

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013058.D
 Acq On : 14 Oct 2019 17:39
 Operator : JC/SP
 Sample : K5313-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ1780

Quant Time: Oct 15 01:28:09 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	176297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	285932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101290	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	108922	49.43	ug/l	0.00
Spiked Amount						
			Recovery	=	98.86%	
35) Dibromofluoromethane	5.49	113	84940	51.76	ug/l	0.00
Spiked Amount						
			Recovery	=	103.52%	
50) Toluene-d8	8.71	98	334745	52.30	ug/l	0.00
Spiked Amount						
			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.14	95	114063	45.86	ug/l	0.00
Spiked Amount						
			Recovery	=	91.72%	

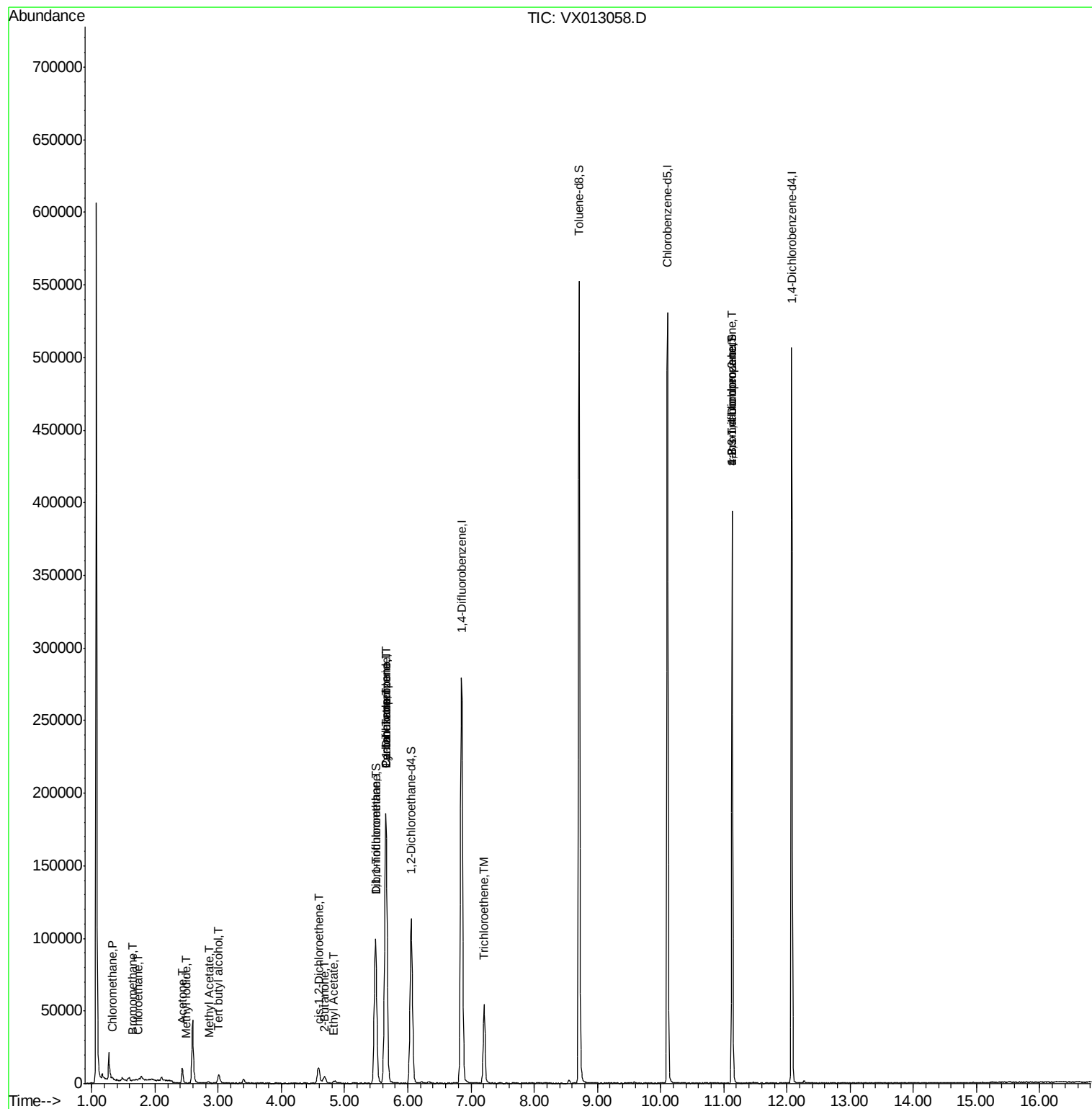
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	795	0.406	ug/l #	82
5) Bromomethane	1.65	94	306	0.365	ug/l #	70
6) Chloroethane	1.73	64	1197	1.331	ug/l #	43
10) Methyl Iodide	2.50	142	51	5.105	ug/l #	40
11) Tert butyl alcohol	3.01	59	4781	8.185	ug/l #	73
16) Acetone	2.43	43	10737	9.244	ug/l	93
18) Methyl Acetate	2.85	43	599	0.218	ug/l #	51
25) 2-Butanone	4.68	43	743	0.461	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	6906	3.138	ug/l	95
31) Cyclohexane	5.65	56	3634	1.136	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	881	0.296	ug/l #	48
36) 1,1-Dichloropropene	5.65	75	13700	5.450	ug/l #	51
37) Ethyl Acetate	4.83	43	3363	1.196	ug/l	96
38) Carbon Tetrachloride	5.65	117	17406	7.113	ug/l #	16
44) Trichloroethene	7.21	130	21323	10.356	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	54662	24.331	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	54662	61.540	ug/l #	10

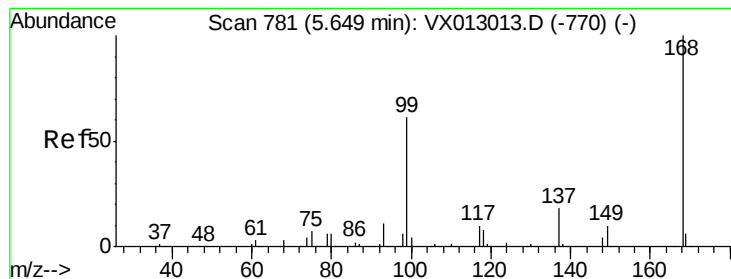
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013058.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

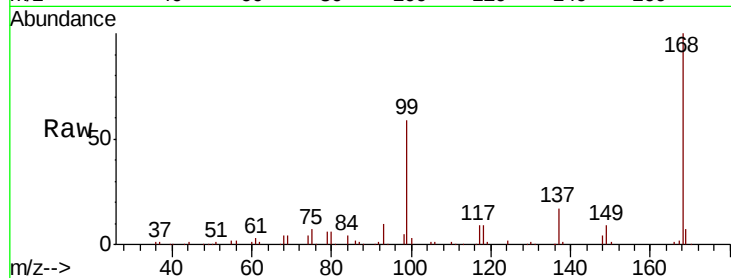
FA19-JPZ1780

Tot Ion:168 Resp: 176297

Ion Ratio Lower Upper

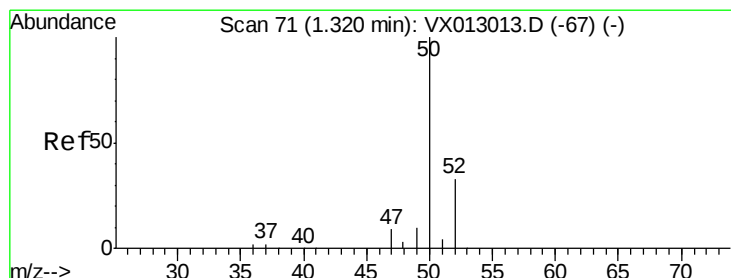
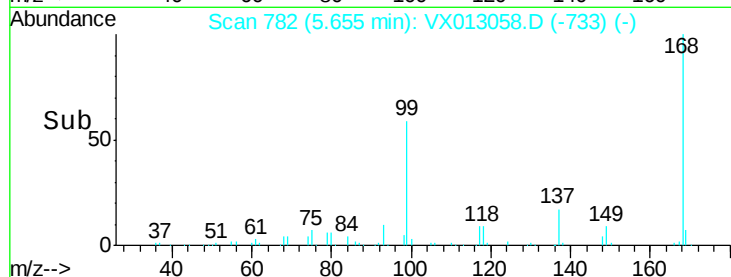
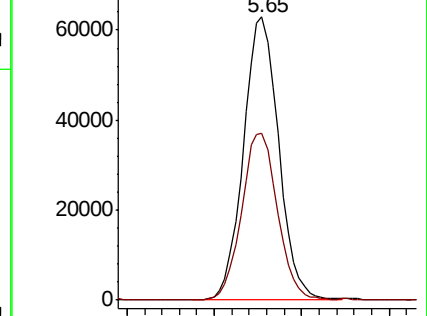
168 100

