

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\
 Data File : VX014541.D
 Acq On : 10 Jan 2020 16:45
 Operator : JC/SP
 Sample : L1080-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Jan 10 23:36:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	494533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	765937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	695627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	313396	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	271741	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
35) Dibromofluoromethane	5.49	113	227507	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	8.71	98	902873	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	308623	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	

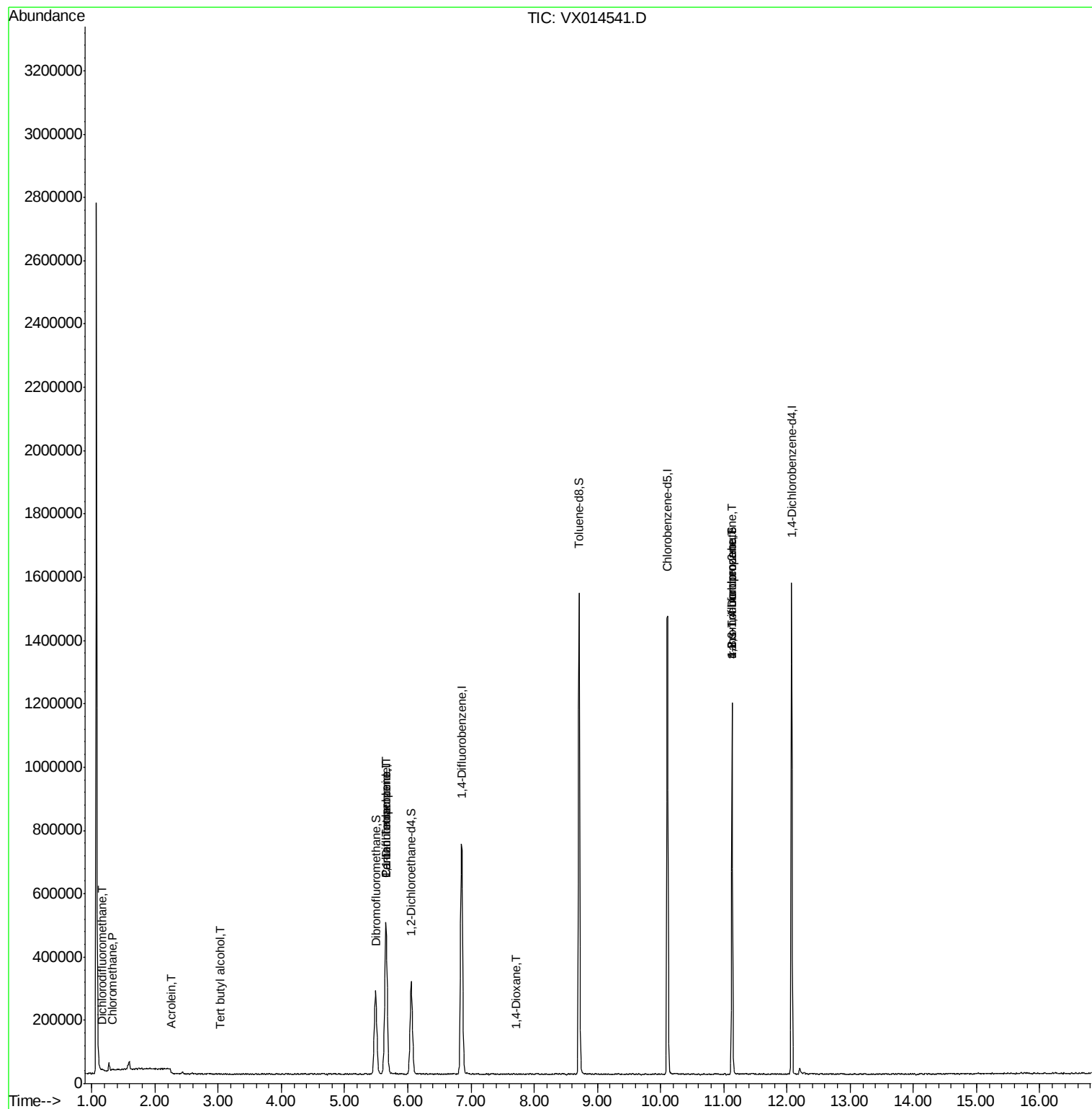
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	101	0.269	ug/l #	1
3) Chloromethane	1.32	50	1316	0.209	ug/l #	81
6) Chloroethane	1.70	64	639	Below Cal	#	73
11) Tert butyl alcohol	3.04	59	663	0.575	ug/l #	1
13) Acrolein	2.27	56	217	0.235	ug/l #	62
16) Acetone	2.43	43	6985	Below Cal		90
36) 1,1-Dichloropropene	5.65	75	34285	4.760	ug/l #	52
38) Carbon Tetrachloride	5.65	117	41980	6.333	ug/l #	18
49) 1,4-Dioxane	7.72	88	363	2.830	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	150032	23.138	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	150032	61.173	ug/l #	12
88) 1,4-Dichlorobenzene	12.07	146	790	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.63	180	216	Below Cal	#	1
96) 1,2,3-Trichlorobenzene	14.11	180	367	Below Cal		80

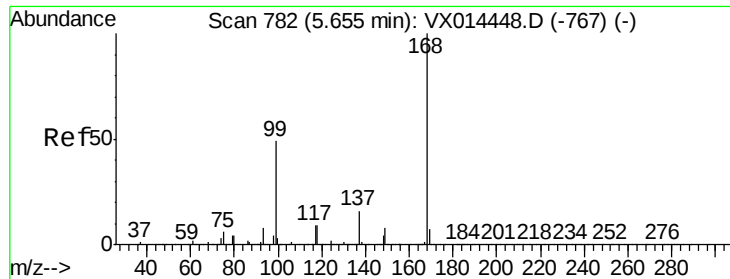
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
Data File : VX014541.D
Acq On : 10 Jan 2020 16:45
Operator : JC/SP
Sample : L1080-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Time: Jan 10 23:36:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration



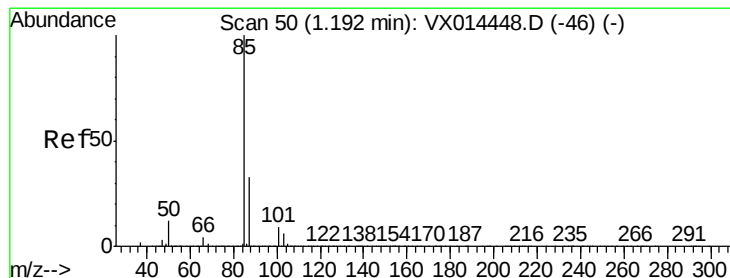
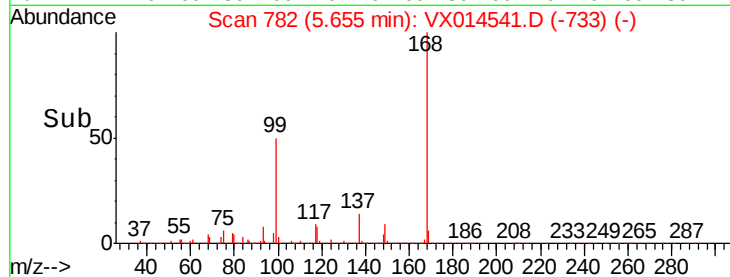
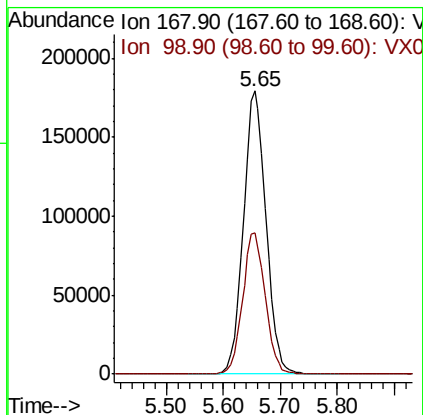
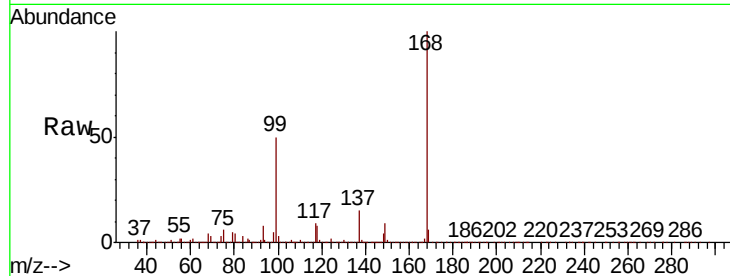


