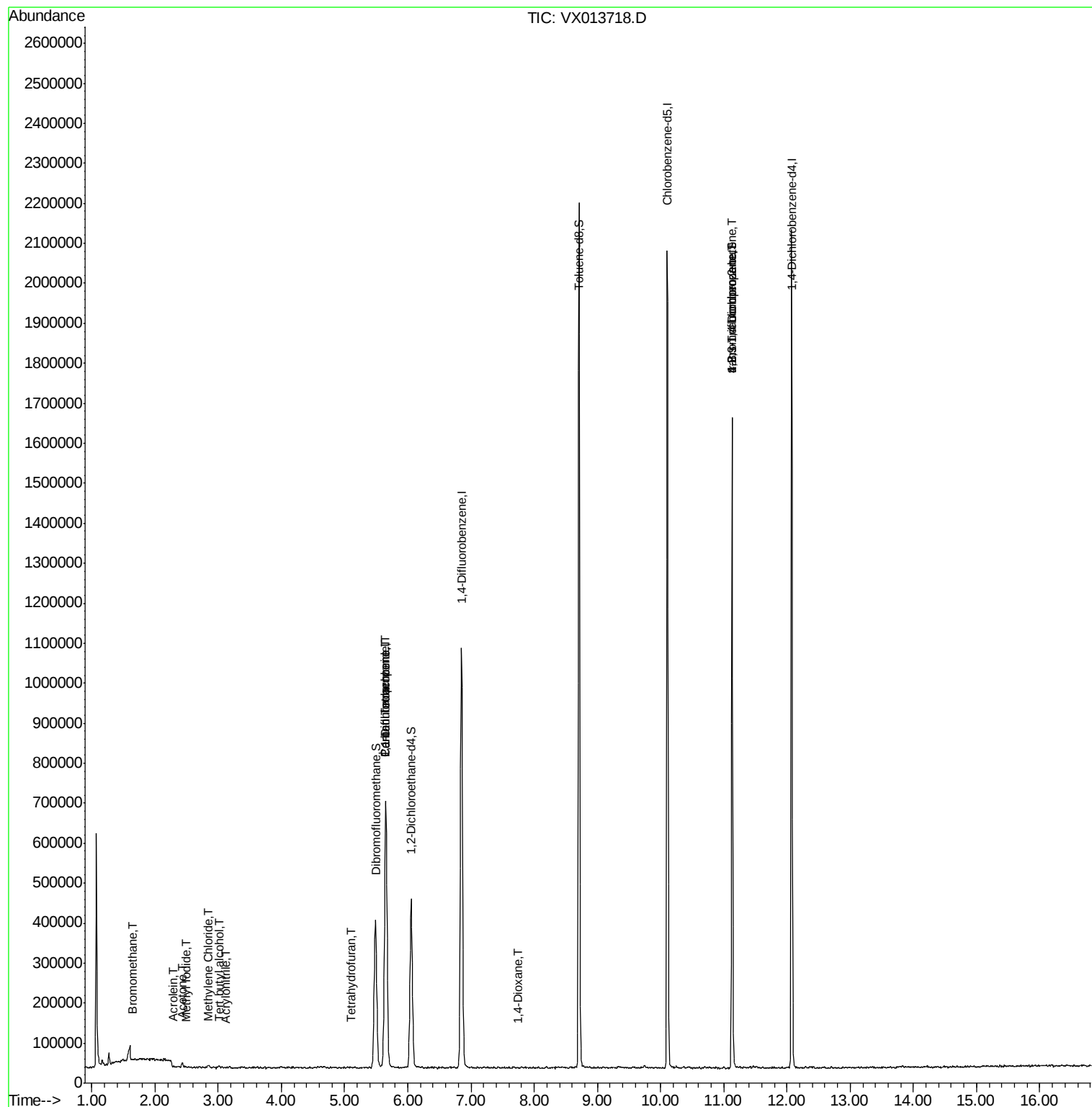
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1921	0.293	ug/l #	57
10) Methyl Iodide	2.50	142	1664	0.208	ug/l #	49
11) Tert butyl alcohol	3.01	59	3727	1.871	ug/l #	64
13) Acrolein	2.28	56	237	6.177	ug/l #	82
15) Acrylonitrile	3.12	53	1860	0.452	ug/l #	33
16) Acetone	2.43	43	13365	3.354	ug/l #	86
20) Methylene Chloride	2.84	84	4241	0.554	ug/l #	78
29) Tetrahydrofuran	5.11	42	955	0.262	ug/l #	32
36) 1,1-Dichloropropene	5.65	75	48421	4.980	ug/l #	52
38) Carbon Tetrachloride	5.65	117	60028	6.696	ug/l #	14
49) 1,4-Dioxane	7.75	88	293	1.500	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	213368	21.872	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	213368	59.838	ug/l #	11

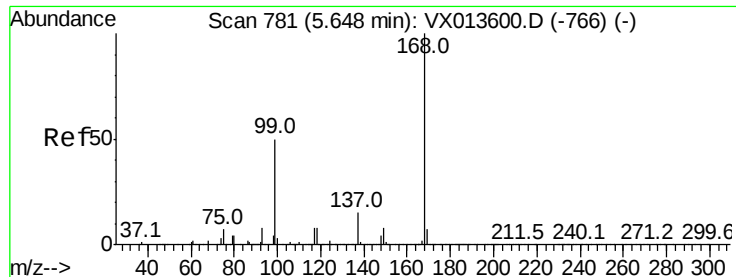
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

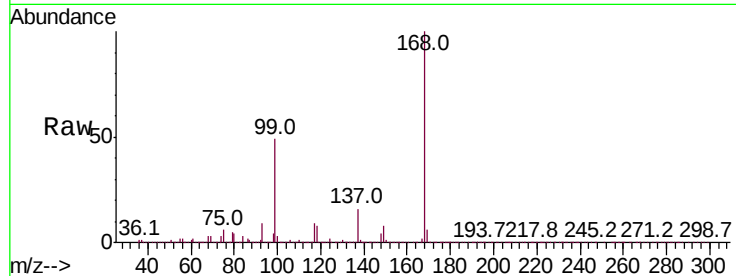
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 695310

Ion Ratio Lower Upper

168 100

99 48.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

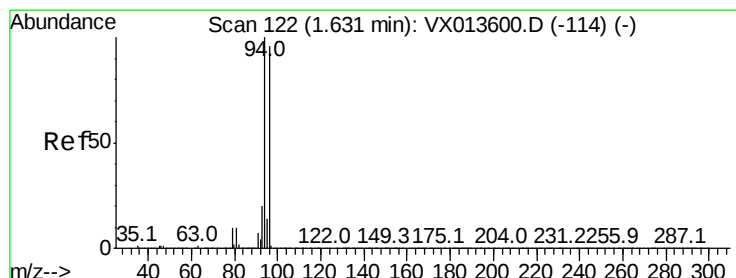
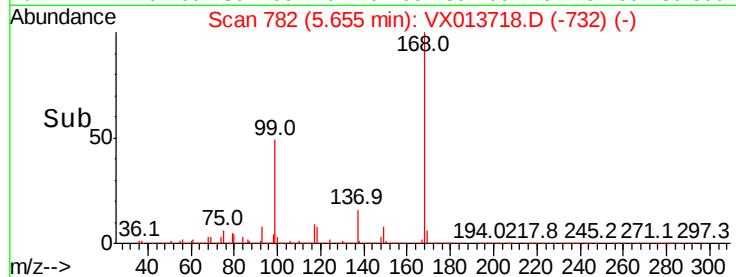
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.293 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013718.D