99 59.0 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: 0.406 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013058.D

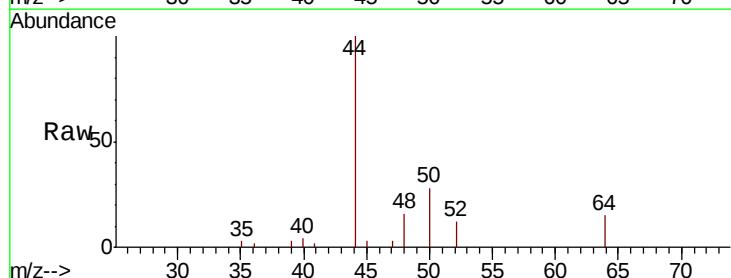
Acq: 14 Oct 2019 17:39

Tgt Ion: 50 Resp: 795

Ion Ratio Lower Upper

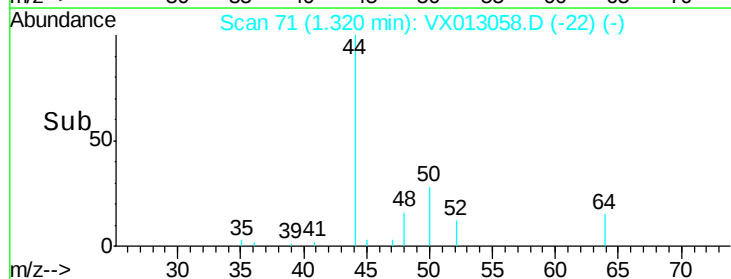
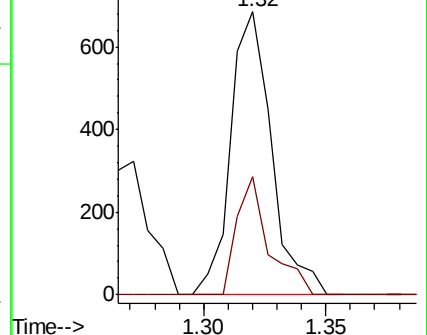
50 100

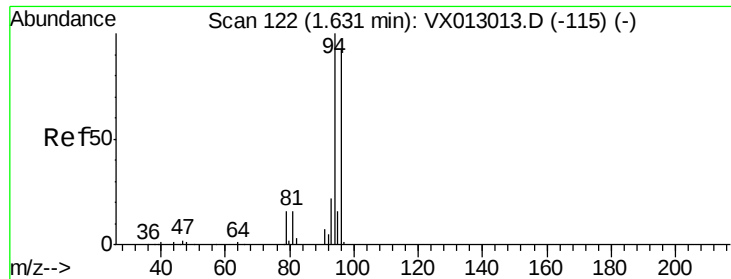
52 41.6 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.365 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013058.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

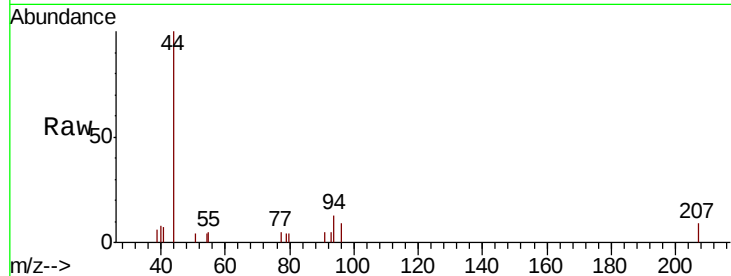
FA19-JPZ1780

Tot Ion: 94 Resp: 306

Ion Ratio Lower Upper

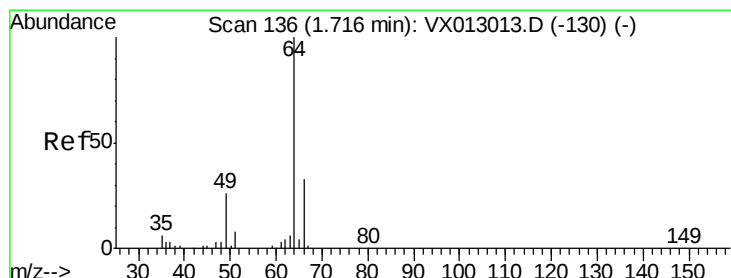
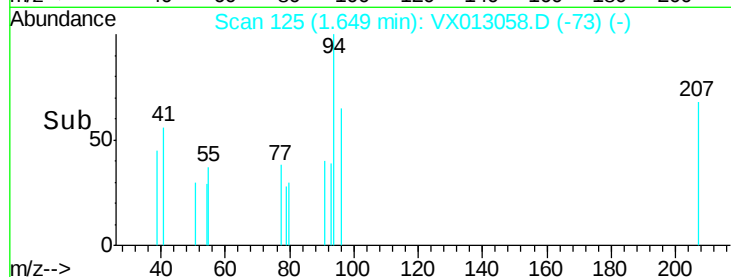
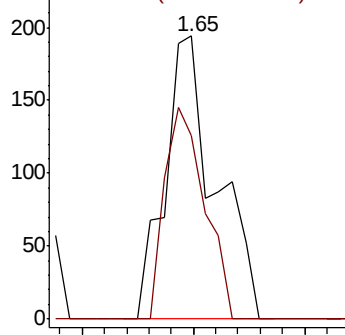
94 100

96 64.9 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: 1.331 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX013058.D

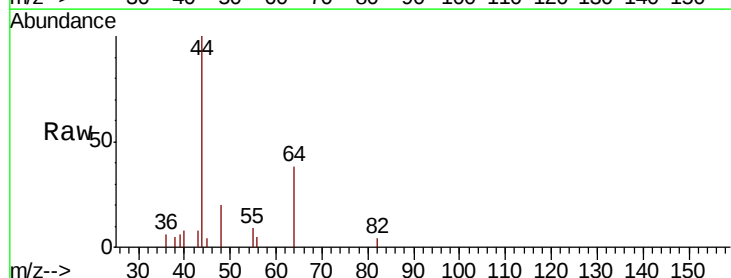
Acq: 14 Oct 2019 17:39

Tgt Ion: 64 Resp: 1197

Ion Ratio Lower Upper

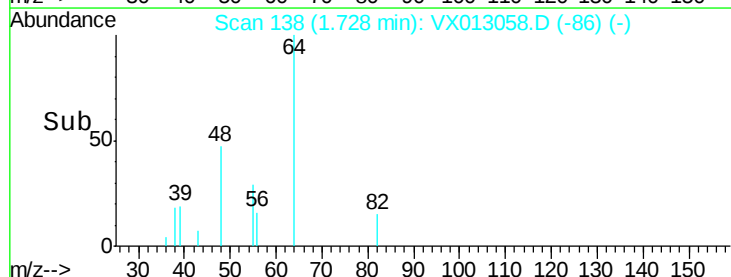
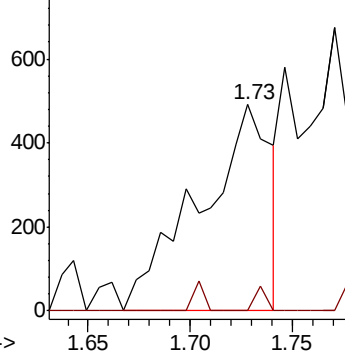
64 100

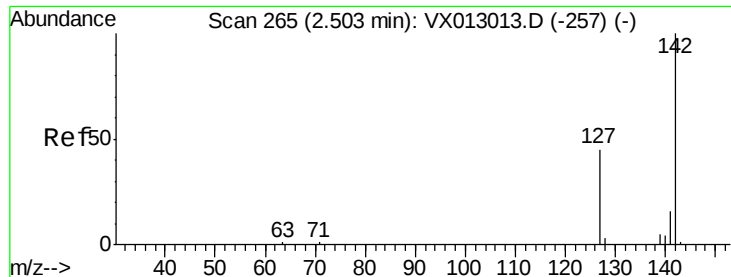
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

