

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006428.D
 Acq On : 11 Dec 2018 18:38
 Operator : JC/MD
 Sample : J6324-04DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 04:38:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	747056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1144309	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1031480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	482302	50.00	ug/l	0.00

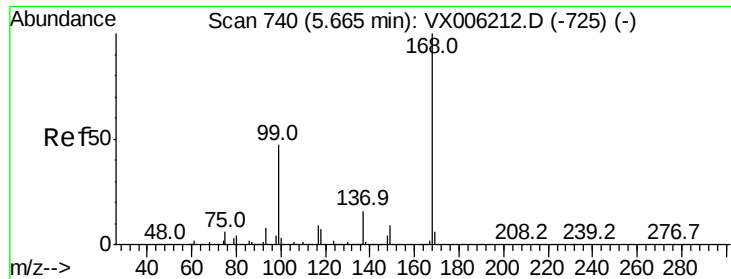
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	377317	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	5.51	113	351645	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
50) Toluene-d8	8.71	98	1333056	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.13	95	487330	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds

					Qvalue	
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3399	0.481	ug/l	96
11) Tert butyl alcohol	3.03	59	5713	2.739	ug/l #	76
13) Acrolein	2.31	56	280	0.246	ug/l #	60
16) Acetone	2.45	43	1562	0.436	ug/l #	86
20) Methylene Chloride	2.87	84	2568	0.337	ug/l #	76
36) 1,1-Dichloropropene	5.67	75	46389	4.814	ug/l #	48
38) Carbon Tetrachloride	5.66	117	68135	6.010	ug/l #	15
44) Trichloroethene	7.21	130	769394	87.997	ug/l	96
49) 1,4-Dioxane	7.76	88	229	1.062	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	219013	23.526	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	219013	55.210	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA_X

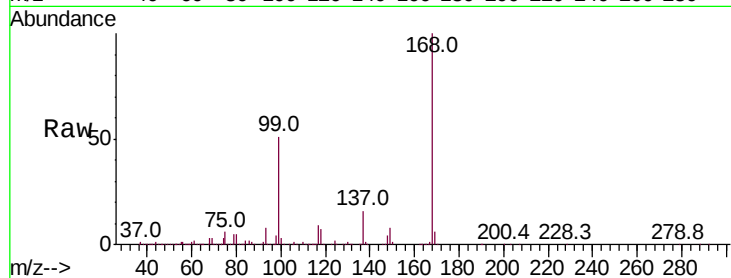
ClientSampleId :

Tot Ion:168 Resp: 747056

Ion Ratio Lower Upper

168 100

99 50.5 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

300000

250000

200000

150000

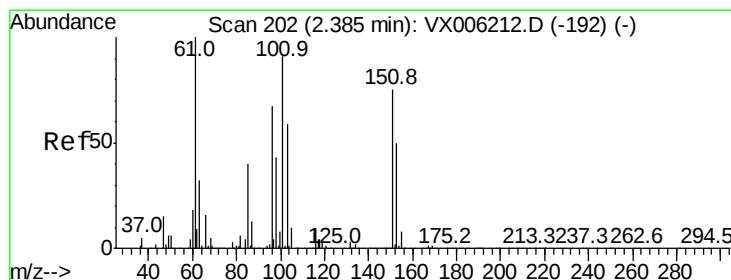
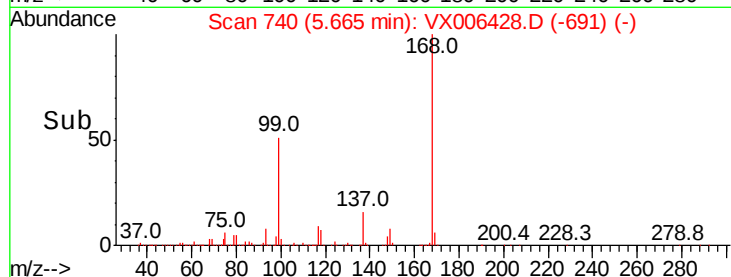
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.481 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

