

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013977.D
 Acq On : 12 Dec 2019 15:59
 Operator : JC/SP
 Sample : K6249-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ192I-20191208

Quant Time: Dec 13 00:52:36 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	567304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	871378	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	775594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	322526	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	324019	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	5.48	113	258502	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	8.71	98	1031598	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.14	95	336347	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	

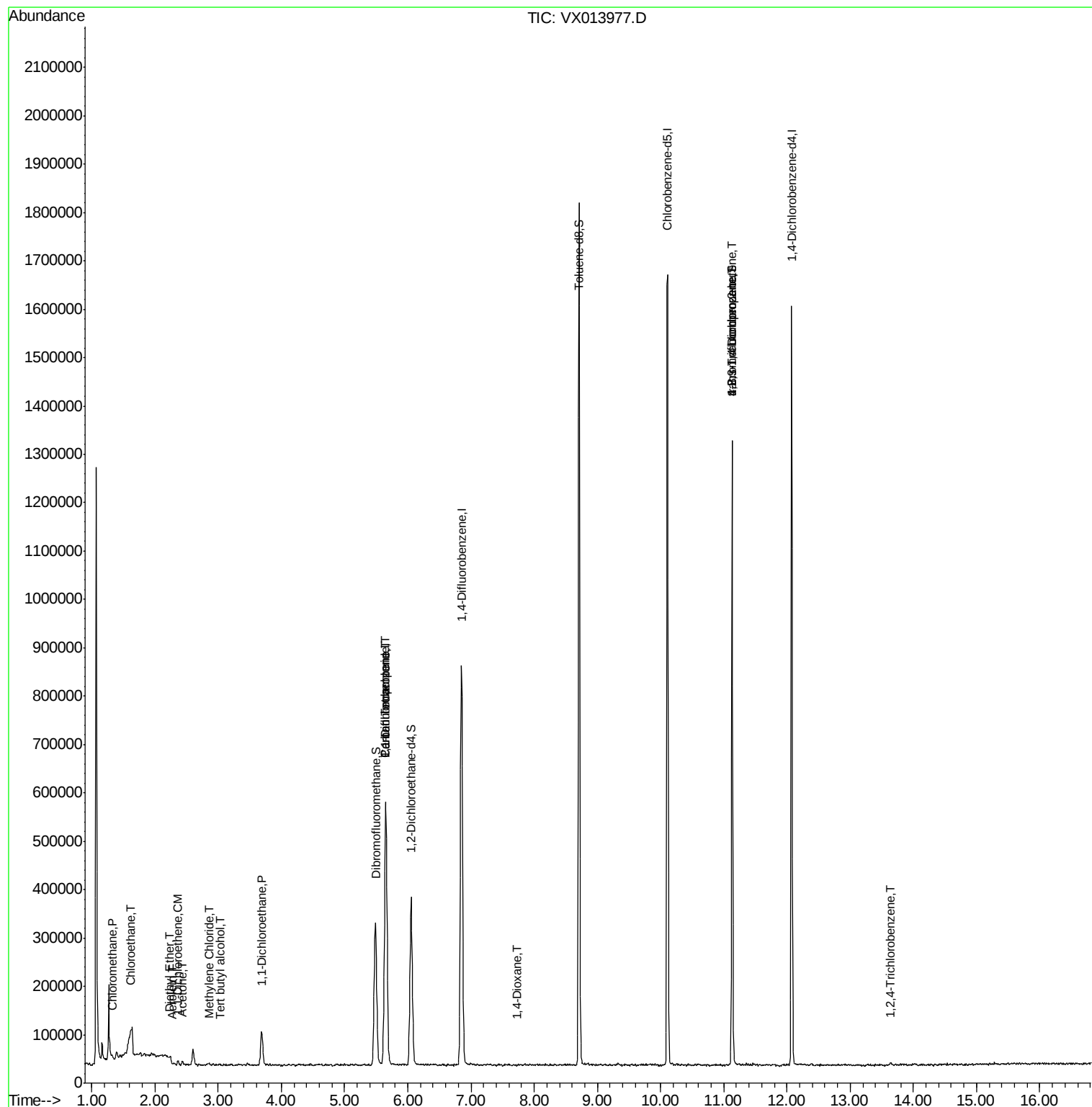
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1653	0.233	ug/l #	87
6) Chloroethane	1.61	64	3475	0.766	ug/l #	68
8) Diethyl Ether	2.22	74	834	0.208	ug/l	70
11) Tert butyl alcohol	3.04	59	1651	1.016	ug/l	96
12) 1,1-Dichloroethene	2.36	96	4555	0.844	ug/l	97
13) Acrolein	2.28	56	659	6.595	ug/l #	18
16) Acetone	2.43	43	9397	2.890	ug/l	99
20) Methylene Chloride	2.86	84	2573	0.412	ug/l #	29
24) 1,1-Dichloroethane	3.69	63	84430	8.187	ug/l	98
36) 1,1-Dichloropropene	5.65	75	38613	4.882	ug/l #	52
38) Carbon Tetrachloride	5.65	117	48309	6.623	ug/l #	16
49) 1,4-Dioxane	7.73	88	121	0.762	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	162584	22.412	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	162584	61.317	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	1982	0.270	ug/l	91

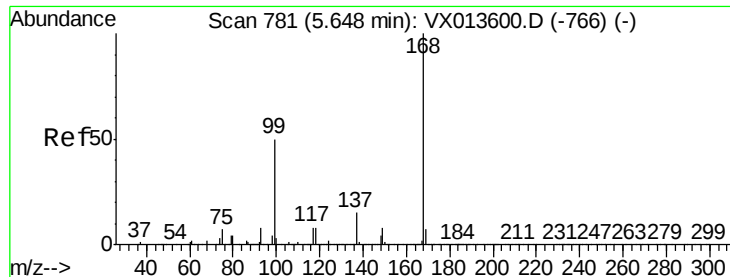
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 13 00:52:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013977.D

Acq: 12 Dec 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

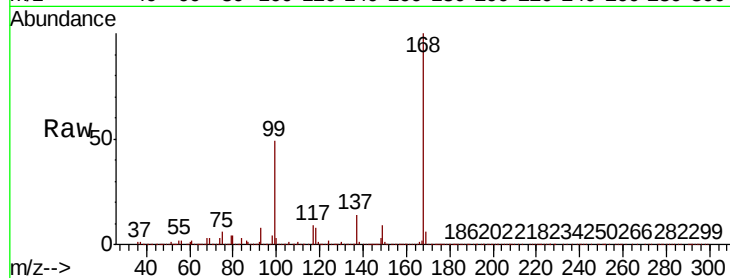
SA-PZ192I-20191208

Tot Ion:168 Resp: 567304

Ion Ratio Lower Upper

168 100

99 49.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

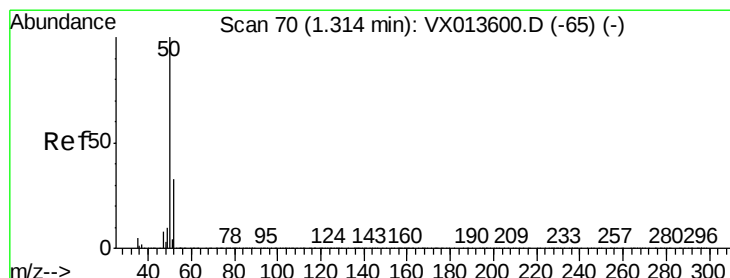
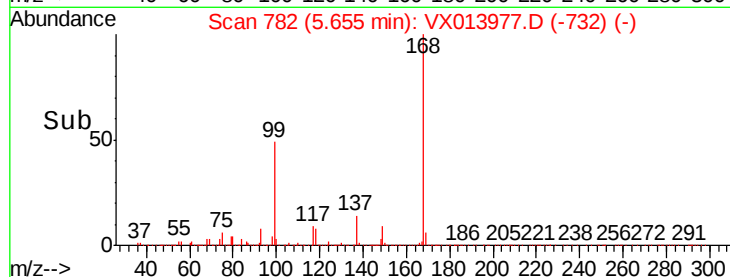
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013977.D

