

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006642.D
 Acq On : 19 Dec 2018 17:38
 Operator : JC/MD
 Sample : J6484-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 04:03:22 2018
 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	5.67	168	596565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	950160	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	847782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	378358	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	333036	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
35) Dibromofluoromethane	5.50	113	287564	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	8.71	98	1113306	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.13	95	386362	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

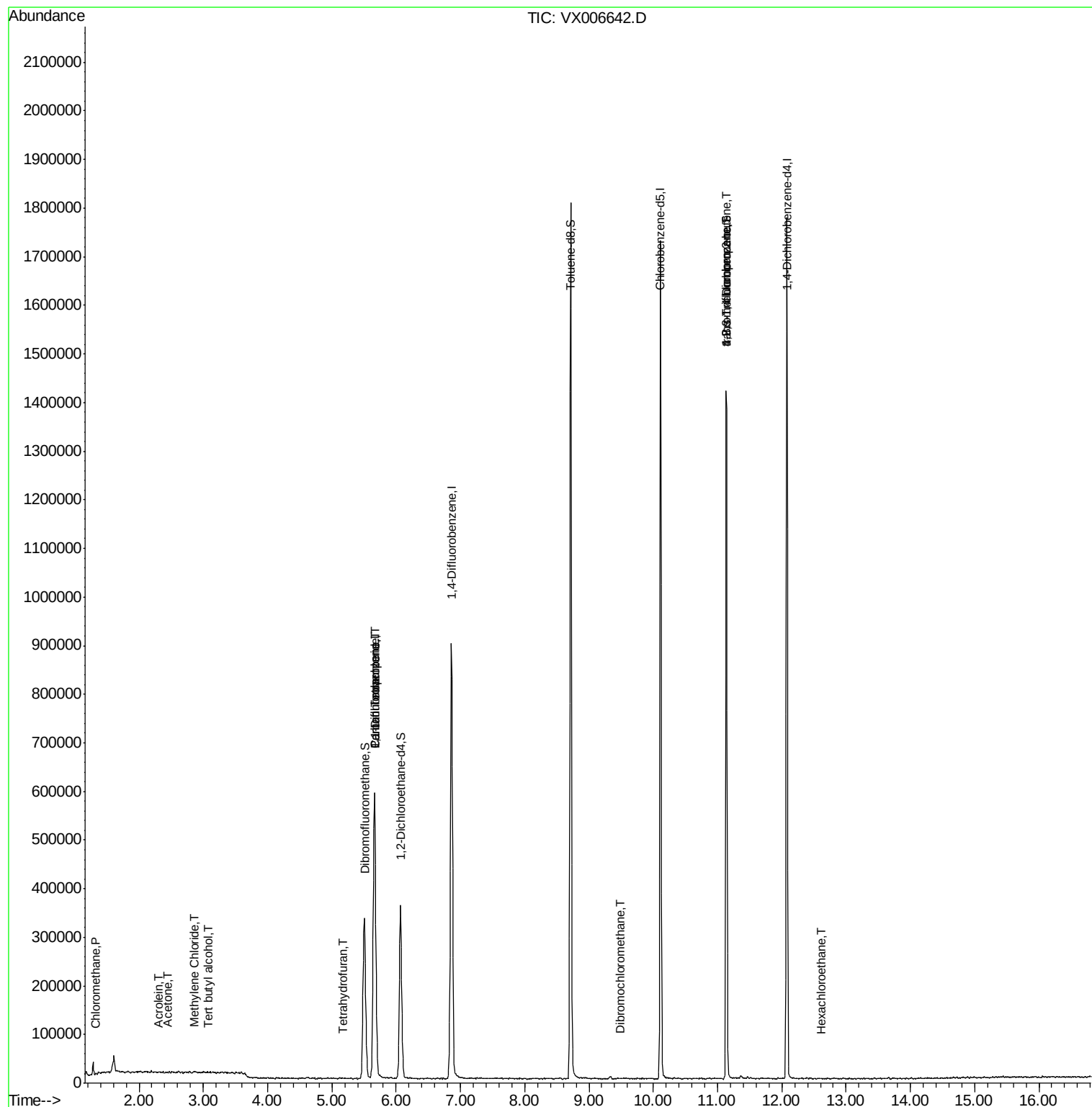
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1183	0.201	ug/l	90
5) Bromomethane	1.65	94	457	Below Cal	#	29
11) Tert butyl alcohol	3.07	59	805	0.561	ug/l #	72
13) Acrolein	2.30	56	219	0.226	ug/l #	13
16) Acetone	2.45	43	2944	0.997	ug/l	98
20) Methylene Chloride	2.86	84	1518	0.249	ug/l #	79
28) Bromochloromethane	5.01	49	255	Below Cal	#	21
29) Tetrahydrofuran	5.17	42	641	0.234	ug/l #	88
36) 1,1-Dichloropropene	5.67	75	40398	5.133	ug/l #	48
38) Carbon Tetrachloride	5.66	117	56609	7.402	ug/l #	16
49) 1,4-Dioxane	7.78	88	168	Below Cal	#	1
60) Dibromochloromethane	9.49	129	97	2.338	ug/l	66
76) 1,2,3-Trichloropropane	11.13	75	184511	26.241	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	184511	77.331	ug/l #	10
90) Hexachloroethane	12.61	117	61	3.309	ug/l	57

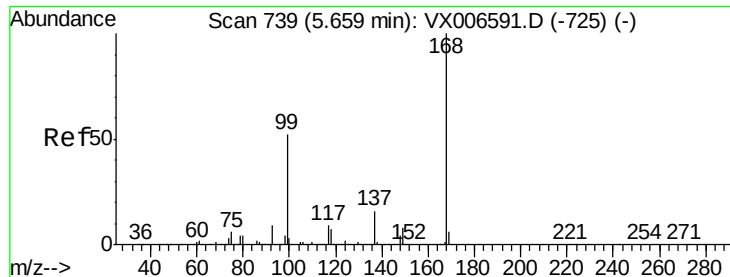
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

Instrument :

MSVOA_X

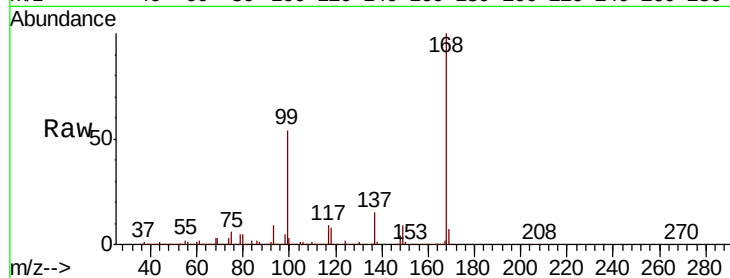
ClientSampled :

Tot Ion:168 Resp: 596565

Ion Ratio Lower Upper

168 100

99 54.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

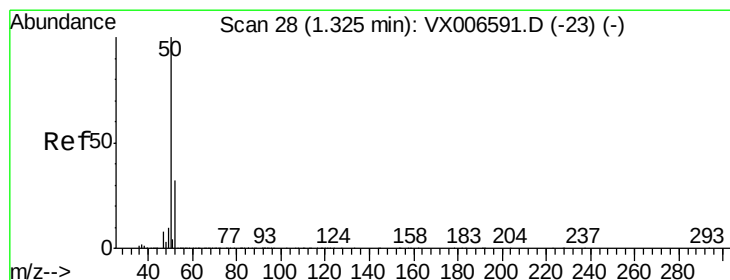
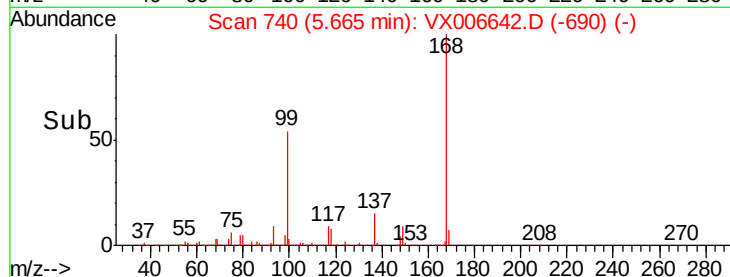
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006642.D

