

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010719\
 Data File : VX006926.D
 Acq On : 07 Jan 2019 11:02
 Operator : JC/MD
 Sample : VX0107WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 06:31:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	669666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	998038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	925734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	456844	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	347526	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
35) Dibromofluoromethane	5.50	113	313032	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.71	98	1178946	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	429265	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	

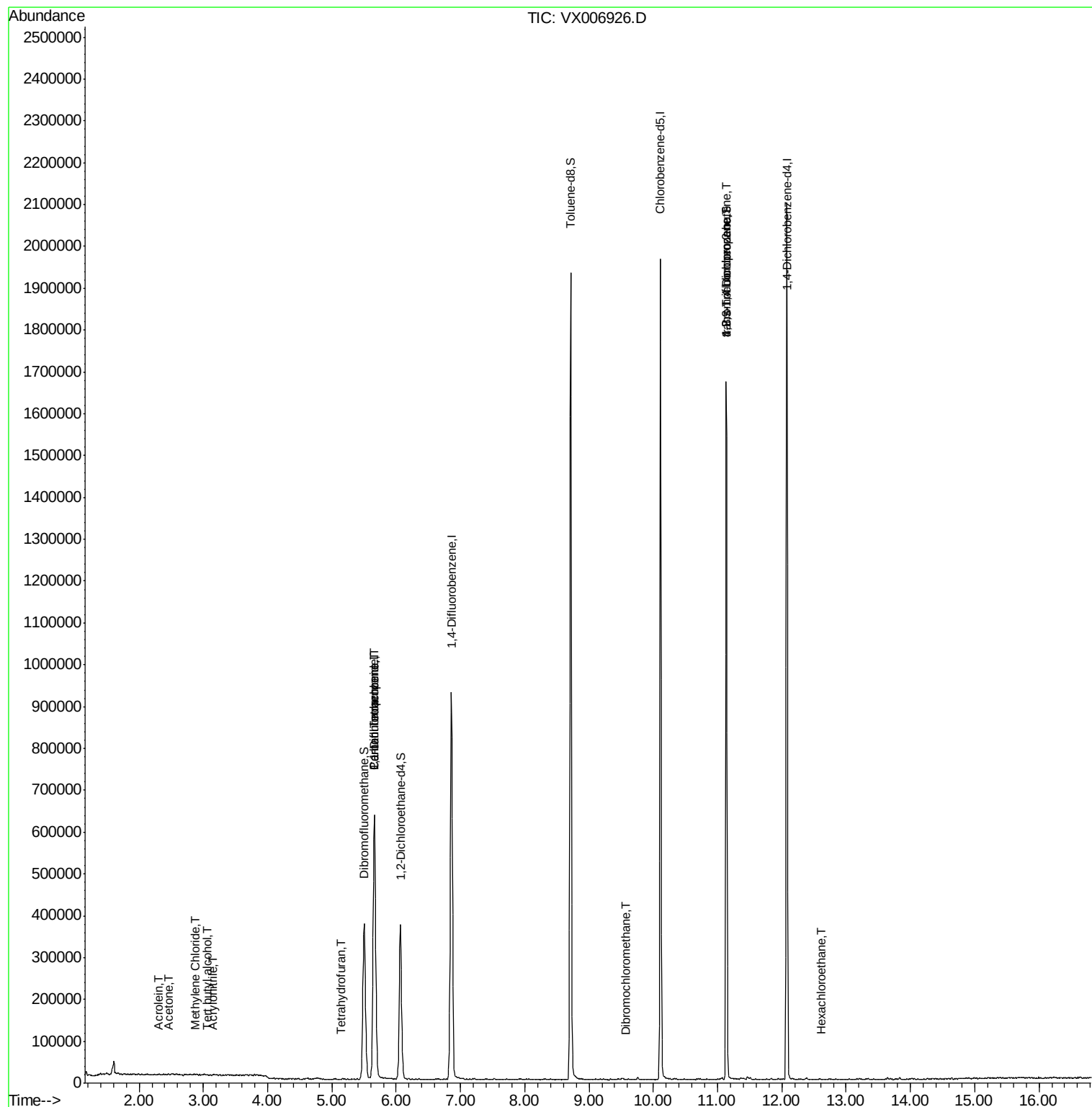
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1069	Below Cal	#	12
11) Tert butyl alcohol	3.06	59	629	0.391	ug/l #	44
13) Acrolein	2.29	56	504	0.464	ug/l #	84
15) Acrylonitrile	3.14	53	978	0.273	ug/l #	75
16) Acetone	2.45	43	1124	0.339	ug/l #	74
20) Methylene Chloride	2.87	84	1574	0.230	ug/l #	60
28) Bromochloromethane	5.02	49	256	Below Cal	#	11
29) Tetrahydrofuran	5.15	42	1076	0.350	ug/l #	55
36) 1,1-Dichloropropene	5.66	75	42282	5.115	ug/l #	49
38) Carbon Tetrachloride	5.66	117	58684	7.305	ug/l #	15
49) 1,4-Dioxane	7.76	88	195	Below Cal	#	66
60) Dibromochloromethane	9.58	129	133	2.342	ug/l	84
76) 1,2,3-Trichloropropane	11.13	75	201421	23.724	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	201421	70.321	ug/l #	10
90) Hexachloroethane	12.62	117	85	3.311	ug/l	67

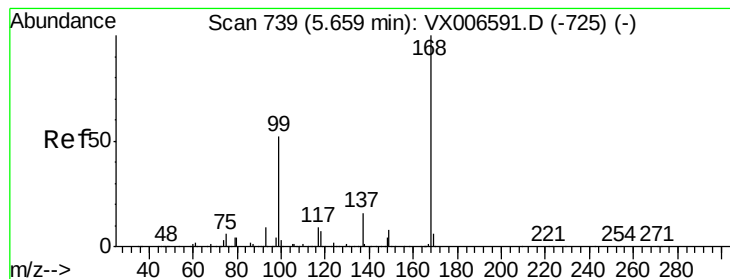
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

Instrument :

MSVOA_X

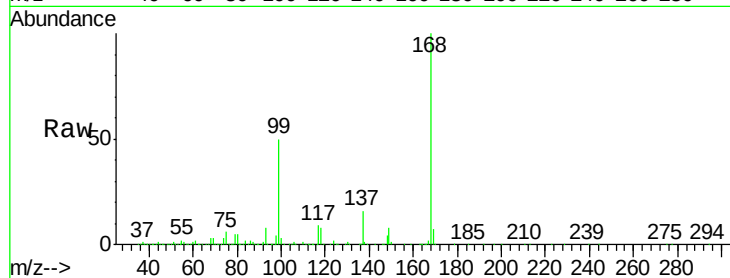
ClientSampleId :

Tot Ion:168 Resp: 669666

Ion Ratio Lower Upper

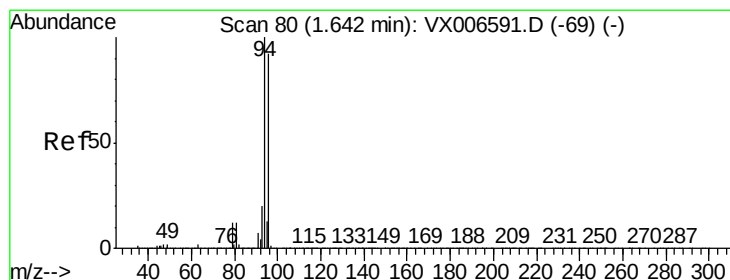
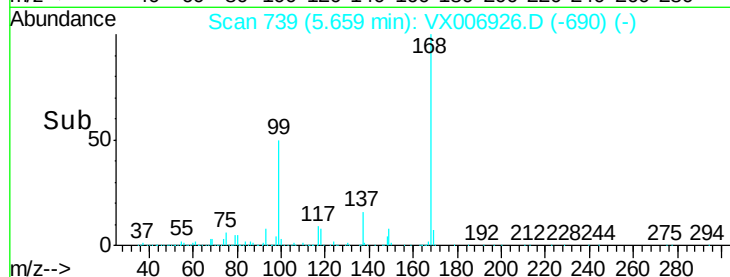
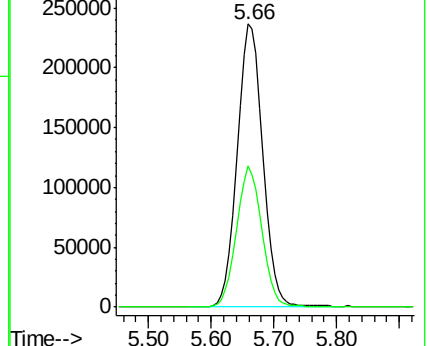
168 100