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX014541.D
 Acq: 10 Jan 2020 16:45

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

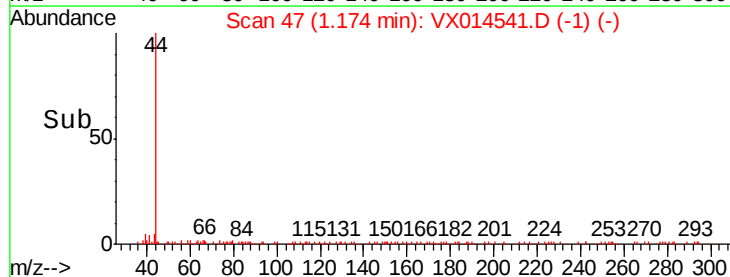
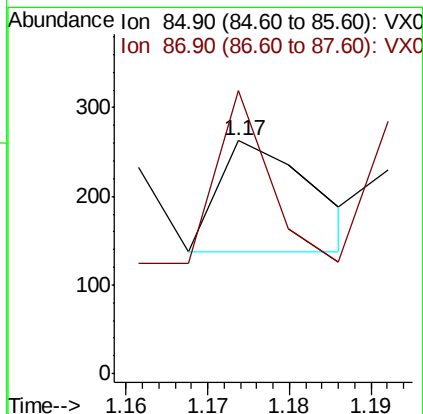
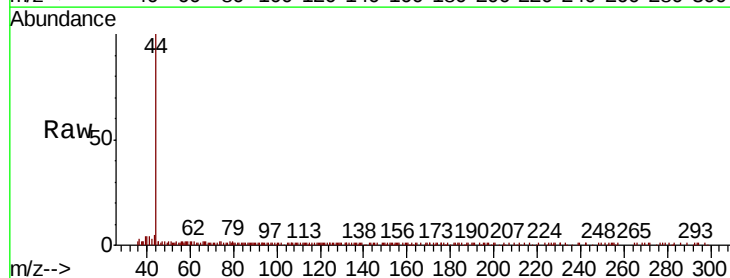
Tot Ion:168 Resp: 494533
 Ion Ratio Lower Upper
 168 100
 99 49.7 39.2 58.8

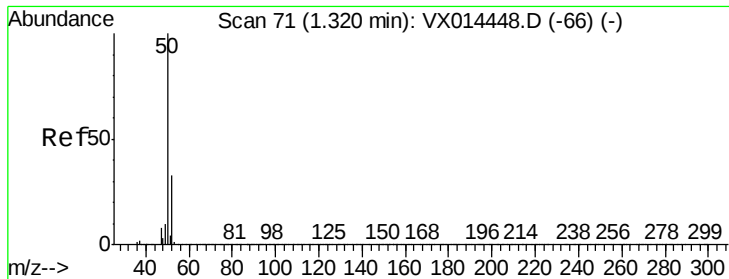


#2

Dichlorodifluoromethane
 Concen: 0.269 ug/l
 RT: 1.17 min Scan# 47
 Delta R.T. -0.02 min
 Lab File: VX014541.D
 Acq: 10 Jan 2020 16:45

Tgt Ion: 85 Resp: 101
 Ion Ratio Lower Upper
 85 100
 87 154.8 16.5 49.5#





#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

Instrument :

MSVOA_X

ClientSampleId :

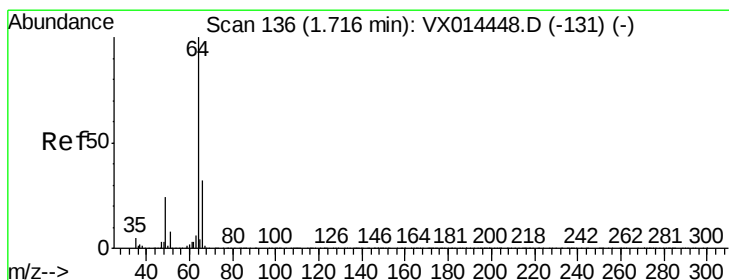
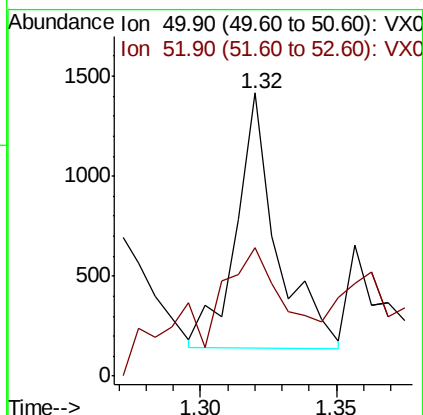
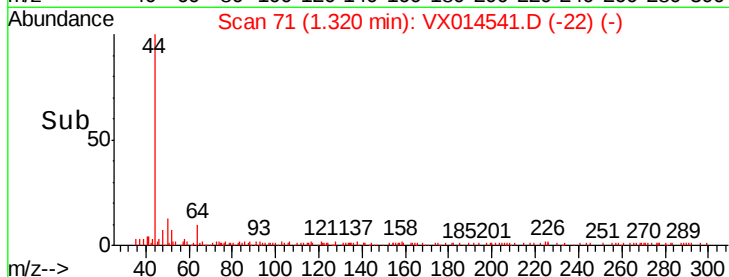
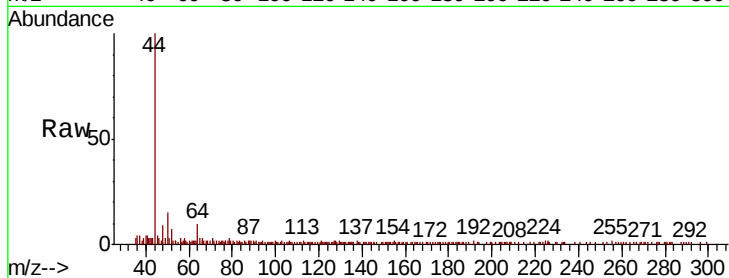
MW-4

