

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013813.D
 Acq On : 06 Dec 2019 21:18
 Operator : JC/SP
 Sample : VX1206WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBL02

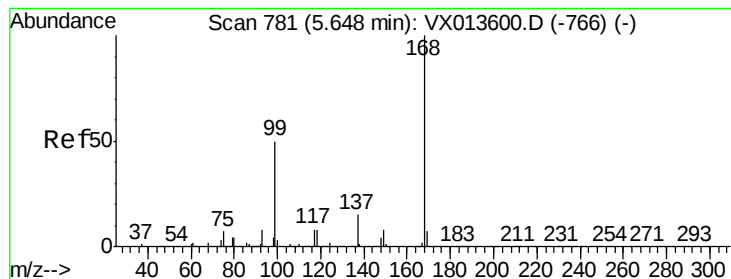
Quant Time: Dec 07 02:42:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	659109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1004687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	890600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	403871	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	362224	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
35) Dibromofluoromethane	5.49	113	299408	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	8.71	98	1183163	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.14	95	399415	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1796	0.289	ug/l	89
6) Chloroethane	1.55	64	9255	1.755	ug/l #	57
8) Diethyl Ether	2.18	74	1480	0.318	ug/l	74
10) Methyl Iodide	2.53	142	1550	0.204	ug/l #	44
11) Tert butyl alcohol	3.01	59	7960	4.215	ug/l #	79
13) Acrolein	2.28	56	411	6.321	ug/l #	15
16) Acetone	2.44	43	2507	0.664	ug/l #	83
20) Methylene Chloride	2.85	84	3891	0.536	ug/l #	77
29) Tetrahydrofuran	5.11	42	1054	0.305	ug/l #	79
36) 1,1-Dichloropropene	5.65	75	44243	4.851	ug/l #	52
38) Carbon Tetrachloride	5.65	117	56816	6.756	ug/l #	16
44) Trichloroethene	7.22	130	1577	0.207	ug/l	88
49) 1,4-Dioxane	7.73	88	287	1.567	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.10	63	903	0.206	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	196578	21.641	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	196578	59.205	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.94	75	428	0.200	ug/l	66

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013813.D

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MSVOA_X

ClientSampleId :

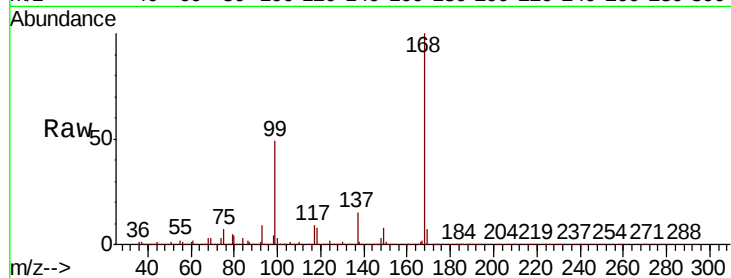
VX1206WBL02

Tot Ion:168 Resp: 659109

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

250000

200000

150000

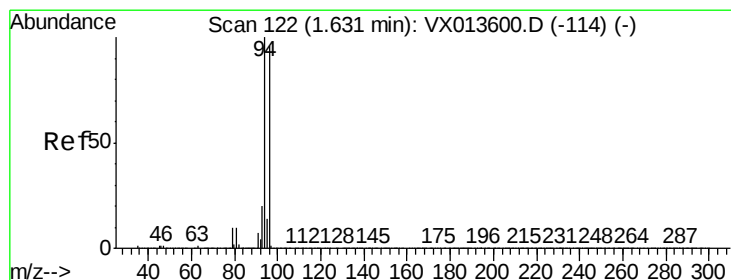
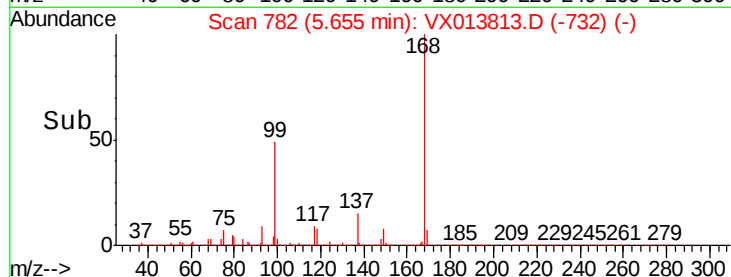
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.289 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013813.D

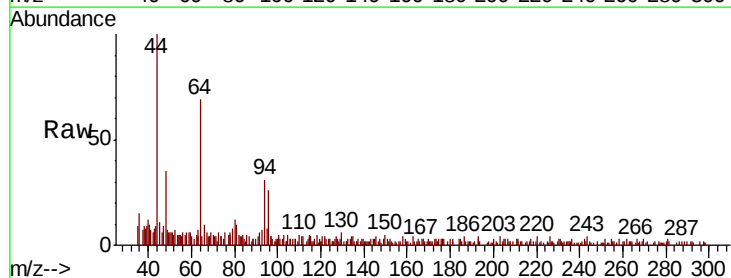
Acq: 06 Dec 2019 21:18

Tgt Ion: 94 Resp: 1796

Ion Ratio Lower Upper

94 100

96 85.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

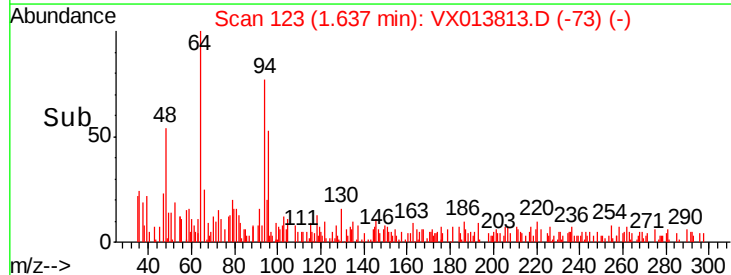
1000

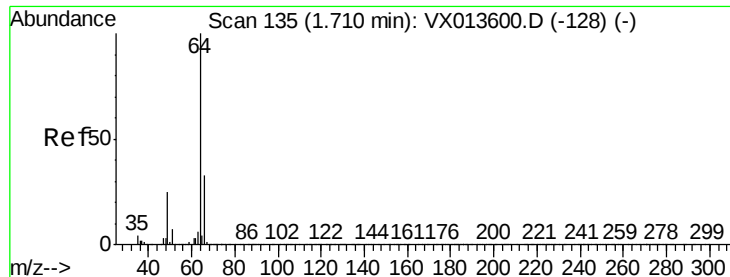
500

0

Time-->

1.60 1.62 1.64 1.66





#6

Chloroethane

Concen: 1.755 ug/l

RT: 1.55 min Scan# 109

Delta R.T. -0.16 min

Lab File: VX013813.D

Acq: 06 Dec 2019 21:18

Instrument :

MSVOA_X

ClientSampleId :

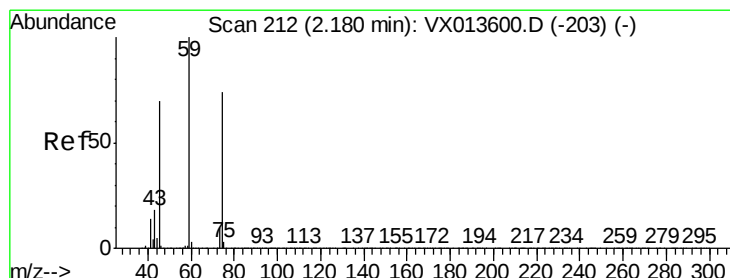
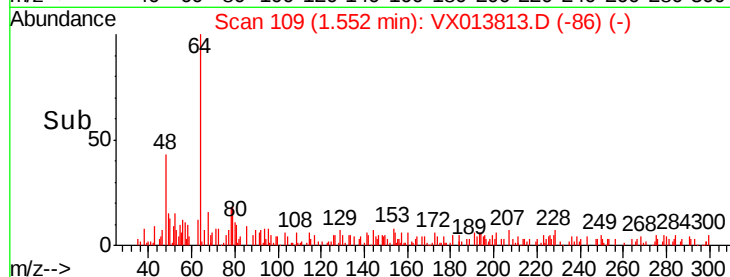
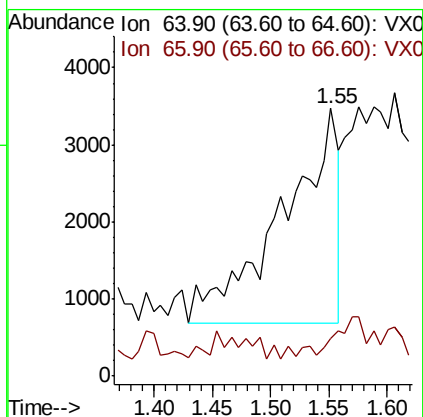
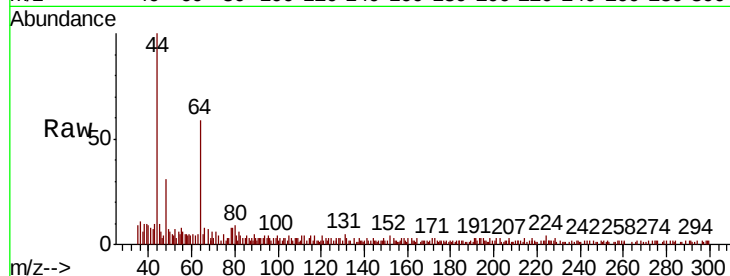
VX1206WBL02