99 49.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006926.D

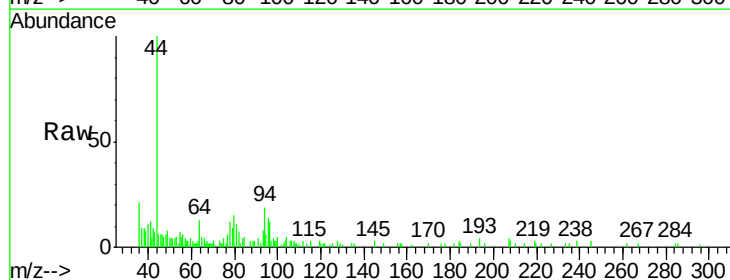
Acq: 07 Jan 2019 11:02

Tgt Ion: 94 Resp: 1069

Ion Ratio Lower Upper

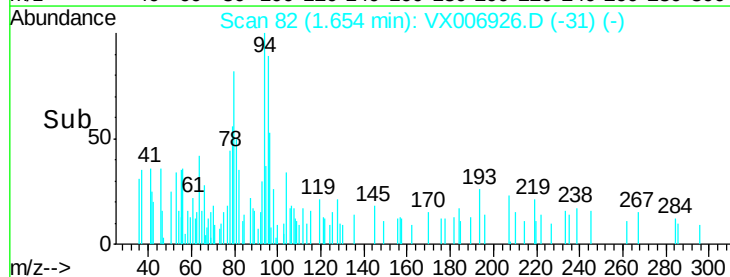
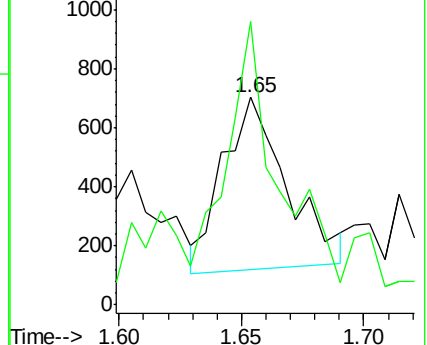
94 100

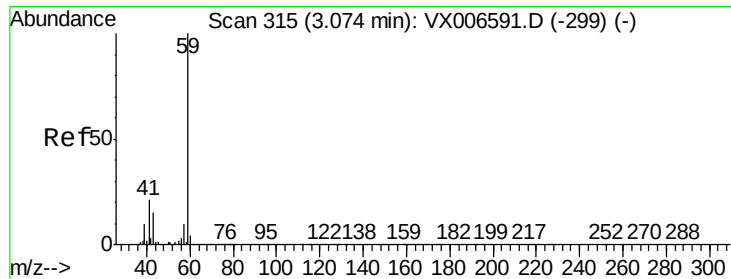
96 175.6 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



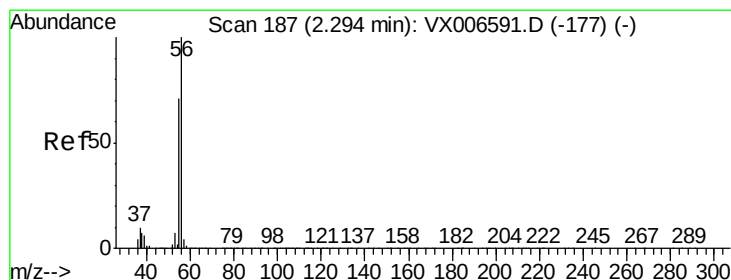
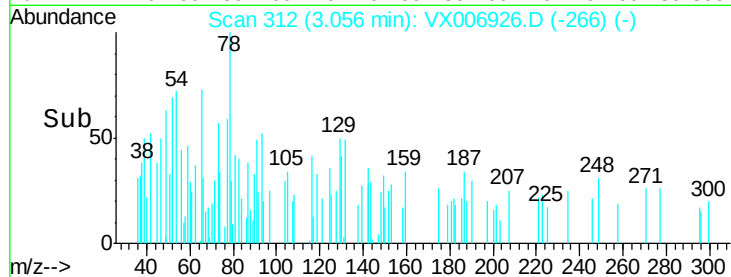
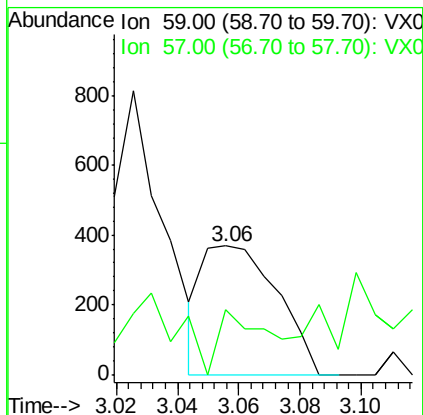
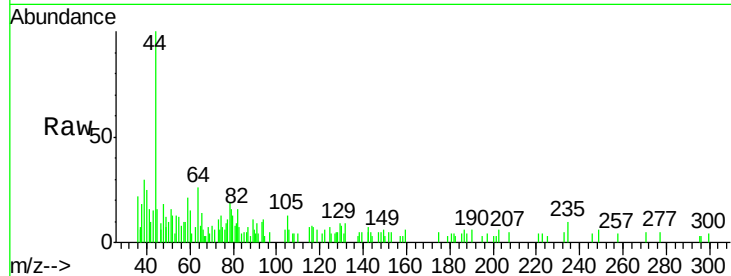


#11

Tert butyl alcohol
Concen: 0.391 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX006926.D
Acq: 07 Jan 2019 11:02

Instrument :
MSVOA_X
ClientSampled :

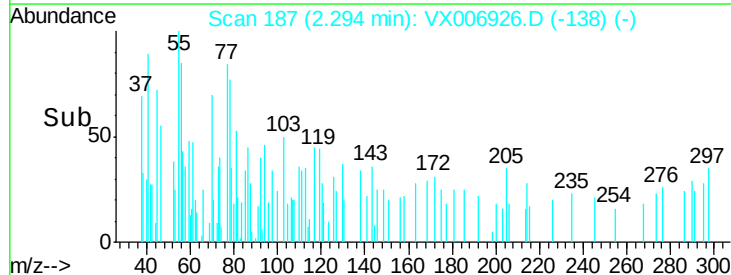
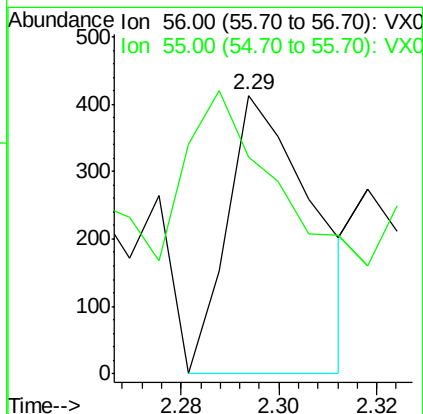
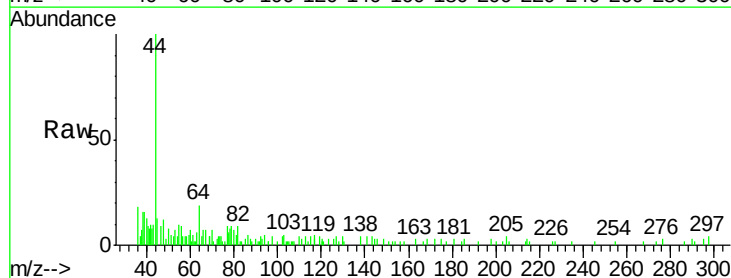
Tot Ion: 59 Resp: 629
Ion Ratio Lower Upper
59 100
57 31.8 8.5 12.7#

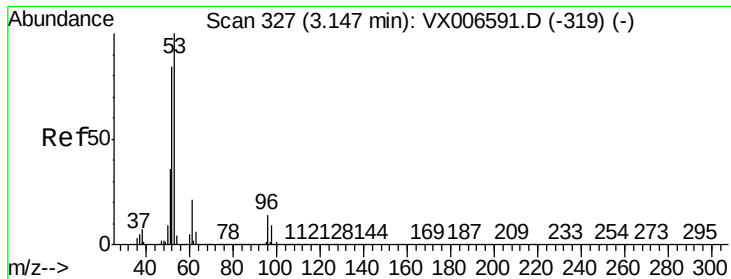


#13

Acrolein
Concen: 0.464 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX006926.D
Acq: 07 Jan 2019 11:02

