

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008211.D
 Acq On : 20 Mar 2019 00:43
 Operator : JC/SP
 Sample : K1882-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 07:16:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	335620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	546011	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	460683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185129	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	233606	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
35) Dibromofluoromethane	5.50	113	172177	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	8.71	98	668242	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.13	95	213285	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	

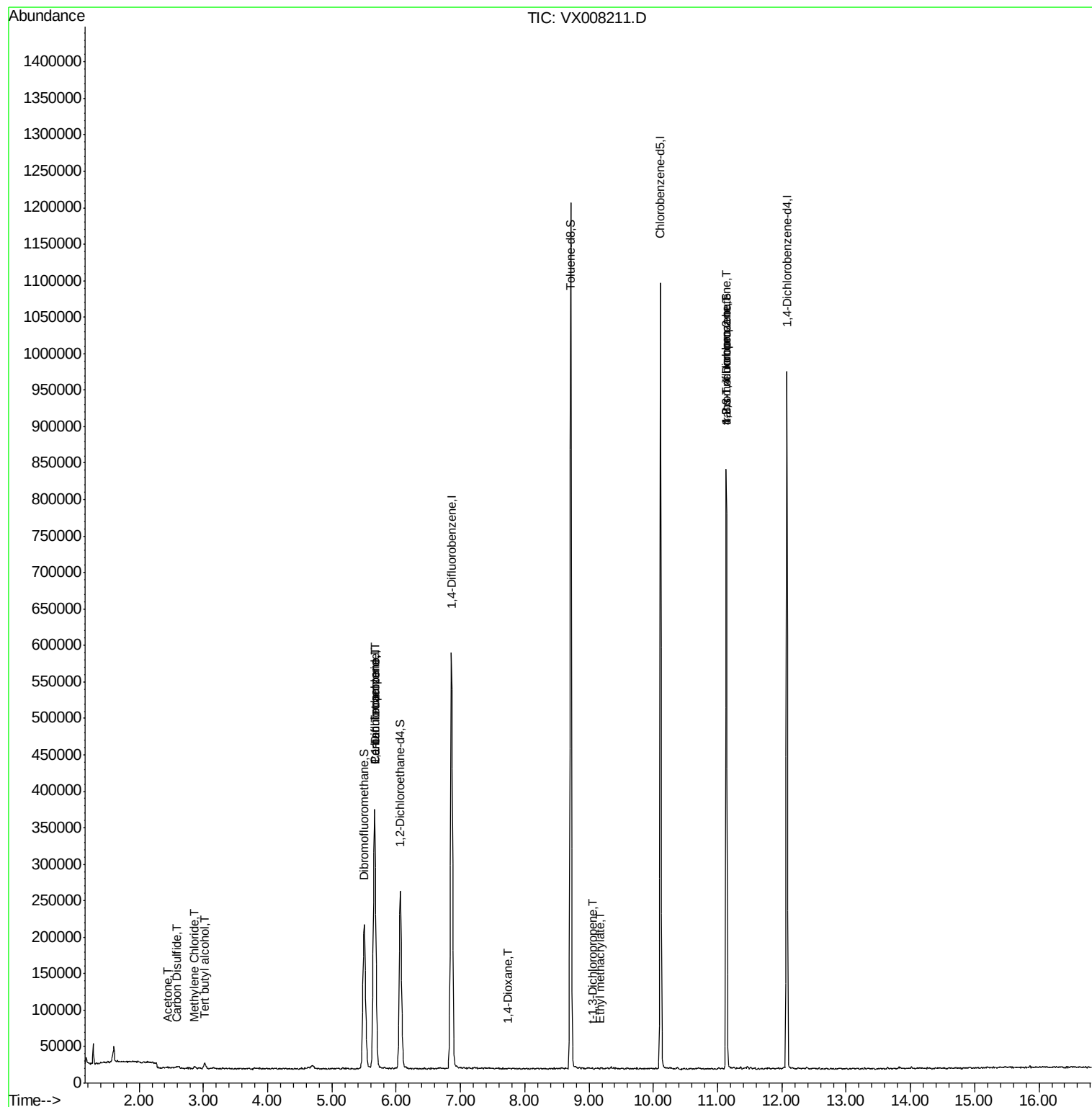
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	4752	4.391	ug/l #	80
13) Acrolein	2.30	56	235	Below Cal	#	47
16) Acetone	2.45	43	1728	0.603	ug/l	94
17) Carbon Disulfide	2.57	76	2087	0.830	ug/l	97
20) Methylene Chloride	2.86	84	1325	0.277	ug/l #	72
36) 1,1-Dichloropropene	5.66	75	27217	4.281	ug/l #	49
38) Carbon Tetrachloride	5.66	117	33588	5.930	ug/l #	17
49) 1,4-Dioxane	7.74	88	80	0.708	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	385	1.471	ug/l #	57
56) Ethyl methacrylate	9.17	69	22	0.529	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	112521	21.610	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	112521	54.943	ug/l #	12

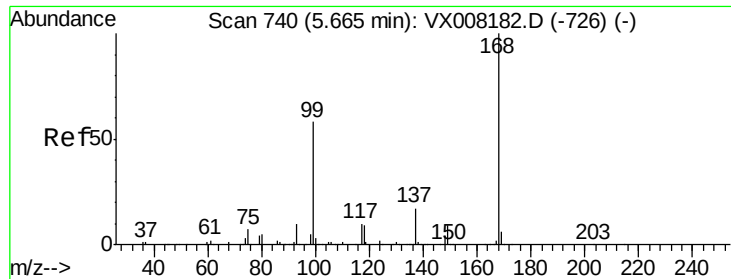
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Instrument :

MSVOA_X

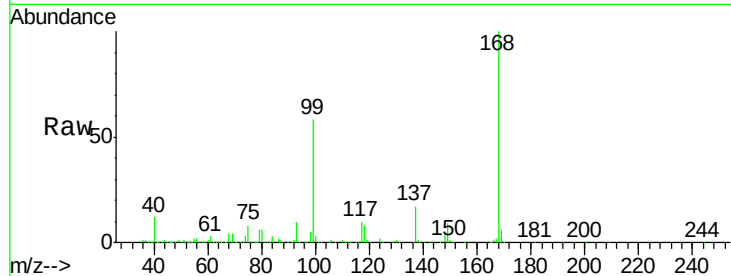
ClientSampleId :

