

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\
 Data File : VX014542.D
 Acq On : 10 Jan 2020 17:08
 Operator : JC/SP
 Sample : L1080-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Jan 10 23:36:19 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	479145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	742942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	662015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	296305	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	268990	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
35) Dibromofluoromethane	5.49	113	222980	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	8.71	98	881331	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	290394	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	

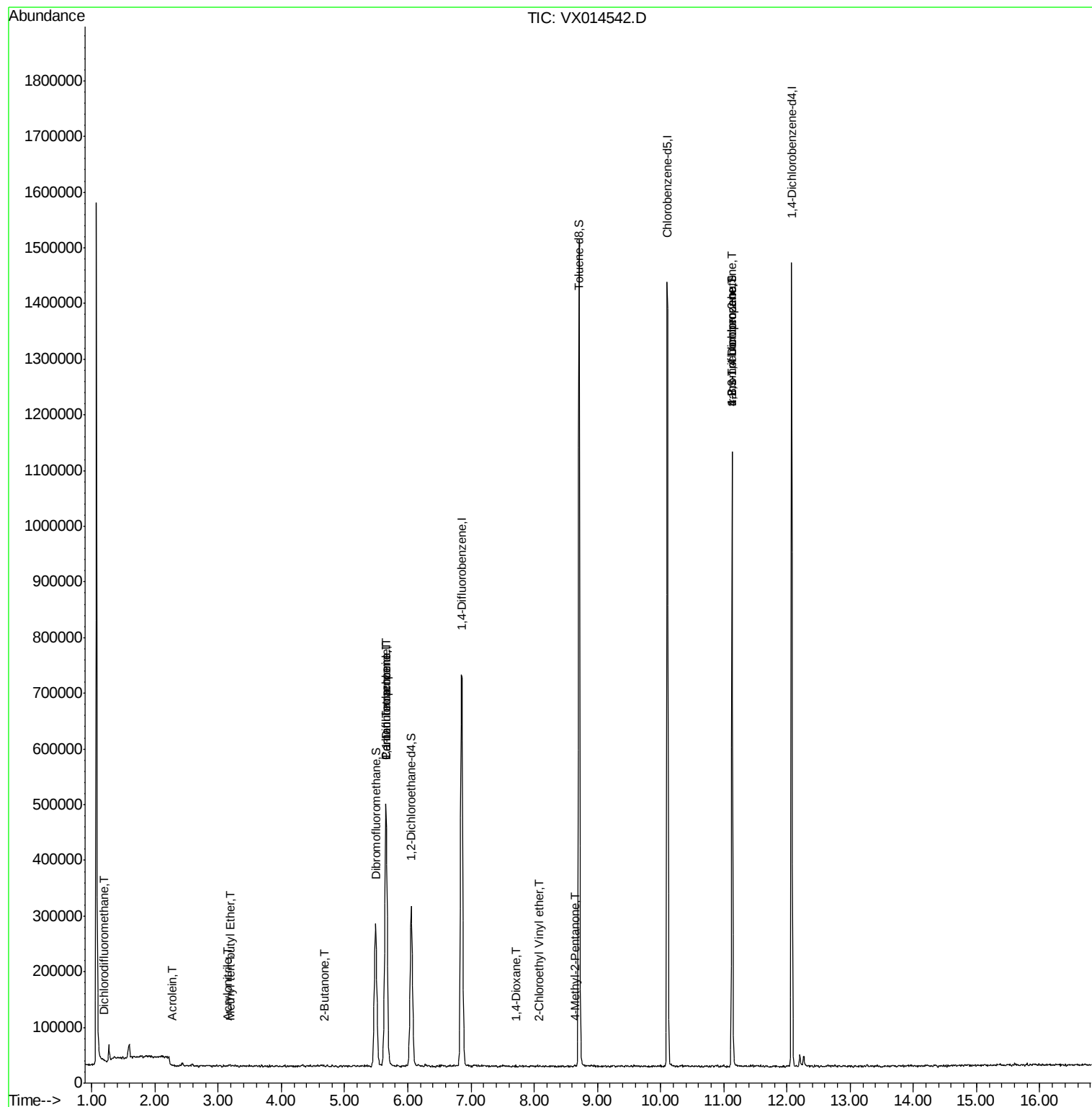
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	426	0.324	ug/l #	70
6) Chloroethane	1.71	64	913	Below Cal	#	85
13) Acrolein	2.28	56	324	0.362	ug/l	91
15) Acrylonitrile	3.14	53	695	0.258	ug/l #	26
16) Acetone	2.44	43	6327	Below Cal		91
19) Methyl tert-butyl Ether	3.19	73	3172	0.209	ug/l #	63
25) 2-Butanone	4.68	43	1120	0.280	ug/l #	53
36) 1,1-Dichloropropene	5.65	75	32702	4.681	ug/l #	41
38) Carbon Tetrachloride	5.65	117	42119	6.551	ug/l #	18
49) 1,4-Dioxane	7.72	88	348	2.797	ug/l #	52
51) 4-Methyl-2-Pentanone	8.65	43	1823	0.244	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.07	63	905	0.326	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	142473	23.240	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	142473	61.441	ug/l #	12
88) 1,4-Dichlorobenzene	11.95	146	315	Below Cal		77
93) 1,2,4-Trichlorobenzene	13.64	180	496	Below Cal		72
96) 1,2,3-Trichlorobenzene	14.26	180	146	Below Cal		57

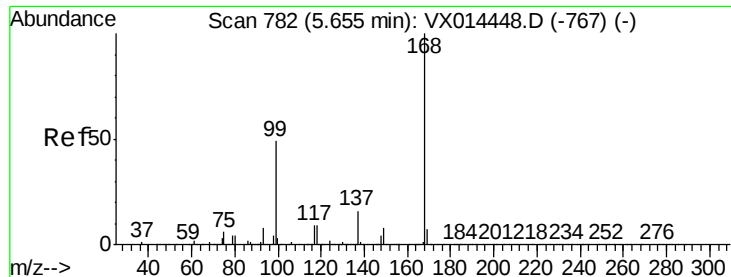
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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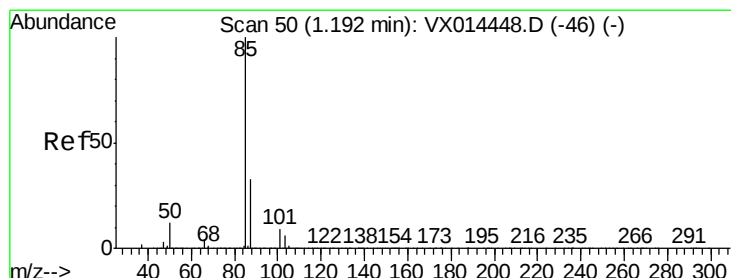
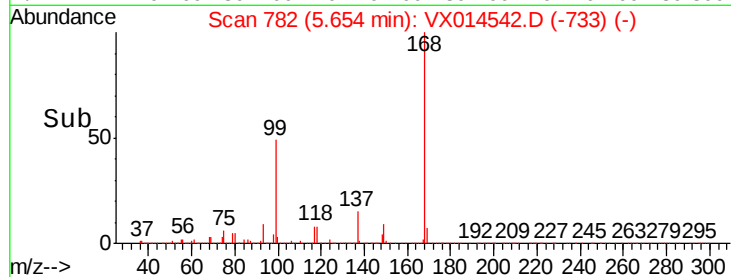
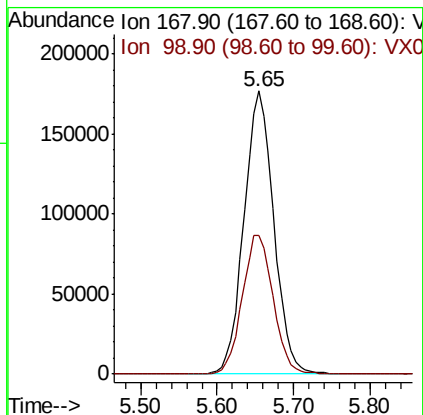
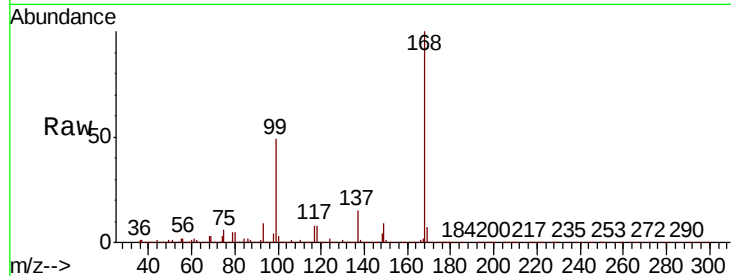


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VX014542.D
 Acq: 10 Jan 2020 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