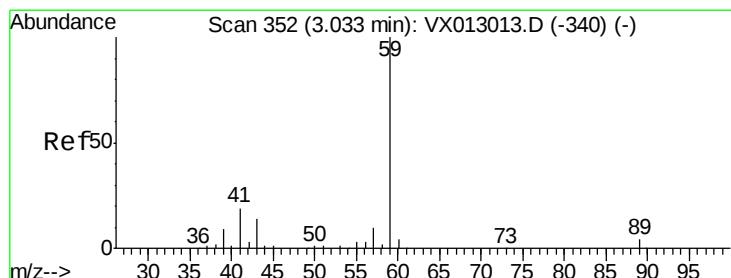
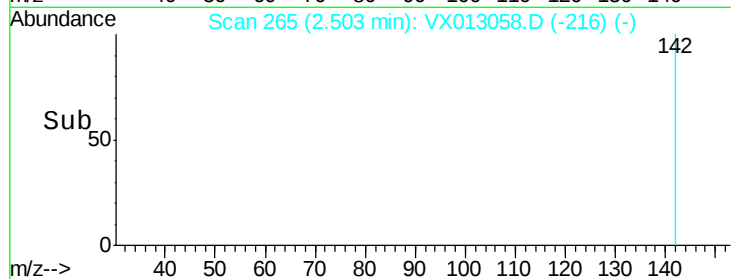
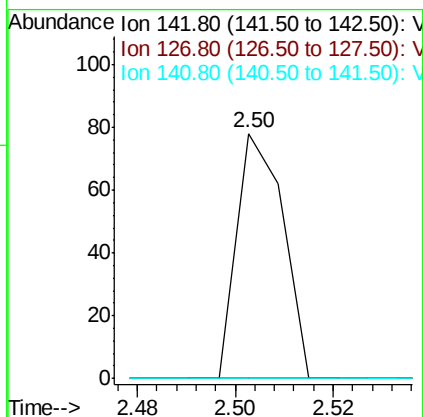
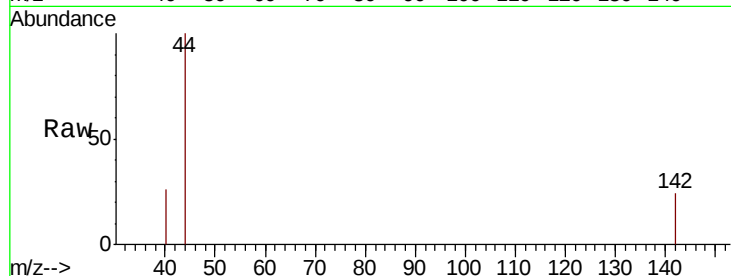




#10
Methvl Iodide
Concen: 5.105 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013058.D
Acq: 14 Oct 2019 17:39

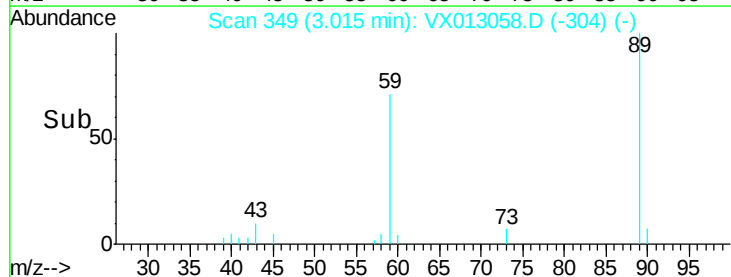
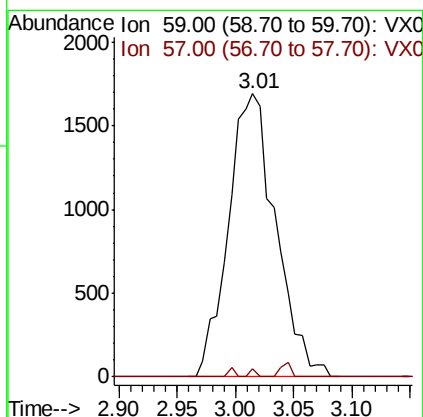
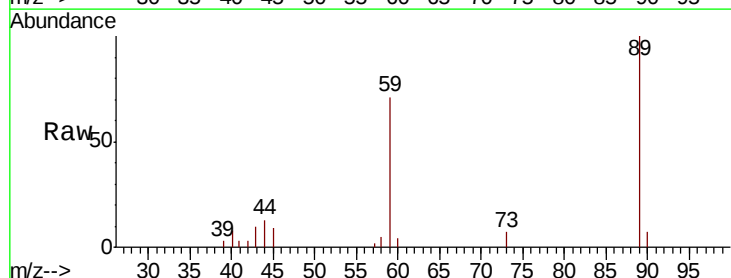
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ1780

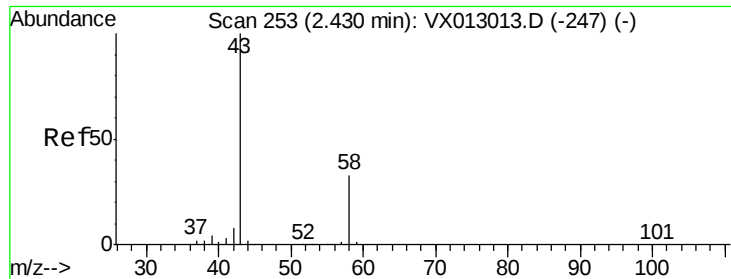
Tot Ion:142 Resp: 51
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 8.185 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013058.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 59 Resp: 4781
Ion Ratio Lower Upper
59 100
57 0.4 8.3 12.5#





#16

Acetone

Concen: 9.244 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013058.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

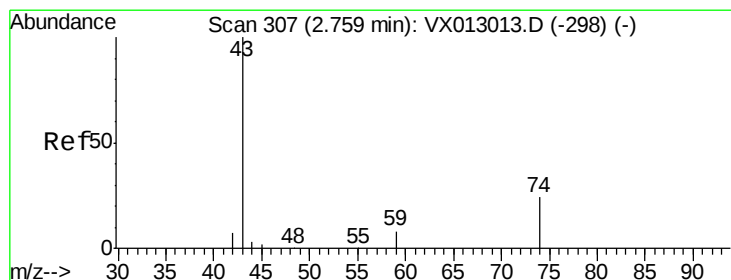
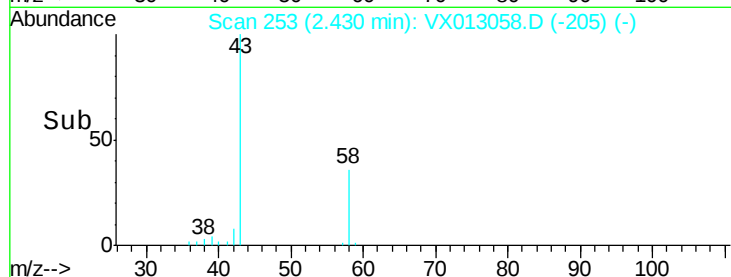
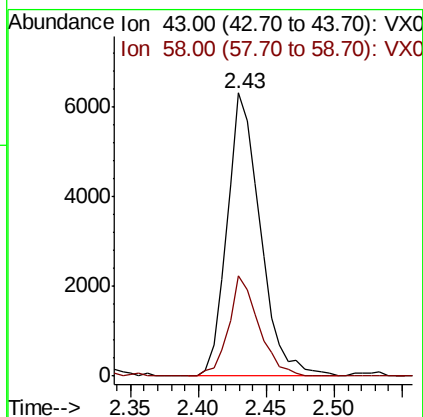
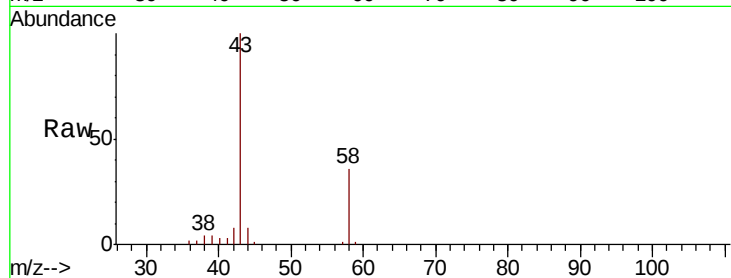
FA19-JPZ1780

Tot Ion: 43 Resp: 10737

Ion Ratio Lower Upper

43 100

58 35.6 25.4 38.2



#18

Methyl Acetate

Concen: 0.218 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.09 min

Lab File: VX013058.D

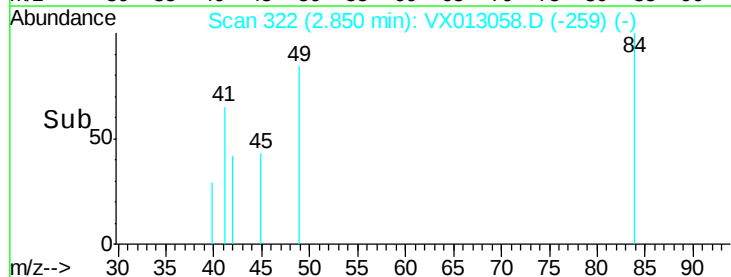
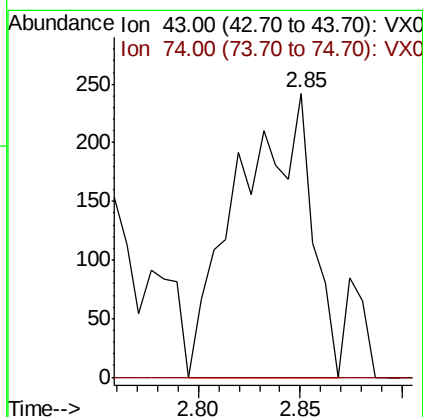
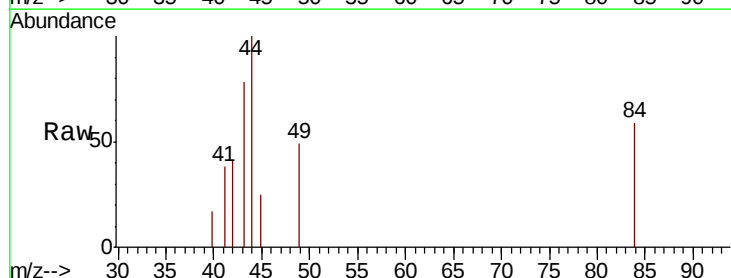
Acq: 14 Oct 2019 17:39