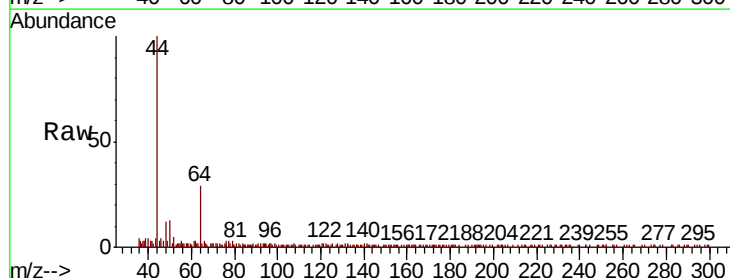
Acq: 12 Dec 2019 15:59

Tgt Ion: 50 Resp: 1653

Ion Ratio Lower Upper

50 100

52 40.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

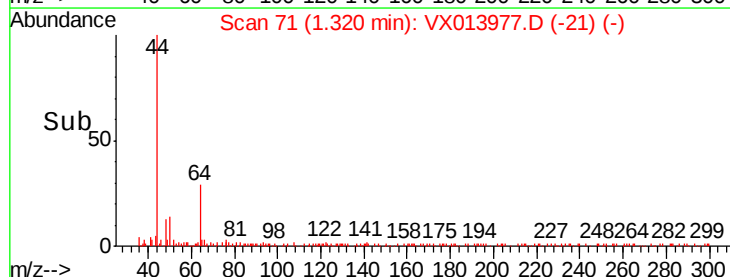
1500

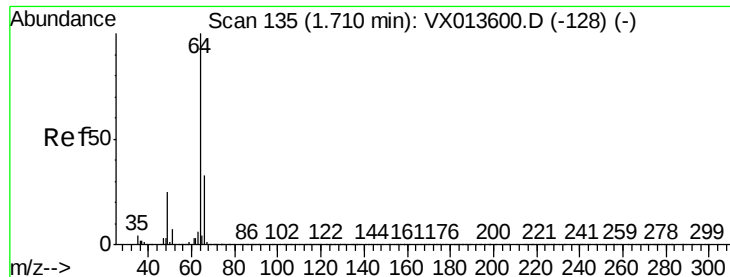
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.766 ug/l

RT: 1.61 min Scan# 119

Delta R.T. -0.10 min

Lab File: VX013977.D

Acq: 12 Dec 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

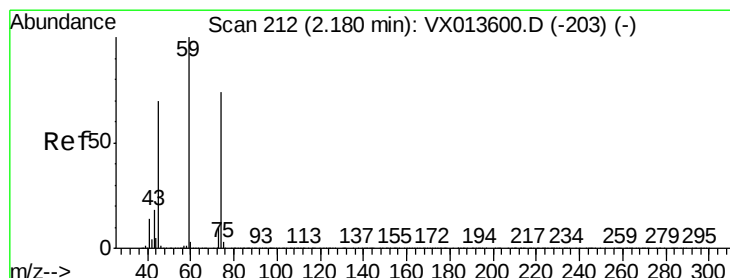
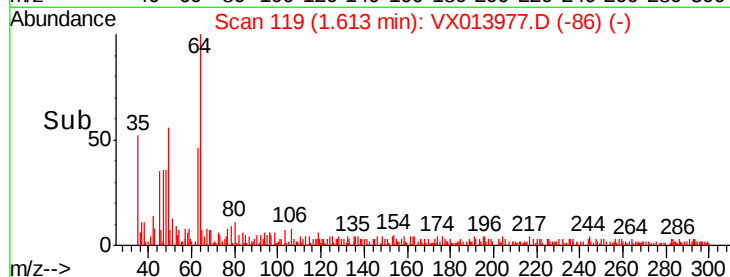
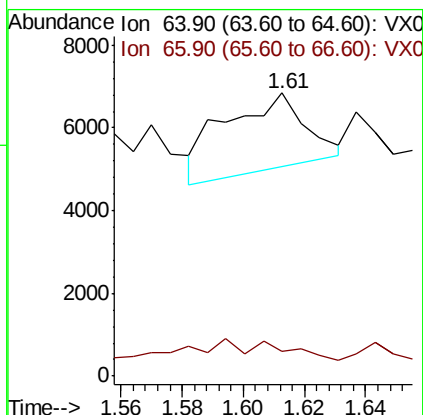
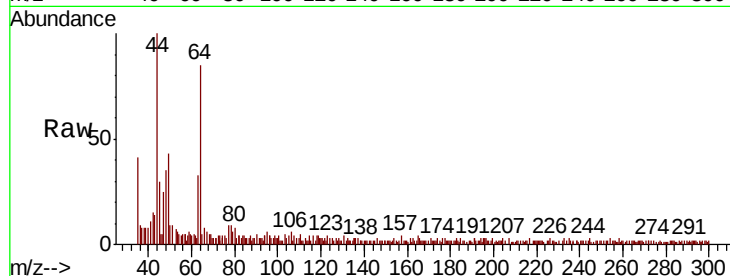
SA-PZ192I-20191208

Tot Ion: 64 Resp: 3475

Ion Ratio Lower Upper

64 100

66 15.3 26.7 40.1#



#8

Diethyl Ether

Concen: 0.208 ug/l

RT: 2.22 min Scan# 219

Delta R.T. 0.04 min

Lab File: VX013977.D

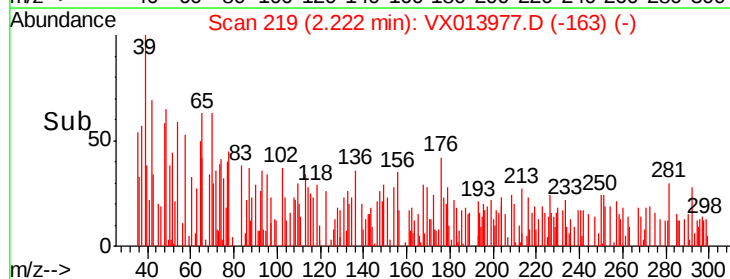
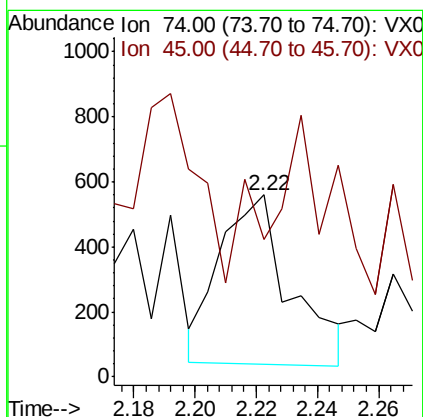
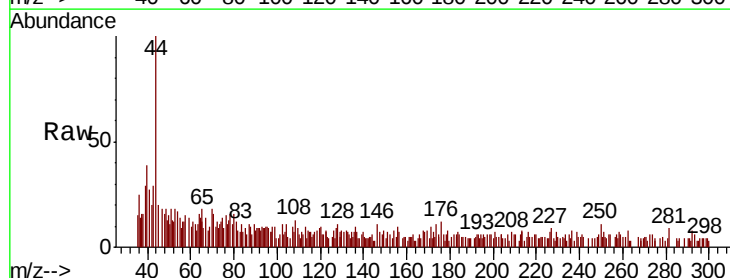
Acq: 12 Dec 2019 15:59