Tgt Ion: 56 Resp: 504
Ion Ratio Lower Upper
56 100
55 59.7 58.2 87.4





#15

Acrylonitrile

Concen: 0.273 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

Instrument :

MSVOA_X

ClientSampled :

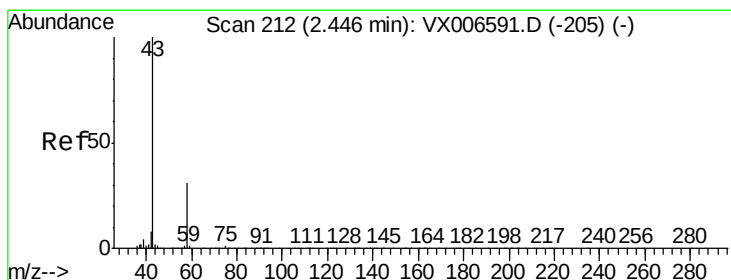
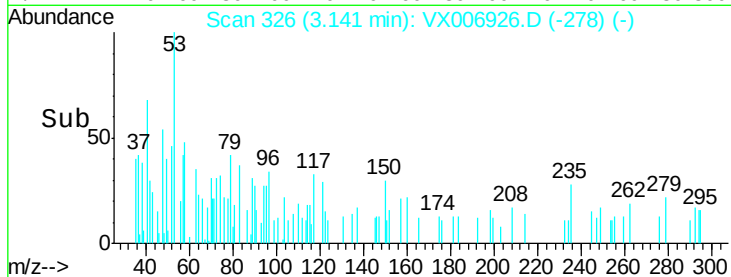
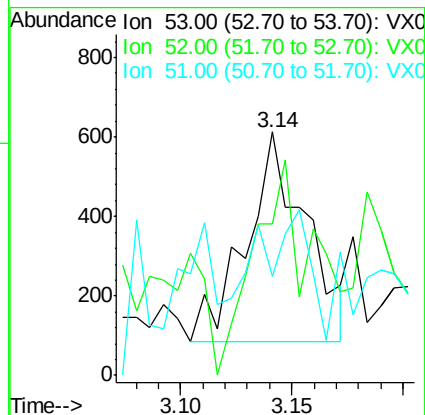
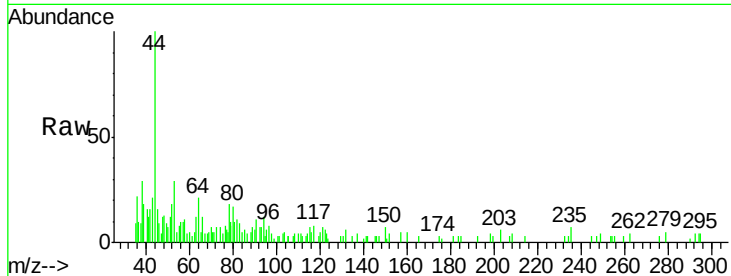
Tot Ion: 53 Resp: 978

Ion Ratio Lower Upper

53 100

52 103.4 66.0 99.0#

51 52.1 28.6 42.8#



#16

Acetone

Concen: 0.339 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006926.D

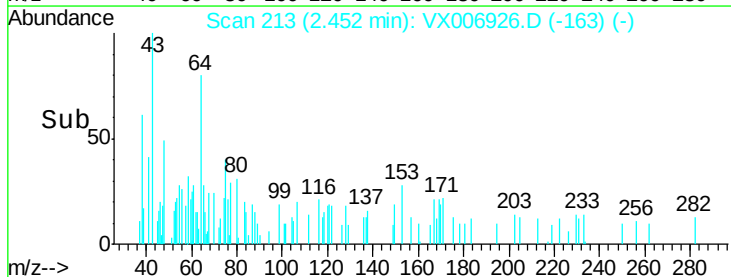
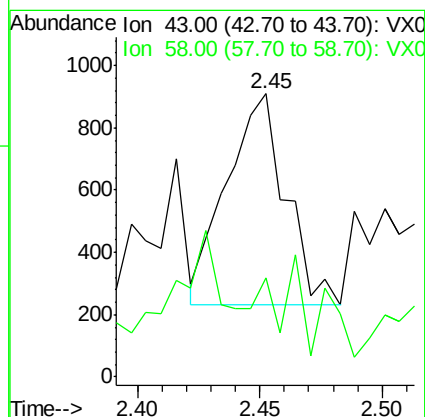
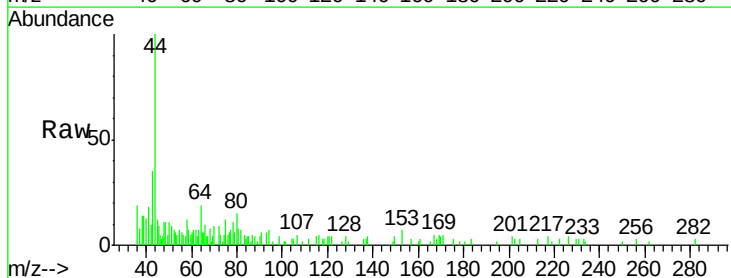
Acq: 07 Jan 2019 11:02

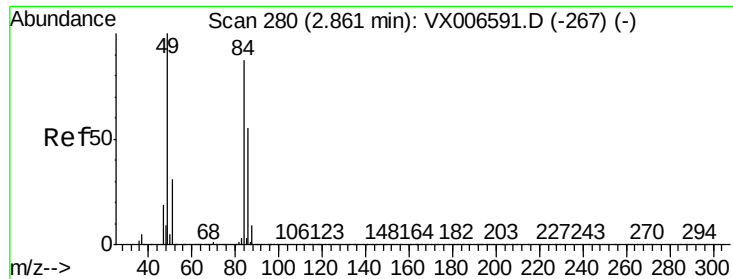
Tgt Ion: 43 Resp: 1124

Ion Ratio Lower Upper

43 100

58 45.6 25.0 37.6#

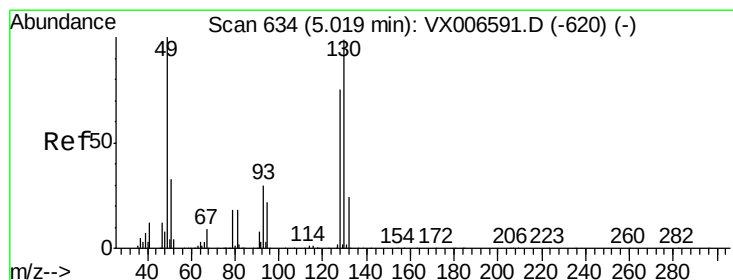
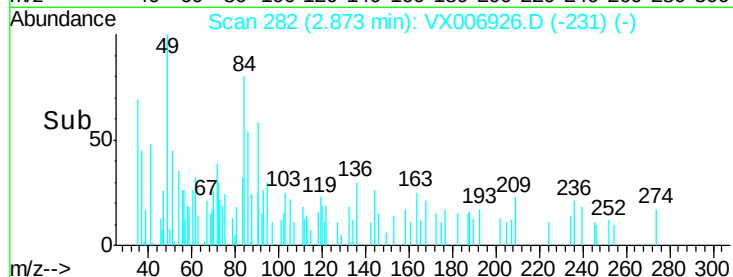
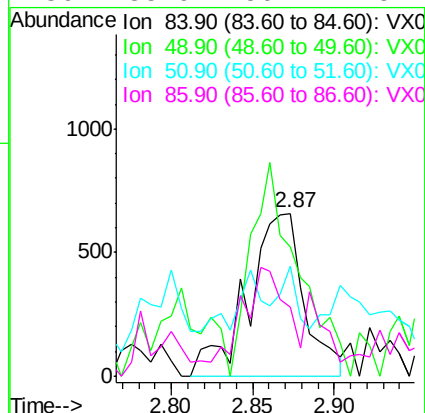
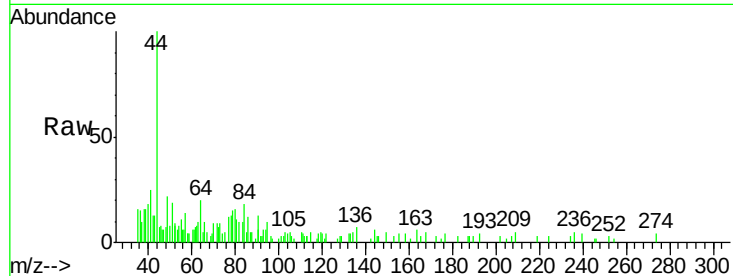