Tot Ion:168 Resp: 335620

Ion Ratio Lower Upper

168 100

99 57.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

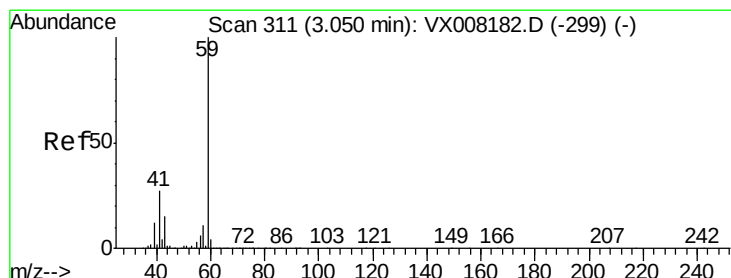
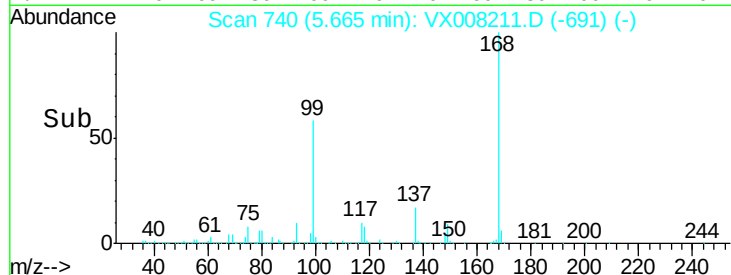
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 4.391 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX008211.D

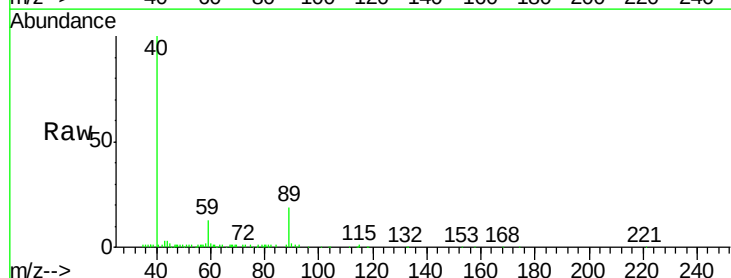
Acq: 20 Mar 2019 00:43

Tgt Ion: 59 Resp: 4752

Ion Ratio Lower Upper

59 100

57 2.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

2000

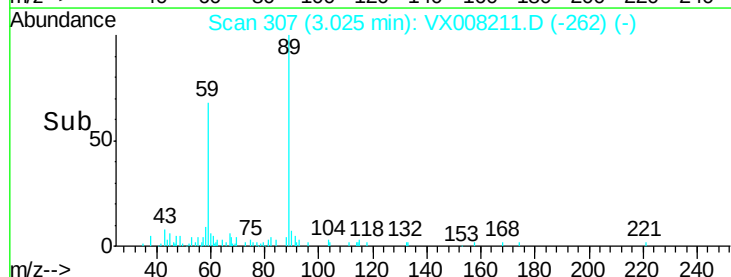
1500

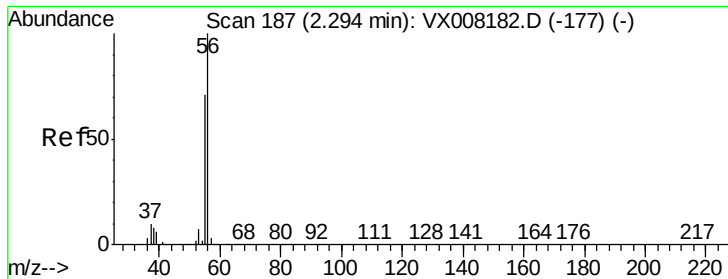
1000

500

0

Time--> 2.95 3.00 3.05 3.10





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Instrument :

MSVOA_X

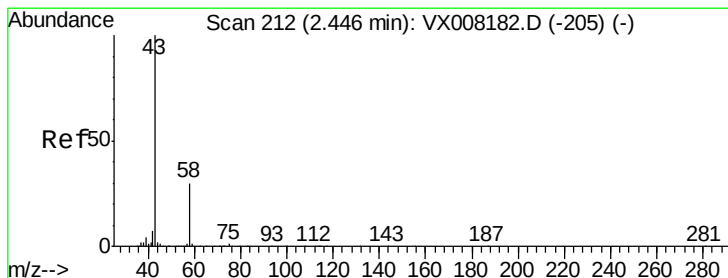
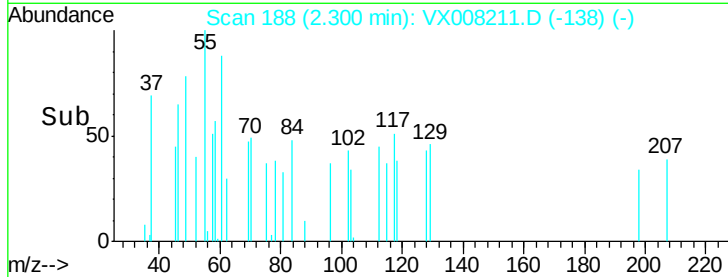
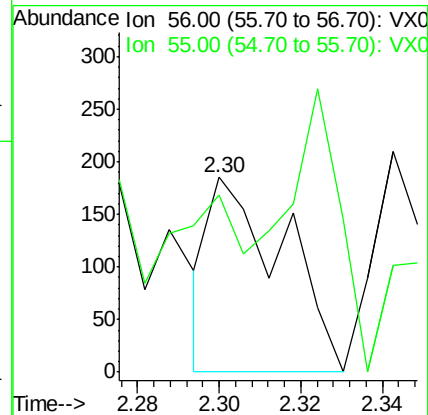
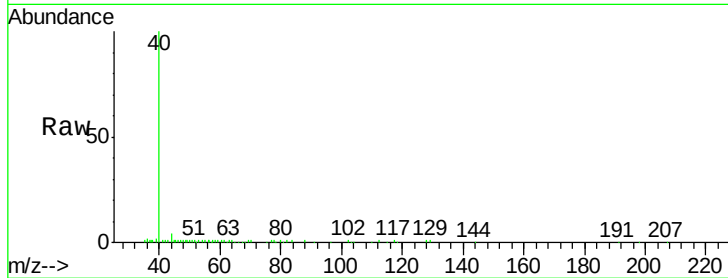
ClientSampleId :