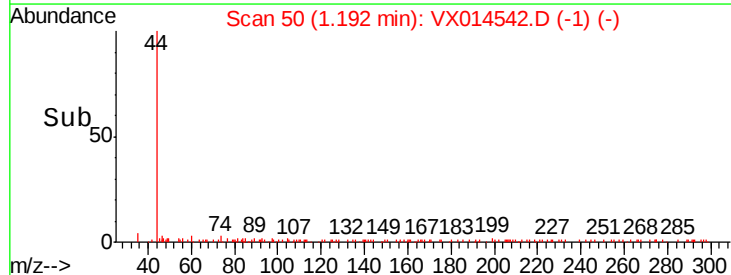
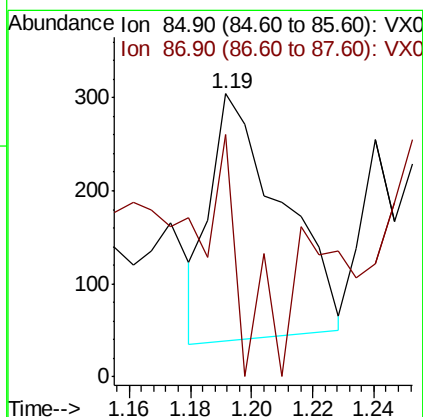
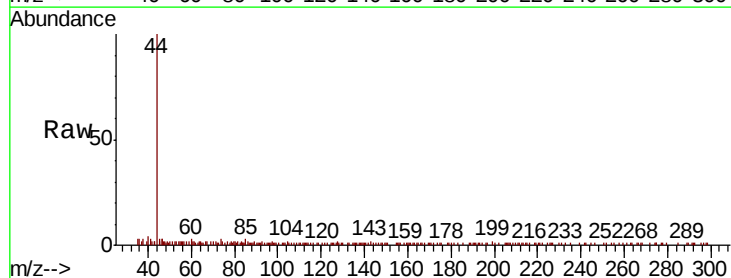
Tot Ion:168 Resp: 479145
 Ion Ratio Lower Upper
 168 100
 99 48.8 39.2 58.8

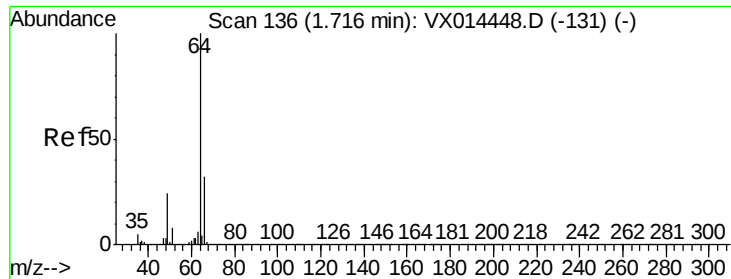


#2

Dichlorodifluoromethane
 Concen: 0.324 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014542.D
 Acq: 10 Jan 2020 17:08

Tgt Ion: 85 Resp: 426
 Ion Ratio Lower Upper
 85 100
 87 49.7 16.5 49.5#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

Instrument :

MSVOA_X

ClientSampled :

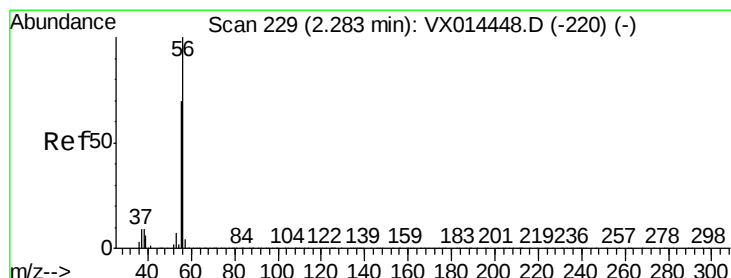
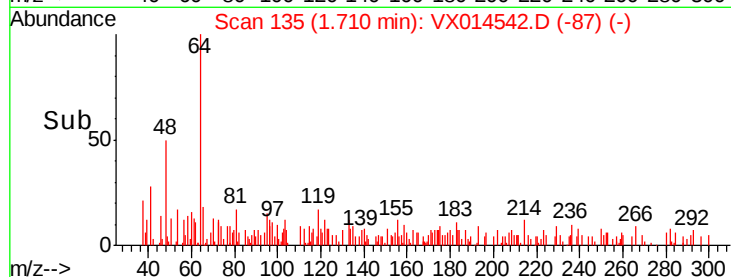
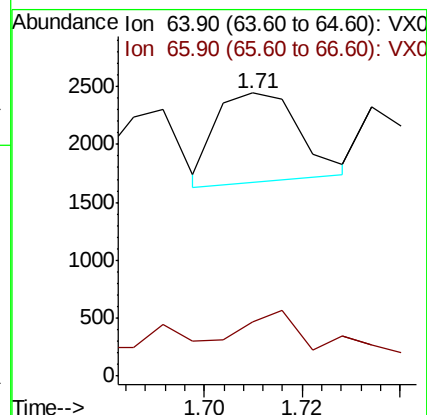
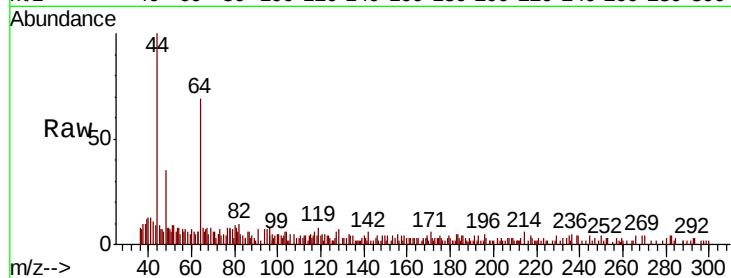
MW-5

Tot Ion: 64 Resp: 913

Ion Ratio Lower Upper

64 100

66 23.3 25.3 37.9#



#13

Acrolein

Concen: 0.362 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014542.D

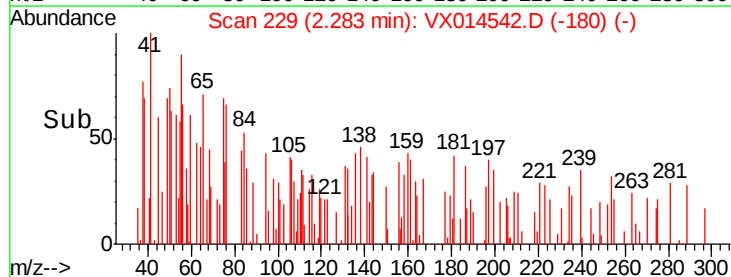
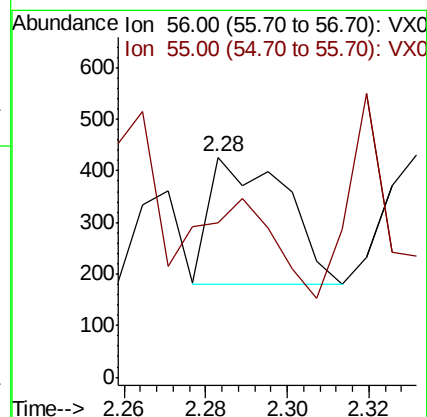
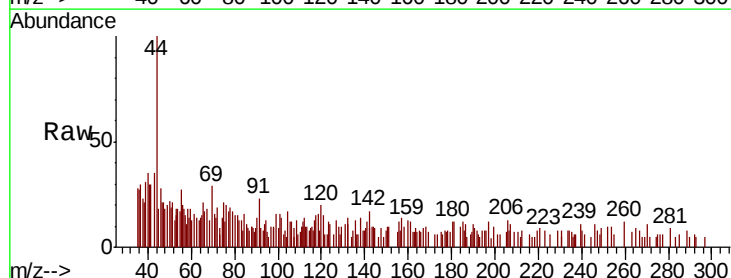
Acq: 10 Jan 2020 17:08

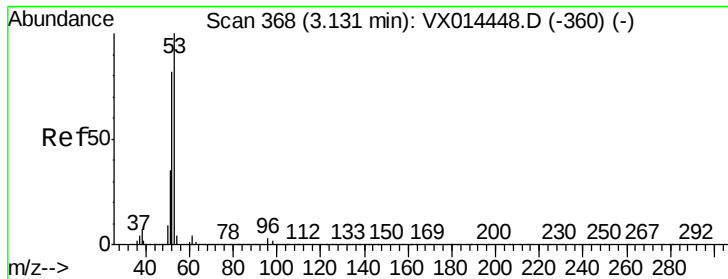
Tgt Ion: 56 Resp: 324

Ion Ratio Lower Upper

56 100

55 61.1 55.0 82.6





#15

Acrylonitrile

Concen: 0.258 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

Instrument :