#20
Methylene Chloride
Concen: 0.230 ug/l
RT: 2.87 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX006926.D
Acq: 07 Jan 2019 11:02

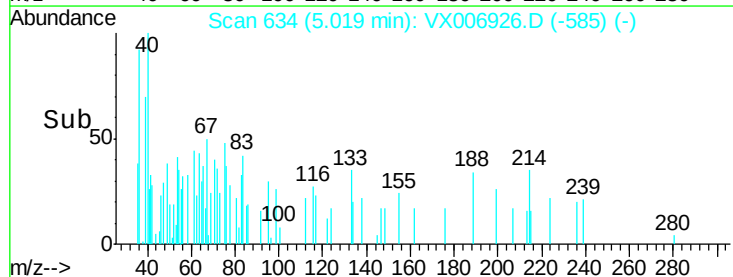
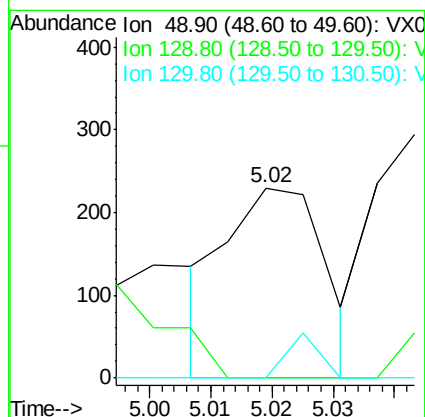
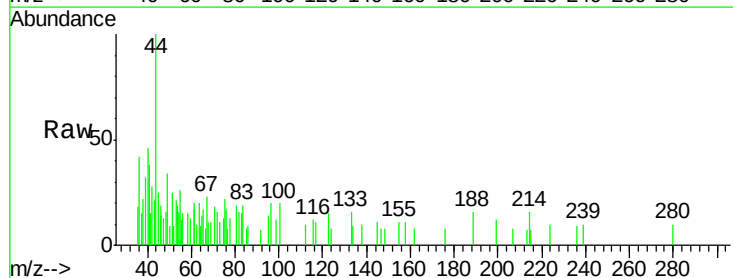
Instrument :
MSVOA_X
ClientSampleId :

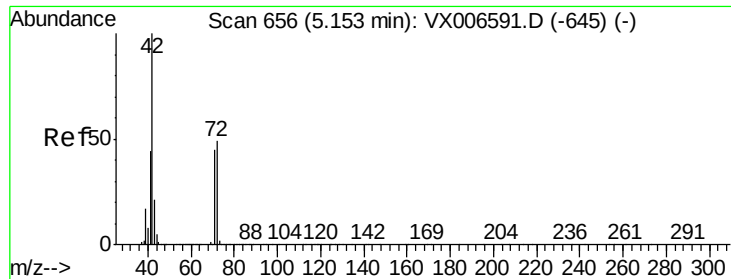
Tot Ion: 84 Resp: 1574
Ion Ratio Lower Upper
84 100
49 58.8 91.8 137.6#
51 40.0 28.5 42.7
86 33.9 50.2 75.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006926.D
Acq: 07 Jan 2019 11:02

Tgt Ion: 49 Resp: 256
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 7.8 77.7 116.5#





#29

Tetrahydrofuran

Concen: 0.350 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

Instrument :

MSVOA_X

ClientSampled :

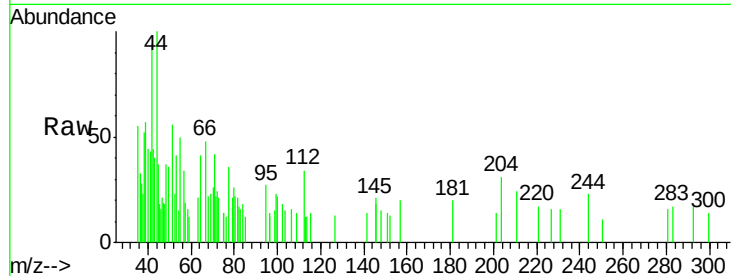
Tot Ion: 42 Resp: 1076

Ion Ratio Lower Upper

42 100

72 15.4 38.9 58.3#

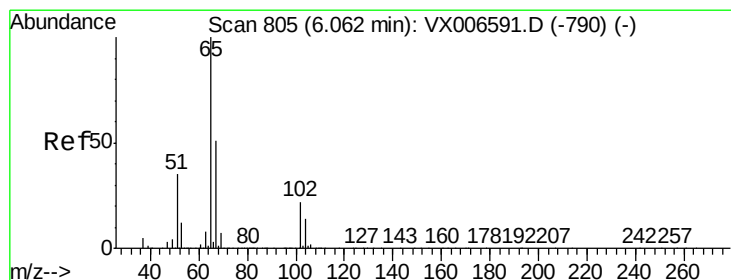
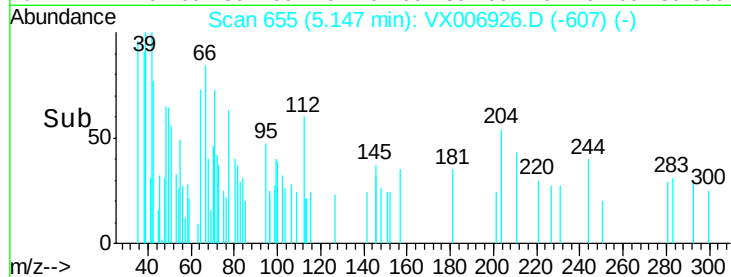
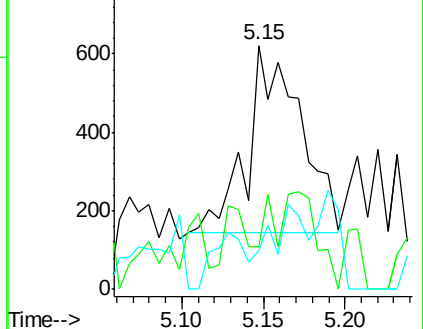
71 18.6 36.2 54.4#



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: 48.151 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006926.D

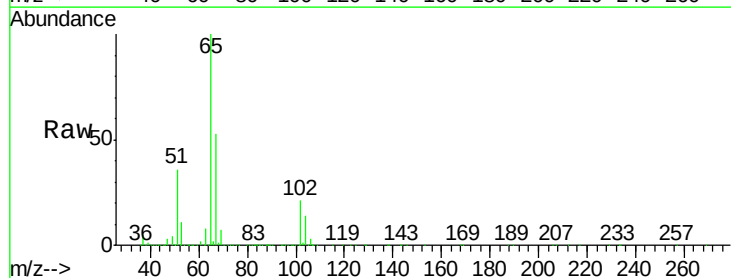
Acq: 07 Jan 2019 11:02

Tgt Ion: 65 Resp: 347526

Ion Ratio Lower Upper

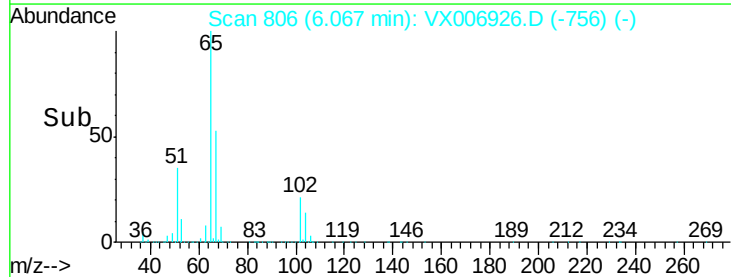
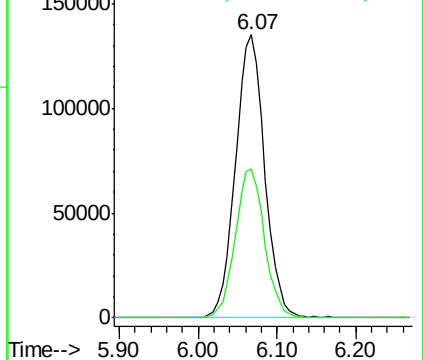
65 100

