

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120519\
 Data File : VX013777.D
 Acq On : 05 Dec 2019 15:26
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Dec 06 02:28:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	671682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1021118	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	907761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	413639	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	368284	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
35) Dibromofluoromethane	5.49	113	305815	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	8.71	98	1204831	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.14	95	406653	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

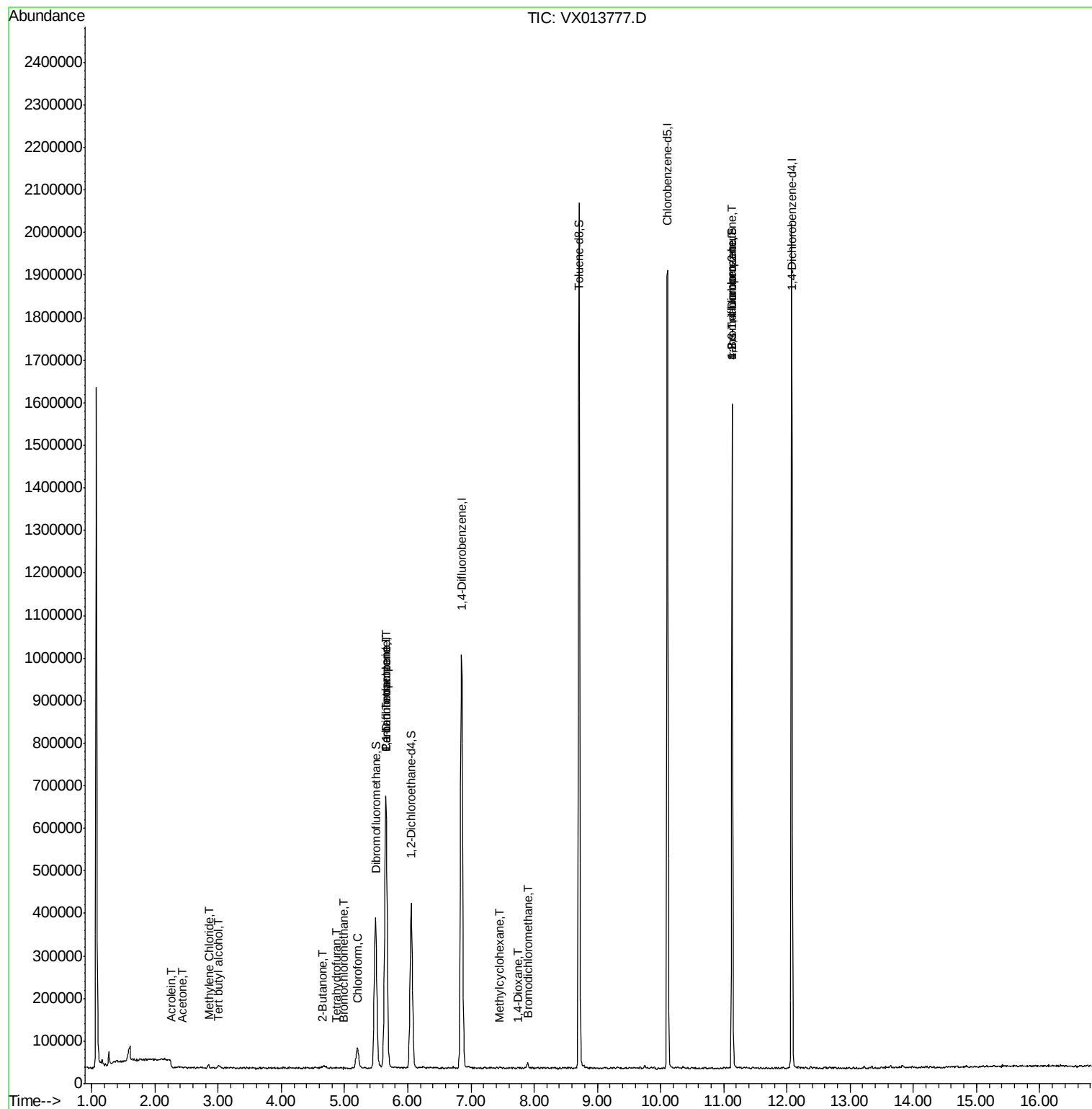
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	4797	2.493	ug/l	100
13) Acrolein	2.27	56	252	6.195	ug/l #	1
16) Acetone	2.43	43	1536	0.399	ug/l #	88
20) Methylene Chloride	2.86	84	4551	0.615	ug/l #	78
25) 2-Butanone	4.66	43	1480	0.259	ug/l #	63
28) Bromochloromethane	4.99	49	1192	0.235	ug/l #	30
29) Tetrahydrofuran	4.87	42	853	0.242	ug/l	95
30) Chloroform	5.20	83	59312	4.790	ug/l	99
36) 1,1-Dichloropropene	5.65	75	44272	4.776	ug/l #	51
38) Carbon Tetrachloride	5.65	117	56903	6.658	ug/l #	16
39) Methylcyclohexane	7.45	83	2775	0.242	ug/l #	87
47) Bromodichloromethane	7.90	83	7629	0.841	ug/l	93
49) 1,4-Dioxane	7.73	88	333	1.789	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	197855	21.267	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	197855	58.182	ug/l #	11

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_X

ClientSampled :

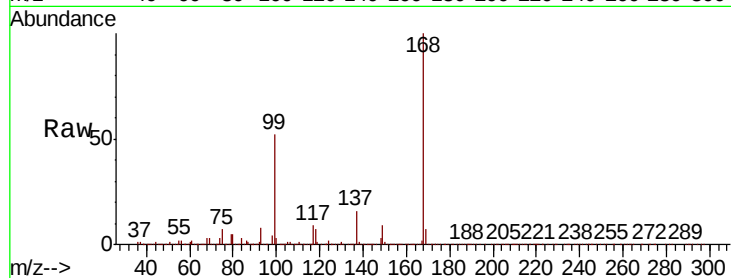
IBLK

Tot Ion:168 Resp: 671682

Ion Ratio Lower Upper

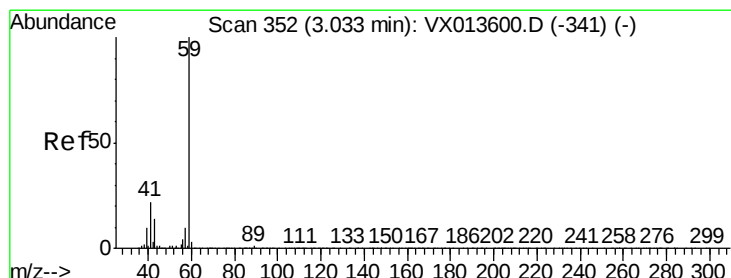
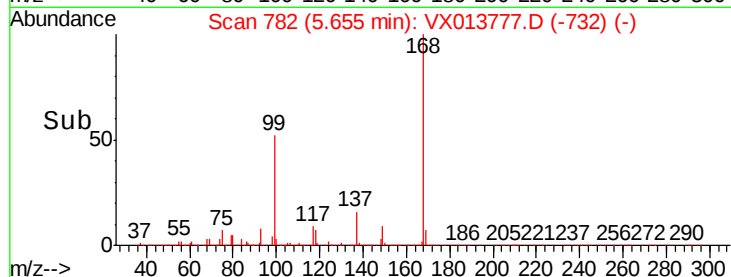
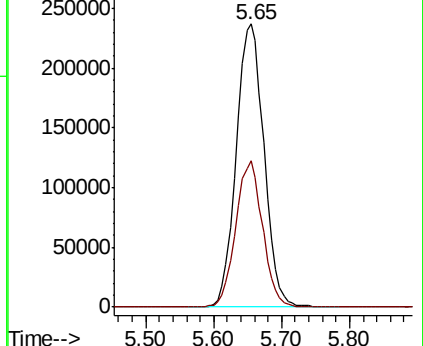
168 100

99 51.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 2.493 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.03 min

