

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014289.D
 Acq On : 27 Dec 2019 00:06
 Operator : JC/SP
 Sample : VX1226WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBL02

Quant Time: Dec 27 06:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	532860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	815329	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	732581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	323409	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	296867	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.49	113	244314	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	8.71	98	972437	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.14	95	321522	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	

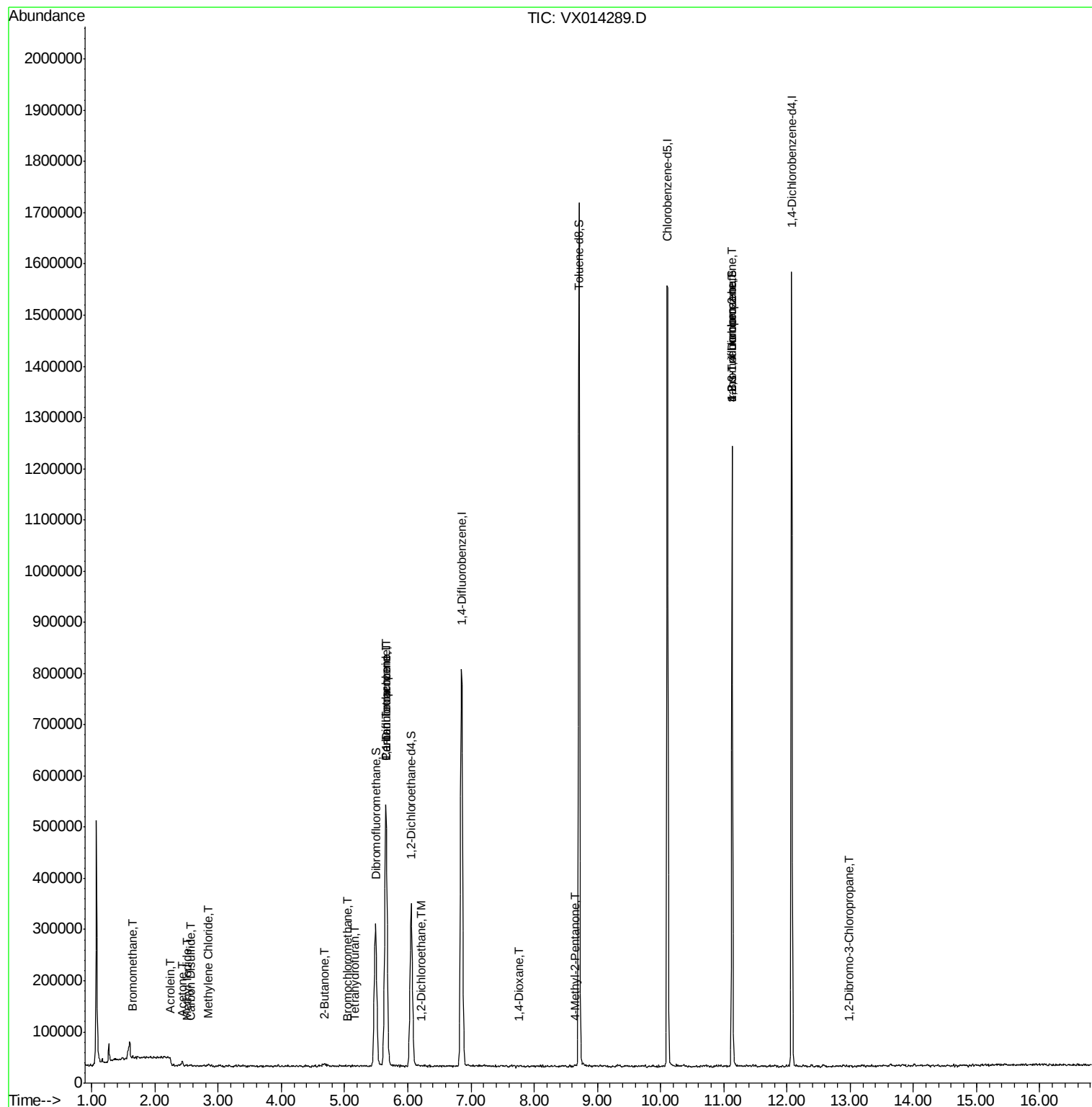
Target Compounds					Qvalue	
5) Bromomethane	1.65	94	1969	0.411	ug/l	97
10) Methyl Iodide	2.51	142	1888	2.890	ug/l #	36
13) Acrolein	2.25	56	332	0.444	ug/l #	70
16) Acetone	2.43	43	11515	2.937	ug/l #	81
17) Carbon Disulfide	2.56	76	3233	0.974	ug/l #	76
20) Methylene Chloride	2.85	84	2966	0.480	ug/l #	84
25) 2-Butanone	4.68	43	3751	0.776	ug/l #	49
28) Bromochloromethane	5.04	49	210	0.507	ug/l #	27
29) Tetrahydrofuran	5.15	42	1449	0.536	ug/l #	67
36) 1,1-Dichloropropene	5.65	75	35048	4.685	ug/l #	51
38) Carbon Tetrachloride	5.65	117	47402	6.955	ug/l #	16
42) 1,2-Dichloroethane	6.21	62	2076	0.266	ug/l	78
49) 1,4-Dioxane	7.75	88	260	1.908	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	2267	0.264	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	159718	22.748	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	159718	64.207	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	820	0.469	ug/l #	10

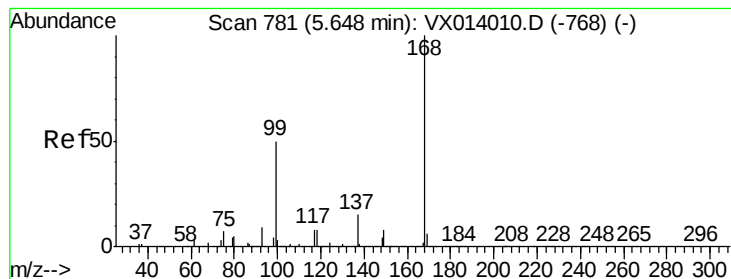
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

Instrument :

MSVOA_X

ClientSampleId :

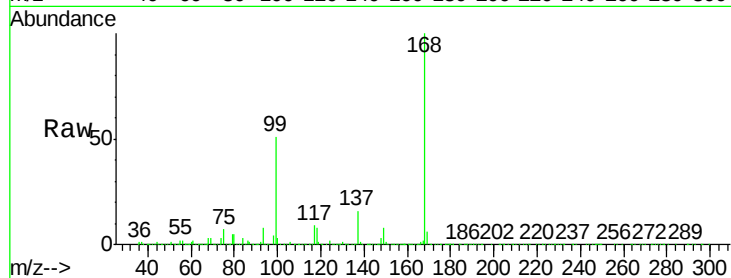
VX1226WBL02

Tgt Ion:168 Resp: 532860

Ion Ratio Lower Upper

168 100

99 50.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

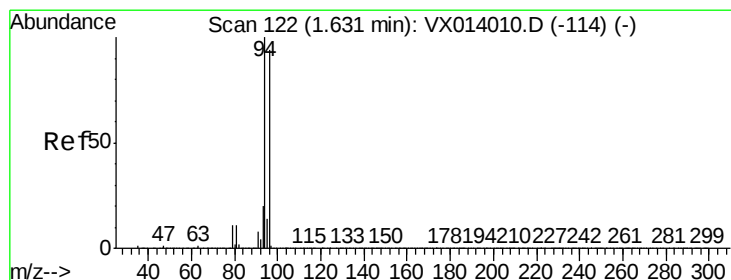
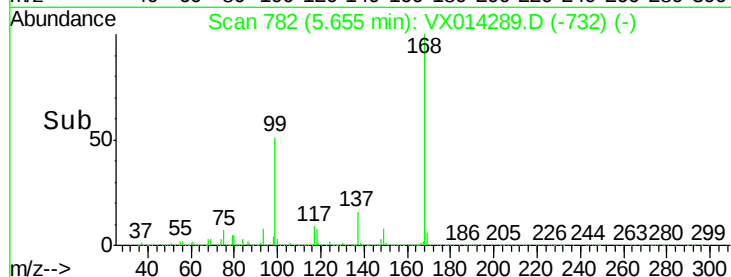
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.411 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014289.D