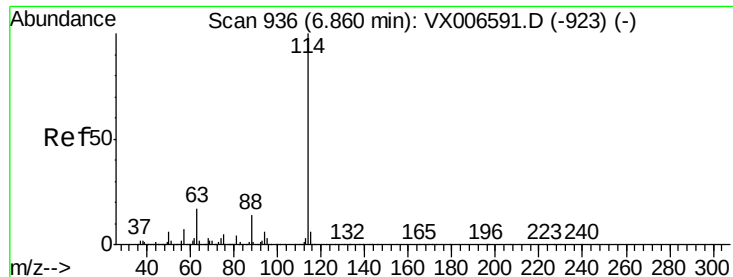
67 52.5 0.0 105.0



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# 936

Delta R.T. -0.00 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

Instrument :

MSVOA_X

ClientSampled :

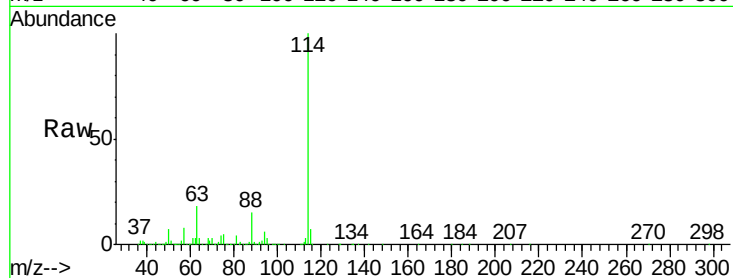
Tot Ion:114 Resp: 998038

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

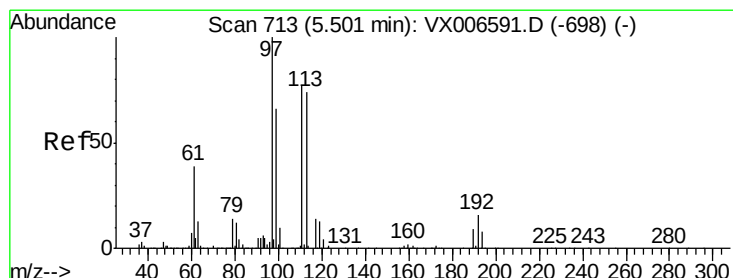
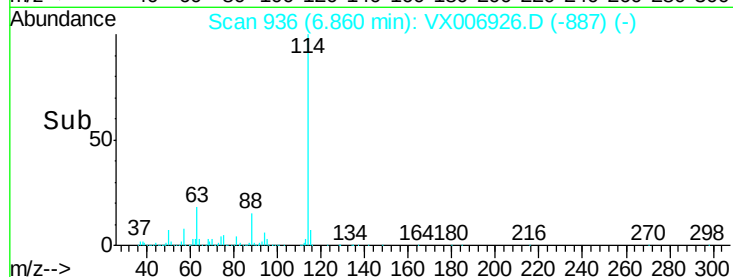
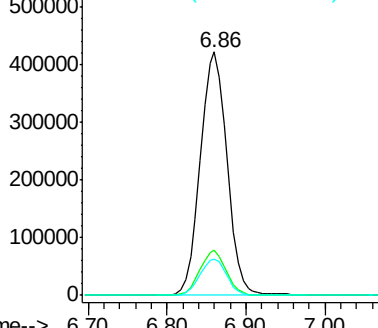
88 14.7 0.0 28.8



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: 49.598 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

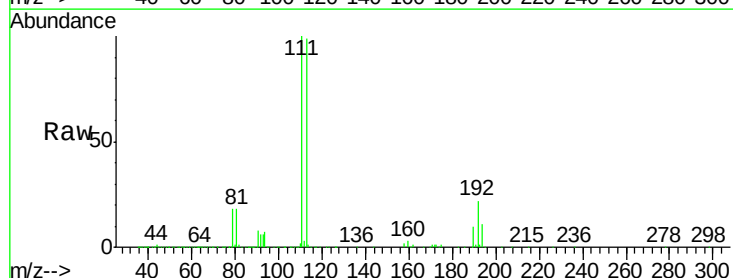
Tgt Ion:113 Resp: 313032

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

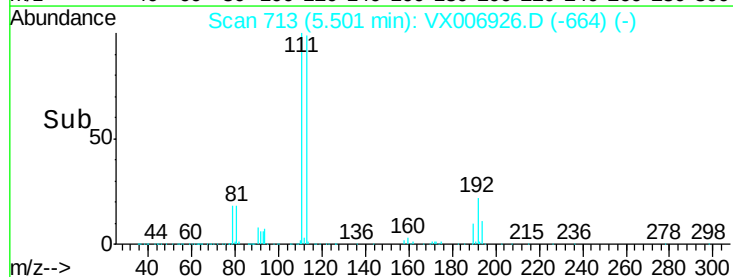
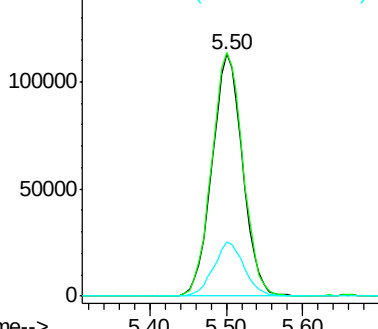
192 22.3 16.7 25.1

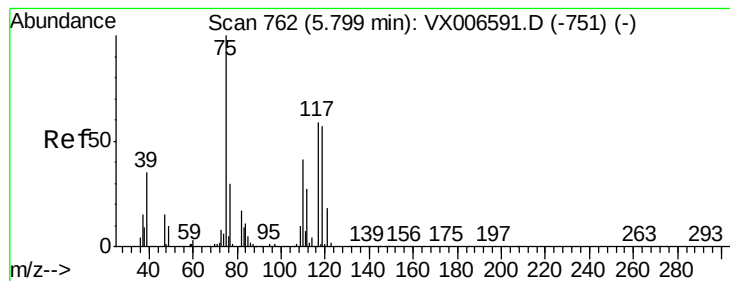


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.115 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

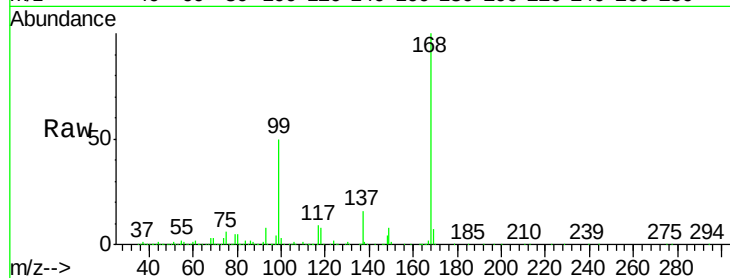
Tot Ion: 75 Resp: 42282

Ion Ratio Lower Upper

75 100

110 10.3 20.2 60.5#

77 0.6 24.8 37.2#

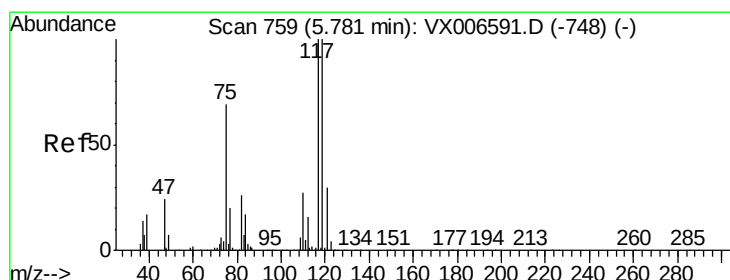
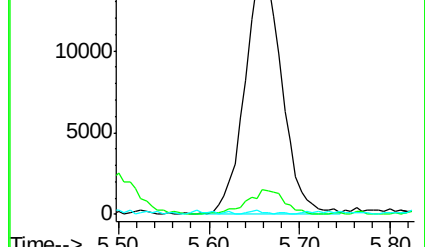
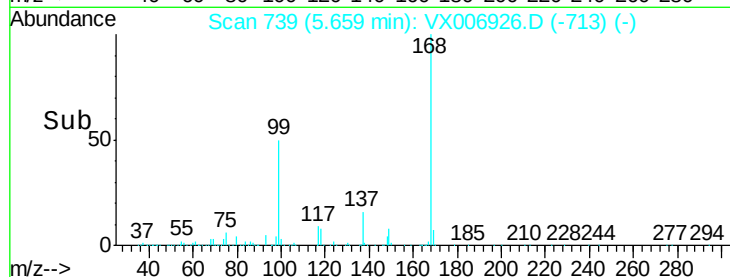