Tot Ion: 64 Resp: 9255

Ion Ratio Lower Upper

64 100

66 8.8 26.7 40.1#



#8

Diethyl Ether

Concen: 0.318 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX013813.D

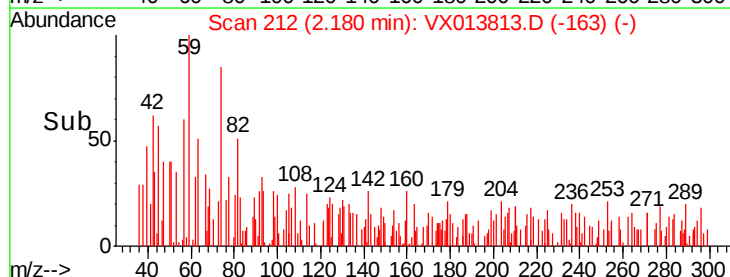
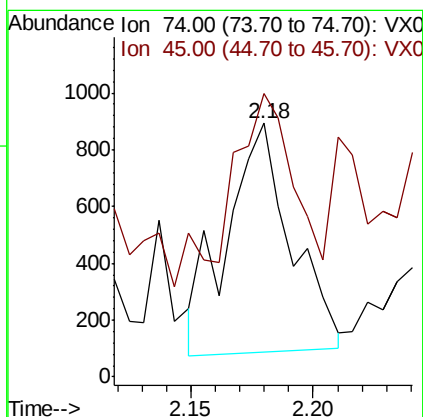
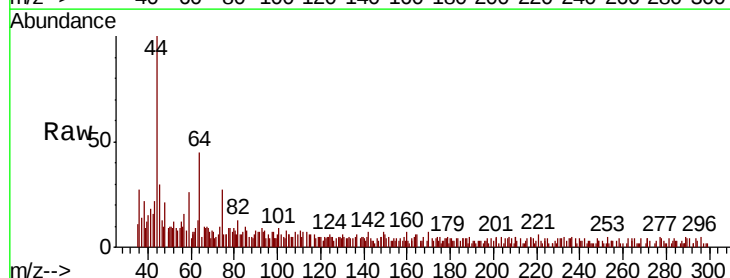
Acq: 06 Dec 2019 21:18

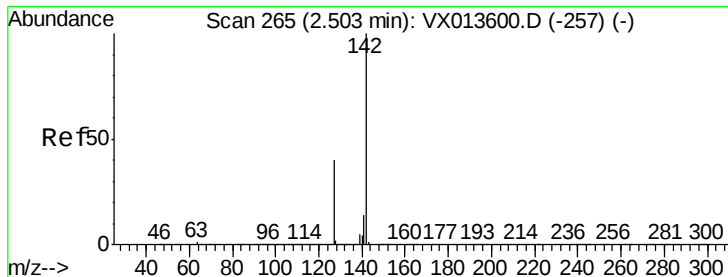
Tgt Ion: 74 Resp: 1480

Ion Ratio Lower Upper

74 100

45 72.3 48.9 146.8

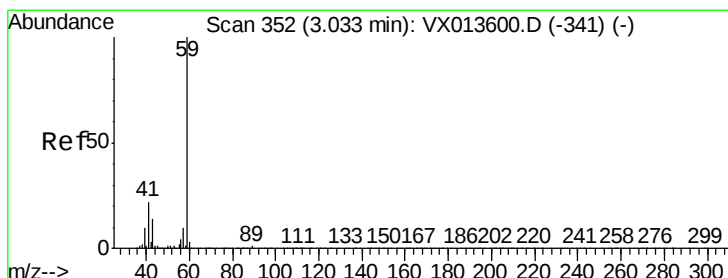
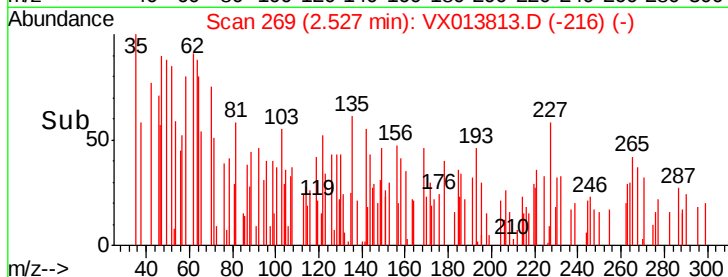
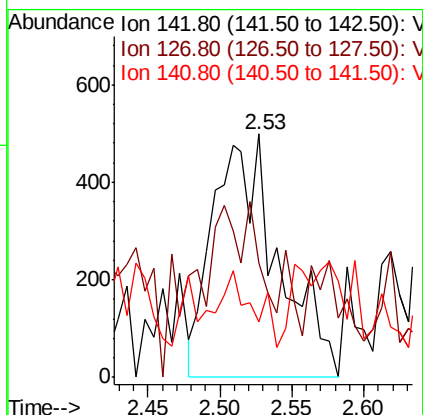
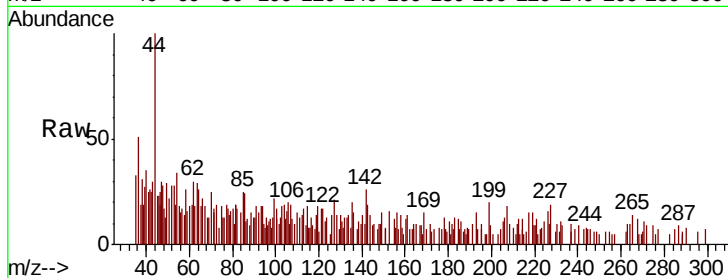




#10
Methyl Iodide
Concen: 0.204 ug/l
RT: 2.53 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX013813.D
Acq: 06 Dec 2019 21:18

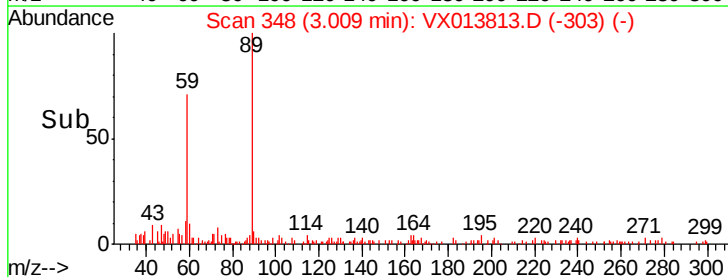
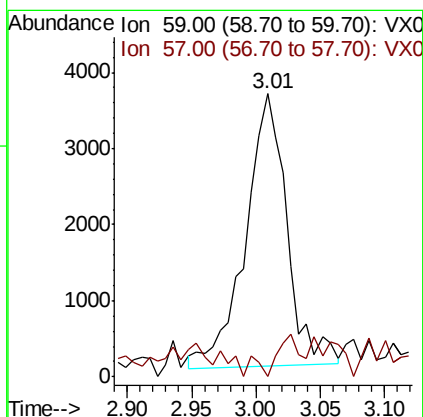
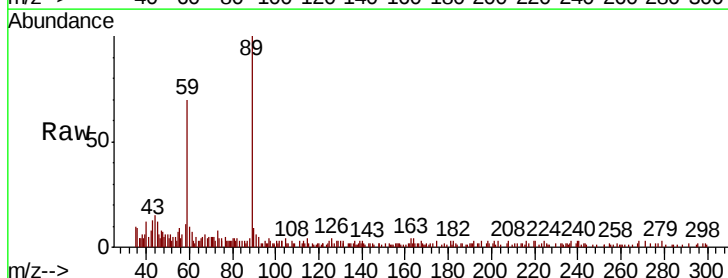
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBL02