MSVOA_X

ClientSampled :

MW-5

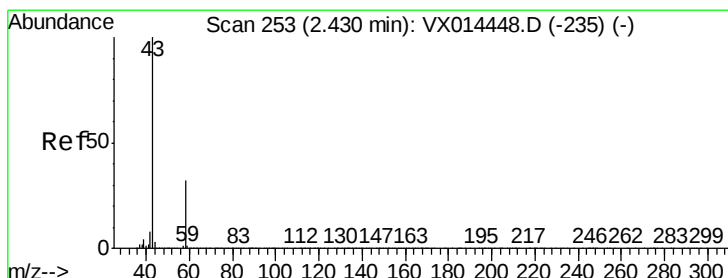
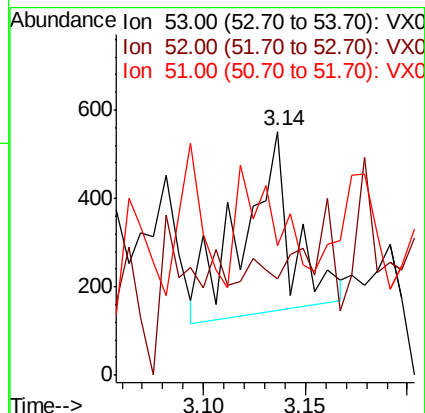
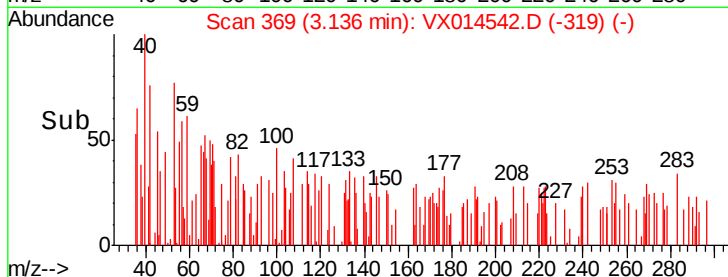
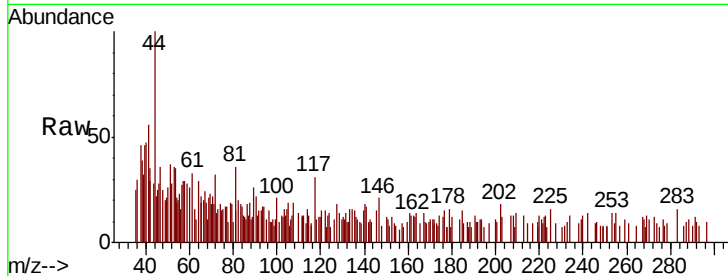
Tot Ion: 53 Resp: 695

Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

51 53.2 28.5 42.7#



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014542.D

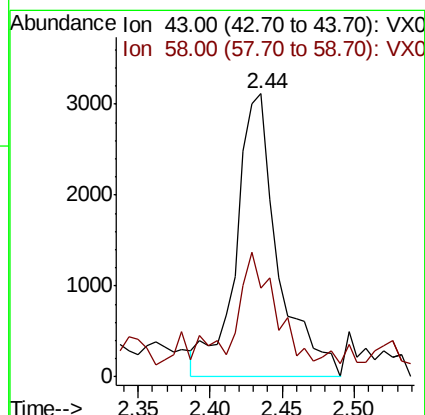
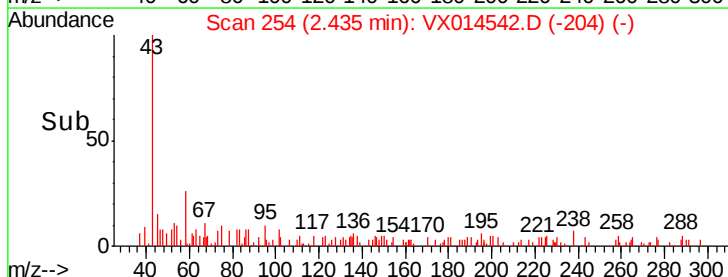
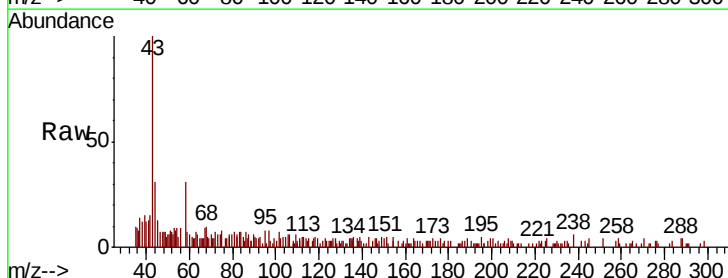
Acq: 10 Jan 2020 17:08

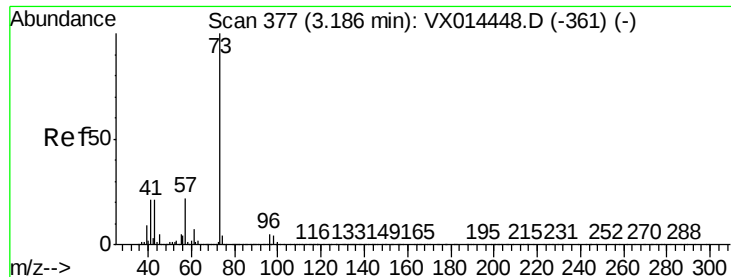
Tgt Ion: 43 Resp: 6327

Ion Ratio Lower Upper

43 100

58 26.8 25.4 38.0



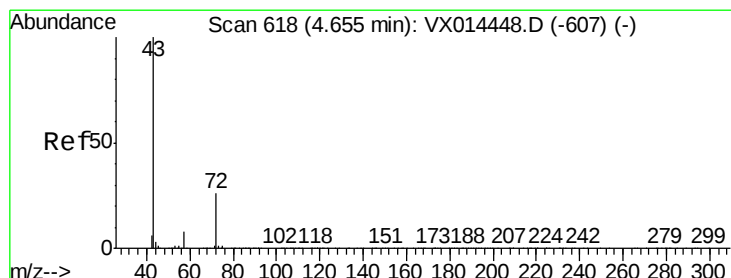
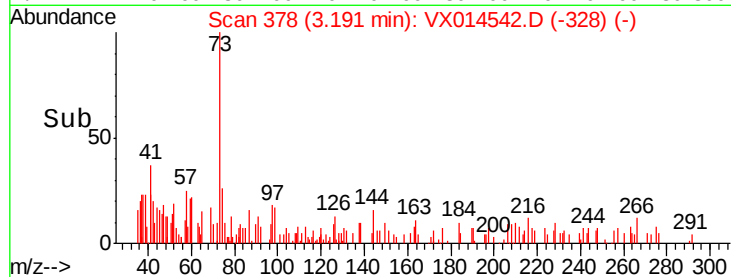
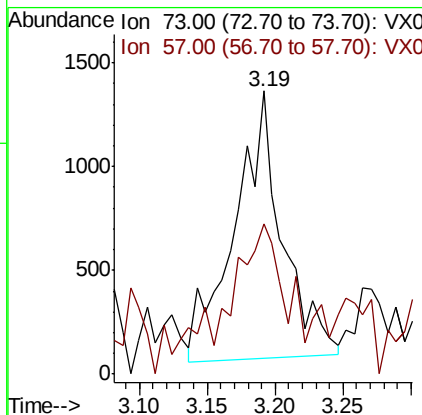
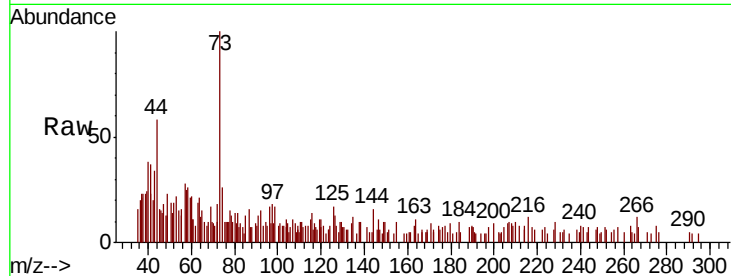


#19

Methyl tert-butyl Ether
 Concen: 0.209 ug/l
 RT: 3.19 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: VX014542.D
 Acq: 10 Jan 2020 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

