

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013078.D
 Acq On : 15 Oct 2019 15:17
 Operator : JC/SP
 Sample : K5336-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-USMW025

Quant Time: Oct 16 06:00:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	266423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88636	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	101127	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	5.49	113	78672	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	8.71	98	310387	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	11.14	95	103217	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

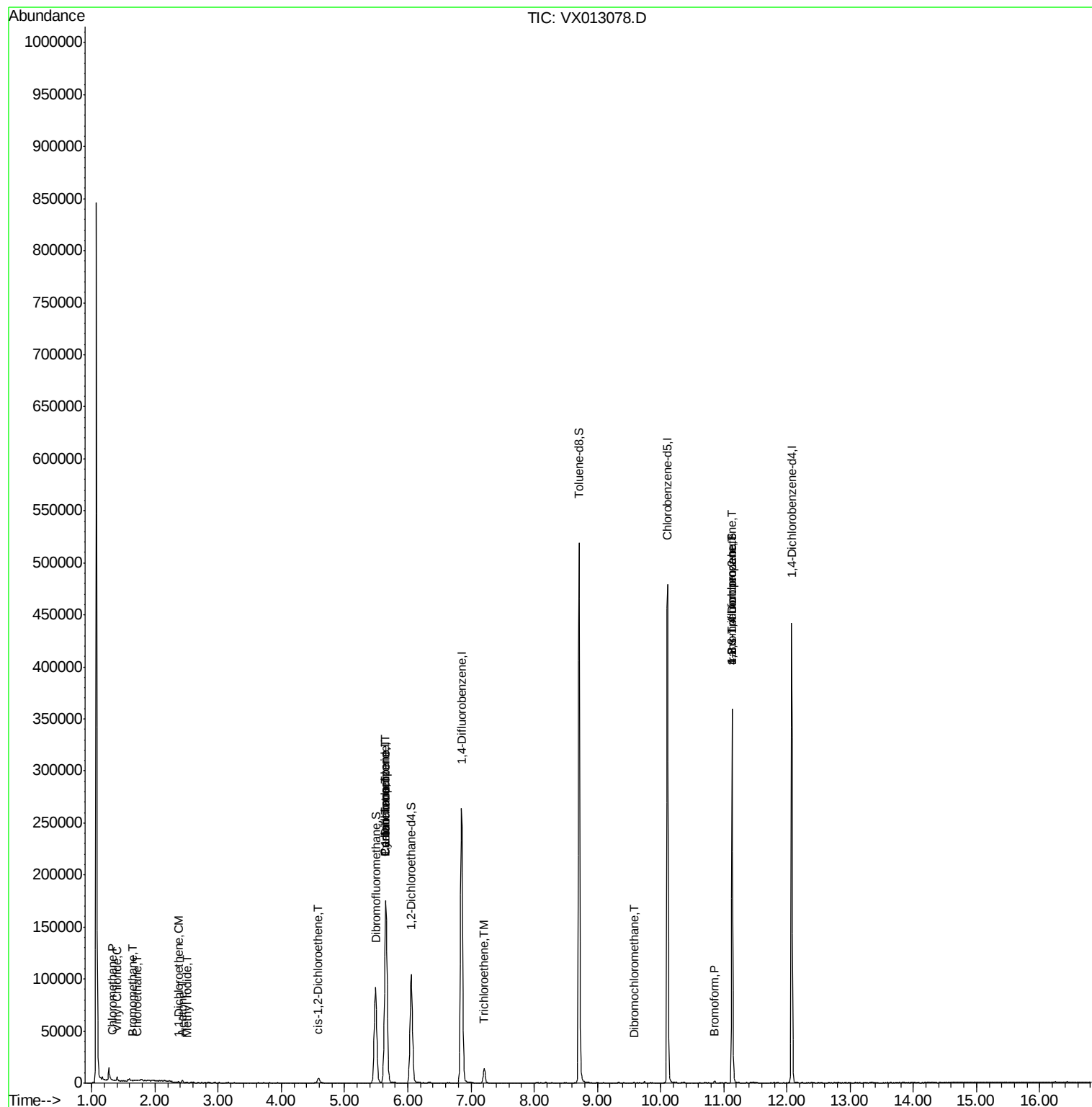
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	554	0.306	ug/l	89
4) Vinyl Chloride	1.40	62	2252	1.204	ug/l	93
5) Bromomethane	1.64	94	260	0.334	ug/l #	77
6) Chloroethane	1.72	64	1774	1.909	ug/l #	43
10) Methyl Iodide	2.51	142	157	5.158	ug/l #	69
12) 1,1-Dichloroethene	2.37	96	348	0.211	ug/l #	59
16) Acetone	2.43	43	2116	1.966	ug/l	93
27) cis-1,2-Dichloroethene	4.58	96	2542	1.247	ug/l	94
31) Cyclohexane	5.65	56	3411	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13232	5.649	ug/l #	50
38) Carbon Tetrachloride	5.65	117	16516	7.244	ug/l #	18
44) Trichloroethene	7.21	130	6260	3.263	ug/l	90
60) Dibromochloromethane	9.58	129	338	2.024	ug/l	98
71) Bromoform	10.85	173	702	3.635	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	51697	26.296	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	51697	66.181	ug/l #	10

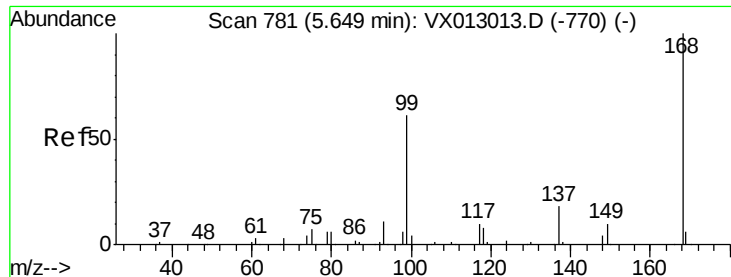
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

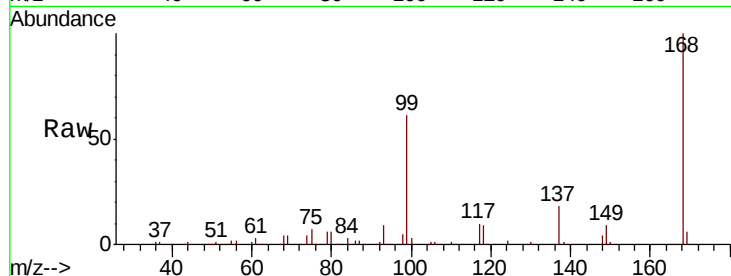
FA19-USMW025

Tot Ion:168 Resp: 163337

Ion Ratio Lower Upper

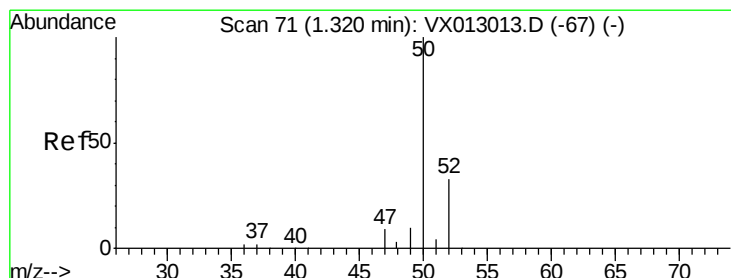
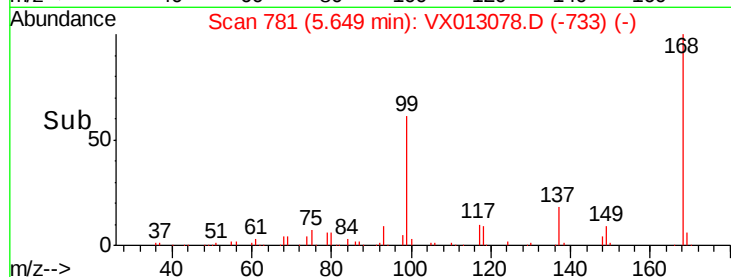
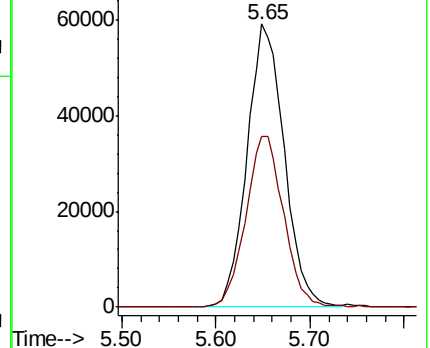
168 100

99 60.5 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.306 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013078.D