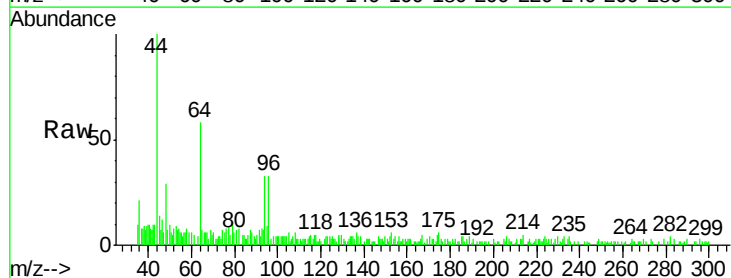
Acq: 27 Dec 2019 00:06

Tgt Ion: 94 Resp: 1969

Ion Ratio Lower Upper

94 100

96 96.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1500

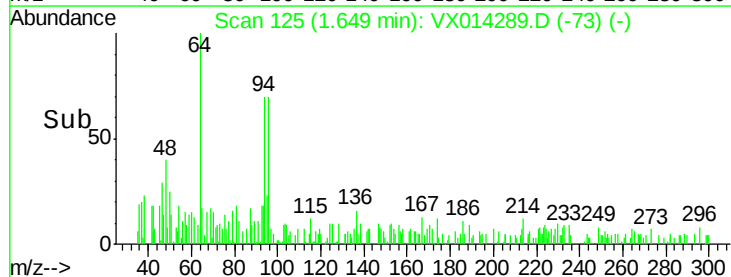
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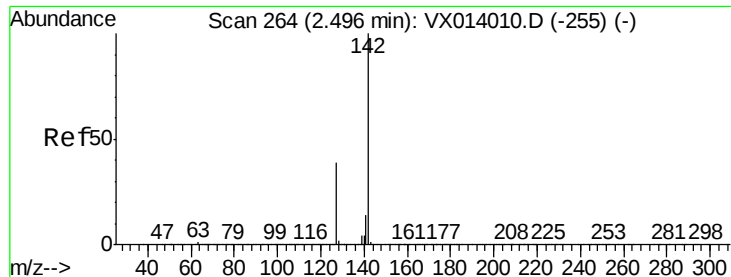
500

0

Time-->

1.60 1.65 1.70

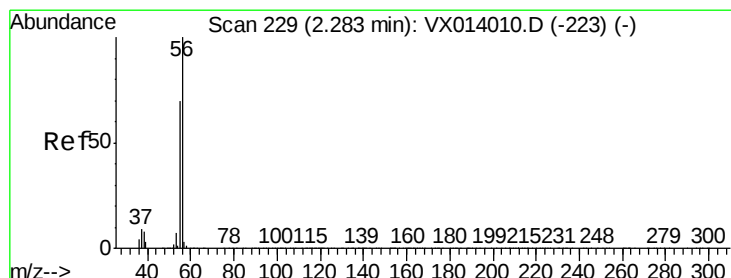
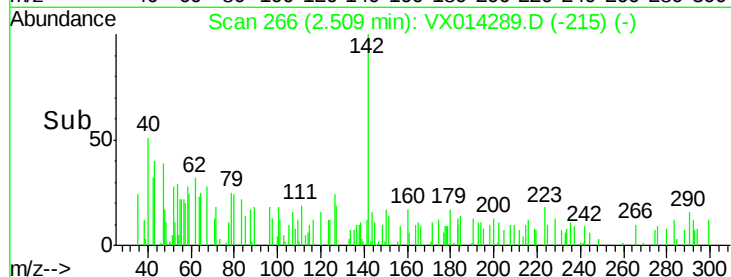
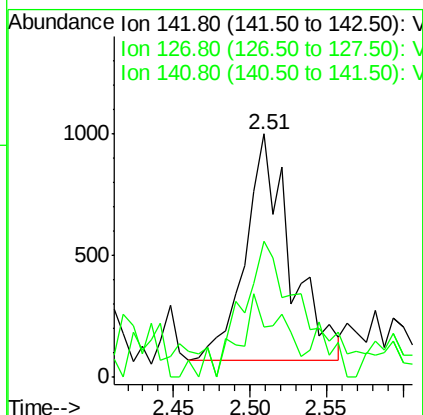
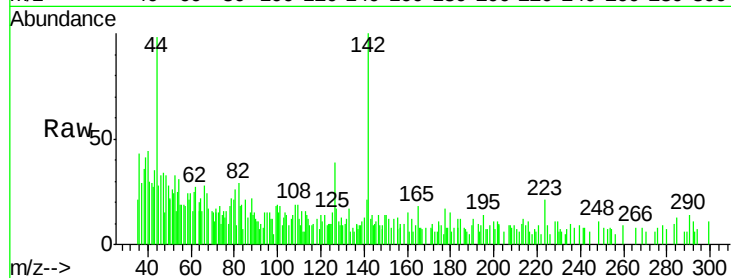




#10
Methyl Iodide
Concen: 2.890 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014289.D
Acq: 27 Dec 2019 00:06

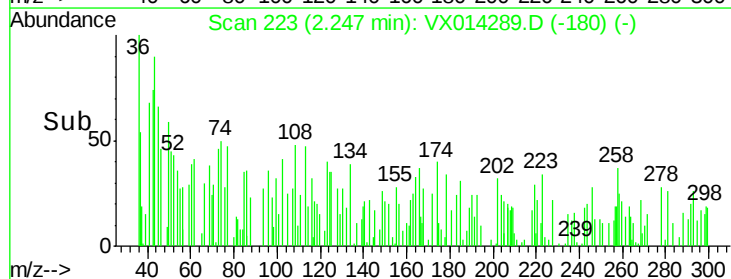
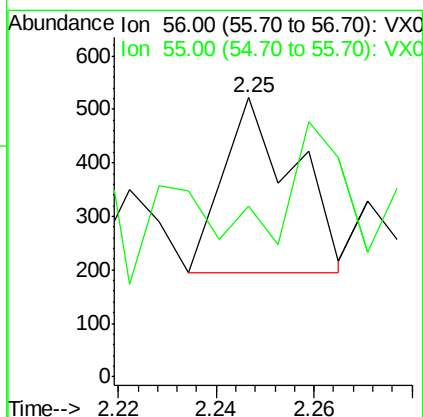
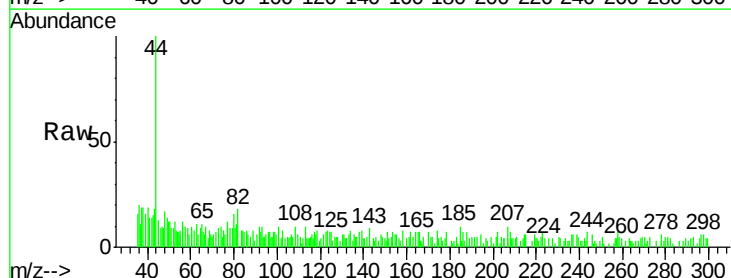
Instrument :
MSVOA_X
ClientSampled :
VX1226WBL02

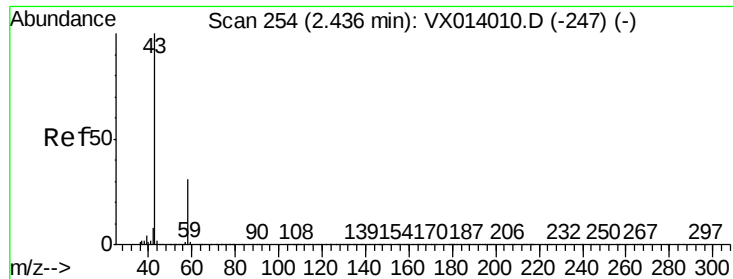
Tgt Ion: 142 Resp: 1888
Ion Ratio Lower Upper
142 100
127 81.4 31.6 47.4#
141 36.8 11.6 17.4#



#13
Acrolein
Concen: 0.444 ug/l
RT: 2.25 min Scan# 223
Delta R.T. -0.04 min
Lab File: VX014289.D
Acq: 27 Dec 2019 00:06

Tgt Ion: 56 Resp: 332
Ion Ratio Lower Upper
56 100
55 46.7 56.9 85.3#

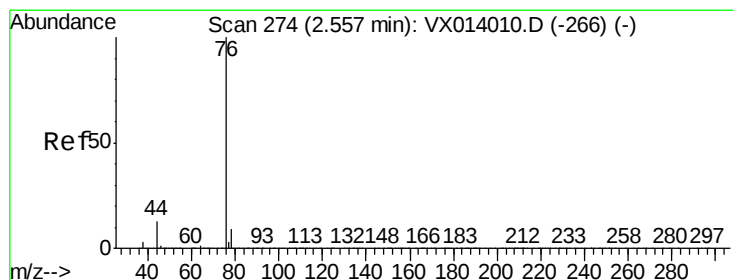
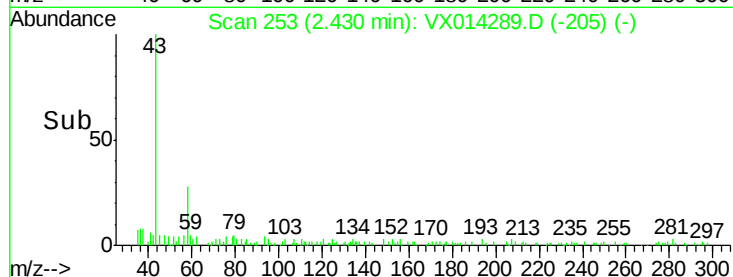
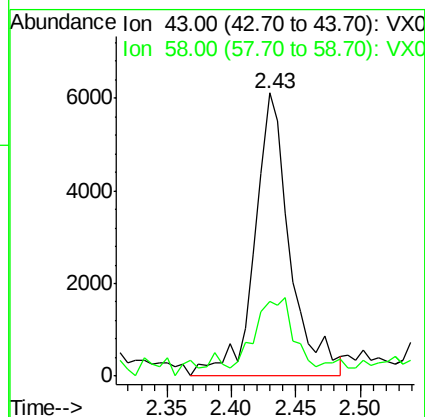
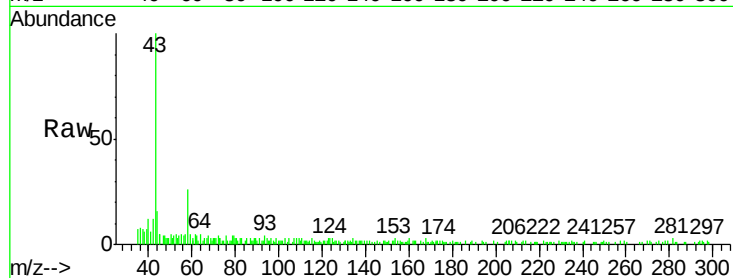