Abundance Ion 74.90 (74.60 to 75.60): VX006926.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX006926.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX006926.D (-713) (-)

Time--> 5.50 5.60 5.70 5.80



#38

Carbon Tetrachloride

Concen: 7.305 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

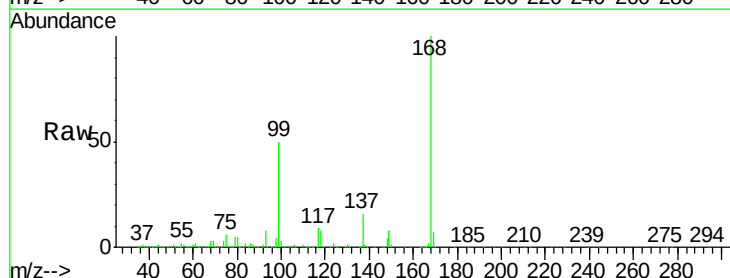
Tgt Ion: 117 Resp: 58684

Ion Ratio Lower Upper

117 100

119 5.4 79.4 119.2#

121 0.0 24.0 36.0#

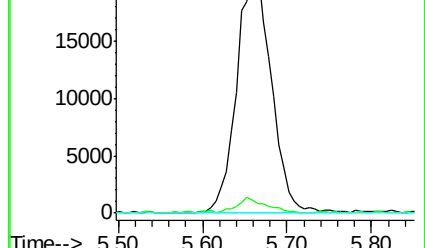
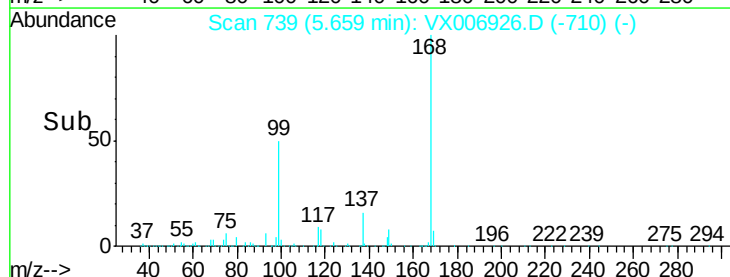


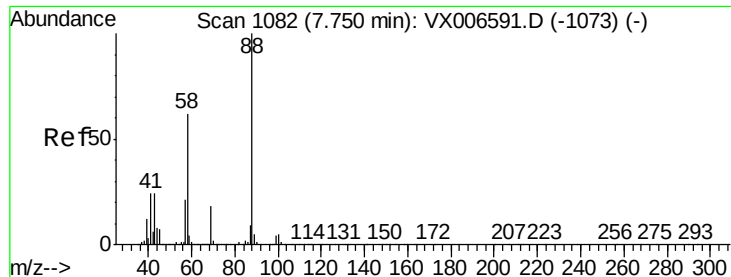
Abundance Ion 116.80 (116.50 to 117.50): VX006926.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006926.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006926.D (-710) (-)

Time--> 5.50 5.60 5.70 5.80

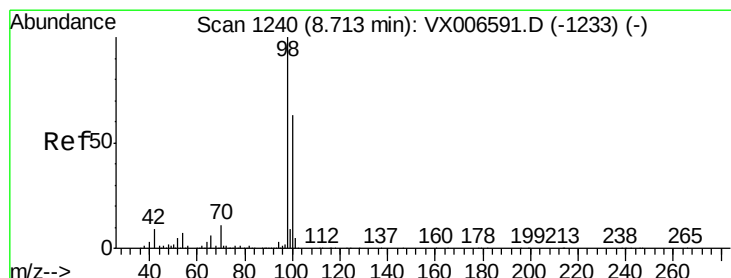
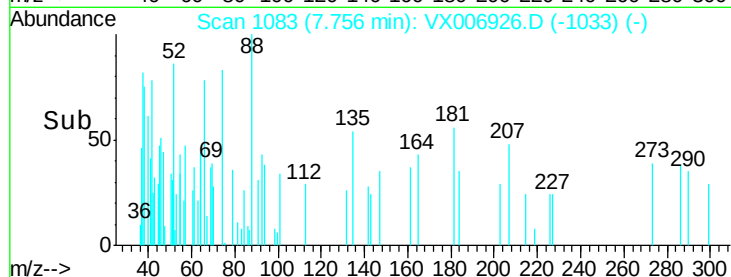
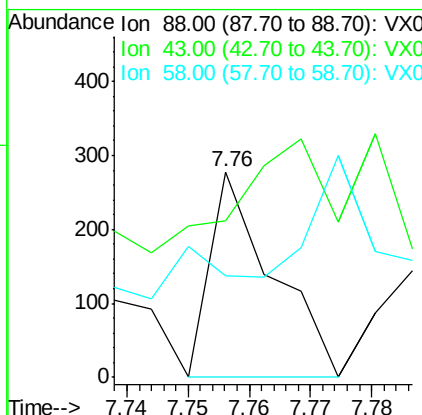
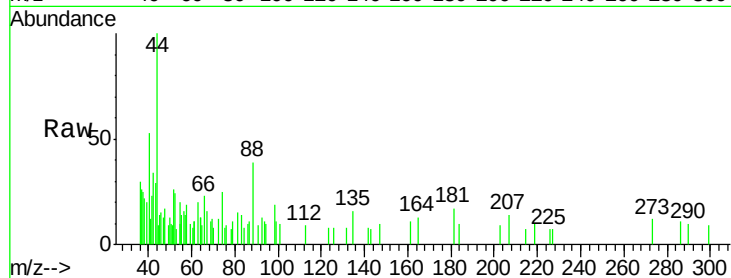




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006926.D
Acq: 07 Jan 2019 11:02

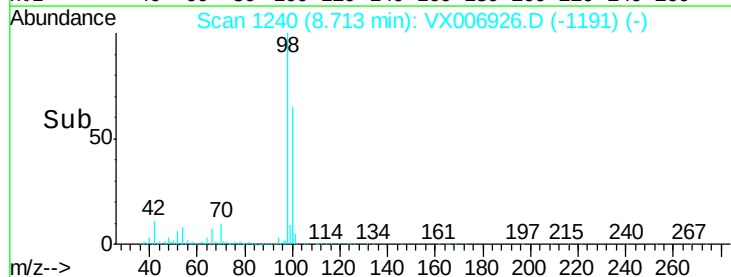
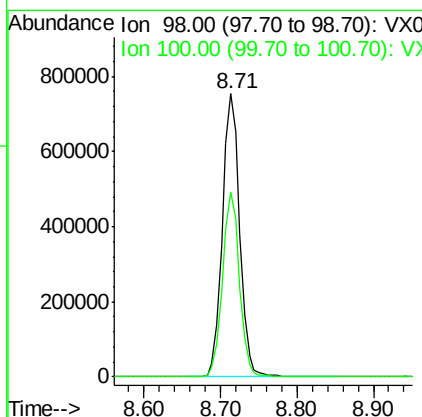
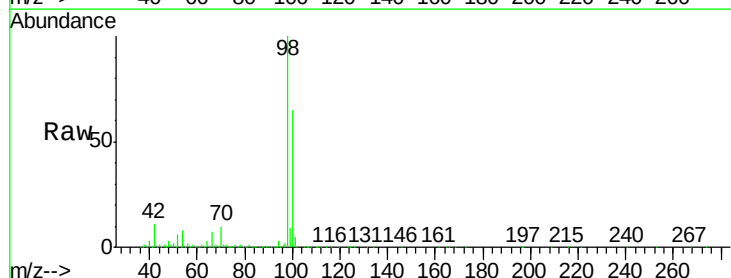
Instrument :
MSVOA_X
ClientSampleId :