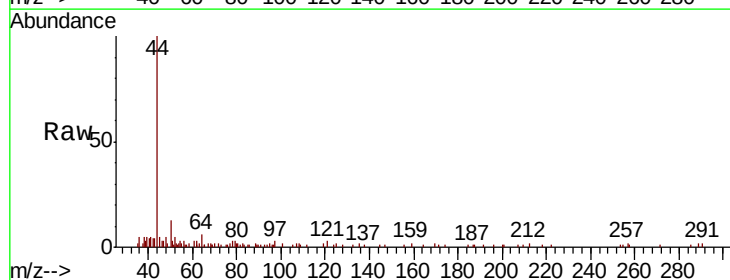
Acq: 19 Dec 2018 17:38

Tgt Ion: 50 Resp: 1183

Ion Ratio Lower Upper

50 100

52 37.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

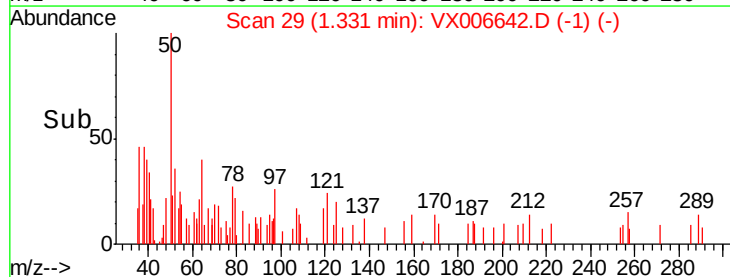
600

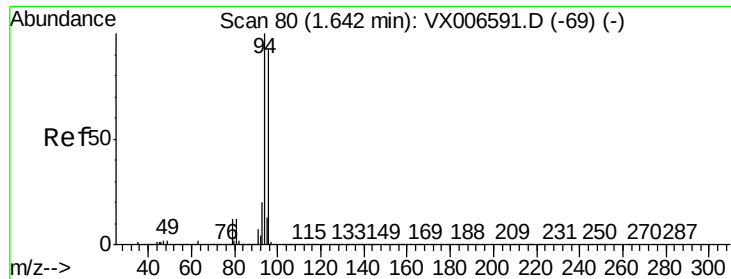
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

Instrument :

MSVOA_X

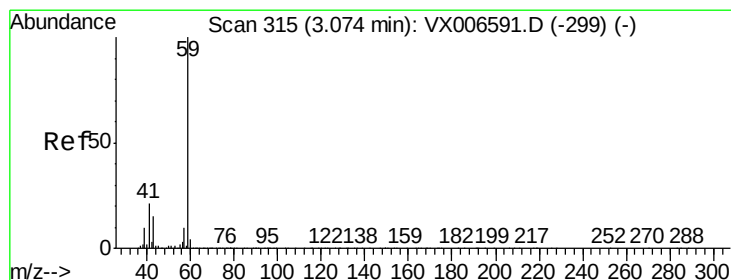
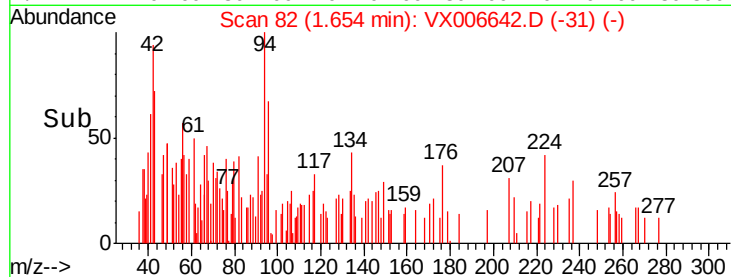
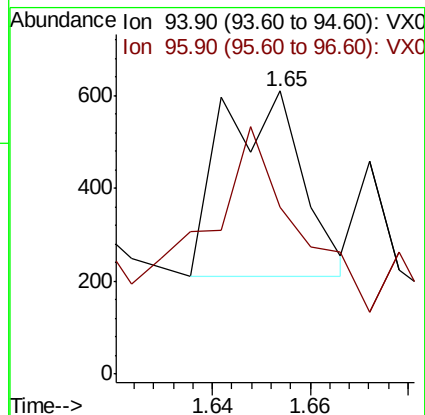
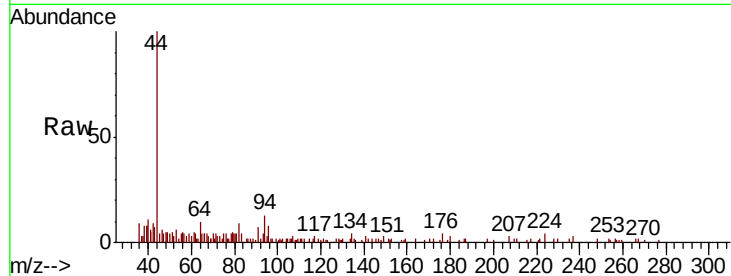
ClientSampleId :

Tot Ion: 94 Resp: 457

Ion Ratio Lower Upper

94 100

96 24.3 73.4 110.2#



#11

Tert butyl alcohol

Concen: 0.561 ug/l

RT: 3.07 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX006642.D

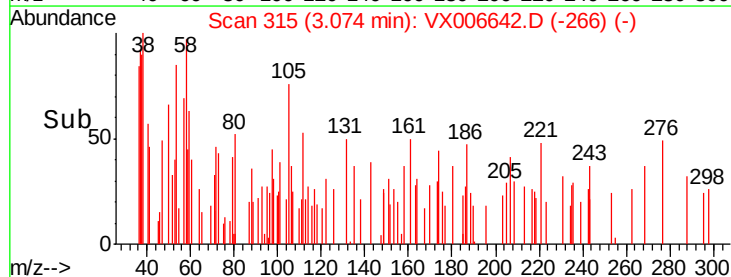
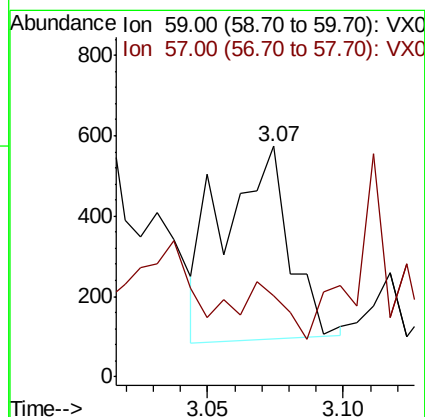
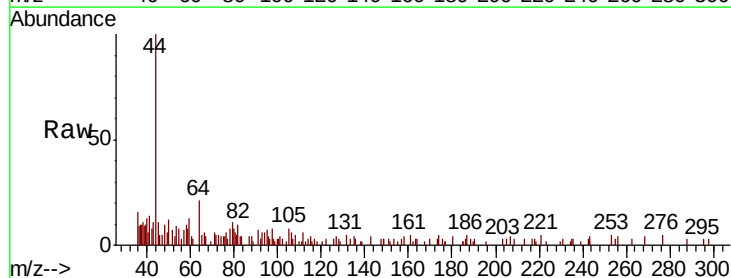
Acq: 19 Dec 2018 17:38

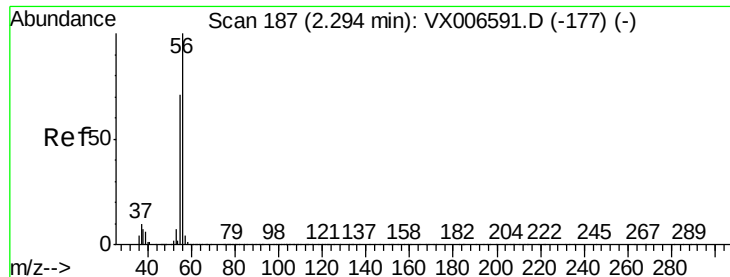
Tgt Ion: 59 Resp: 805

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.226 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

