

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006581.D
 Acq On : 17 Dec 2018 18:59
 Operator : JC/MD
 Sample : J6408-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 18 00:41:52 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	666223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1059546	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	983819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	461120	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	370607	54.49	ug/l	0.00
Spiked Amount			Recovery	=	108.98%	
35) Dibromofluoromethane	5.51	113	319807	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
50) Toluene-d8	8.71	98	1275197	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.13	95	465907	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	

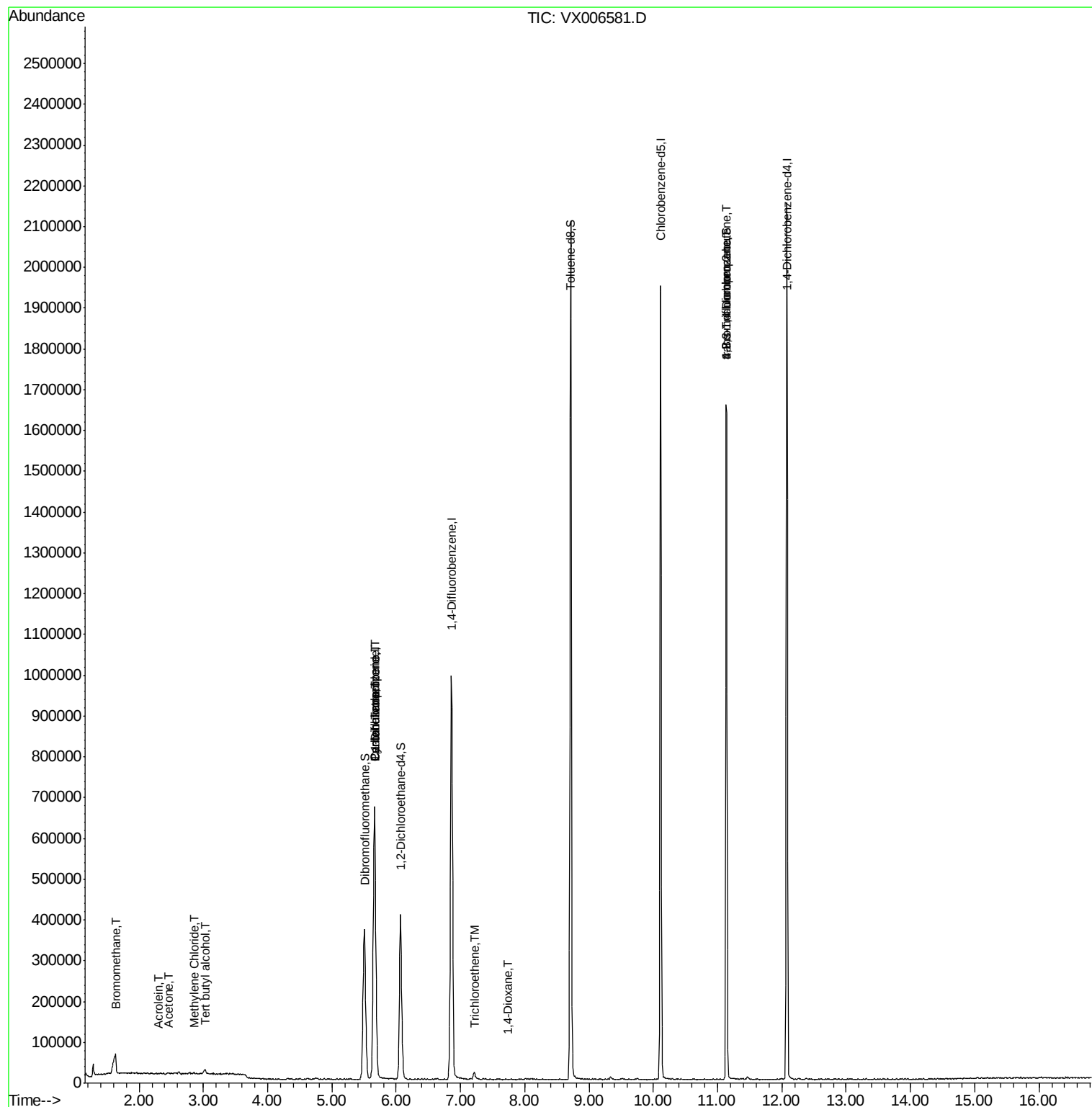
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1282	0.256	ug/l #	51
11) Tert butyl alcohol	3.03	59	7299	3.924	ug/l #	81
13) Acrolein	2.31	56	401	0.394	ug/l #	73
16) Acetone	2.45	43	2334	0.731	ug/l	94
20) Methylene Chloride	2.86	84	1917	0.282	ug/l #	64
31) Cyclohexane	5.66	56	11786	1.200	ug/l #	6
36) 1,1-Dichloropropene	5.67	75	44007	4.932	ug/l #	47
38) Carbon Tetrachloride	5.67	117	64936	6.186	ug/l #	17
44) Trichloroethene	7.21	130	7408	0.915	ug/l	93
49) 1,4-Dioxane	7.74	88	256	1.282	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	216428	24.317	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	216428	57.065	ug/l #	15

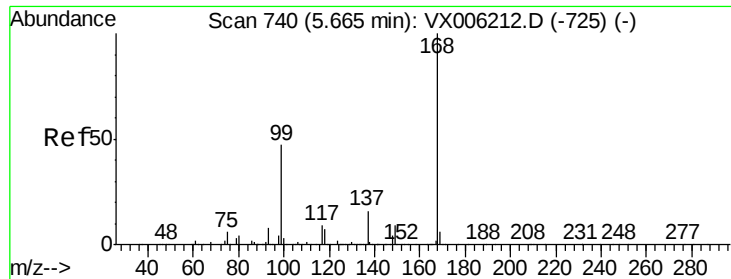
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

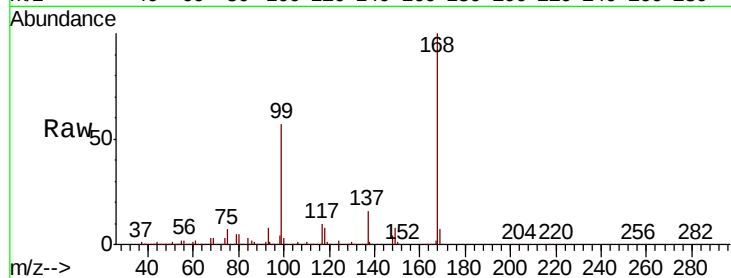
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 666223