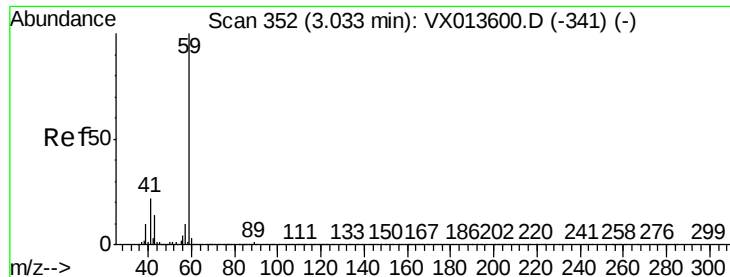
Tgt Ion: 74 Resp: 834

Ion Ratio Lower Upper

74 100

45 68.0 48.9 146.8

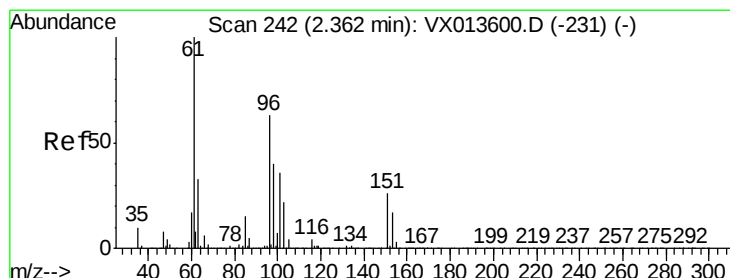
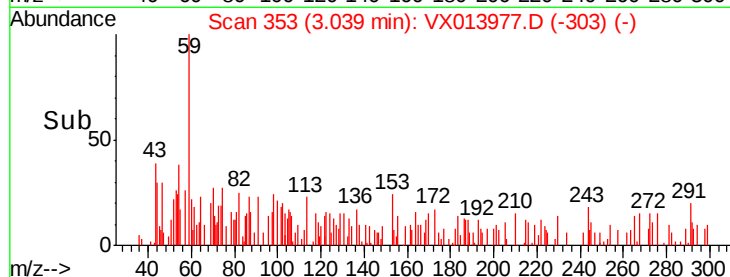
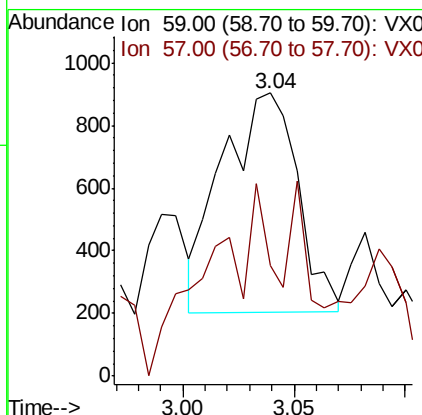
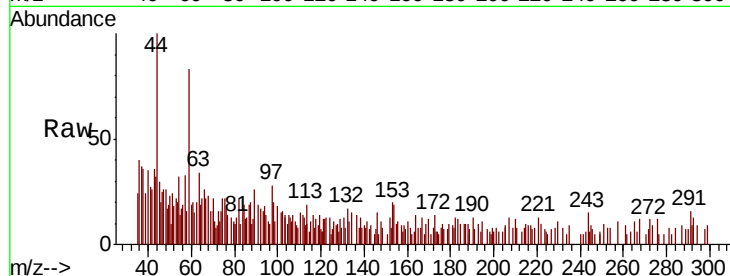




#11
Tert butyl alcohol
Concen: 1.016 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

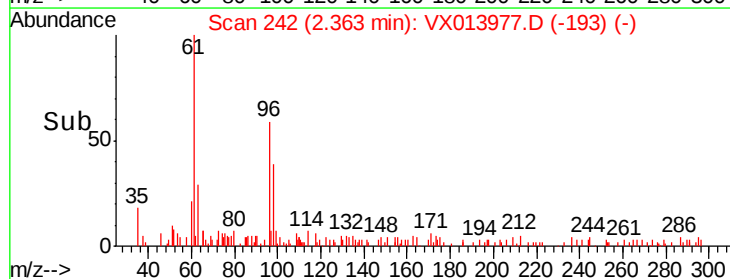
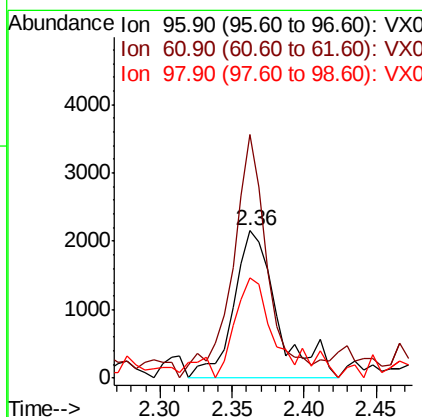
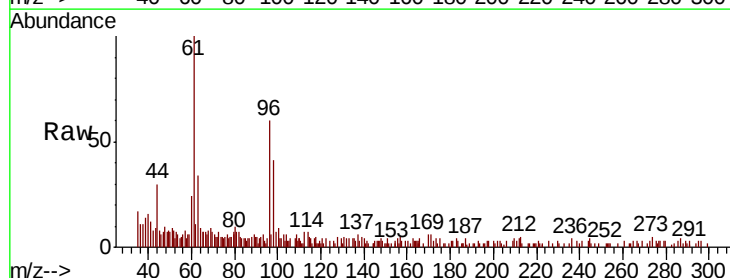
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ192I-20191208

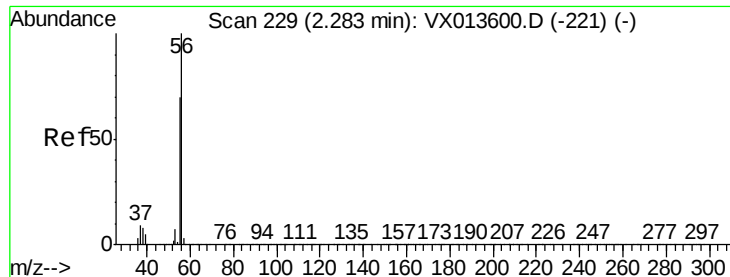
Tot Ion: 59 Resp: 1651
Ion Ratio Lower Upper
59 100
57 11.3 7.8 11.6



#12
1,1-Dichloroethene
Concen: 0.844 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

Tgt Ion: 96 Resp: 4555
Ion Ratio Lower Upper
96 100
61 156.1 126.6 190.0
98 68.1 50.6 76.0

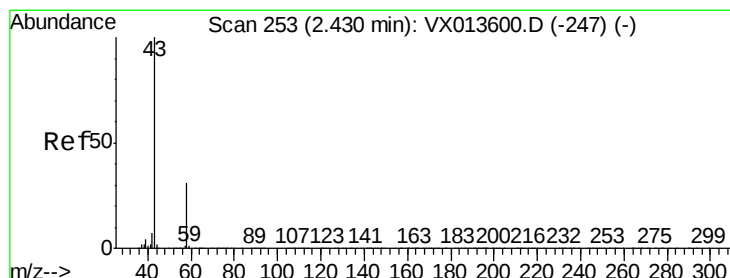
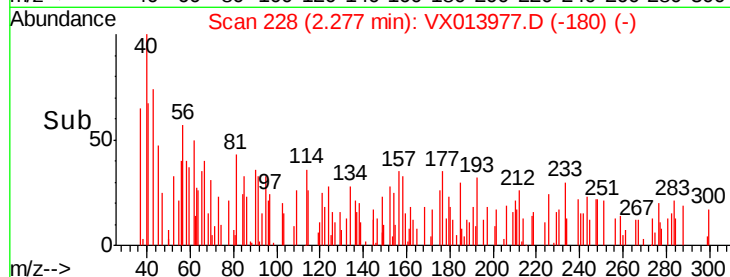
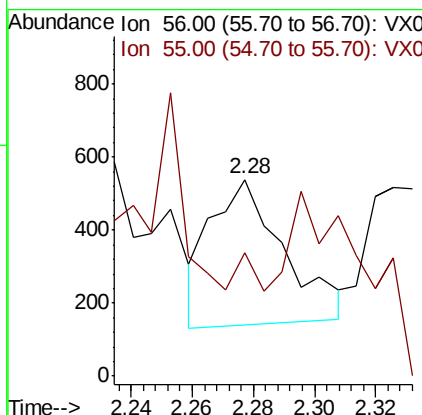
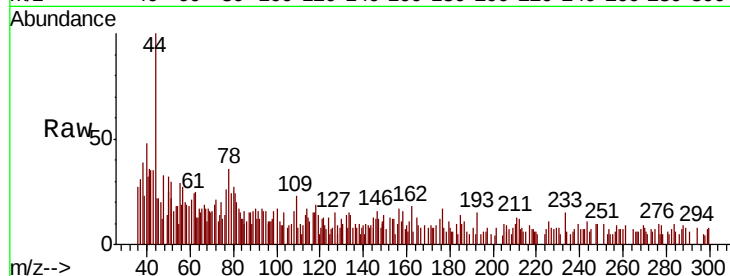