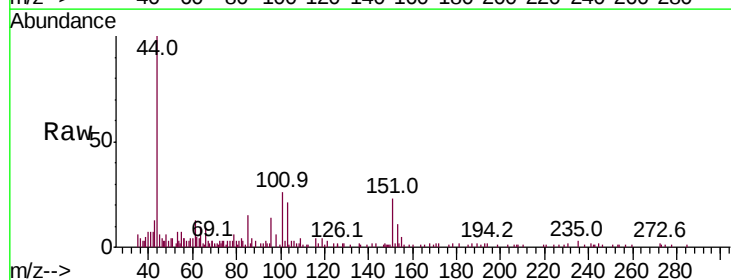
Tgt Ion:101 Resp: 3399

Ion Ratio Lower Upper

101 100

85 46.2 35.5 53.3

151 81.9 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2000

1500

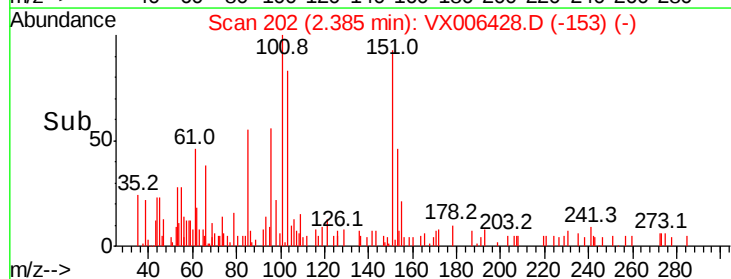
1000

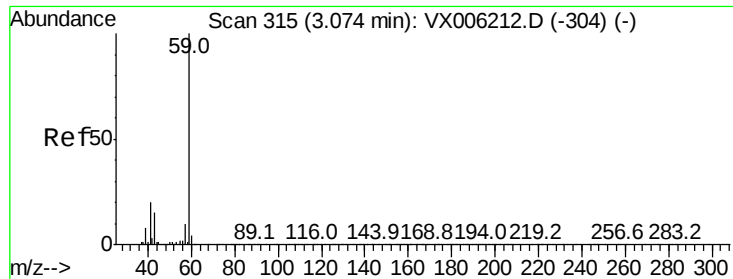
500

0

Time-->

2.30 2.35 2.40 2.45



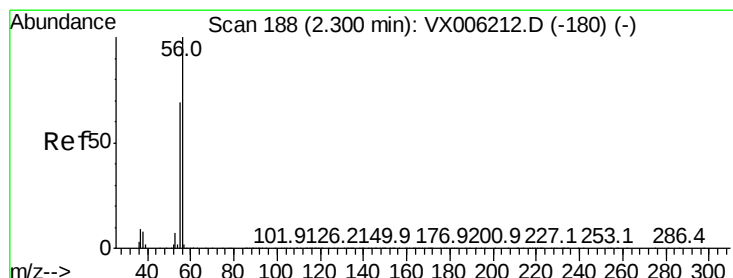
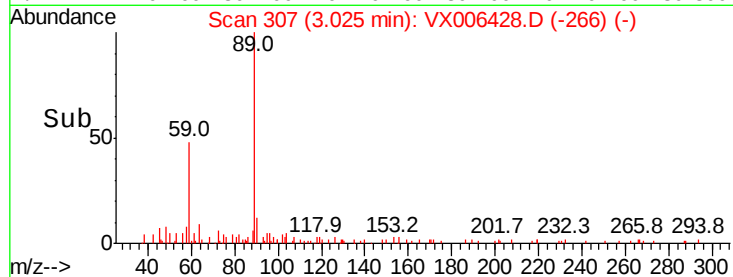
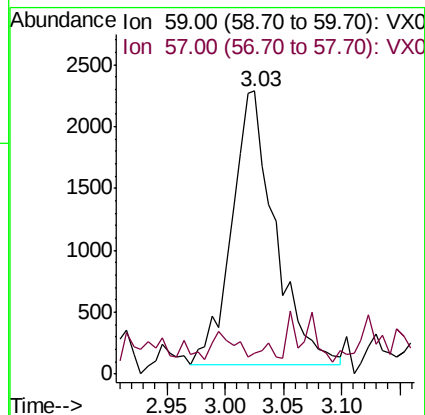
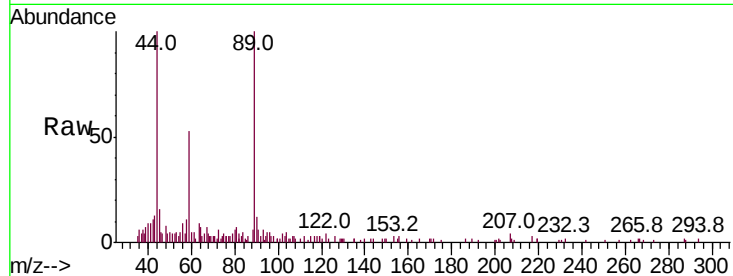


#11

Tert butyl alcohol
 Concen: 2.739 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX006428.D
 Acq: 11 Dec 2018 18:38

Instrument :
 MSVOA_X
 ClientSampled :

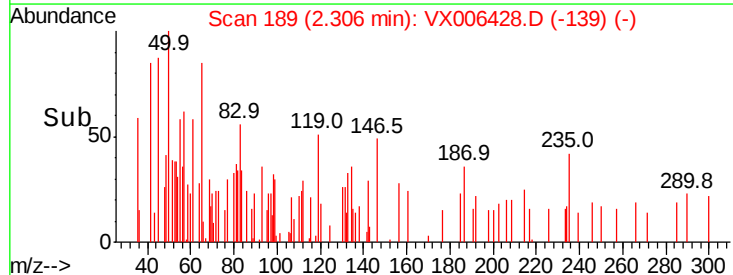
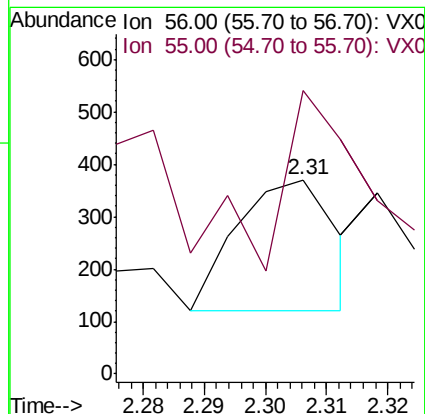
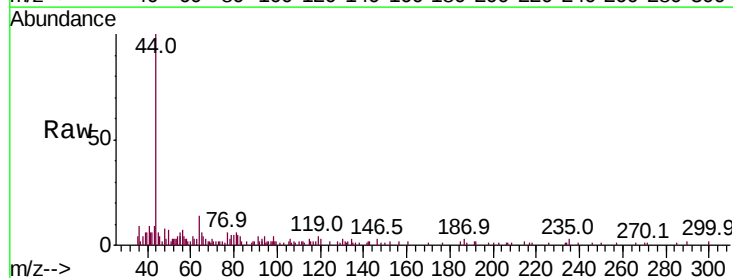
Tot Ion: 59 Resp: 5713
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.2 12.2#

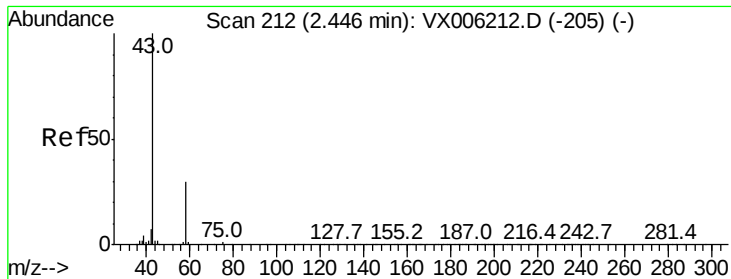


#13

Acrolein
 Concen: 0.246 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX006428.D
 Acq: 11 Dec 2018 18:38