Ion Ratio Lower Upper

168 100

99 56.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

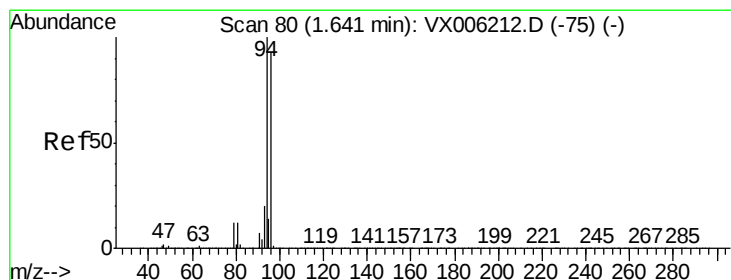
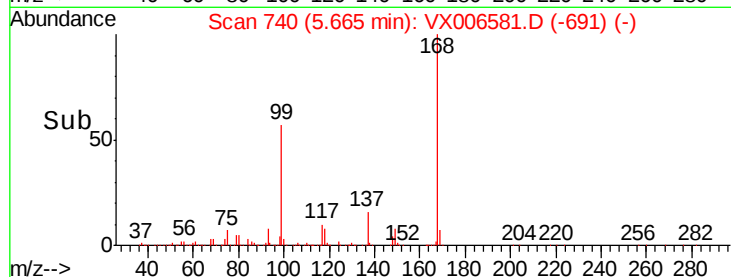
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006581.D

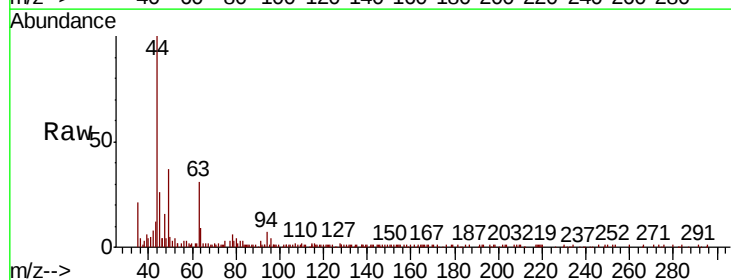
Acq: 17 Dec 2018 18:59

Tgt Ion: 94 Resp: 1282

Ion Ratio Lower Upper

94 100

96 46.3 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

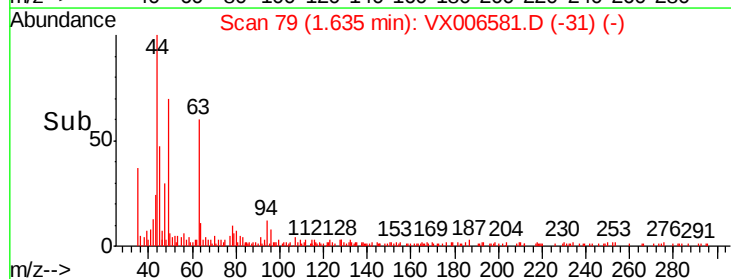
400

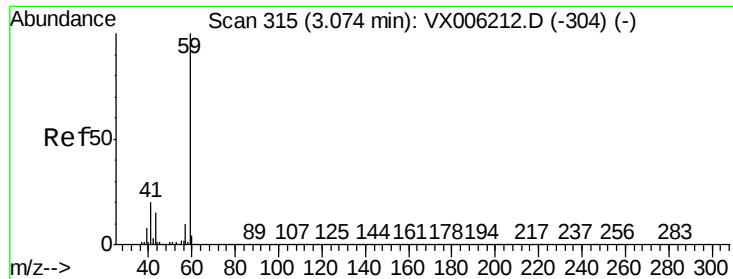
200

0

1.60 1.65 1.70

Time-->

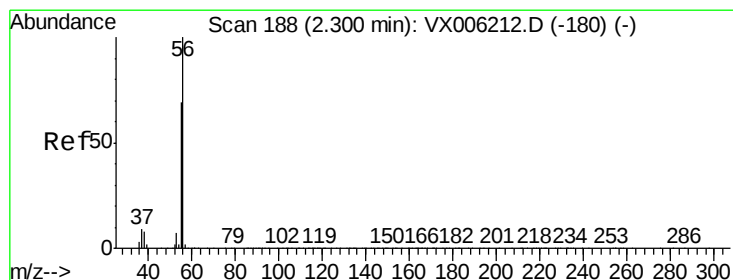
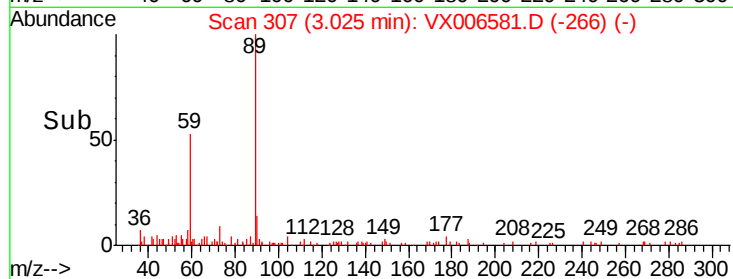
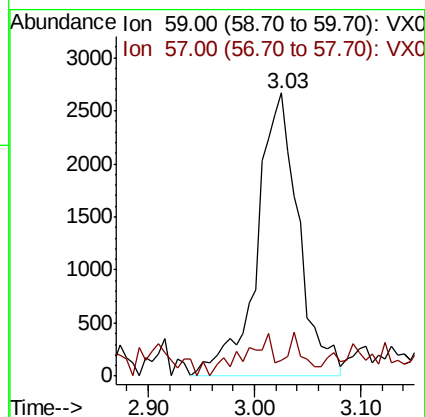
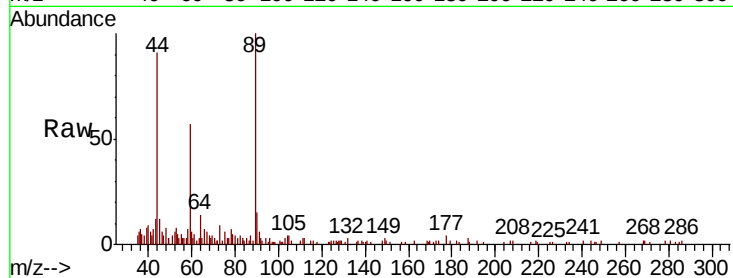




#11
Tert butyl alcohol
Concen: 3.924 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006581.D
Acq: 17 Dec 2018 18:59

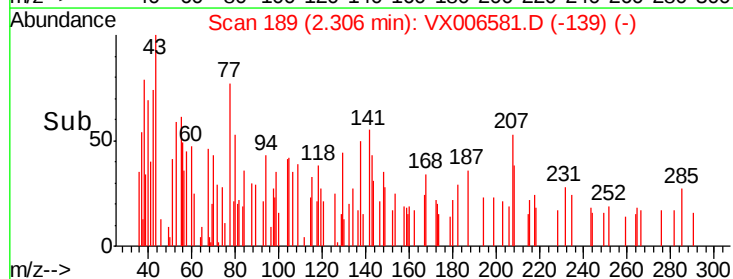
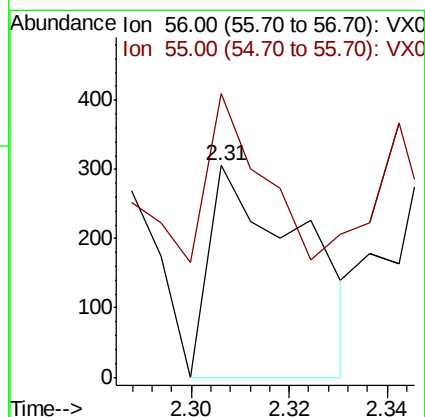
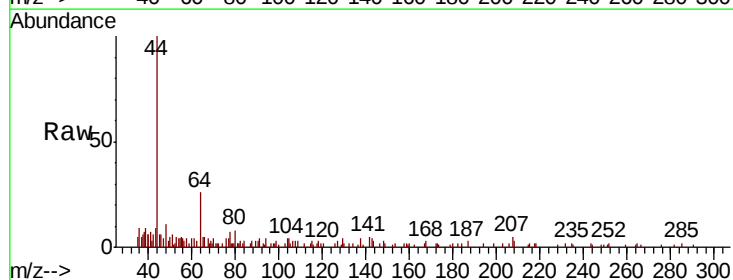
Instrument :
MSVOA_X
ClientSampleId :