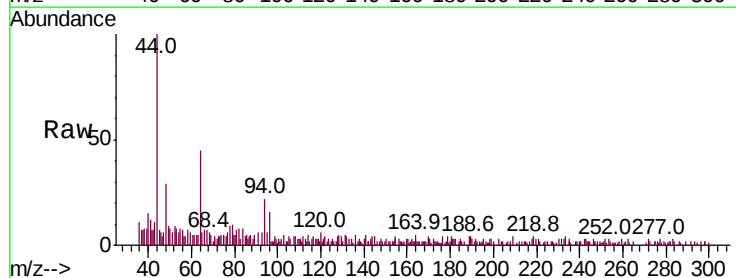
Acq: 03 Dec 2019 12:30

Tgt Ion: 94 Resp: 1921

Ion Ratio Lower Upper

94 100

96 54.2 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

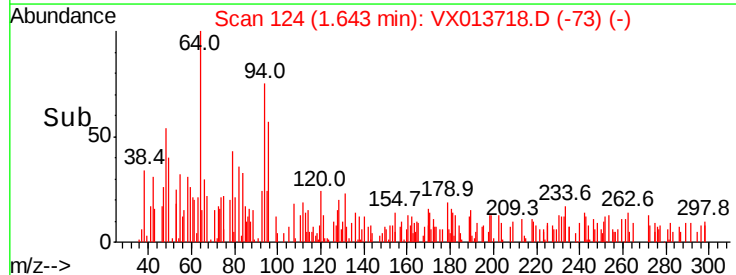
600

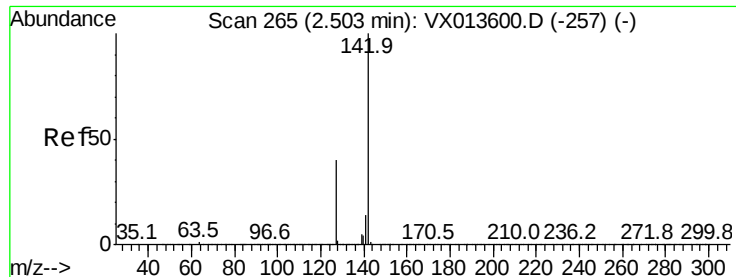
400

200

0

Time--> 1.60 1.65 1.70

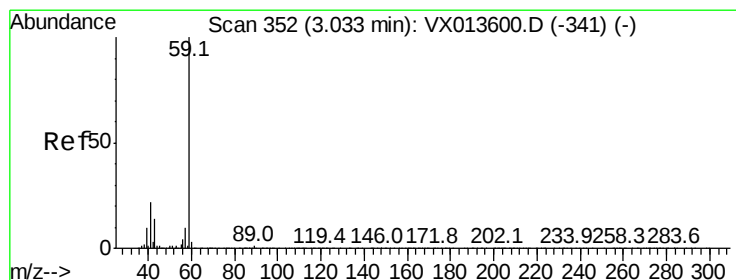
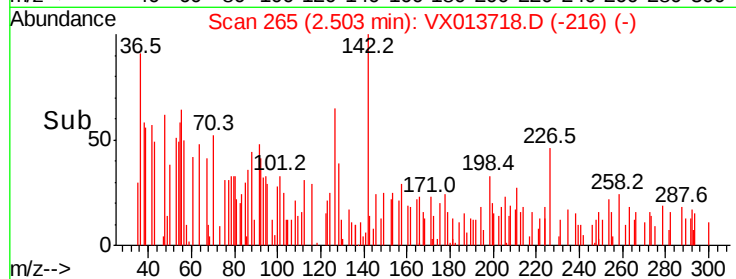
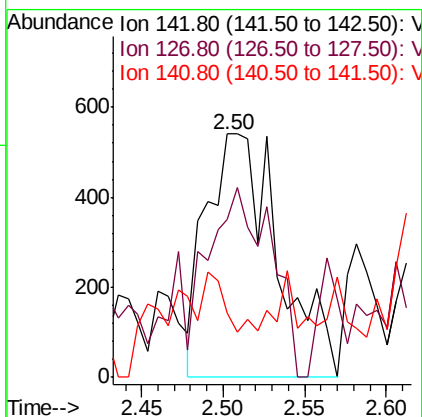
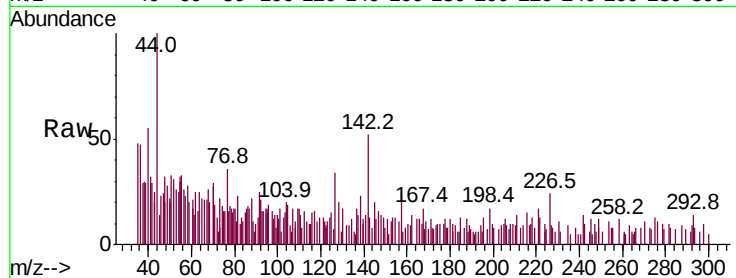




#10
Methvl Iodide
Concen: 0.208 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013718.D
Acq: 03 Dec 2019 12:30

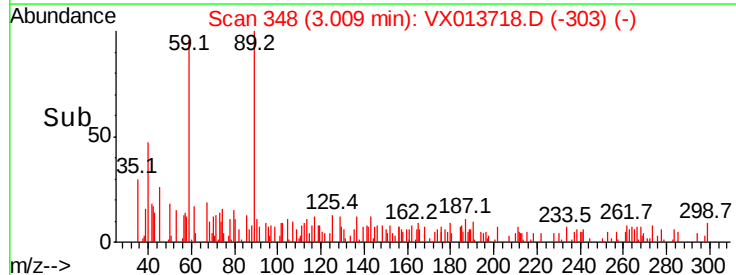
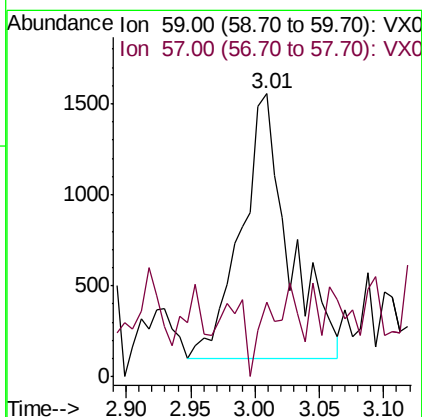
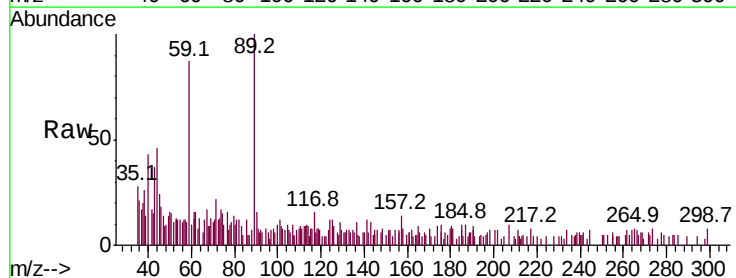
Instrument :
MSVOA_X
ClientSampleId :

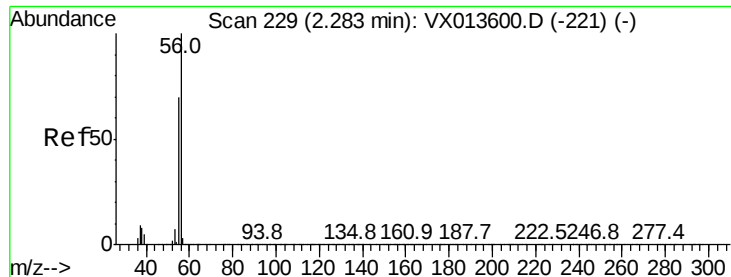
Tot Ion:142 Resp: 1664
Ion Ratio Lower Upper
142 100
127 68.0 31.0 46.4#
141 38.1 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.871 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013718.D
Acq: 03 Dec 2019 12:30