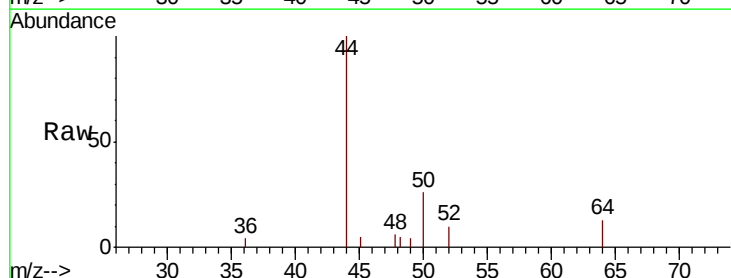
Acq: 15 Oct 2019 15:17

Tgt Ion: 50 Resp: 554

Ion Ratio Lower Upper

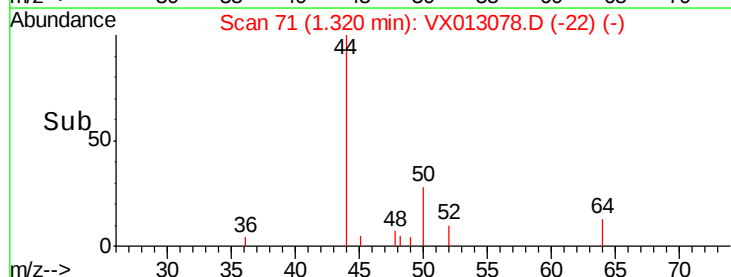
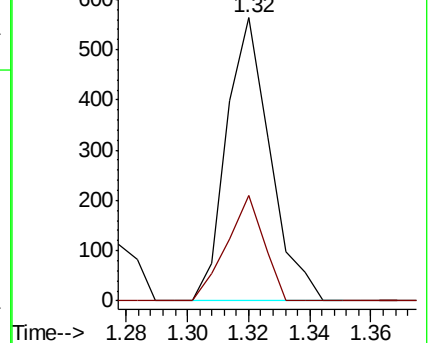
50 100

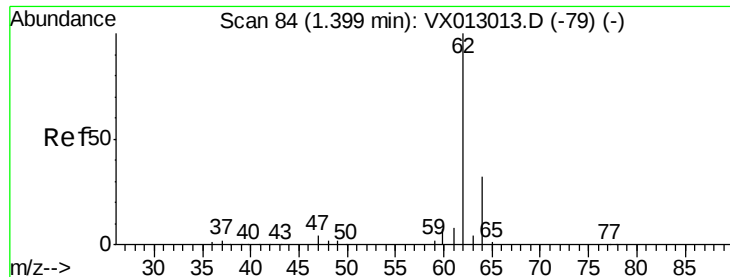
52 37.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 1.204 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

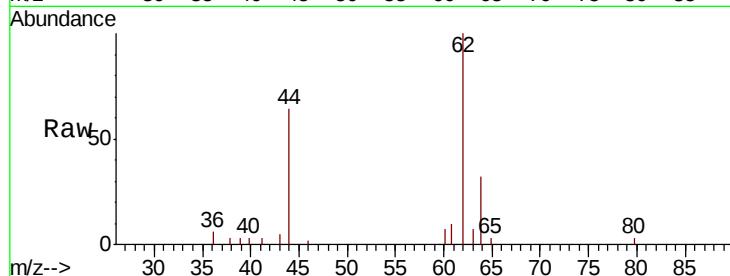
FA19-USMW025

Tot Ion: 62 Resp: 2252

Ion Ratio Lower Upper

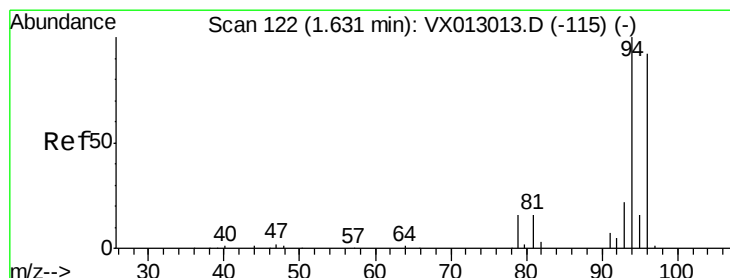
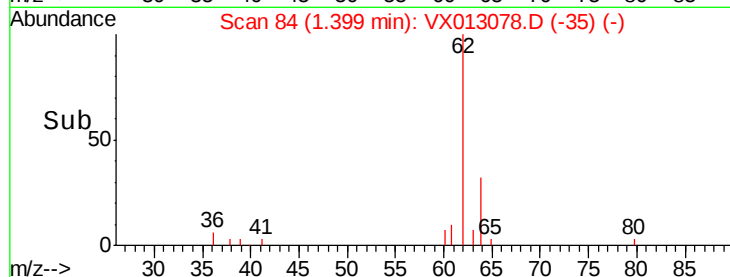
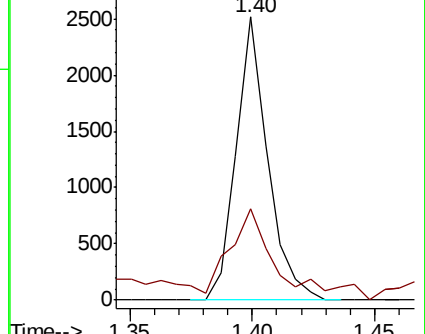
62 100

64 27.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.334 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013078.D

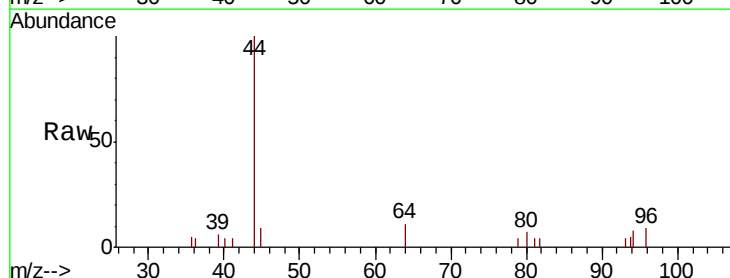
Acq: 15 Oct 2019 15:17

Tgt Ion: 94 Resp: 260

Ion Ratio Lower Upper

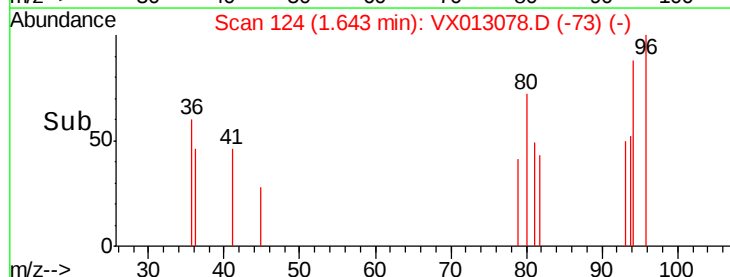
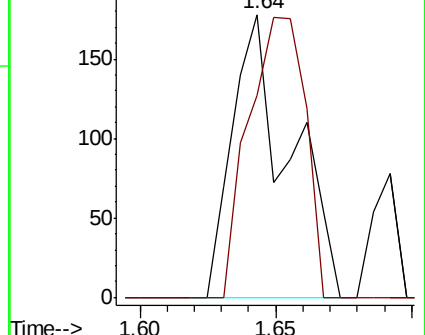
94 100

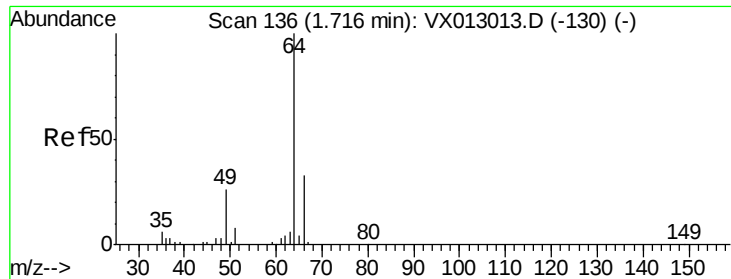
96 71.3 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.909 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