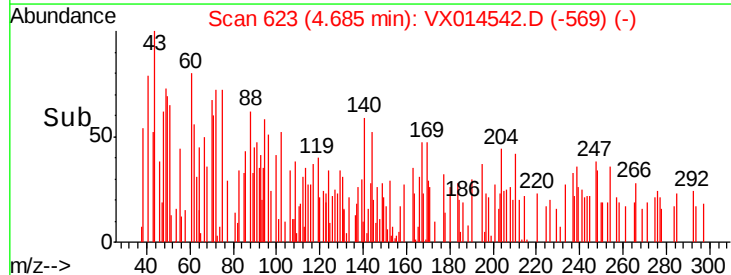
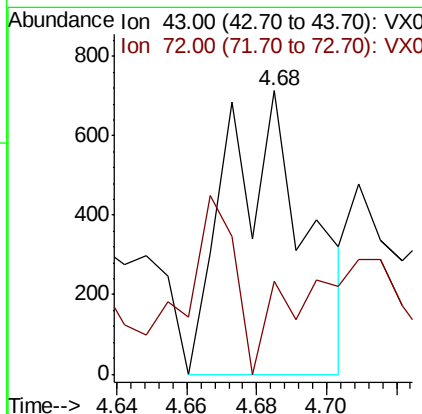
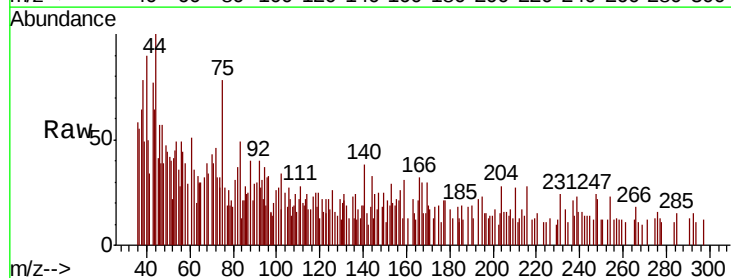
Tot Ion: 73 Resp: 3172
 Ion Ratio Lower Upper
 73 100
 57 40.2 17.8 26.8#

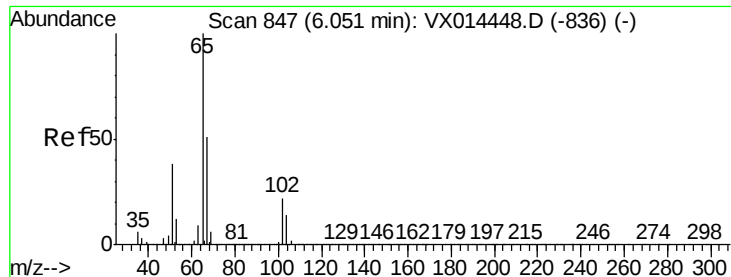


#25

2-Butanone
 Concen: 0.280 ug/l
 RT: 4.68 min Scan# 623
 Delta R.T. 0.03 min
 Lab File: VX014542.D
 Acq: 10 Jan 2020 17:08

Tgt Ion: 43 Resp: 1120
 Ion Ratio Lower Upper
 43 100
 72 1.8 20.6 31.0#





#33

1,2-Dichloroethane-d4

Concen: 50.289 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

Instrument :

MSVOA_X

ClientSampled :

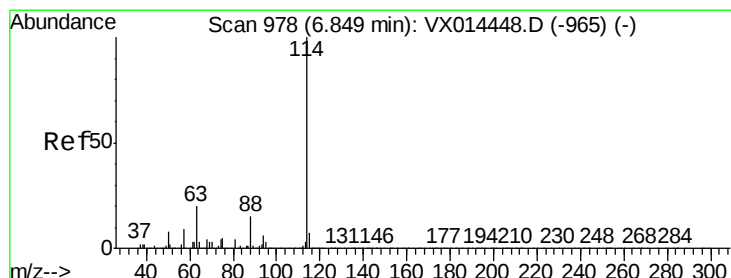
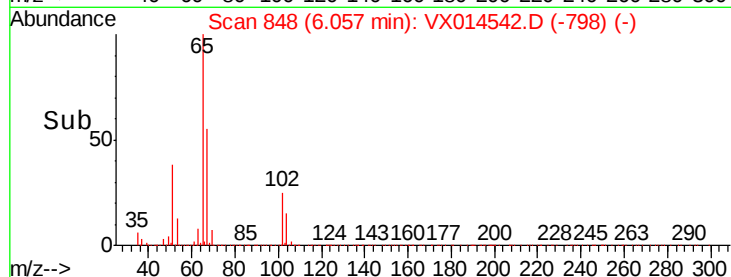
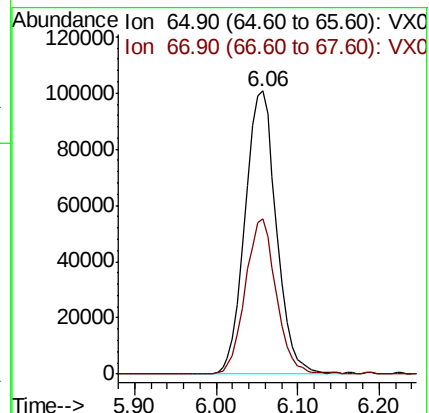
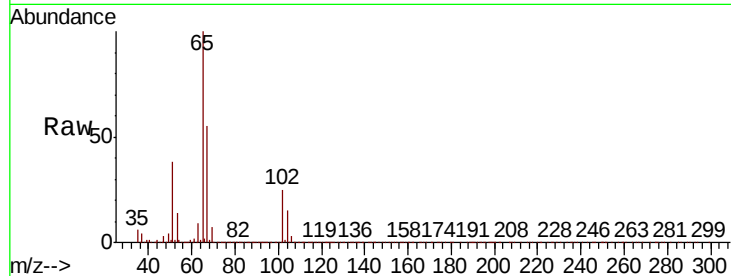
MW-5

Tot Ion: 65 Resp: 268990

Ion Ratio Lower Upper

65 100

67 53.5 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: VX014542.D

Acq: 10 Jan 2020 17:08

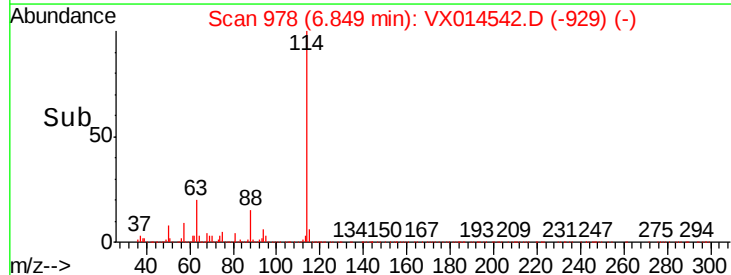
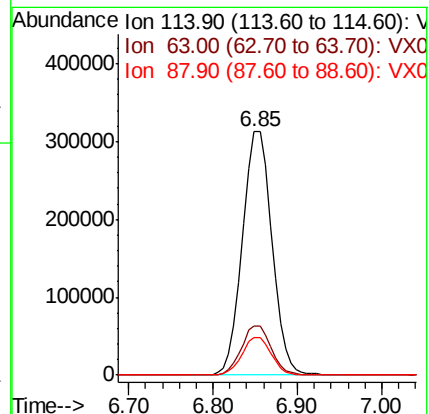
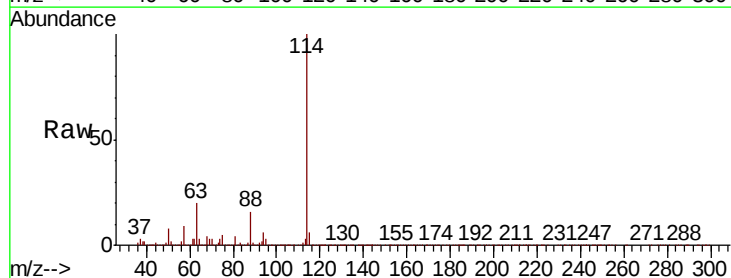
Tgt Ion: 114 Resp: 742942

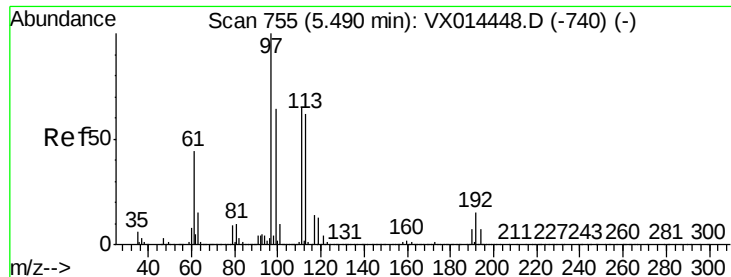
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.580 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