Tot Ion: 50 Resp: 1316

Ion Ratio Lower Upper

50 100

52 22.2 26.1 39.1#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX014541.D

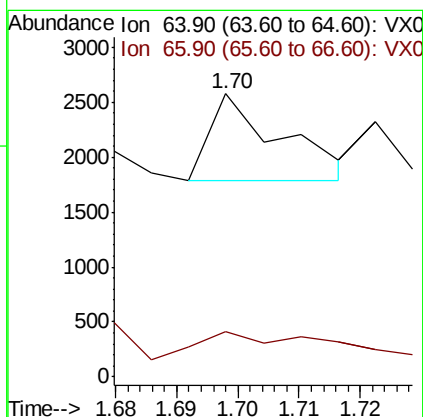
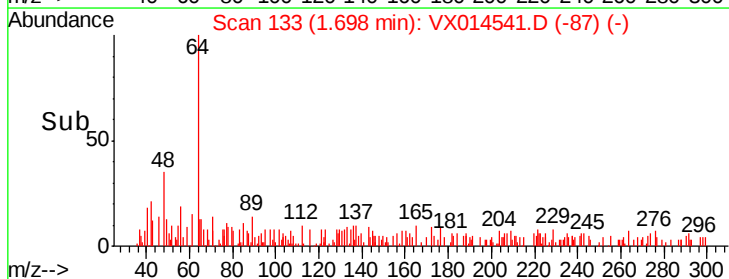
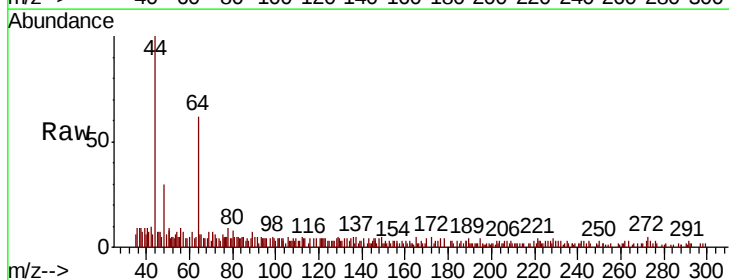
Acq: 10 Jan 2020 16:45

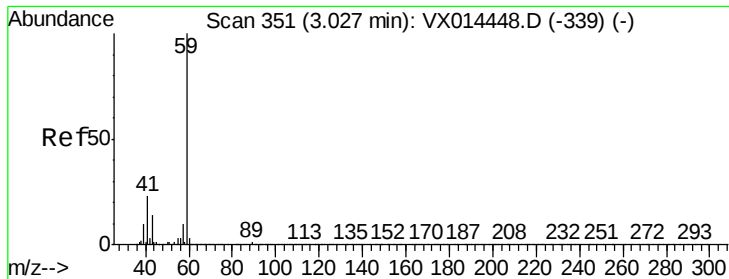
Tgt Ion: 64 Resp: 639

Ion Ratio Lower Upper

64 100

66 16.9 25.3 37.9#



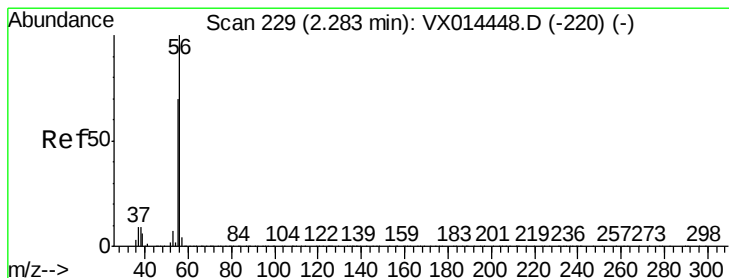
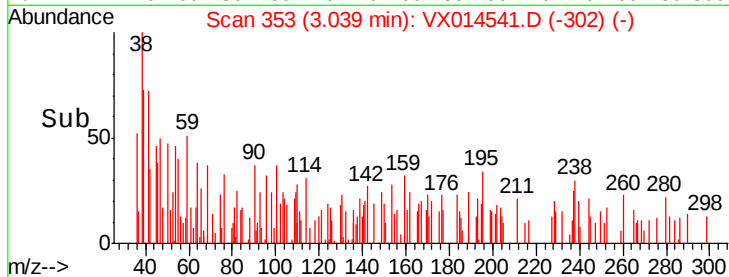
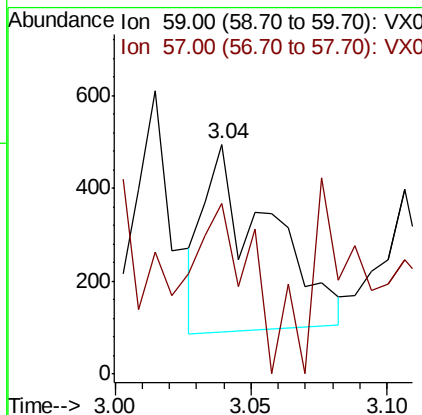
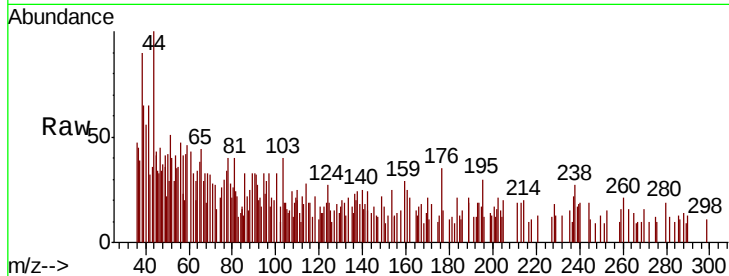


#11

Tert butyl alcohol
Concen: 0.575 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX014541.D
Acq: 10 Jan 2020 16:45

Instrument :
MSVOA_X
ClientSampled :
MW-4

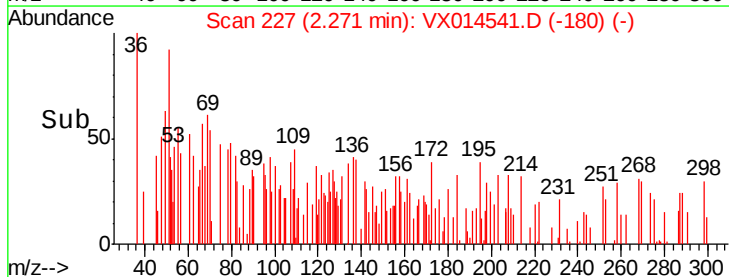
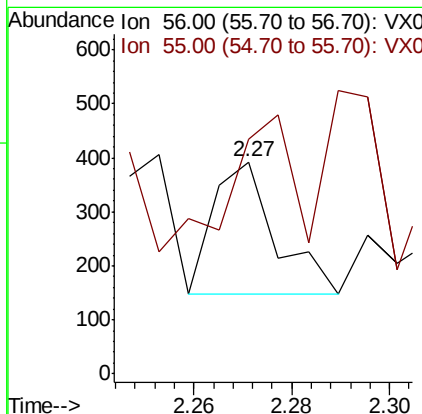
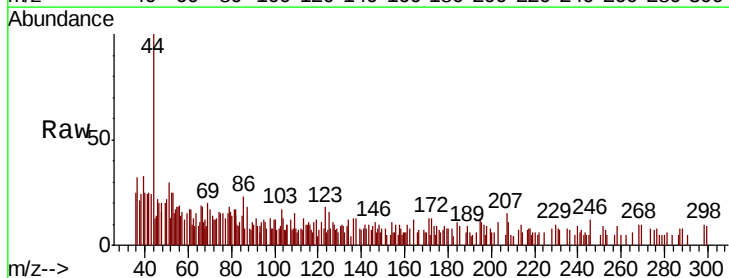
Tot Ion: 59 Resp: 663
Ion Ratio Lower Upper
59 100
57 76.3 8.5 12.7#

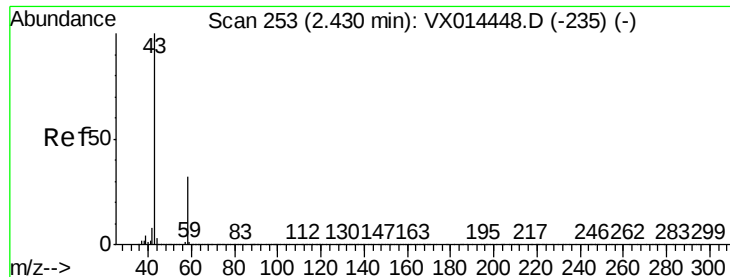


#13

Acrolein
Concen: 0.235 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX014541.D
Acq: 10 Jan 2020 16:45

Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 100.0 55.0 82.6#

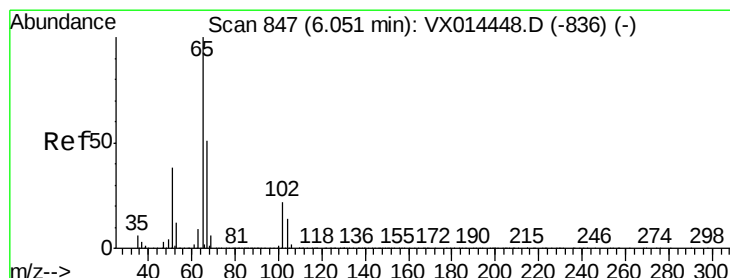
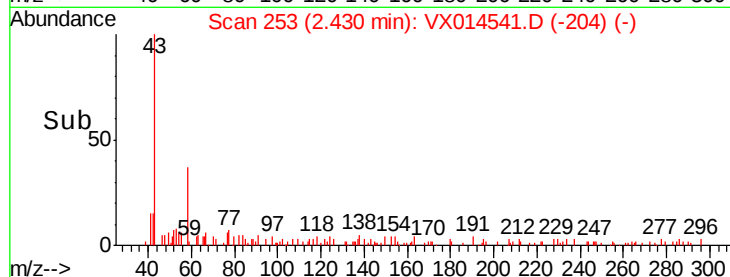
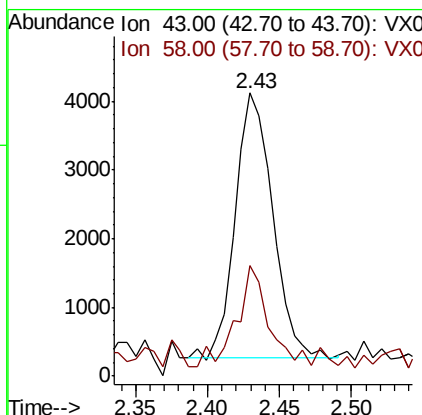
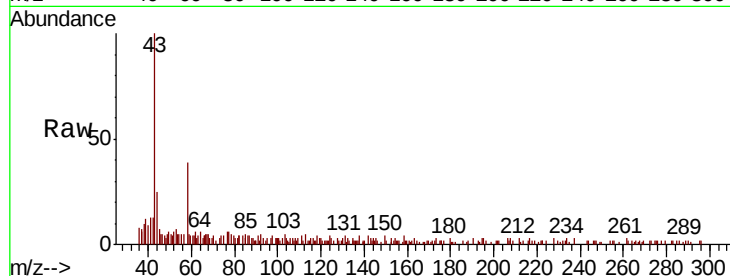




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014541.D
Acq: 10 Jan 2020 16:45

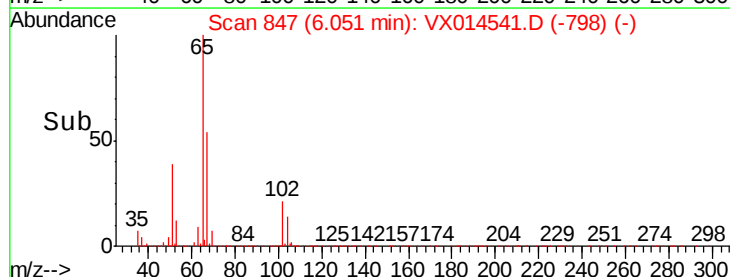
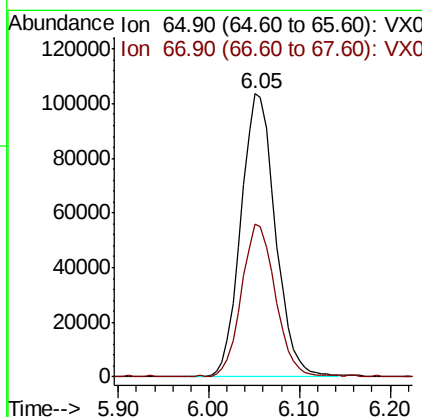
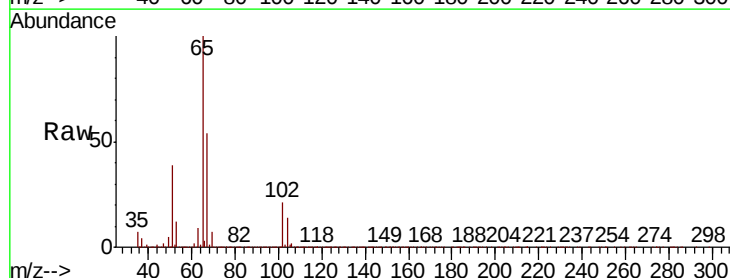
Instrument :
MSVOA_X
ClientSampleId :
MW-4

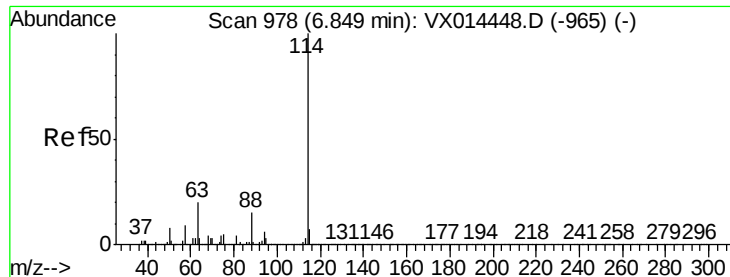
Tot Ion: 43 Resp: 6985
Ion Ratio Lower Upper
43 100
58 37.3 25.4 38.0



#33
1,2-Dichloroethane-d4
Concen: 49.223 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014541.D
Acq: 10 Jan 2020 16:45

Tgt Ion: 65 Resp: 271741
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

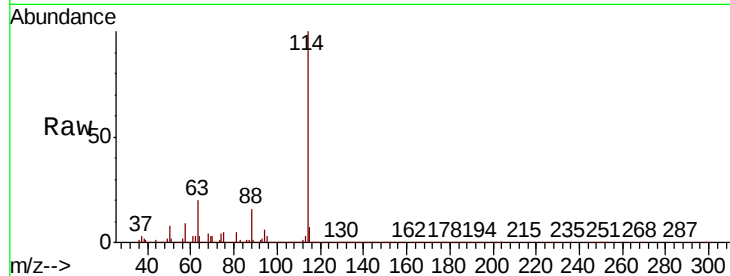
Tot Ion:114 Resp: 765937

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

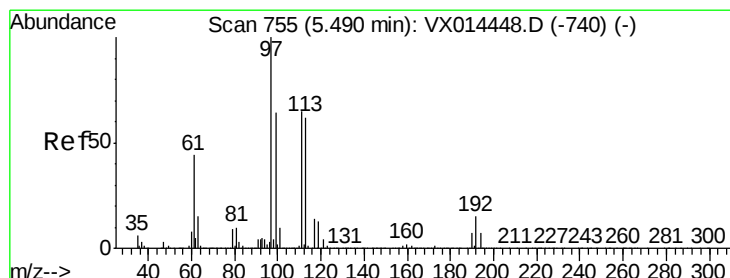
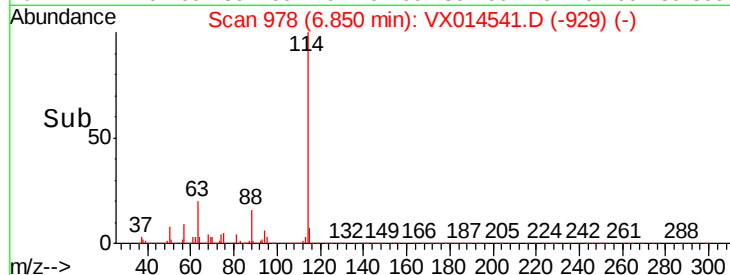
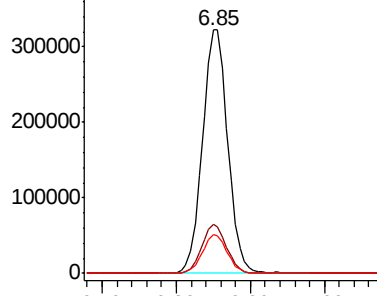
88 15.8 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.068 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