Lab File: VX013777.D

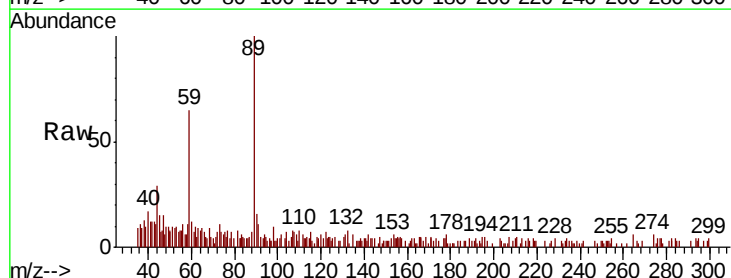
Acq: 05 Dec 2019 15:26

Tgt Ion: 59 Resp: 4797

Ion Ratio Lower Upper

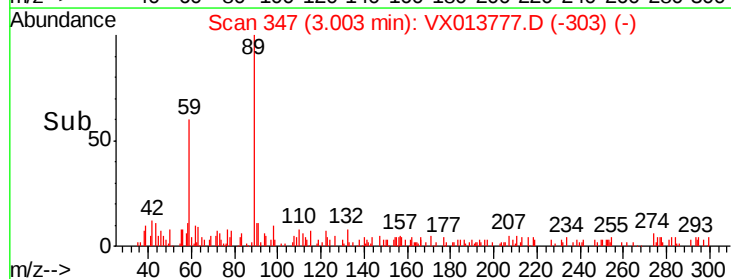
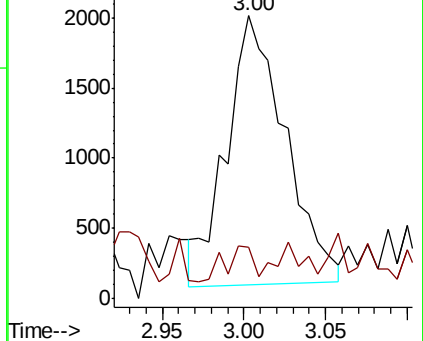
59 100

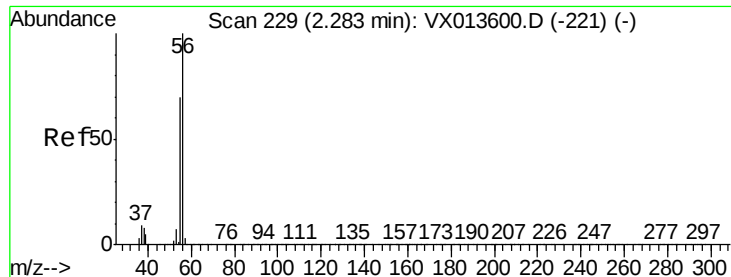
57 9.8 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

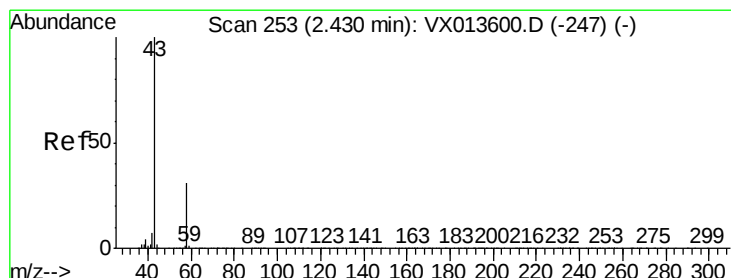
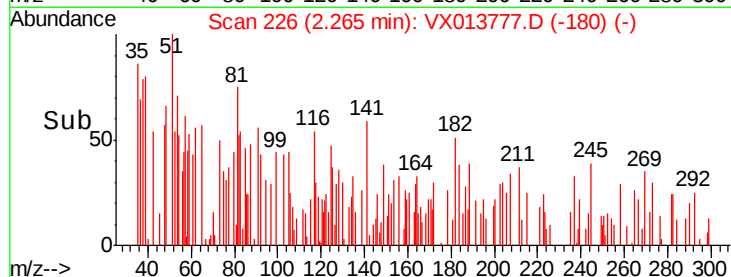
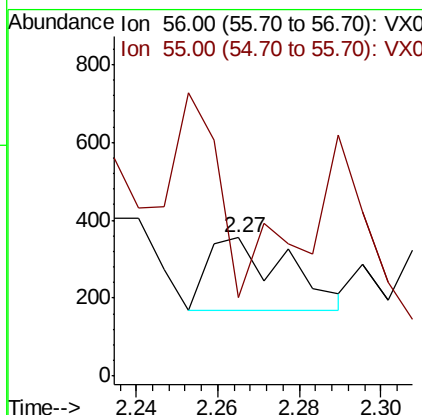
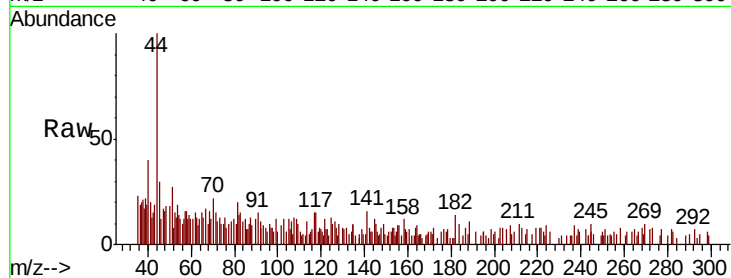




#13
Acrolein
Concen: 6.195 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX013777.D
Acq: 05 Dec 2019 15:26

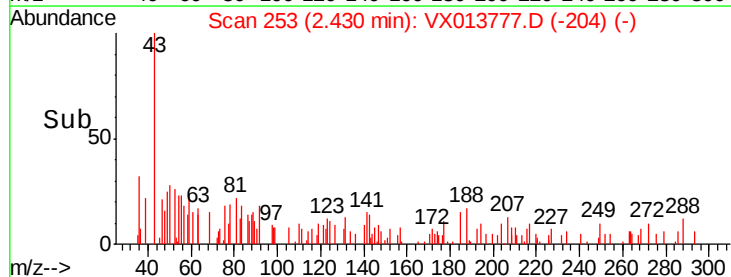
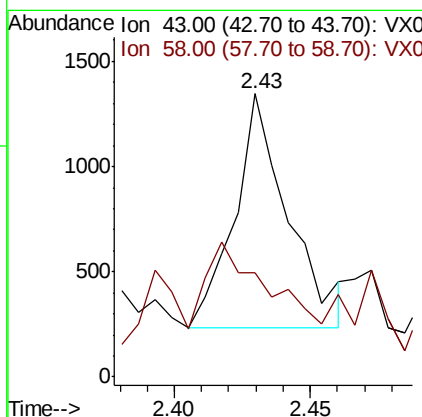
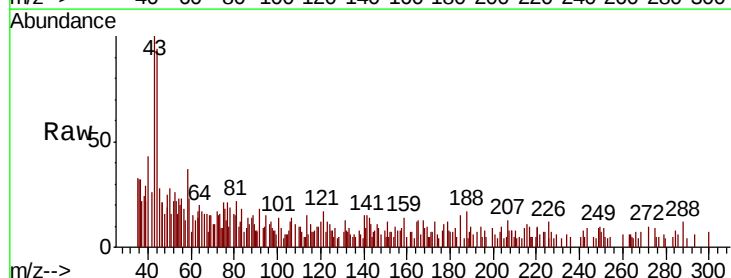
Instrument :
MSVOA_X
ClientSampled :
IBLK

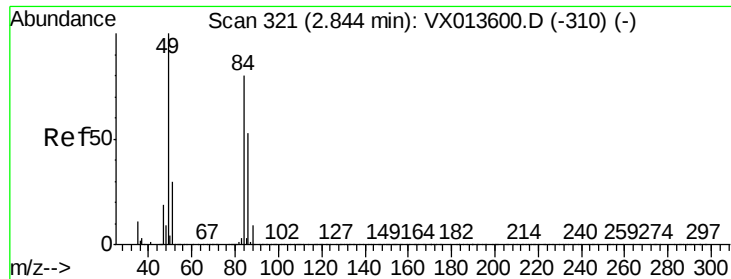
Tot Ion: 56 Resp: 252
Ion Ratio Lower Upper
56 100
55 244.0 56.2 84.4#



#16
Acetone
Concen: 0.399 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013777.D
Acq: 05 Dec 2019 15:26

Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
58 24.0 24.6 36.8#

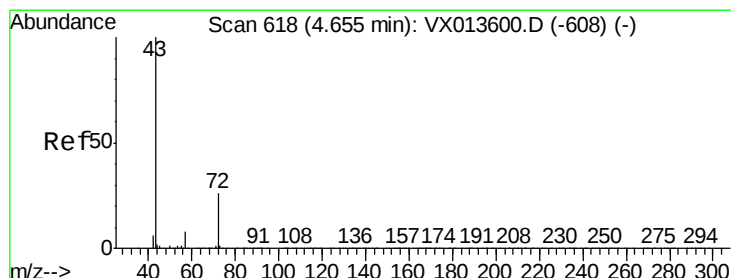
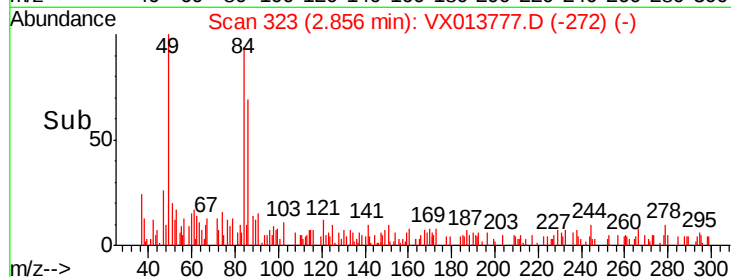
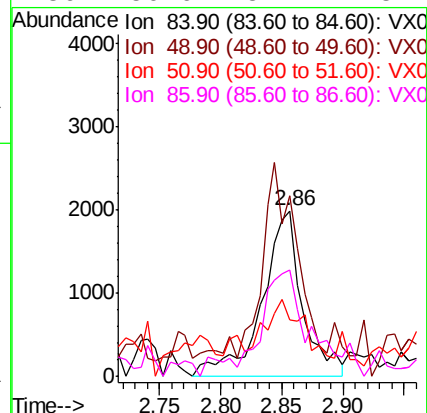
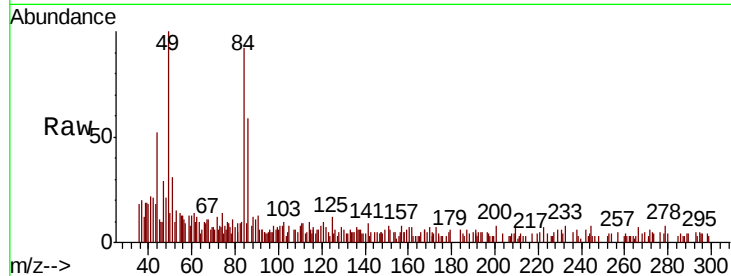




#20
Methvlene Chloride
Concen: 0.615 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013777.D
Acq: 05 Dec 2019 15:26

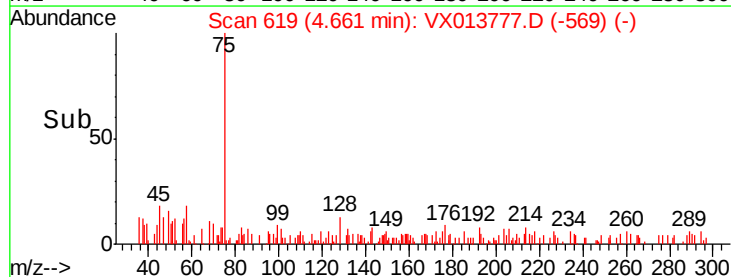
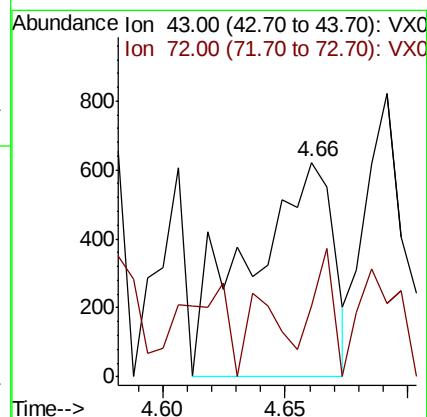
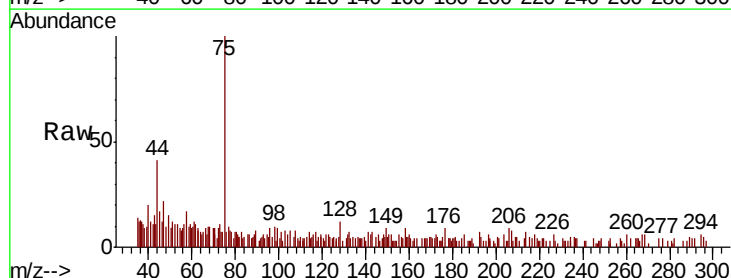
Instrument :
MSVOA_X
ClientSampleId :
IBLK

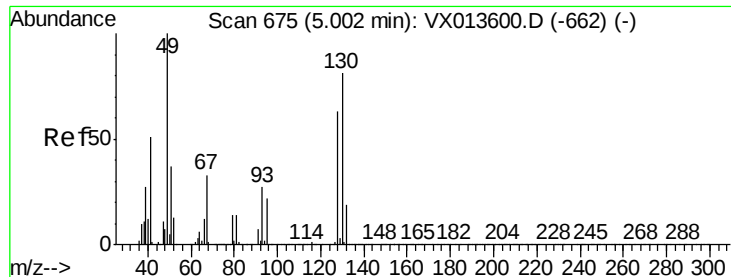
Tot Ion: 84 Resp: 4551
Ion Ratio Lower Upper
84 100
49 98.1 99.7 149.5#
51 15.7 29.9 44.9#
86 56.6 52.2 78.4



#25
2-Butanone
Concen: 0.259 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX013777.D
Acq: 05 Dec 2019 15:26

Tgt Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
72 7.2 20.6 31.0#





#28

Bromochloromethane

Concen: 0.235 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_X

ClientSampled :

IBLK

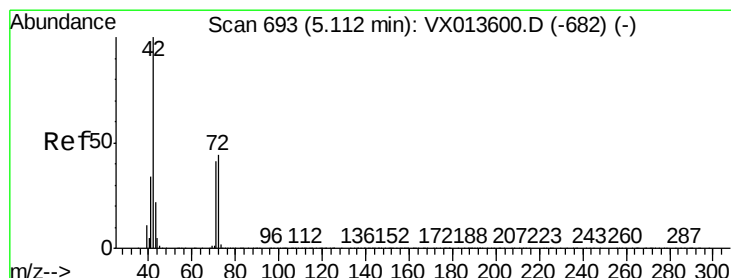
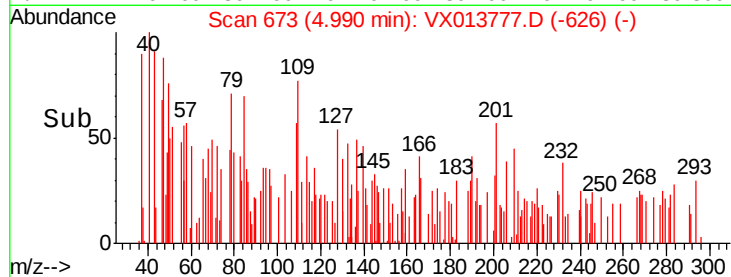
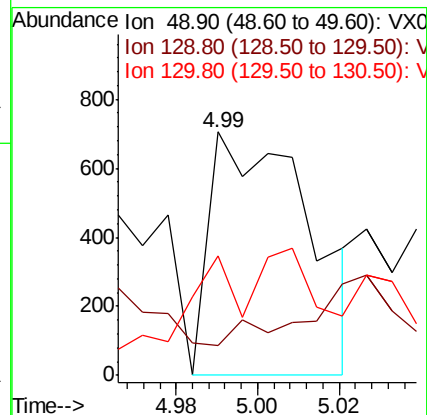
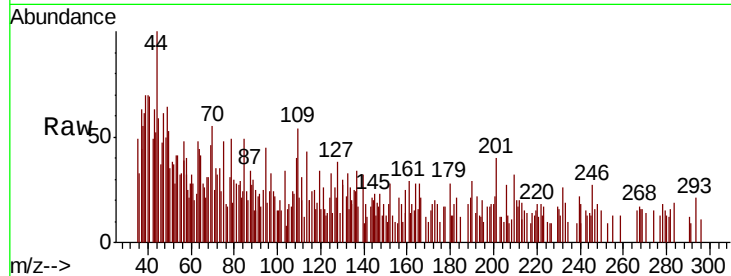
Tot Ion: 49 Resp: 1192