Tgt Ion: 59 Resp: 3727
Ion Ratio Lower Upper
59 100
57 22.9 7.8 11.6#

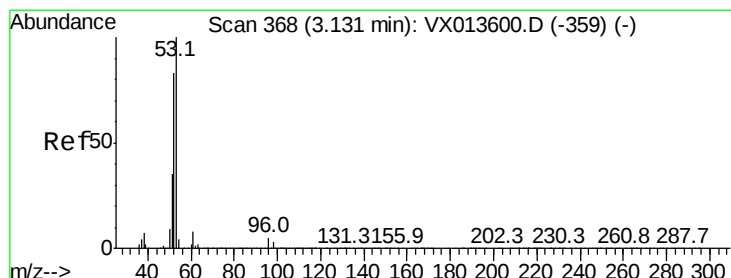
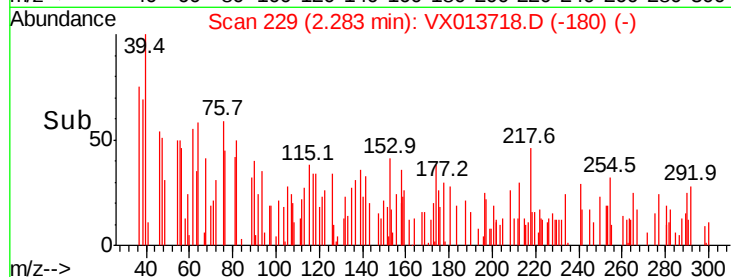
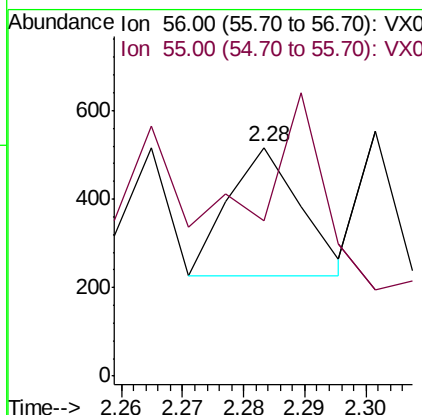
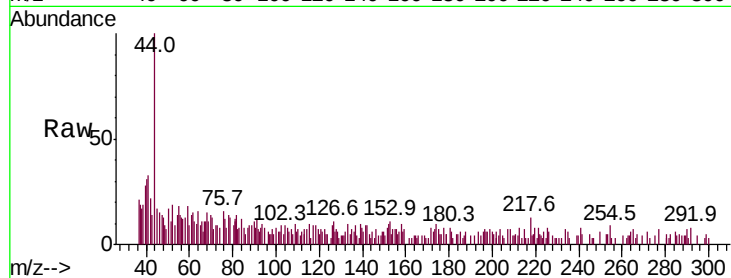




#13
Acrolein
Concen: 6.177 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013718.D
Acq: 03 Dec 2019 12:30

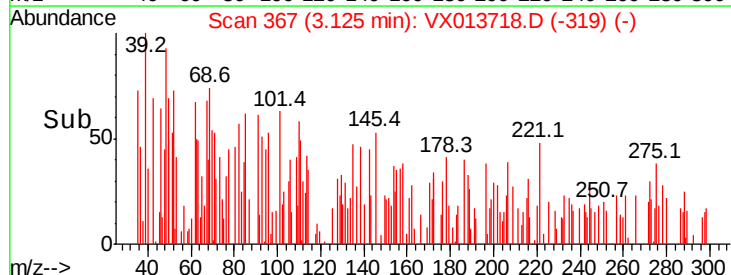
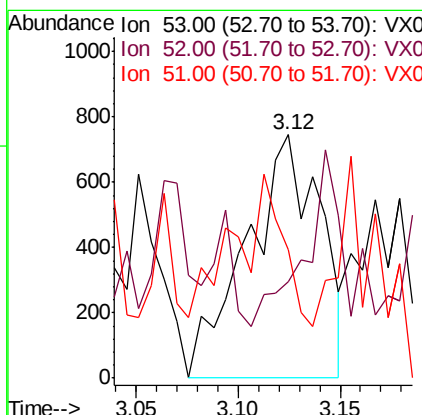
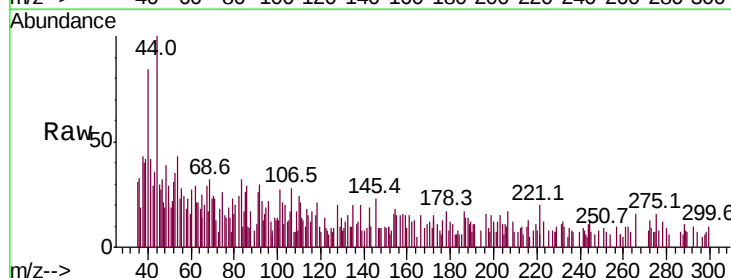
Instrument :
MSVOA_X
ClientSampled :

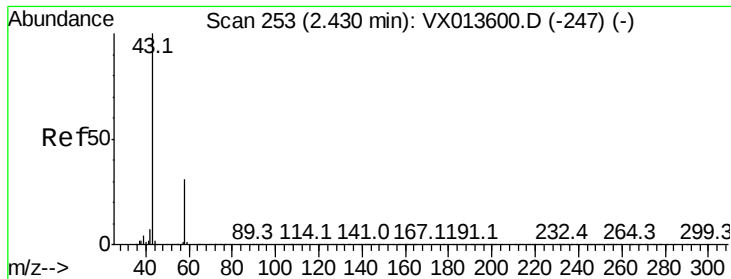
Tot Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 84.8 56.2 84.4#



#15
Acrylonitrile
Concen: 0.452 ug/l
RT: 3.12 min Scan# 367
Delta R.T. -0.01 min
Lab File: VX013718.D
Acq: 03 Dec 2019 12:30

Tgt Ion: 53 Resp: 1860
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 41.6 29.0 43.6

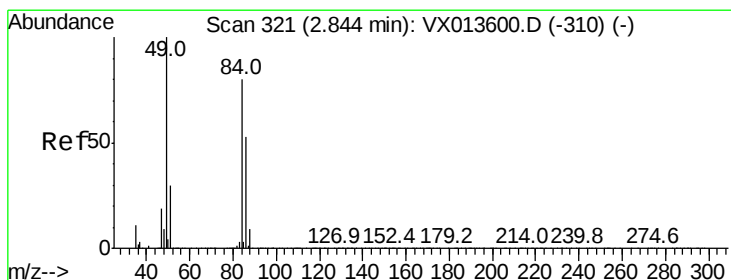
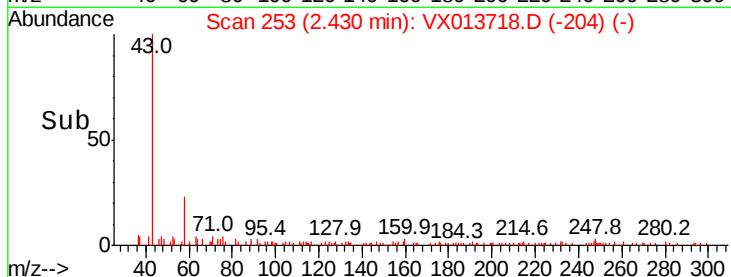
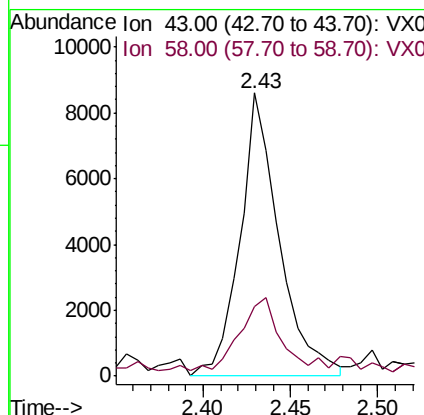
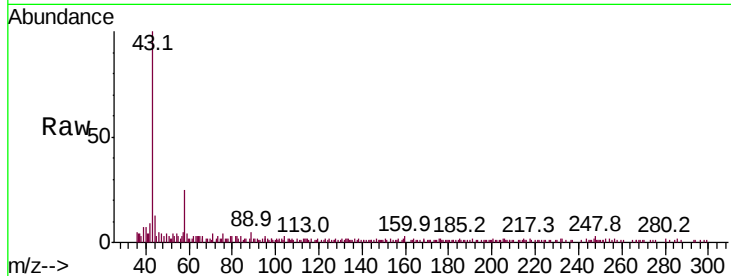