Tot Ion: 56 Resp: 235

Ion Ratio Lower Upper

56 100

55 28.1 57.8 86.6#



#16

Acetone

Concen: 0.603 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008211.D

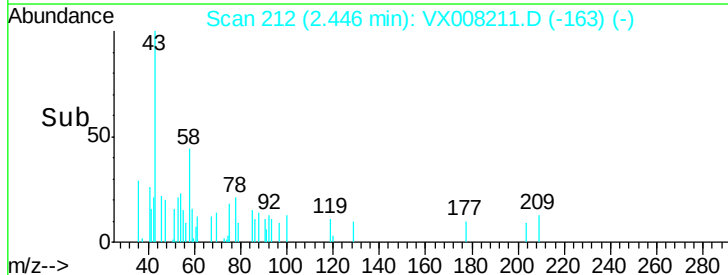
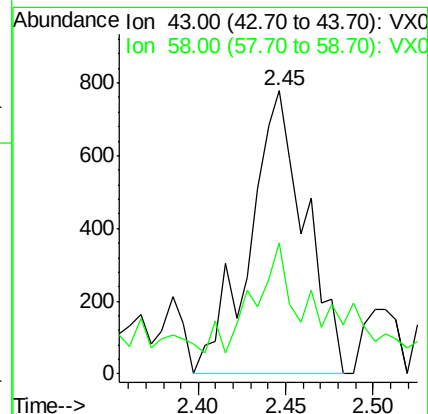
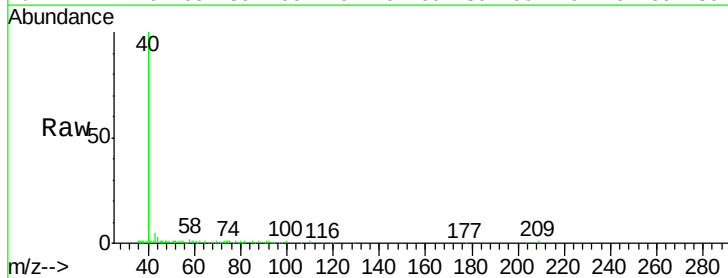
Acq: 20 Mar 2019 00:43

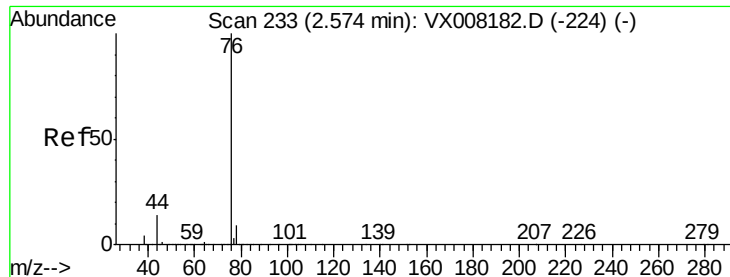
Tgt Ion: 43 Resp: 1728

Ion Ratio Lower Upper

43 100

58 28.7 25.5 38.3





#17

Carbon Disulfide

Concen: 0.830 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Instrument :

MSVOA_X

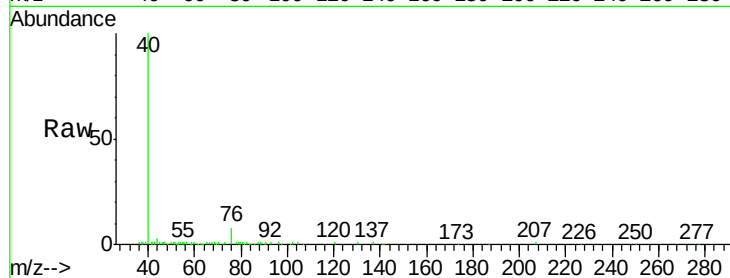
ClientSampleId :

Tot Ion: 76 Resp: 2087

Ion Ratio Lower Upper

76 100

78 7.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1200

1000

800

600

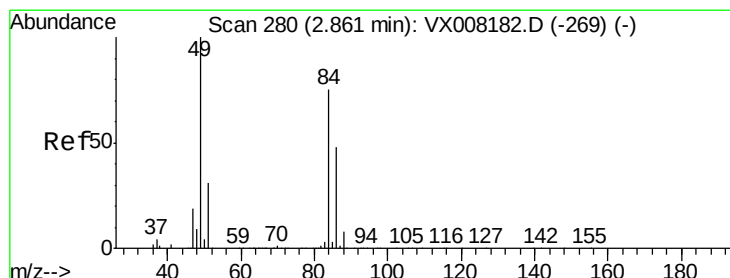
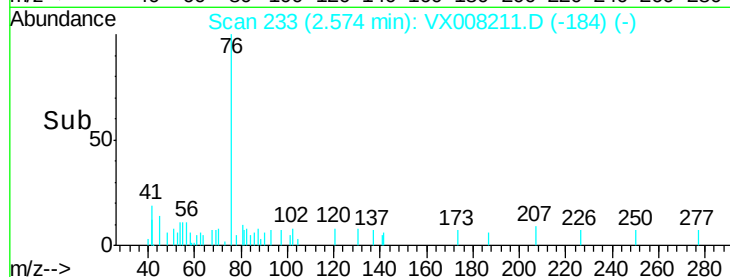
400

200

0

2.50 2.55 2.60 2.65

Time-->



#20

Methylene Chloride

Concen: 0.277 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Tgt Ion: 84 Resp: 1325