Tgt Ion: 56 Resp: 280
 Ion Ratio Lower Upper
 56 100
 55 105.7 57.8 86.6#

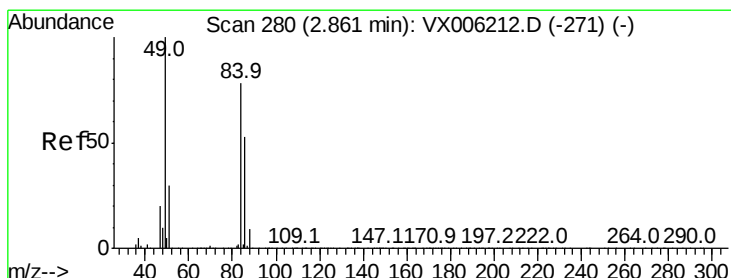
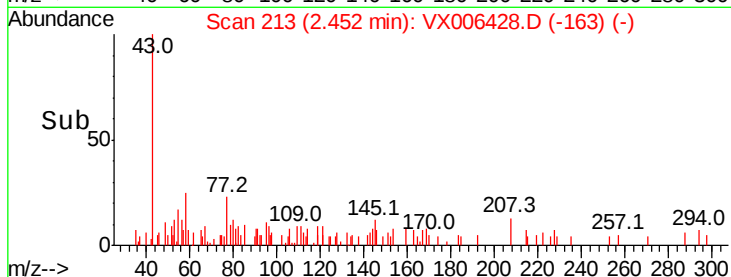
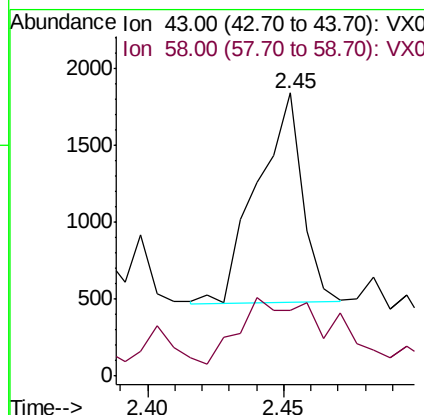
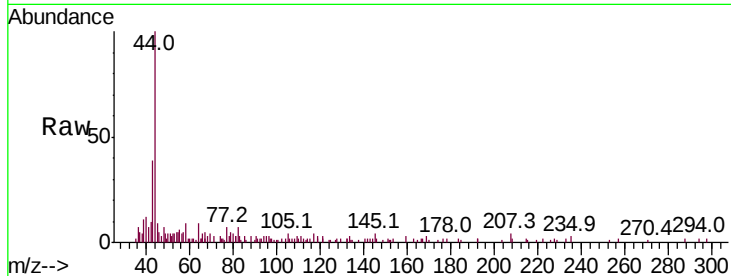




#16
Acetone
Concen: 0.436 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006428.D
Acq: 11 Dec 2018 18:38

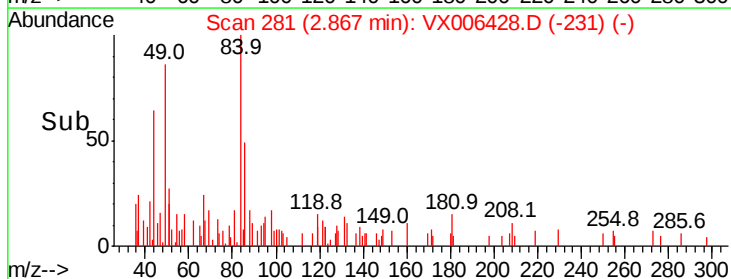
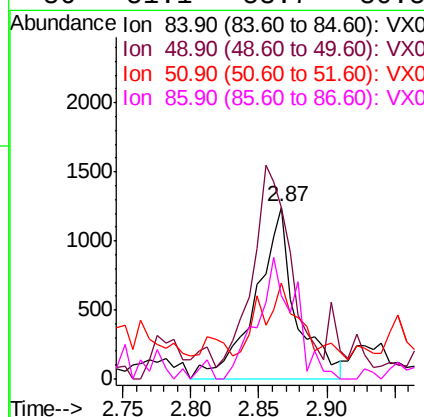
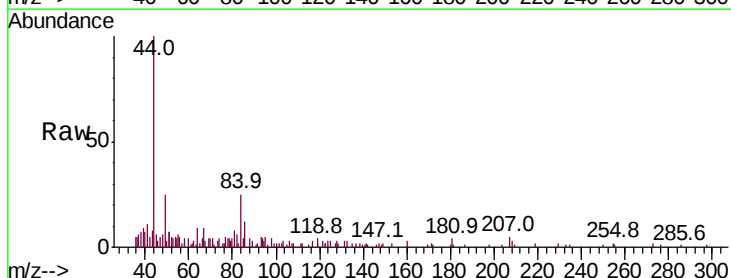
Instrument :
MSVOA_X
ClientSampleId :

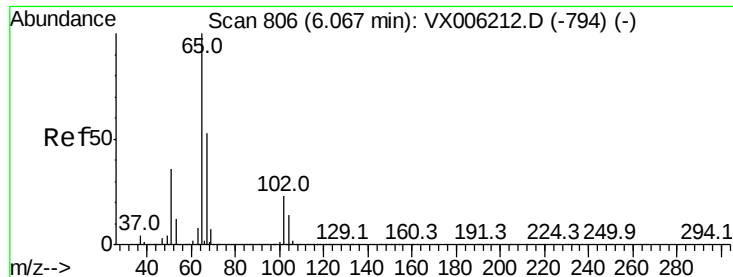
Tot Ion: 43 Resp: 1562
Ion Ratio Lower Upper
43 100
58 22.7 24.0 36.0#



#20
Methylene Chloride
Concen: 0.337 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006428.D
Acq: 11 Dec 2018 18:38

Tgt Ion: 84 Resp: 2568
Ion Ratio Lower Upper
84 100
49 93.3 102.2 153.4#
51 44.1 31.1 46.7
86 51.1 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 49.476 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA_X