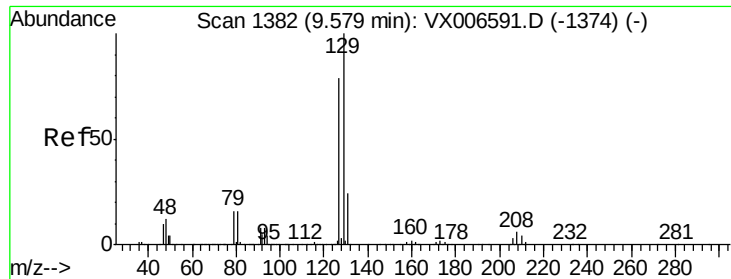
Tot Ion: 88 Resp: 195
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 84.1 51.0 76.4#



#50
Toluene-d8
Concen: 49.548 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006926.D
Acq: 07 Jan 2019 11:02

Tgt Ion: 98 Resp: 1178946
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0





#60

Dibromochloromethane

Concen: 2.342 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

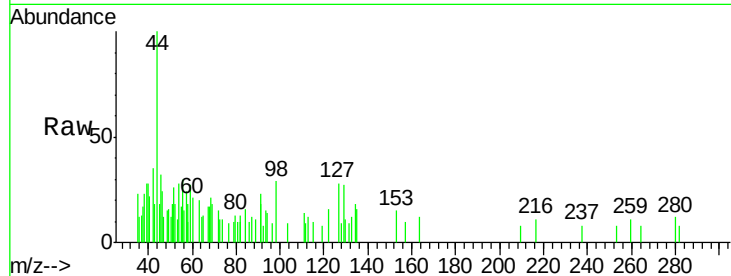
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 133

Ion Ratio Lower Upper

129 100

127 64.7 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

150

100

50

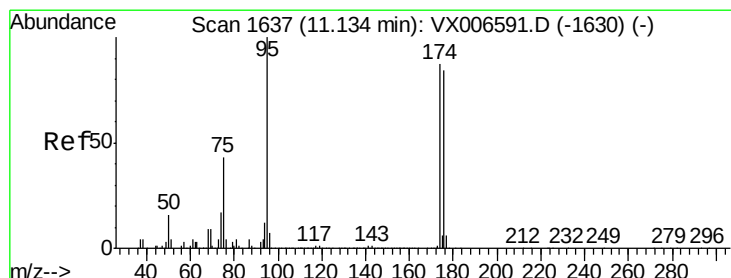
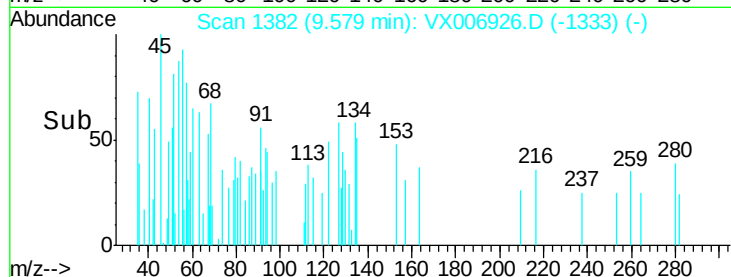
0

9.56

9.58

9.60

Time-->



#62

4-Bromofluorobenzene

Concen: 49.259 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

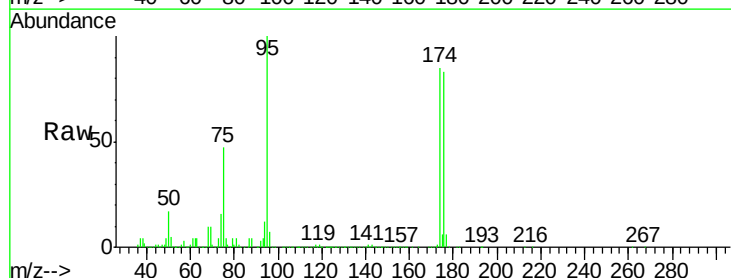
Tgt Ion: 95 Resp: 429265

Ion Ratio Lower Upper

95 100

174 92.4 0.0 182.2

176 90.2 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

400000

300000

200000

100000

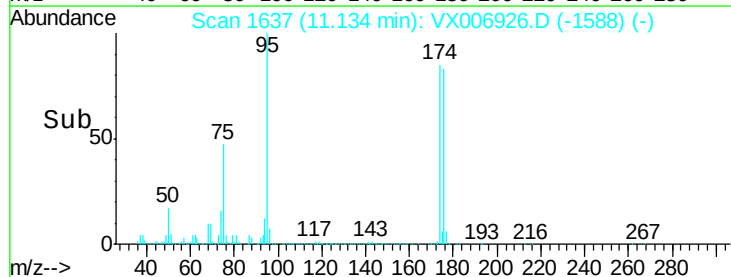
0

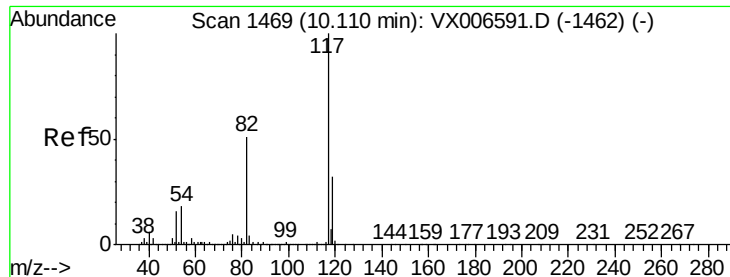
11.10

11.13

11.20

Time-->

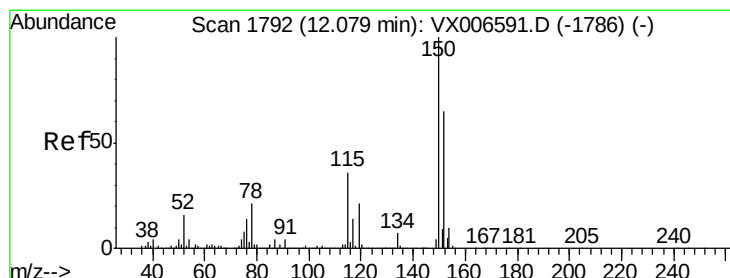
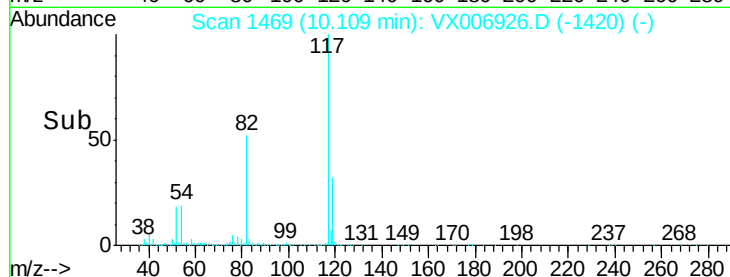
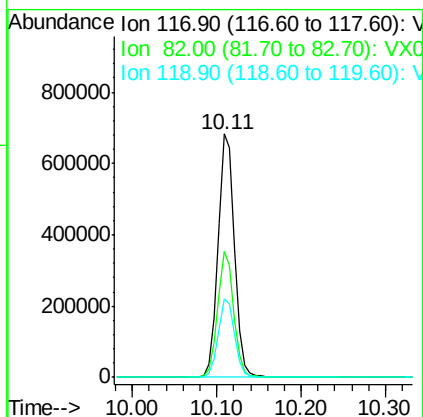
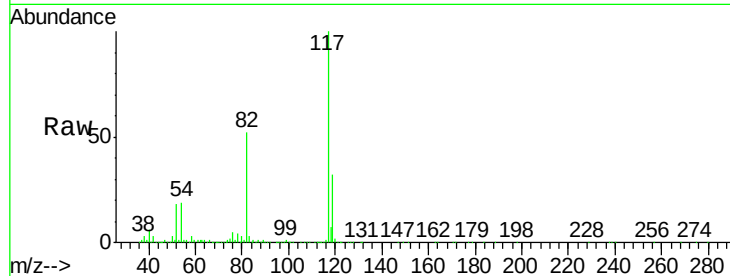




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006926.D
Acq: 07 Jan 2019 11:02