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 17.7 65.4 98.0#



#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 4.87 min Scan# 654

Delta R.T. -0.24 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

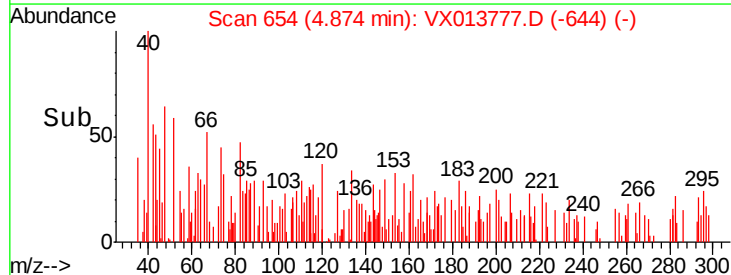
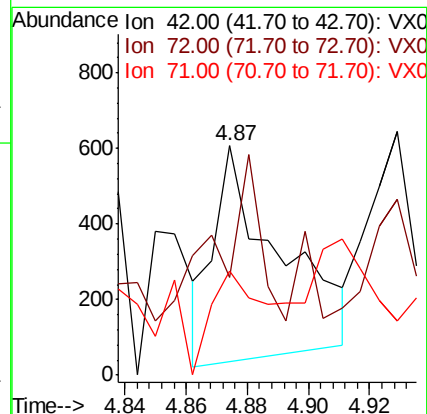
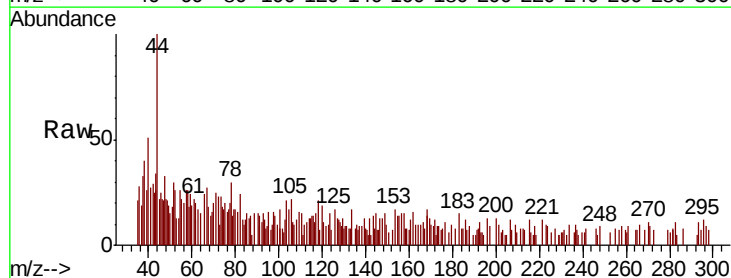
Tgt Ion: 42 Resp: 853

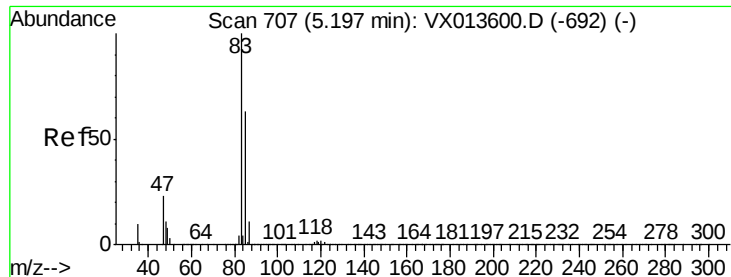
Ion Ratio Lower Upper

42 100

72 47.1 36.3 54.5

71 36.6 33.2 49.8

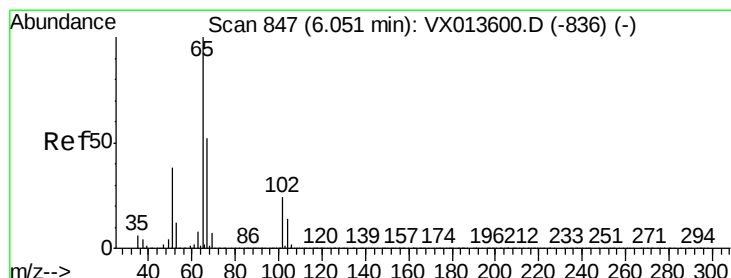
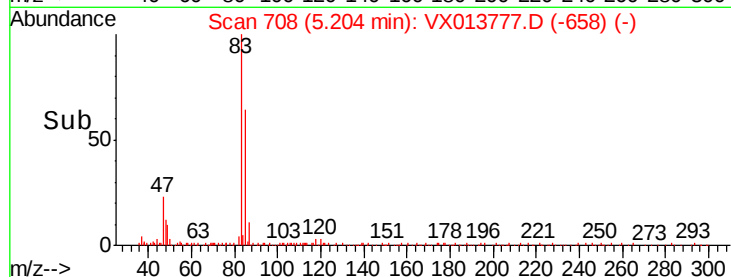
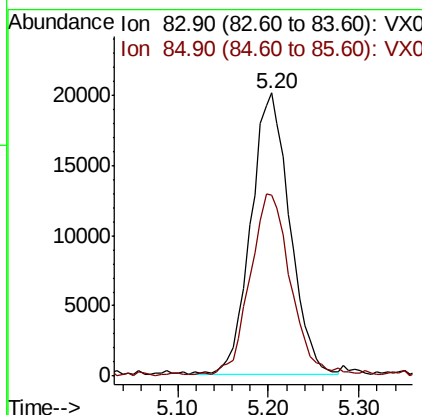
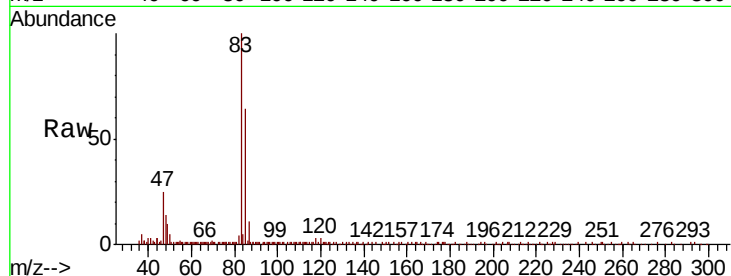




#30
Chloroform
Concen: 4.790 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013777.D
Acq: 05 Dec 2019 15:26

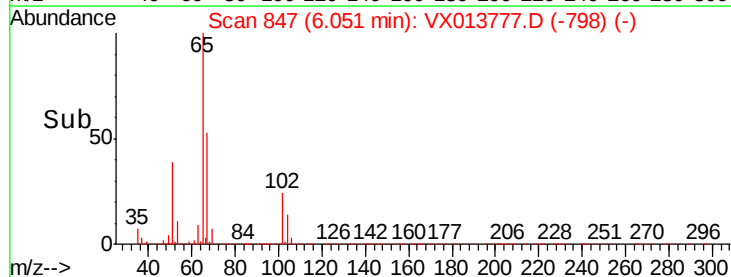
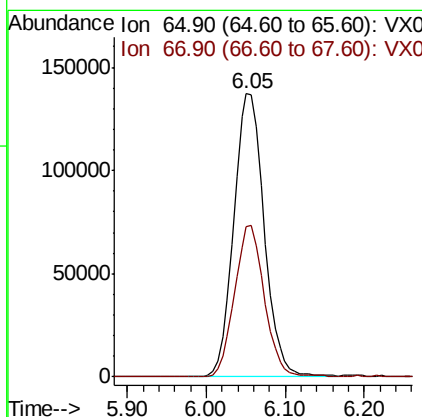
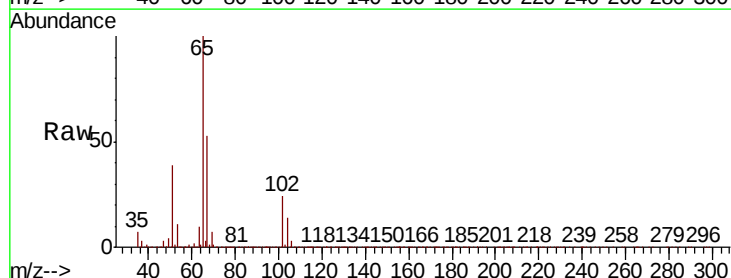
Instrument :
MSVOA_X
ClientSampleId :
IBLK

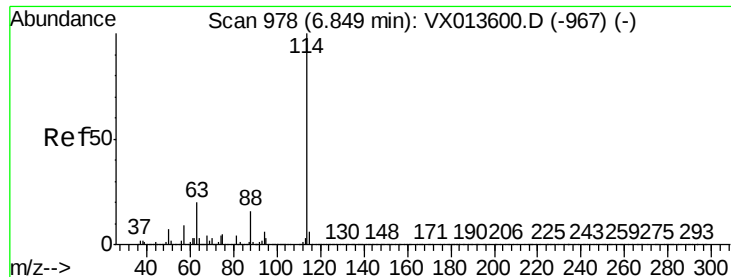
Tot Ion: 83 Resp: 59312
Ion Ratio Lower Upper
83 100
85 63.5 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 47.236 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013777.D
Acq: 05 Dec 2019 15:26

Tgt Ion: 65 Resp: 368284
Ion Ratio Lower Upper
65 100
67 52.3 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: VX013777.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