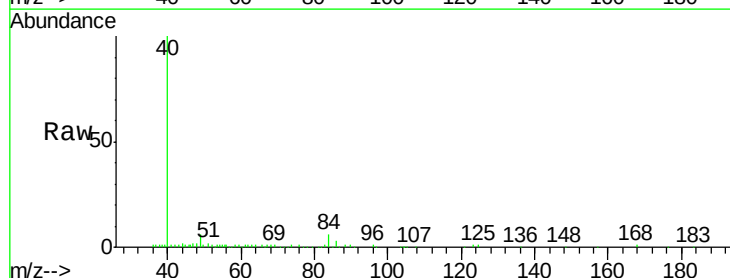
Ion Ratio Lower Upper

84 100

49 89.1 99.3 148.9#

51 30.7 31.3 46.9#

86 39.8 52.6 79.0#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

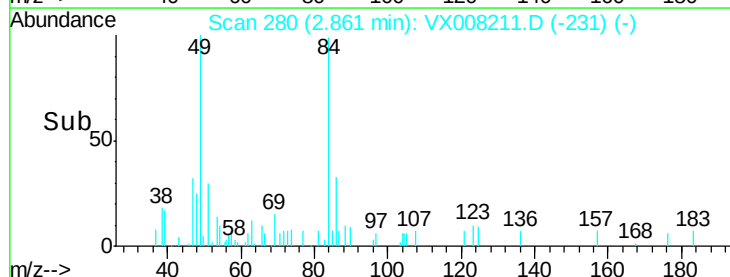
1000

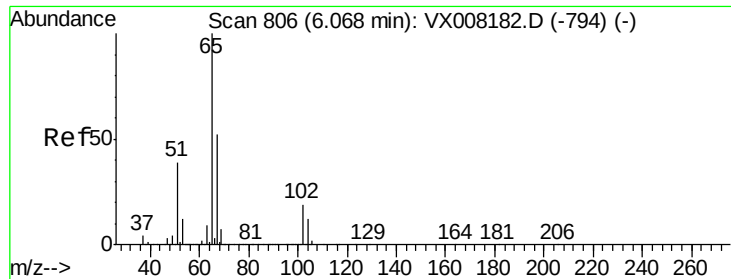
500

0

2.80 2.85 2.90 2.95

Time-->

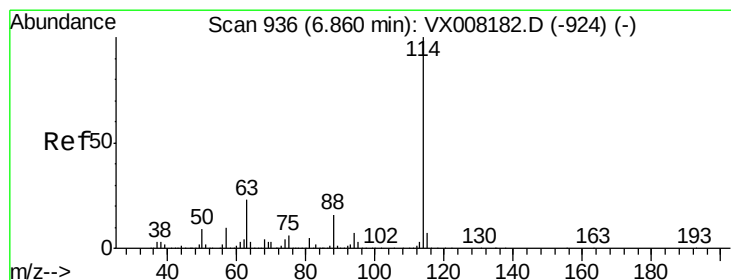
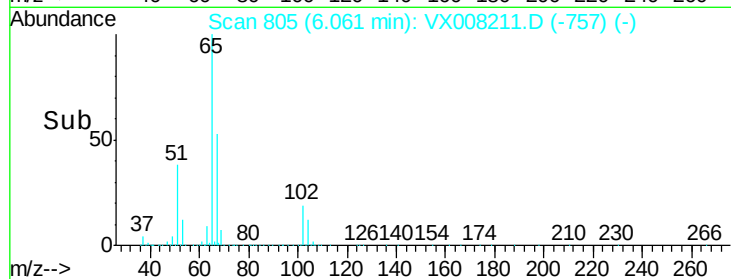
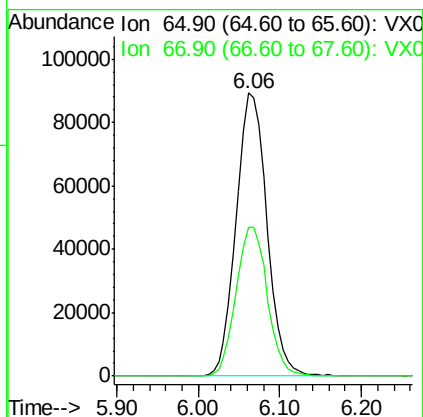
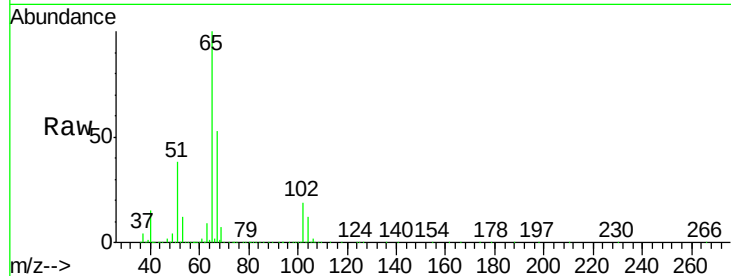




#33
 1,2-Dichloroethane-d4
 Concen: 46.215 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008211.D
 Acq: 20 Mar 2019 00:43