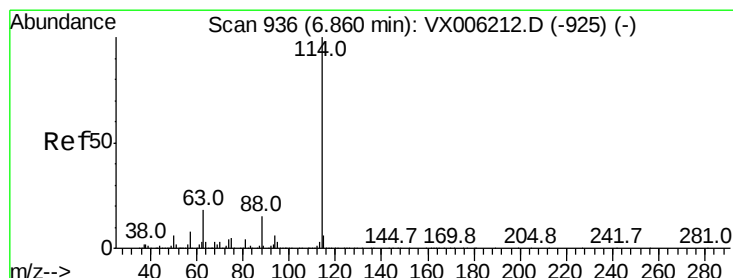
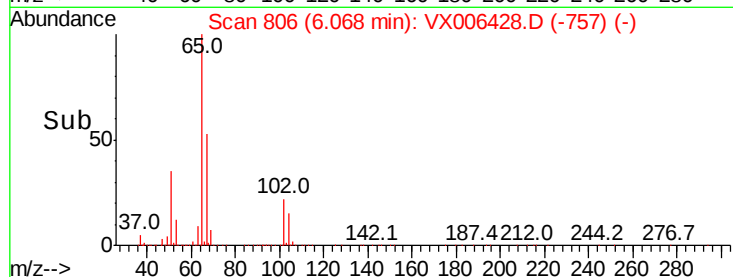
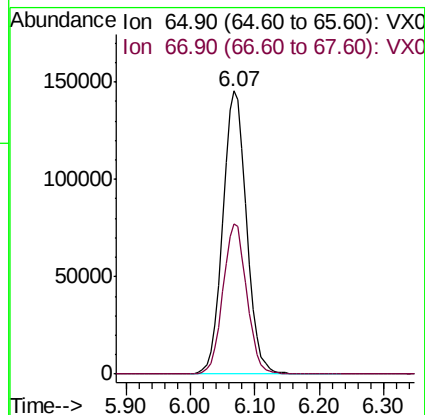
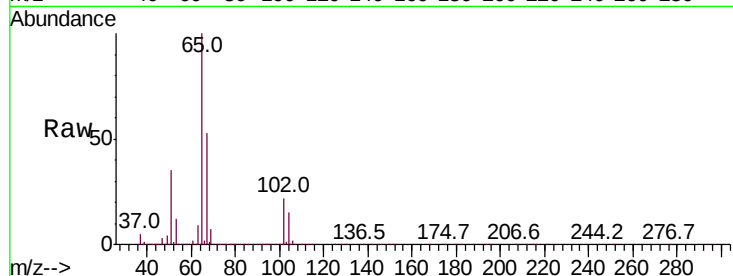
ClientSampleId :

Tot Ion: 65 Resp: 377317

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

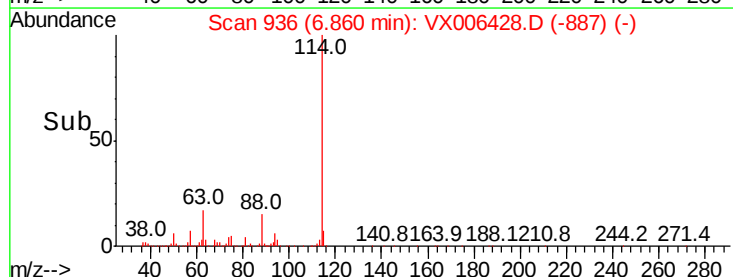
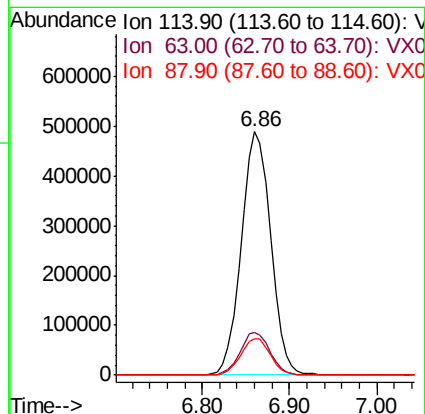
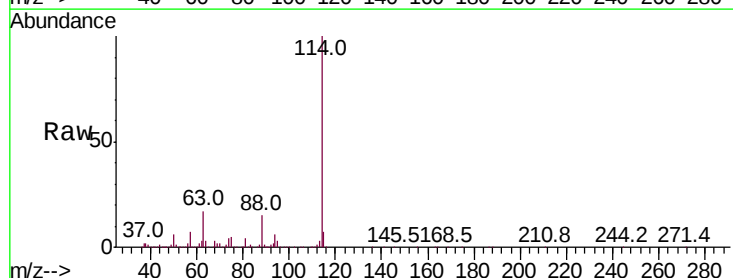
Tgt Ion: 114 Resp: 1144309

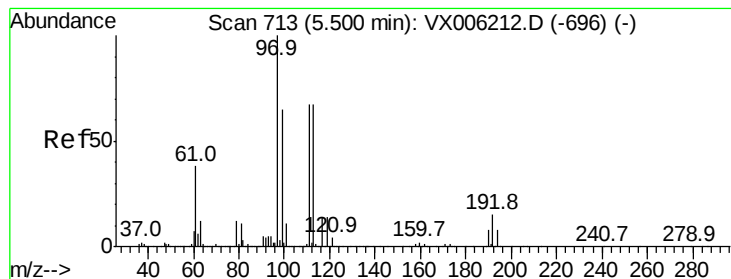
Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.462 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

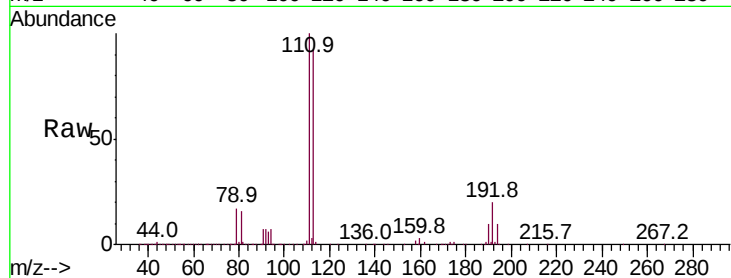
Tot Ion:113 Resp: 351645

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

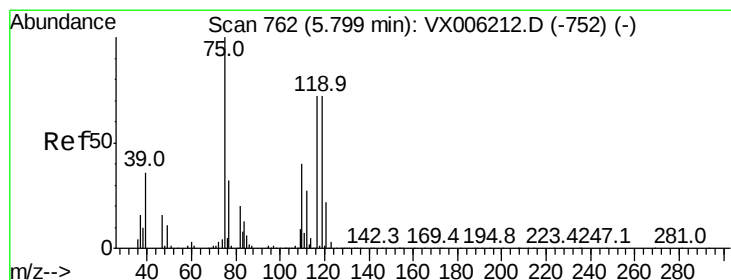
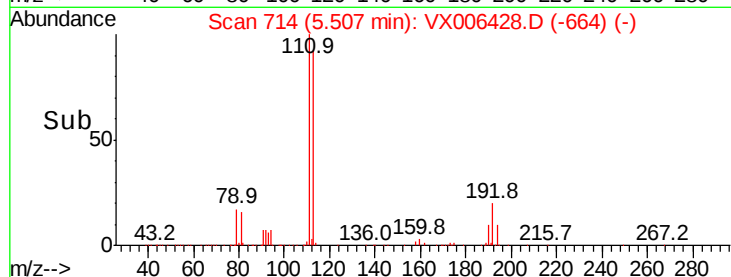
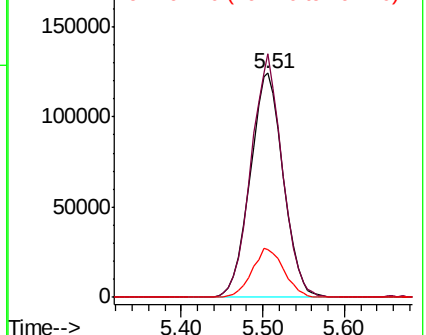
192 21.3 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.814 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