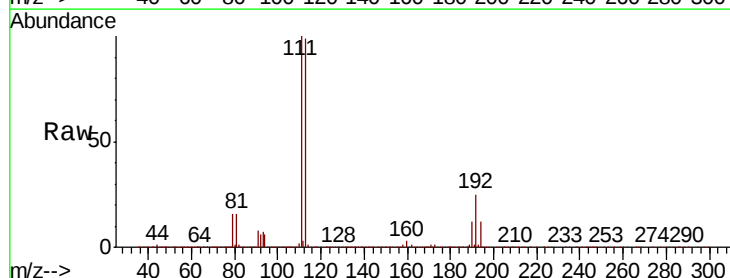
Tgt Ion:113 Resp: 227507

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

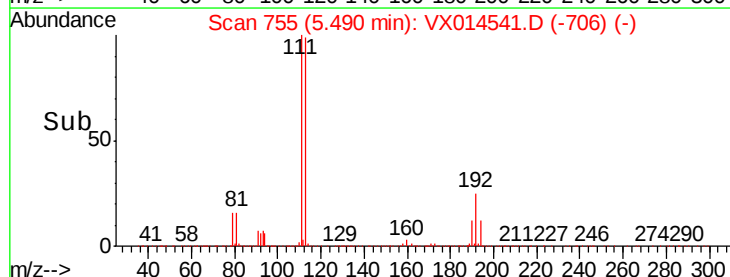
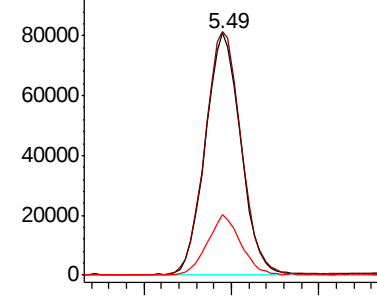
192 23.4 19.2 28.8

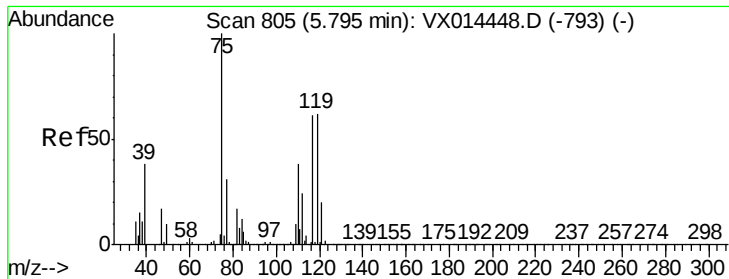


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

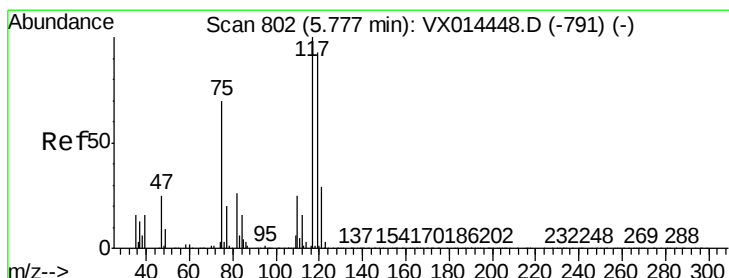
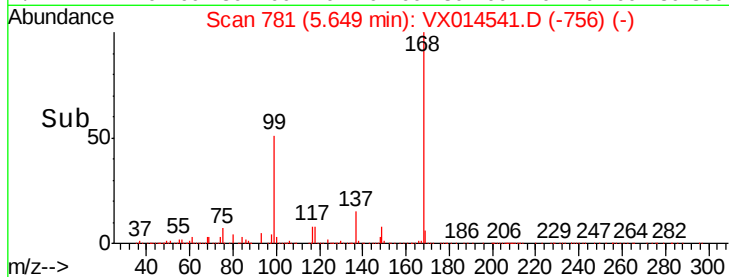
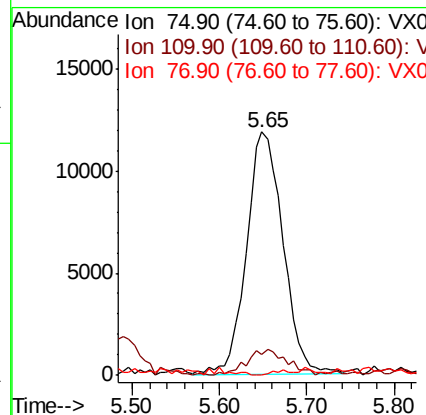
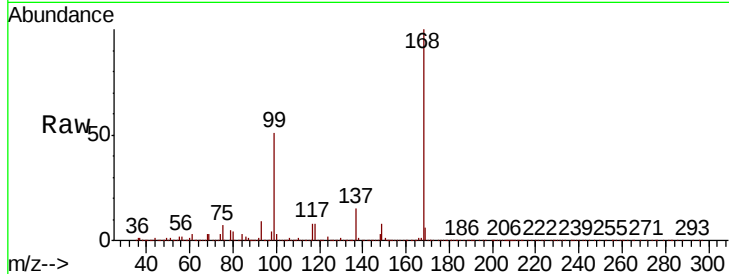




#36
 1,1-Dichloropropene
 Concen: 4.760 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014541.D
 Acq: 10 Jan 2020 16:45

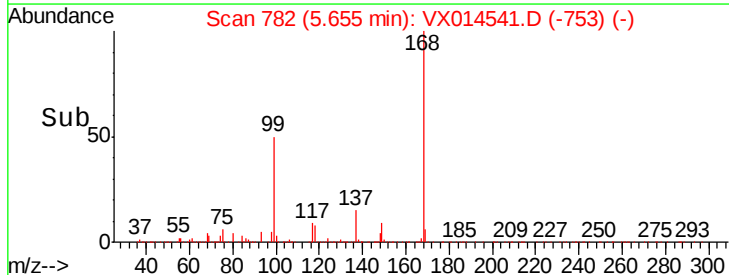
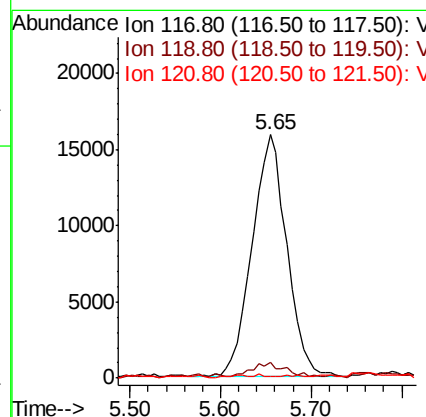
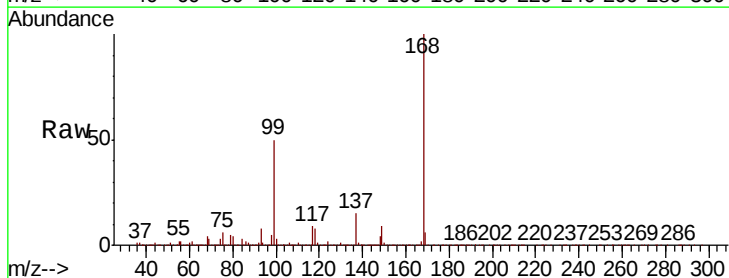
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