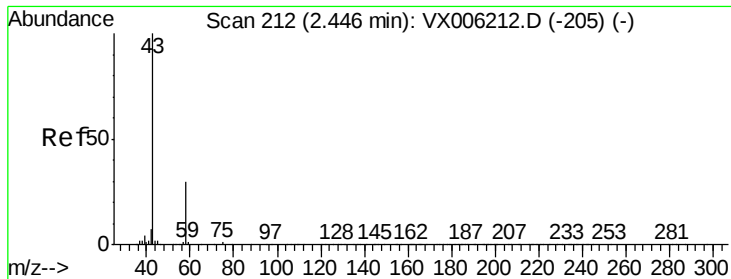
Tot Ion: 59 Resp: 7299
Ion Ratio Lower Upper
59 100
57 3.1 8.2 12.2#



#13
Acrolein
Concen: 0.394 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX006581.D
Acq: 17 Dec 2018 18:59

Tgt Ion: 56 Resp: 401
Ion Ratio Lower Upper
56 100
55 49.9 57.8 86.6#

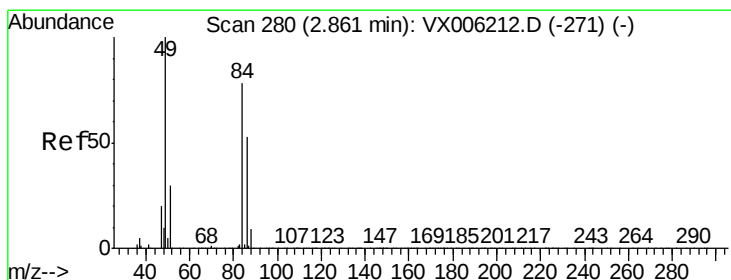
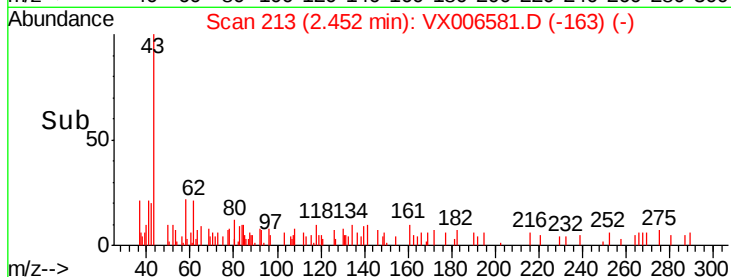
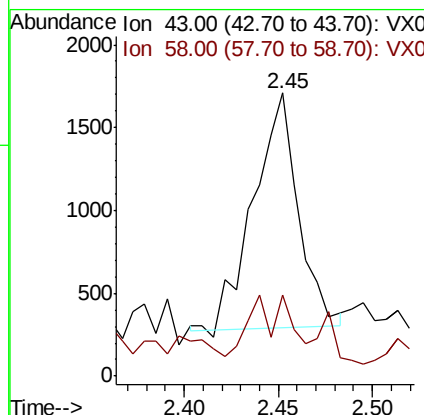
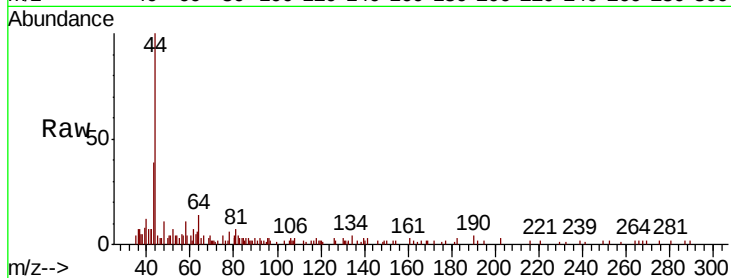




#16
Acetone
Concen: 0.731 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006581.D
Acq: 17 Dec 2018 18:59

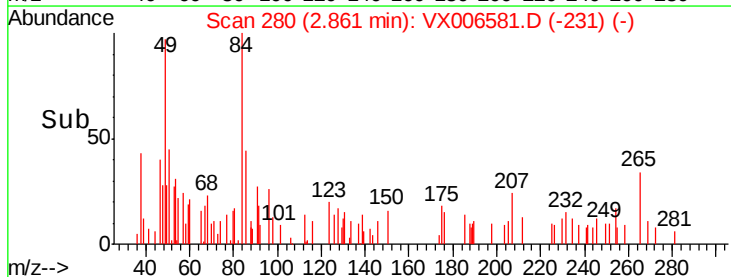
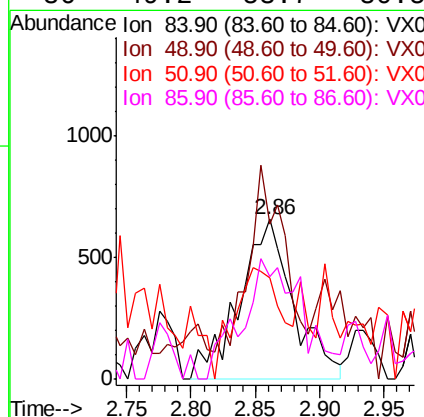
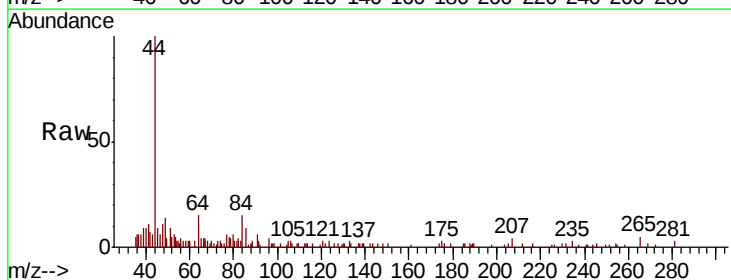
Instrument :
MSVOA_X
ClientSampleId :

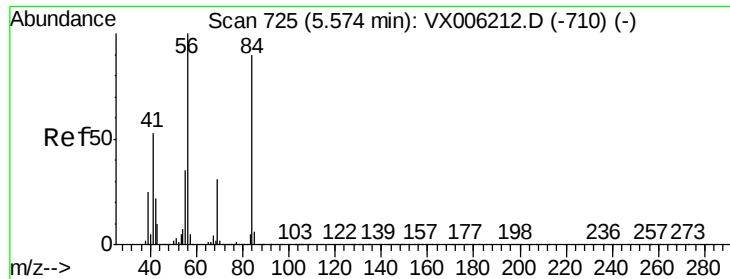
Tot Ion: 43 Resp: 2334
Ion Ratio Lower Upper
43 100
58 26.7 24.0 36.0