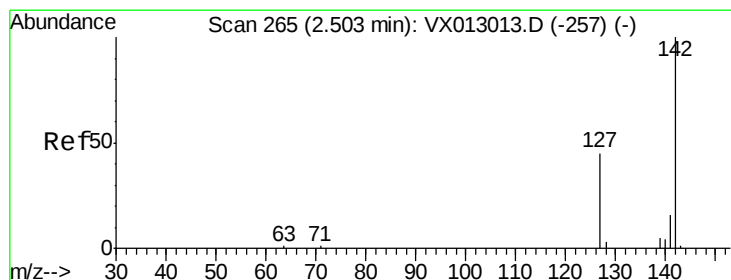
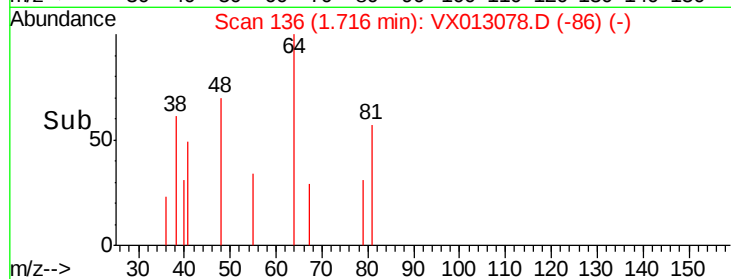
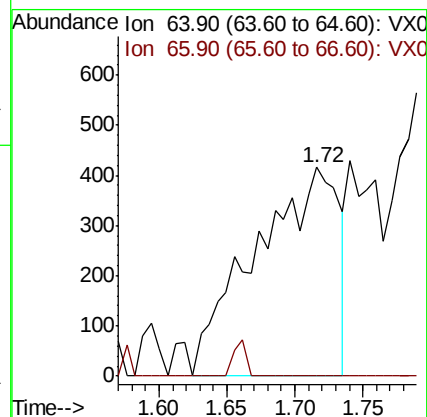
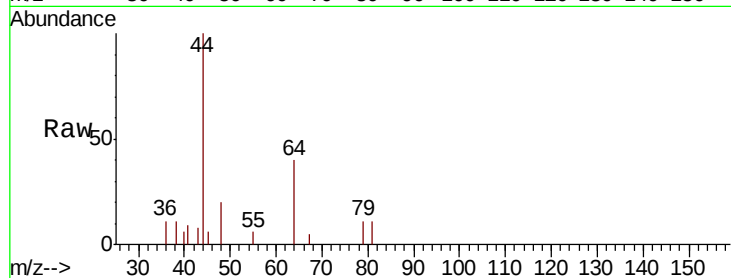
FA19-USMW025

Tot Ion: 64 Resp: 1774

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.158 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

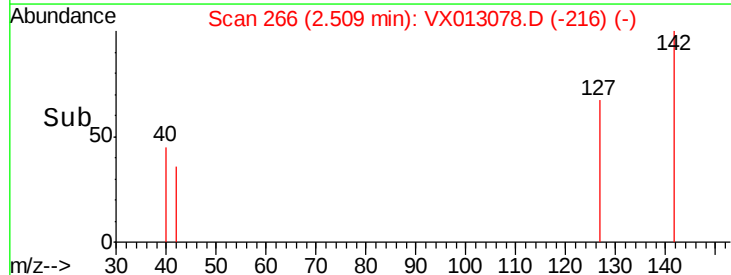
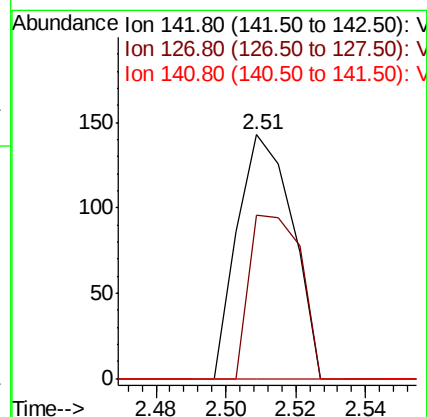
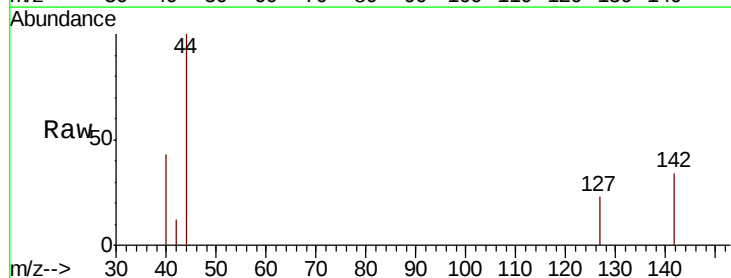
Tgt Ion: 142 Resp: 157

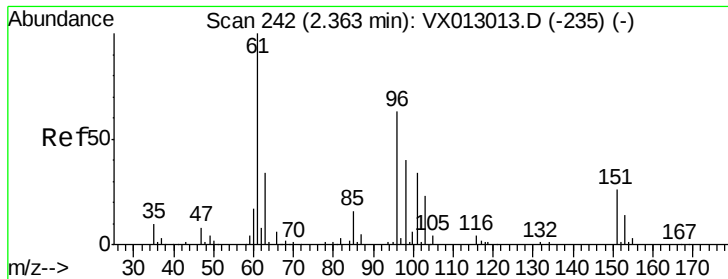
Ion Ratio Lower Upper

142 100

127 62.4 34.9 52.3#

141 0.0 11.6 17.4#





#12

1,1-Dichloroethene

Concen: 0.211 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

FA19-USMW025

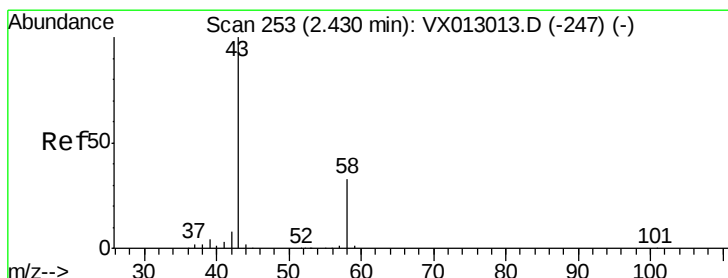
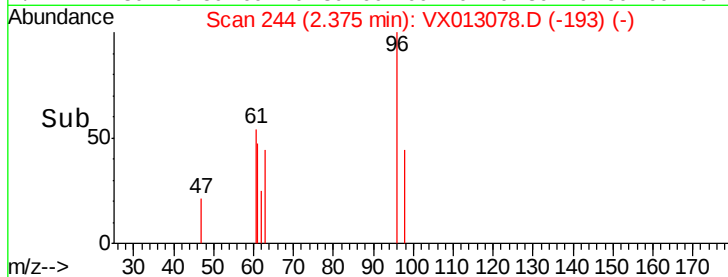
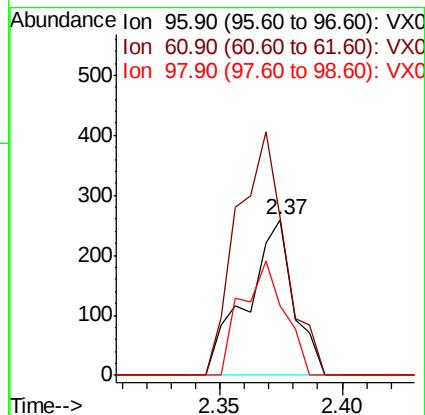
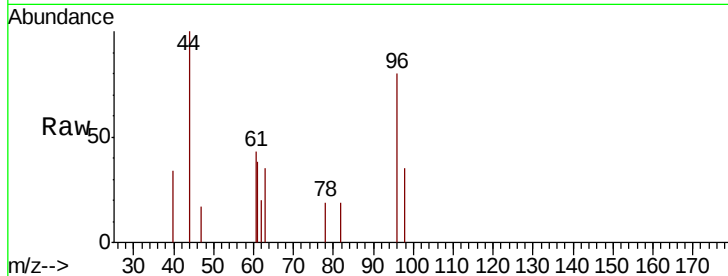
Tot Ion: 96 Resp: 348

Ion Ratio Lower Upper

96 100

61 101.5 132.2 198.4#

98 44.4 50.5 75.7#



#16

Acetone

Concen: 1.966 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013078.D

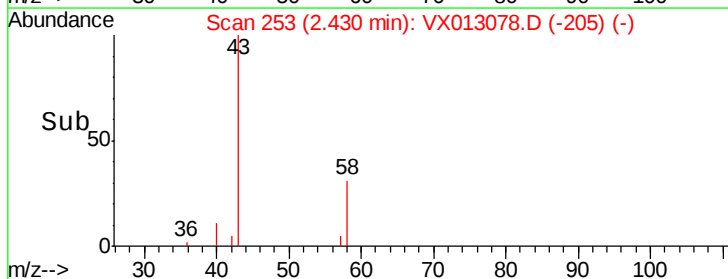
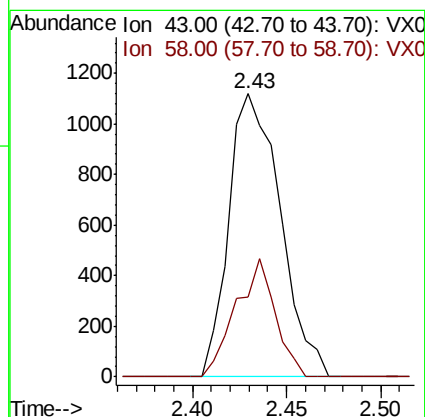
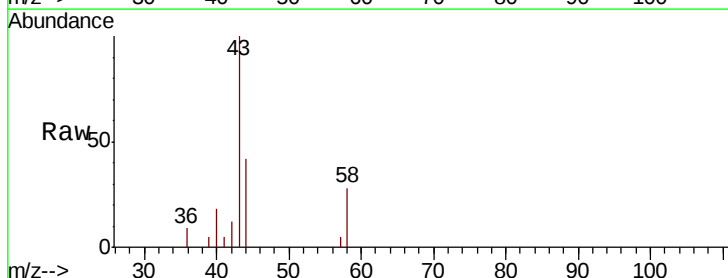
Acq: 15 Oct 2019 15:17