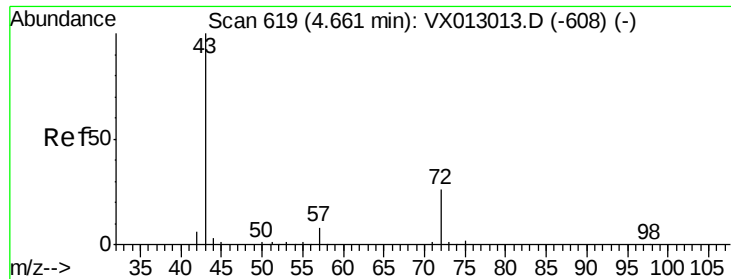
Tgt Ion: 43 Resp: 599

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#25

2-Butanone

Concen: 0.461 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013058.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

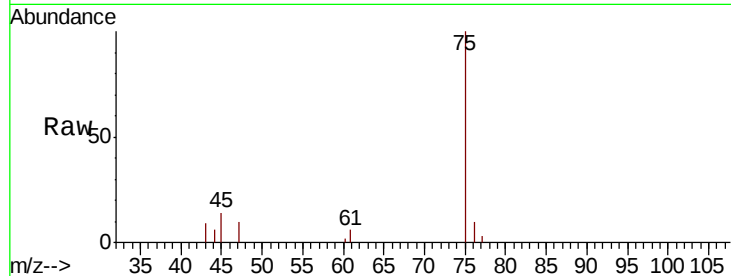
FA19-JPZ1780

Tot Ion: 43 Resp: 743

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

250

200

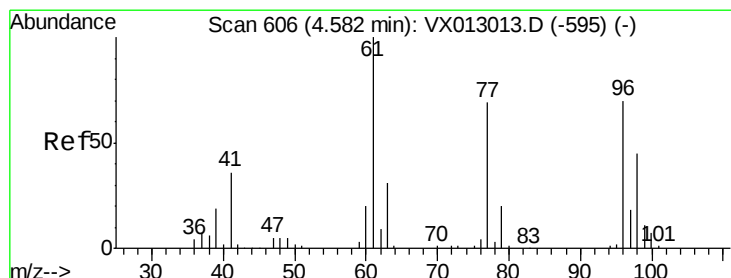
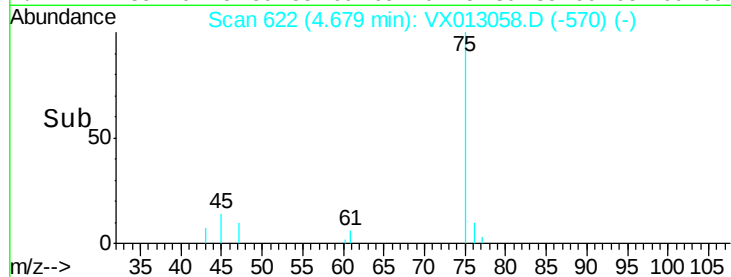
150

100

50

0

Time--> 4.60 4.65 4.70 4.75



#27

cis-1,2-Dichloroethene

Concen: 3.138 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX013058.D

Acq: 14 Oct 2019 17:39

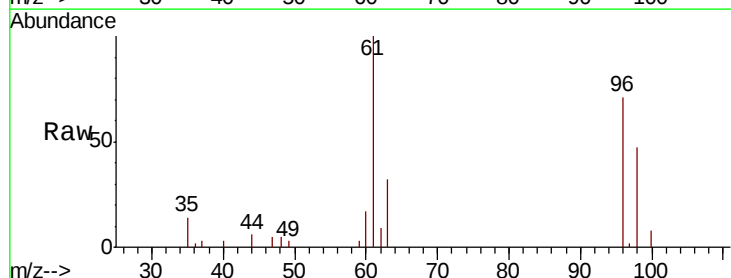
Tgt Ion: 96 Resp: 6906

Ion Ratio Lower Upper

96 100

61 137.6 0.0 290.6

98 66.3 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4000

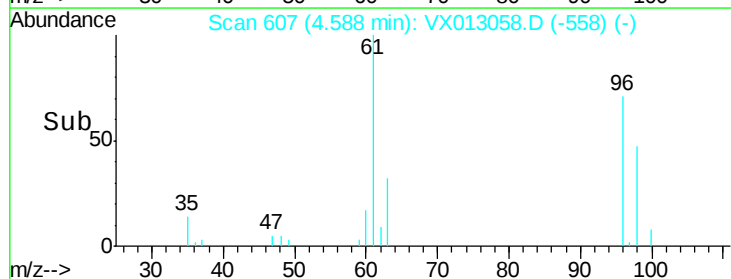
3000

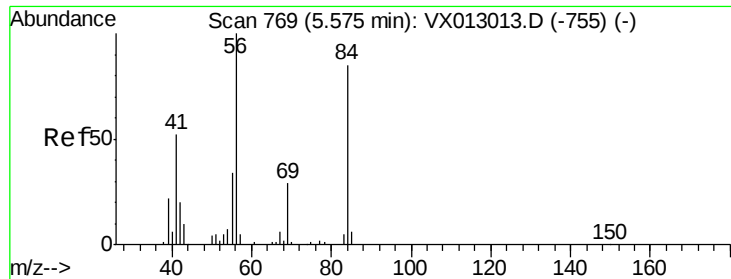
2000

1000

0

Time--> 4.50 4.55 4.60 4.65 4.70

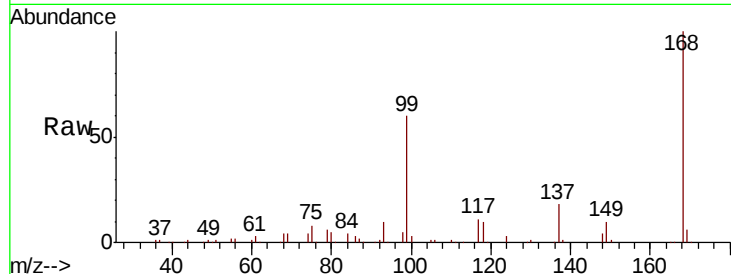




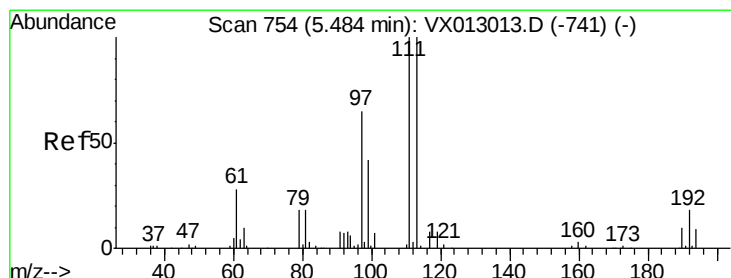
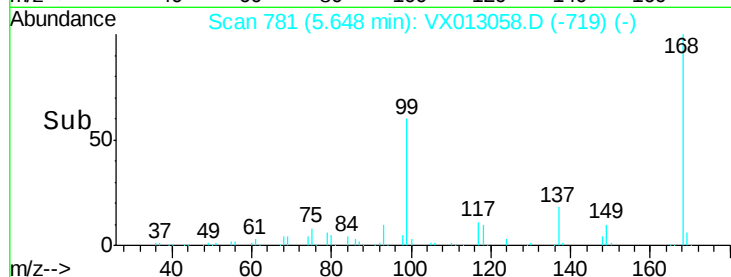
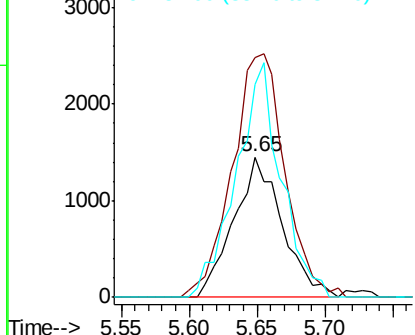
#31
Cyclohexane
Concen: 1.136 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX013058.D
Acq: 14 Oct 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ1780

Tot Ion: 56 Resp: 3634
Ion Ratio Lower Upper
56 100
69 165.4 25.2 37.8#
84 152.0 71.3 106.9#