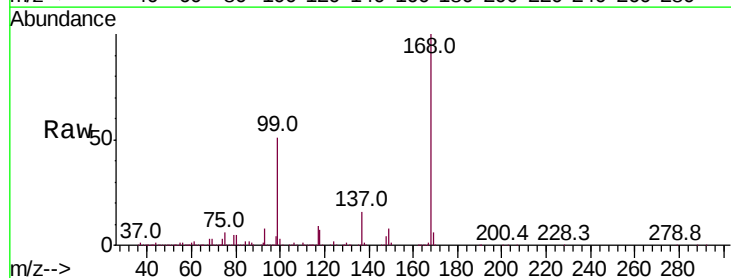
Tgt Ion: 75 Resp: 46389

Ion Ratio Lower Upper

75 100

110 10.4 20.4 61.3#

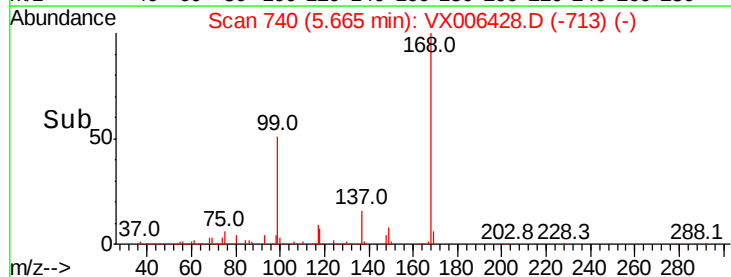
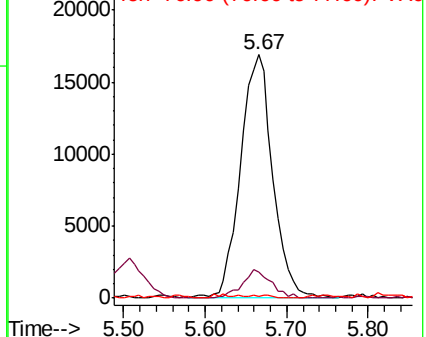
77 0.1 24.9 37.3#

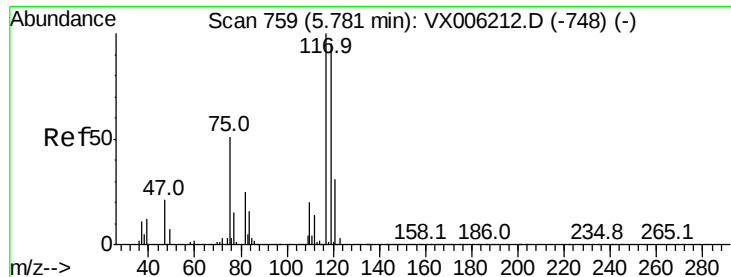


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.010 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

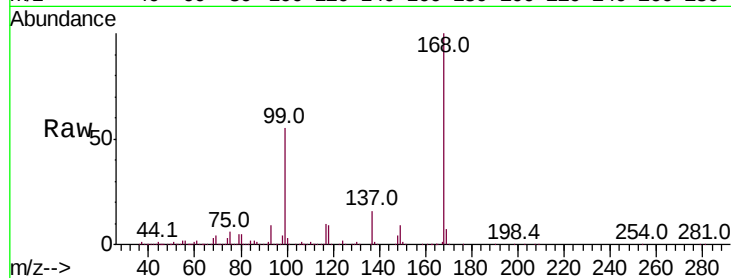
Tot Ion:117 Resp: 68135

Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.8#

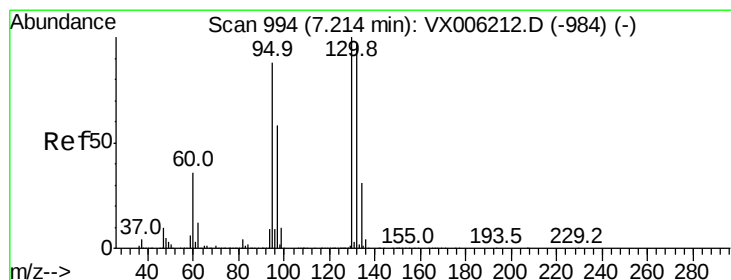
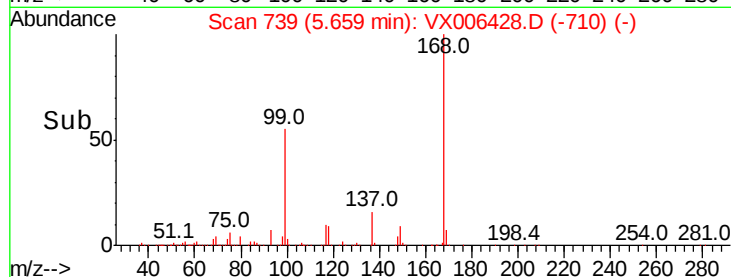
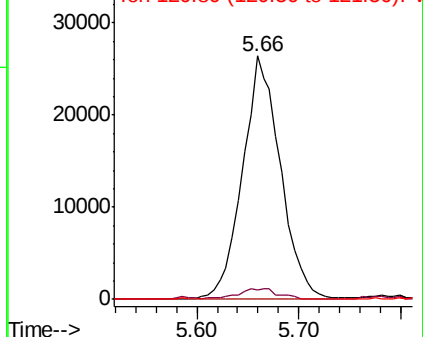
121 0.0 24.6 37.0#



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: 87.997 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006428.D