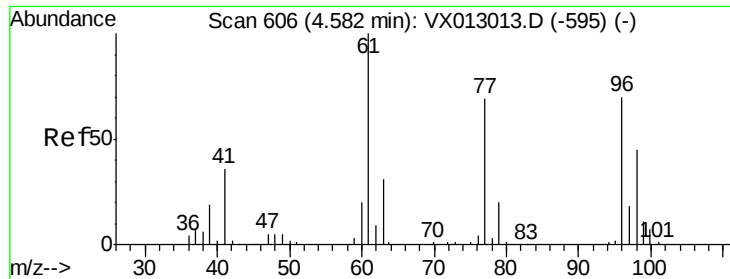
Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

43 100

58 28.1 25.4 38.2

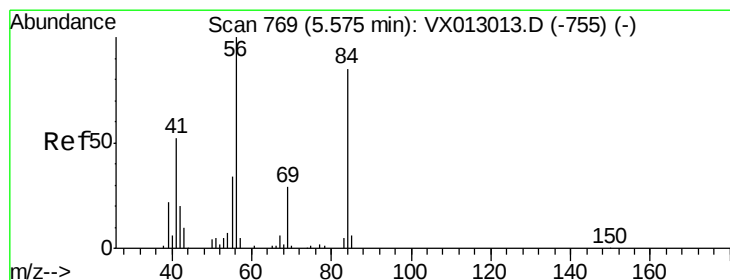
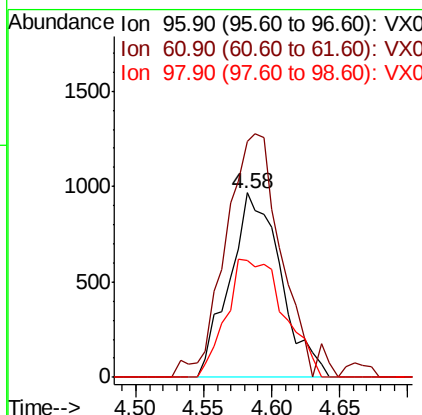
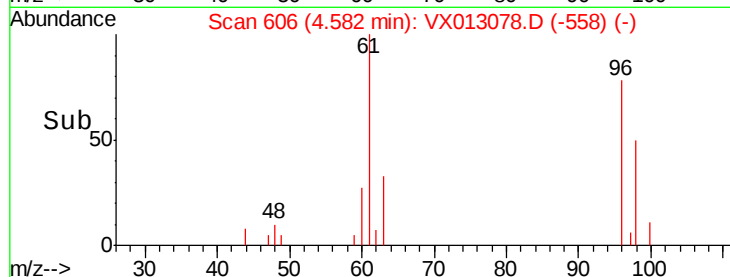
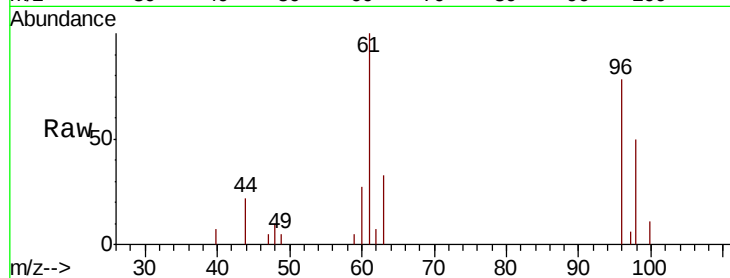




#27
 cis-1,2-Dichloroethene
 Concen: 1.247 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX013078.D
 Acq: 15 Oct 2019 15:17

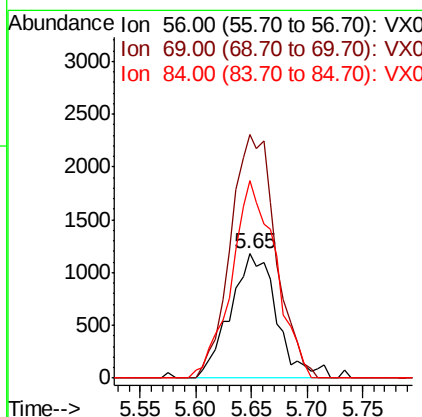
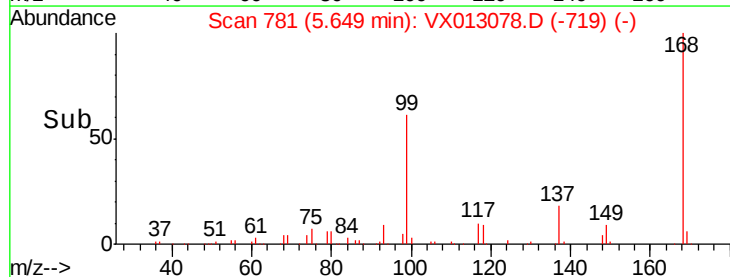
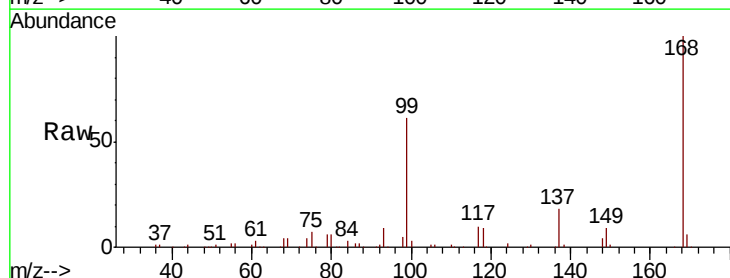
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-USMW025

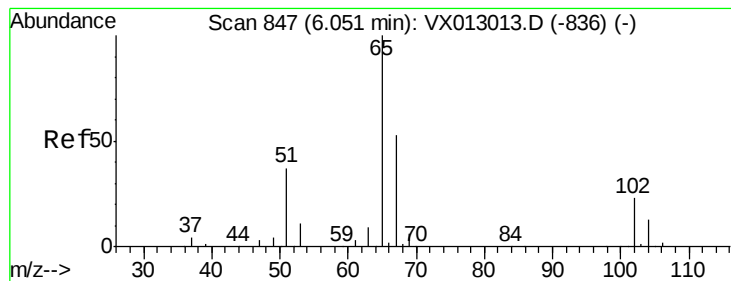
Tot Ion: 96 Resp: 2542
 Ion Ratio Lower Upper
 96 100
 61 139.8 0.0 290.6
 98 72.3 0.0 128.8



#31
 Cyclohexane
 Concen: 1.151 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.08 min
 Lab File: VX013078.D
 Acq: 15 Oct 2019 15:17

Tgt Ion: 56 Resp: 3411
 Ion Ratio Lower Upper
 56 100
 69 196.3 25.2 37.8#
 84 159.6 71.3 106.9#