#20
Methylene Chloride
Concen: 0.282 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006581.D
Acq: 17 Dec 2018 18:59

Tgt Ion: 84 Resp: 1917
Ion Ratio Lower Upper
84 100
49 67.3 102.2 153.4#
51 37.2 31.1 46.7
86 49.2 53.7 80.5#

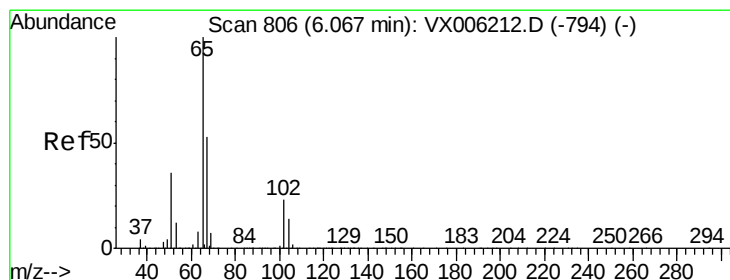
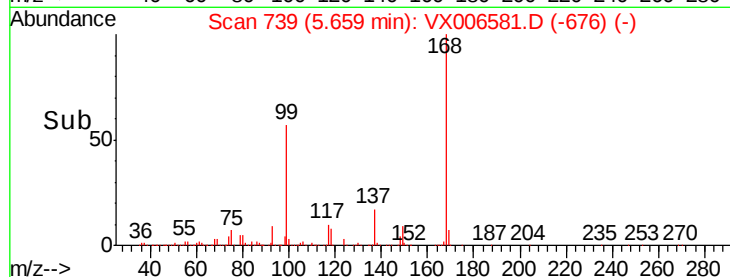
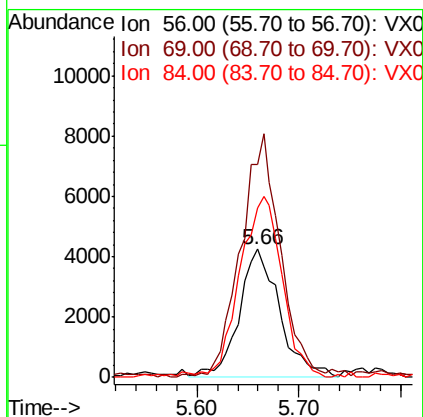
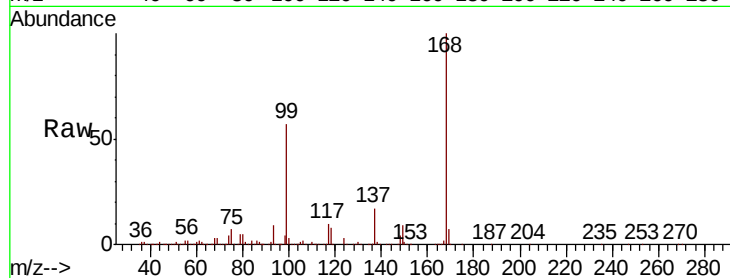




#31
Cyclohexane
Concen: 1.200 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006581.D
Acq: 17 Dec 2018 18:59

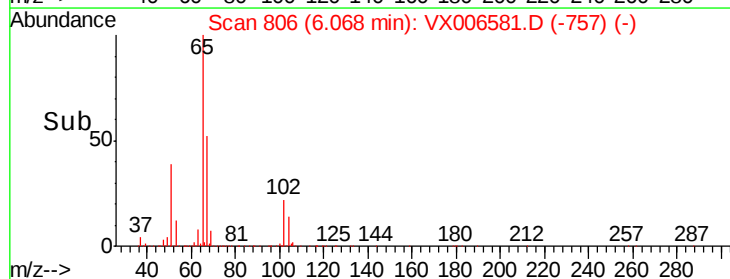
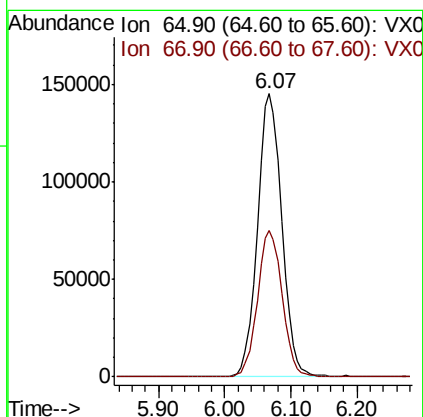
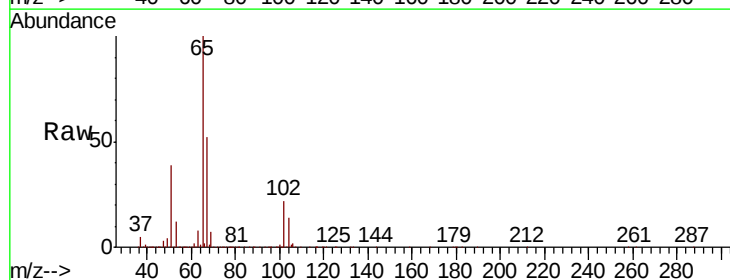
Instrument :
MSVOA_X
ClientSampled :

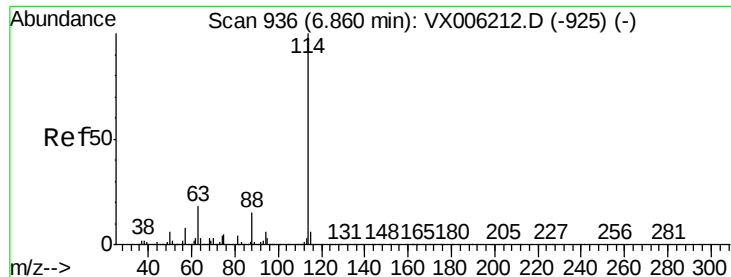
Tot Ion: 56 Resp: 11786
Ion Ratio Lower Upper
56 100
69 164.3 24.5 36.7#
84 129.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 54.492 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006581.D
Acq: 17 Dec 2018 18:59

Tgt Ion: 65 Resp: 370607
Ion Ratio Lower Upper
65 100
67 52.6 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: VX006581.D

Acq: 17 Dec 2018 18:59

Instrument :

MSVOA_X

ClientSampleId :