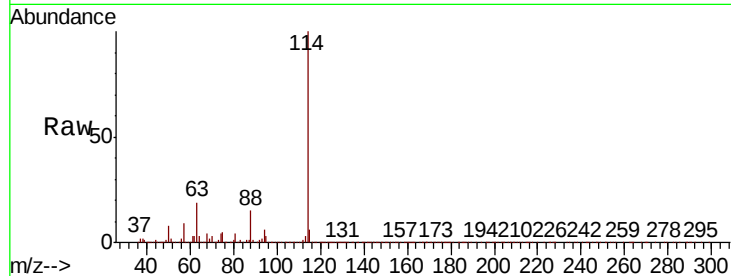
Tot Ion:114 Resp: 1021118

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

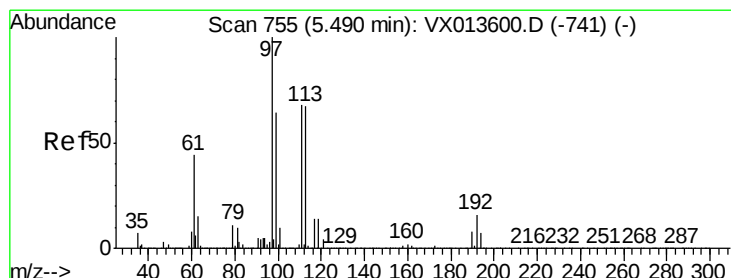
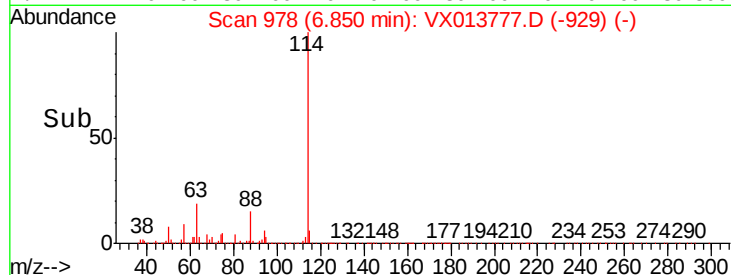
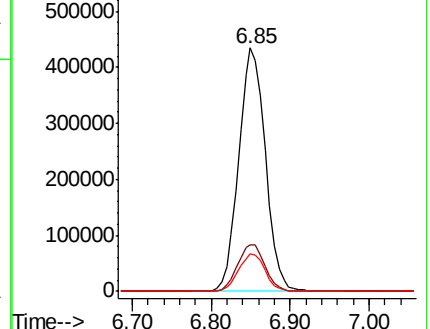
88 15.4 0.0 31.4



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: 48.445 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

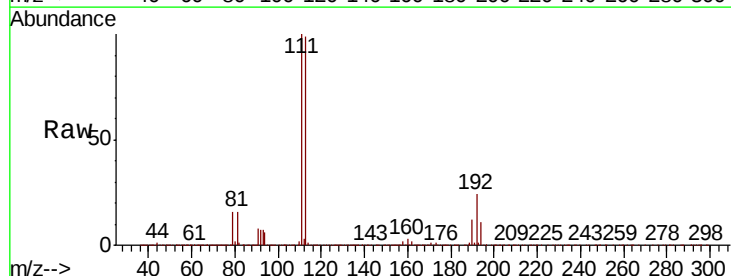
Tgt Ion:113 Resp: 305815

Ion Ratio Lower Upper

113 100

111 101.7 83.6 125.4

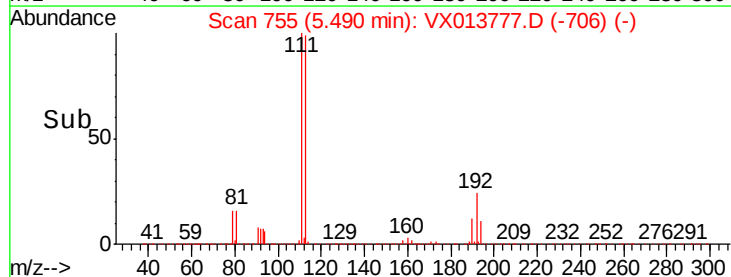
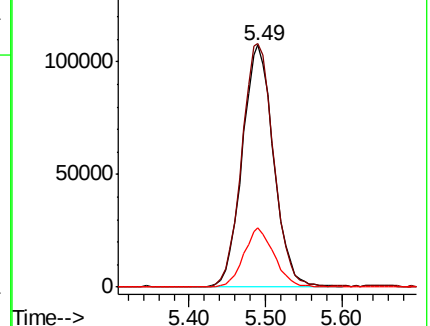
192 23.8 19.2 28.8

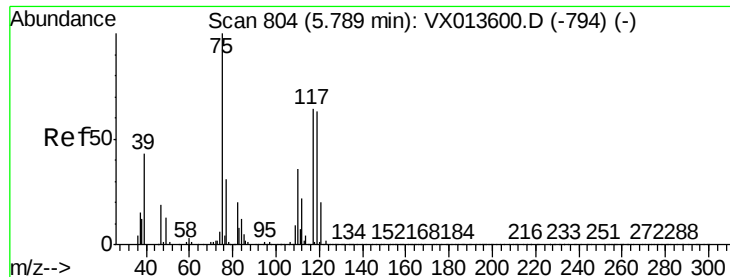


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.776 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

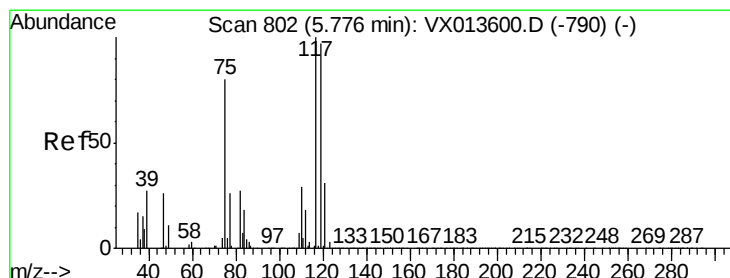
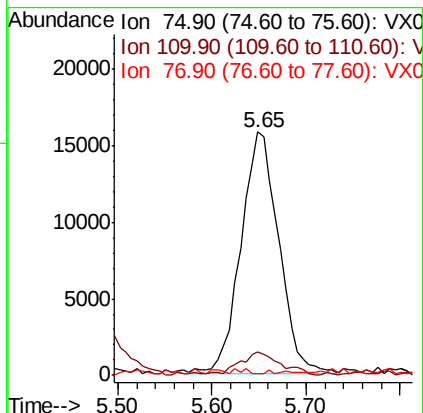
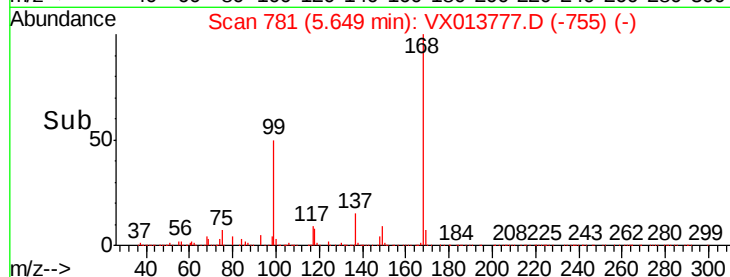
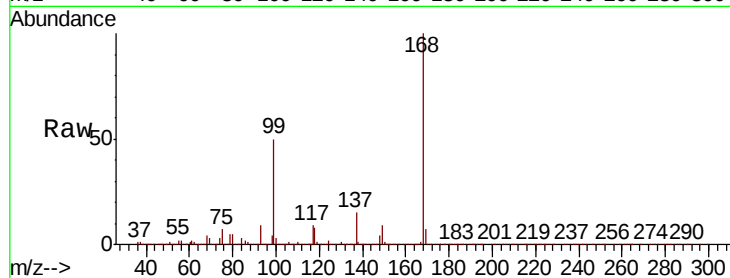
Tot Ion: 75 Resp: 44272

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.1#

77 0.3 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.658 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