#33

1,2-Dichloroethane-d4

Concen: 49.535 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

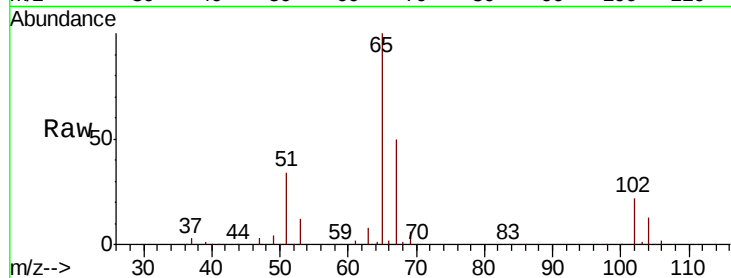
FA19-USMW025

Tot Ion: 65 Resp: 101127

Ion Ratio Lower Upper

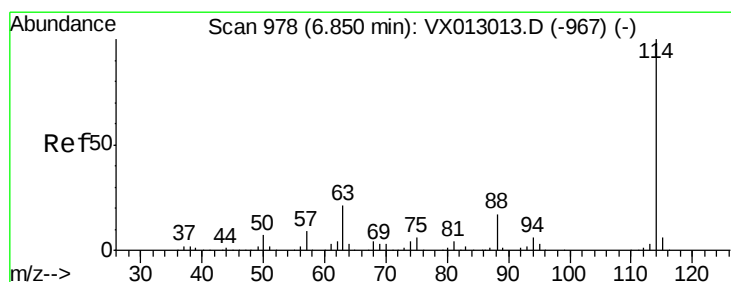
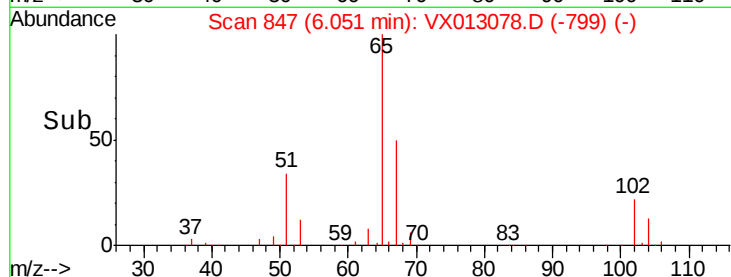
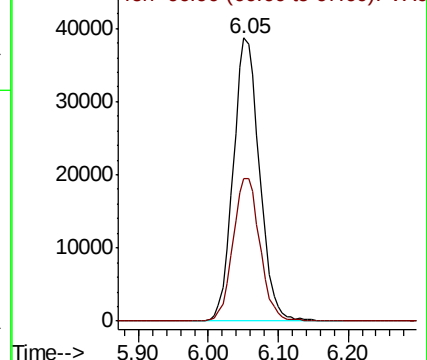
65 100

67 51.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

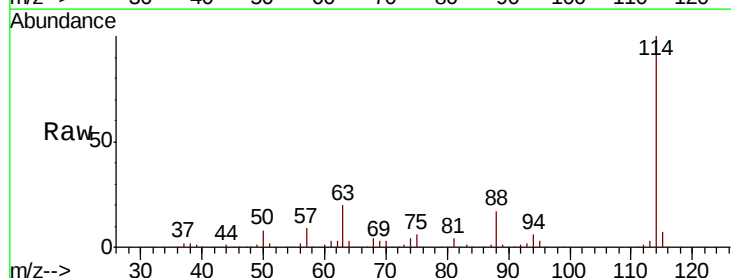
Tgt Ion: 114 Resp: 266423

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

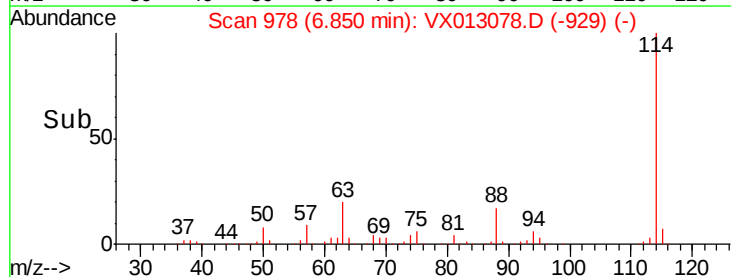
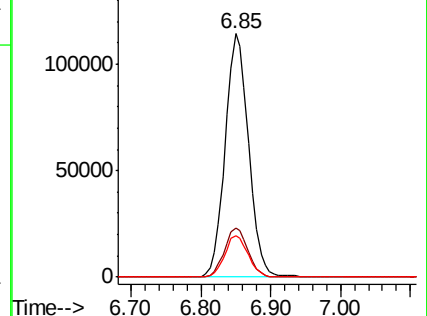
88 17.2 0.0 33.8

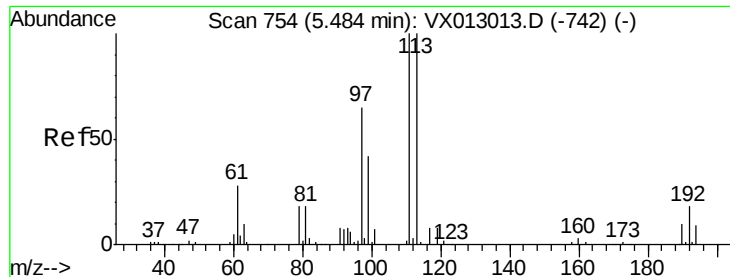


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.449 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

FA19-USMW025

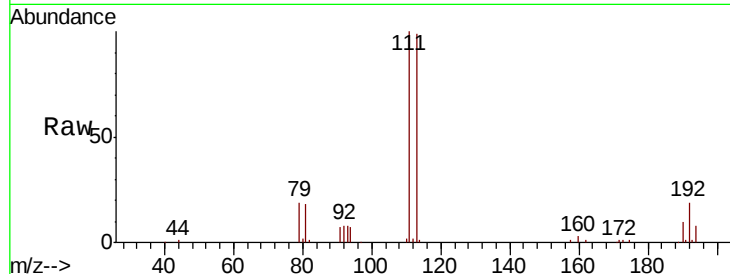
Tot Ion:113 Resp: 78672

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

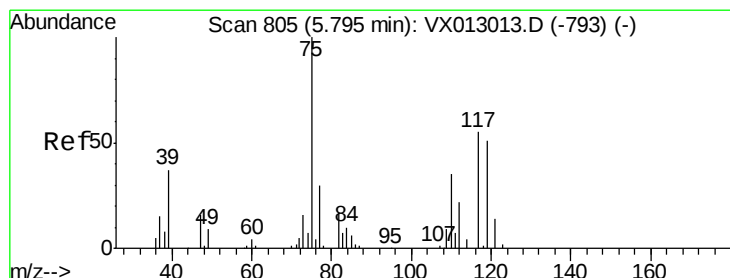
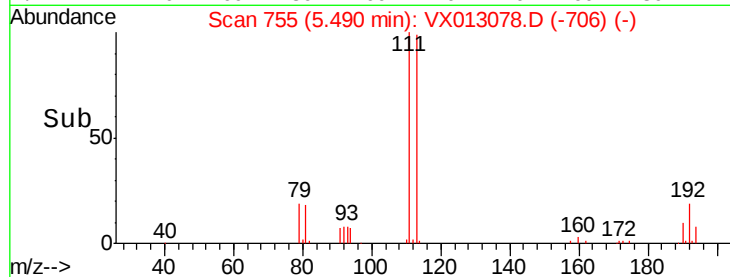
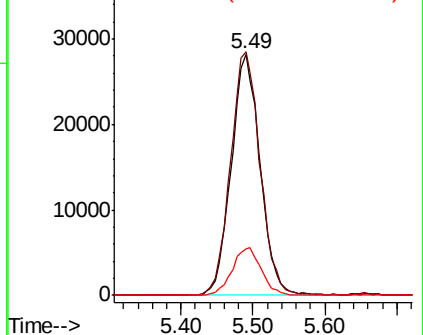
192 19.7 15.4 23.2



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: 5.649 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

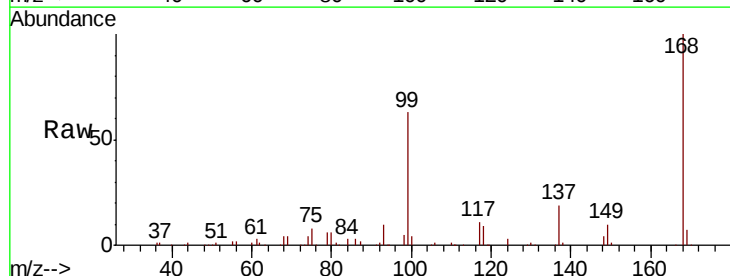
Tgt Ion: 75 Resp: 13232

Ion Ratio Lower Upper

75 100

110 9.4 17.6 52.9#

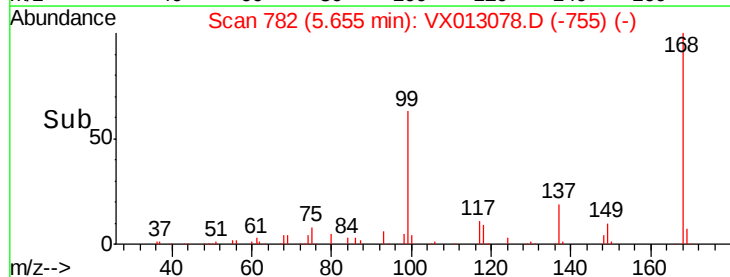
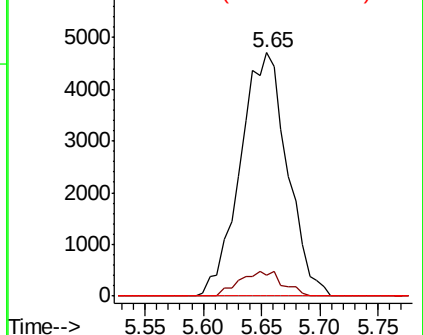
77 0.0 24.4 36.6#