#13
Acrolein
Concen: 6.595 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

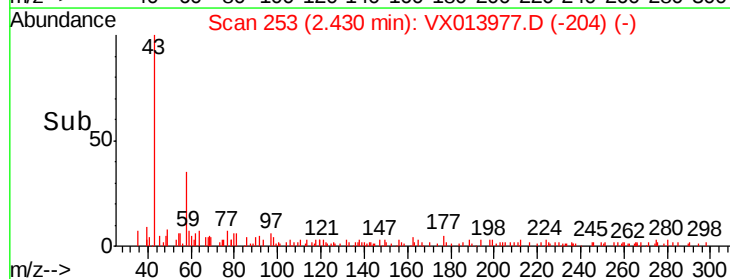
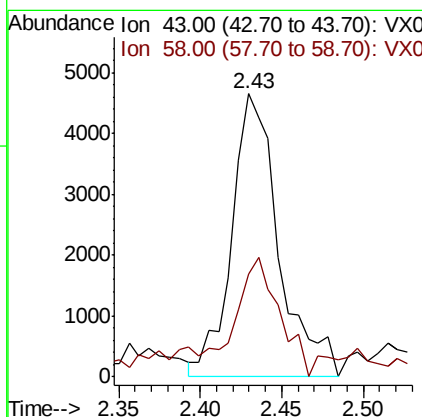
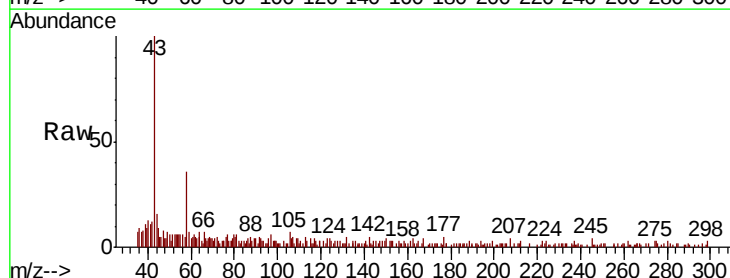
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ192I-20191208

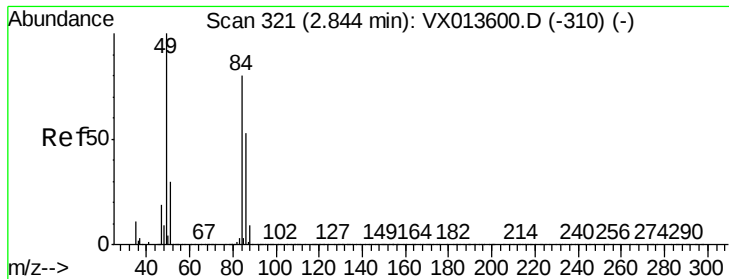
Tot Ion: 56 Resp: 659
Ion Ratio Lower Upper
56 100
55 137.9 56.2 84.4#



#16
Acetone
Concen: 2.890 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

Tgt Ion: 43 Resp: 9397
Ion Ratio Lower Upper
43 100
58 30.1 24.6 36.8

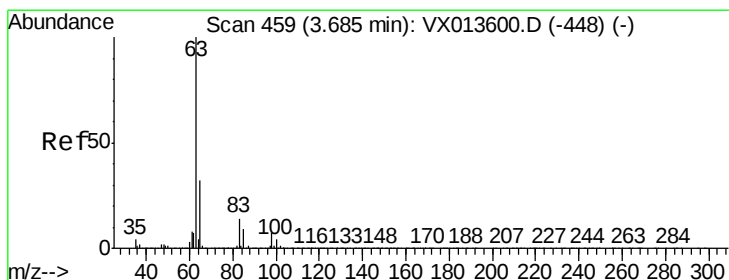
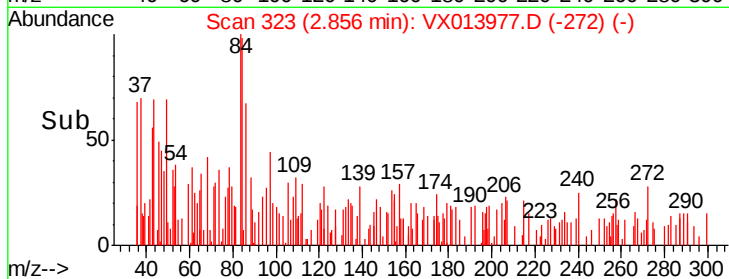
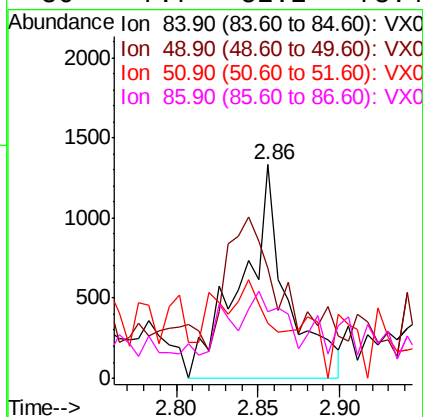
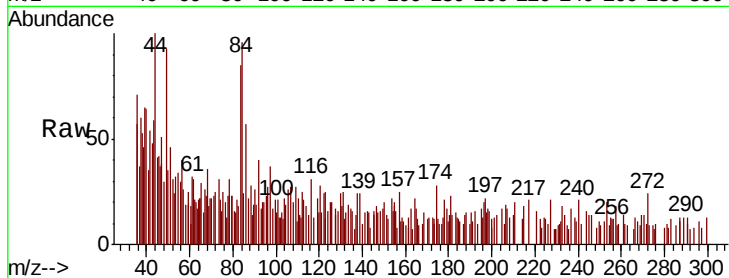




#20
Methvlene Chloride
Concen: 0.412 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

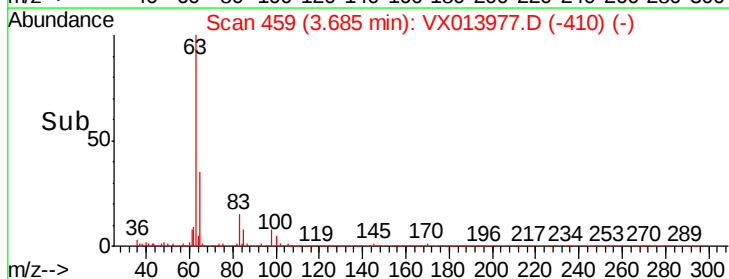
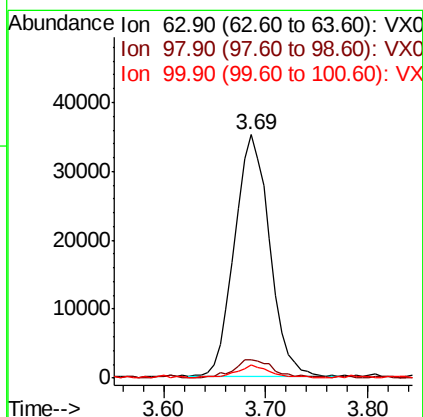
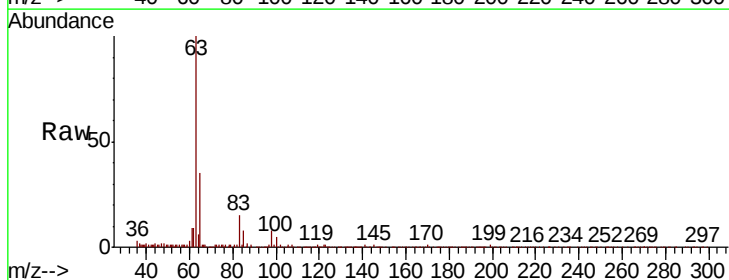
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ192I-20191208

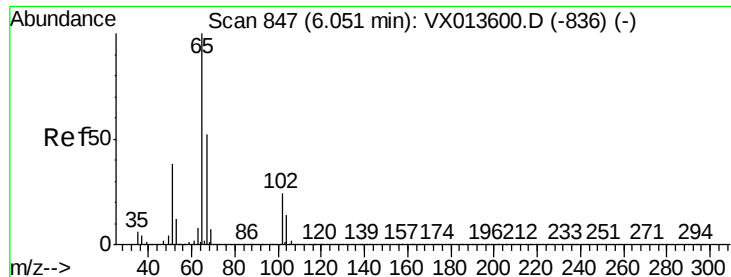
Tot Ion:	84	Resp:	2573
Ion	Ratio	Lower	Upper
84	100		
49	36.8	99.7	149.5#
51	10.0	29.9	44.9#
86	7.7	52.2	78.4#



#24
1,1-Dichloroethane
Concen: 8.187 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