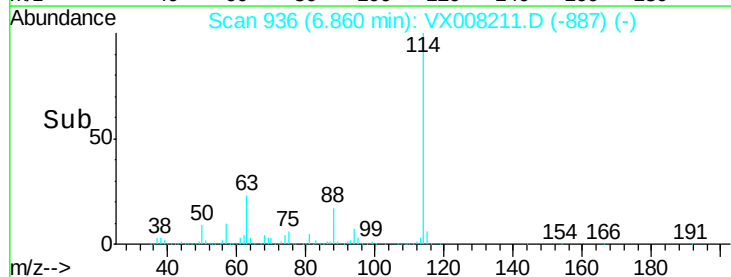
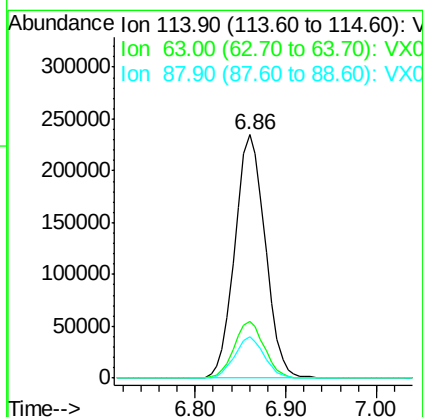
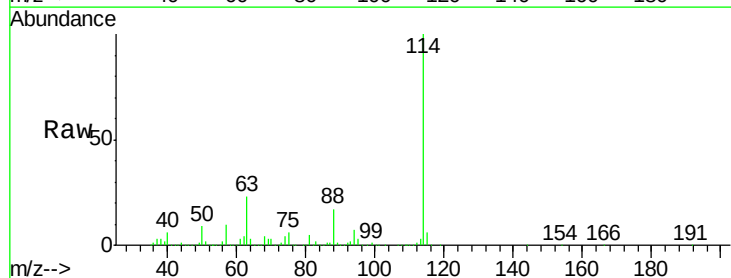
Instrument :
 MSVOA_X
 ClientSampleId :

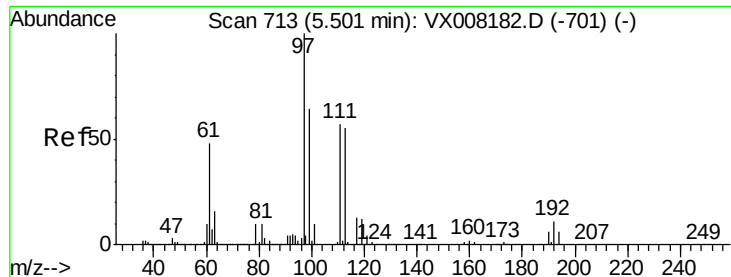
Tot Ion: 65 Resp: 233606
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008211.D
 Acq: 20 Mar 2019 00:43

Tgt Ion: 114 Resp: 546011
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 39.8
 88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.105 ug/l

RT: 5.50 min Scan# 713

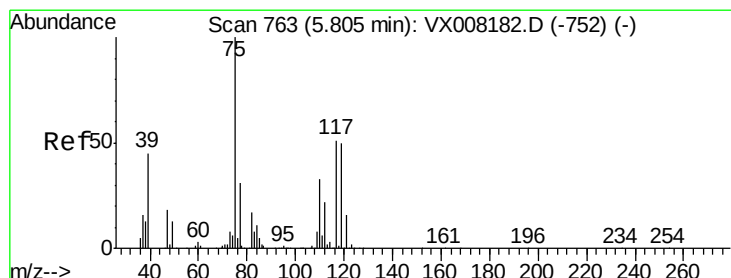
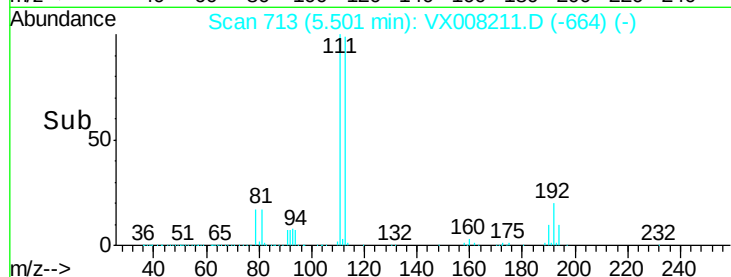
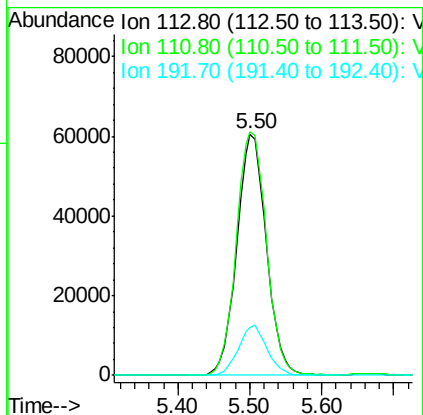
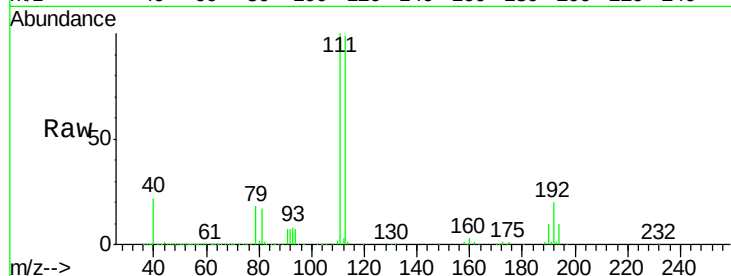
Delta R.T. -0.00 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	172177
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	20.2	19.4	29.0



#36

1,1-Dichloropropene

Concen: 4.281 ug/l

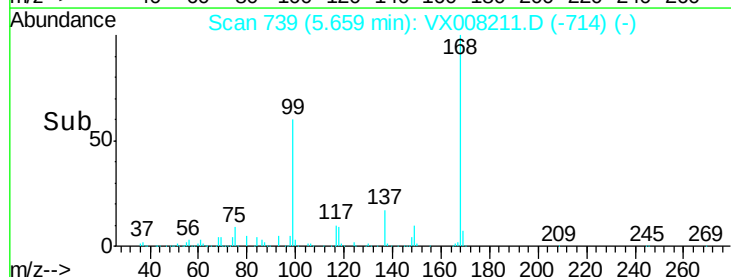
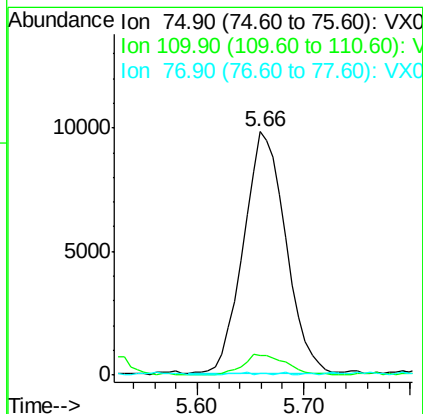
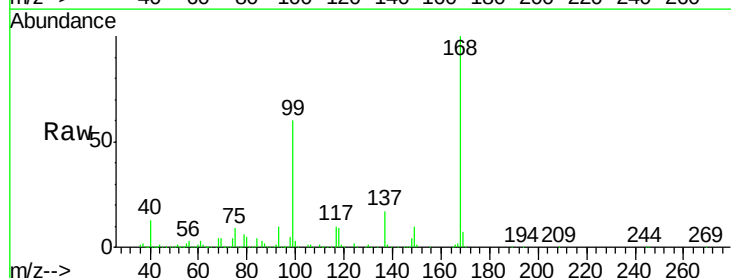
RT: 5.66 min Scan# 739