MW-5

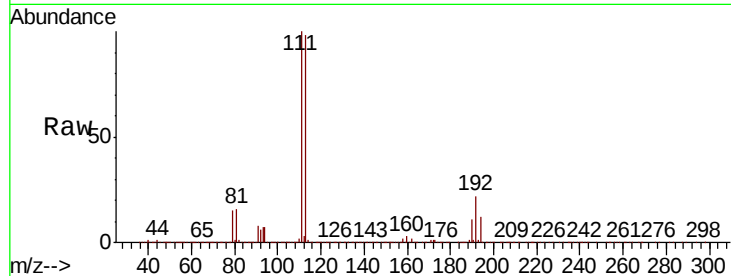
Tot Ion:113 Resp: 222980

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

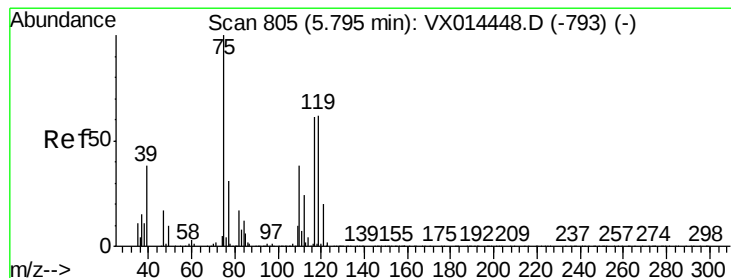
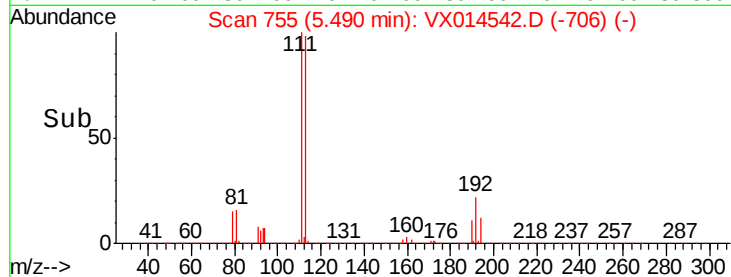
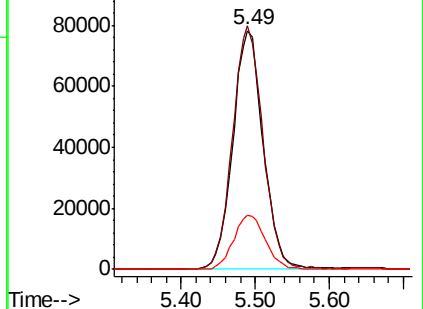
192 24.0 19.2 28.8



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: 4.681 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

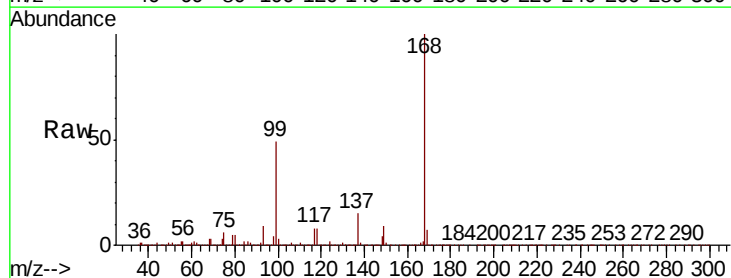
Tgt Ion: 75 Resp: 32702

Ion Ratio Lower Upper

75 100

110 0.0 18.6 55.8#

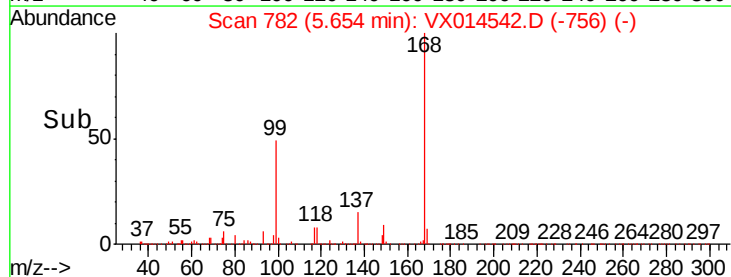
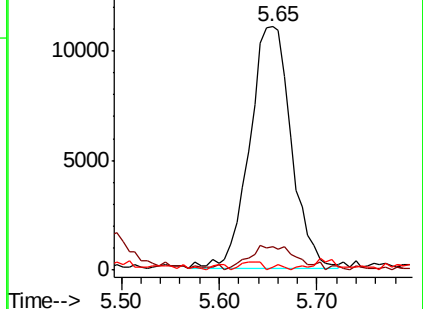
77 0.7 24.5 36.7#

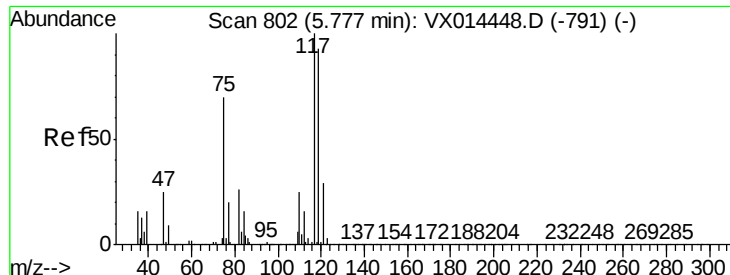


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.551 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

MW-5

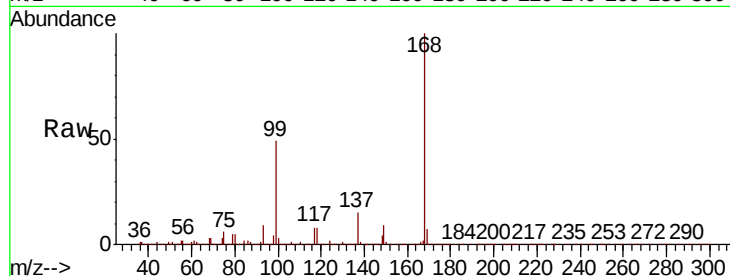
Tot Ion:117 Resp: 42119

Ion Ratio Lower Upper

117 100

119 5.0 73.8 110.8#

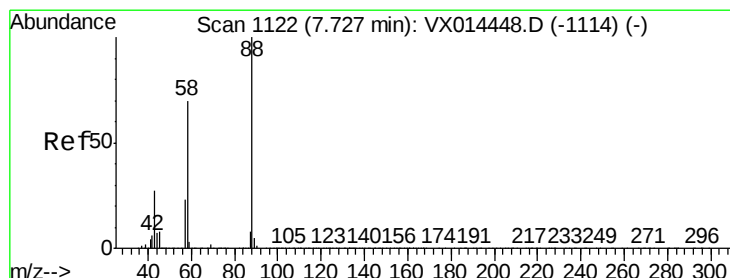
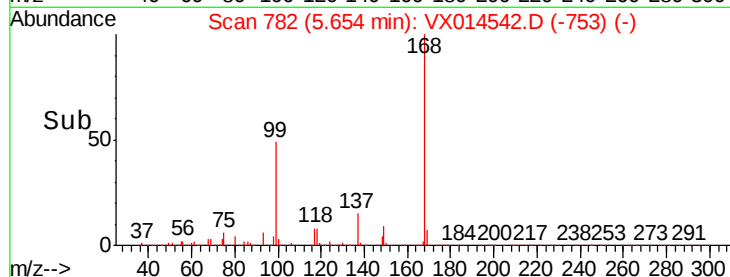
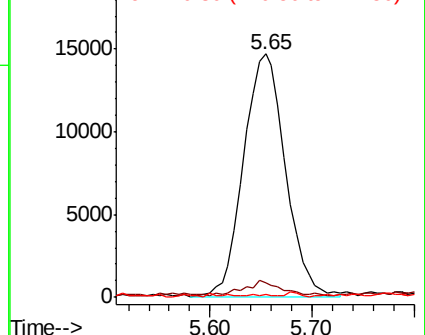
121 0.2 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 2.797 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

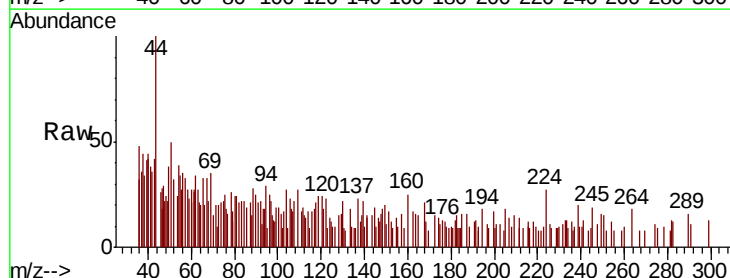
Tgt Ion: 88 Resp: 348

Ion Ratio Lower Upper

88 100

43 107.2 27.4 41.0#

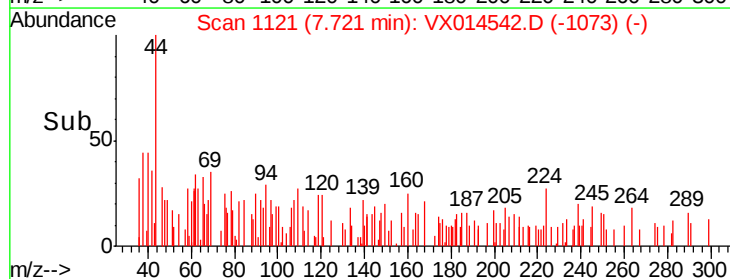
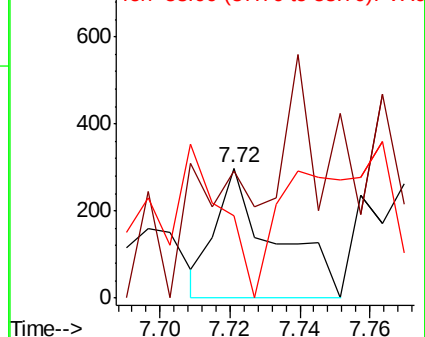
58 79.9 57.1 85.7