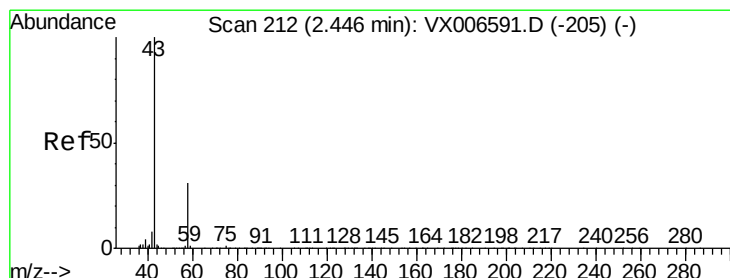
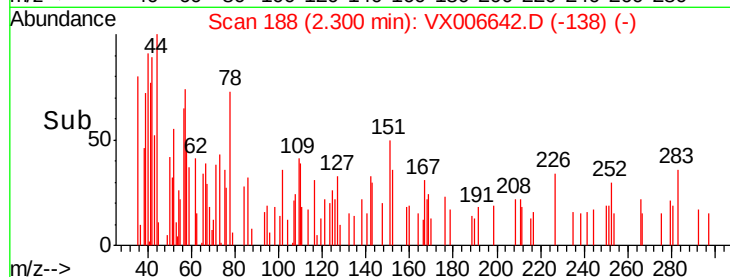
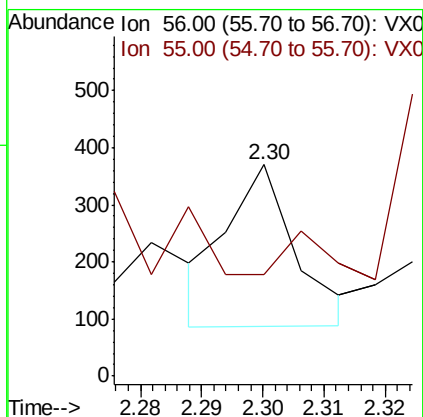
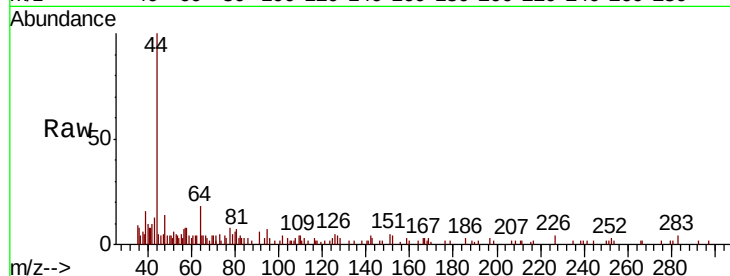
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 219

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 0.997 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006642.D

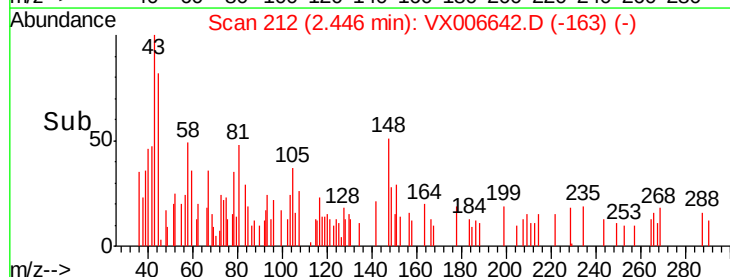
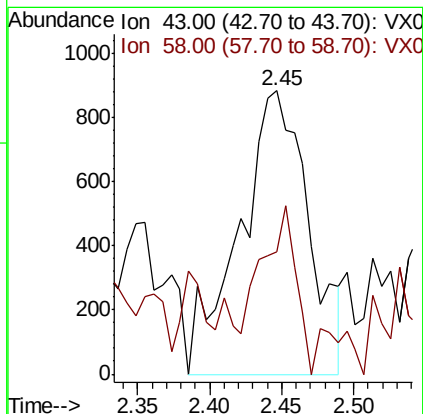
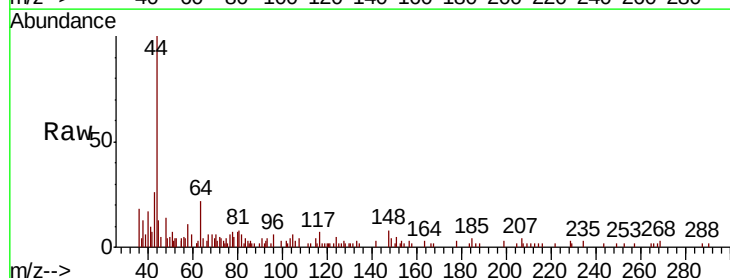
Acq: 19 Dec 2018 17:38

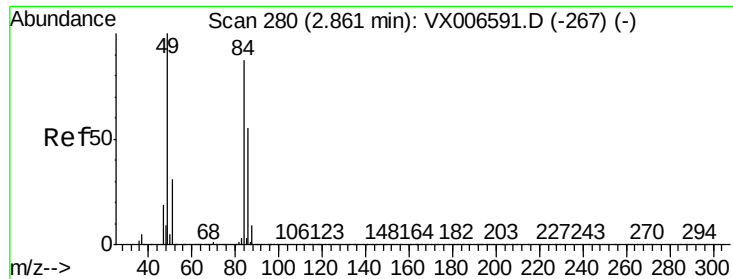
Tgt Ion: 43 Resp: 2944

Ion Ratio Lower Upper

43 100

58 32.2 25.0 37.6

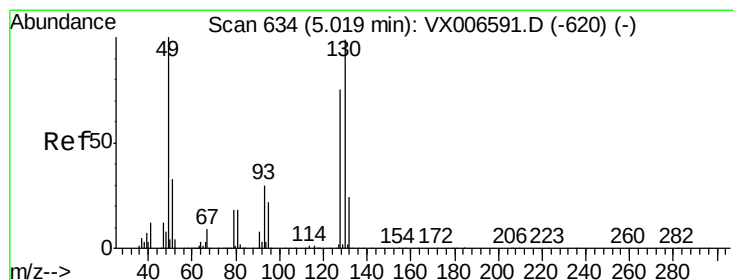
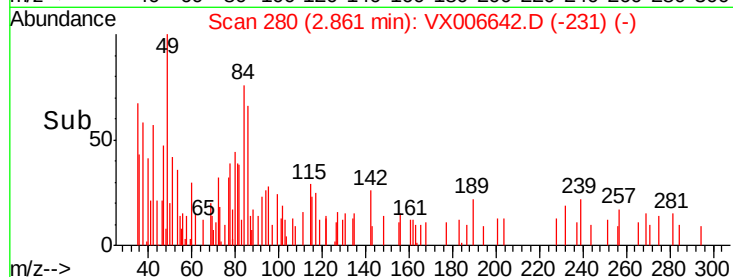
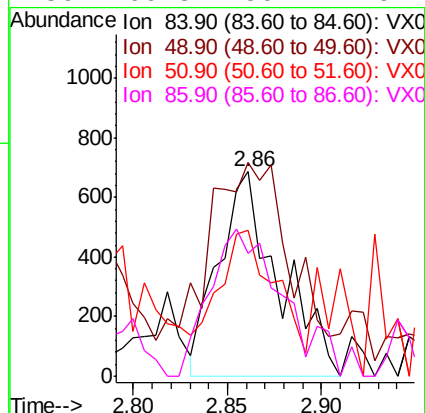
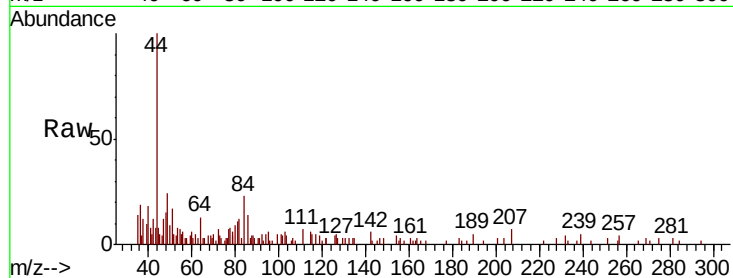