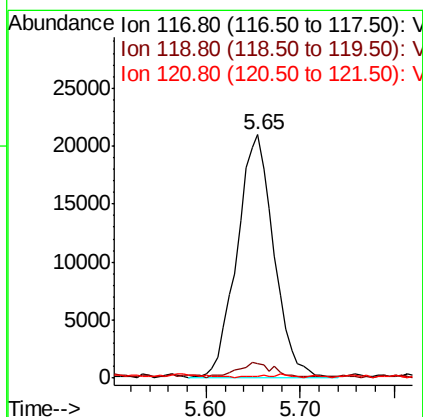
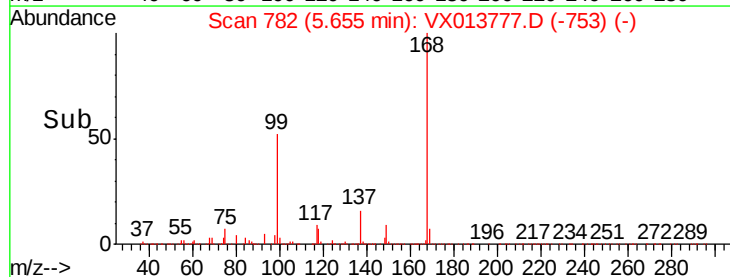
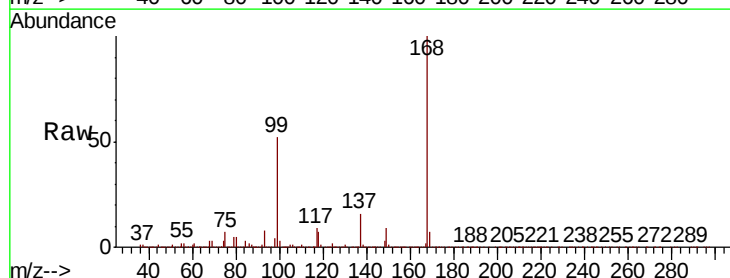
Tgt Ion: 117 Resp: 56903

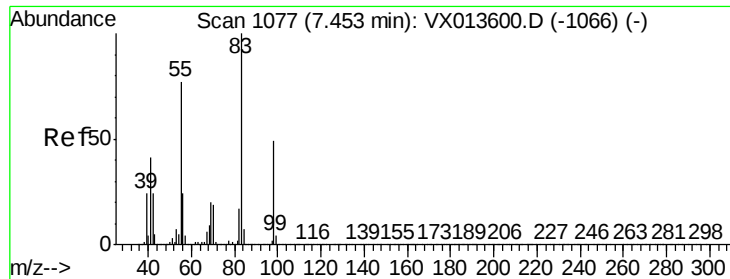
Ion Ratio Lower Upper

117 100

119 5.4 77.5 116.3#

121 0.1 25.0 37.6#





#39

Methvlcvclohexane

Concen: 0.242 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

Instrument :

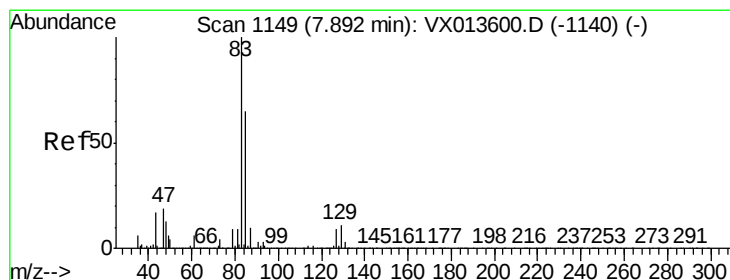
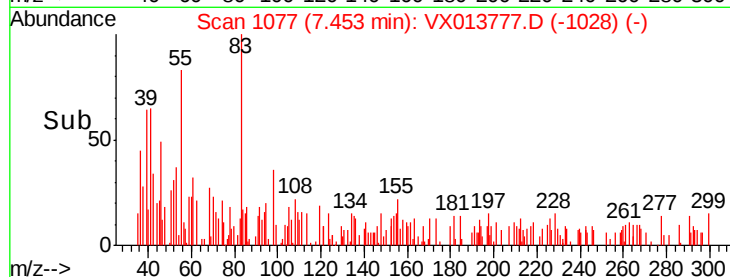
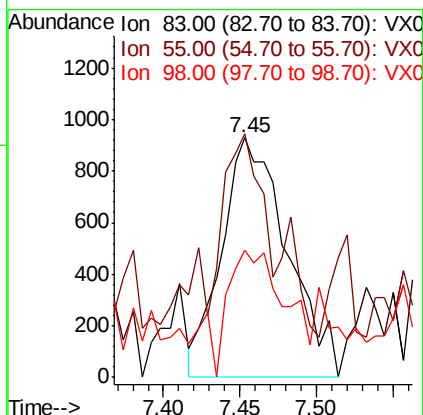
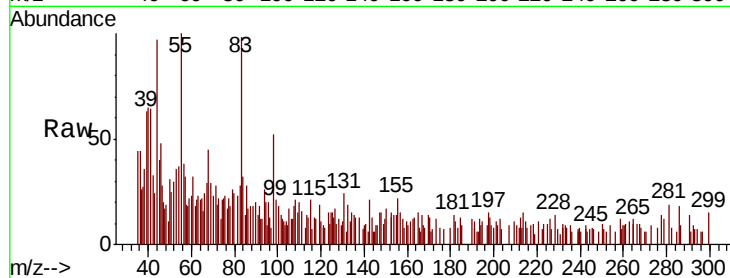
MSVOA_X

ClientSampled :

IBLK

Tot Ion: 83 Resp: 2775

Ion	Ratio	Lower	Upper
83	100		
55	67.3	61.9	92.9
98	38.7	39.4	59.0#



#47

Bromodichloromethane

Concen: 0.841 ug/l

RT: 7.90 min Scan# 1150

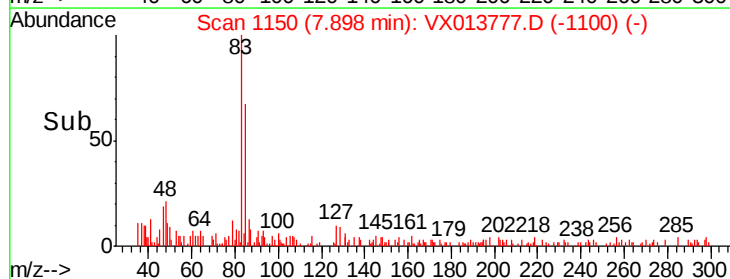
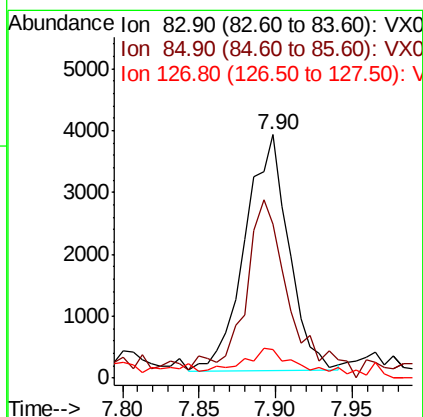
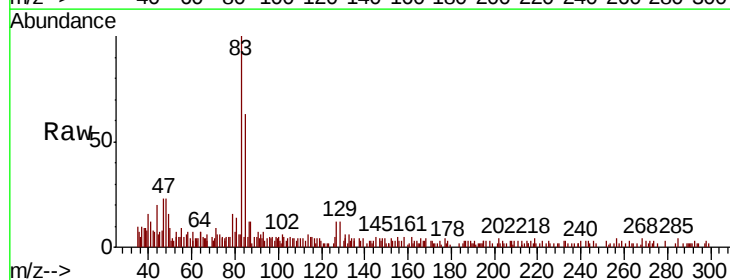
Delta R.T. 0.01 min

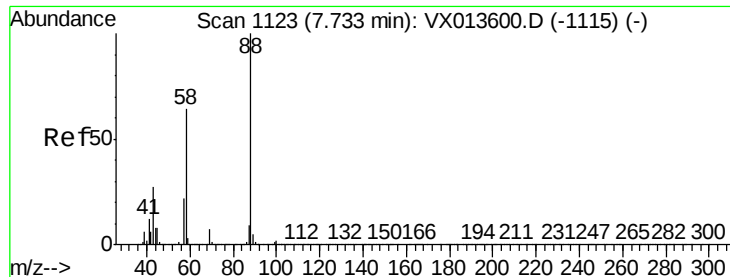
Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