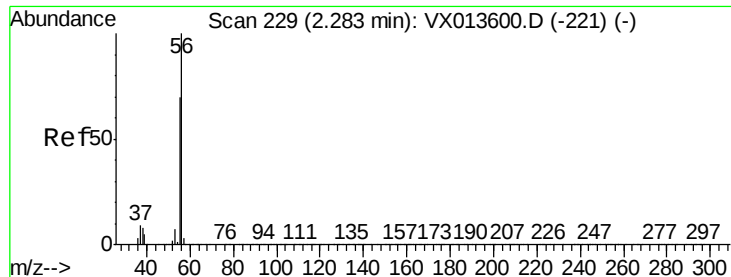
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	31.0	46.4#
141	0.0	11.6	17.4#



#11
Tert butyl alcohol
Concen: 4.215 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013813.D
Acq: 06 Dec 2019 21:18

Tgt Ion	Ratio	Lower	Upper
59	100		
57	2.1	7.8	11.6#





#13

Acrolein

Concen: 6.321 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013813.D

Acq: 06 Dec 2019 21:18

Instrument :

MSVOA_X

ClientSampleId :

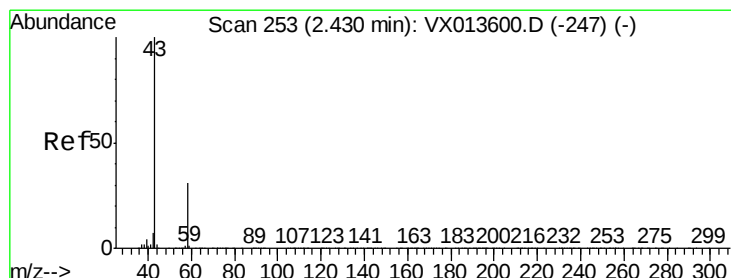
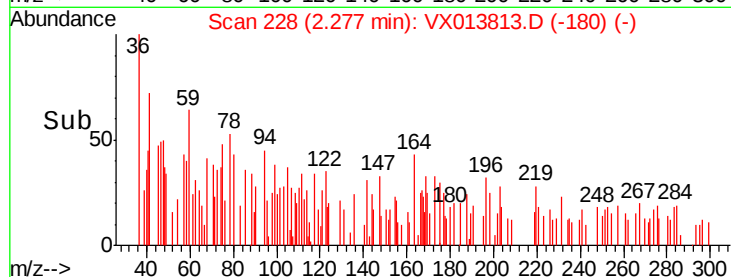
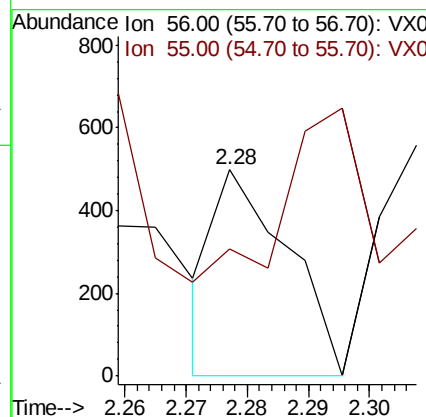
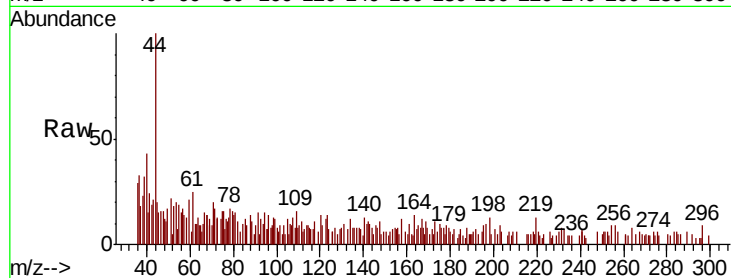
VX1206WBL02

Tot Ion: 56 Resp: 411

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 0.664 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013813.D

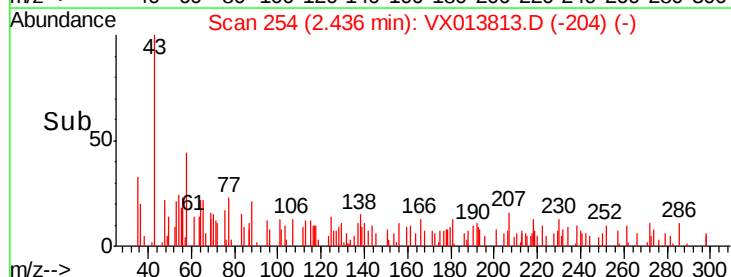
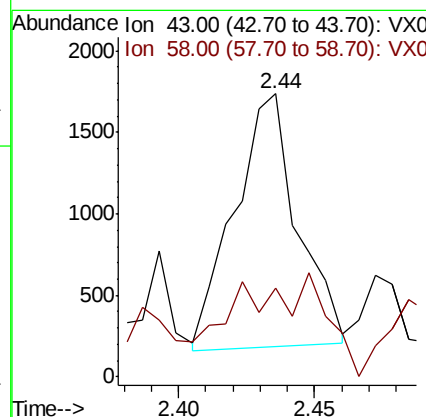
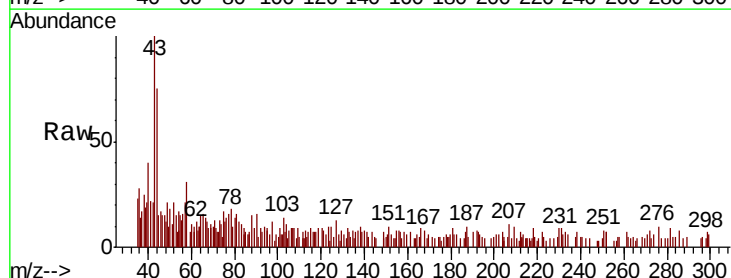
Acq: 06 Dec 2019 21:18

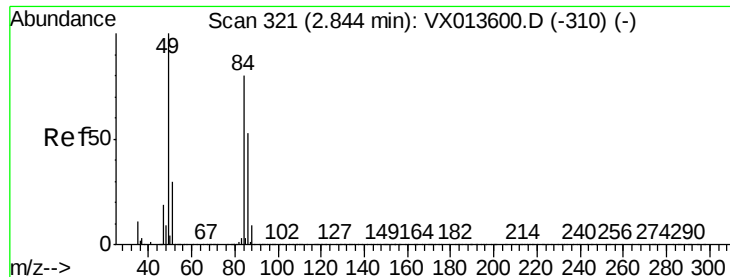
Tgt Ion: 43 Resp: 2507

Ion Ratio Lower Upper

43 100

58 21.6 24.6 36.8#

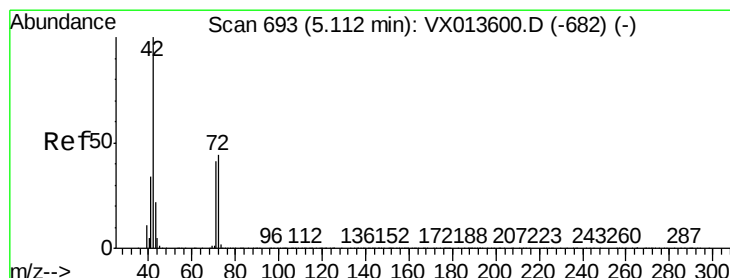
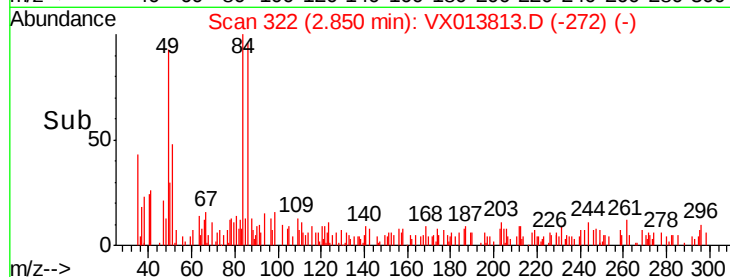
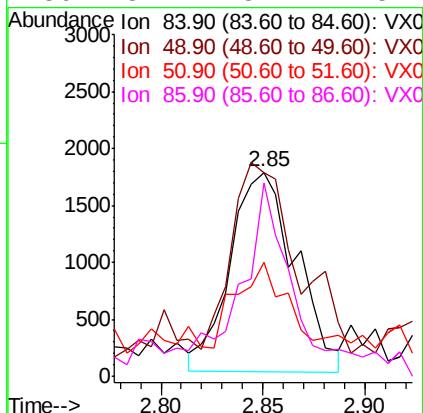
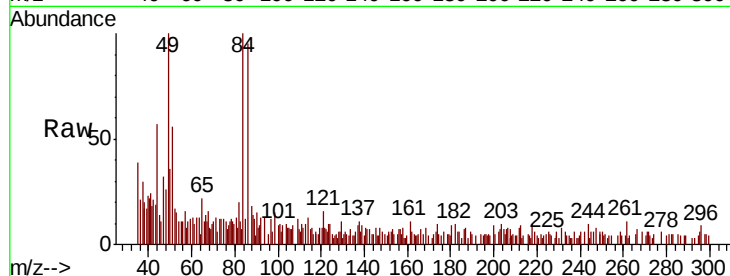