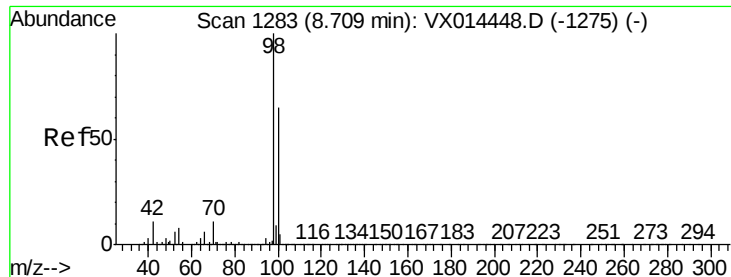


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.498 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

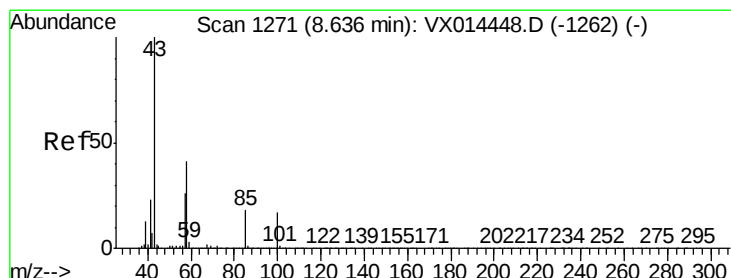
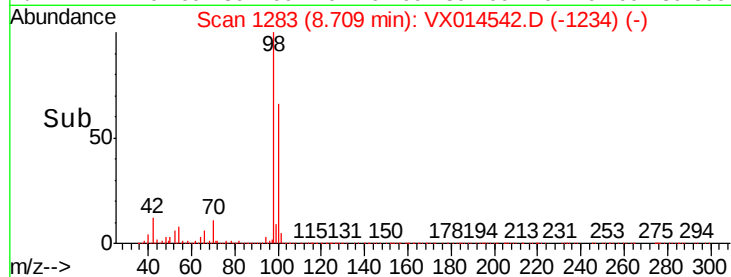
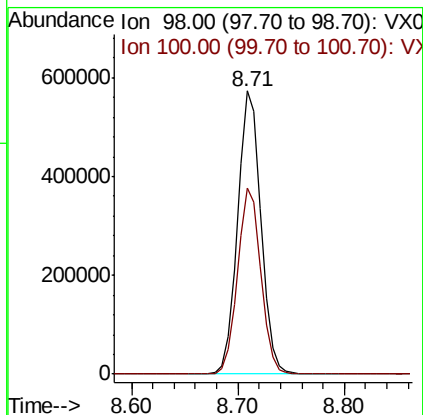
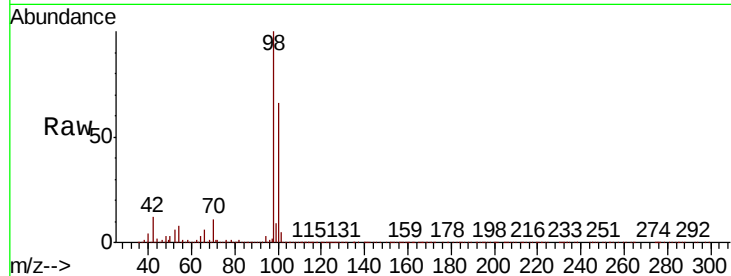
MW-5

Tot Ion: 98 Resp: 881331

Ion Ratio Lower Upper

98 100

100 65.6 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 0.244 ug/l

RT: 8.65 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VX014542.D

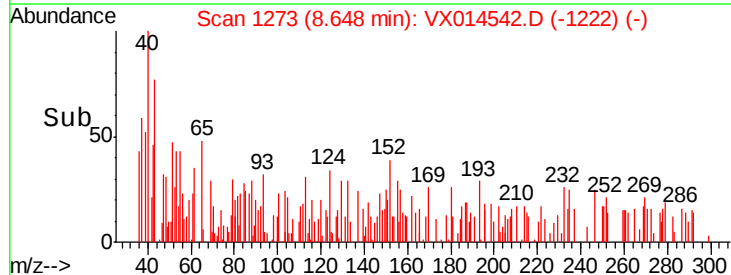
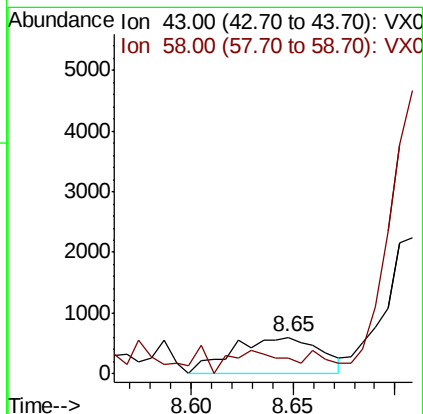
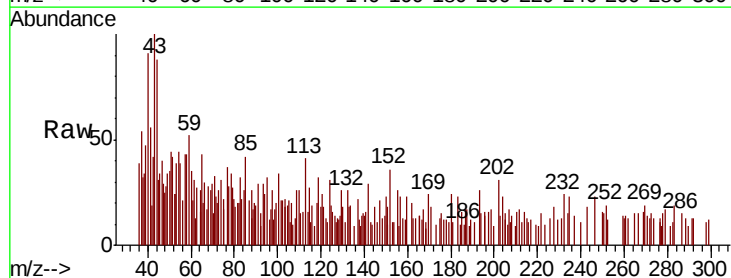
Acq: 10 Jan 2020 17:08

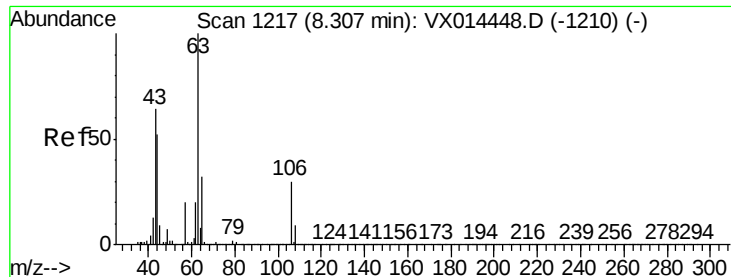
Tgt Ion: 43 Resp: 1823

Ion Ratio Lower Upper

43 100

58 38.8 32.4 48.6

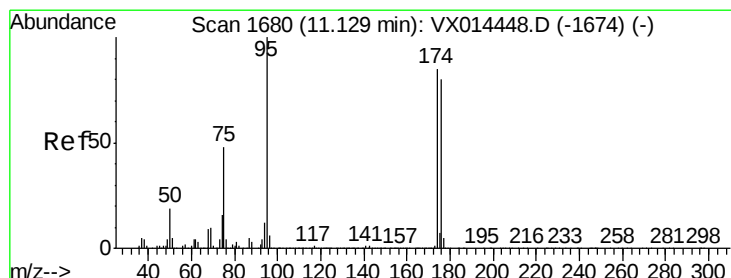
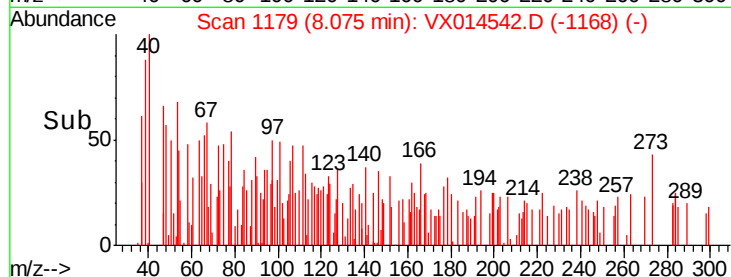
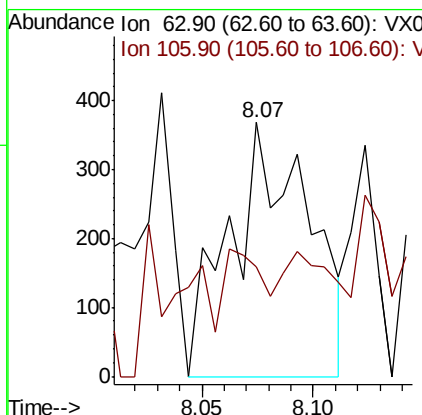
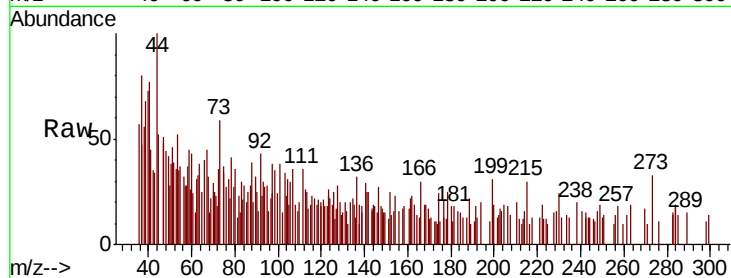