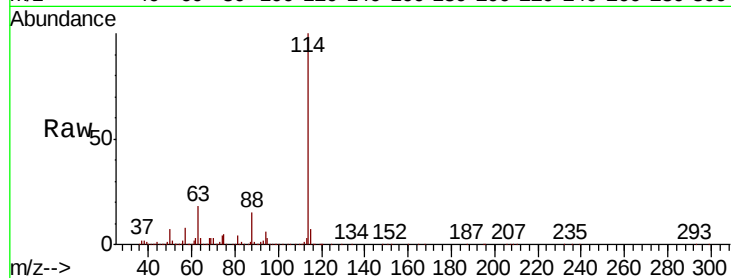
Tot Ion:114 Resp: 1059546

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

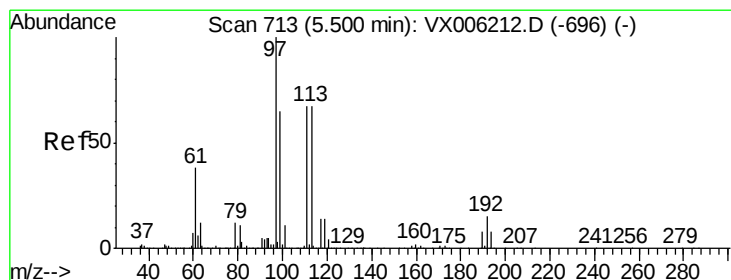
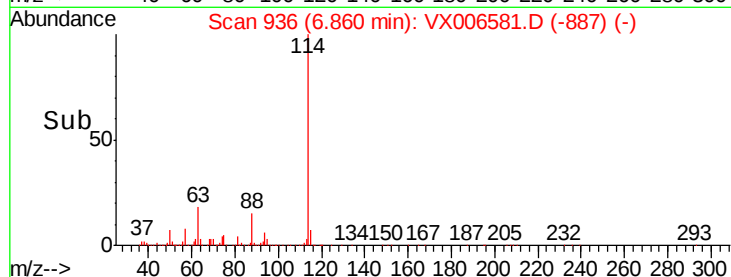
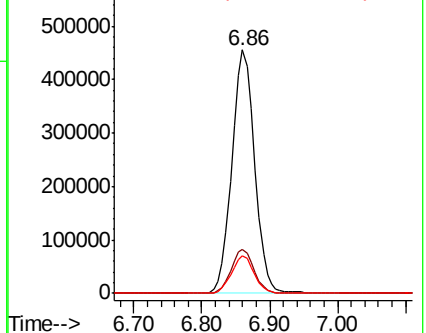
88 15.4 0.0 29.0



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: 46.618 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

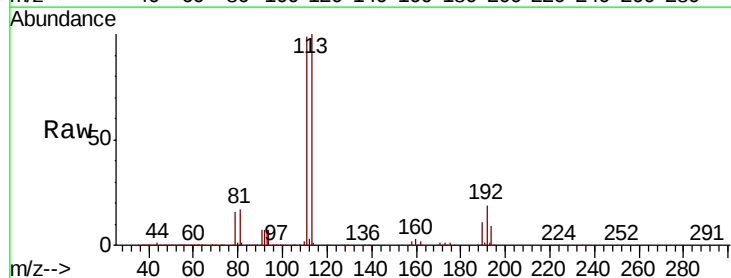
Tgt Ion:113 Resp: 319807

Ion Ratio Lower Upper

113 100

111 101.2 81.1 121.7

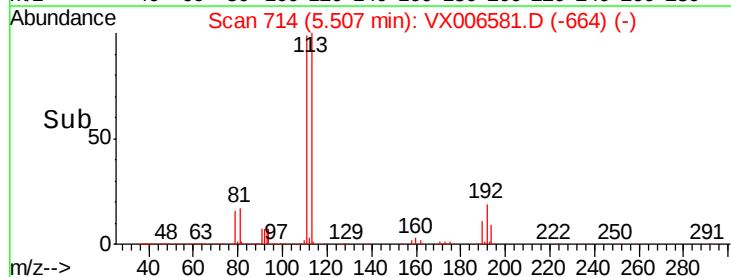
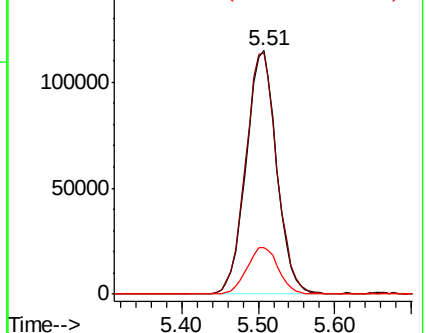
192 19.9 18.2 27.2

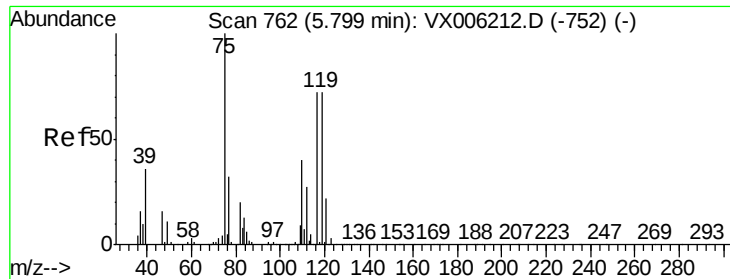


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.932 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

Instrument :

MSVOA_X

ClientSampleId :

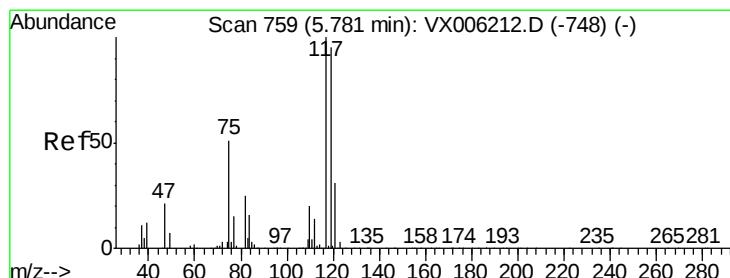
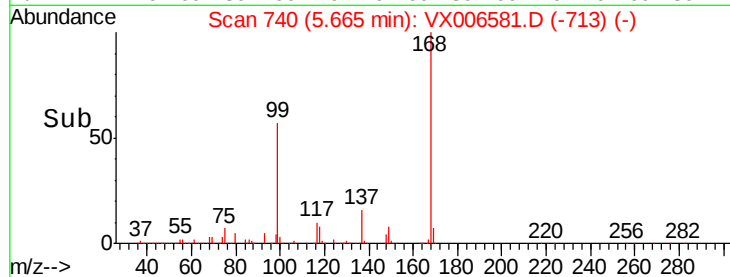
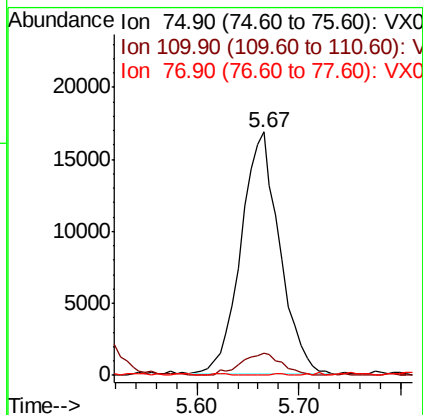
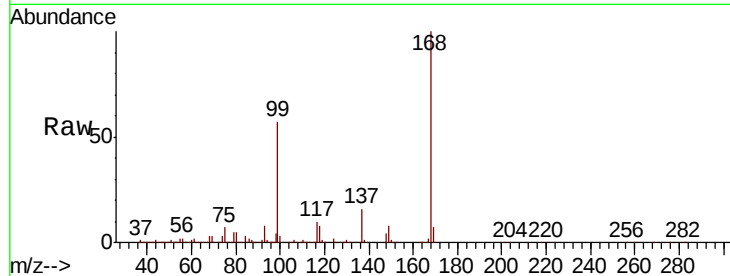
Tot Ion: 75 Resp: 44007