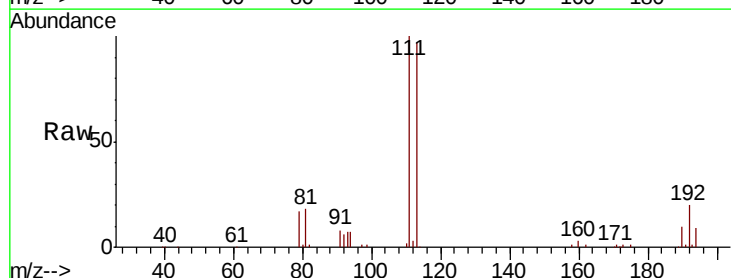


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

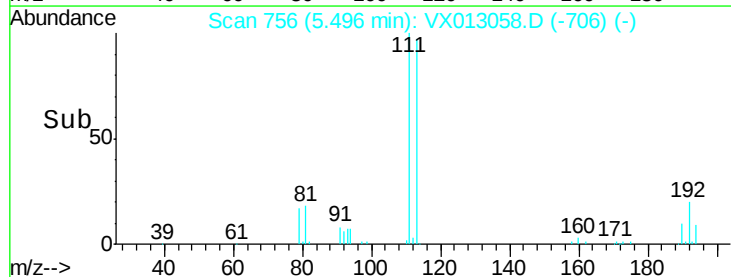
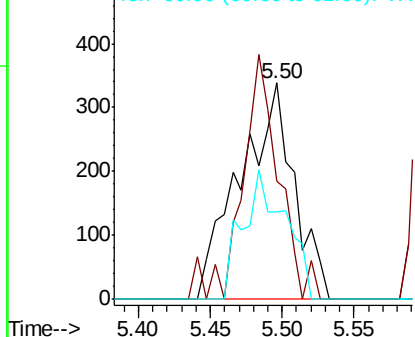


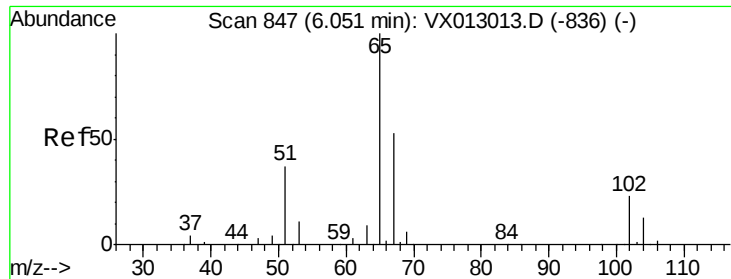
#32
1,1,1-Trichloroethane
Concen: 0.296 ug/l
RT: 5.50 min Scan# 756
Delta R.T. 0.01 min
Lab File: VX013058.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 97 Resp: 881
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 47.1 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

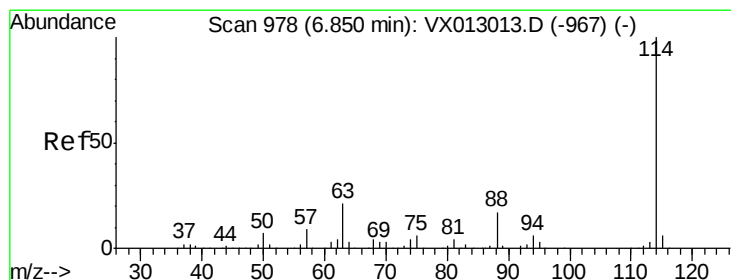
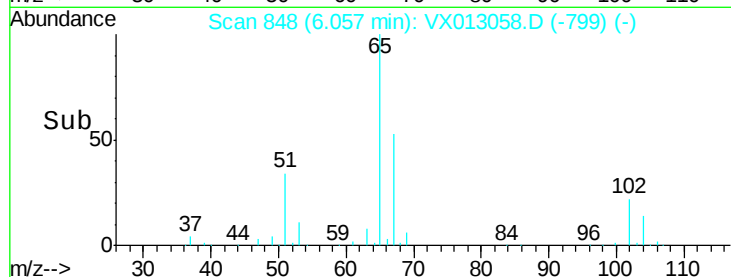
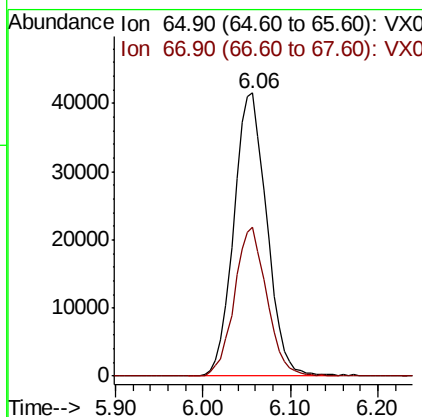
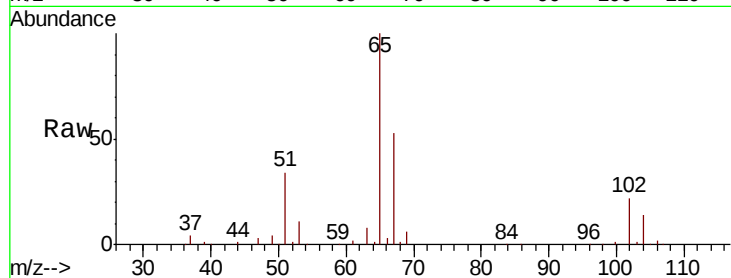




#33
 1,2-Dichloroethane-d4
 Concen: 49.432 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX013058.D
 Acq: 14 Oct 2019 17:39

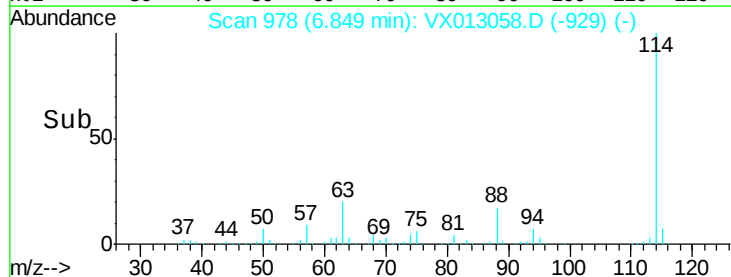
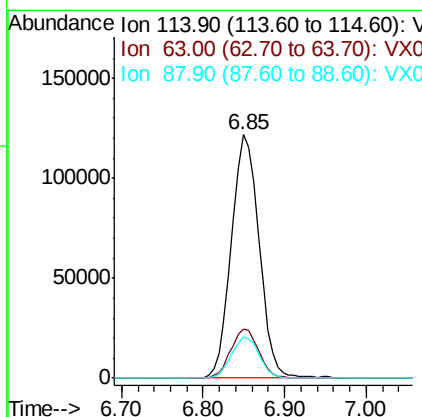
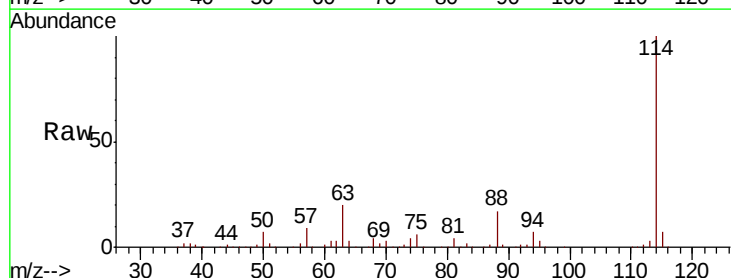
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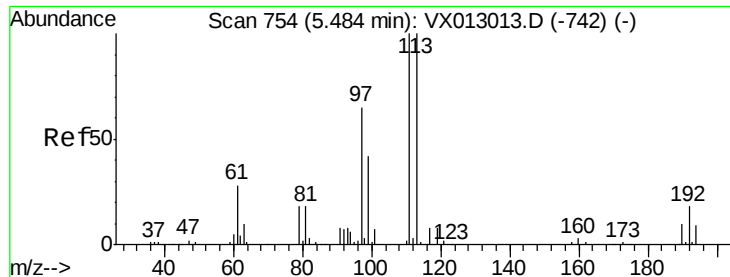
Tot Ion: 65 Resp: 108922
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013058.D
 Acq: 14 Oct 2019 17:39

Tgt Ion: 114 Resp: 285932
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.758 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013058.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ1780