#16
Acetone
Concen: 3.354 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013718.D
Acq: 03 Dec 2019 12:30

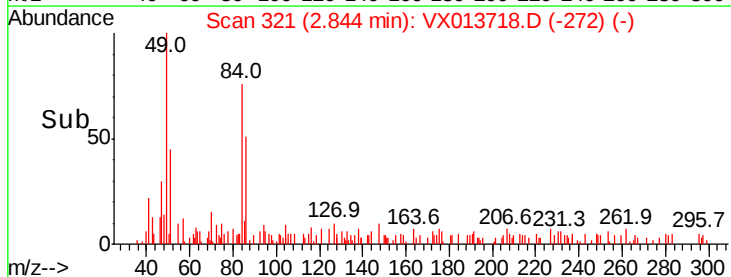
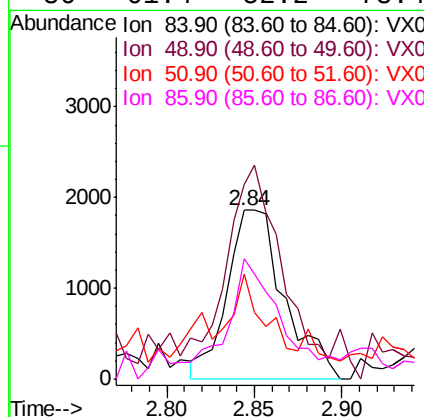
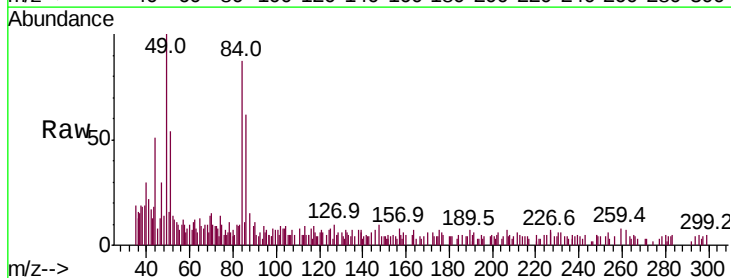
Instrument :
MSVOA_X
ClientSampleId :

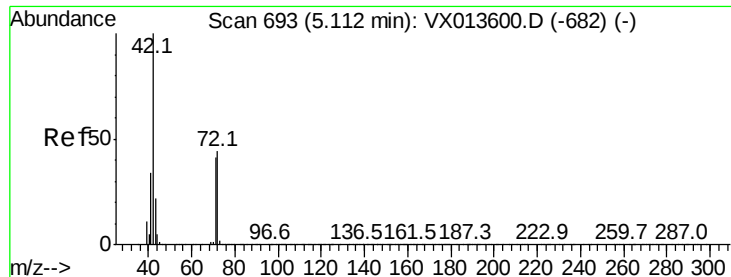
Tot Ion: 43 Resp: 13365
Ion Ratio Lower Upper
43 100
58 22.8 24.6 36.8#



#20
Methylene Chloride
Concen: 0.554 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013718.D
Acq: 03 Dec 2019 12:30

Tgt Ion: 84 Resp: 4241
Ion Ratio Lower Upper
84 100
49 90.8 99.7 149.5#
51 51.2 29.9 44.9#
86 61.4 52.2 78.4

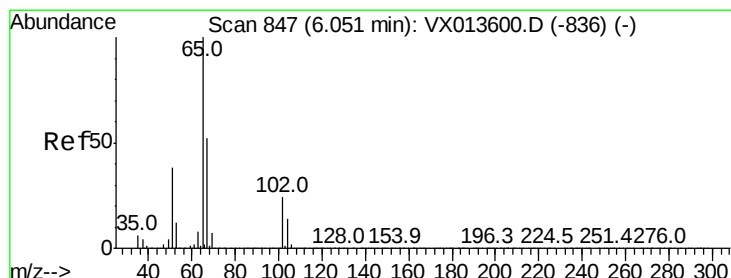
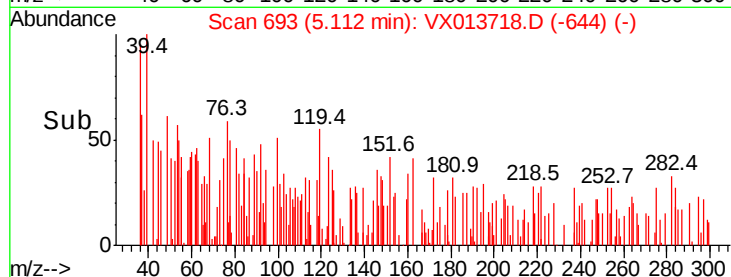
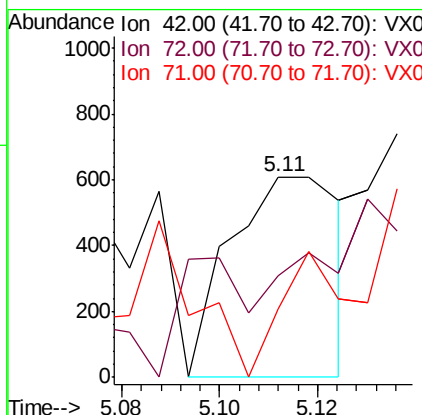
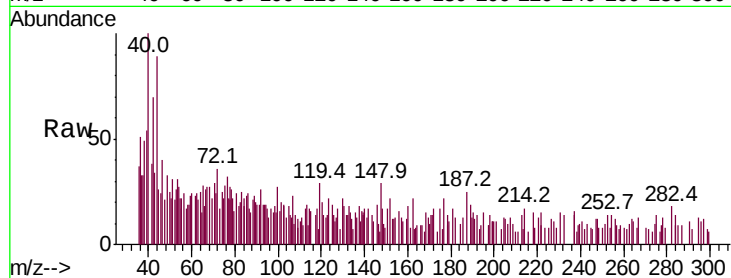




#29
Tetrahydrofuran
Concen: 0.262 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX013718.D
Acq: 03 Dec 2019 12:30