Tgt Ion:	63	Resp:	84430
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.4
100	4.8	2.1	6.3





#33

1,2-Dichloroethane-d4

Concen: 49.205 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013977.D

Acq: 12 Dec 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

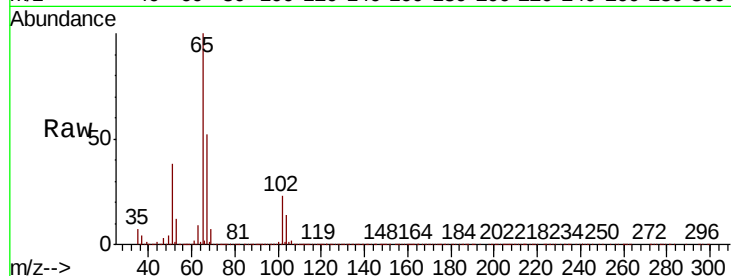
SA-PZ192I-20191208

Tot Ion: 65 Resp: 324019

Ion Ratio Lower Upper

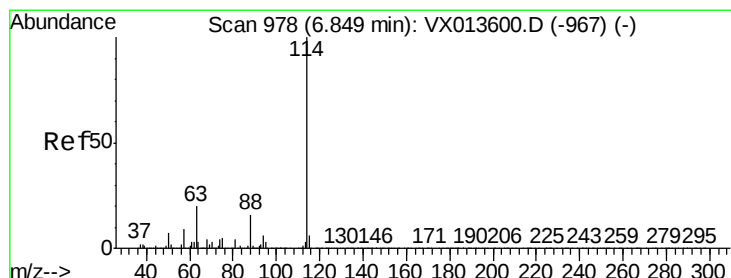
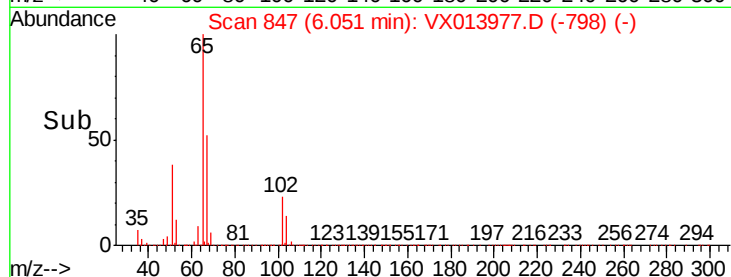
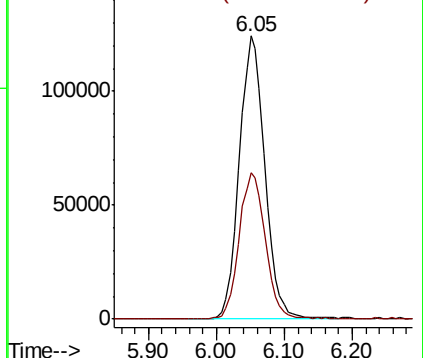
65 100

67 52.5 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: VX013977.D

Acq: 12 Dec 2019 15:59

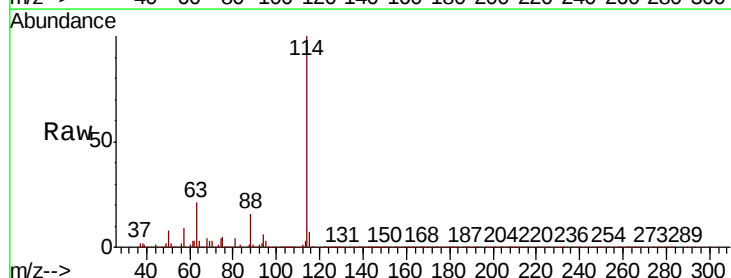
Tgt Ion: 114 Resp: 871378

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

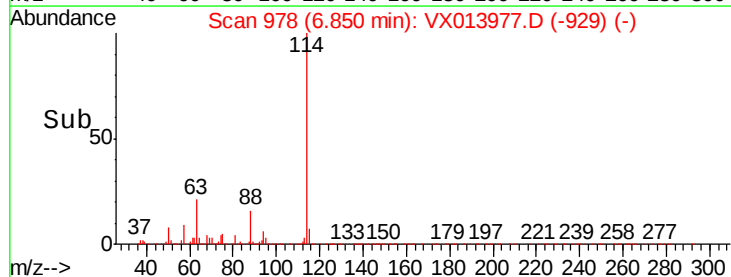
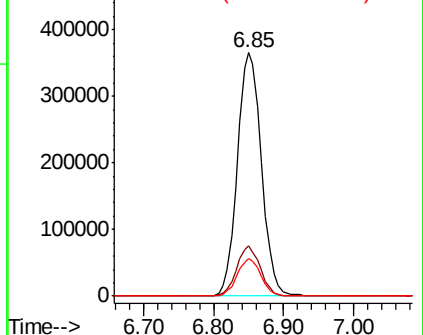
88 15.6 0.0 31.4

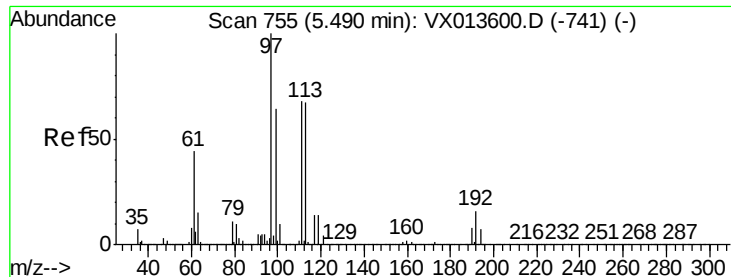


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.987 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013977.D

Acq: 12 Dec 2019 15:59

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ClientSampleId :

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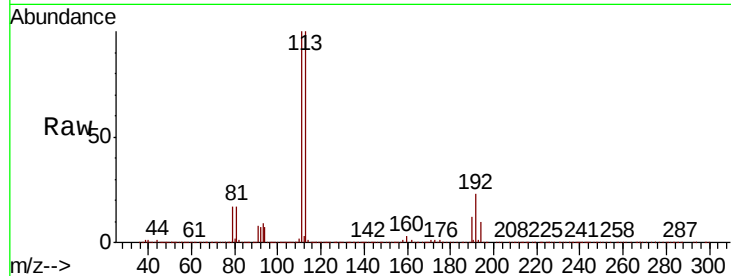
Tot Ion:113 Resp: 258502

Ion Ratio Lower Upper

113 100

111 101.9 83.6 125.4

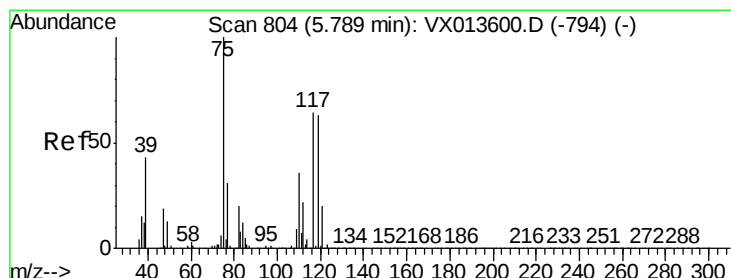
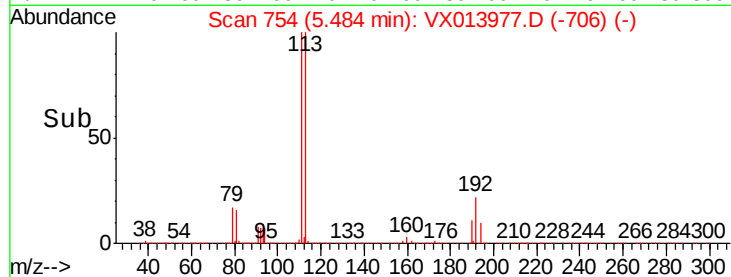
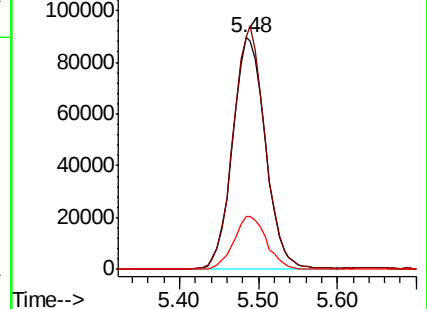
192 22.7 19.2 28.8