#58
2-Chloroethyl Vinyl ether
Concen: 0.326 ug/l
RT: 8.07 min Scan# 1179
Delta R.T. -0.23 min
Lab File: VX014542.D
Acq: 10 Jan 2020 17:08

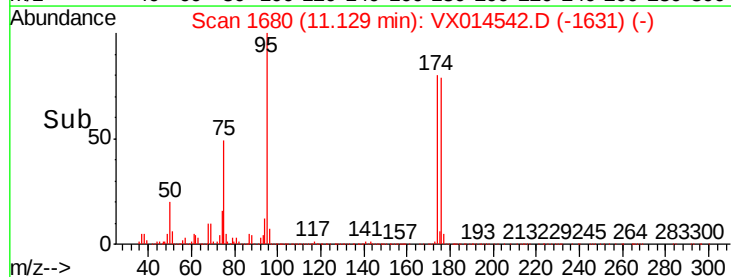
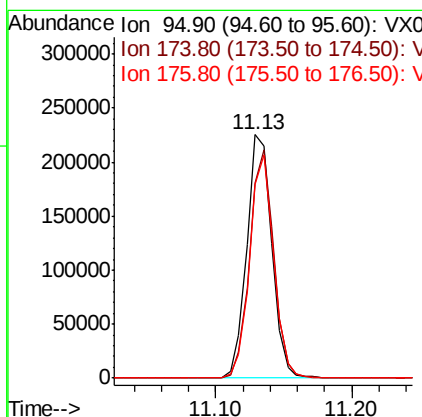
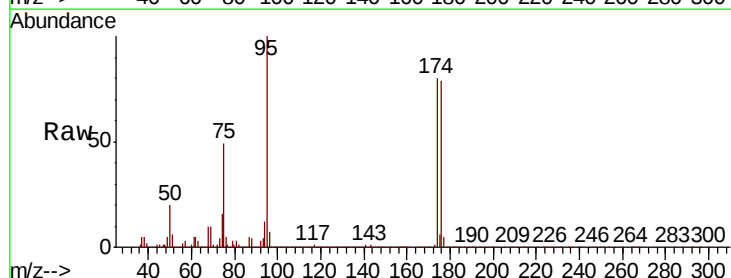
Instrument :
MSVOA_X
ClientSampleId :
MW-5

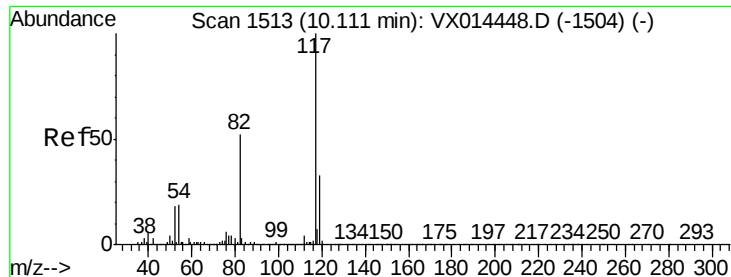
Tot Ion: 63 Resp: 905
Ion Ratio Lower Upper
63 100
106 24.2 23.6 35.4



#62
4-Bromofluorobenzene
Concen: 45.324 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014542.D
Acq: 10 Jan 2020 17:08

Tgt Ion: 95 Resp: 290394
Ion Ratio Lower Upper
95 100
174 90.6 0.0 180.8
176 88.2 0.0 172.8

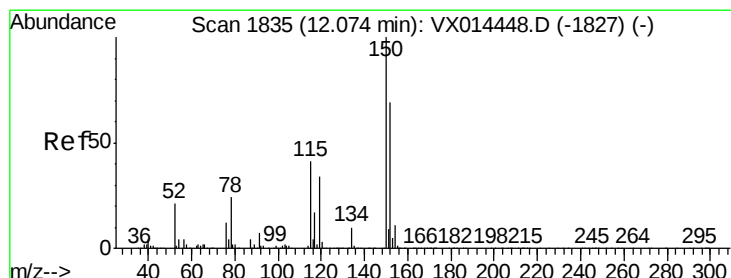
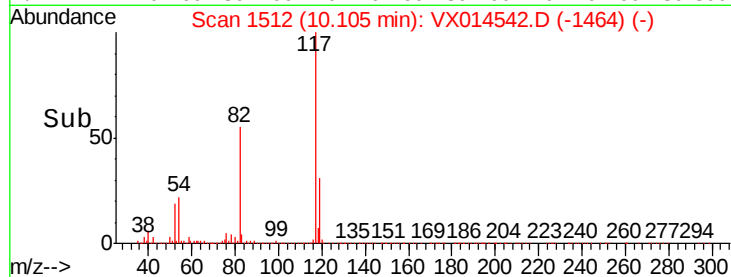
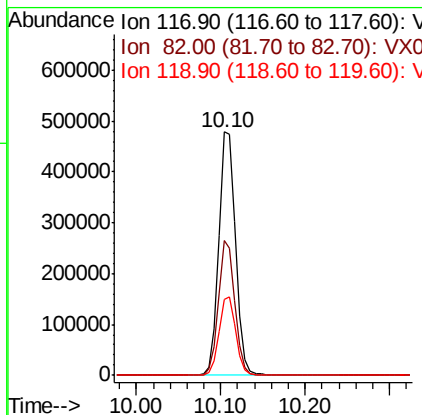
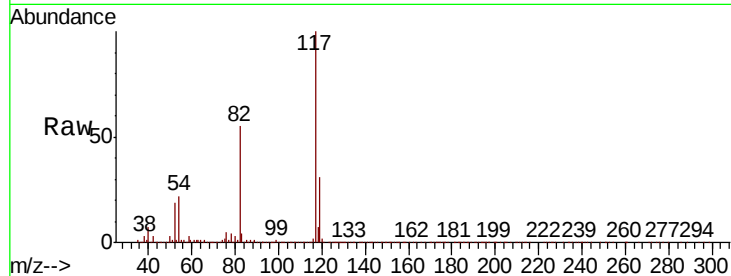




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014542.D
Acq: 10 Jan 2020 17:08

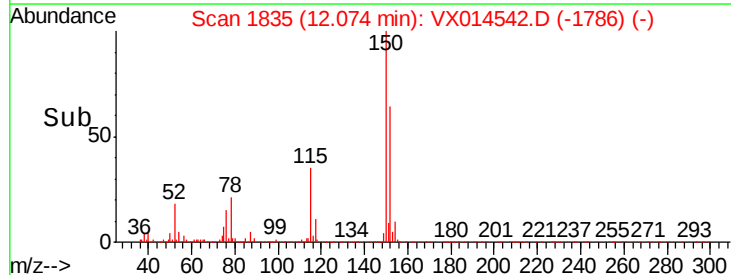
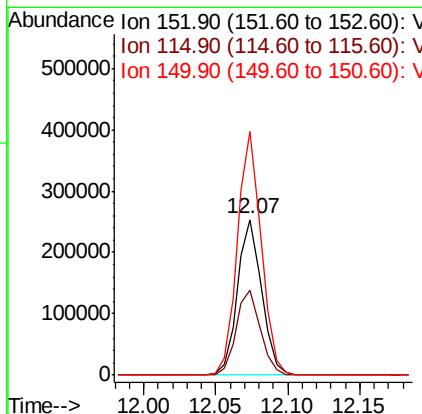
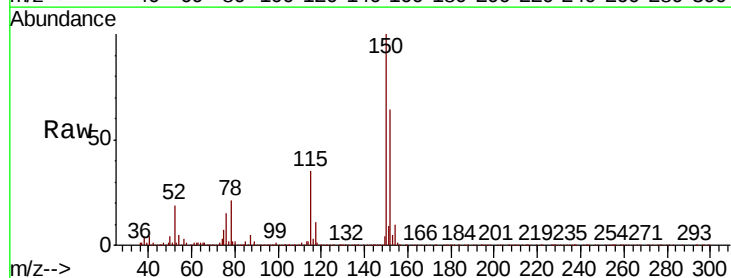
Instrument :
MSVOA_X
ClientSampleId :
MW-5