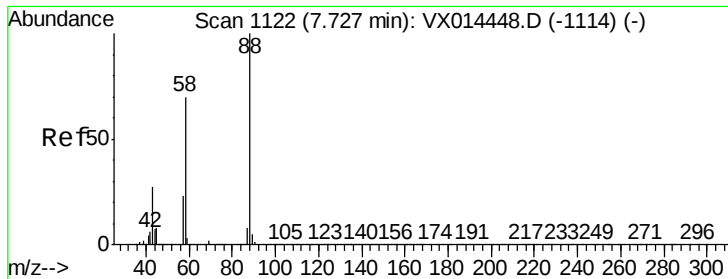
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.9	18.6	55.8#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.333 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014541.D
 Acq: 10 Jan 2020 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	73.8	110.8#
121	0.3	23.4	35.0#





#49

1,4-Dioxane

Concen: 2.830 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

Instrument :

MSVOA_X

ClientSampled :

MW-4

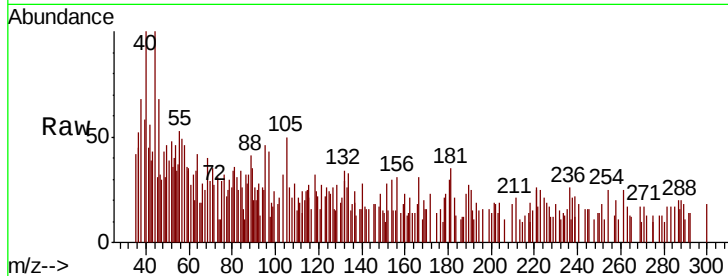
Tot Ion: 88 Resp: 363

Ion Ratio Lower Upper

88 100

43 50.1 27.4 41.0#

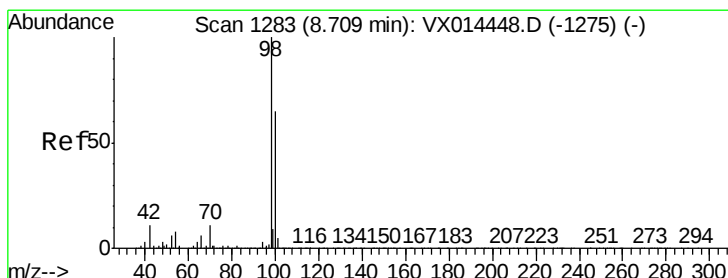
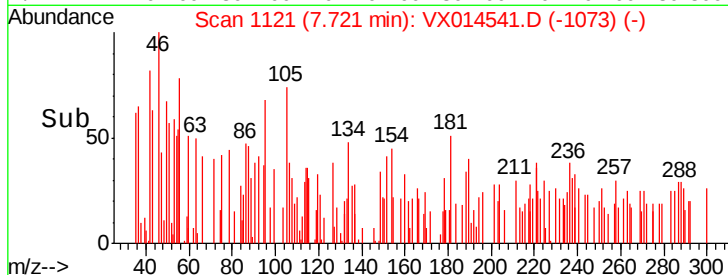
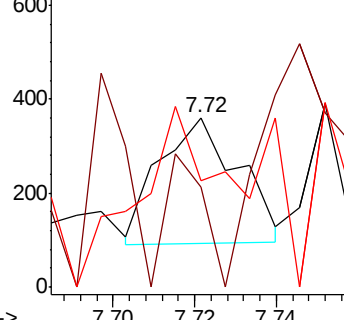
58 156.5 57.1 85.7#



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: 50.179 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014541.D

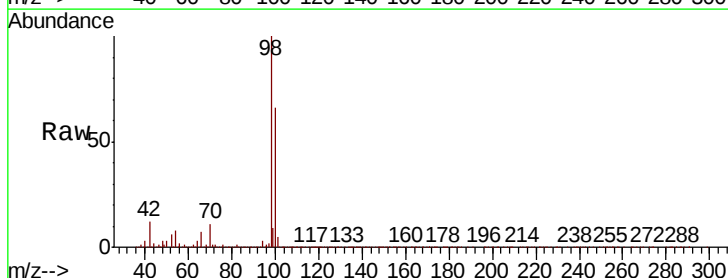
Acq: 10 Jan 2020 16:45

Tgt Ion: 98 Resp: 902873

Ion Ratio Lower Upper

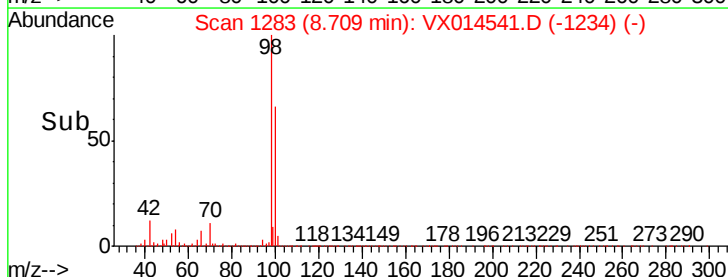
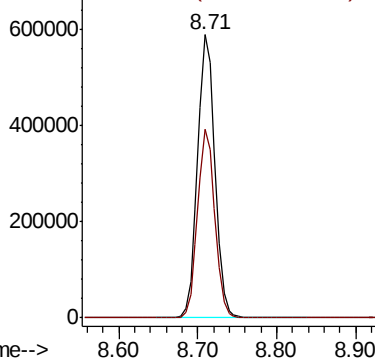
98 100

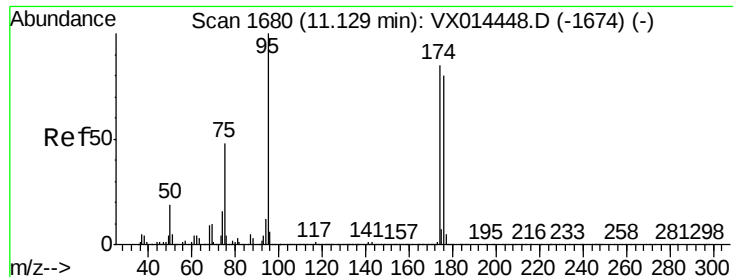
100 66.0 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.723 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

Instrument :

MSVOA_X

ClientSampled :