#16
Acetone
Concen: 2.937 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014289.D
Acq: 27 Dec 2019 00:06

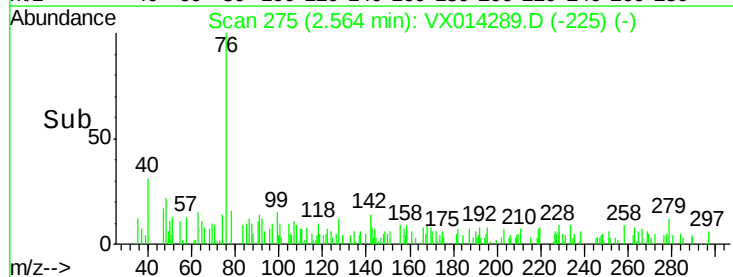
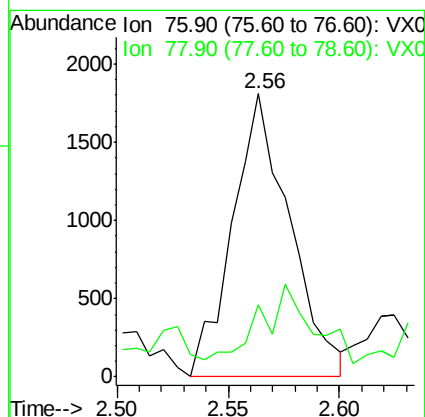
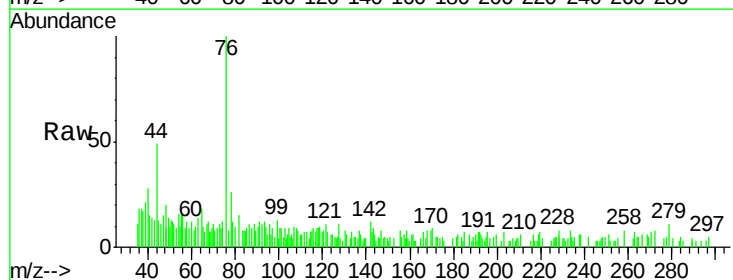
Instrument :
MSVOA_X
ClientSampleId :
VX1226WBL02

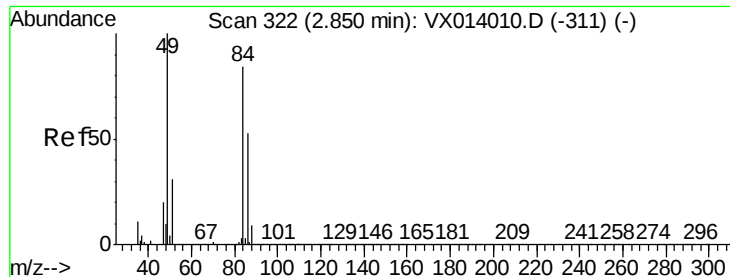
Tgt Ion: 43 Resp: 11515
Ion Ratio Lower Upper
43 100
58 20.9 24.9 37.3#



#17
Carbon Disulfide
Concen: 0.974 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014289.D
Acq: 27 Dec 2019 00:06

Tgt Ion: 76 Resp: 3233
Ion Ratio Lower Upper
76 100
78 17.7 7.2 10.8#

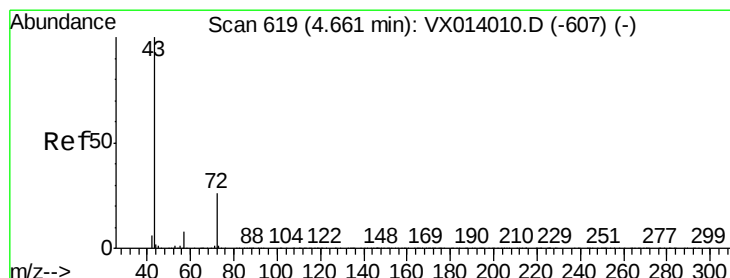
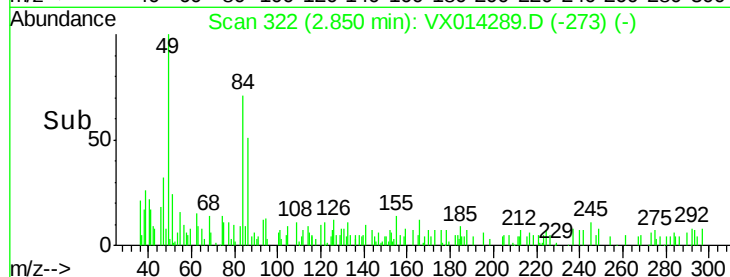
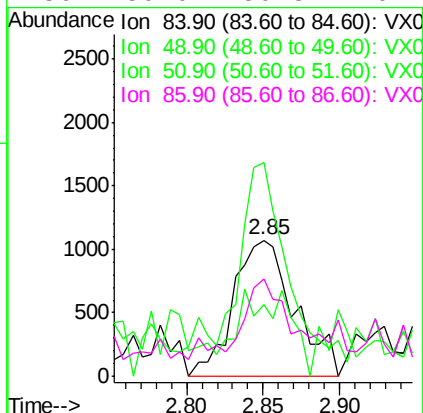
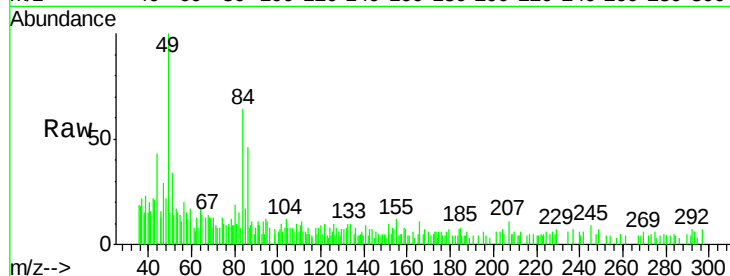




#20
Methylene Chloride
Concen: 0.480 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014289.D
Acq: 27 Dec 2019 00:06

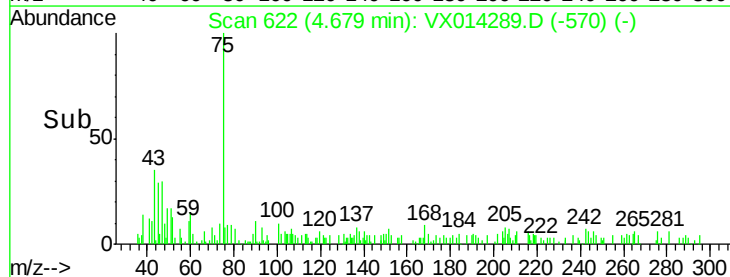
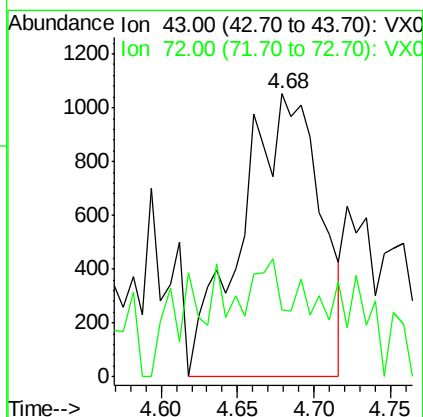
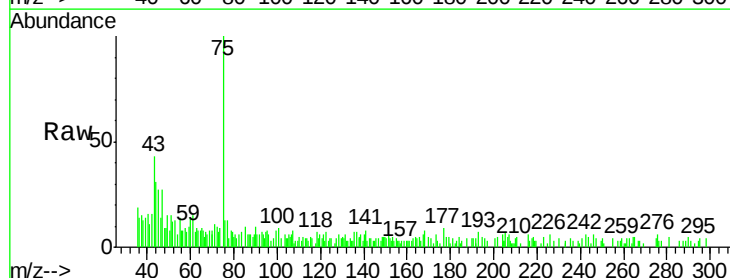
Instrument :
MSVOA_X
ClientSampleId :
VX1226WBL02

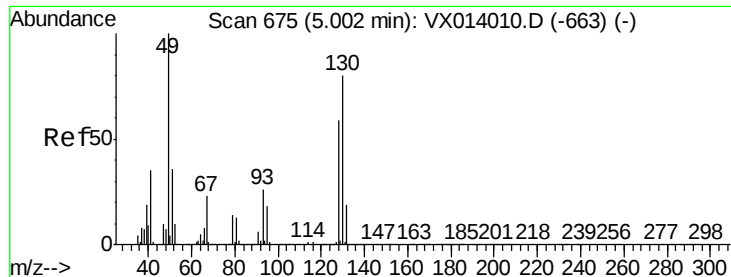
Tgt Ion: 84 Resp: 2966
Ion Ratio Lower Upper
84 100
49 134.9 95.8 143.6
51 11.6 29.8 44.8#
86 59.0 50.8 76.2