#20
Methvlene Chloride
Concen: 0.536 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013813.D
Acq: 06 Dec 2019 21:18

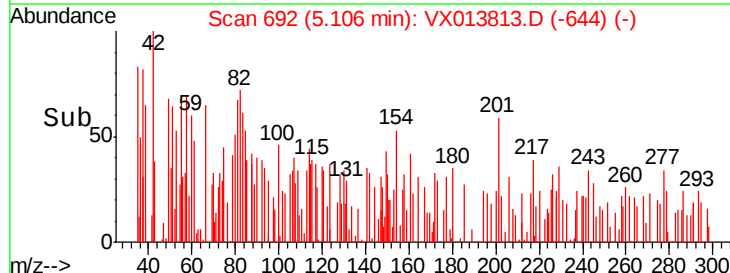
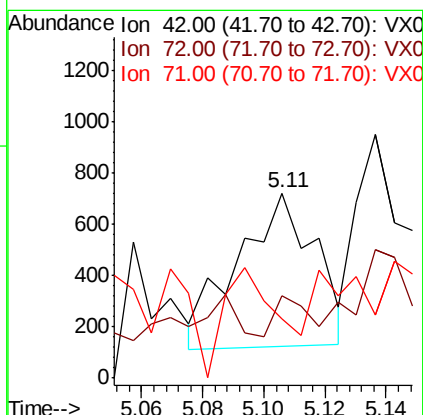
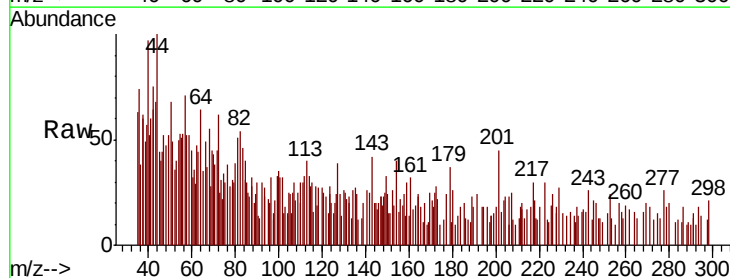
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBL02

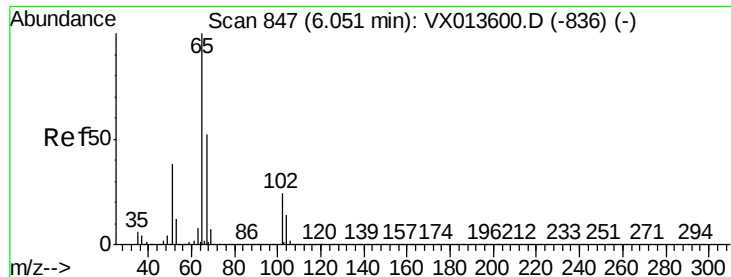
Tot Ion:	84	Resp:	3891
Ion	Ratio	Lower	Upper
84	100		
49	92.5	99.7	149.5#
51	40.9	29.9	44.9
86	82.1	52.2	78.4#



#29
Tetrahydrofuran
Concen: 0.305 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013813.D
Acq: 06 Dec 2019 21:18

Tgt Ion:	42	Resp:	1054
Ion	Ratio	Lower	Upper
42	100		
72	19.3	36.3	54.5#
71	41.3	33.2	49.8

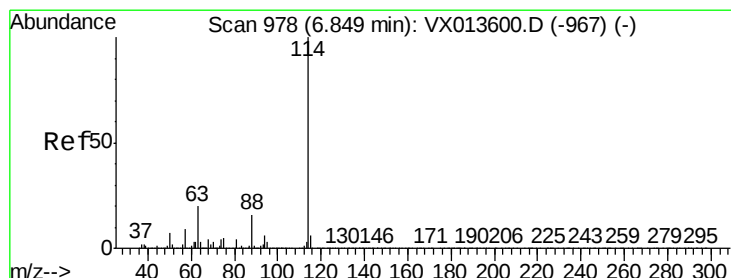
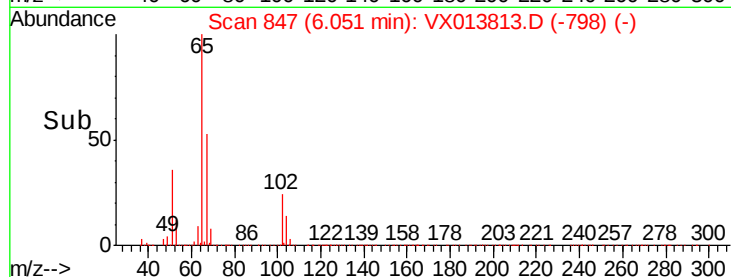
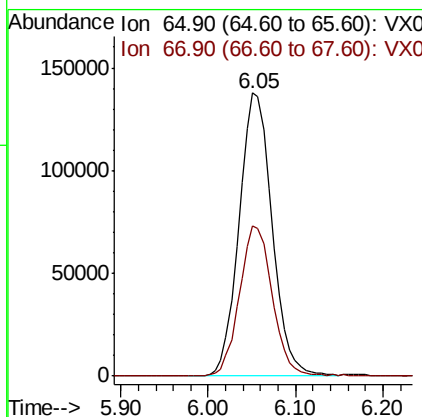
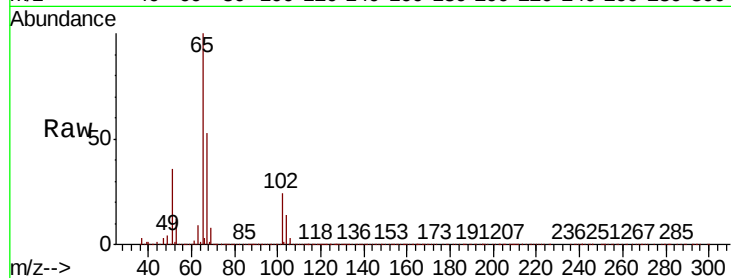




#33
 1,2-Dichloroethane-d4
 Concen: 47.345 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013813.D
 Acq: 06 Dec 2019 21:18

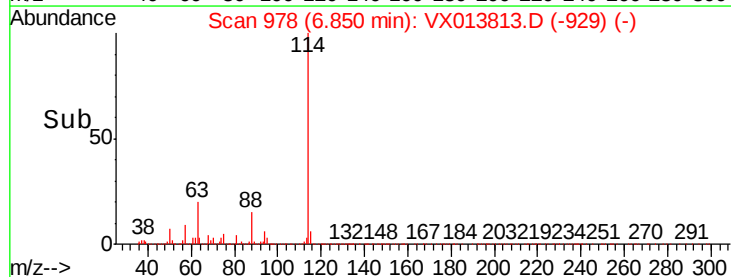
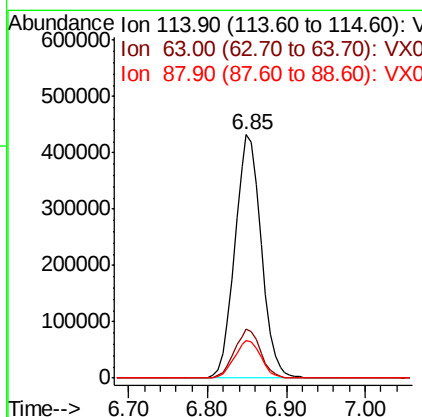
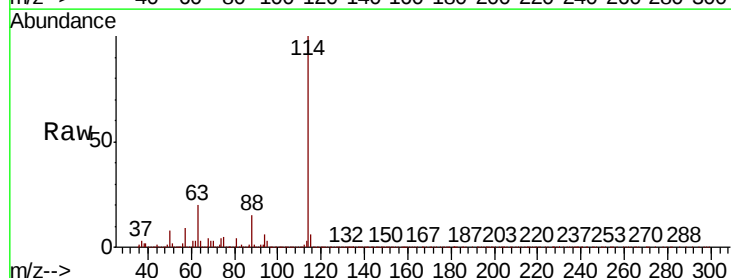
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBL02