MW-4

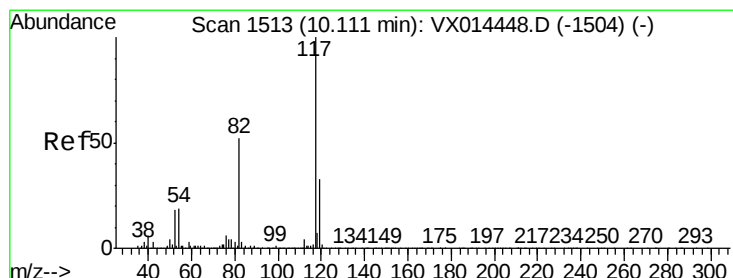
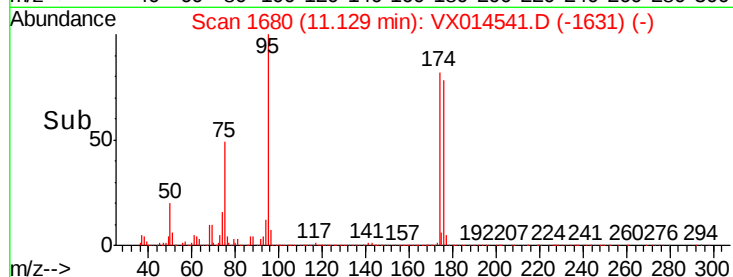
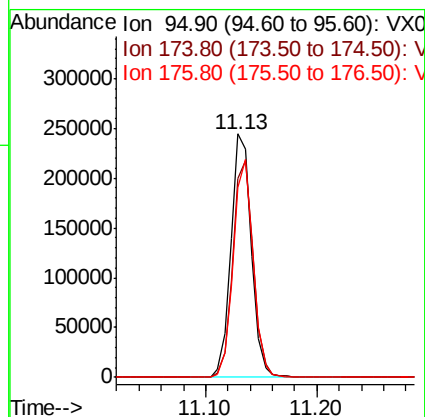
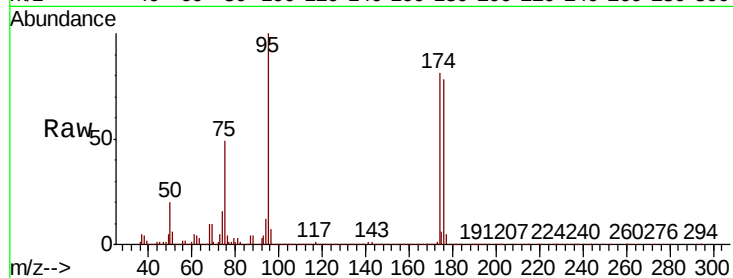
Tot Ion: 95 Resp: 308623

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.8

176 87.4 0.0 172.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

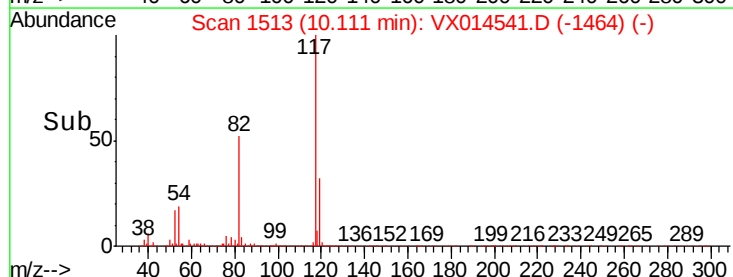
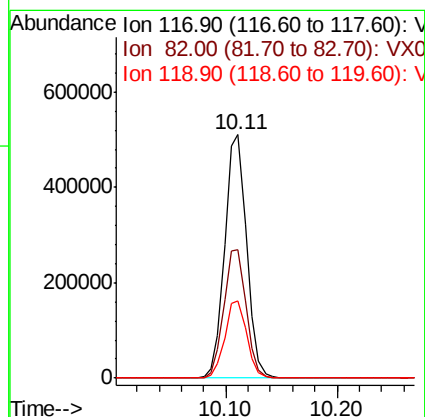
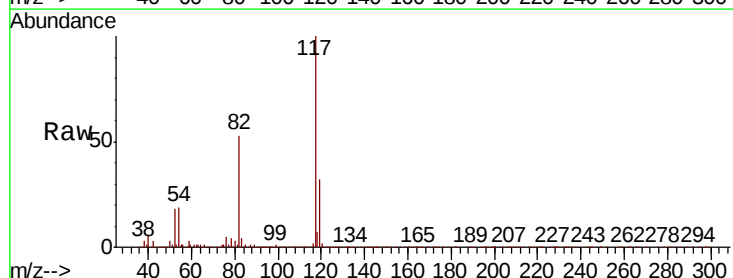
Tgt Ion: 117 Resp: 695627

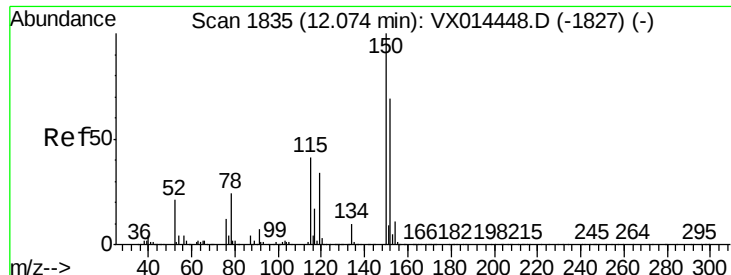
Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.6

119 31.8 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

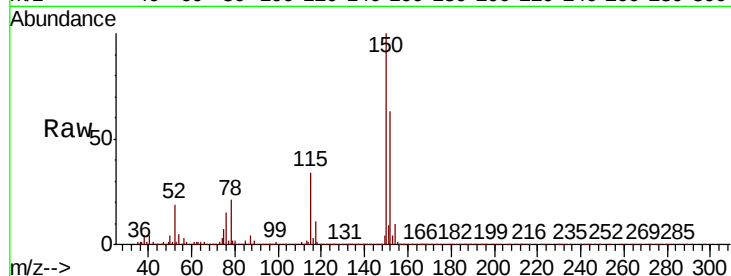
Tot Ion:152 Resp: 313396

Ion Ratio Lower Upper

152 100

115 55.6 39.5 118.3

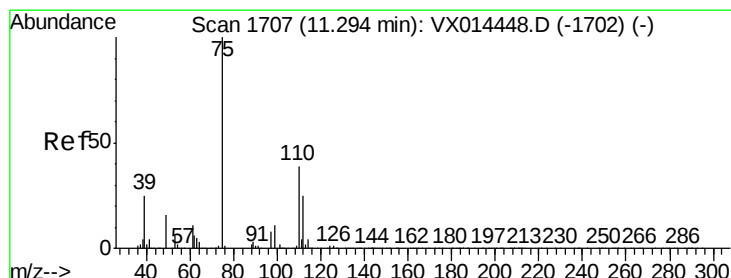
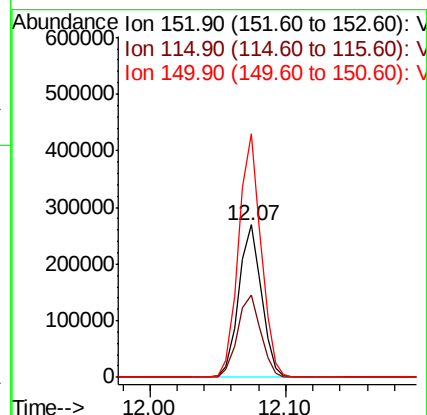
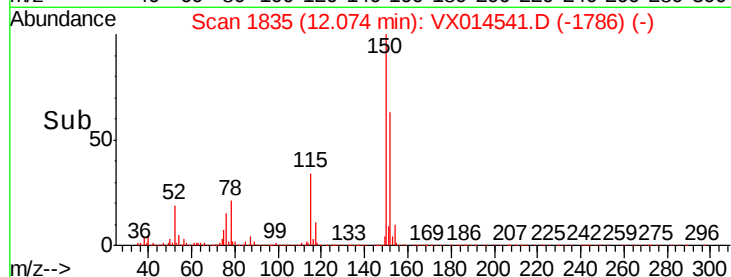
150 158.1 0.0 350.2



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: 23.138 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014541.D