#25
2-Butanone
Concen: 0.776 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014289.D
Acq: 27 Dec 2019 00:06

Tgt Ion: 43 Resp: 3751
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#28

Bromochloromethane

Concen: 0.507 ug/l

RT: 5.04 min Scan# 681

Delta R.T. 0.04 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBL02

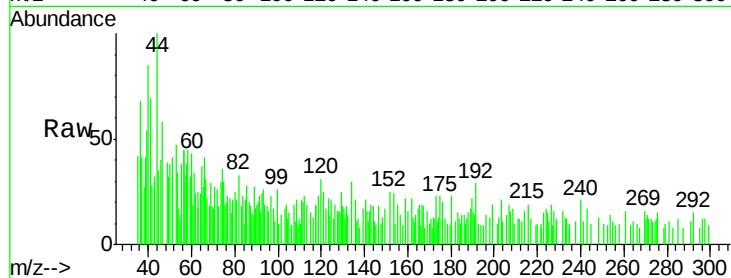
Tgt Ion: 49 Resp: 210

Ion Ratio Lower Upper

49 100

129 71.9 0.0 5.0#

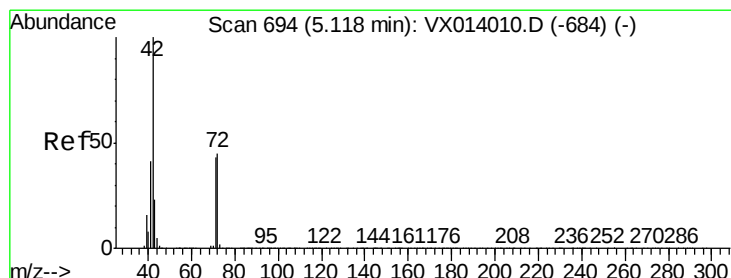
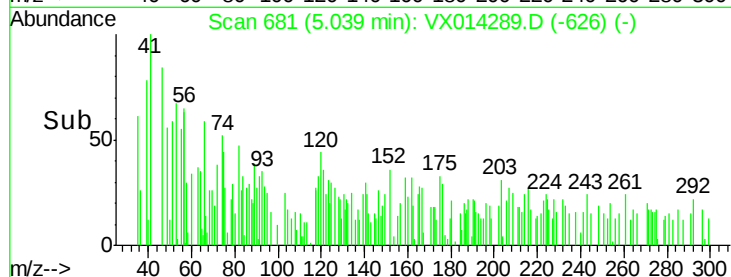
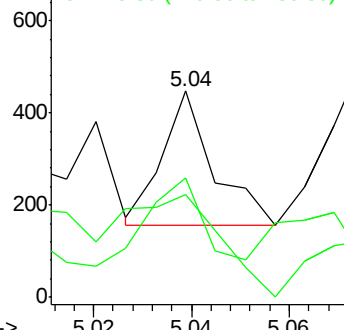
130 142.4 64.6 97.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.536 ug/l

RT: 5.15 min Scan# 700

Delta R.T. 0.04 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

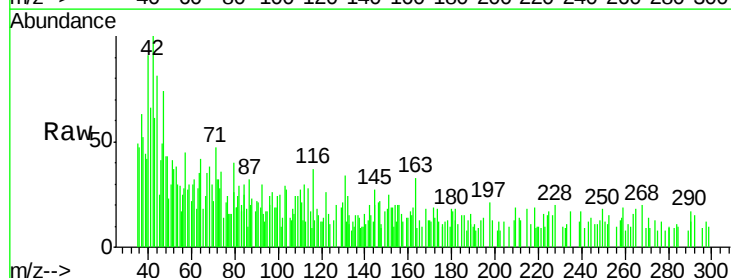
Tgt Ion: 42 Resp: 1449

Ion Ratio Lower Upper

42 100

72 45.9 35.8 53.8

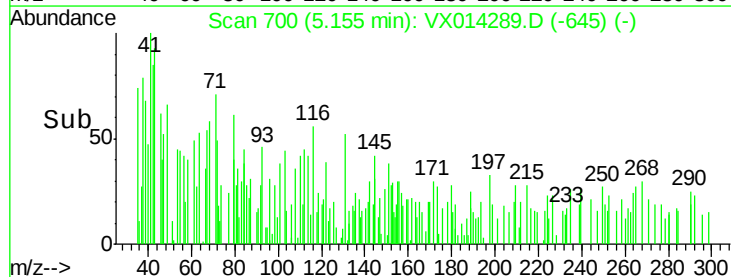
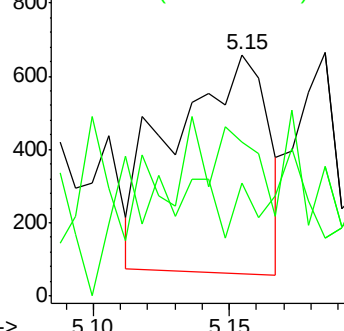
71 0.0 33.6 50.4#

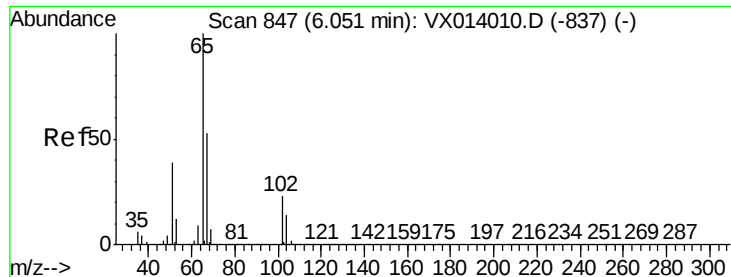


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.156 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

Instrument :

MSVOA_X

ClientSampleId :

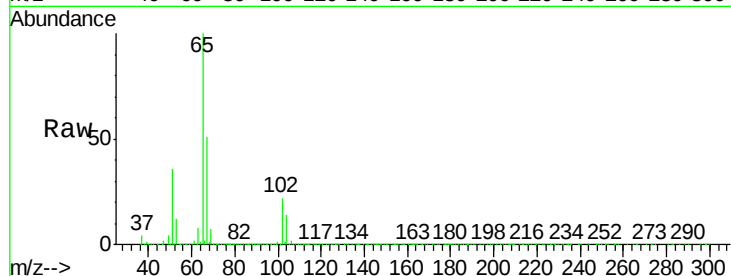
VX1226WBL02

Tgt Ion: 65 Resp: 296867

Ion Ratio Lower Upper

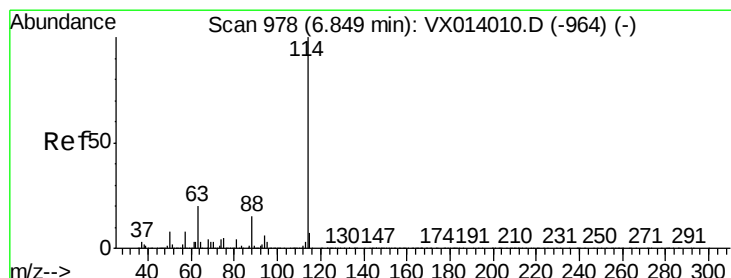
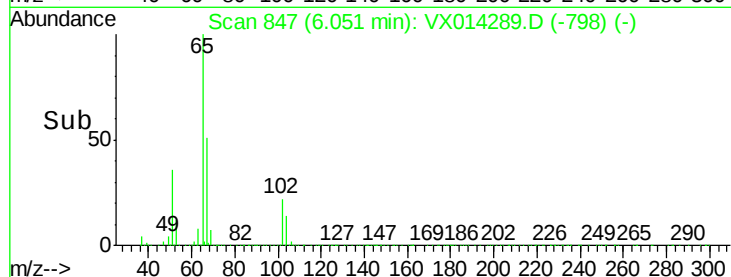
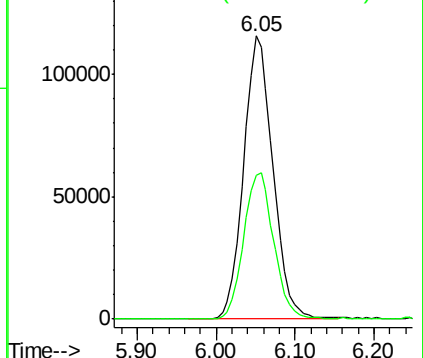
65 100

67 53.0 0.0 106.4



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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