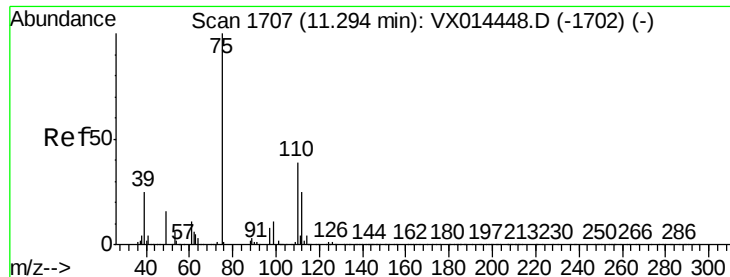
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	41.8	62.6
119	31.2	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014542.D
Acq: 10 Jan 2020 17:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	39.5	118.3
150	154.7	0.0	350.2





#76

1,2,3-Trichloropropane

Concen: 23.240 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

Instrument :

MSVOA_X

ClientSampled :

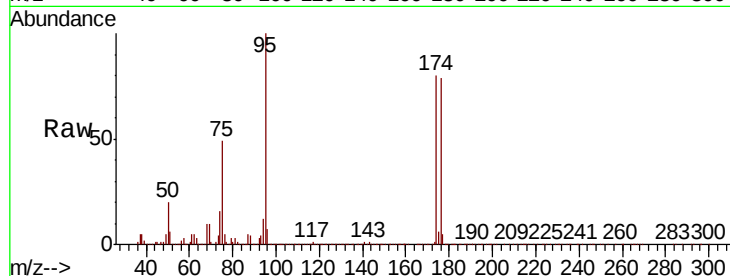
MW-5

Tot Ion: 75 Resp: 142473

Ion Ratio Lower Upper

75 100

77 1.4 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

120000

100000

80000

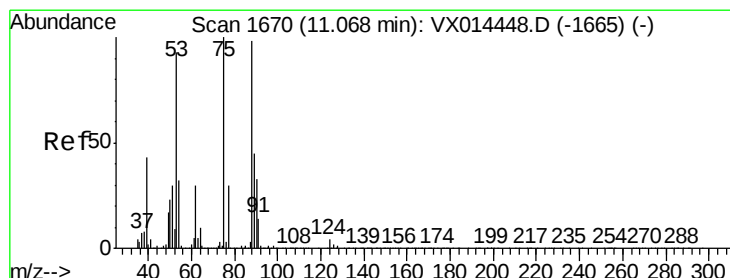
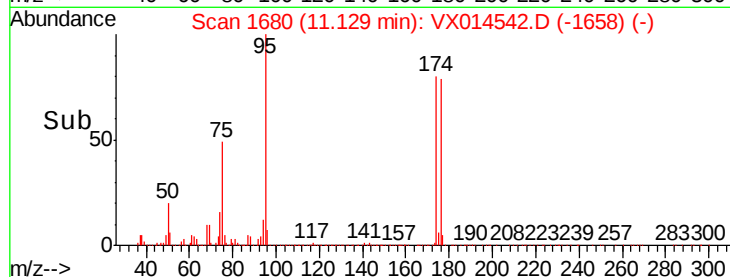
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.441 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014542.D

Acq: 10 Jan 2020 17:08

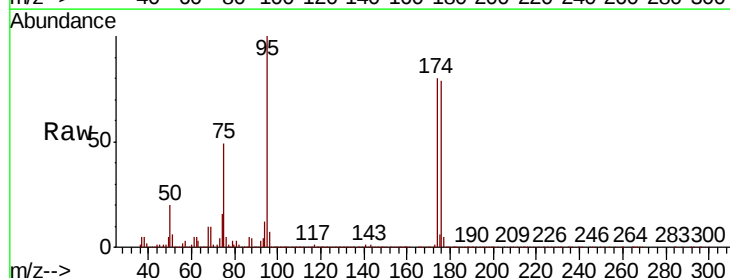
Tgt Ion: 75 Resp: 142473

Ion Ratio Lower Upper

75 100

53 0.0 74.8 112.2#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

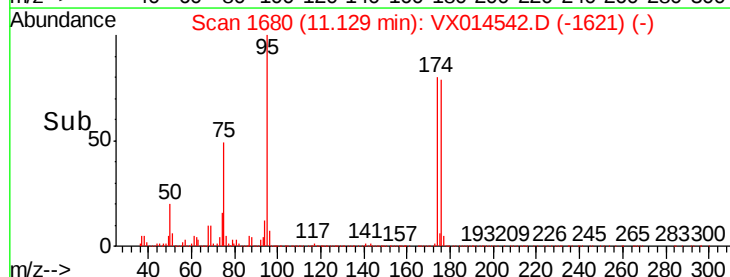
150000

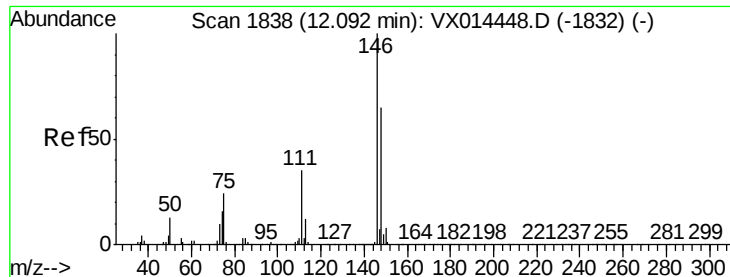
100000

50000

0

Time-->

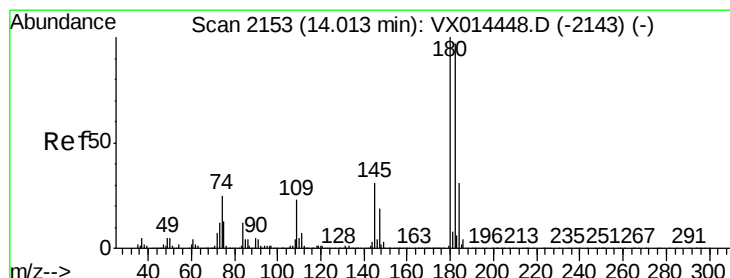
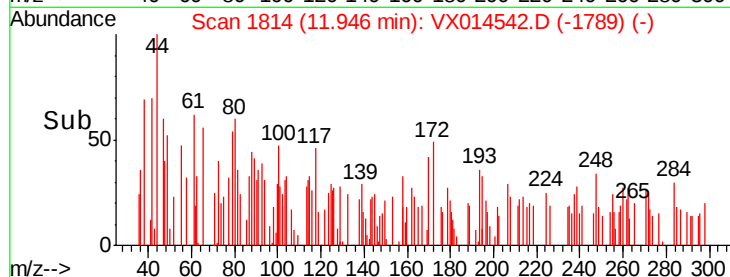
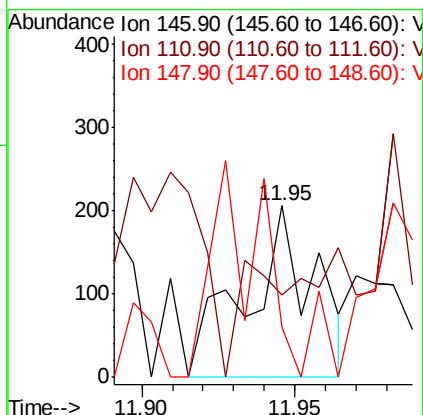
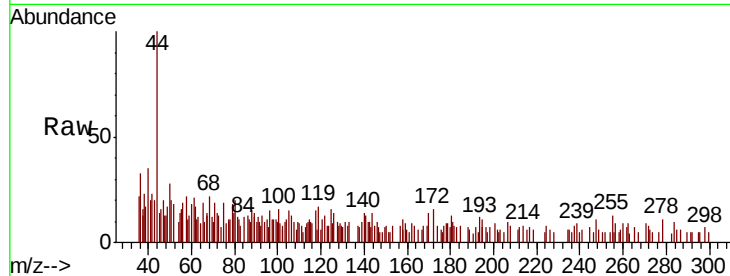




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 11.95 min Scan# 1814
 Delta R.T. -0.15 min
 Lab File: VX014542.D
 Acq: 10 Jan 2020 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.1	54.1
148	88.3	32.1	96.3



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.26 min Scan# 2193
 Delta R.T. 0.24 min
 Lab File: VX014542.D
 Acq: 10 Jan 2020 17:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	48.6	47.9	143.6
145	43.8	14.8	44.3