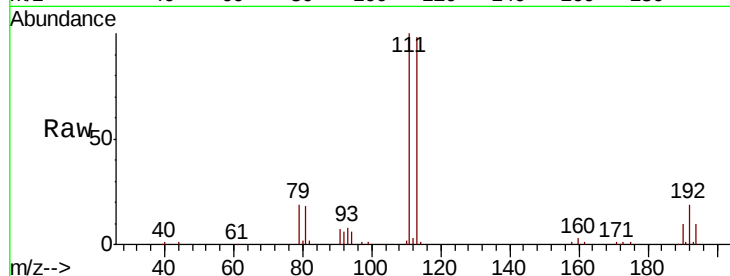
Tot Ion:113 Resp: 84940

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

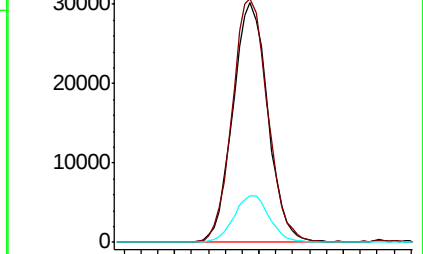
192 19.6 15.4 23.2



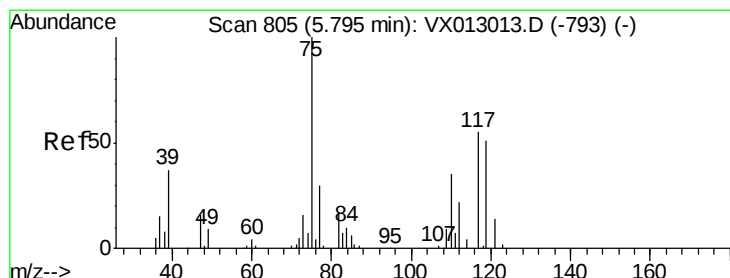
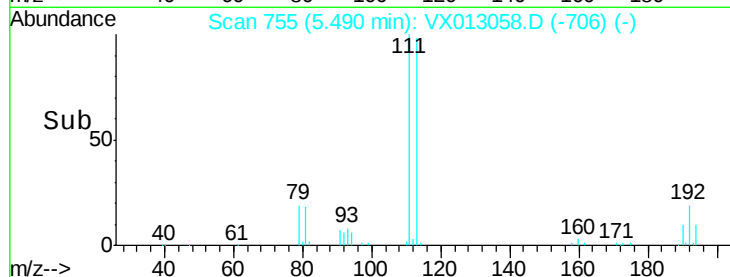
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 5.450 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013058.D

Acq: 14 Oct 2019 17:39

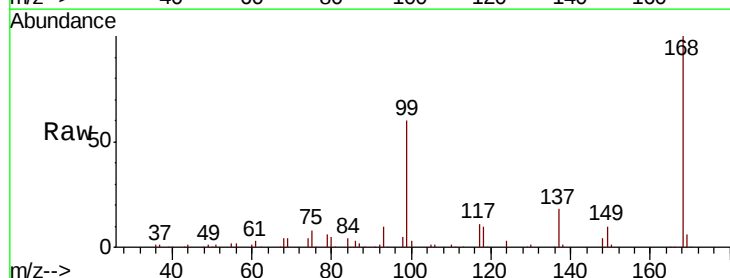
Tgt Ion: 75 Resp: 13700

Ion Ratio Lower Upper

75 100

110 9.7 17.6 52.9#

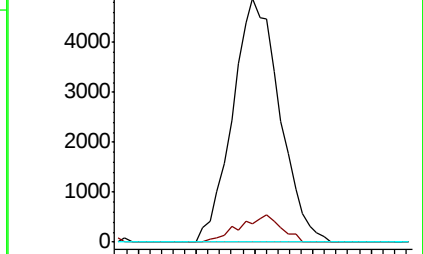
77 0.0 24.4 36.6#



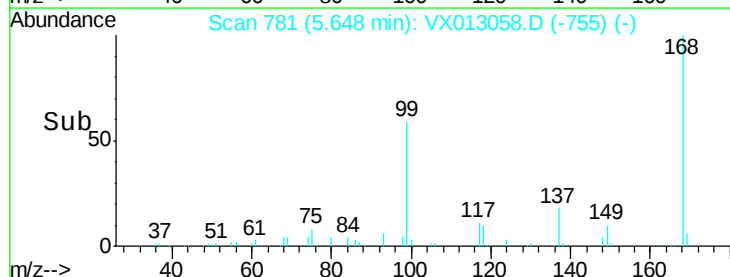
Abundance Ion 74.90 (74.60 to 75.60): VX0

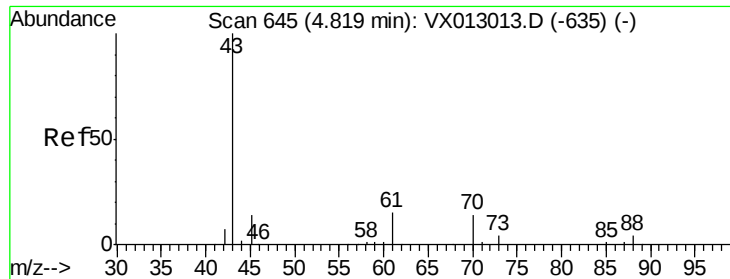
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



Time-->

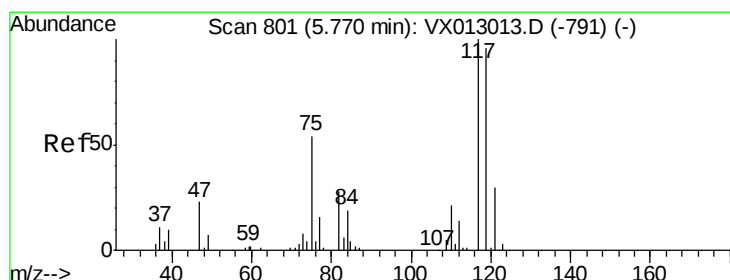
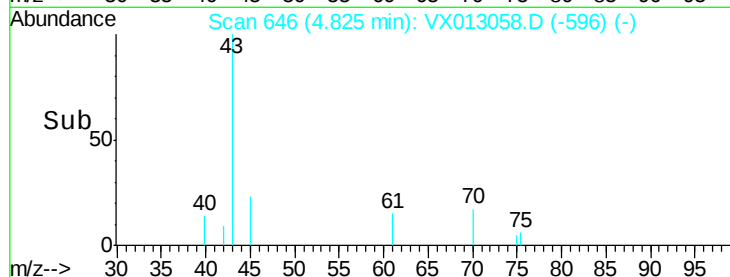
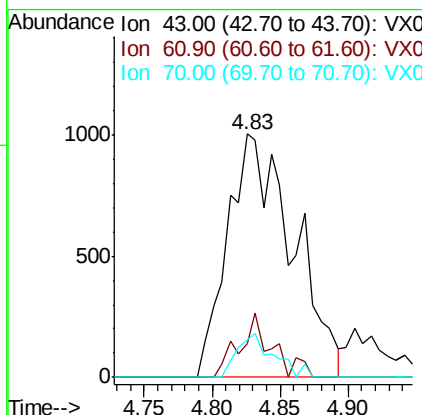
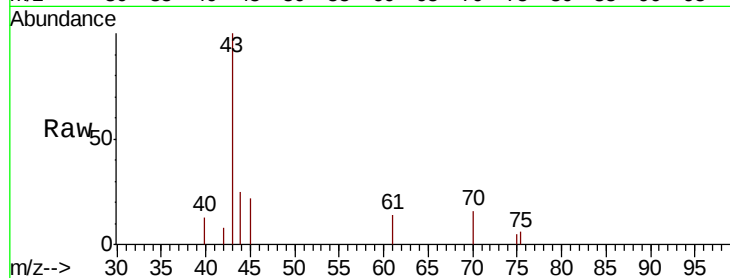




#37
Ethyl Acetate
Concen: 1.196 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013058.D
Acq: 14 Oct 2019 17:39

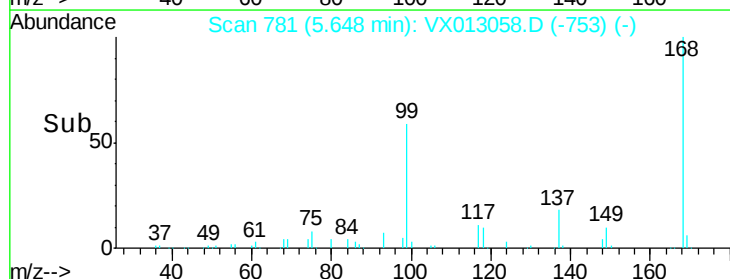
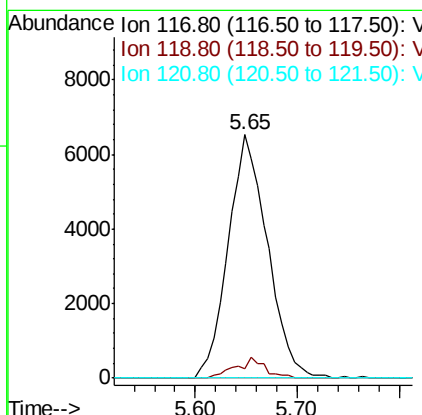
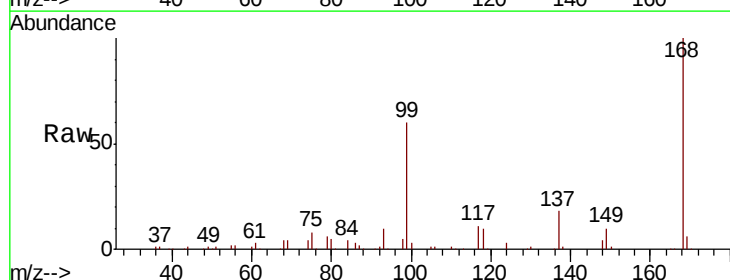
Instrument :
MSVOA_X
ClientSampled :
FA19-JPZ1780