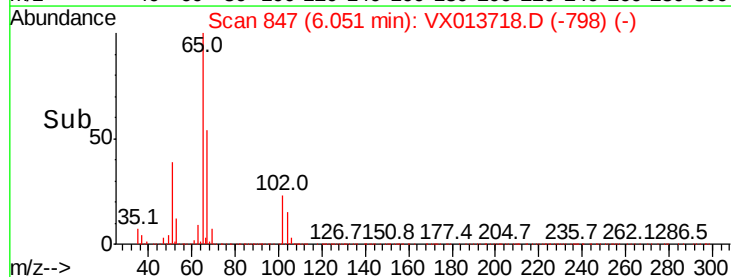
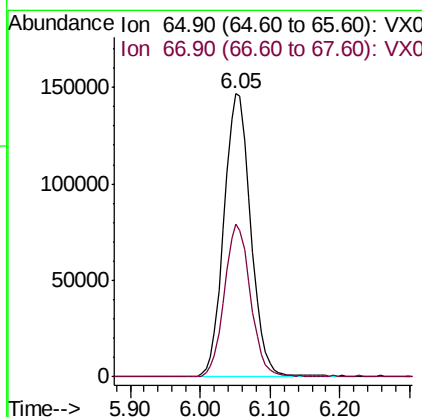
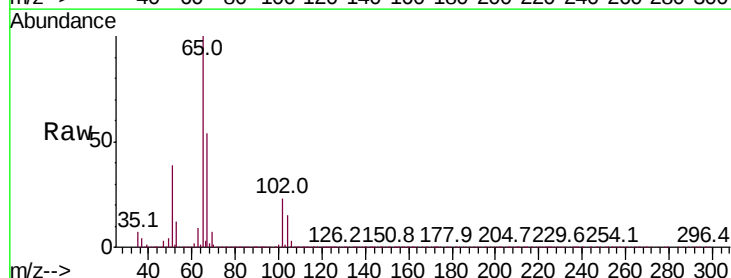
Instrument :
MSVOA_X
ClientSampleId :

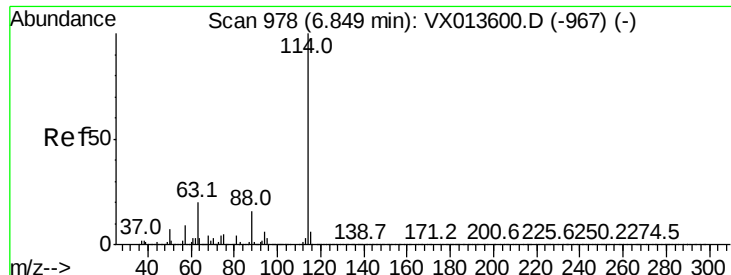
Tot Ion: 42 Resp: 955
Ion Ratio Lower Upper
42 100
72 0.0 36.3 54.5#
71 0.0 33.2 49.8#



#33
1,2-Dichloroethane-d4
Concen: 48.291 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013718.D
Acq: 03 Dec 2019 12:30

Tgt Ion: 65 Resp: 389756
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

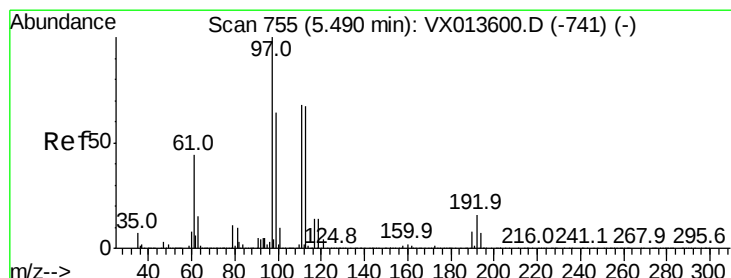
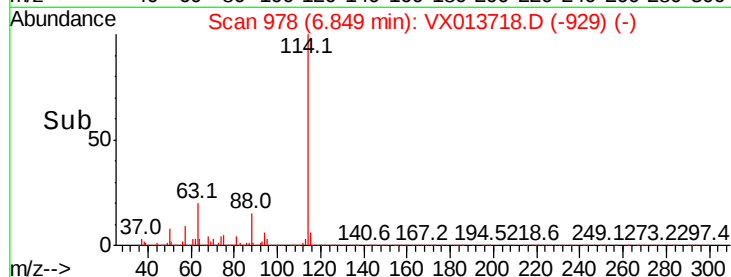
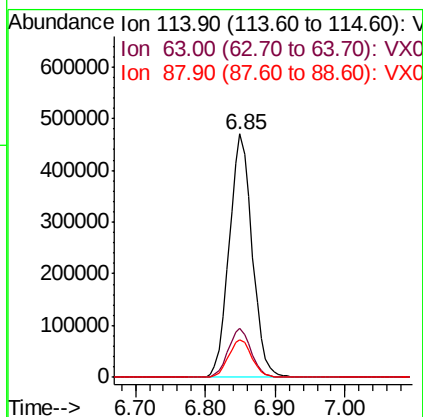
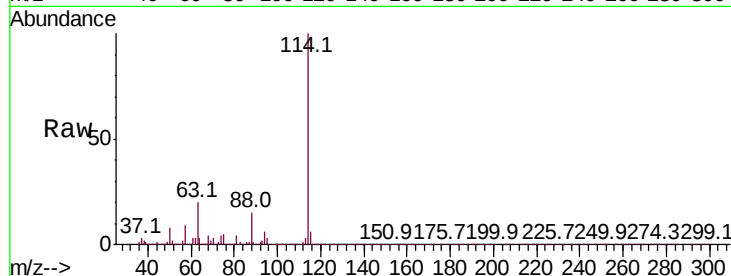
Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 1071046

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.6
88	15.5	0.0	31.4



#35

Dibromofluoromethane

Concen: 49.169 ug/l

RT: 5.49 min Scan# 755

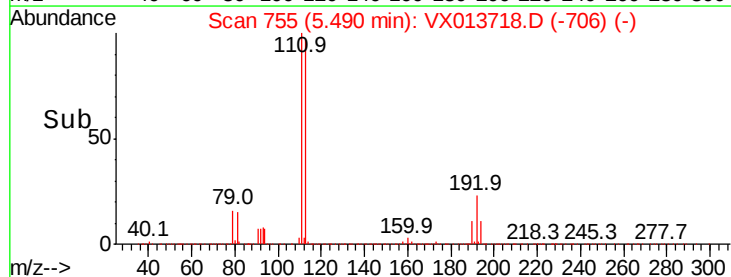
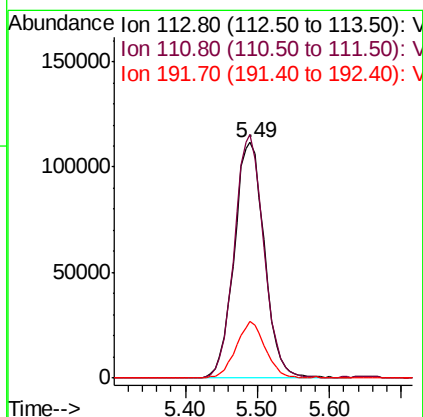
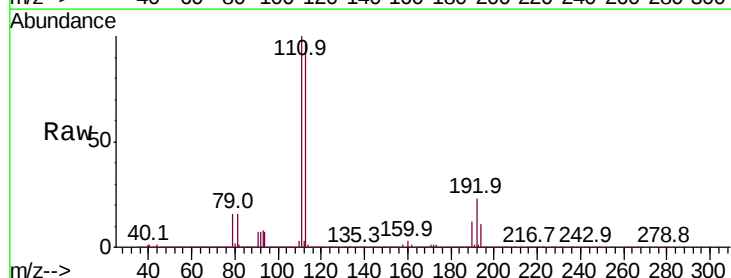
Delta R.T. 0.00 min

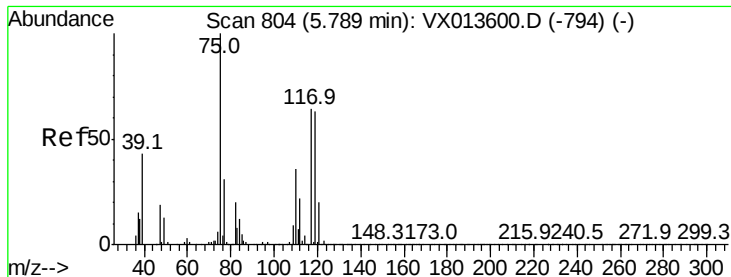
Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