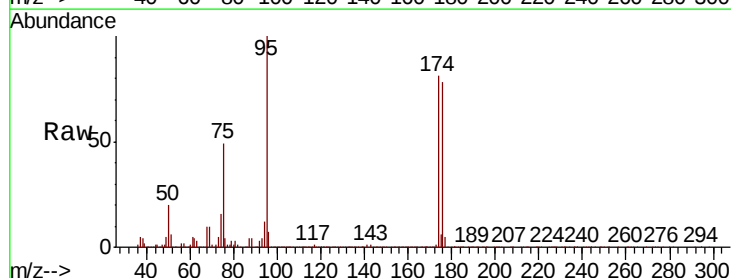
Acq: 10 Jan 2020 16:45

Tgt Ion: 75 Resp: 150032

Ion Ratio Lower Upper

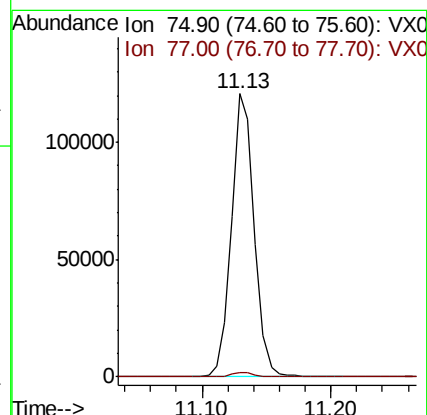
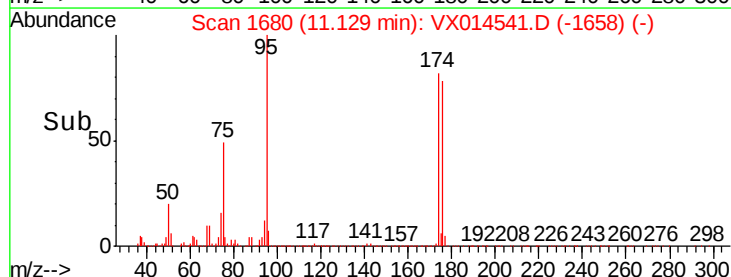
75 100

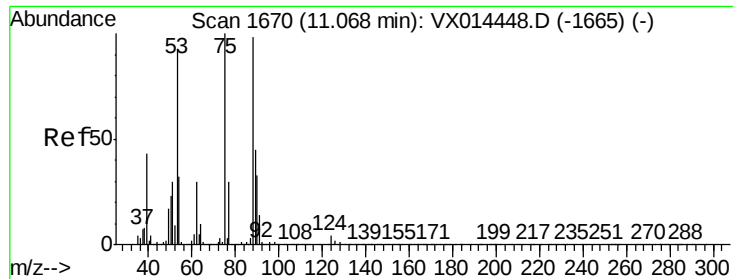
77 1.5 21.9 65.7#



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: 61.173 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

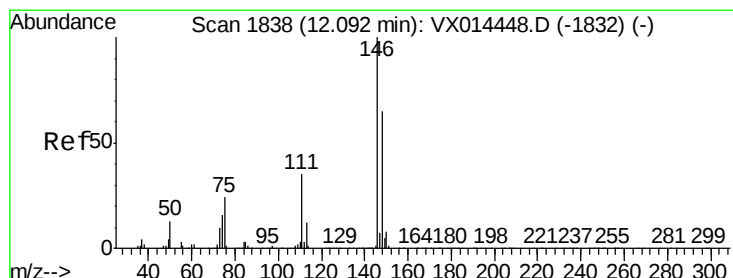
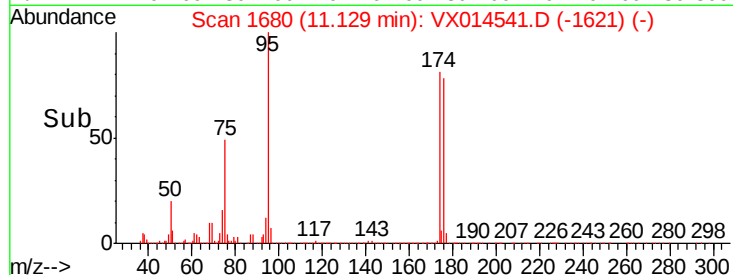
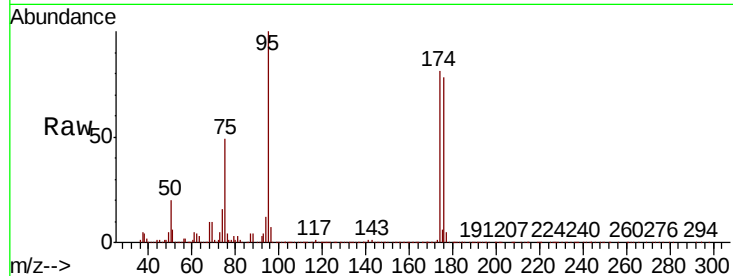
Tot Ion: 75 Resp: 150032

Ion Ratio Lower Upper

75 100

53 0.0 74.8 112.2#

89 0.1 36.3 54.5#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.07 min Scan# 1835

Delta R.T. -0.02 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

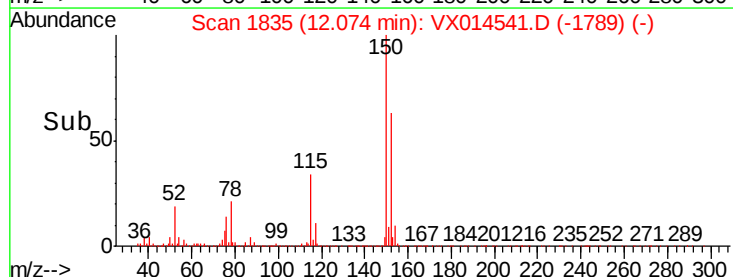
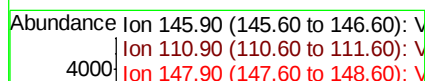
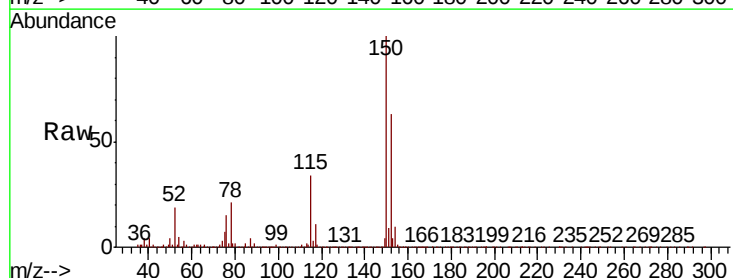
Tgt Ion:146 Resp: 790

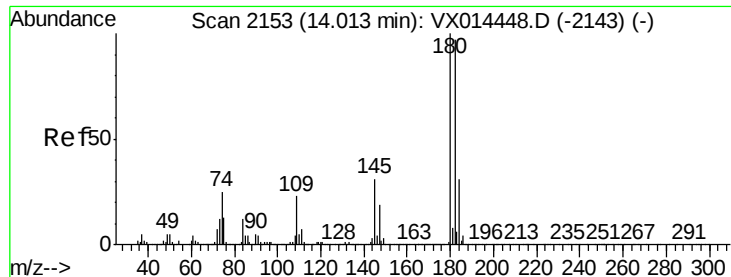
Ion Ratio Lower Upper

146 100

111 473.3 18.1 54.1#

148 207.8 32.1 96.3#





#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 14.11 min Scan# 2169

Delta R.T. 0.10 min

Lab File: VX014541.D

Acq: 10 Jan 2020 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

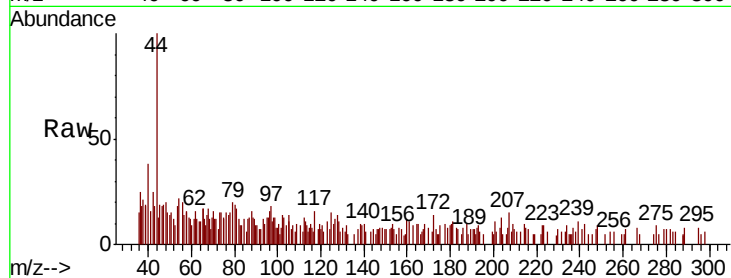
Tot Ion:180 Resp: 367

Ion Ratio Lower Upper

180 100

182 71.9 47.9 143.6

145 25.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