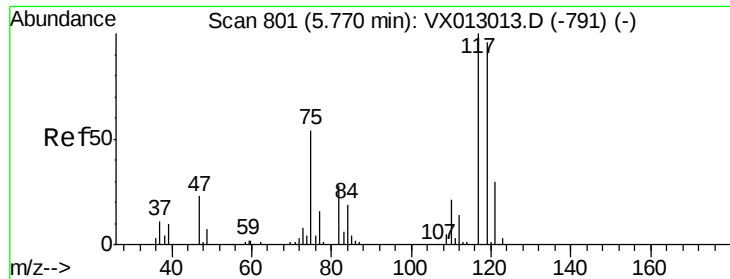


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.244 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

FA19-USMW025

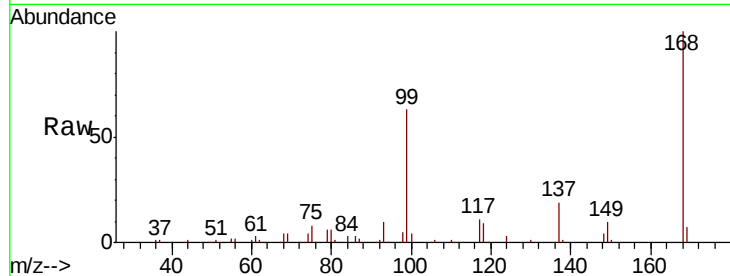
Tot Ion:117 Resp: 16516

Ion Ratio Lower Upper

117 100

119 6.0 74.5 111.7#

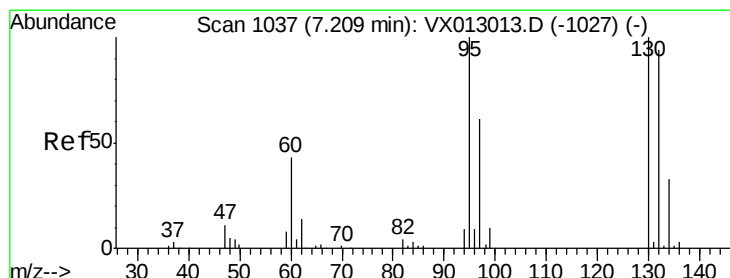
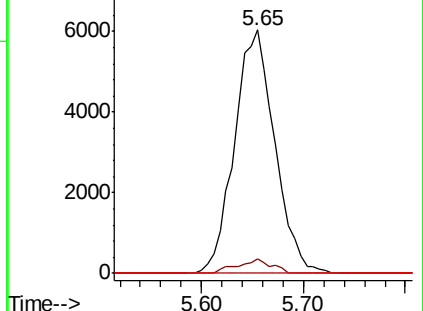
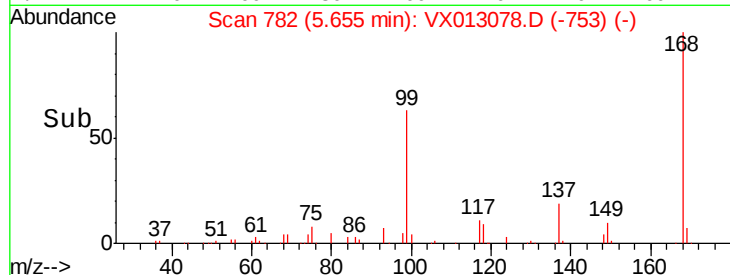
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 3.263 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX013078.D

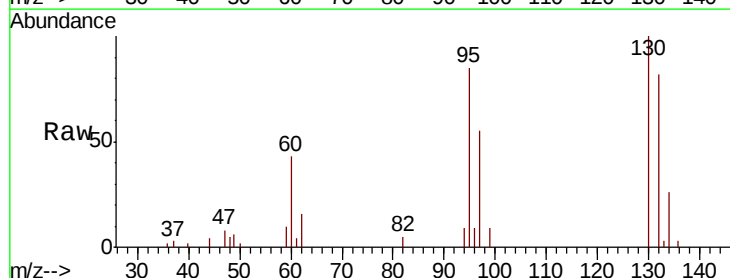
Acq: 15 Oct 2019 15:17

Tgt Ion:130 Resp: 6260

Ion Ratio Lower Upper

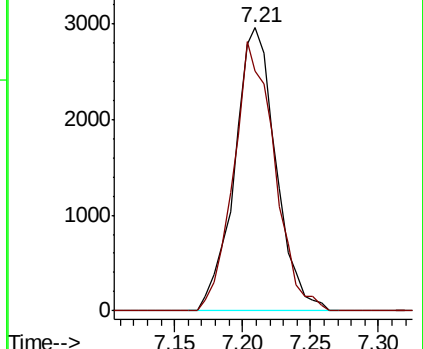
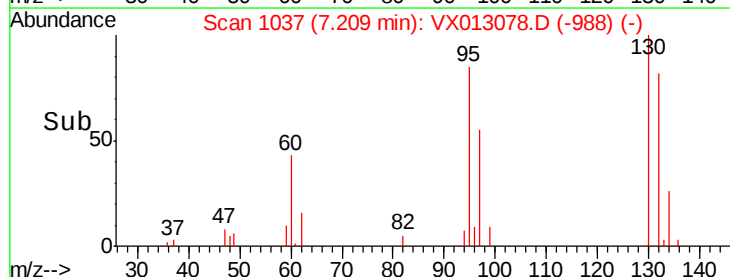
130 100

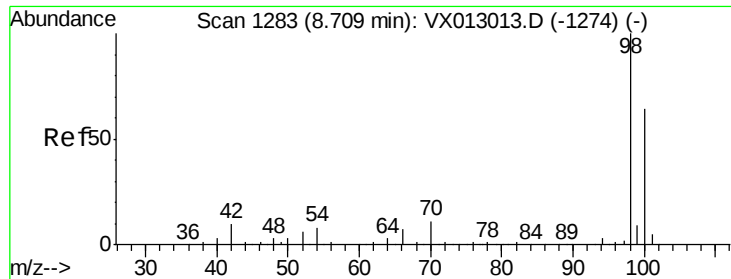
95 84.7 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

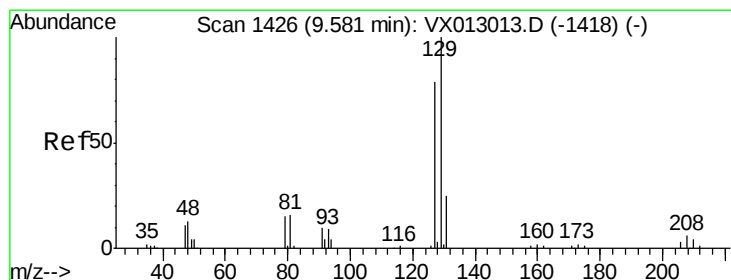
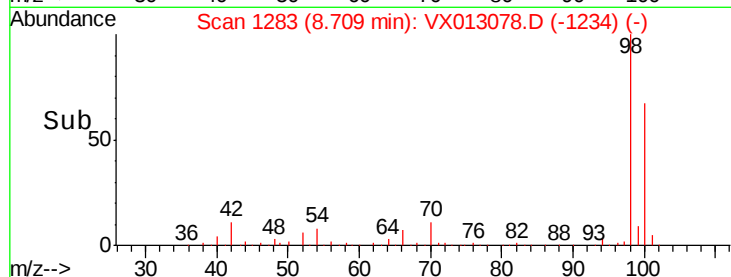
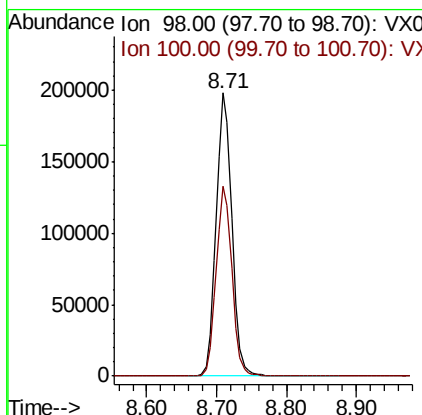
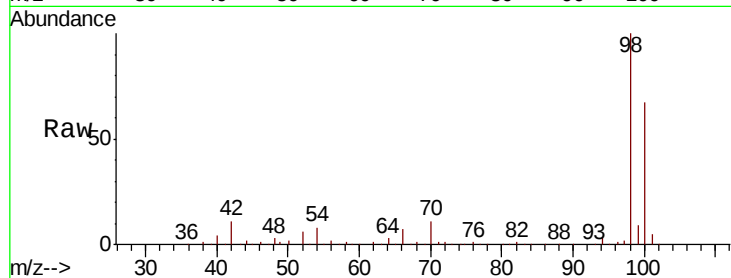