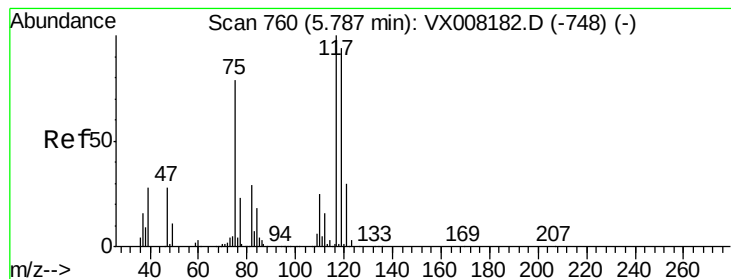
Delta R.T. -0.15 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Tgt Ion:	75	Resp:	27217
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.4	55.0#
77	0.4	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Instrument :

MSVOA_X

ClientSampled :

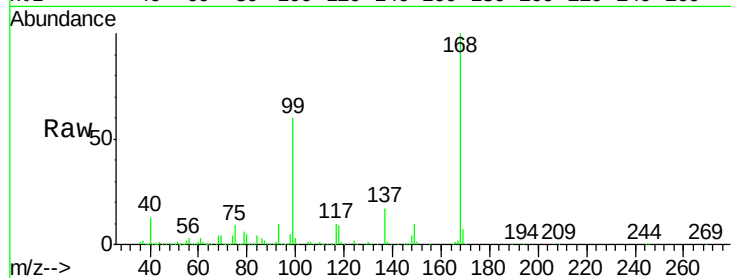
Tot Ion:117 Resp: 33588

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

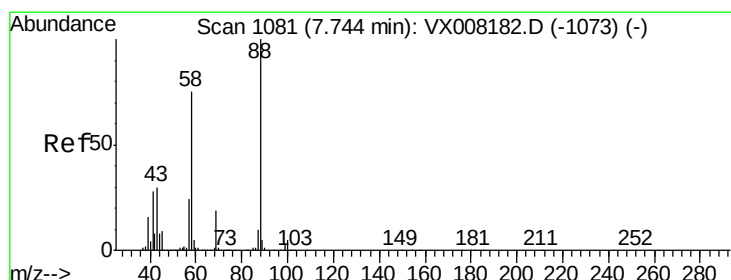
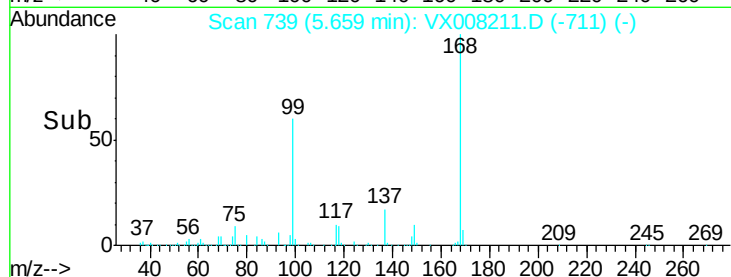
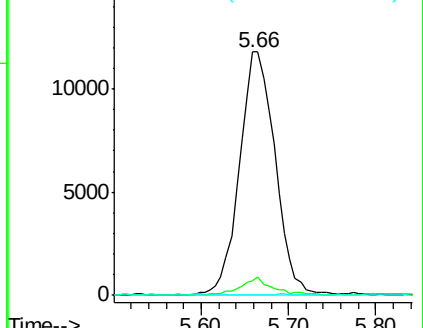
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.708 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

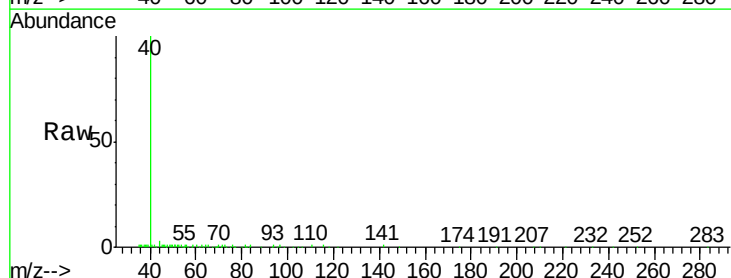
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

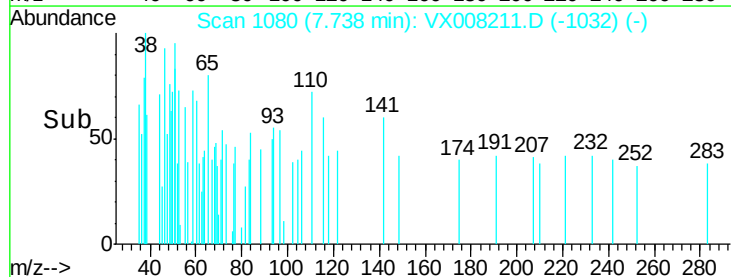
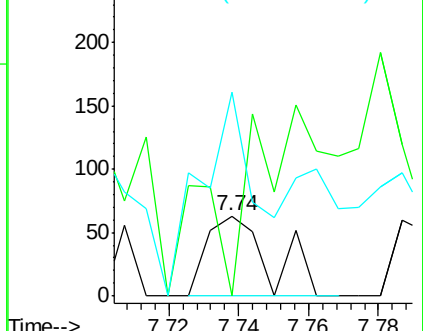
58 218.8 57.8 86.6#