Tgt Ion:113 Resp: 325562

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.6	125.4
192	23.3	19.2	28.8





#36

1,1-Dichloropropene

Concen: 4.980 ug/l

RT: 5.65 min Scan# 781

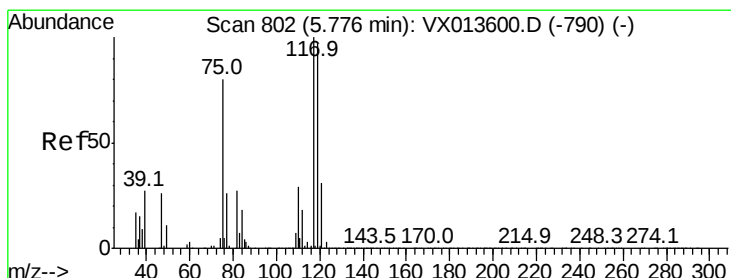
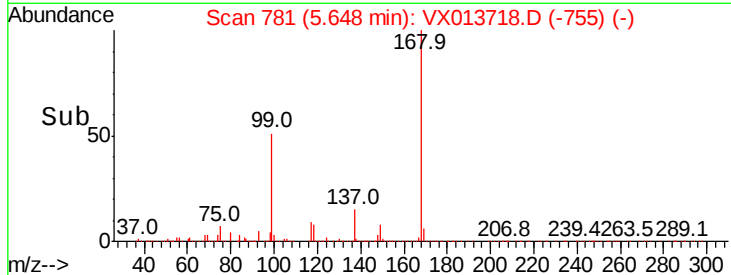
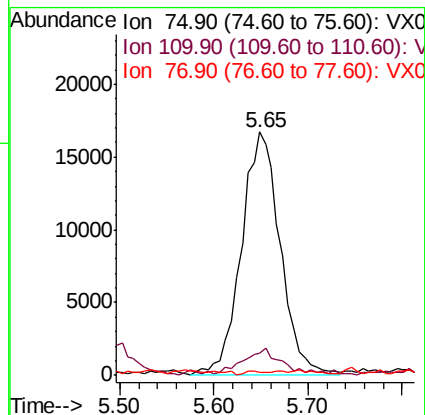
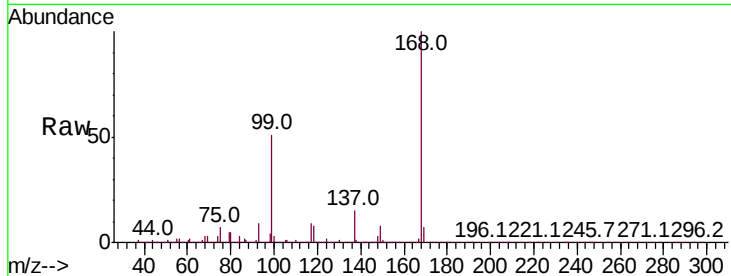
Delta R.T. -0.14 min

Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	48421
Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.1	54.1#
77	0.9	24.5	36.7#



#38

Carbon Tetrachloride

Concen: 6.696 ug/l

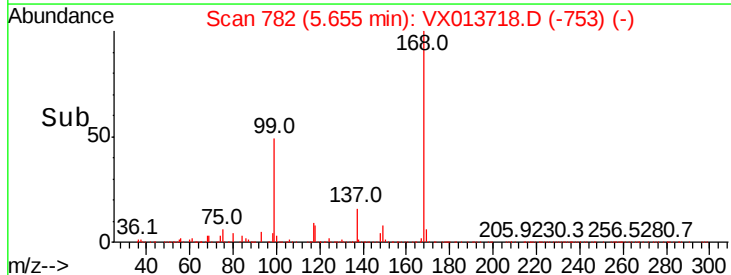
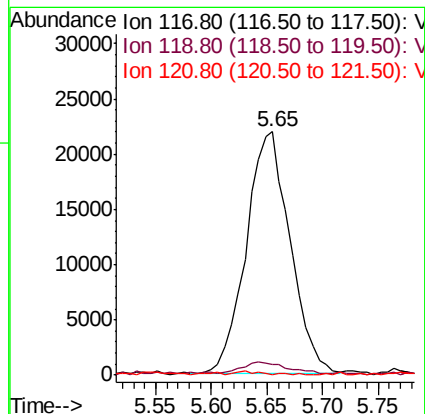
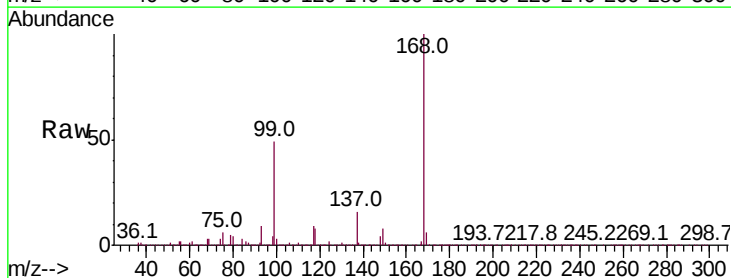
RT: 5.65 min Scan# 782

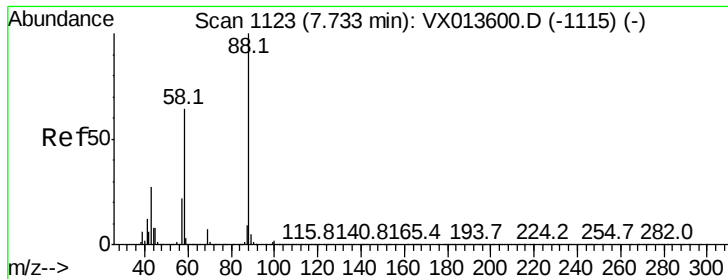
Delta R.T. -0.12 min

Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

Tgt Ion:	117	Resp:	60028
Ion	Ratio	Lower	Upper
117	100		
119	3.2	77.5	116.3#
121	0.0	25.0	37.6#





#49

1,4-Dioxane

Concen: 1.500 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

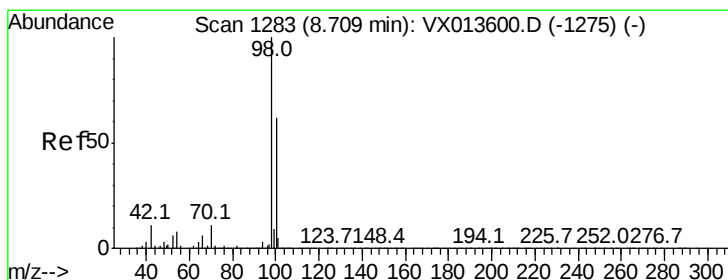
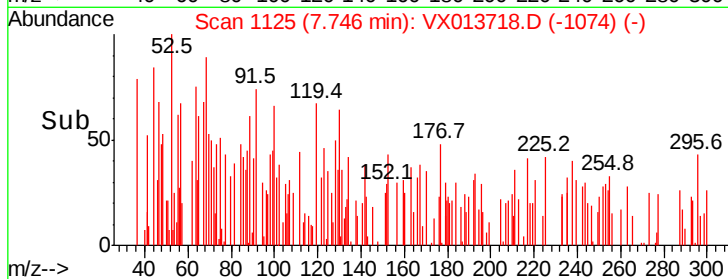
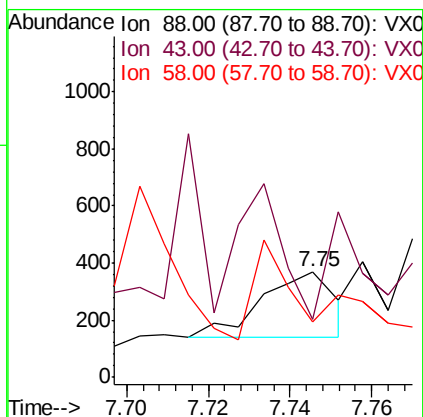
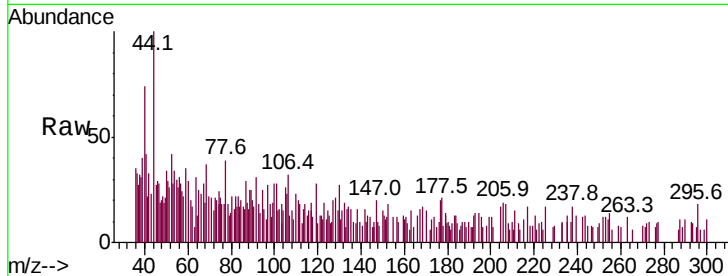
Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 293