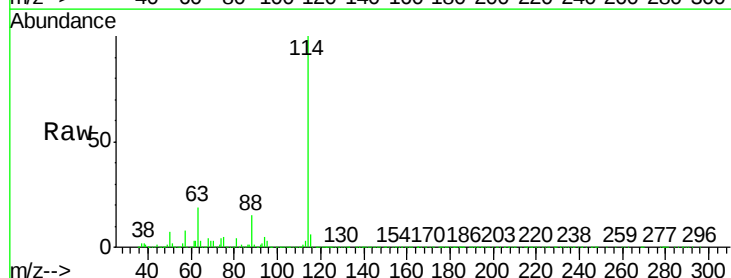
Tgt Ion: 114 Resp: 815329

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

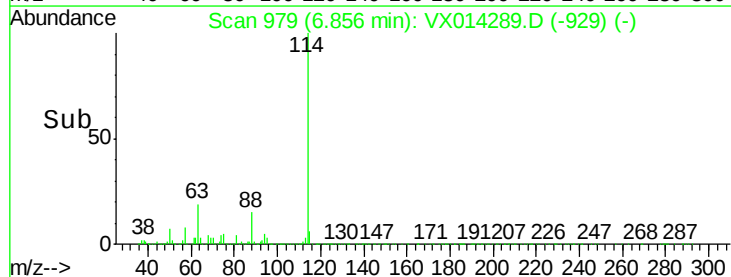
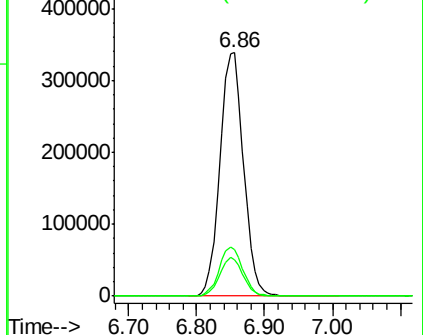
88 14.9 0.0 30.4

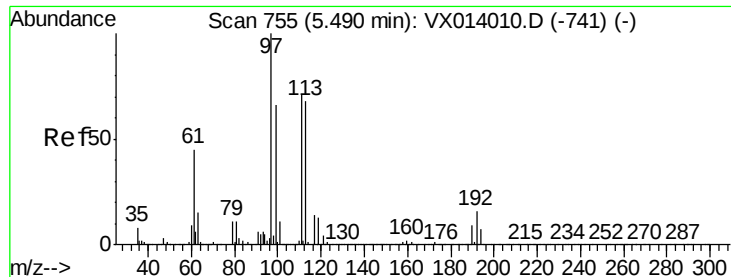


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.294 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBL02

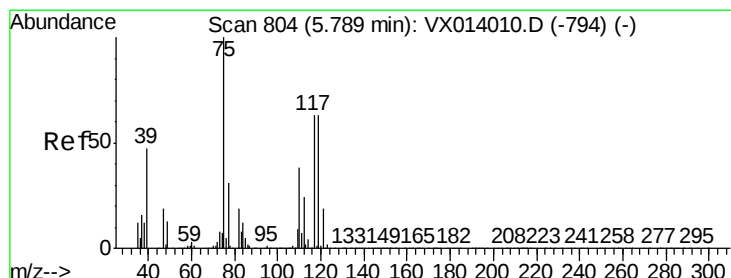
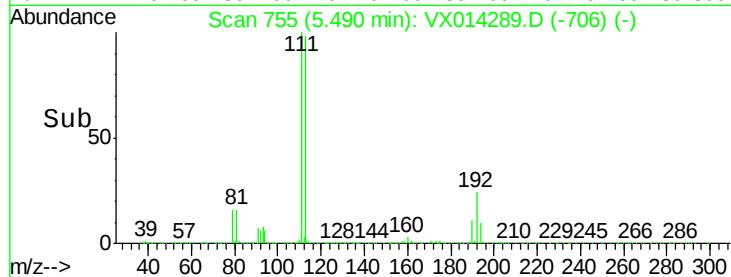
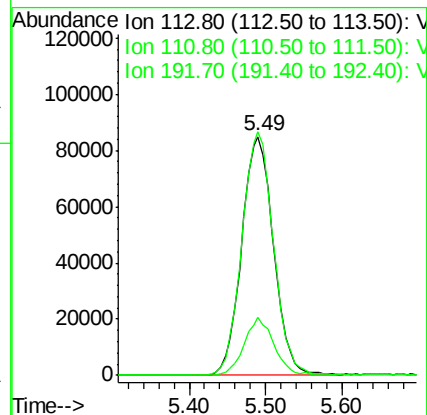
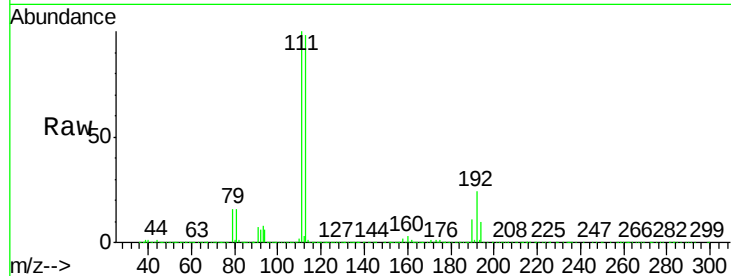
Tgt Ion:113 Resp: 244314

Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

192 22.8 19.3 28.9



#36

1,1-Dichloropropene

Concen: 4.685 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

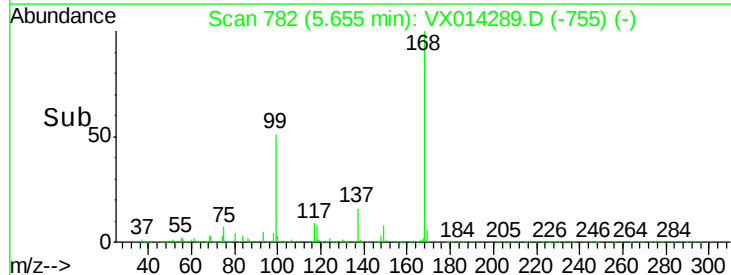
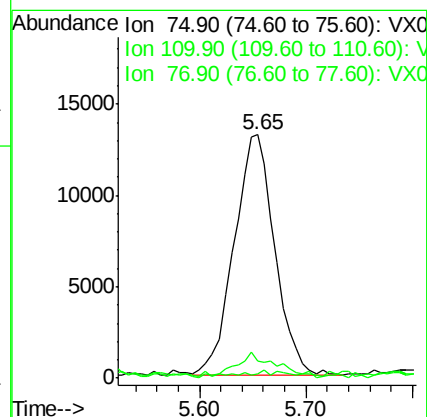
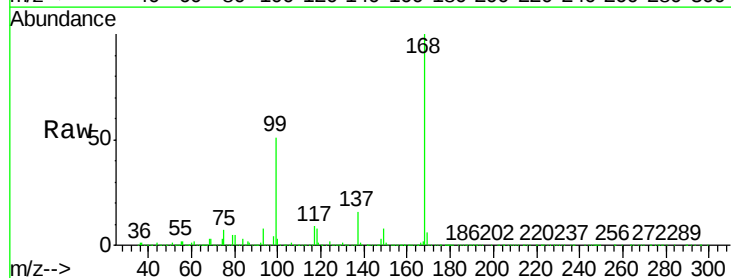
Tgt Ion: 75 Resp: 35048

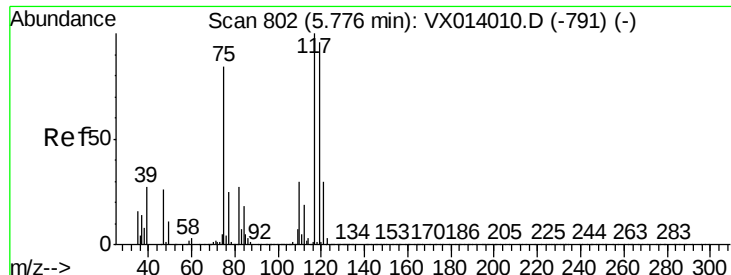
Ion Ratio Lower Upper

75 100

110 11.1 18.3 54.9#

77 0.6 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.955 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

Instrument :

MSVOA_X

ClientSampled :

VX1226WBL02

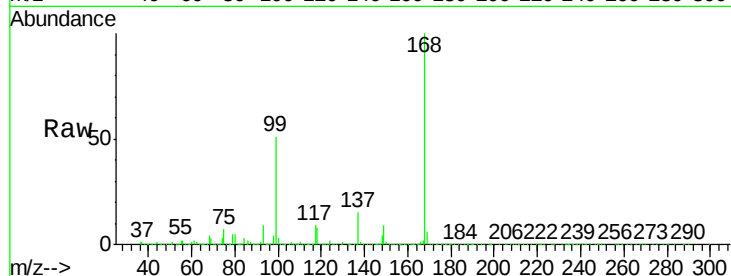
Tgt Ion:117 Resp: 47402

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.4#

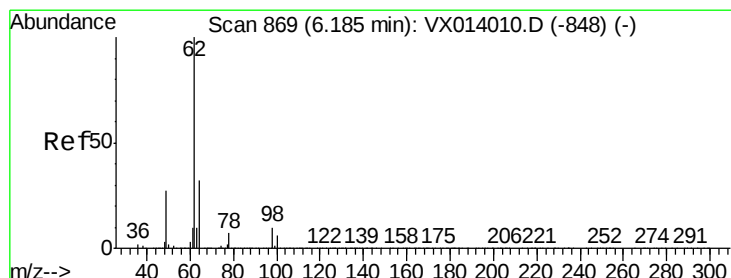
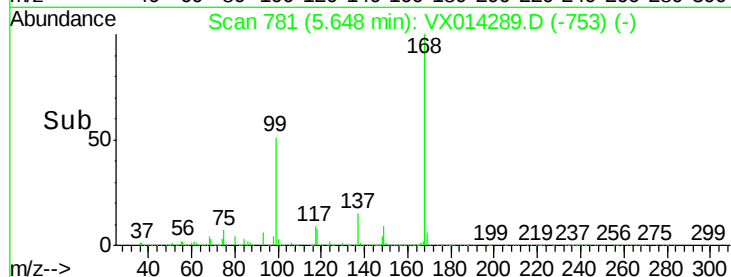
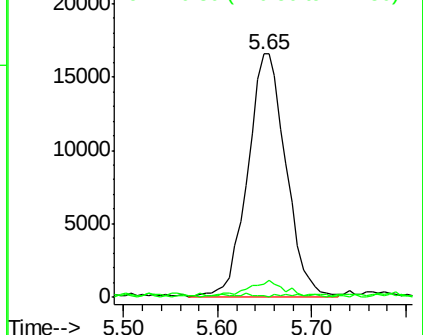
121 0.0 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#42