Ion Ratio Lower Upper

75 100

110 9.7 20.4 61.3#

77 0.2 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.186 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

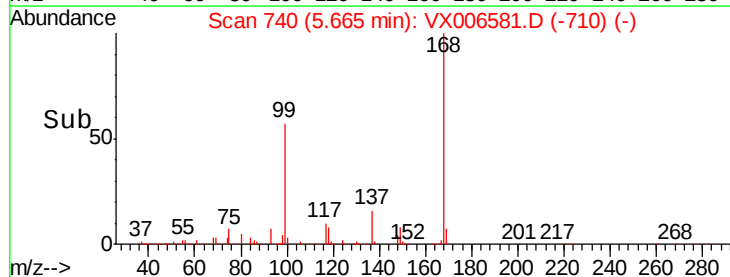
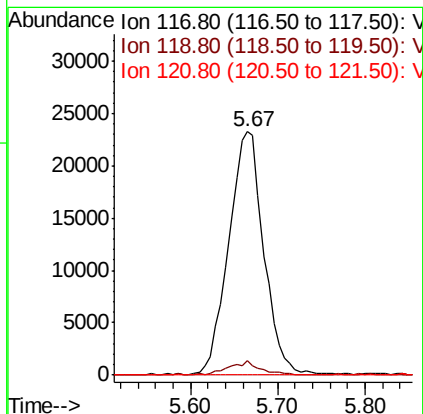
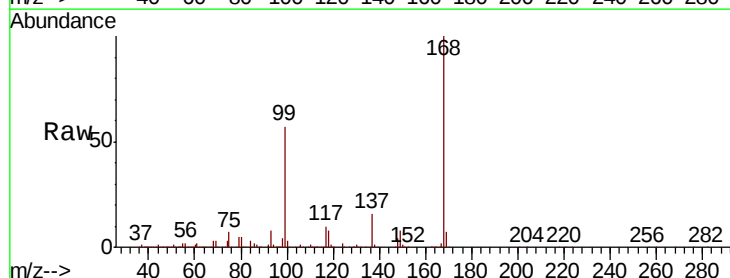
Tgt Ion: 117 Resp: 64936

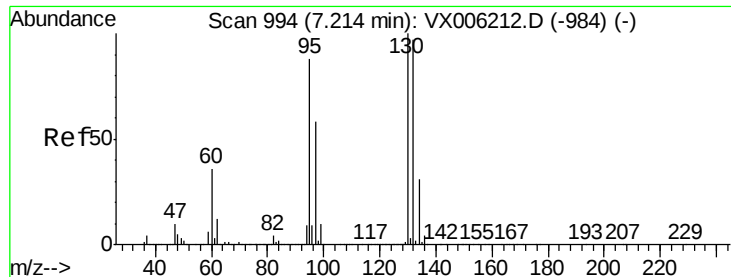
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

121 0.0 24.6 37.0#





#44

Trichloroethene

Concen: 0.915 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

Instrument :

MSVOA_X

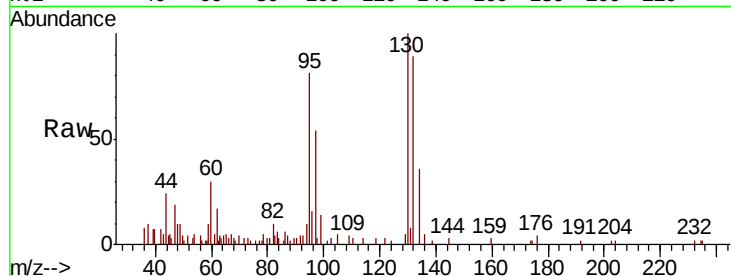
ClientSampleId :

Tot Ion:130 Resp: 7408

Ion Ratio Lower Upper

130 100

95 81.2 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

3000

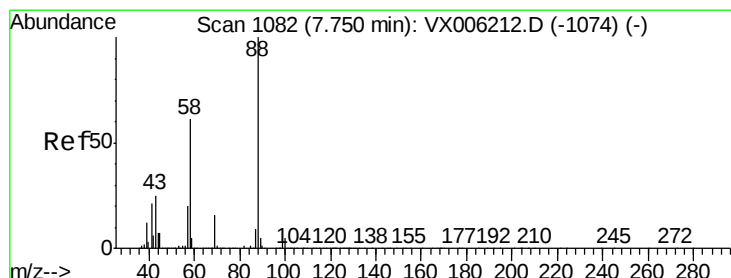
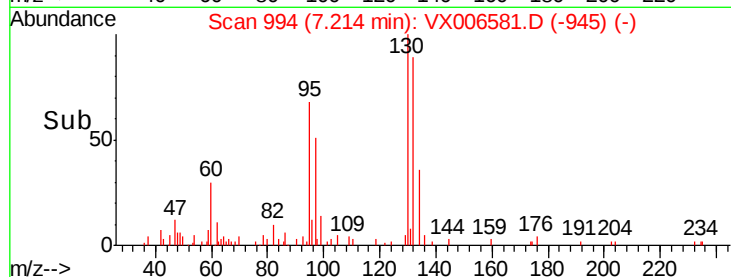
2000

1000

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 1.282 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

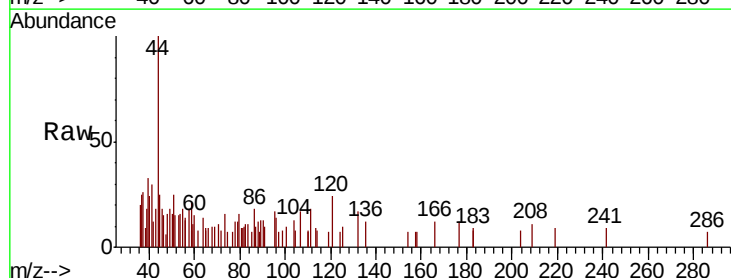
Tgt Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 60.2 23.2 34.8#

58 221.9 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

500

400

300

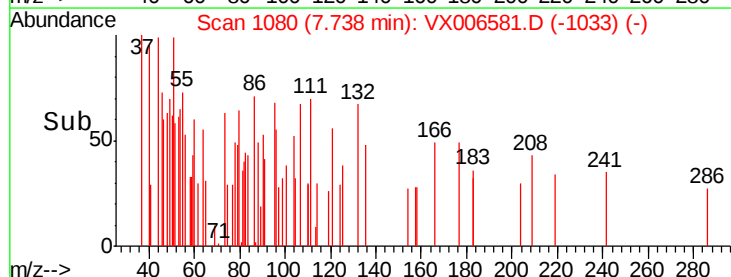
200

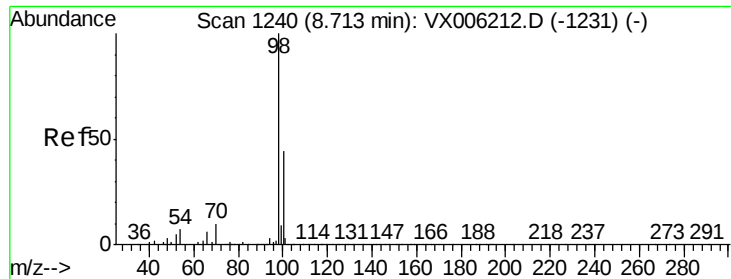
100

0

7.70 7.75

Time-->





#50

Toluene-d8

Concen: 51.103 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

Instrument :