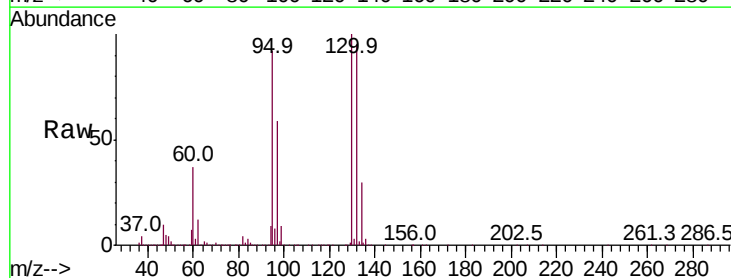
Acq: 11 Dec 2018 18:38

Tgt Ion:130 Resp: 769394

Ion Ratio Lower Upper

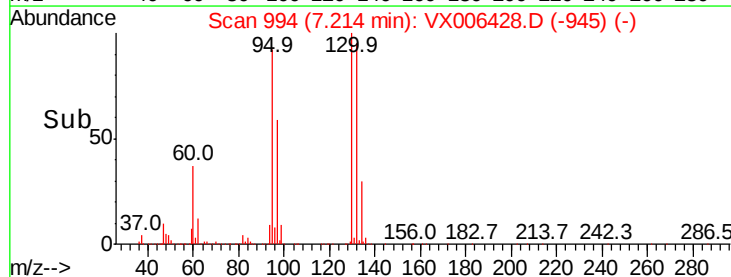
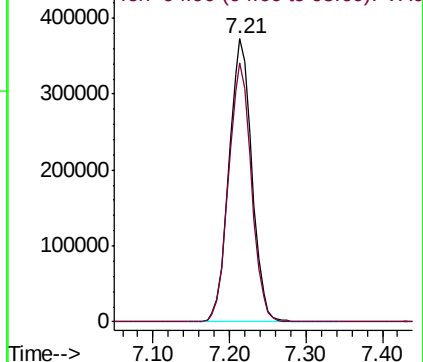
130 100

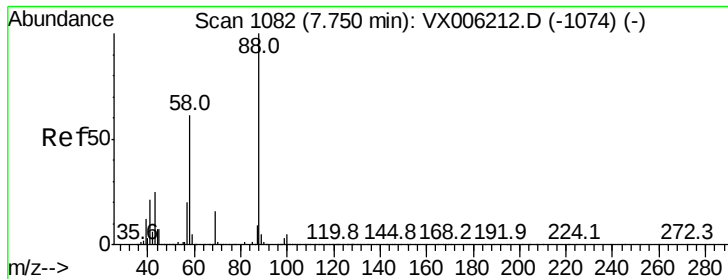
95 91.7 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

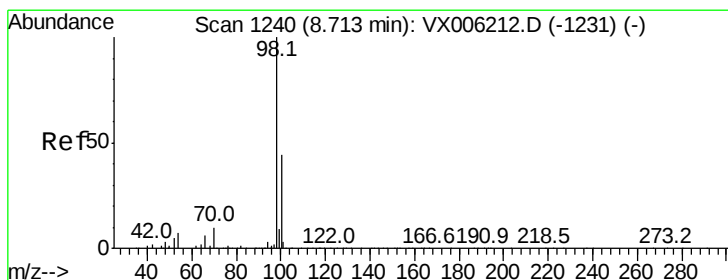
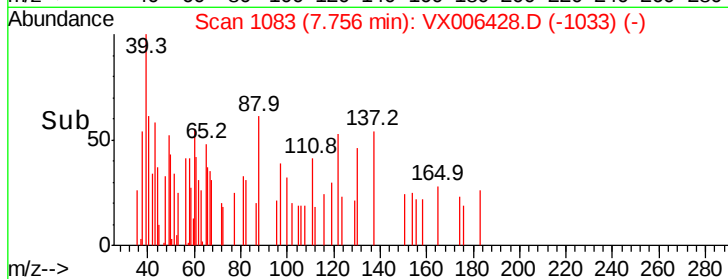
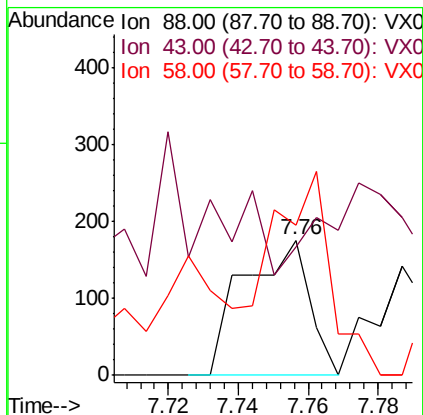
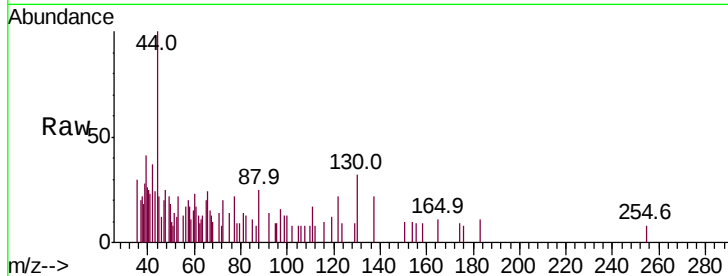




#49
1,4-Dioxane
Concen: 1.062 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006428.D
Acq: 11 Dec 2018 18:38

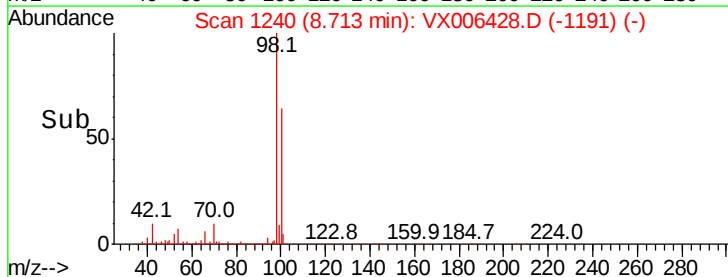
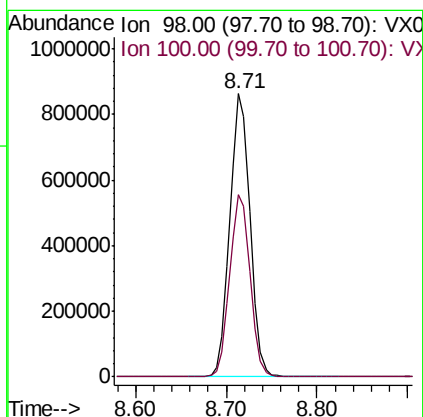
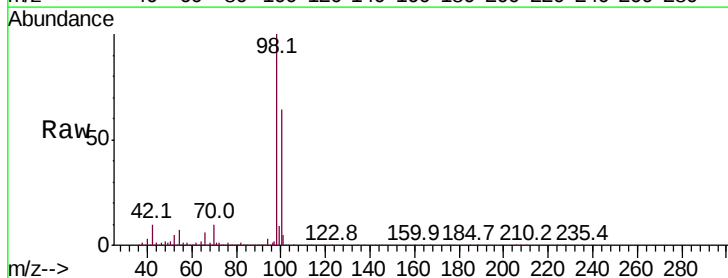
Instrument :
MSVOA_X
ClientSampleId :