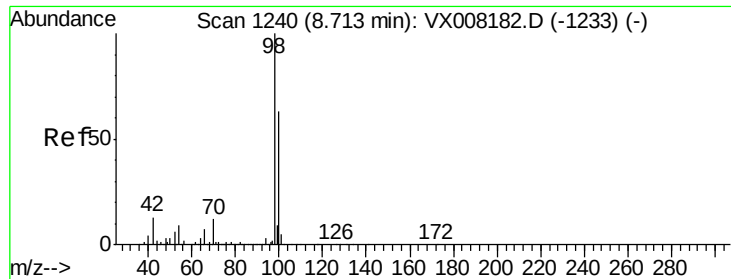


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.220 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Instrument :

MSVOA_X

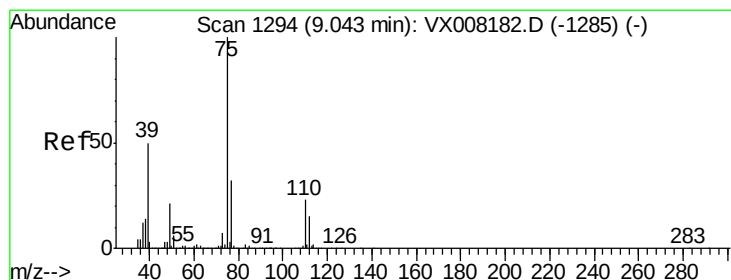
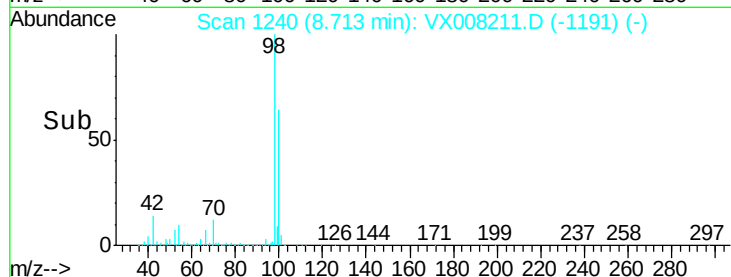
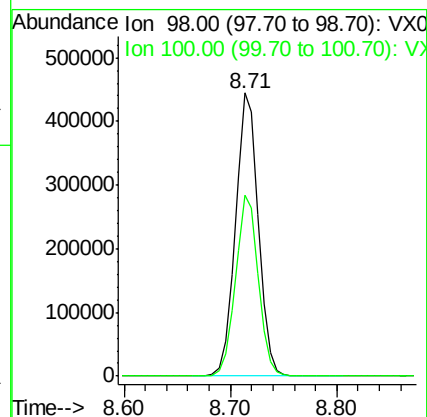
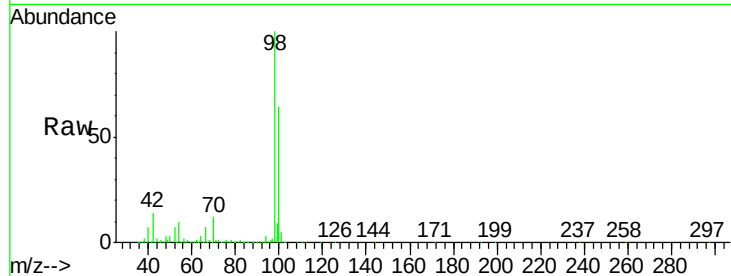
ClientSampled :

Tot Ion: 98 Resp: 668242

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



#53

t-1,3-Dichloropropene

Concen: 1.471 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008211.D

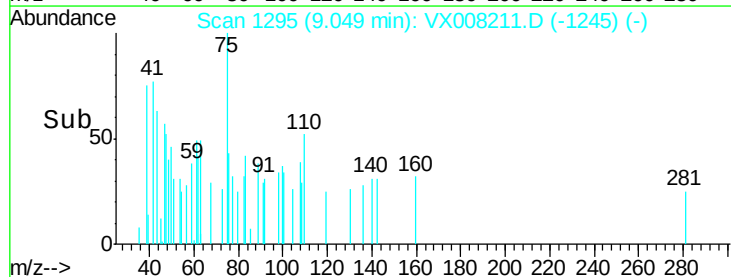
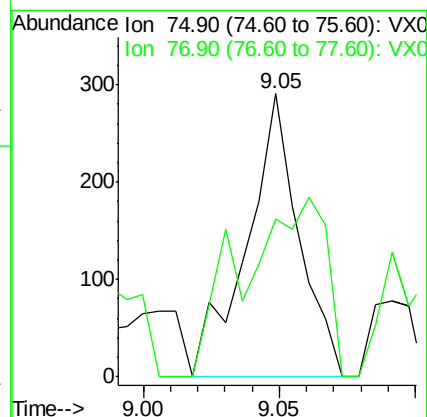
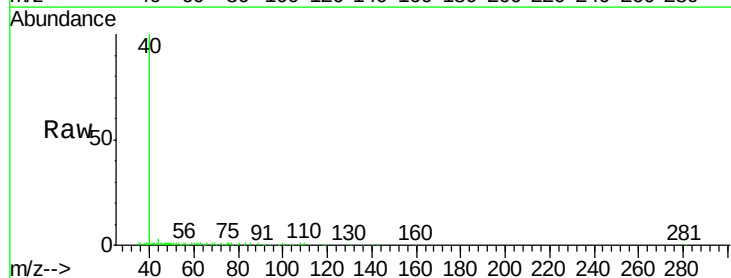
Acq: 20 Mar 2019 00:43