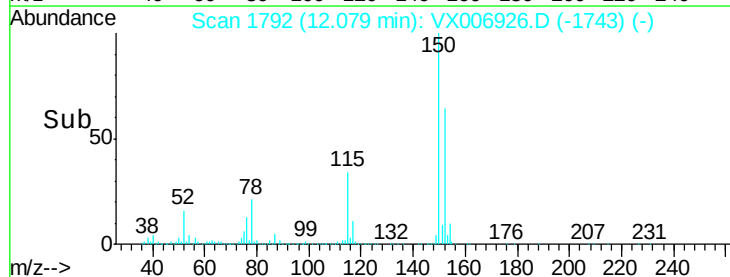
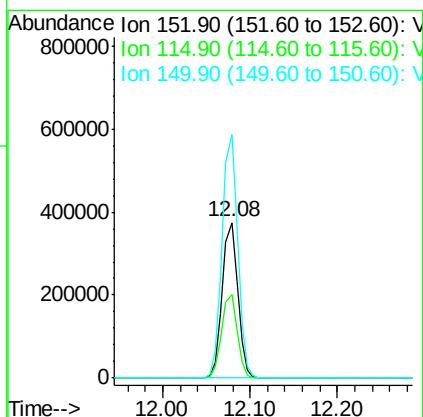
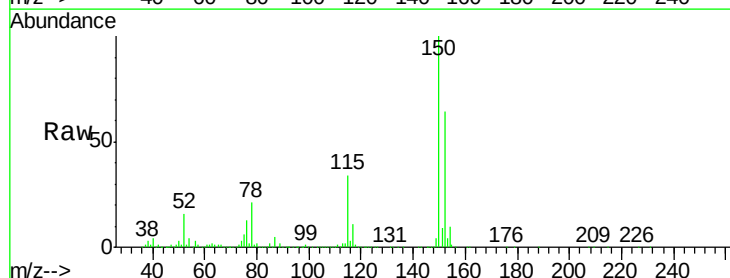
Instrument :
MSVOA_X
ClientSampled :

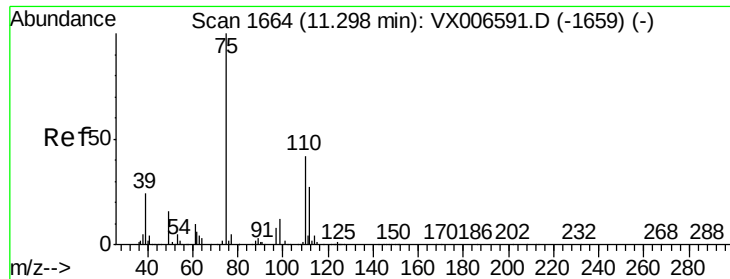
Tot Ion:117 Resp: 925734
Ion Ratio Lower Upper
117 100
82 51.9 41.0 61.6
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006926.D
Acq: 07 Jan 2019 11:02

Tgt Ion:152 Resp: 456844
Ion Ratio Lower Upper
152 100
115 54.1 39.1 117.2
150 157.3 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 23.724 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

Instrument :

MSVOA_X

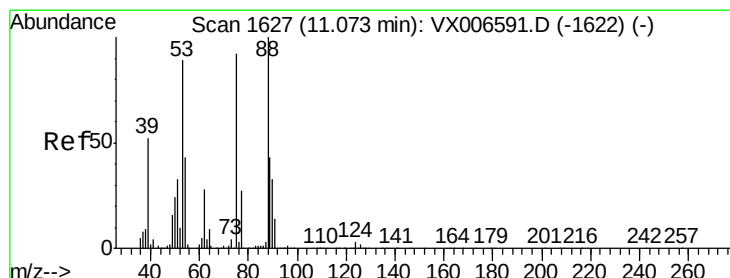
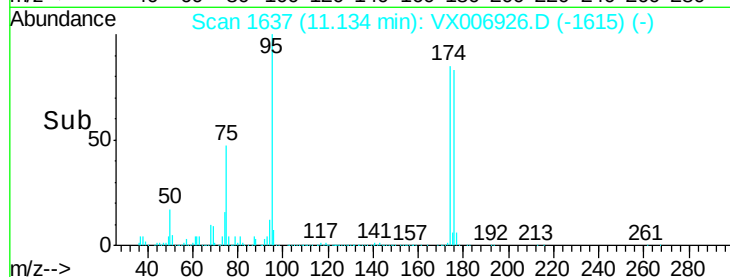
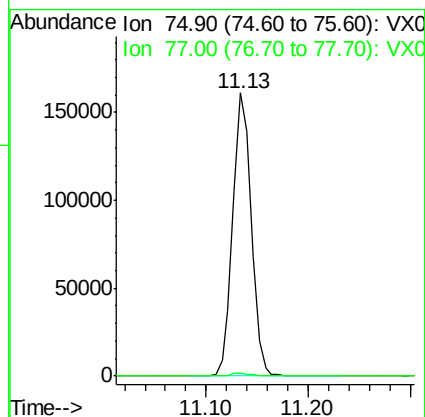
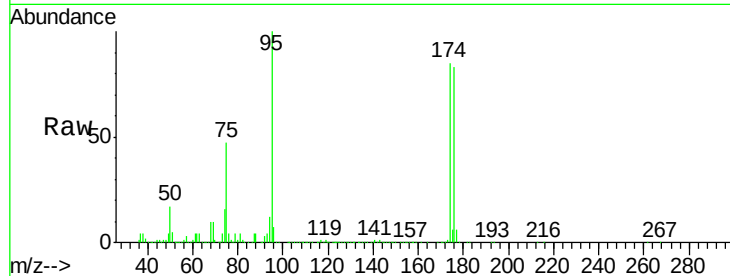
ClientSampleId :

Tot Ion: 75 Resp: 201421

Ion Ratio Lower Upper

75 100

77 1.2 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.321 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

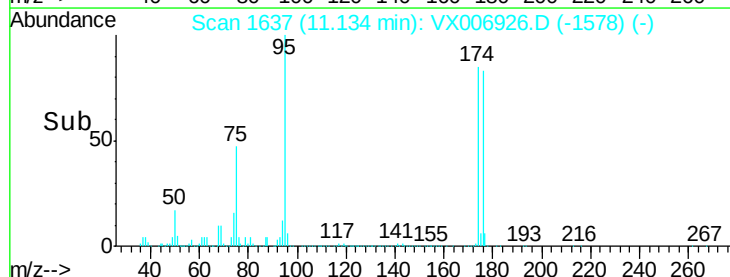
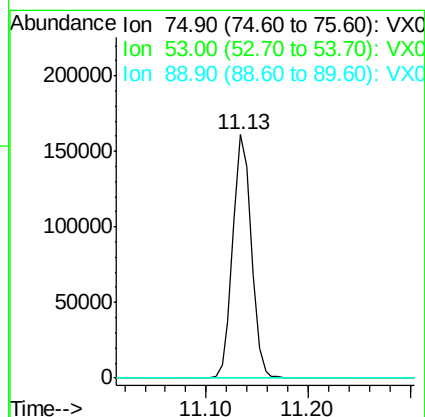
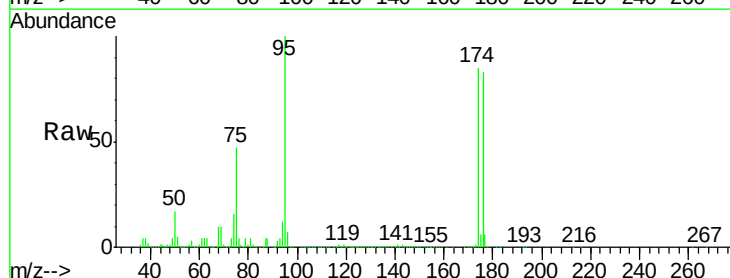
Tgt Ion: 75 Resp: 201421

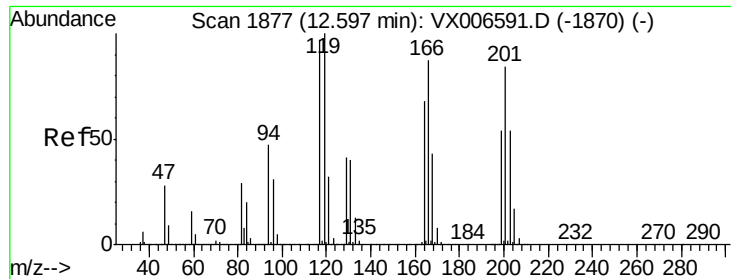
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.311 ug/l

RT: 12.62 min Scan# 1880

Delta R.T. 0.02 min

Lab File: VX006926.D

Acq: 07 Jan 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 85

Ion Ratio Lower Upper

117 100

201 55.3 42.9 128.7