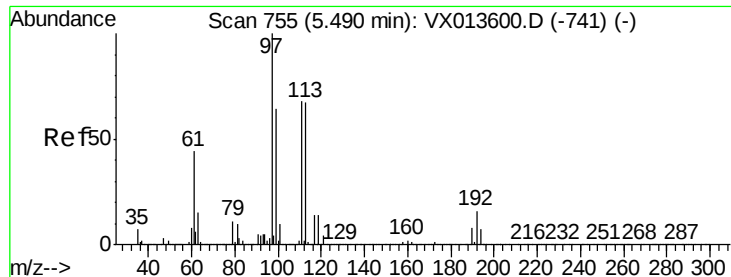
Tot Ion: 65 Resp: 362224
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013813.D
 Acq: 06 Dec 2019 21:18

Tgt Ion: 114 Resp: 1004687
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.205 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013813.D

Acq: 06 Dec 2019 21:18

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL02

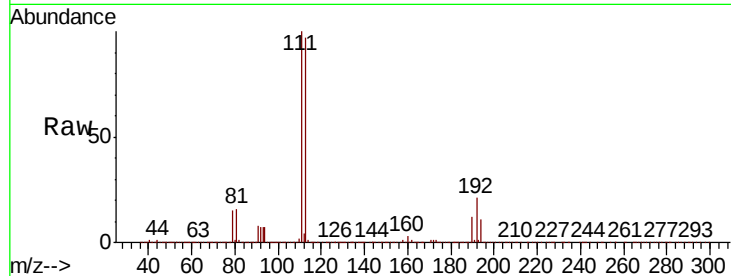
Tot Ion:113 Resp: 299408

Ion Ratio Lower Upper

113 100

111 102.0 83.6 125.4

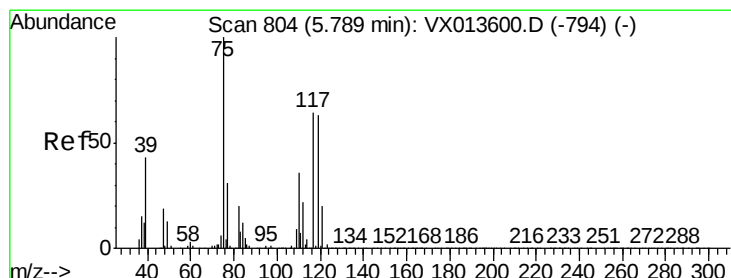
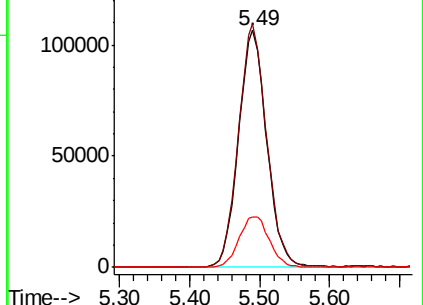
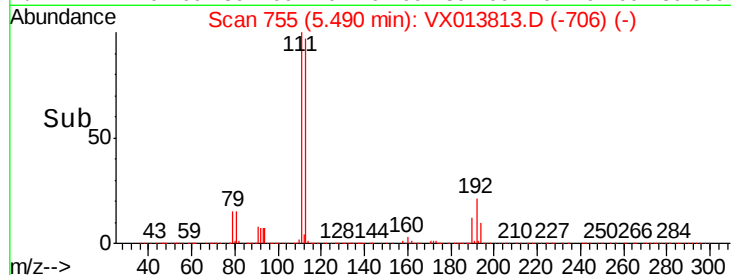
192 22.7 19.2 28.8



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: 4.851 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013813.D

Acq: 06 Dec 2019 21:18

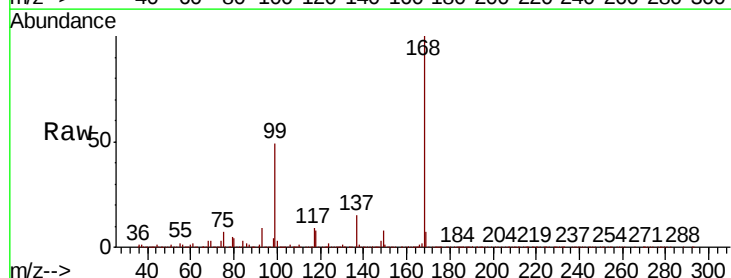
Tgt Ion: 75 Resp: 44243

Ion Ratio Lower Upper

75 100

110 11.6 18.1 54.1#

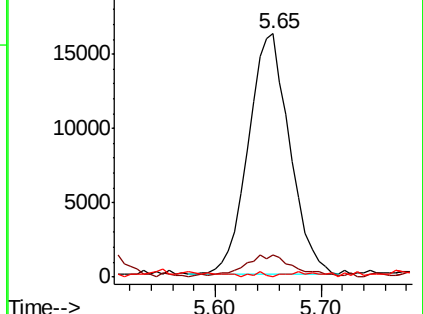
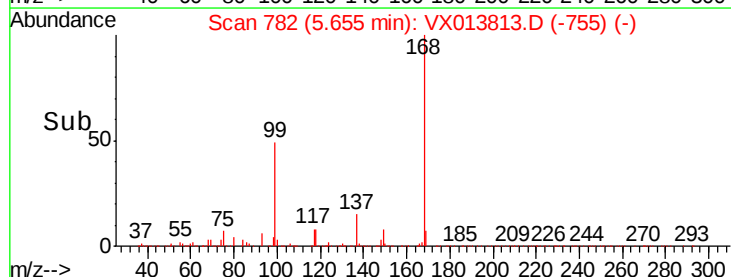
77 0.7 24.5 36.7#

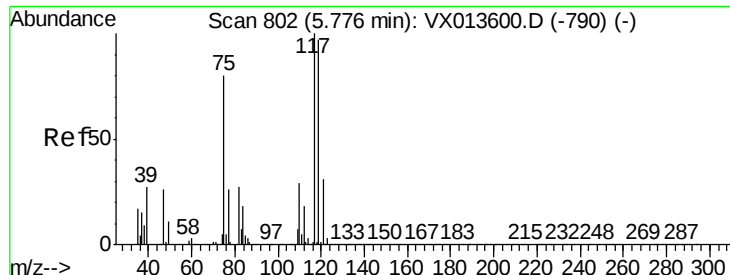


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.756 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013813.D

Acq: 06 Dec 2019 21:18

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL02

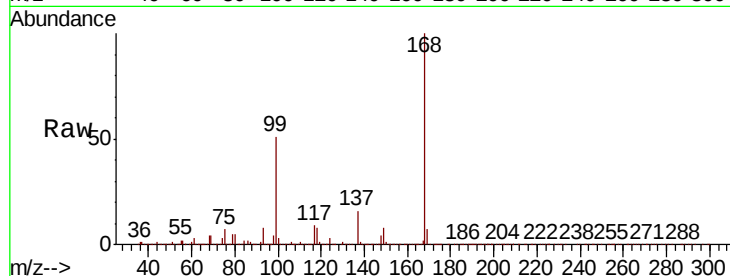
Tot Ion:117 Resp: 56816

Ion Ratio Lower Upper

117 100

119 6.3 77.5 116.3#

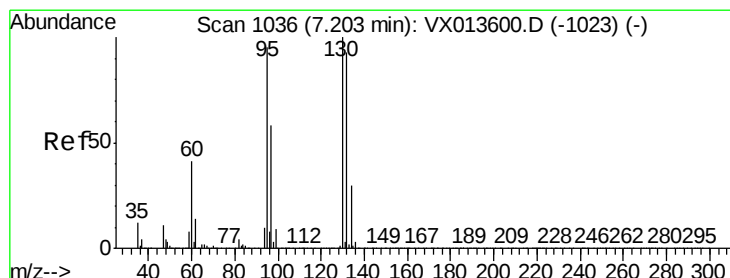
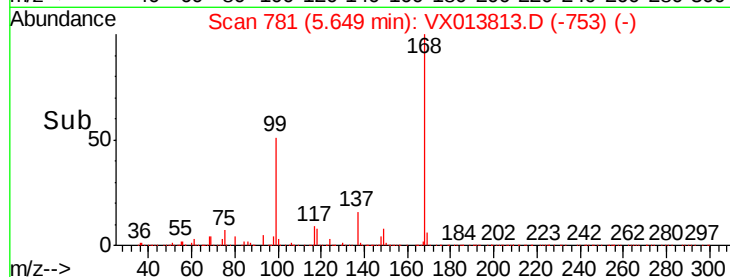
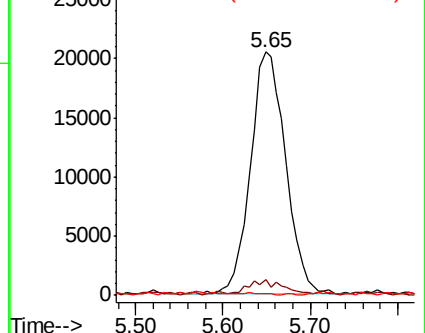
121 0.0 25.0 37.6#