MSVOA_X

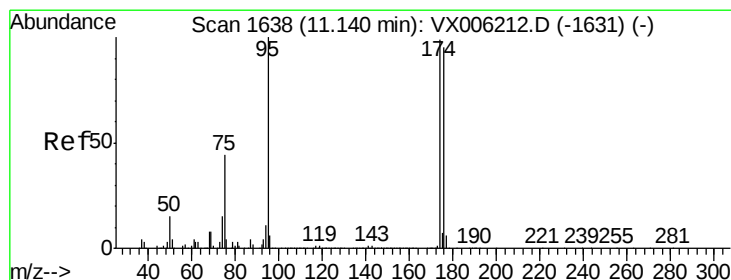
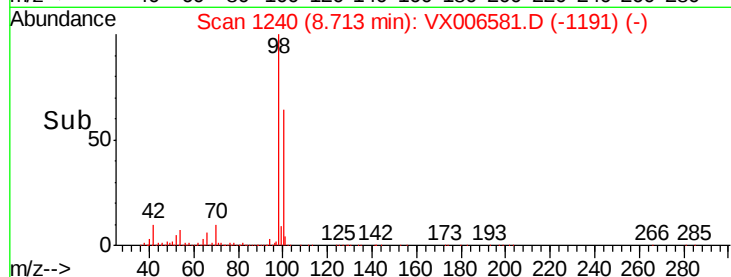
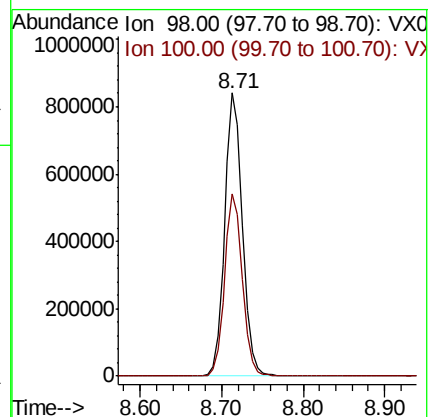
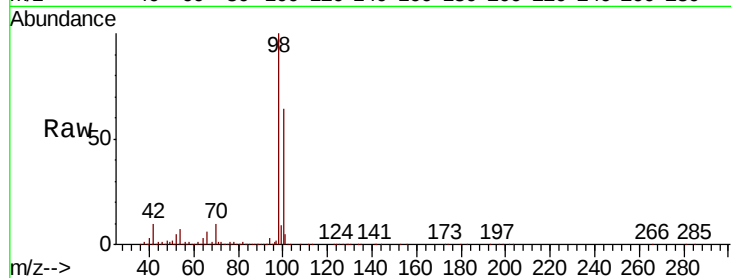
ClientSampleId :

Tot Ion: 98 Resp: 1275197

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.548 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

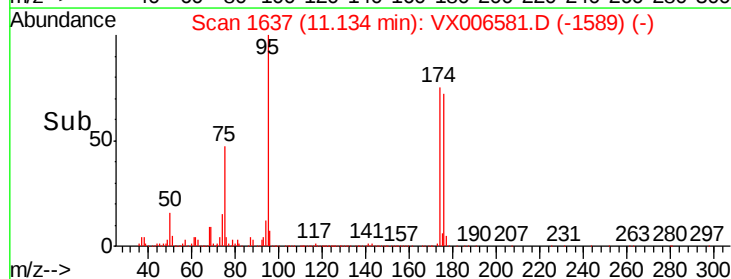
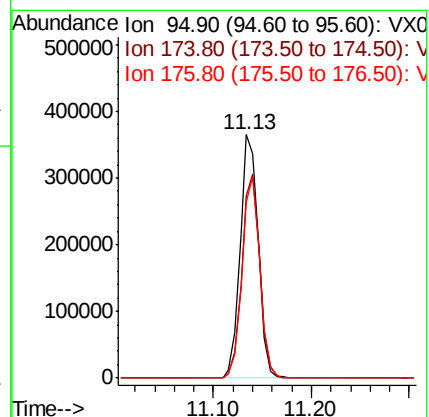
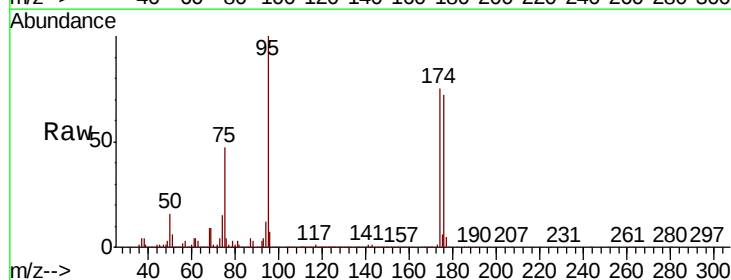
Tgt Ion: 95 Resp: 465907

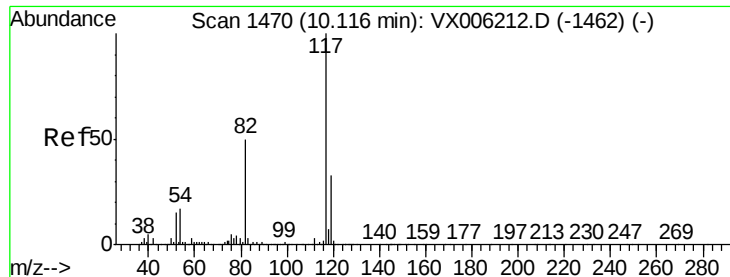
Ion Ratio Lower Upper

95 100

174 82.9 0.0 187.0

176 80.8 0.0 181.8

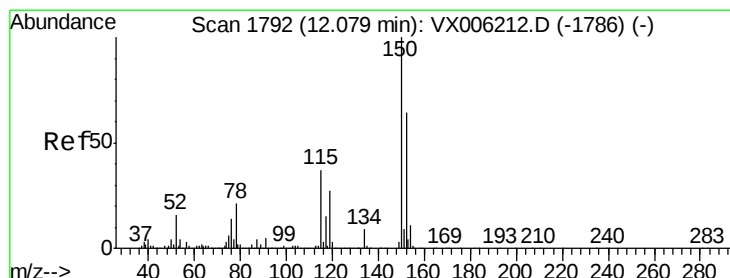
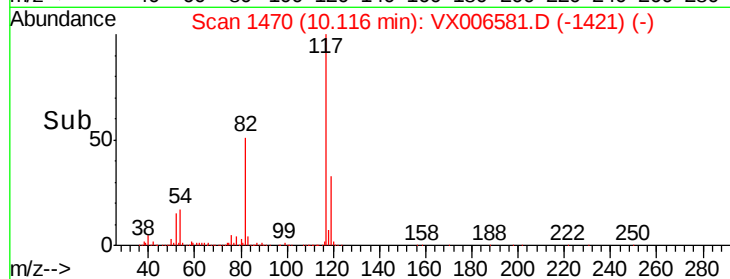
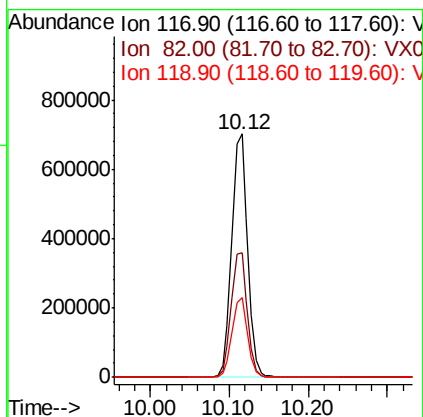
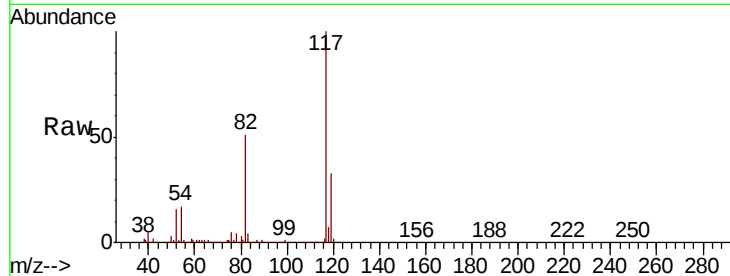