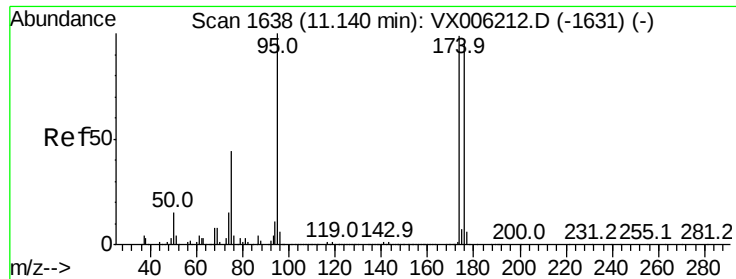
Tot Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 139.7 51.4 77.0#



#50
Toluene-d8
Concen: 49.465 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006428.D
Acq: 11 Dec 2018 18:38

Tgt Ion: 98 Resp: 1333056
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2

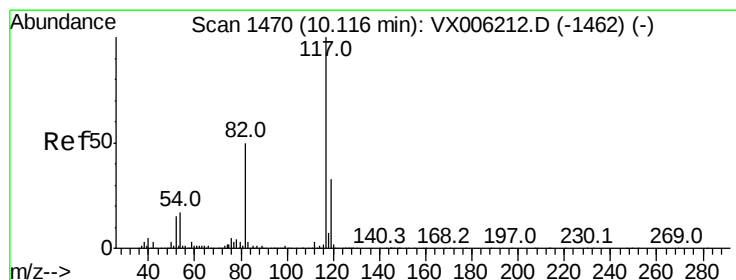
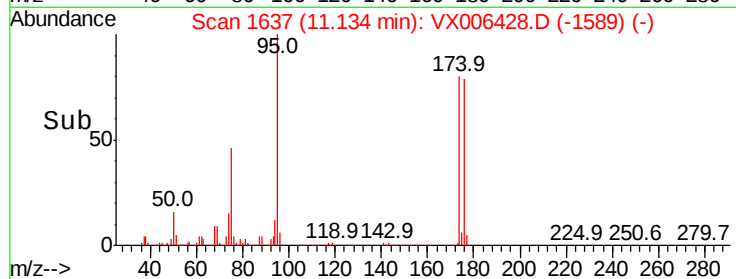
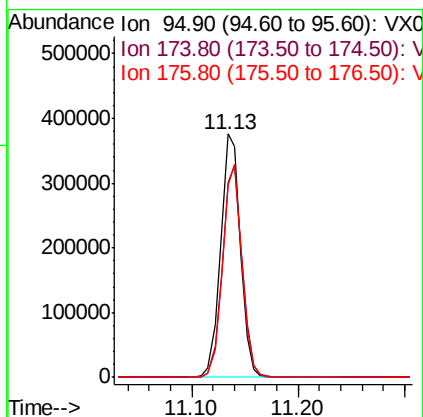
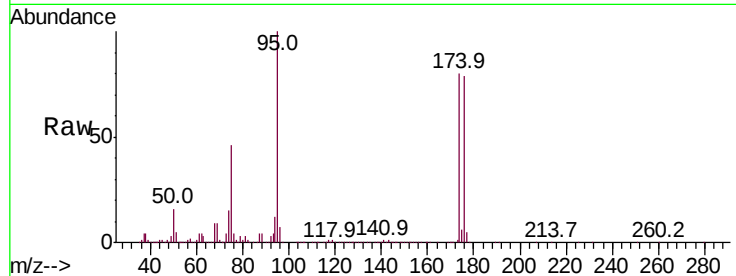




#62
4-Bromofluorobenzene
Concen: 47.988 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006428.D
Acq: 11 Dec 2018 18:38

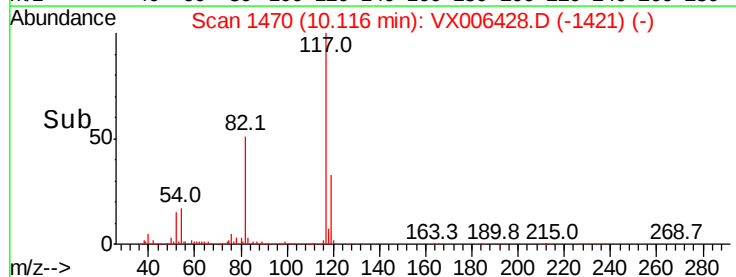
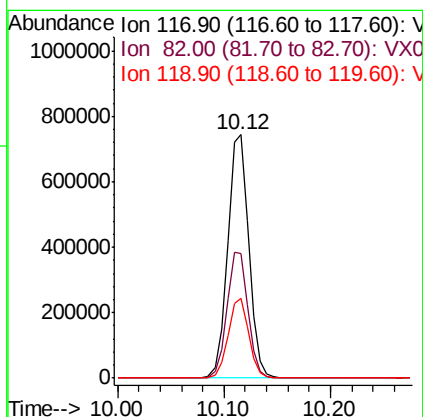
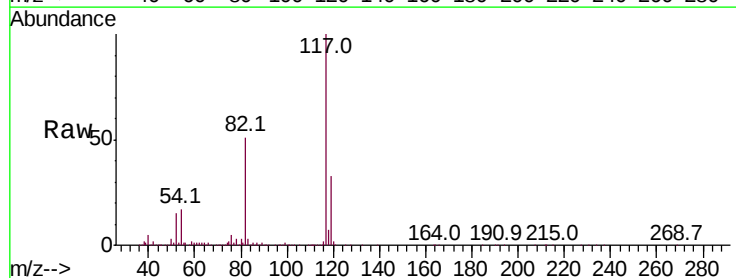
Instrument :
MSVOA_X
ClientSampleId :