#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006642.D
Acq: 19 Dec 2018 17:38

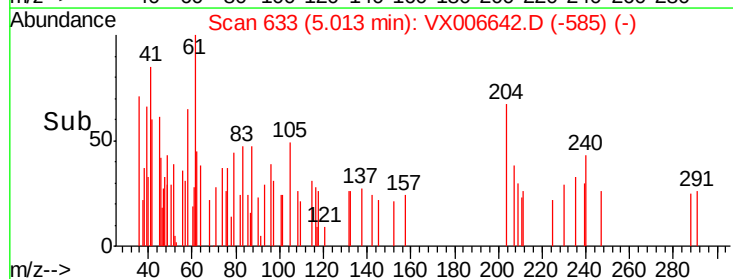
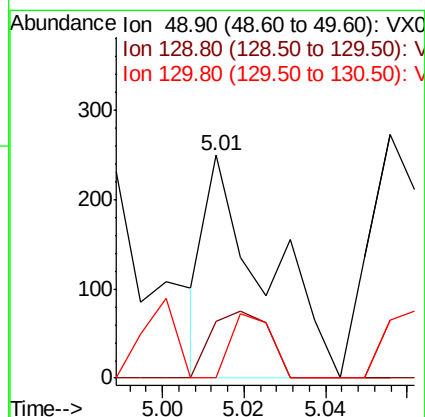
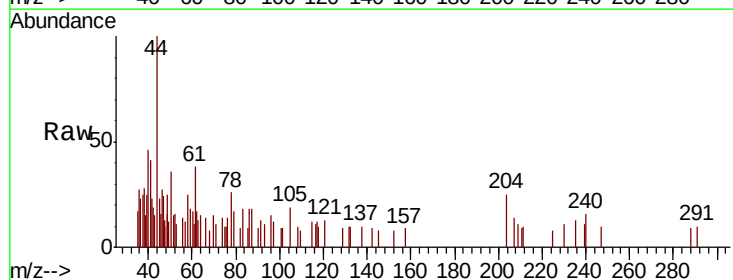
Instrument :
MSVOA_X
ClientSampled :

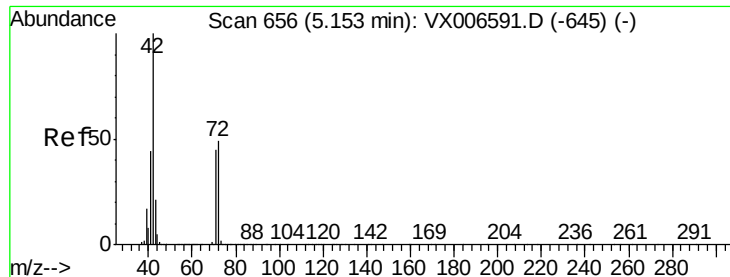
Tot Ion: 84 Resp: 1518
Ion Ratio Lower Upper
84 100
49 83.7 91.8 137.6#
51 51.3 28.5 42.7#
86 60.3 50.2 75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006642.D
Acq: 19 Dec 2018 17:38

Tgt Ion: 49 Resp: 255
Ion Ratio Lower Upper
49 100
129 29.0 0.0 5.4#
130 19.2 77.7 116.5#

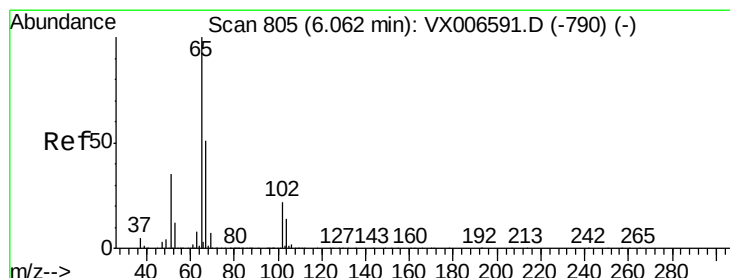
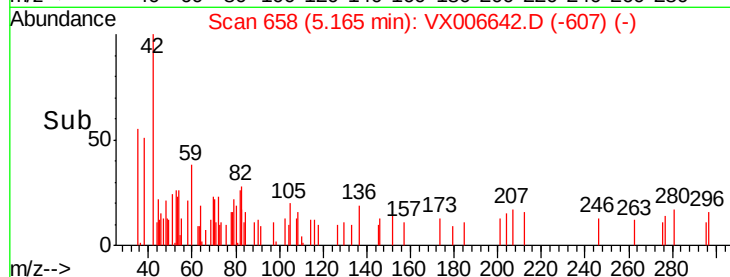
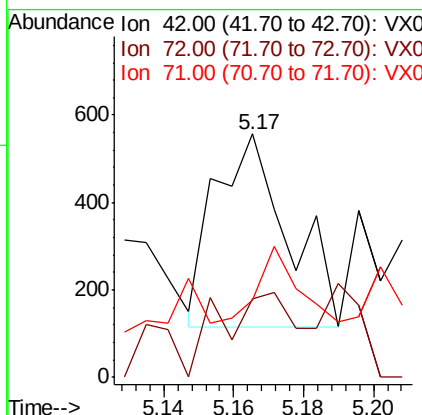
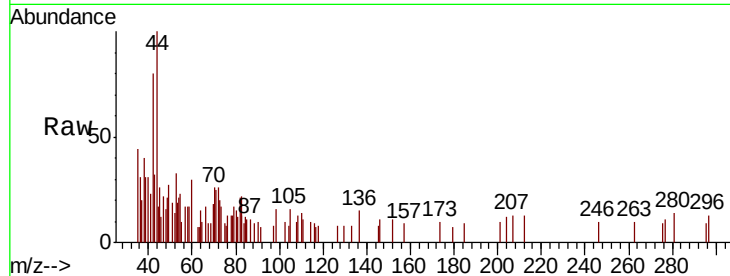




#29
Tetrahydrofuran
Concen: 0.234 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX006642.D
Acq: 19 Dec 2018 17:38

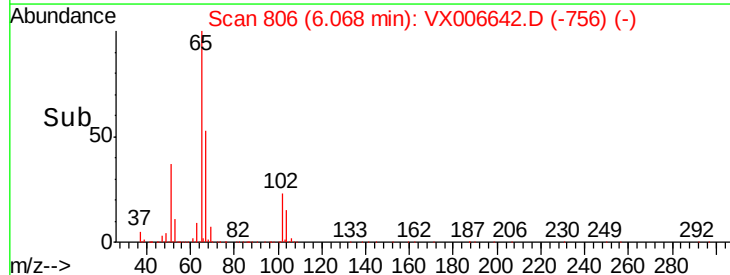
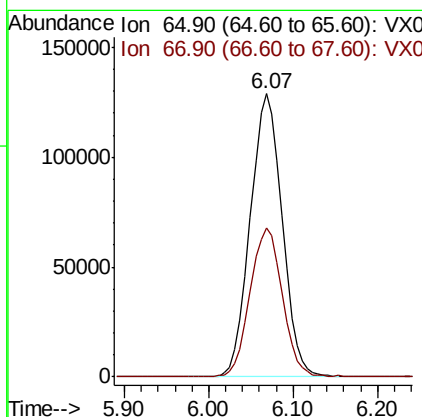
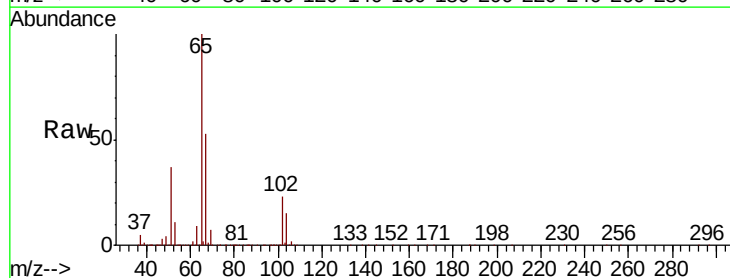
Instrument :
MSVOA_X
ClientSampled :