#50
Toluene-d8
Concen: 52.044 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013078.D
Acq: 15 Oct 2019 15:17

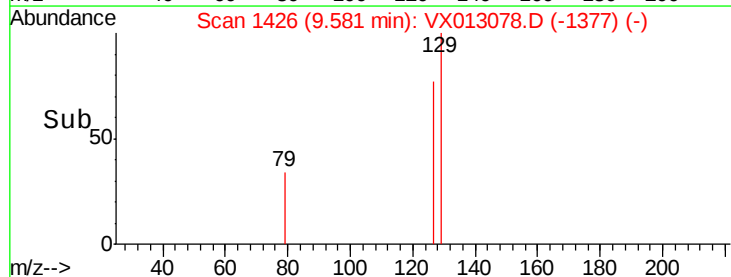
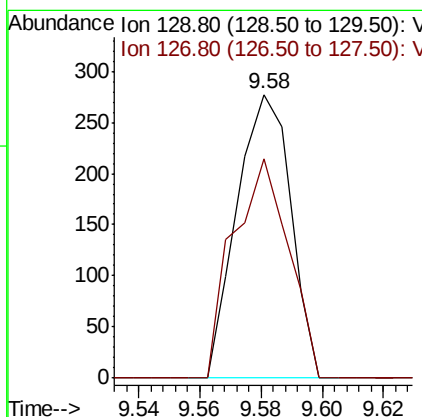
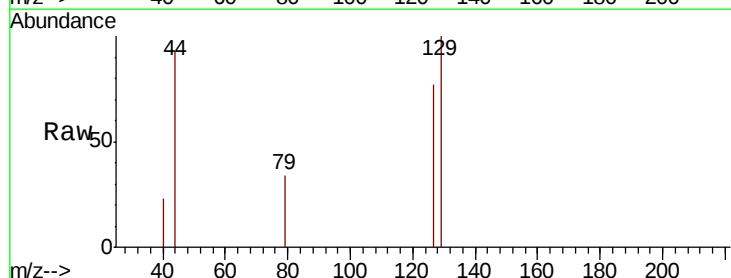
Instrument :
MSVOA_X
ClientSampleId :
FA19-USMW025

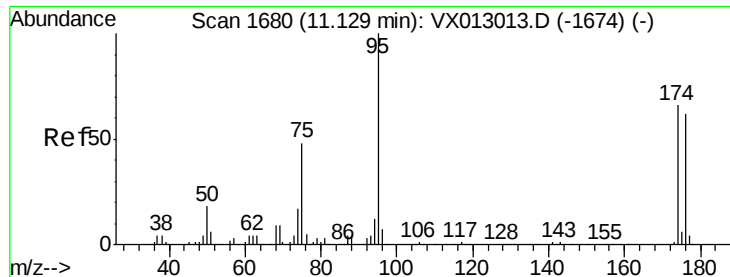
Tot Ion: 98 Resp: 310387
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



#60
Dibromochloromethane
Concen: 2.024 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013078.D
Acq: 15 Oct 2019 15:17

Tgt Ion:129 Resp: 338
Ion Ratio Lower Upper
129 100
127 79.9 38.9 116.7





#62

4-Bromofluorobenzene

Concen: 44.541 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

FA19-USMW025

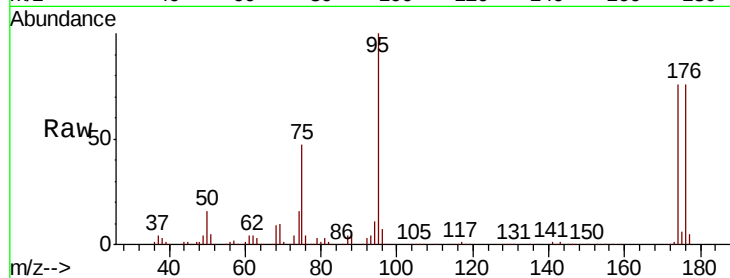
Tot Ion: 95 Resp: 103217

Ion Ratio Lower Upper

95 100

174 73.4 0.0 143.4

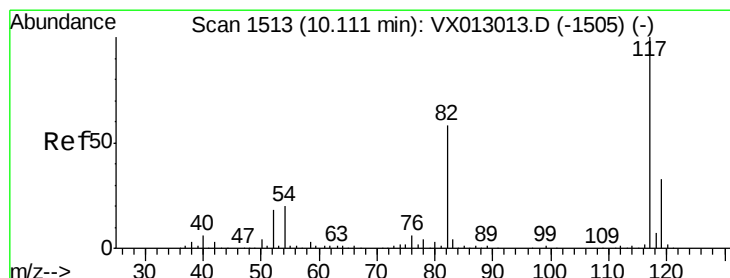
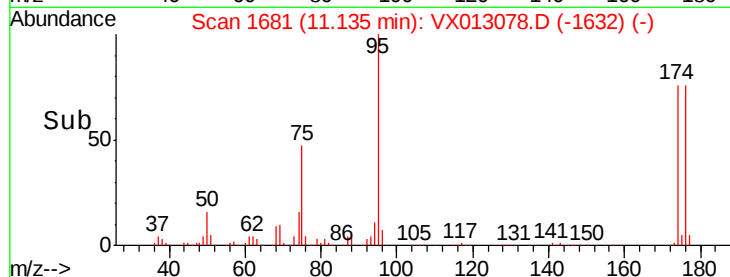
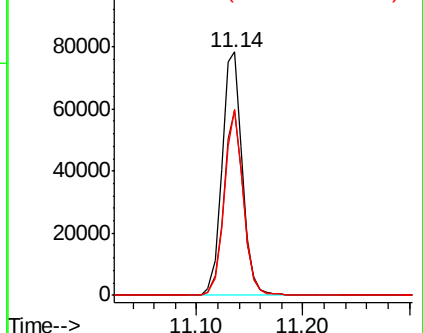
176 71.8 0.0 136.0



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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

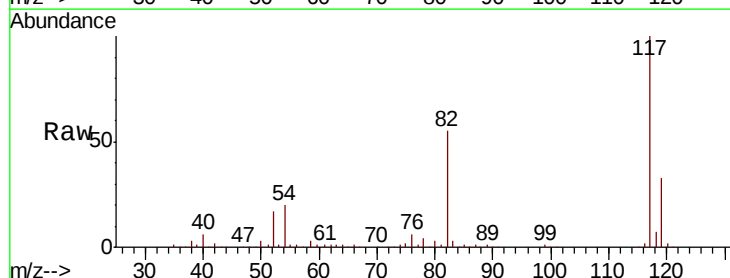
Tgt Ion: 117 Resp: 223496

Ion Ratio Lower Upper

117 100

82 55.3 44.1 66.1

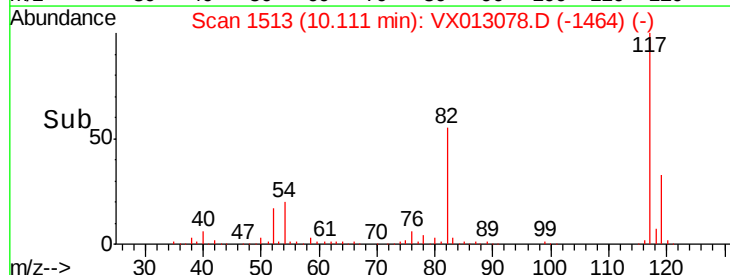
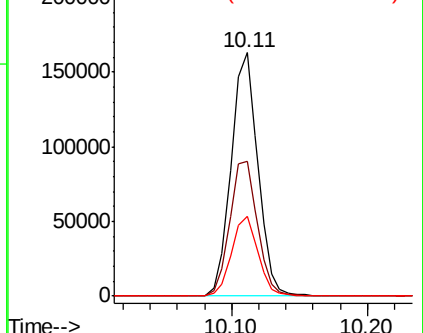
119 32.8 25.8 38.8