1,2-Dichloroethane

Concen: 0.266 ug/l

RT: 6.21 min Scan# 873

Delta R.T. 0.02 min

Lab File: VX014289.D

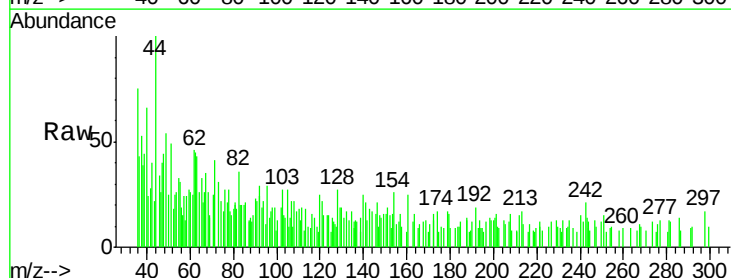
Acq: 27 Dec 2019 00:06

Tgt Ion: 62 Resp: 2076

Ion Ratio Lower Upper

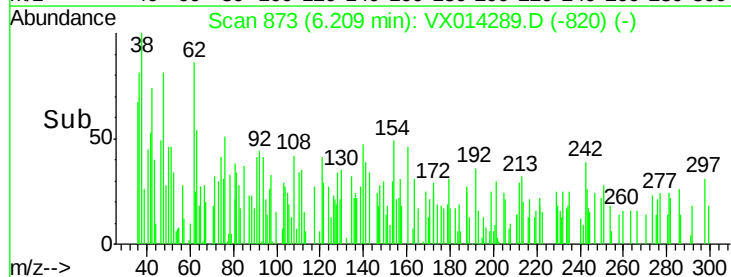
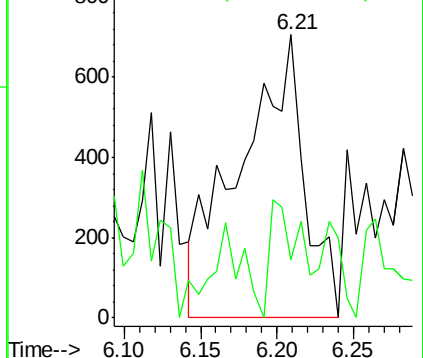
62 100

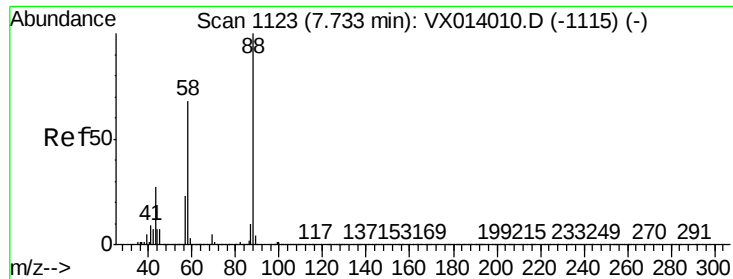
98 18.7 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 1.908 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBL02

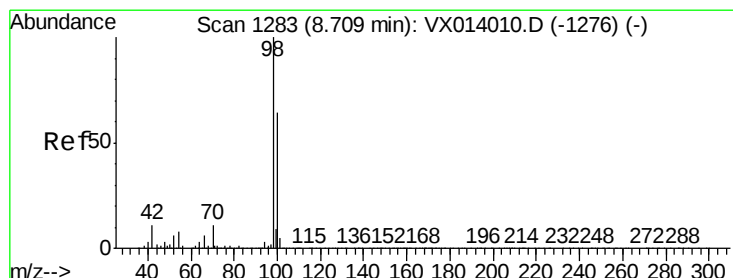
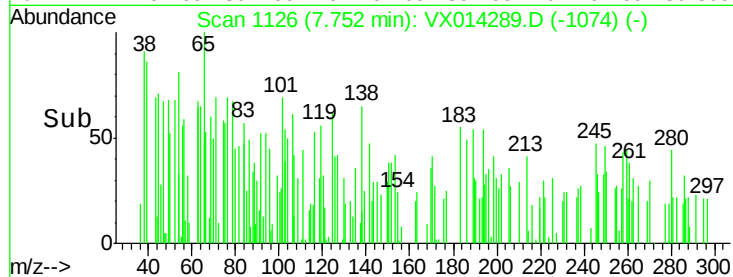
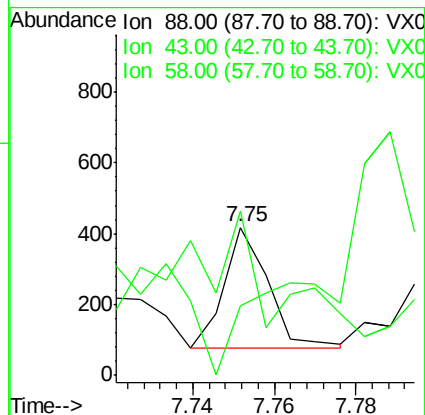
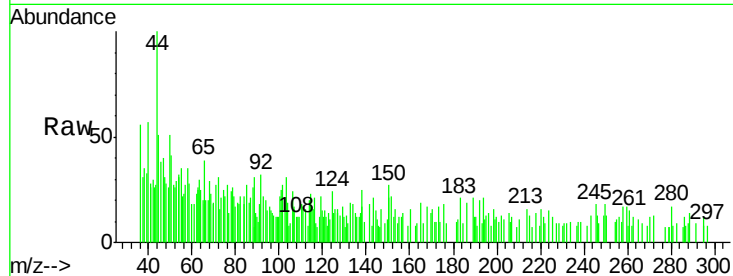
Tgt Ion: 88 Resp: 260

Ion Ratio Lower Upper

88 100

43 149.2 26.5 39.7#

58 154.2 56.8 85.2#



#50

Toluene-d8

Concen: 50.396 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014289.D

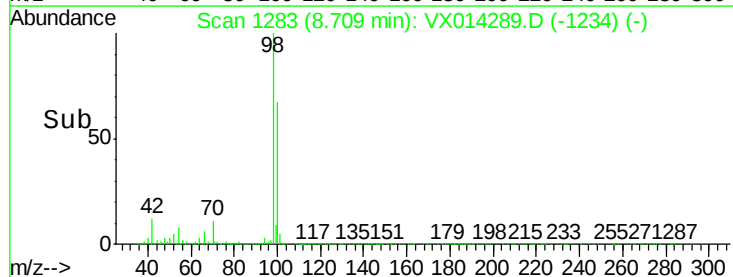
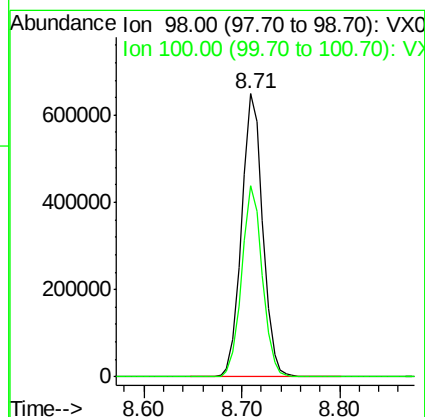
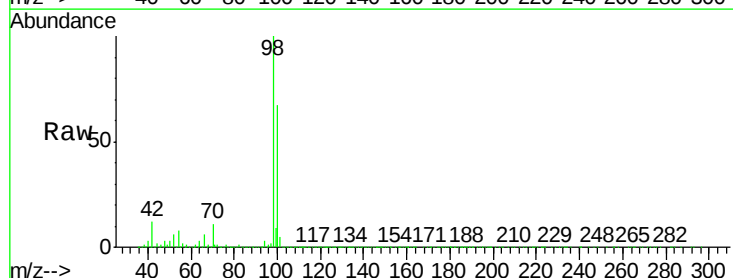
Acq: 27 Dec 2019 00:06