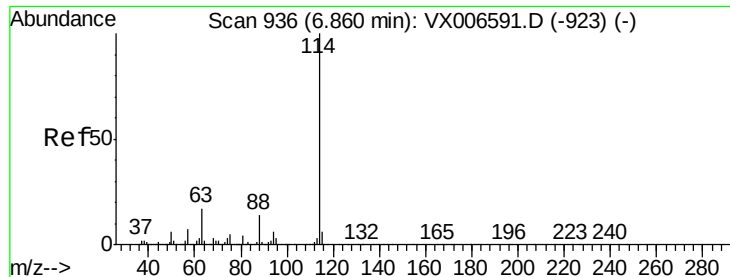
Tot Ion: 42 Resp: 641
Ion Ratio Lower Upper
42 100
72 43.1 38.9 58.3
71 55.7 36.2 54.4#



#33
1,2-Dichloroethane-d4
Concen: 51.798 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006642.D
Acq: 19 Dec 2018 17:38

Tgt Ion: 65 Resp: 333036
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

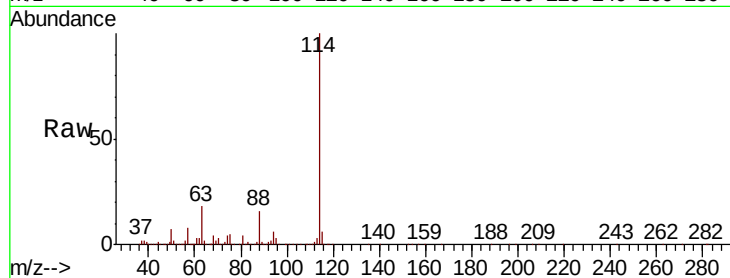
Tot Ion:114 Resp: 950160

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

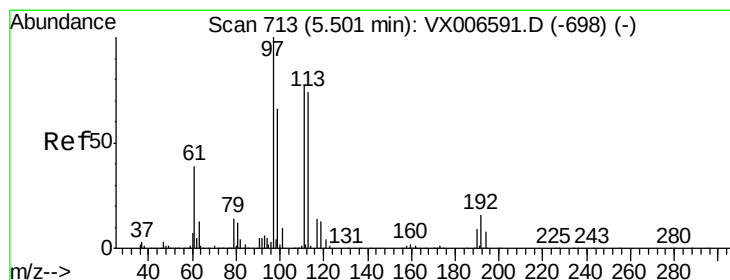
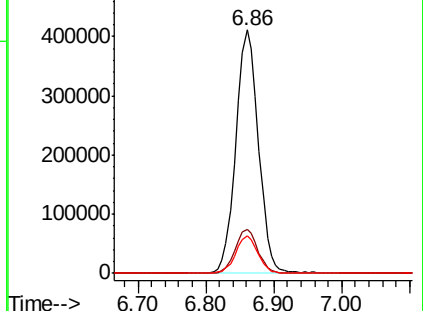
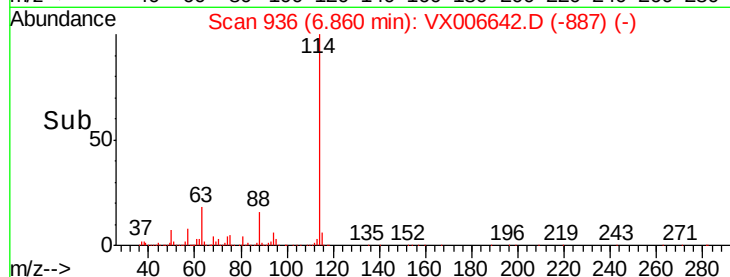
88 15.5 0.0 28.8



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: 47.858 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

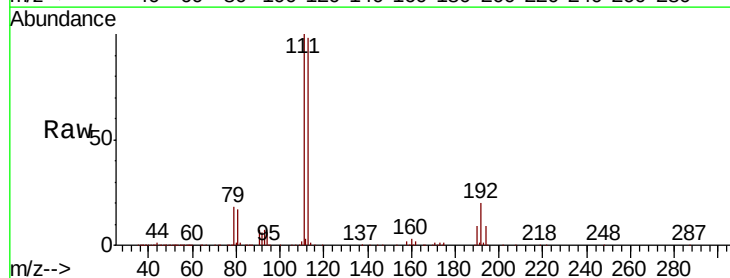
Tgt Ion:113 Resp: 287564

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

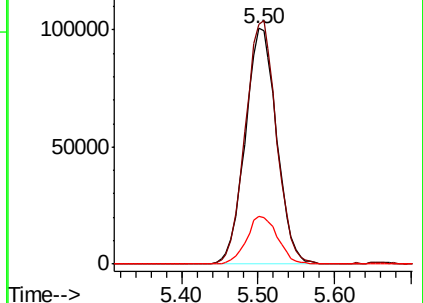
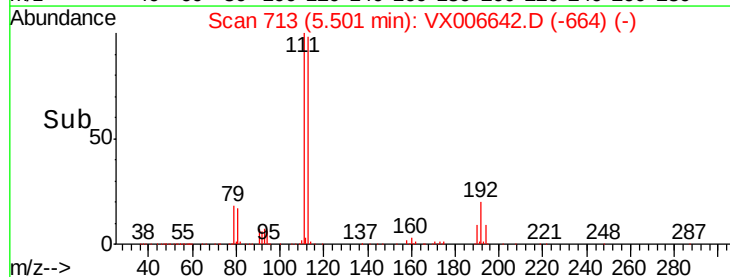
192 20.3 16.7 25.1

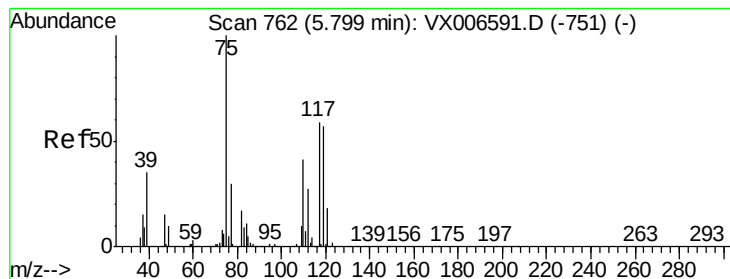


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.133 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

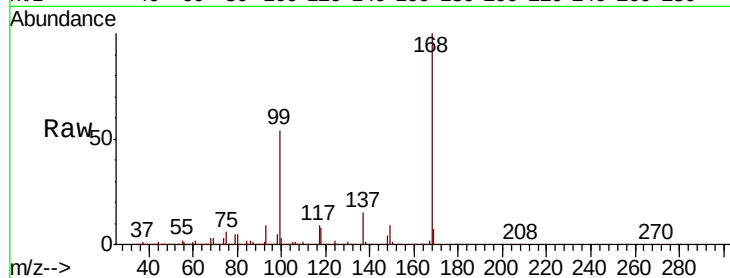
Tot Ion: 75 Resp: 40398

Ion Ratio Lower Upper

75 100

110 9.7 20.2 60.5#

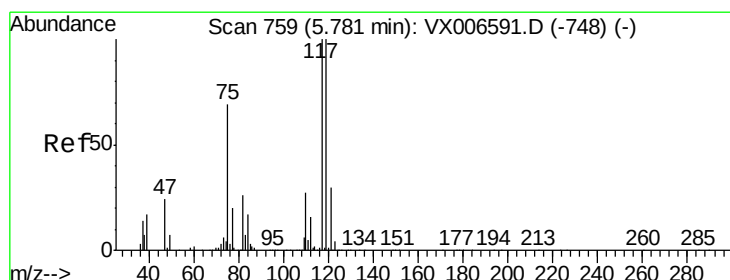
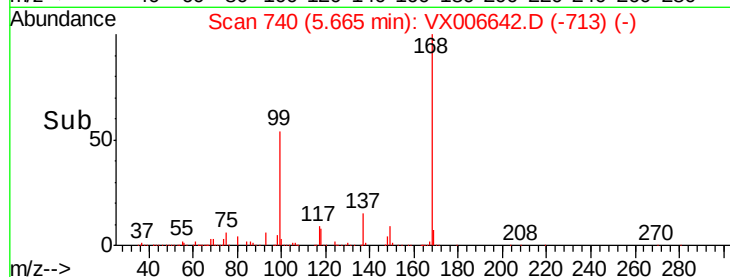
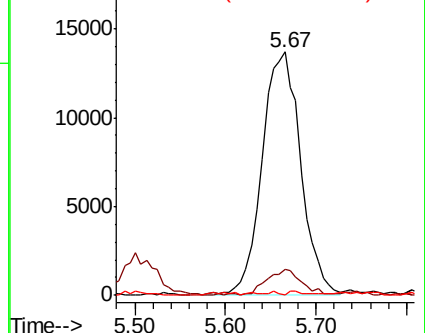
77 0.7 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX006642.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX006642.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX006642.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 7.402 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