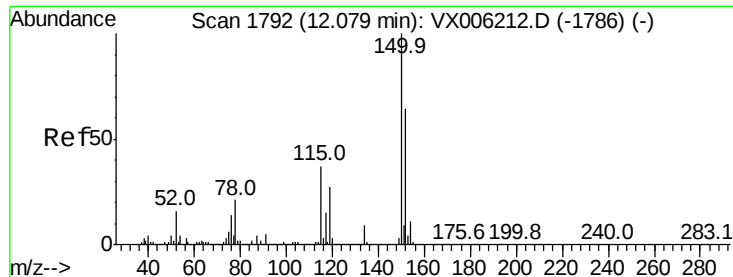
Tot Ion: 95 Resp: 487330
Ion Ratio Lower Upper
95 100
174 86.5 0.0 187.0
176 85.5 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006428.D
Acq: 11 Dec 2018 18:38

Tgt Ion: 117 Resp: 1031480
Ion Ratio Lower Upper
117 100
82 51.0 39.6 59.4
119 32.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

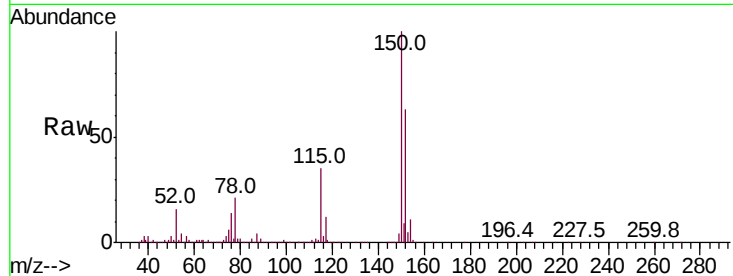
Tot Ion:152 Resp: 482302

Ion Ratio Lower Upper

152 100

115 57.1 39.0 116.9

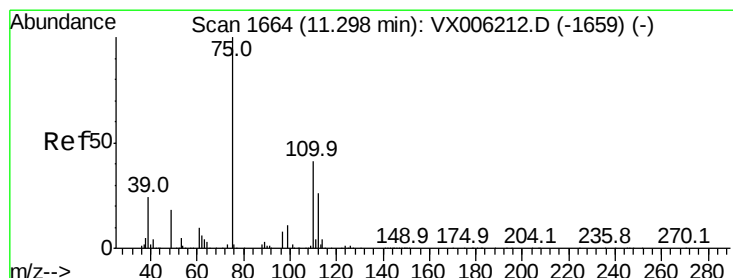
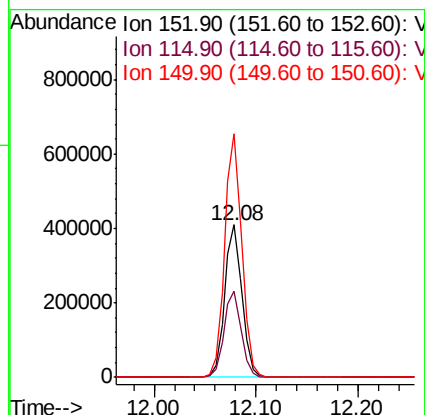
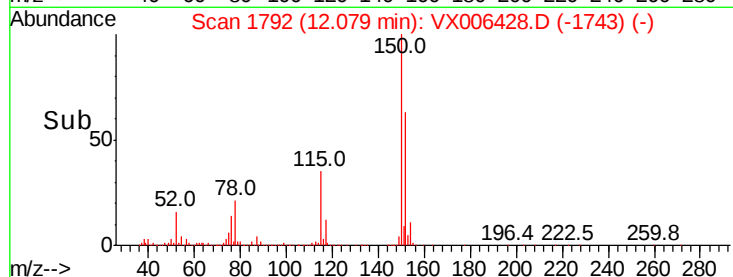
150 159.0 0.0 345.8



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: 23.526 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006428.D

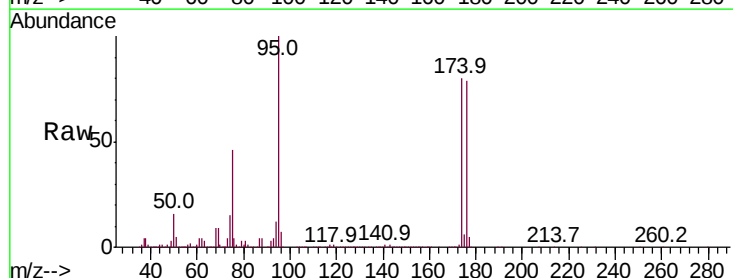
Acq: 11 Dec 2018 18:38

Tgt Ion: 75 Resp: 219013

Ion Ratio Lower Upper

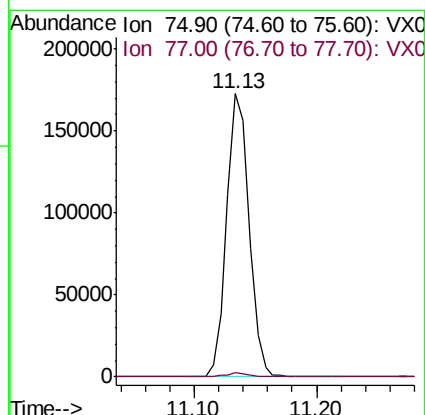
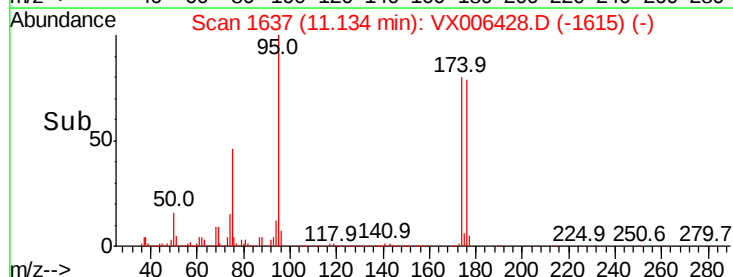
75 100

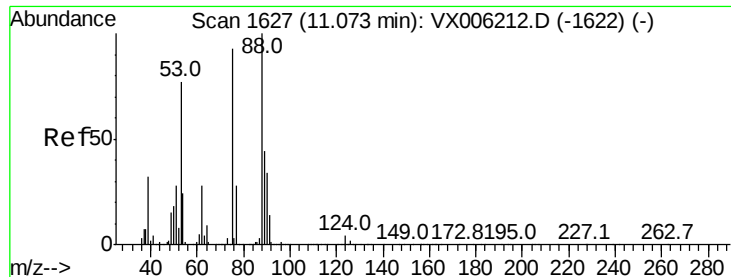
77 1.5 19.9 59.7#



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: 55.210 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 219013

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