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



#44

Trichloroethene

Concen: 0.207 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013813.D

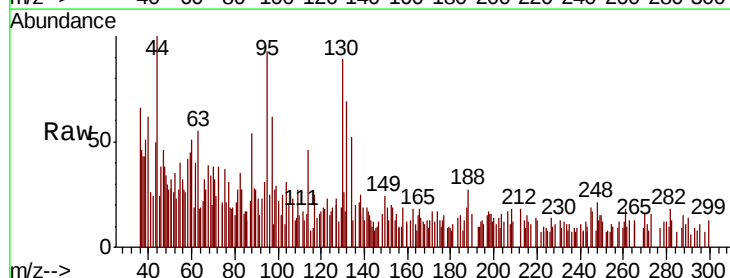
Acq: 06 Dec 2019 21:18

Tgt Ion:130 Resp: 1577

Ion Ratio Lower Upper

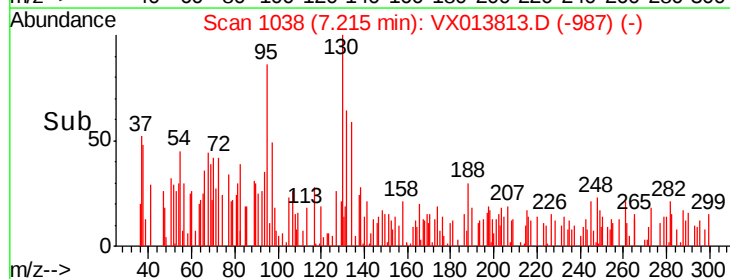
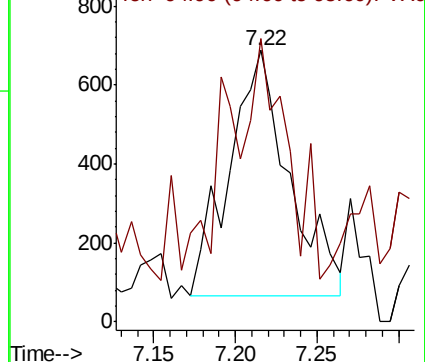
130 100

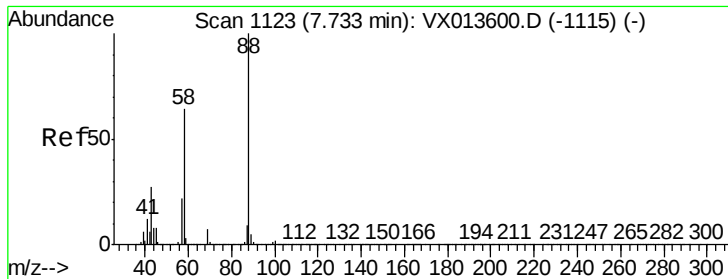
95 83.7 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.567 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013813.D

Acq: 06 Dec 2019 21:18

Instrument :

MSVOA_X

ClientSampled :

VX1206WBL02

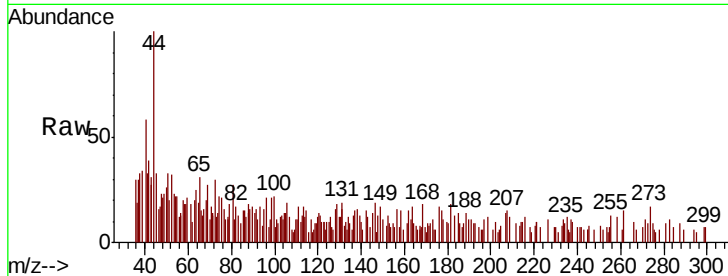
Tot Ion: 88 Resp: 287

Ion Ratio Lower Upper

88 100

43 260.3 25.8 38.6#

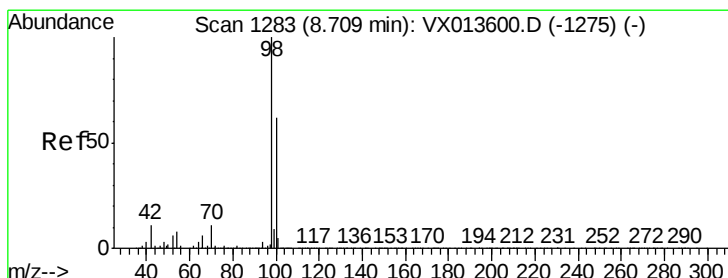
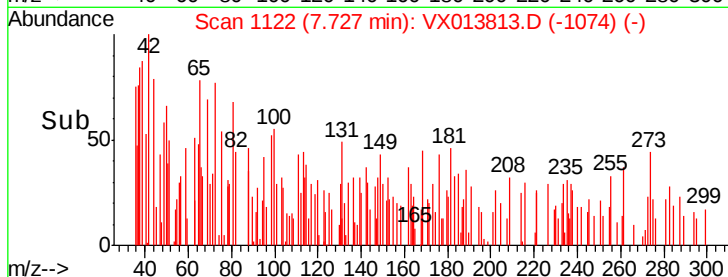
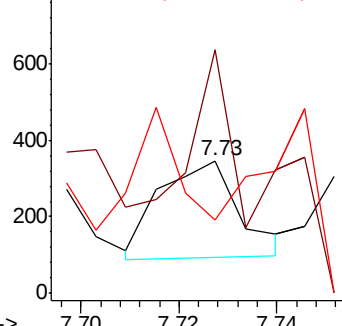
58 69.0 54.6 82.0



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: 48.893 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013813.D

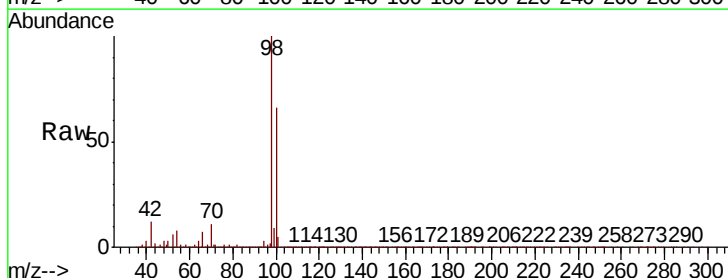
Acq: 06 Dec 2019 21:18

Tgt Ion: 98 Resp: 1183163

Ion Ratio Lower Upper

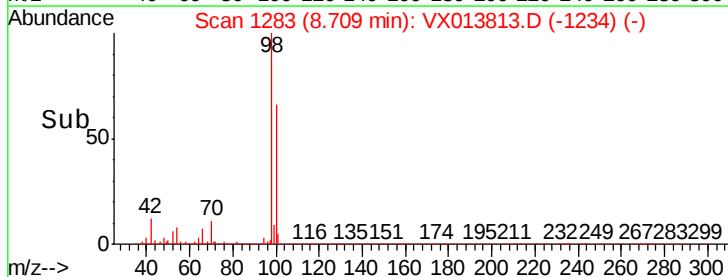
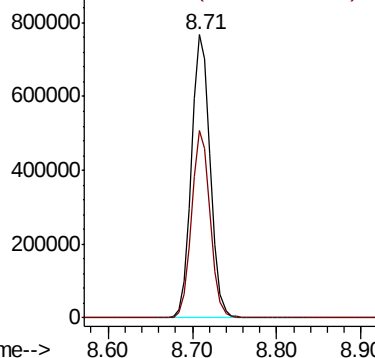
98 100

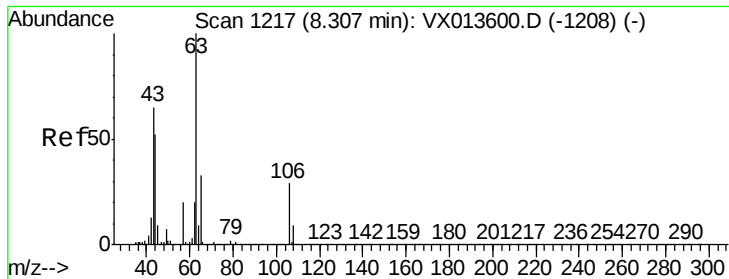
100 65.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