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: 4.882 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013977.D

Acq: 12 Dec 2019 15:59

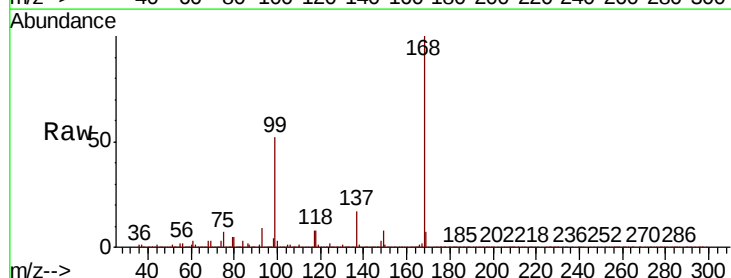
Tgt Ion: 75 Resp: 38613

Ion Ratio Lower Upper

75 100

110 11.4 18.1 54.1#

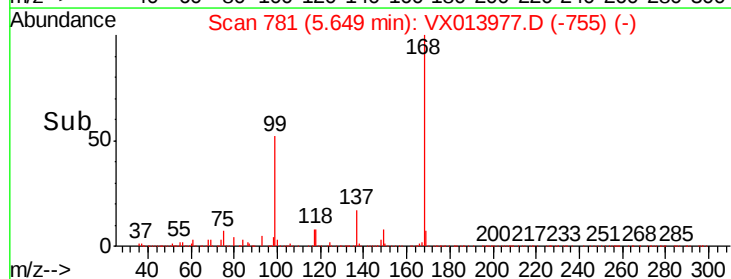
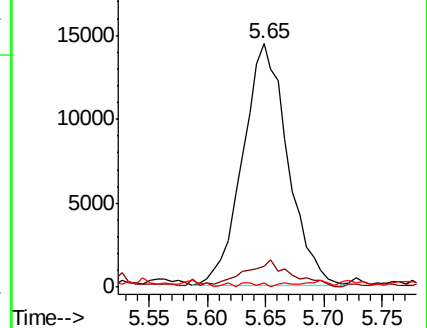
77 0.6 24.5 36.7#

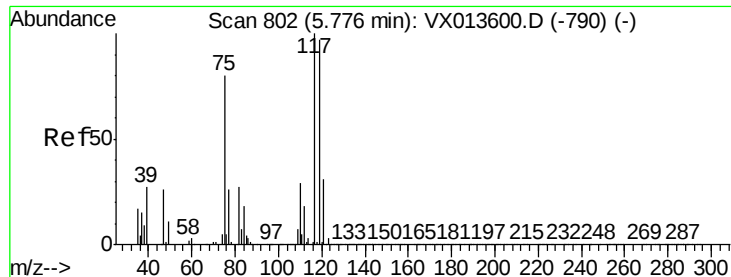


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.623 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013977.D

Acq: 12 Dec 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ192I-20191208

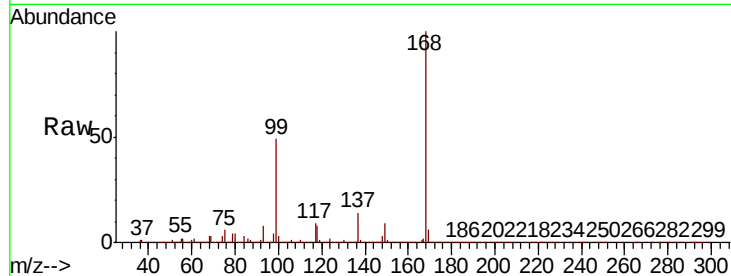
Tot Ion:117 Resp: 48309

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

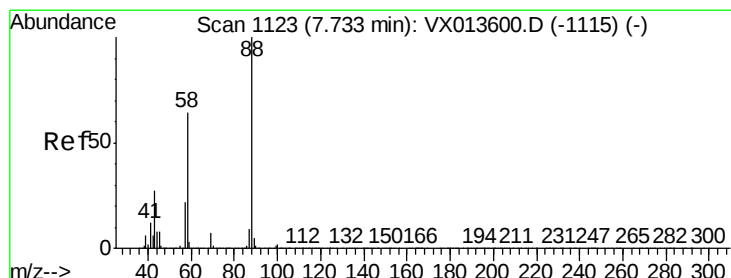
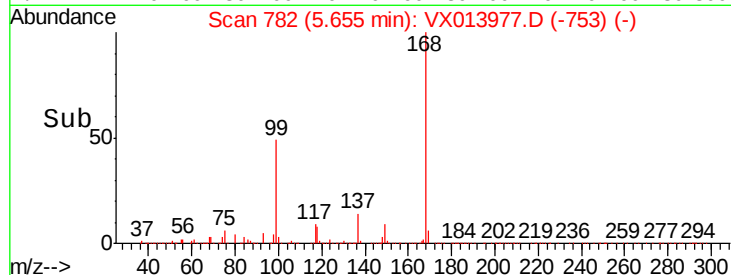
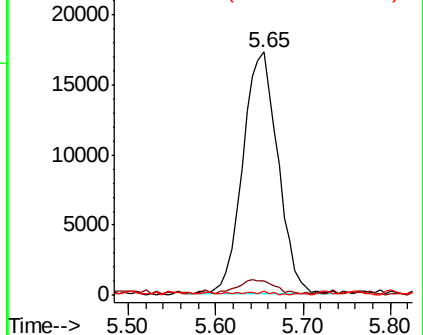
121 0.5 25.0 37.6#



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: 0.762 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013977.D

Acq: 12 Dec 2019 15:59

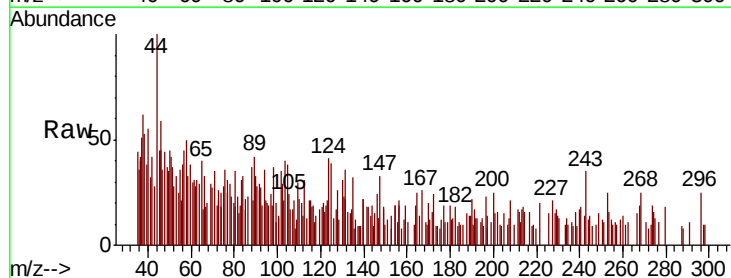
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

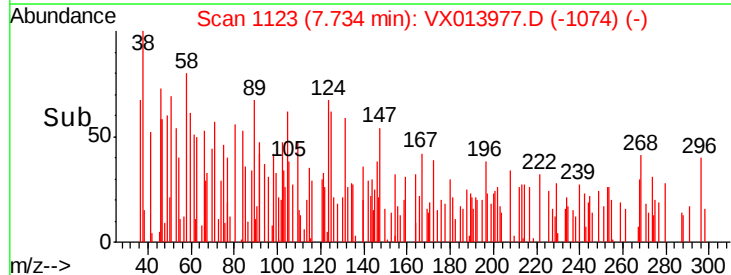
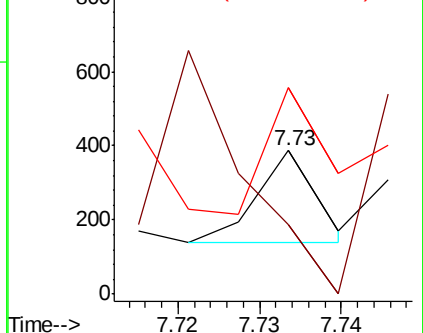
58 388.4 54.6 82.0#