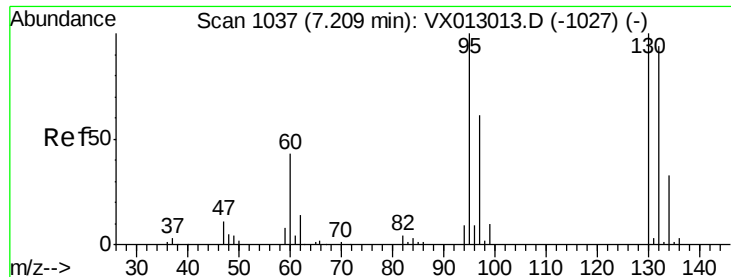
Tot Ion: 43 Resp: 3363
Ion Ratio Lower Upper
43 100
61 13.2 11.4 17.0
70 10.0 9.8 14.6



#38
Carbon Tetrachloride
Concen: 7.113 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013058.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 117 Resp: 17406
Ion Ratio Lower Upper
117 100
119 4.0 74.5 111.7#
121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 10.356 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013058.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

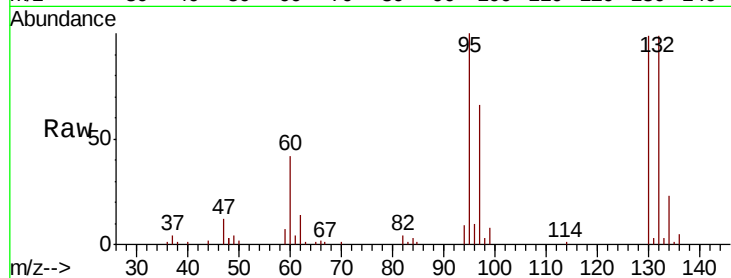
FA19-JPZ1780

Tot Ion:130 Resp: 21323

Ion Ratio Lower Upper

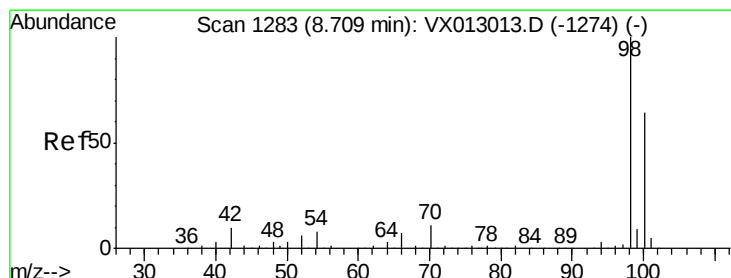
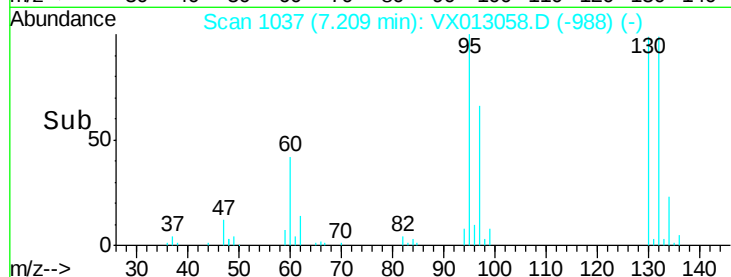
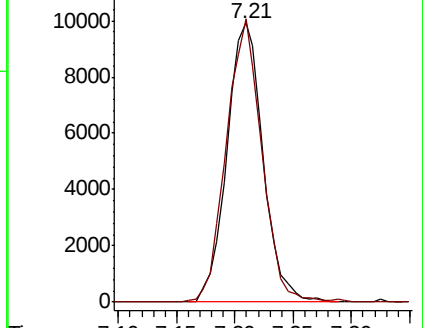
130 100

95 100.9 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: 52.298 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013058.D

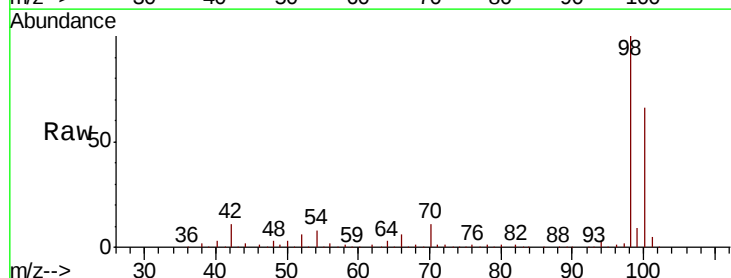
Acq: 14 Oct 2019 17:39

Tgt Ion: 98 Resp: 334745

Ion Ratio Lower Upper

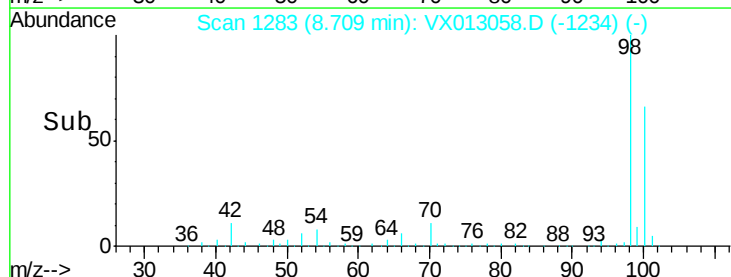
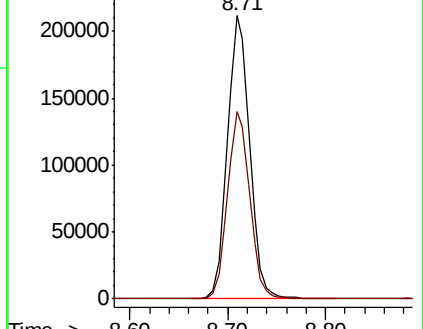
98 100

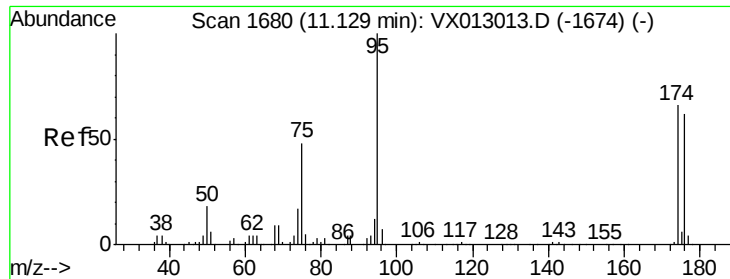
100 66.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.863 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013058.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ1780

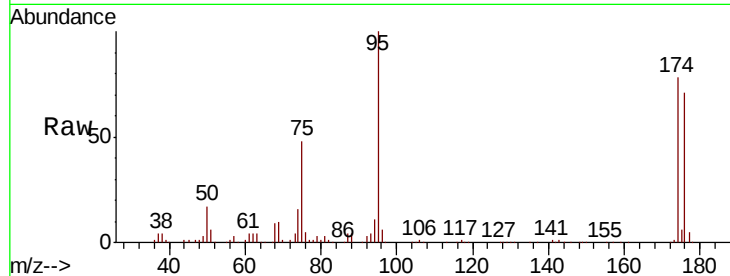
Tot Ion: 95 Resp: 114063

Ion Ratio Lower Upper

95 100

174 73.3 0.0 143.4

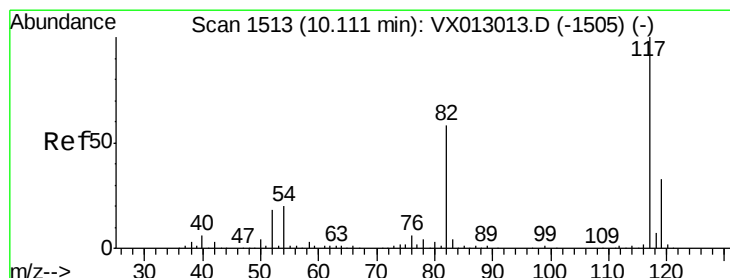
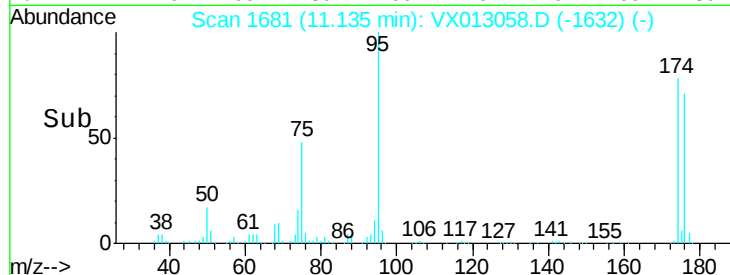
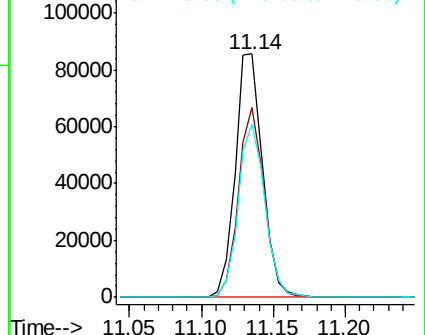
176 69.3 0.0 136.0