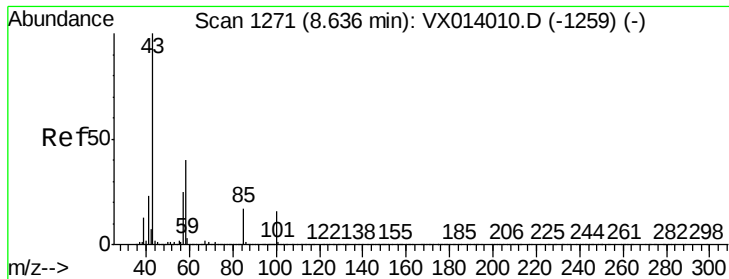
Tgt Ion: 98 Resp: 972437

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3

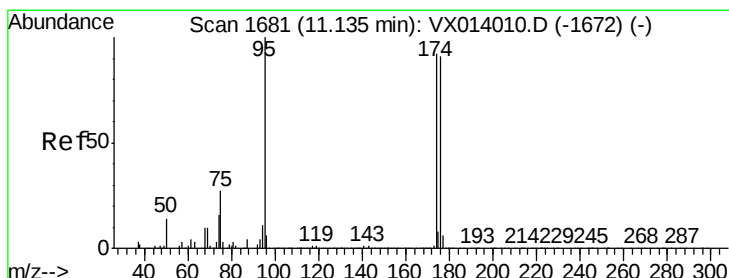
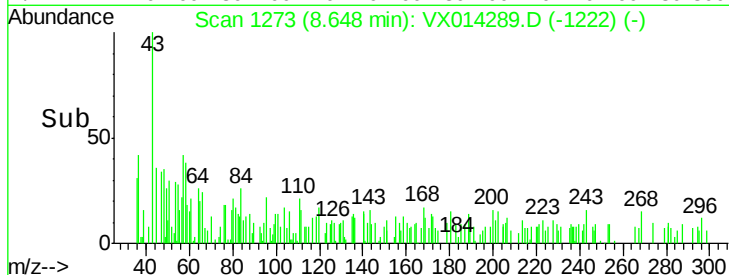
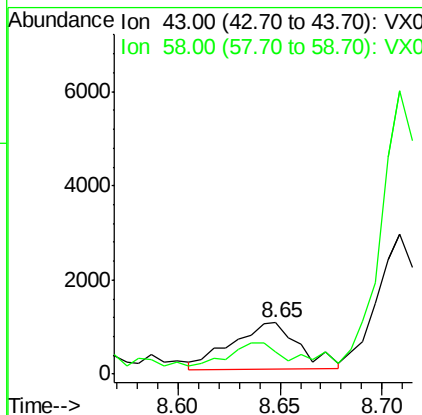
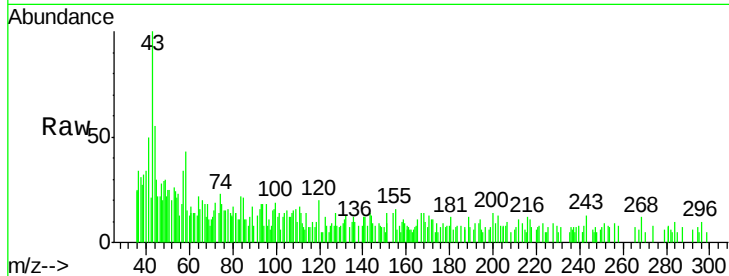




#51
 4-Methyl-2-Pentanone
 Concen: 0.264 ug/l
 RT: 8.65 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VX014289.D
 Acq: 27 Dec 2019 00:06

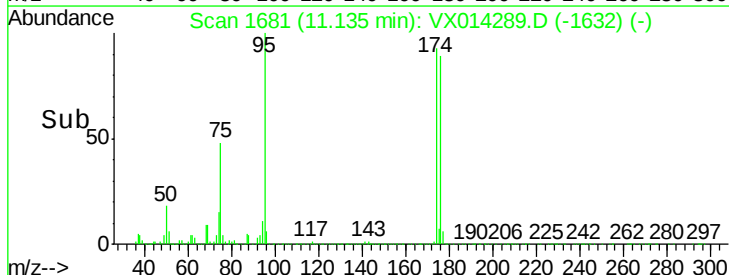
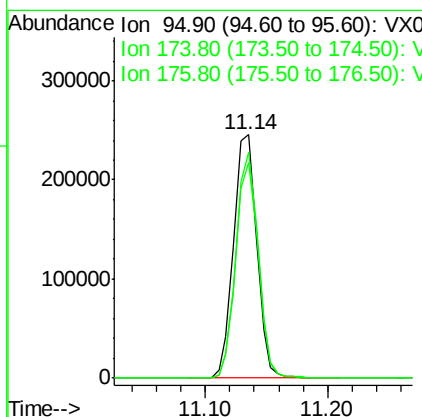
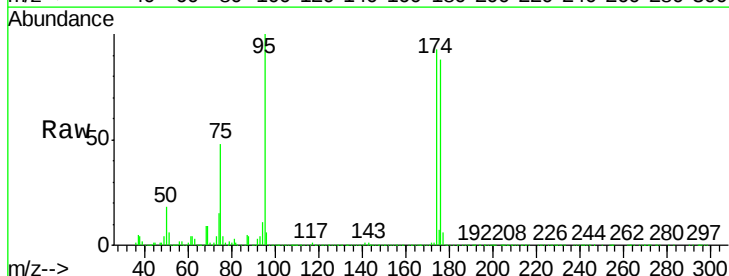
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBL02

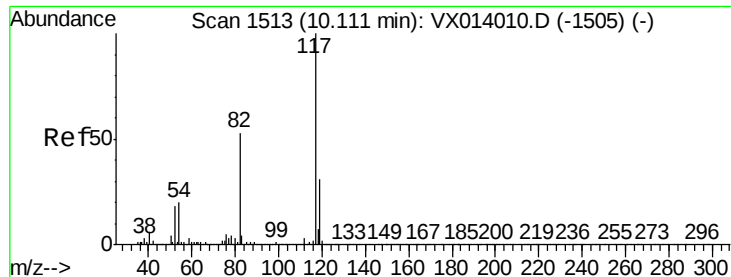
Tgt Ion: 43 Resp: 2267
 Ion Ratio Lower Upper
 43 100
 58 37.8 32.2 48.2



#62
 4-Bromofluorobenzene
 Concen: 45.583 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014289.D
 Acq: 27 Dec 2019 00:06

Tgt Ion: 95 Resp: 321522
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 175.8
 176 85.9 0.0 173.0

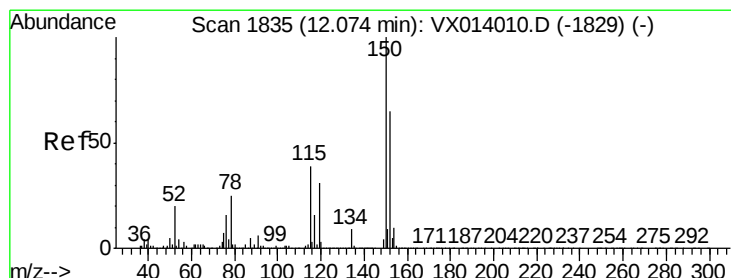
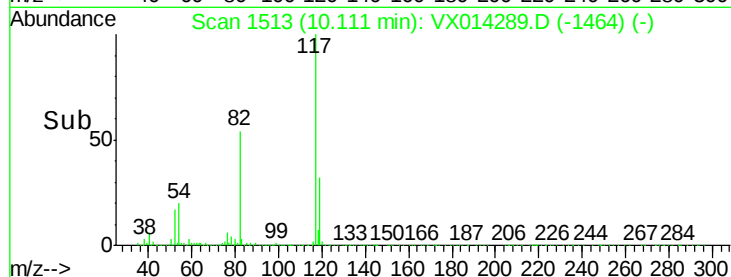
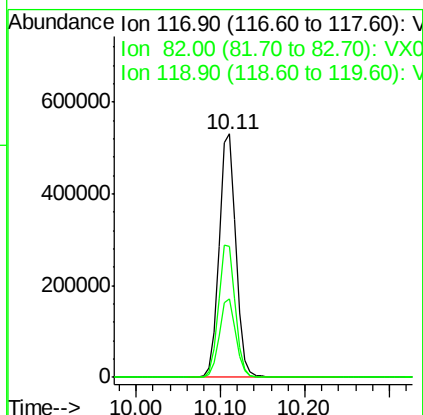
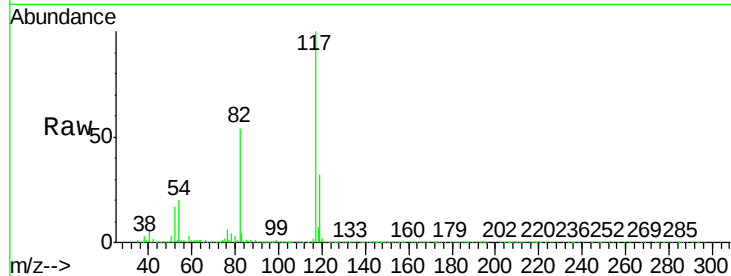




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014289.D
Acq: 27 Dec 2019 00:06