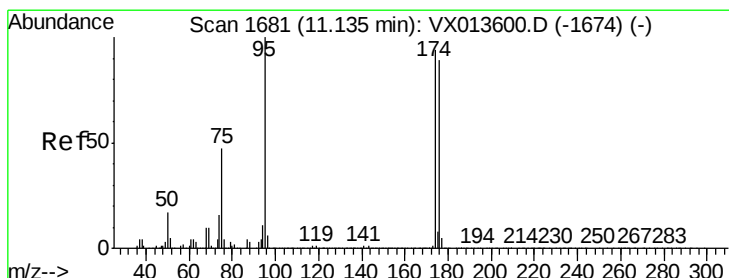
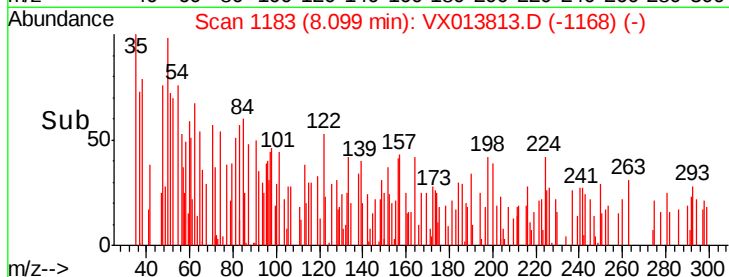
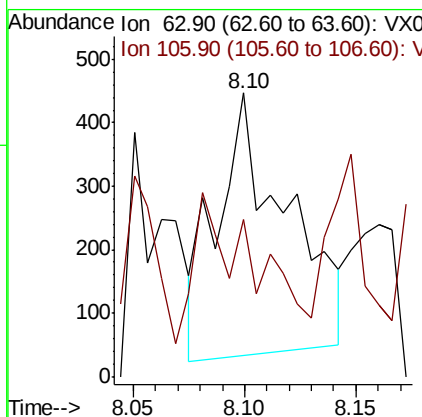
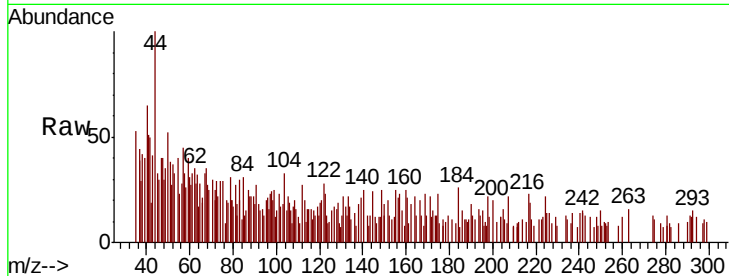




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.206 ug/l
 RT: 8.10 min Scan# 1183
 Delta R.T. -0.21 min
 Lab File: VX013813.D
 Acq: 06 Dec 2019 21:18

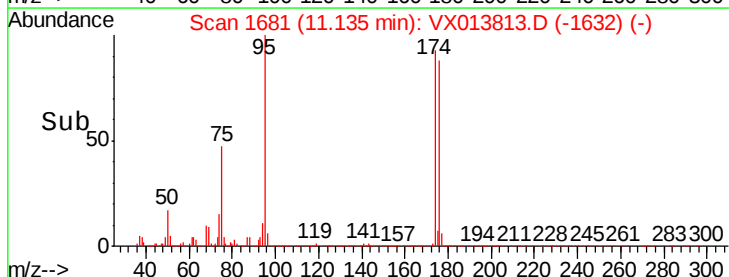
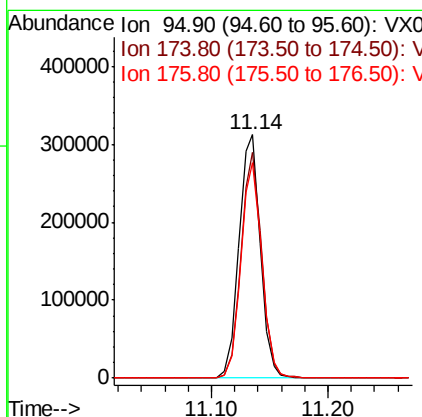
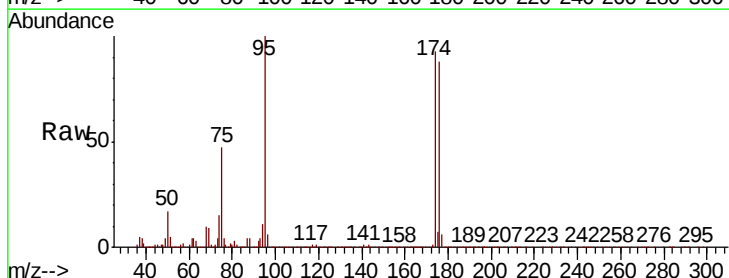
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBL02

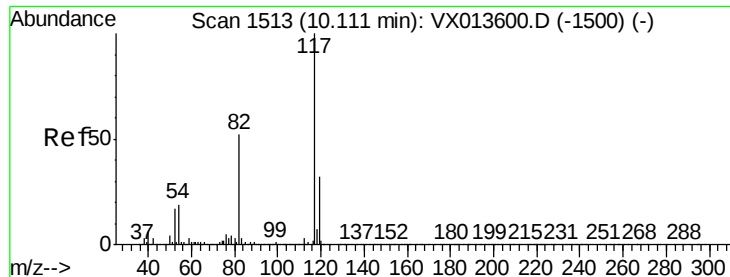
Tot Ion: 63 Resp: 903
 Ion Ratio Lower Upper
 63 100
 106 23.9 23.4 35.0



#62
 4-Bromofluorobenzene
 Concen: 45.771 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX013813.D
 Acq: 06 Dec 2019 21:18

Tgt Ion: 95 Resp: 399415
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 180.0
 176 86.9 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: VX013813.D

Acq: 06 Dec 2019 21:18

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL02

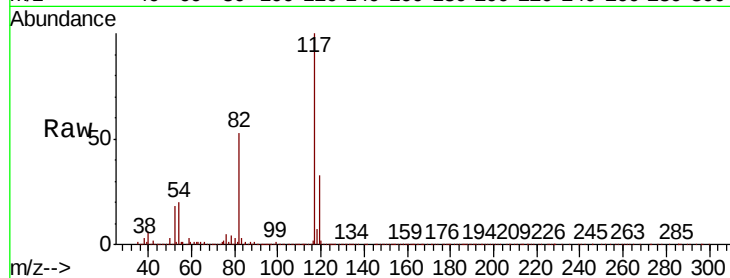
Tot Ion:117 Resp: 890600

Ion Ratio Lower Upper

117 100

82 53.0 41.8 62.8

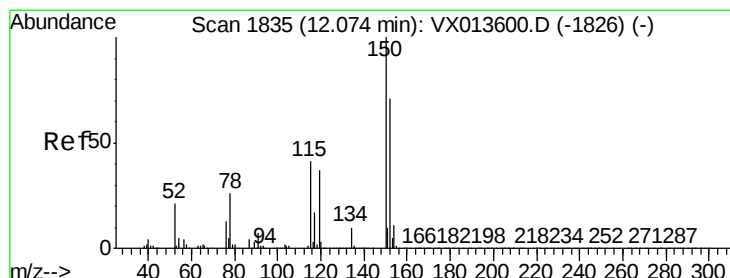
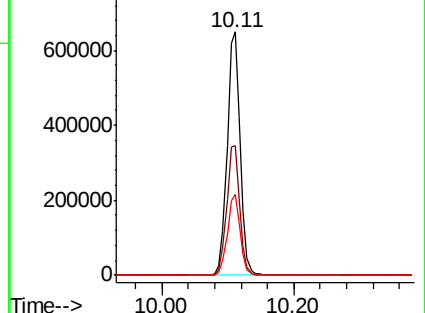
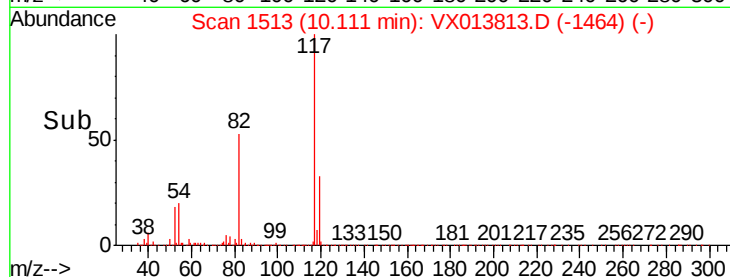
119 33.3 25.8 38.8