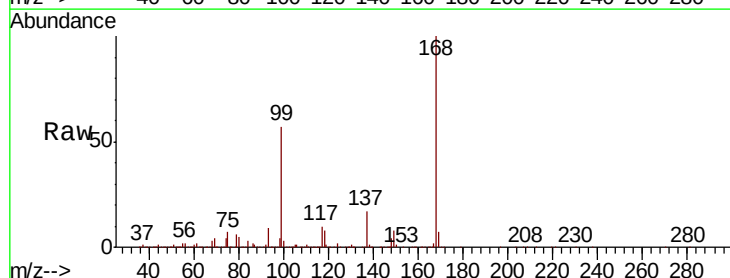
Tgt Ion: 117 Resp: 56609

Ion Ratio Lower Upper

117 100

119 6.9 79.4 119.2#

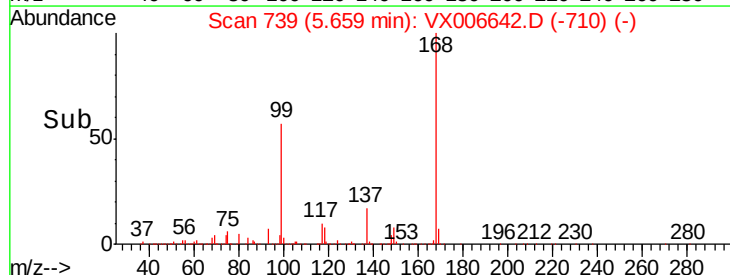
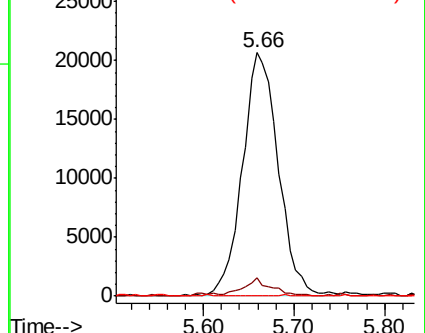
121 0.1 24.0 36.0#

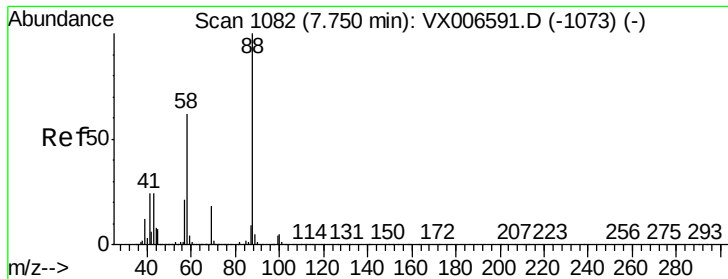


Abundance Ion 116.80 (116.50 to 117.50): VX006642.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006642.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006642.D (-710) (-)

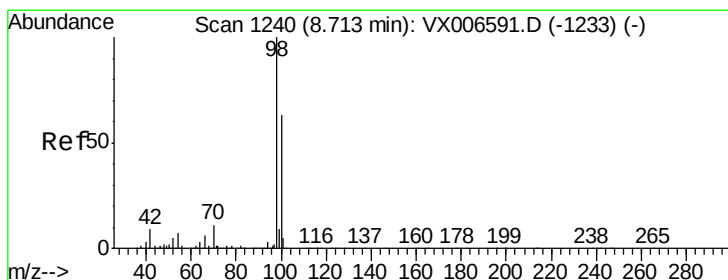
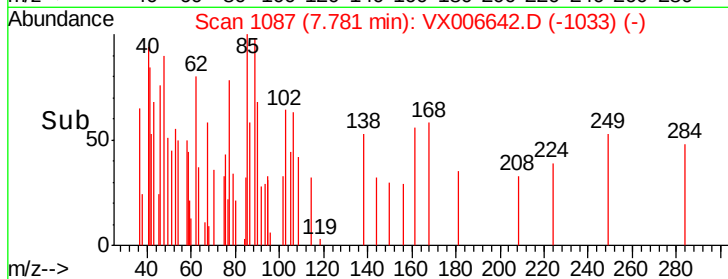
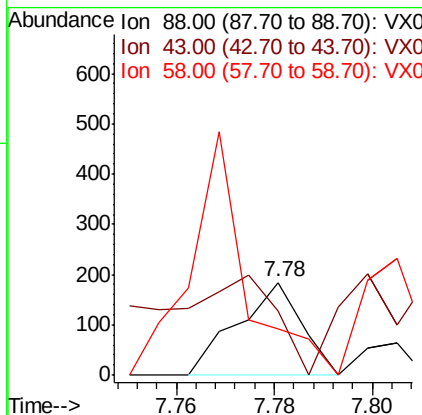
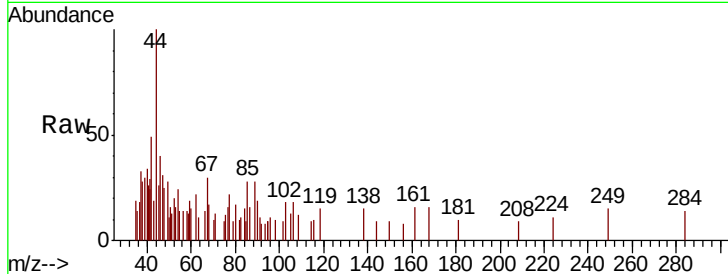




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.78 min Scan# 1087
Delta R.T. 0.03 min
Lab File: VX006642.D
Acq: 19 Dec 2018 17:38

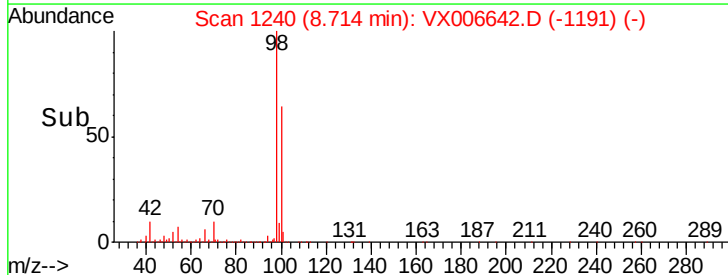
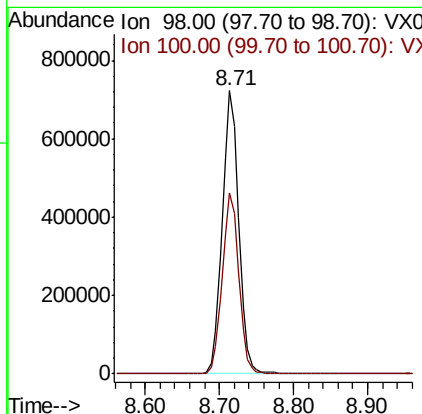
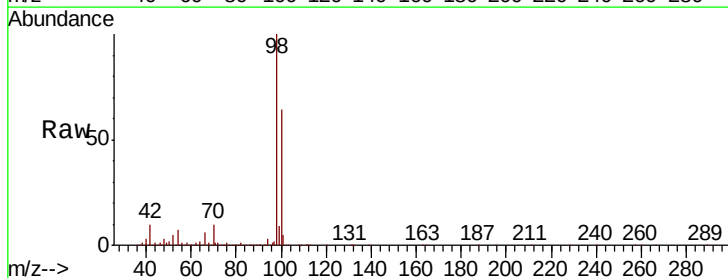
Instrument :
MSVOA_X
ClientSampled :