Ion	Ratio	Lower	Upper
88	100		
43	106.8	25.8	38.6#
58	74.1	54.6	82.0



#50

Toluene-d8

Concen: 48.758 ug/l

RT: 8.71 min Scan# 1283

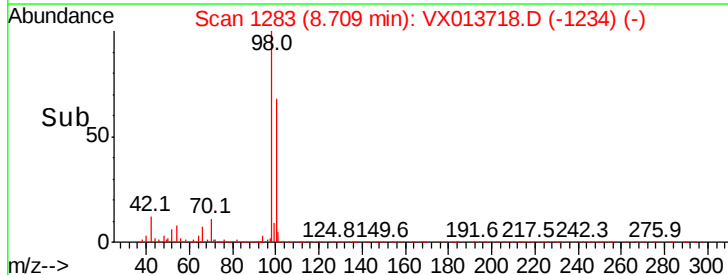
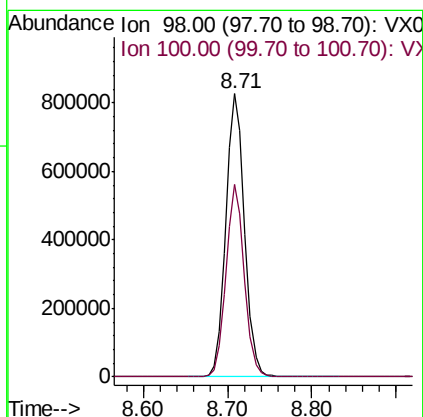
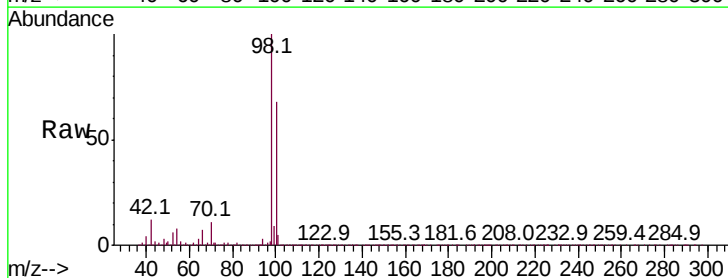
Delta R.T. 0.00 min

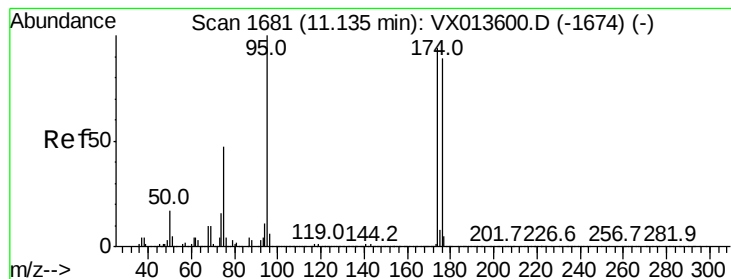
Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

Tgt Ion: 98 Resp: 1257823

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7





#62

4-Bromofluorobenzene

Concen: 46.144 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

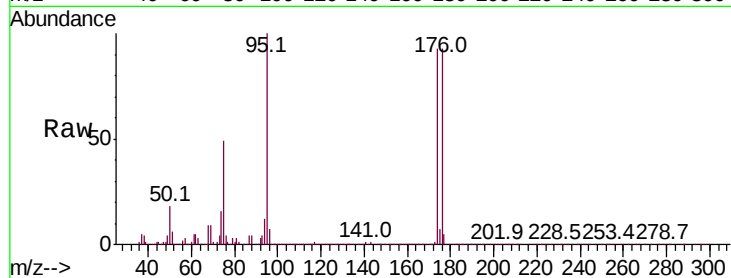
Tot Ion: 95 Resp: 429258

Ion Ratio Lower Upper

95 100

174 89.3 0.0 180.0

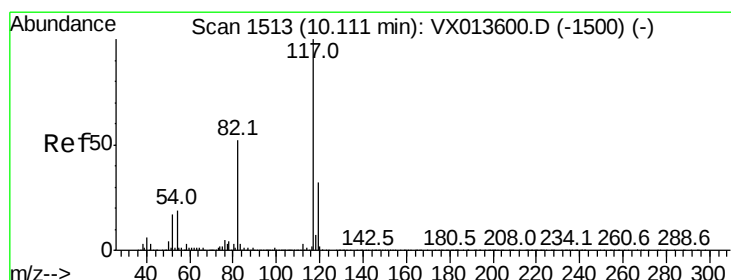
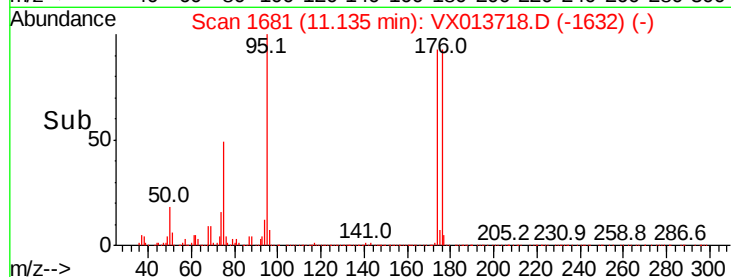
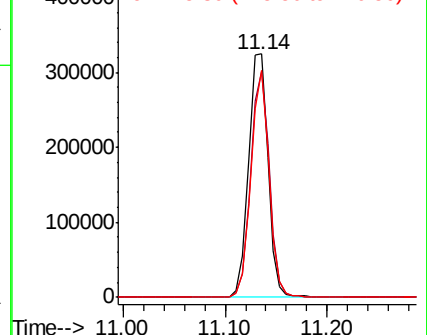
176 87.2 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