Tgt Ion: 83 Resp: 7629

Ion	Ratio	Lower	Upper
83	100		
85	58.6	52.1	78.1
127	8.0	7.0	10.4

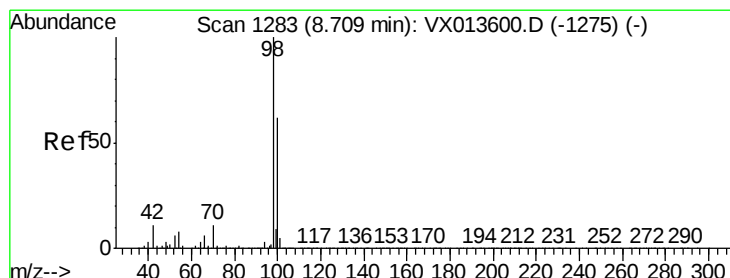
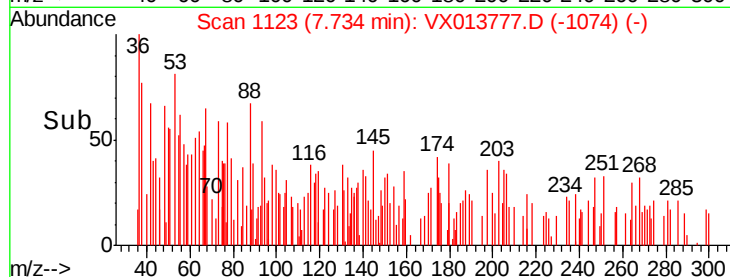
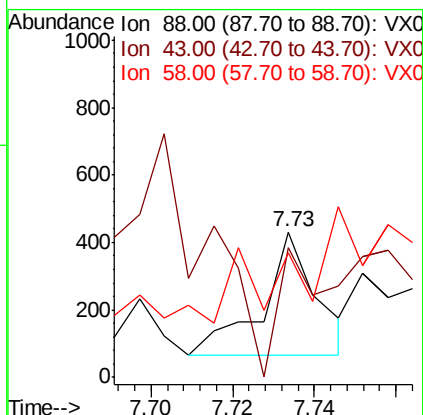
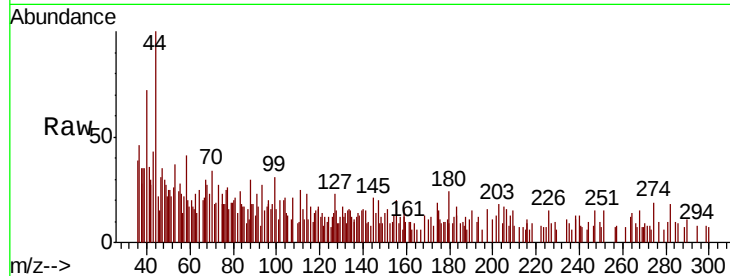




#49
1,4-Dioxane
Concen: 1.789 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013777.D
Acq: 05 Dec 2019 15:26

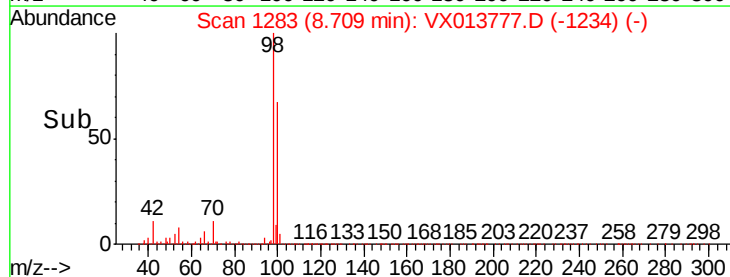
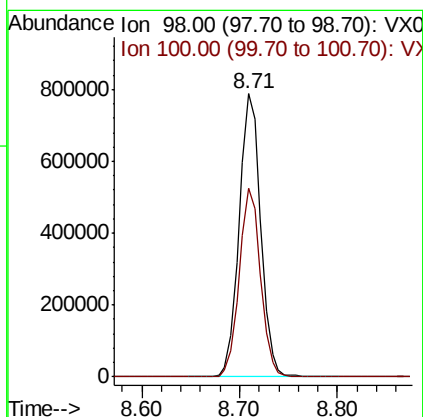
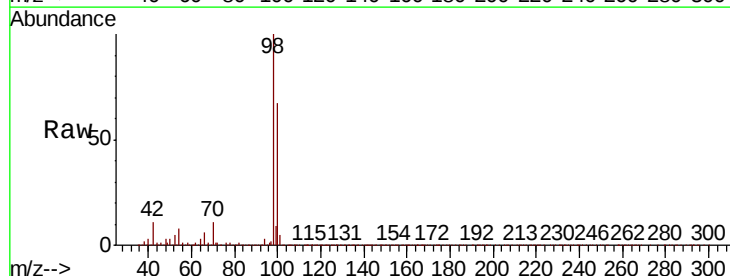
Instrument :
MSVOA_X
ClientSampleId :
IBLK

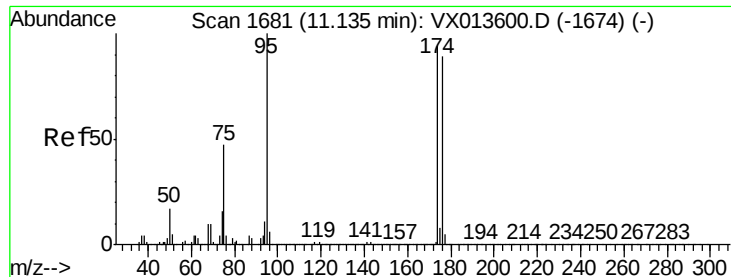
Tot Ion	Ratio	Lower	Upper
88	100		
43	276.0	25.8	38.6#
58	30.3	54.6	82.0#



#50
Toluene-d8
Concen: 48.987 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013777.D
Acq: 05 Dec 2019 15:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.1	79.7





#62

4-Bromofluorobenzene

Concen: 45.851 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

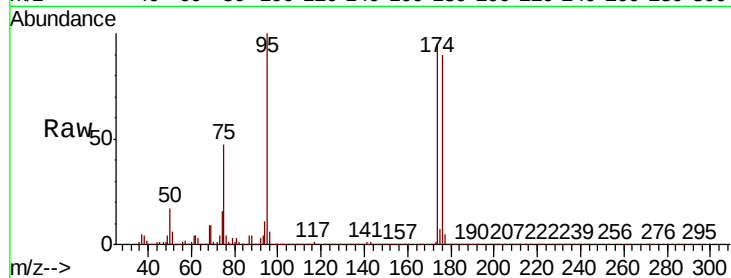
Tot Ion: 95 Resp: 406653

Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.0

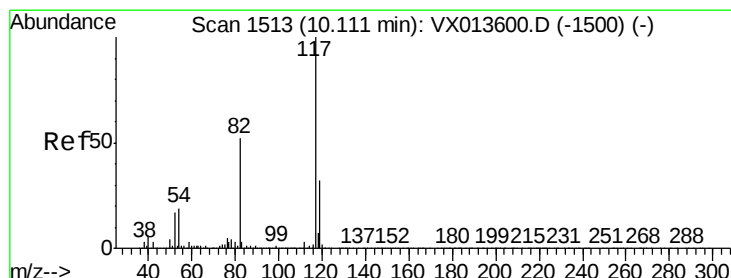
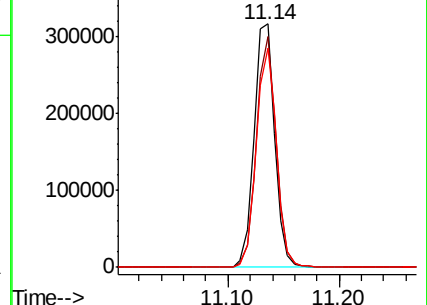
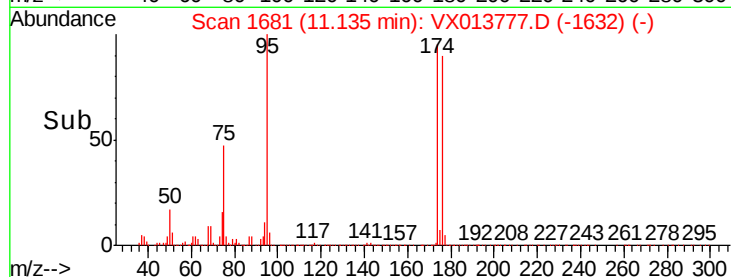
176 88.3 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX013777.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX013777.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX013777.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