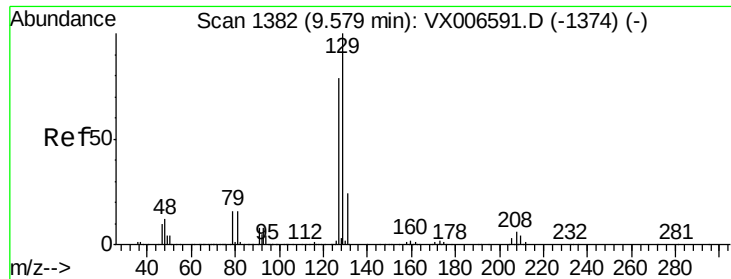
Tot Ion: 88 Resp: 168
Ion Ratio Lower Upper
88 100
43 136.3 22.2 33.4#
58 225.6 51.0 76.4#



#50
Toluene-d8
Concen: 49.147 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006642.D
Acq: 19 Dec 2018 17:38

Tgt Ion: 98 Resp: 1113306
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0





#60

Dibromochloromethane

Concen: 2.338 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.09 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

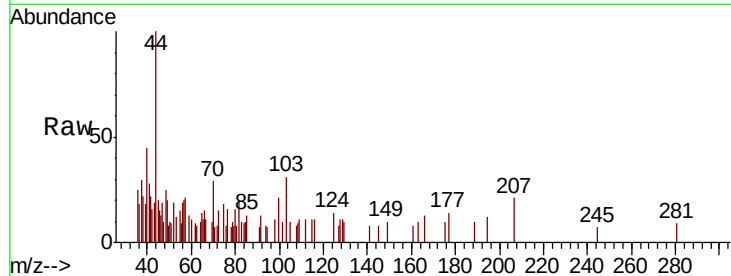
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 97

Ion Ratio Lower Upper

129 100

127 48.5 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.49

150

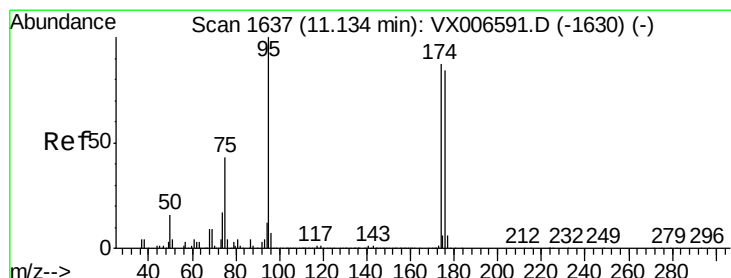
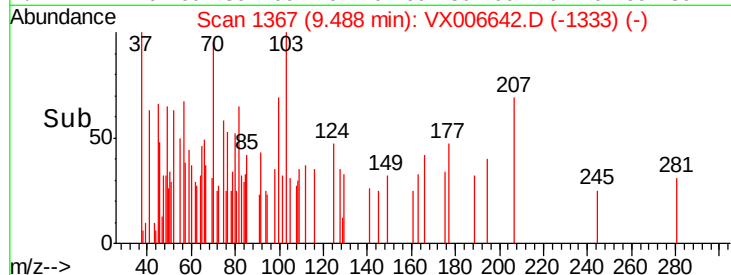
100

50

0

9.46 9.48 9.50

Time-->



#62

4-Bromofluorobenzene

Concen: 46.570 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

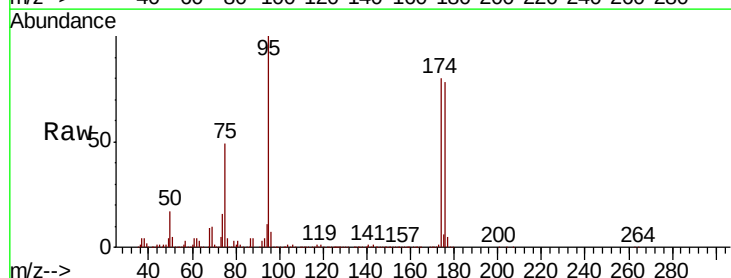
Tgt Ion: 95 Resp: 386362

Ion Ratio Lower Upper

95 100

174 85.0 0.0 182.2

176 83.1 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

400000

300000

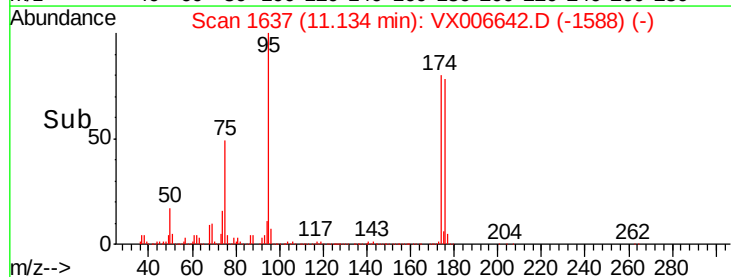
200000

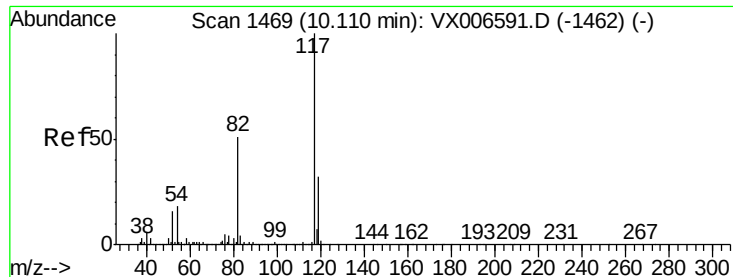
100000

0

11.05 11.10 11.15 11.20

Time-->

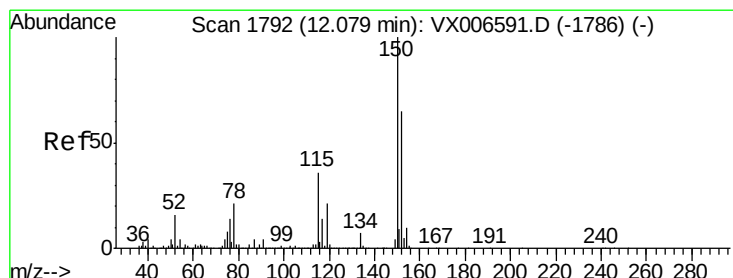
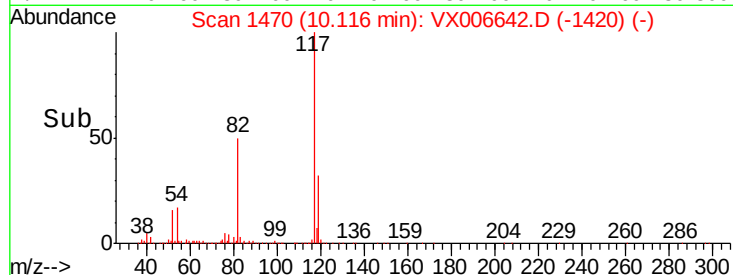
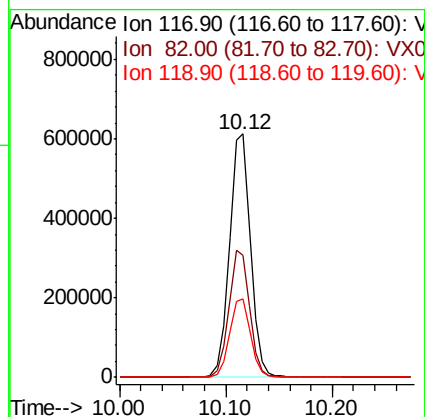
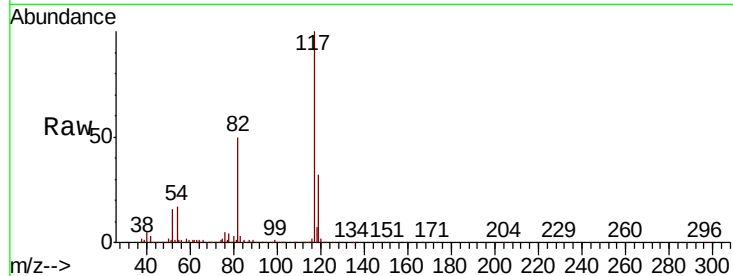