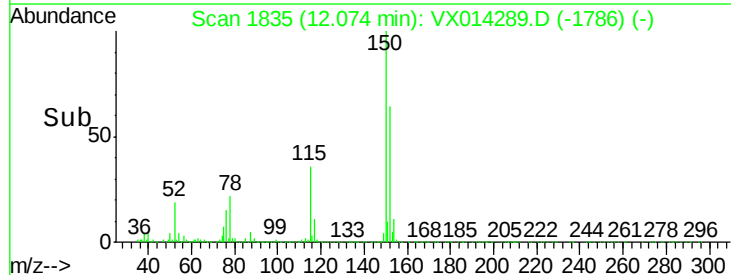
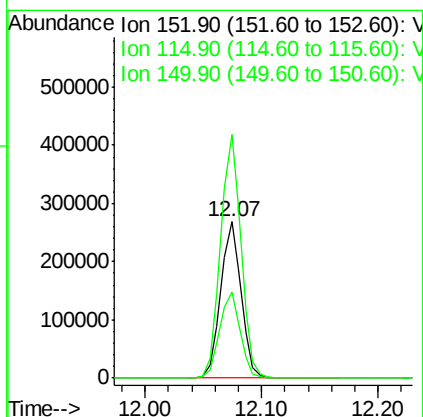
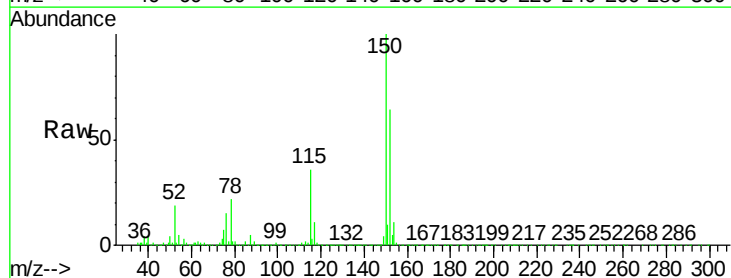
Instrument :
MSVOA_X
ClientSampleId :
VX1226WBL02

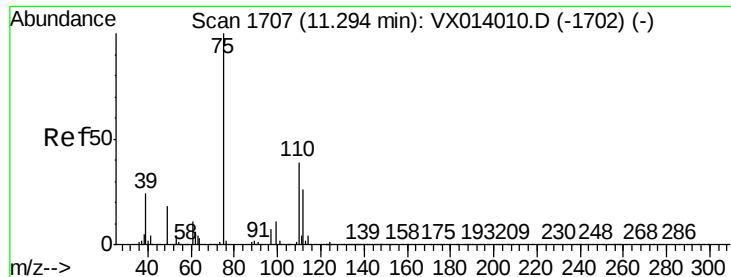
Tgt Ion:117 Resp: 732581
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.4
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014289.D
Acq: 27 Dec 2019 00:06

Tgt Ion:152 Resp: 323409
Ion Ratio Lower Upper
152 100
115 55.4 38.3 114.9
150 155.9 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 22.748 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

Instrument :

MSVOA_X

ClientSampleId :

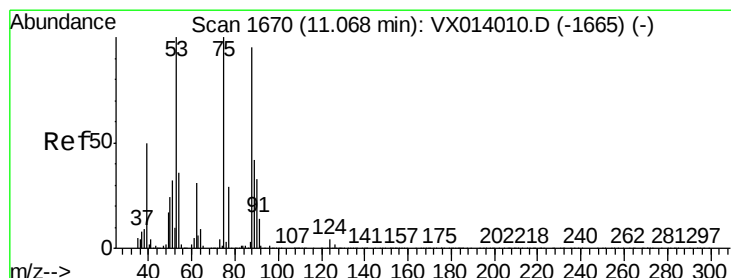
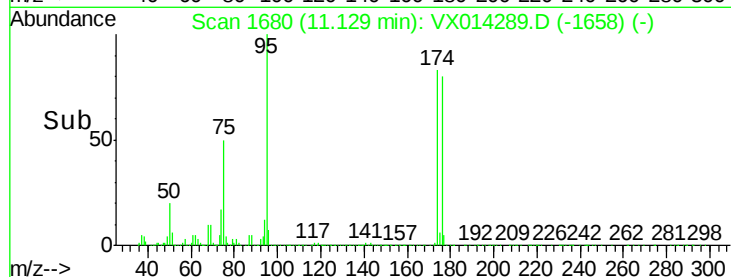
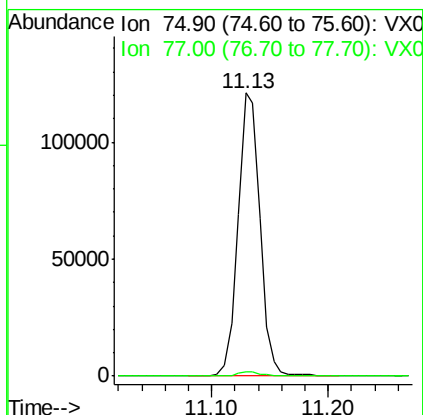
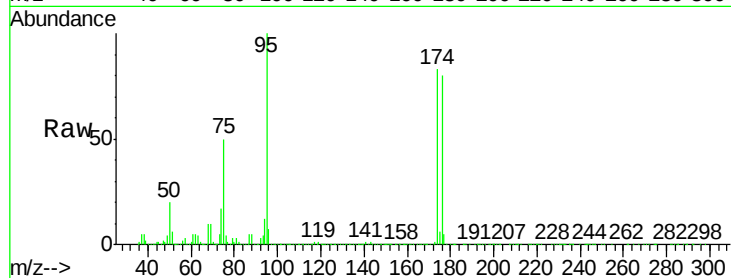
VX1226WBL02

Tgt Ion: 75 Resp: 159718

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.207 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

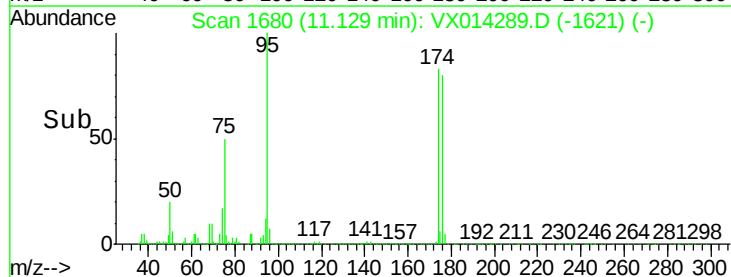
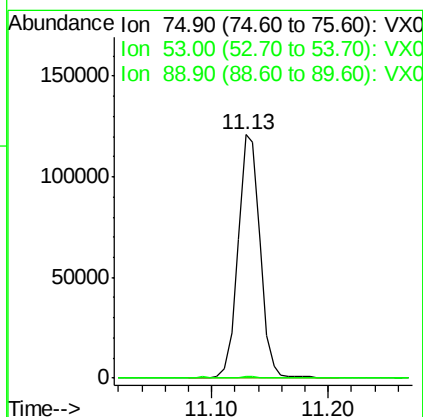
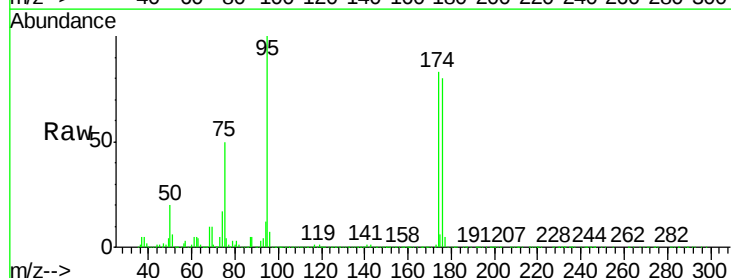
Tgt Ion: 75 Resp: 159718

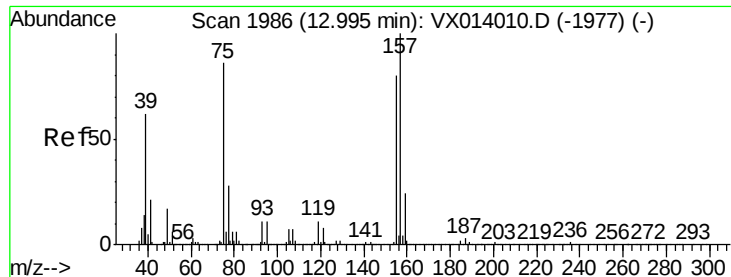
Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.0 34.6 51.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.469 ug/l

RT: 12.98 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VX014289.D

Acq: 27 Dec 2019 00:06

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBL02

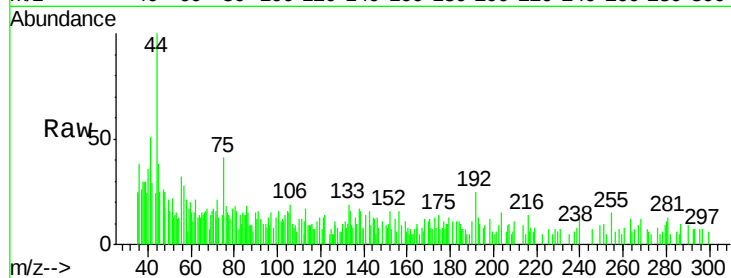
Tgt Ion: 75 Resp: 820

Ion Ratio Lower Upper

75 100

155 15.5 46.9 140.6#

157 13.8 60.8 182.4#



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

12.98

400

300

200

100

0

12.95

13.00

Time-->