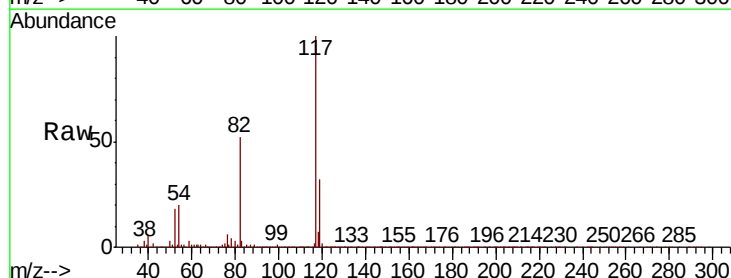
Tgt Ion: 117 Resp: 907761

Ion Ratio Lower Upper

117 100

82 51.5 41.8 62.8

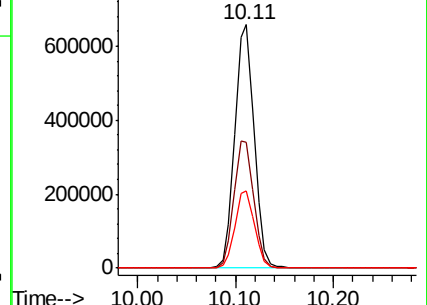
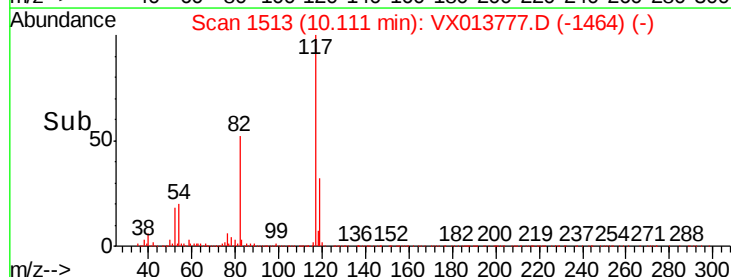
119 31.9 25.8 38.8

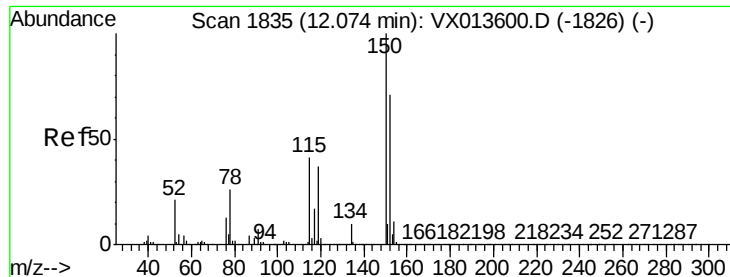


Abundance Ion 116.90 (116.60 to 117.60): VX013777.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013777.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013777.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

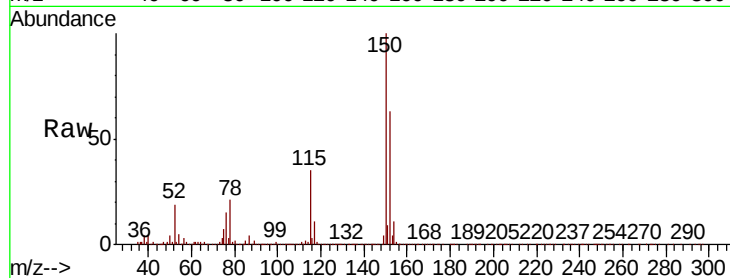
Tot Ion:152 Resp: 413639

Ion Ratio Lower Upper

152 100

115 55.7 38.4 115.1

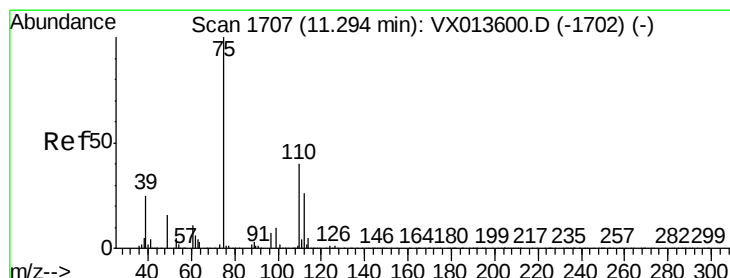
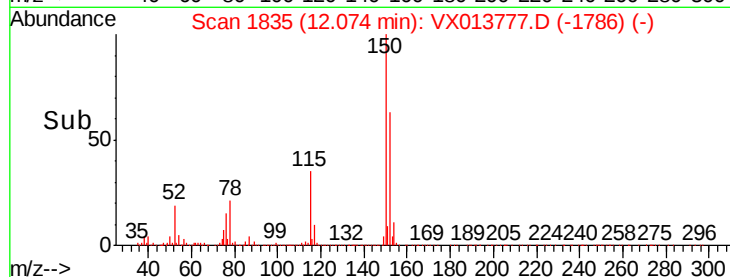
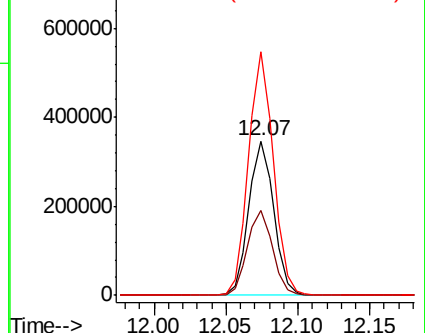
150 156.7 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.267 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013777.D

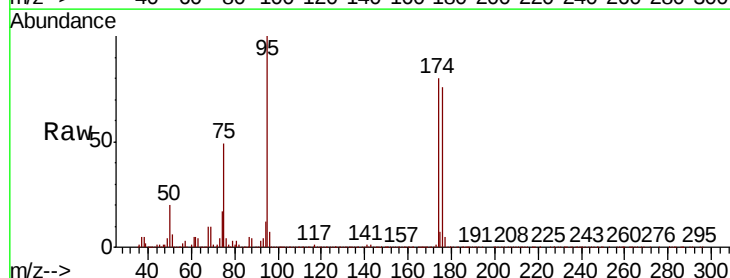
Acq: 05 Dec 2019 15:26

Tgt Ion: 75 Resp: 197855

Ion Ratio Lower Upper

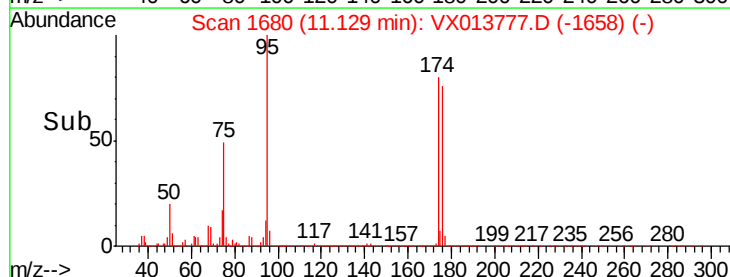
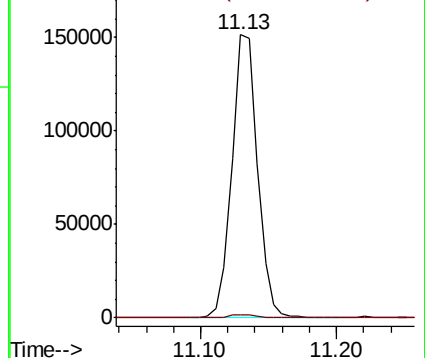
75 100

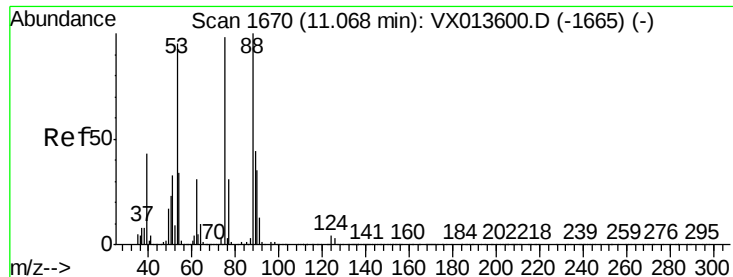
77 1.1 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.182 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013777.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

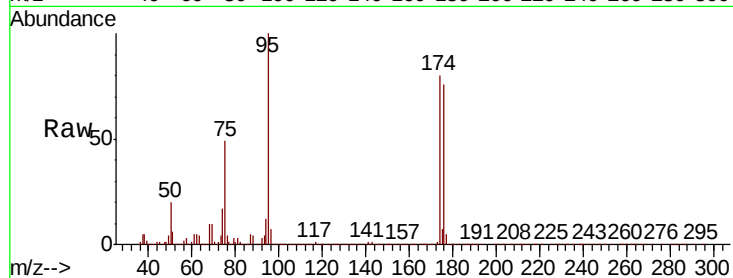
Tot Ion: 75 Resp: 197855

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.0 35.4 53.2#



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