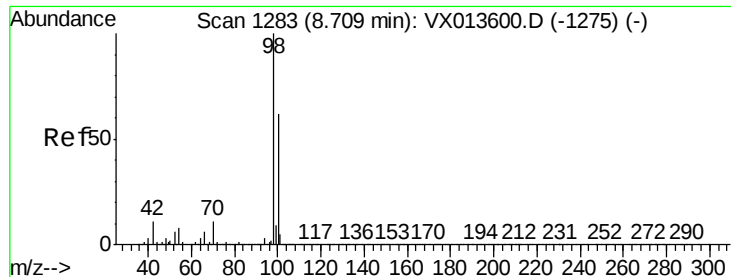


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

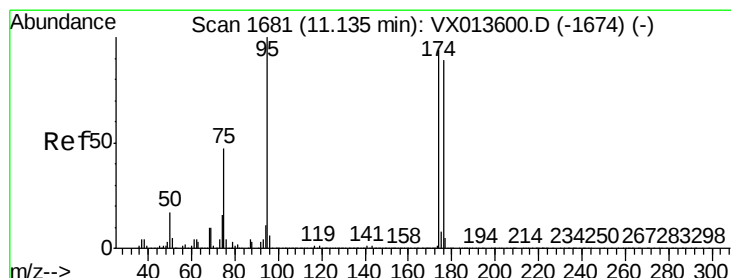
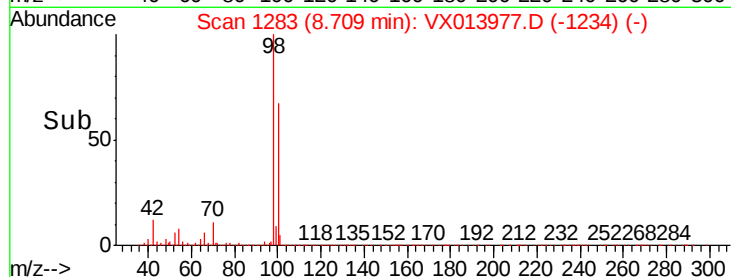
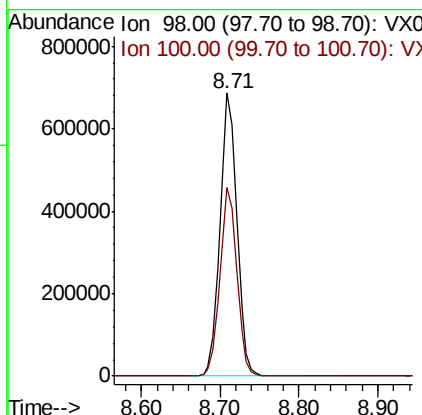
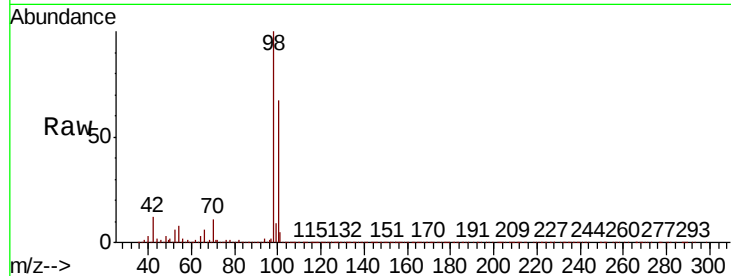




#50
Toluene-d8
Concen: 49.151 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

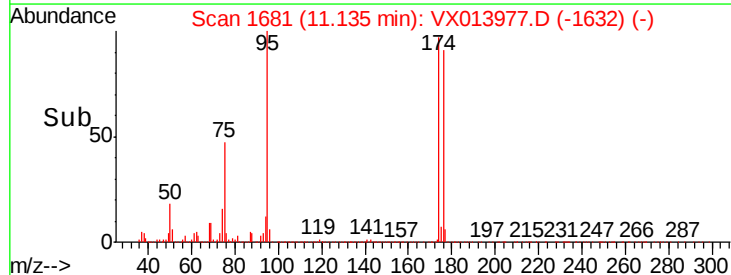
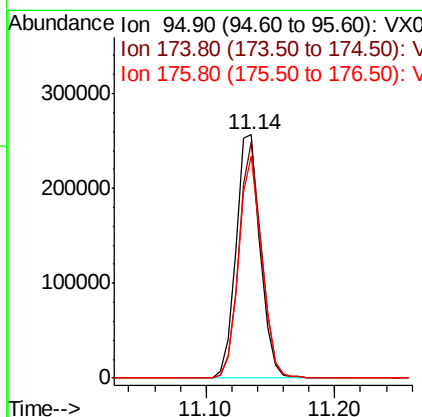
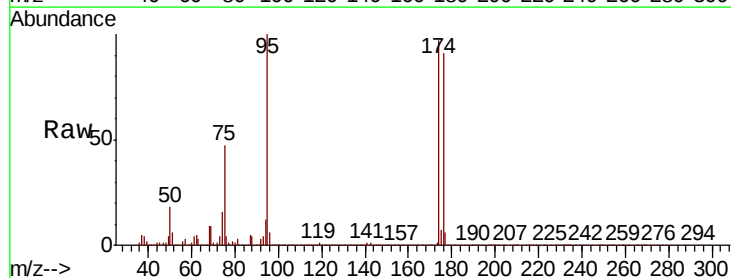
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ192I-20191208

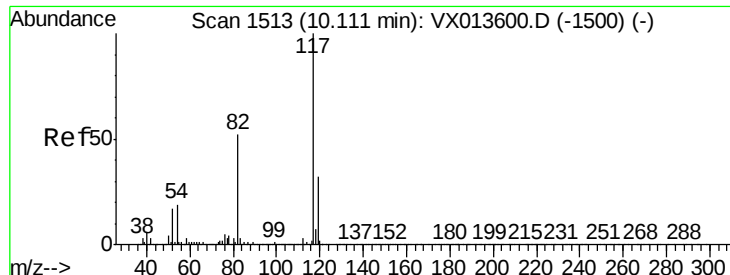
Tot Ion: 98 Resp: 1031598
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.441 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

Tgt Ion: 95 Resp: 336347
Ion Ratio Lower Upper
95 100
174 89.9 0.0 180.0
176 87.2 0.0 173.6

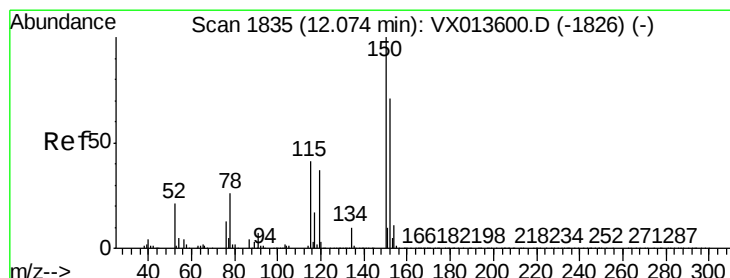
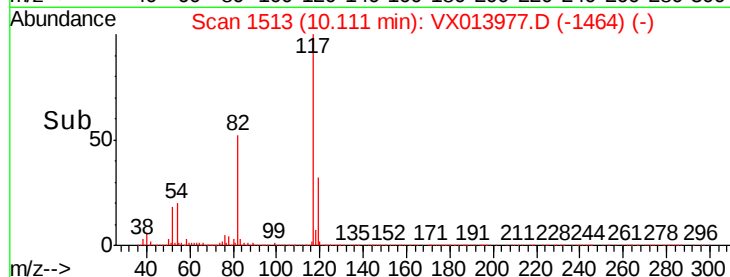
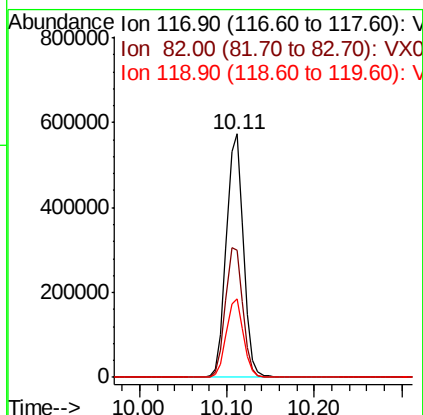
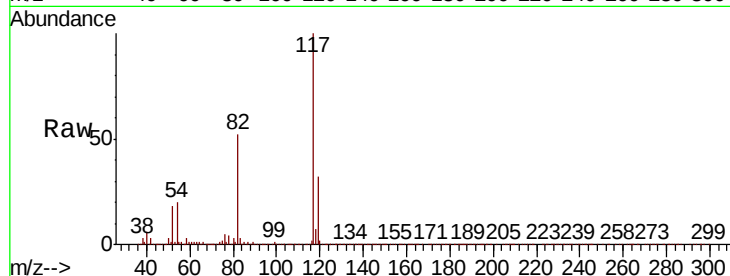