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006642.D
Acq: 19 Dec 2018 17:38

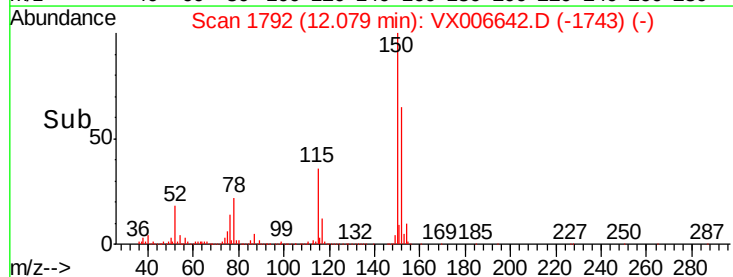
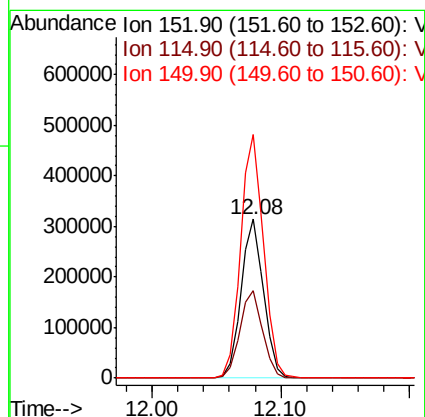
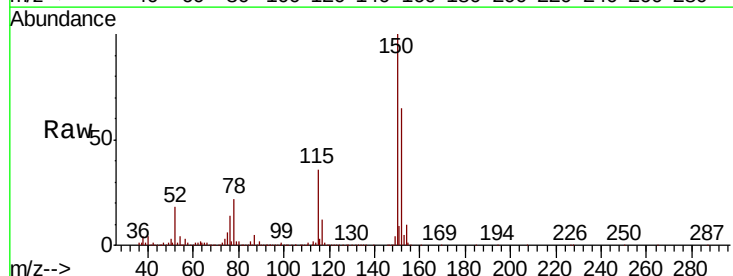
Instrument :
MSVOA_X
ClientSampleId :

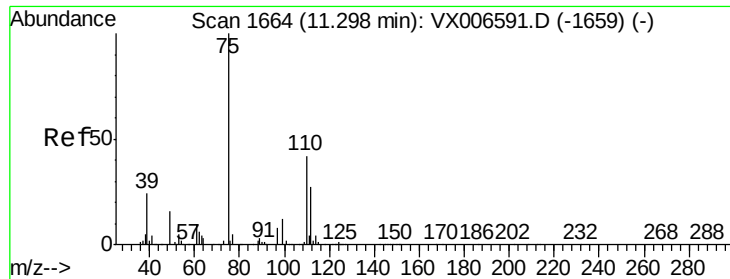
Tot Ion:117 Resp: 847782
Ion Ratio Lower Upper
117 100
82 49.9 41.0 61.6
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006642.D
Acq: 19 Dec 2018 17:38

Tgt Ion:152 Resp: 378358
Ion Ratio Lower Upper
152 100
115 56.3 39.1 117.2
150 156.0 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 26.241 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

Instrument :

MSVOA_X

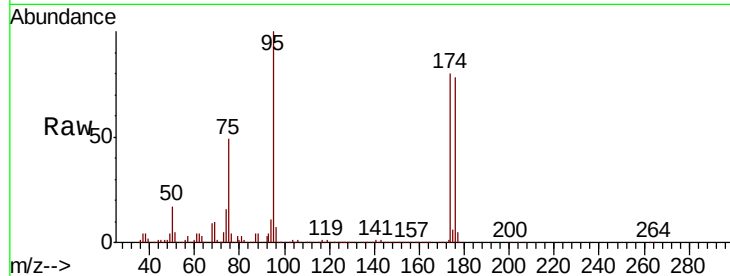
ClientSampleId :

Tot Ion: 75 Resp: 184511

Ion Ratio Lower Upper

75 100

77 1.1 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

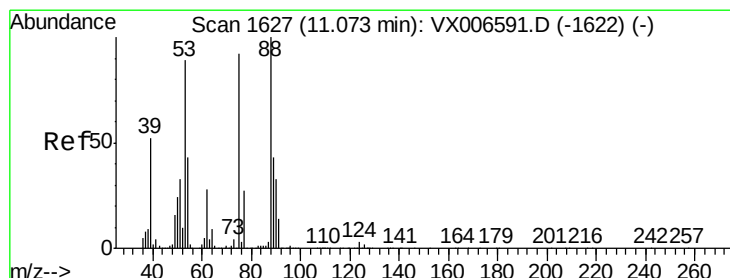
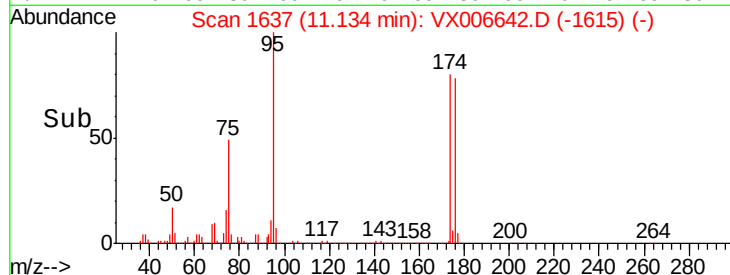
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 77.331 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

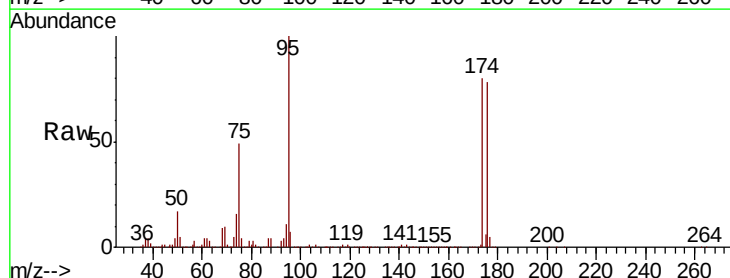
Tgt Ion: 75 Resp: 184511

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

200000

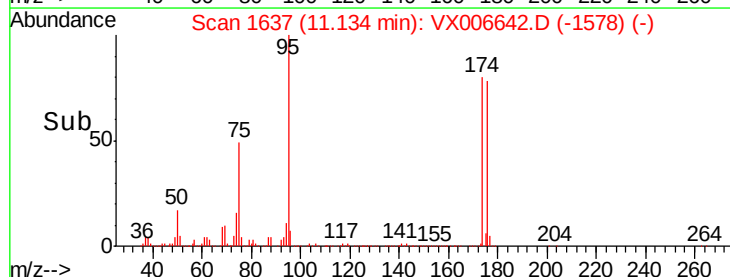
150000

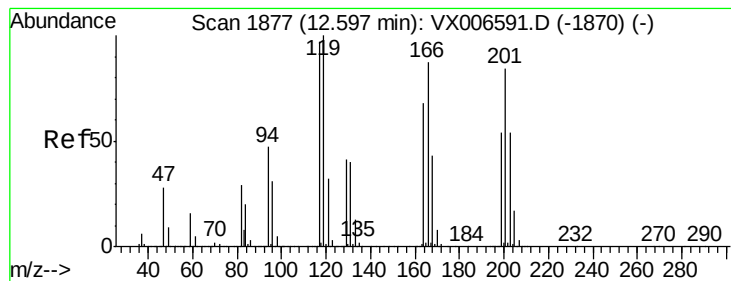
100000

50000

0

Time--> 11.00 11.10 11.20





#90

Hexachloroethane

Concen: 3.309 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX006642.D

Acq: 19 Dec 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 61

Ion Ratio Lower Upper

117 100

201 45.9 42.9 128.7