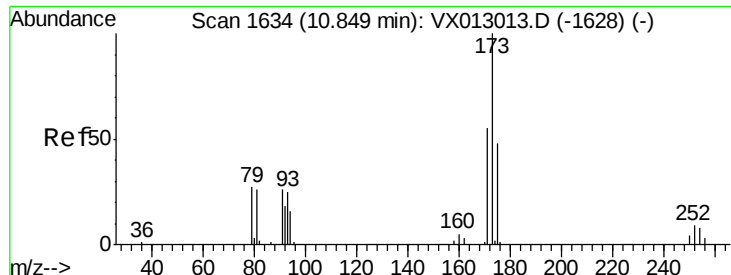


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

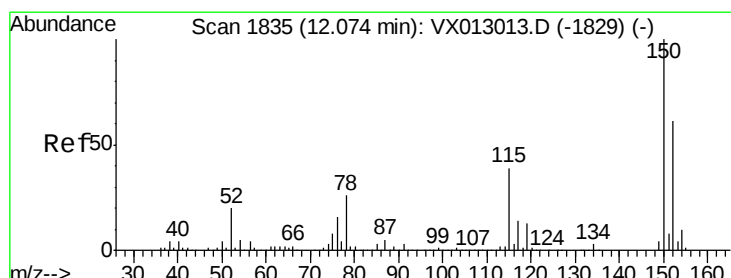
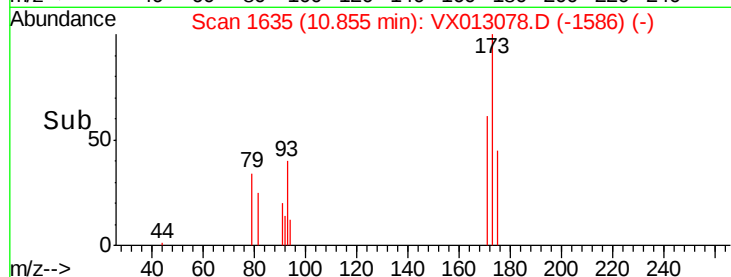
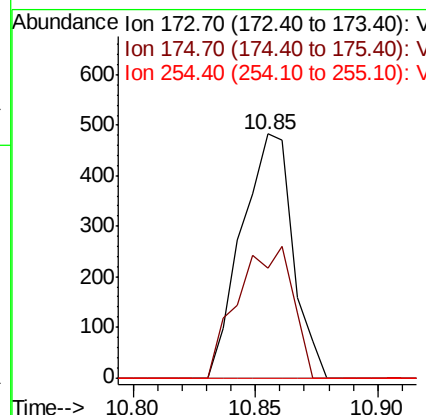
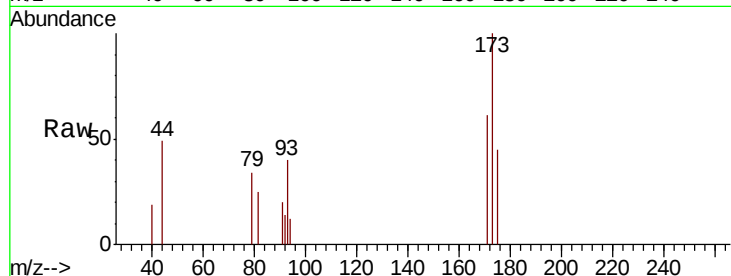




#71
Bromoform
Concen: 3.635 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013078.D
Acq: 15 Oct 2019 15:17

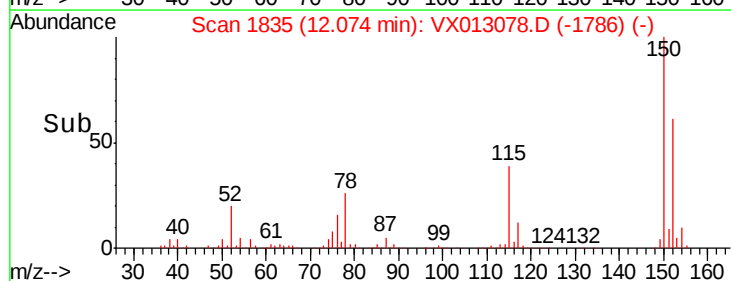
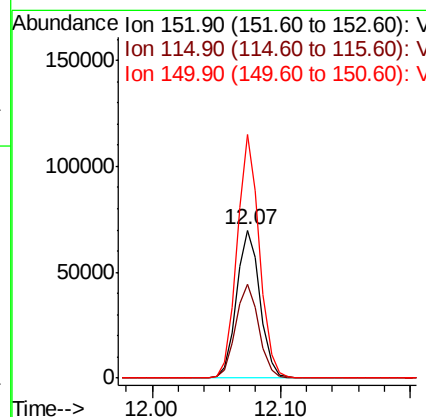
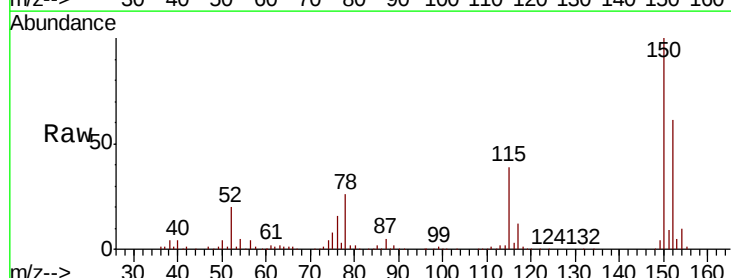
Instrument :
MSVOA_X
ClientSampleId :
FA19-USMW025

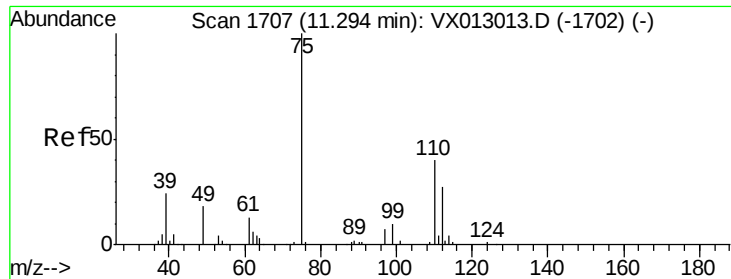
Tot Ion:173 Resp: 702
Ion Ratio Lower Upper
173 100
175 57.8 24.1 72.3
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013078.D
Acq: 15 Oct 2019 15:17

Tgt Ion:152 Resp: 88636
Ion Ratio Lower Upper
152 100
115 63.5 44.5 133.5
150 157.3 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 26.296 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

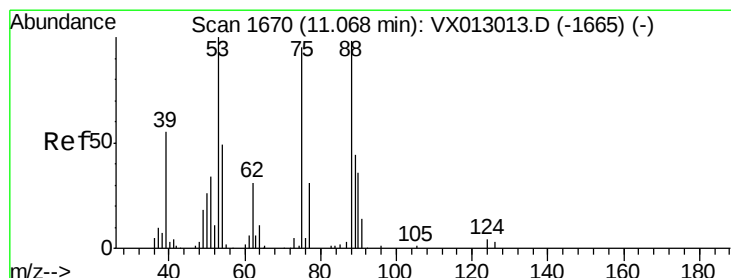
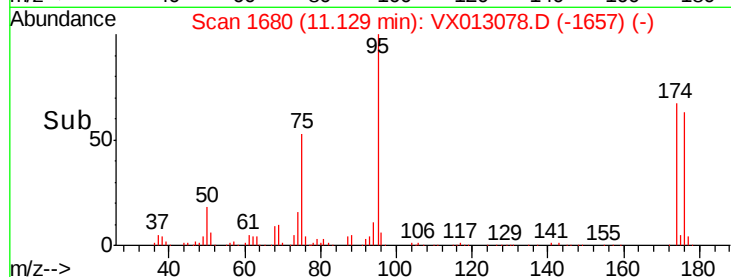
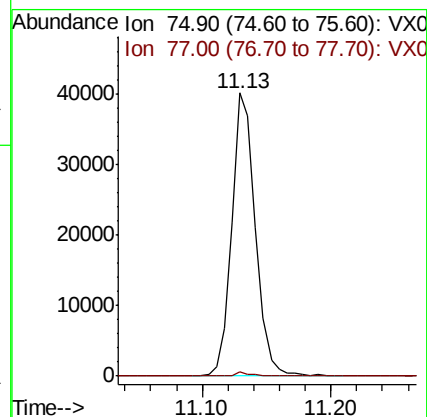
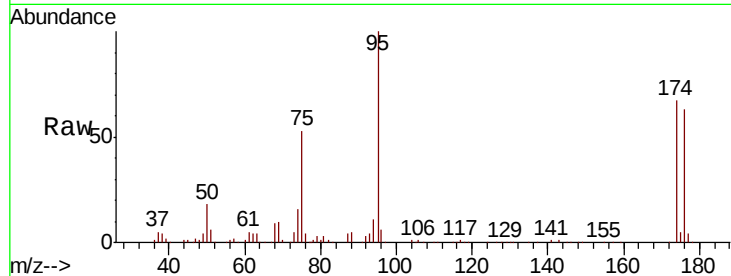
FA19-USMW025

Tot Ion: 75 Resp: 51697

Ion Ratio Lower Upper

75 100

77 1.1 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.181 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013078.D

Acq: 15 Oct 2019 15:17

Tgt Ion: 75 Resp: 51697

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