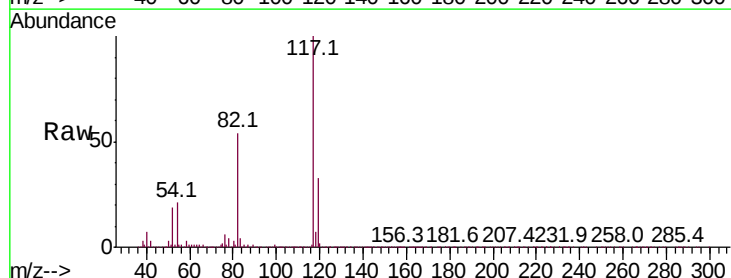
Tgt Ion: 117 Resp: 955281

Ion Ratio Lower Upper

117 100

82 54.4 41.8 62.8

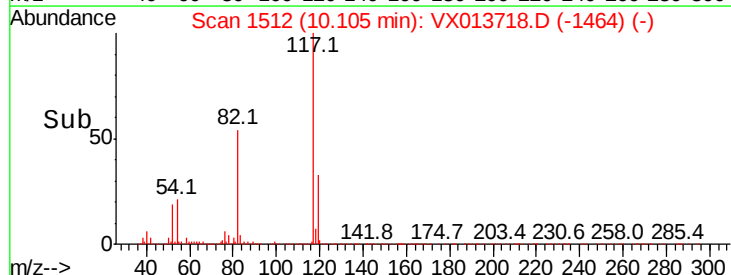
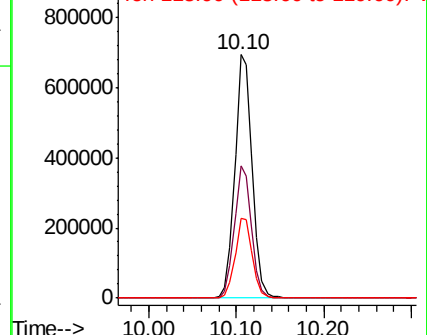
119 32.5 25.8 38.8

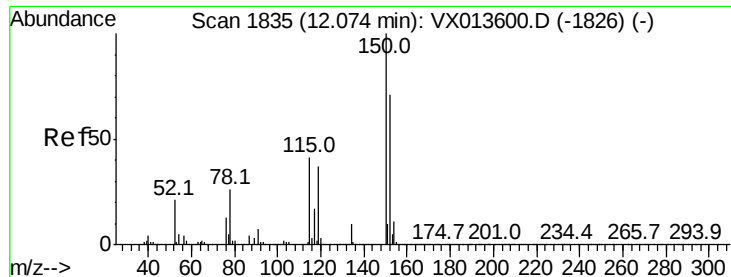


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

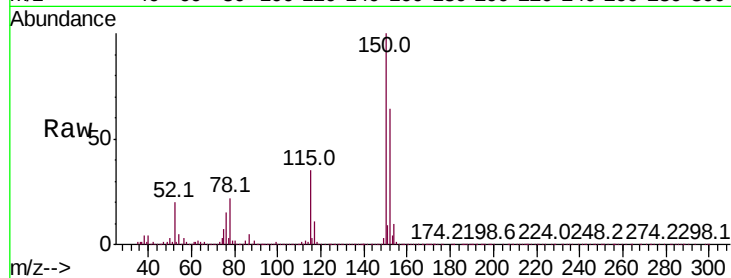
Tot Ion:152 Resp: 433730

Ion Ratio Lower Upper

152 100

115 55.6 38.4 115.1

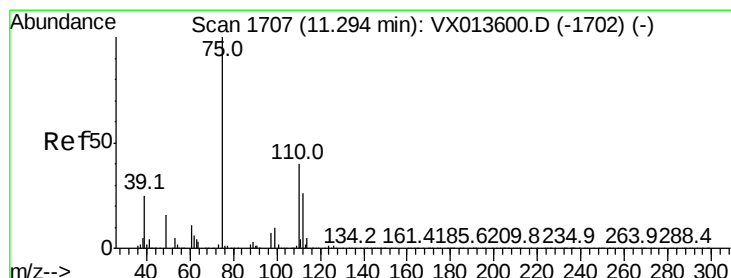
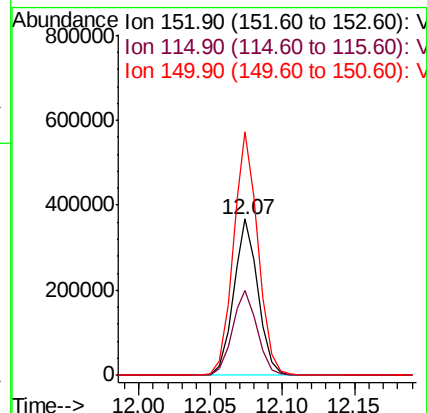
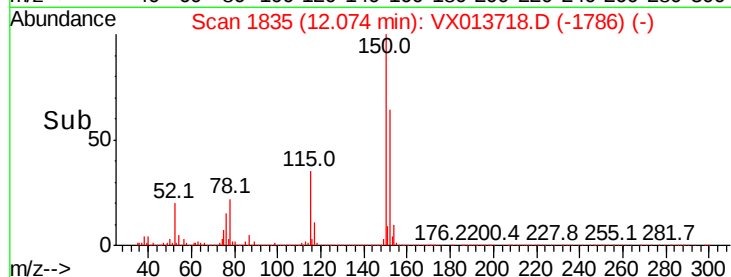
150 157.3 0.0 346.8



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: 21.872 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013718.D

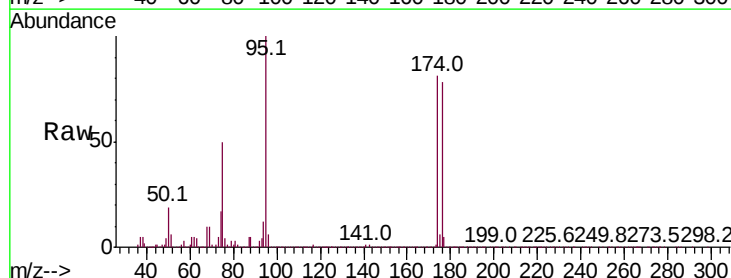
Acq: 03 Dec 2019 12:30

Tgt Ion: 75 Resp: 213368

Ion Ratio Lower Upper

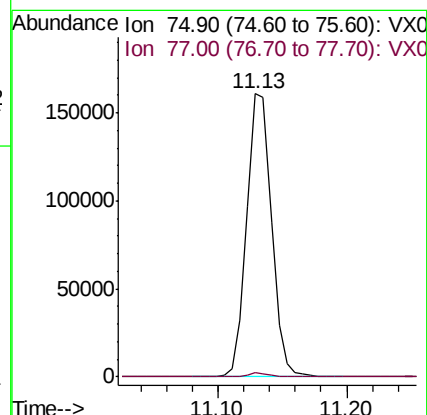
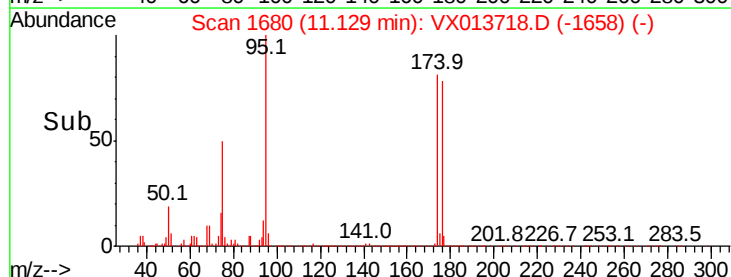
75 100

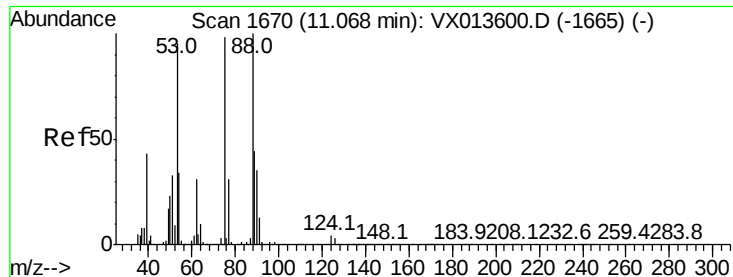
77 1.1 19.1 57.5#



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: 59.838 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013718.D

Acq: 03 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 213368

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.1 35.4 53.2#