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: VX013813.D

Acq: 06 Dec 2019 21:18

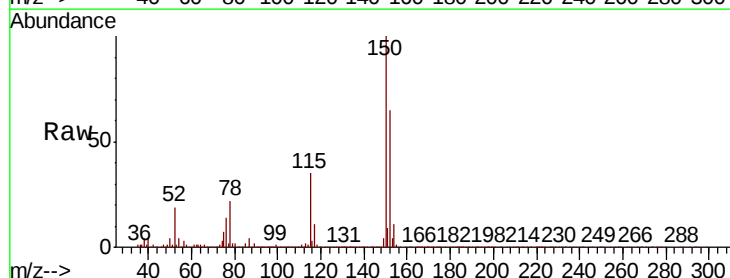
Tgt Ion:152 Resp: 403871

Ion Ratio Lower Upper

152 100

115 54.4 38.4 115.1

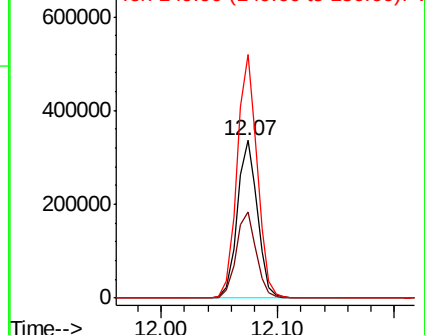
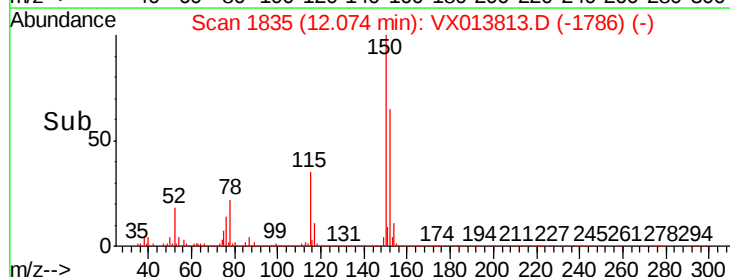
150 154.2 0.0 346.8

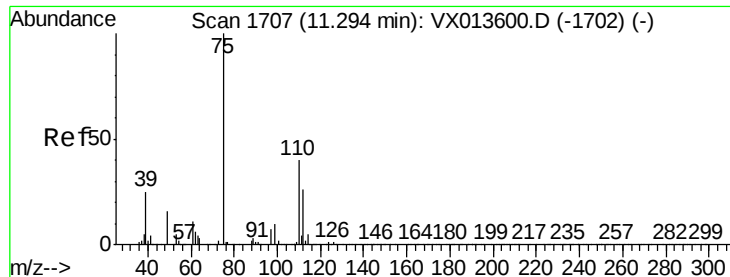


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.641 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013813.D

Acq: 06 Dec 2019 21:18

Instrument :

MSVOA_X

ClientSampleId :

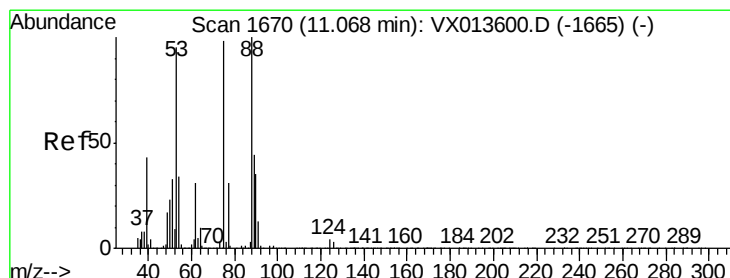
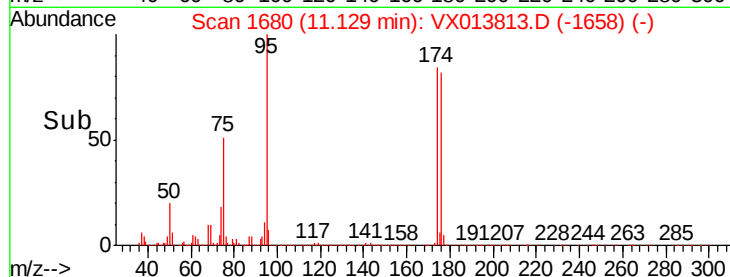
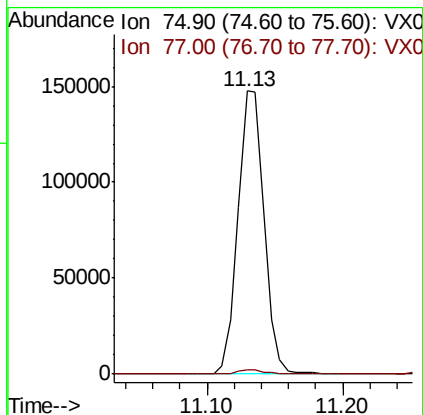
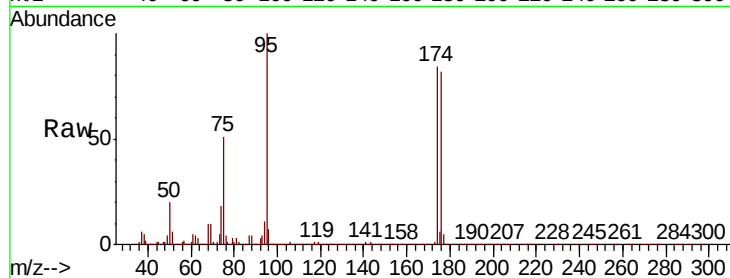
VX1206WBL02

Tot Ion: 75 Resp: 196578

Ion Ratio Lower Upper

75 100

77 1.8 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.205 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013813.D

Acq: 06 Dec 2019 21:18

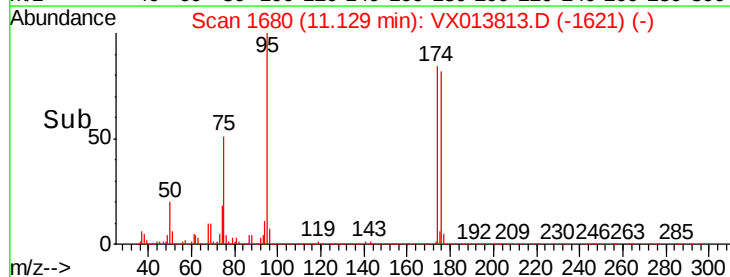
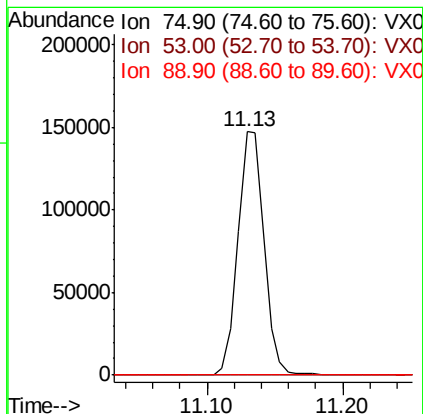
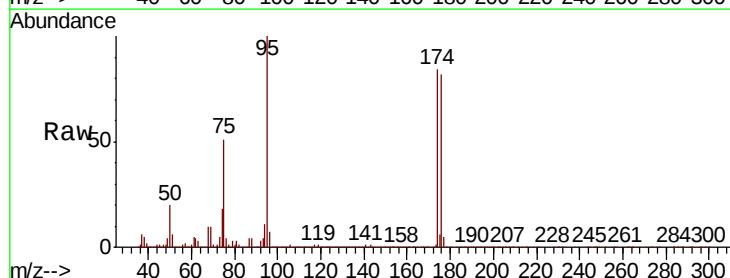
Tgt Ion: 75 Resp: 196578

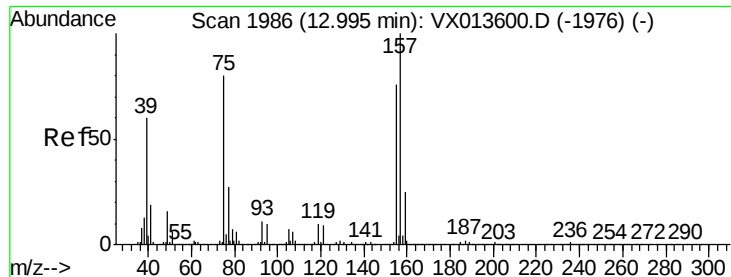
Ion Ratio Lower Upper

75 100

53 0.6 78.2 117.2#

89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.200 ug/l

RT: 12.94 min Scan# 1977

Delta R.T. -0.05 min

Lab File: VX013813.D

Acq: 06 Dec 2019 21:18

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL02

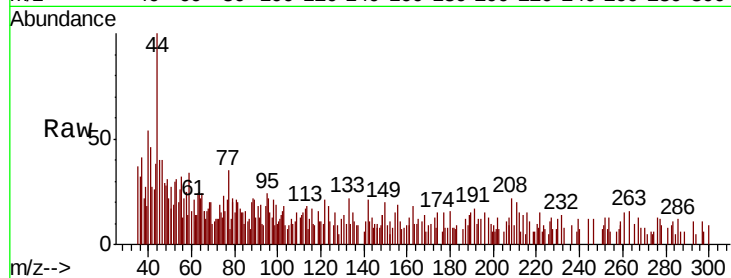
Tot Ion: 75 Resp: 428

Ion Ratio Lower Upper

75 100

155 60.5 47.6 142.8

157 86.4 62.1 186.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time-->