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

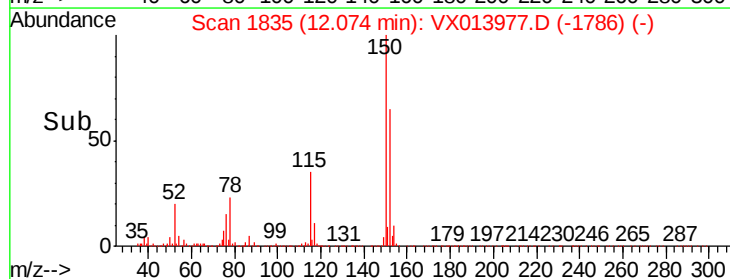
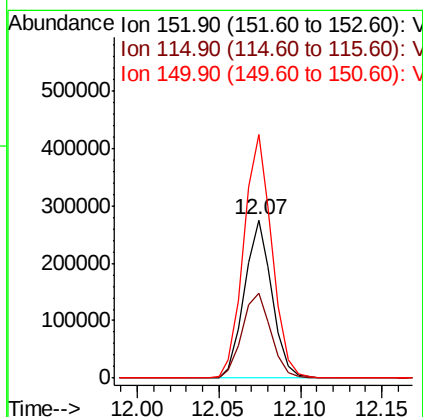
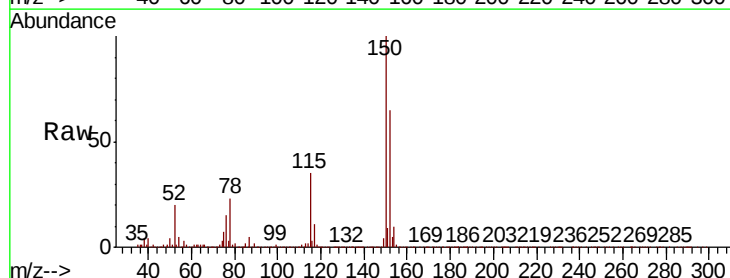
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ192I-20191208

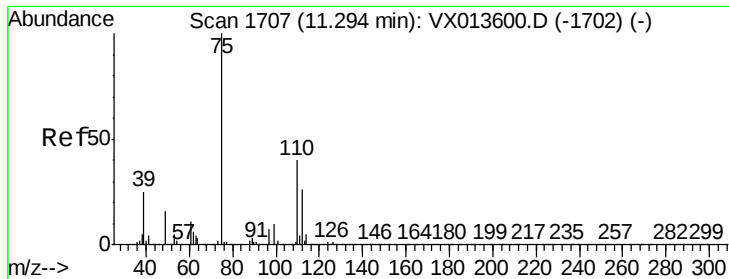
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.8
119	32.1	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013977.D
Acq: 12 Dec 2019 15:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	38.4	115.1
150	158.4	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 22.412 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013977.D

Acq: 12 Dec 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

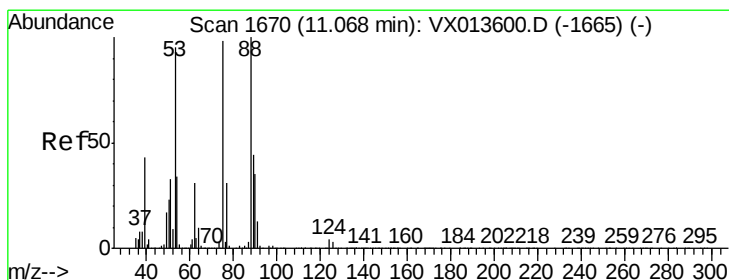
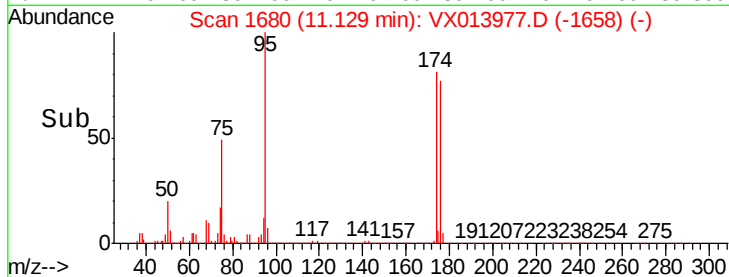
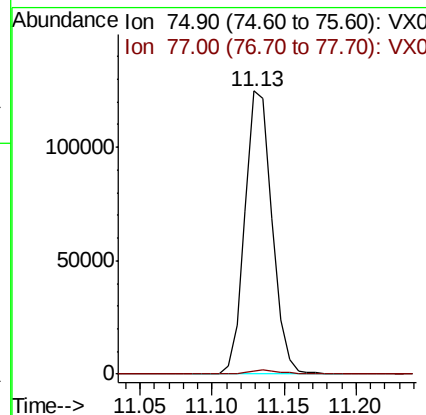
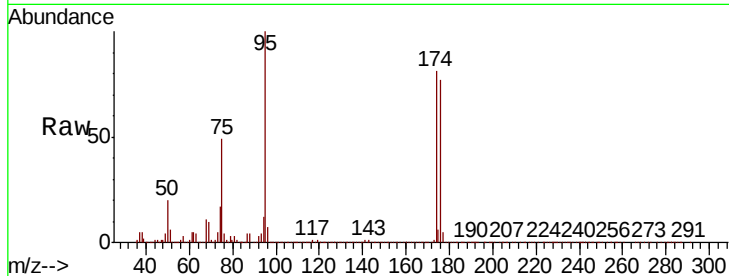
SA-PZ192I-20191208

Tot Ion: 75 Resp: 162584

Ion Ratio Lower Upper

75 100

77 1.7 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.317 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013977.D

Acq: 12 Dec 2019 15:59

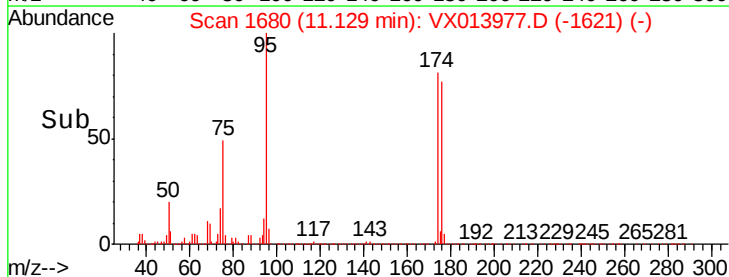
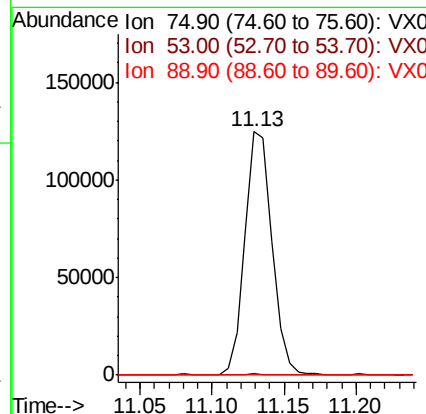
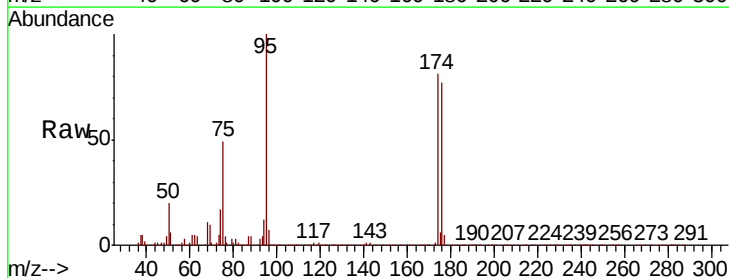
Tgt Ion: 75 Resp: 162584

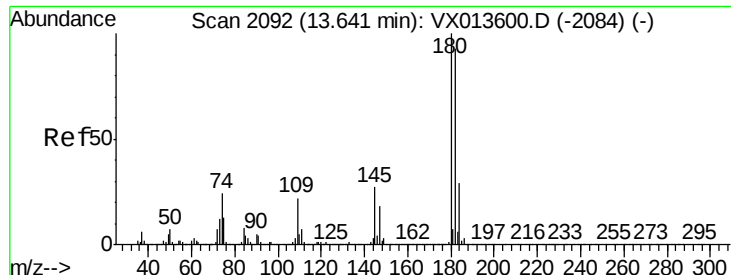
Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.3 35.4 53.2#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.270 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013977.D
 Acq: 12 Dec 2019 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ192I-20191208

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.2	47.2	141.6
145	34.3	13.8	41.4