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006581.D
Acq: 17 Dec 2018 18:59

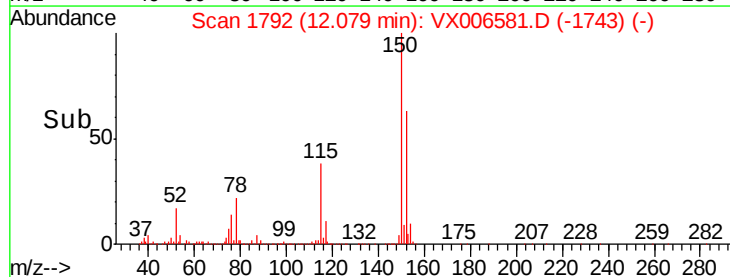
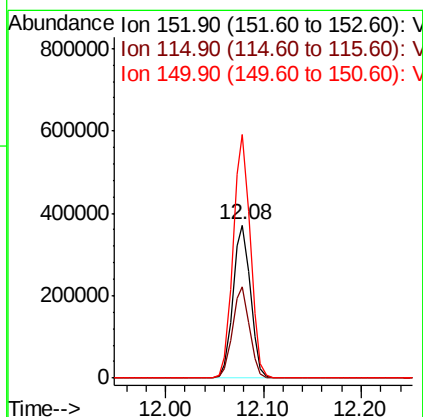
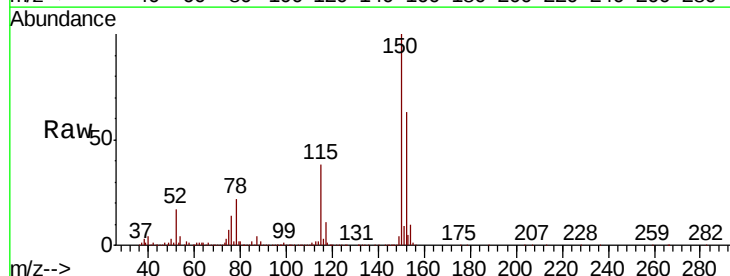
Instrument :
MSVOA_X
ClientSampled :

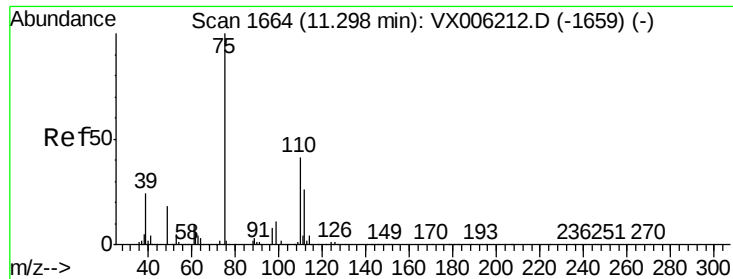
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	39.6	59.4
119	32.8	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006581.D
Acq: 17 Dec 2018 18:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	39.0	116.9
150	156.4	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 24.317 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

Instrument :

MSVOA_X

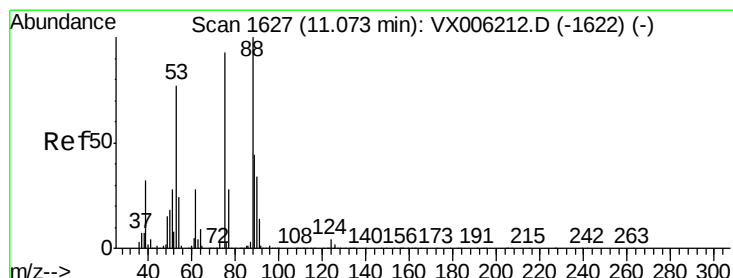
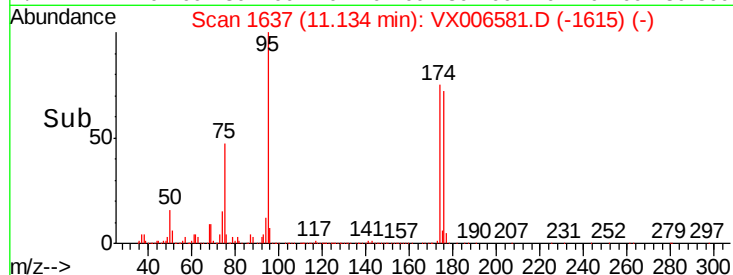
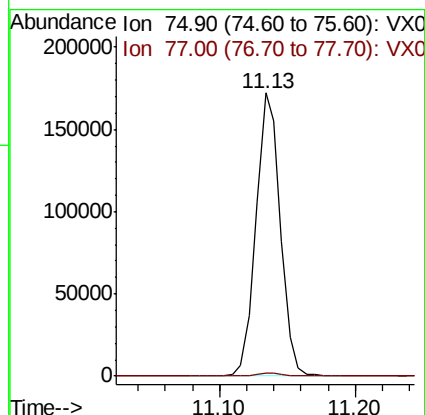
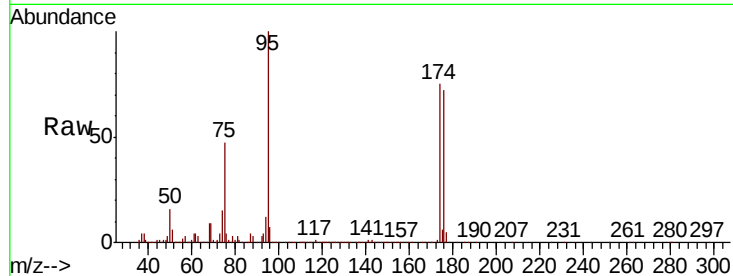
ClientSampleId :

Tot Ion: 75 Resp: 216428

Ion Ratio Lower Upper

75 100

77 1.3 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.065 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006581.D

Acq: 17 Dec 2018 18:59

Tgt Ion: 75 Resp: 216428

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.0 44.2 66.4#