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: VX013058.D

Acq: 14 Oct 2019 17:39

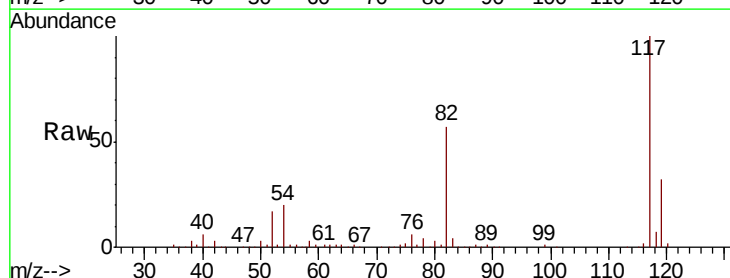
Tgt Ion: 117 Resp: 244906

Ion Ratio Lower Upper

117 100

82 57.2 44.1 66.1

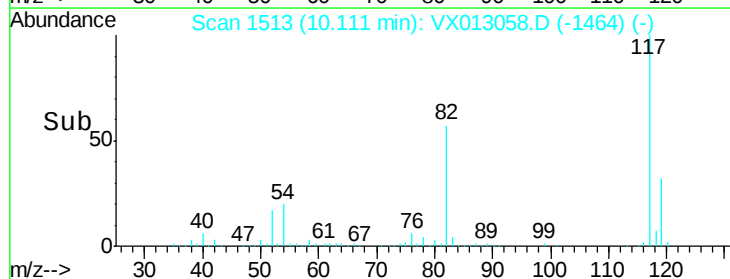
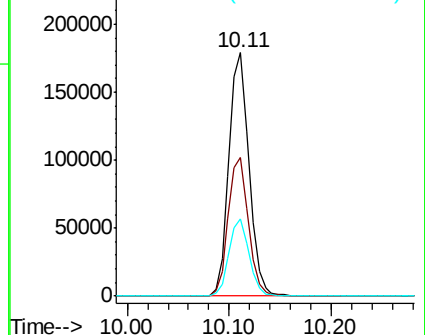
119 31.7 25.8 38.8

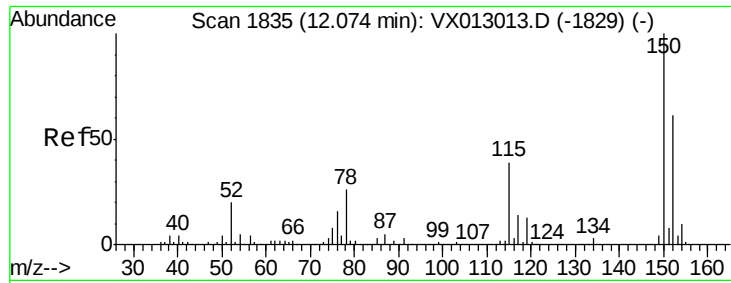


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX013058.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ1780

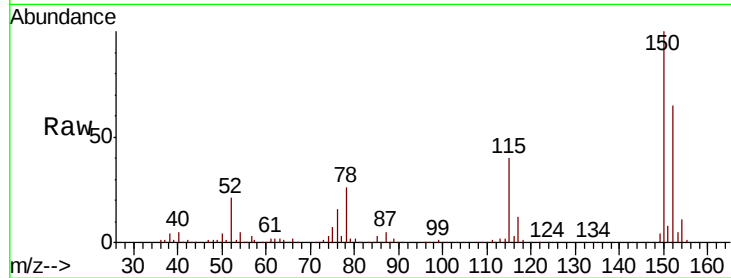
Tot Ion:152 Resp: 101290

Ion Ratio Lower Upper

152 100

115 60.6 44.5 133.5

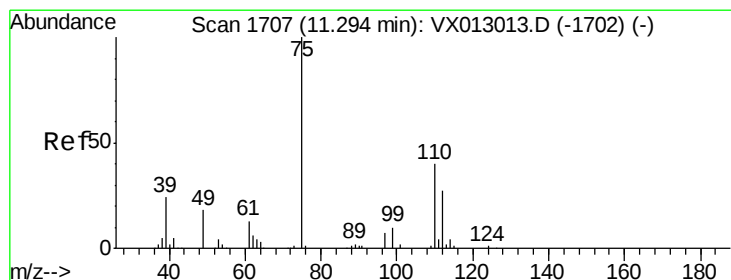
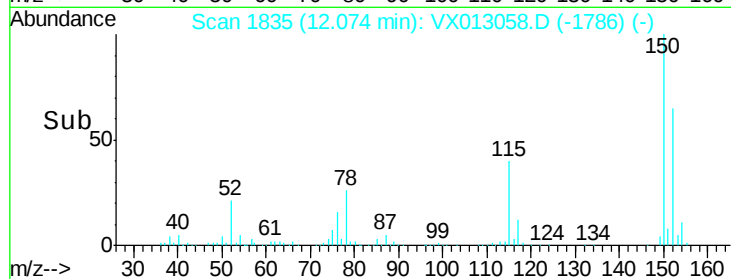
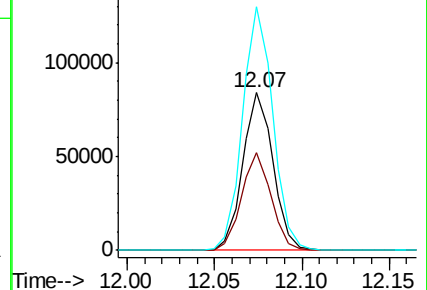
150 153.8 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.331 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013058.D

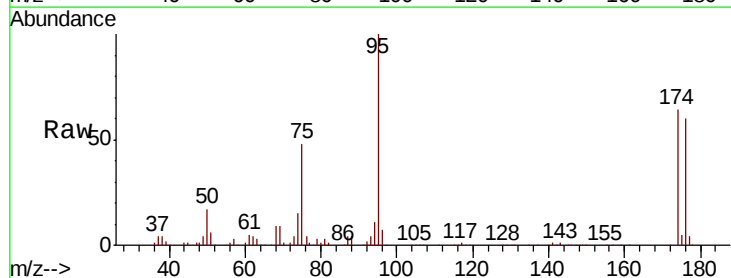
Acq: 14 Oct 2019 17:39

Tgt Ion: 75 Resp: 54662

Ion Ratio Lower Upper

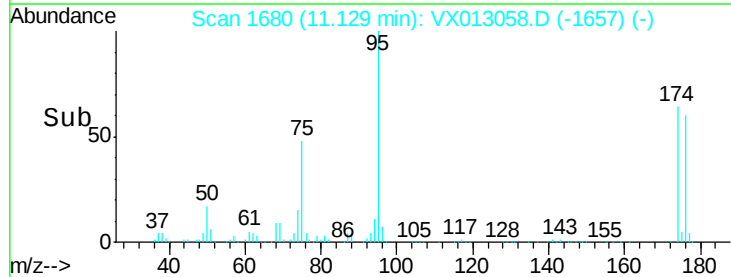
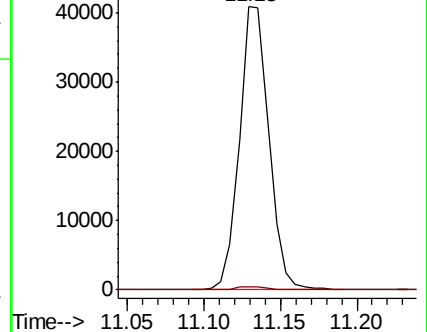
75 100

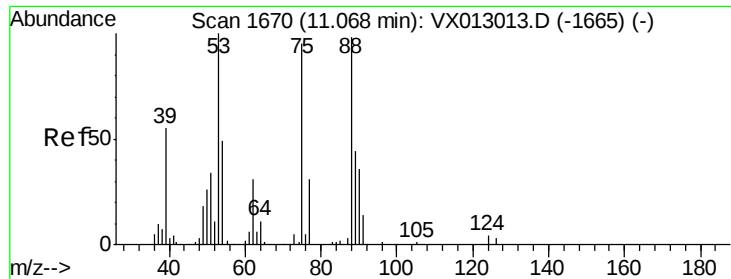
77 1.2 22.9 68.8#



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: 61.540 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013058.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ1780

Tot Ion: 75 Resp: 54662

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