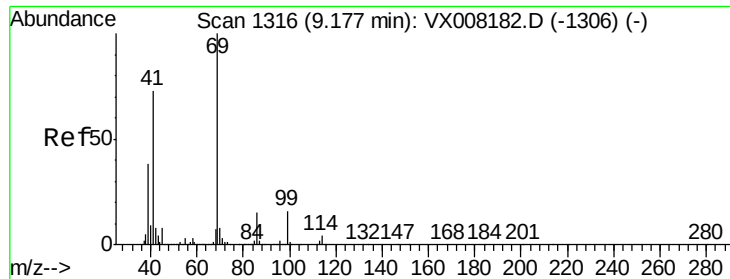
Tgt Ion: 75 Resp: 385

Ion Ratio Lower Upper

75 100

77 55.7 25.4 38.0#

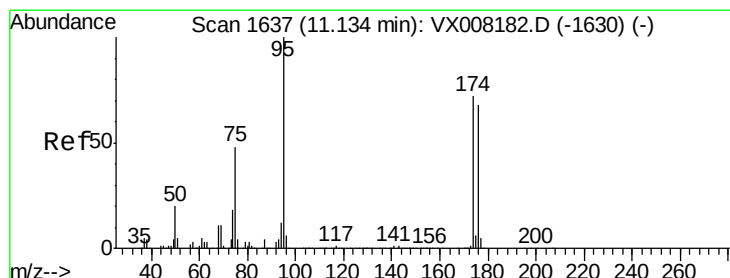
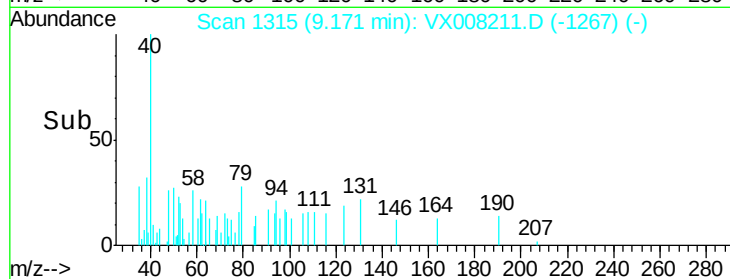
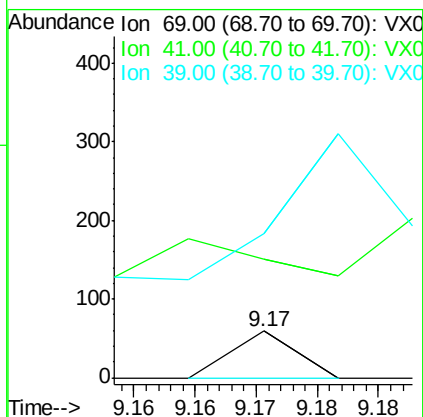
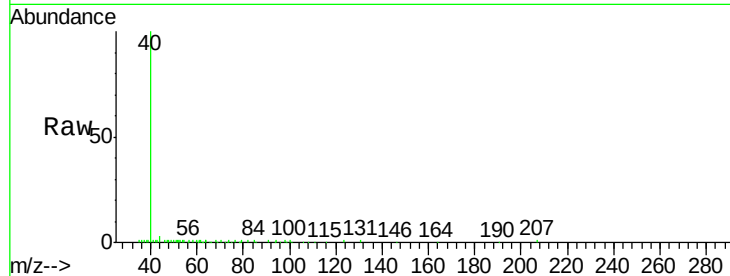




#56
Ethyl methacrylate
Concen: 0.529 ug/l
RT: 9.17 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VX008211.D
Acq: 20 Mar 2019 00:43

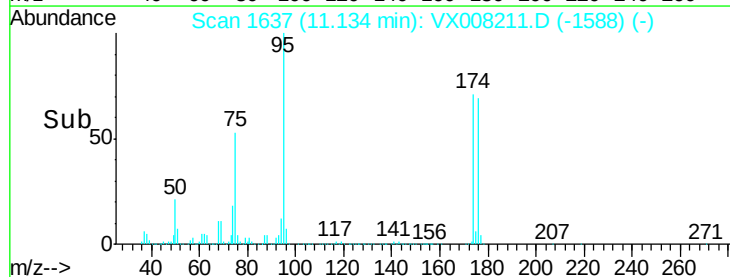
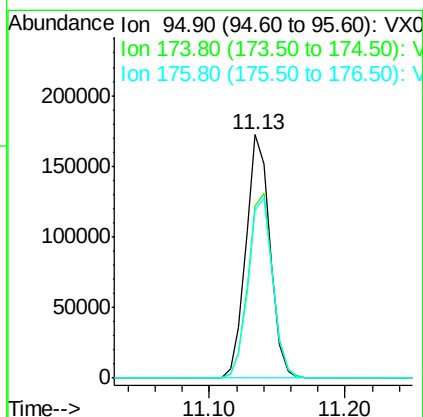
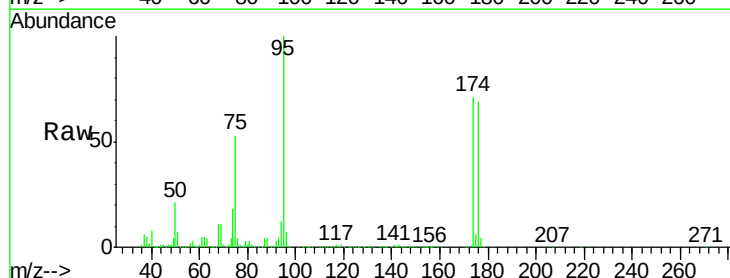
Instrument :
MSVOA_X
ClientSampled :

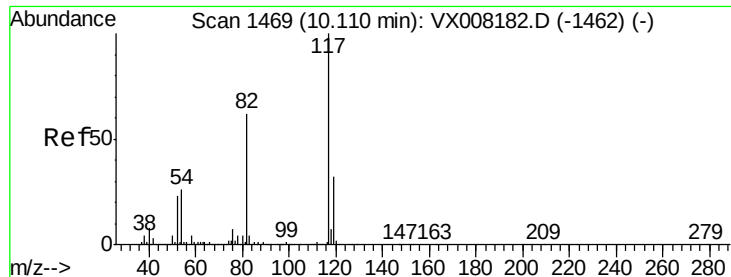
Tot Ion	Ratio	Lower	Upper
69	100		
41	209.1	54.2	81.4#
39	854.5	25.0	37.4#



#62
4-Bromofluorobenzene
Concen: 44.699 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008211.D
Acq: 20 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	182.8
176	76.0	0.0	178.0

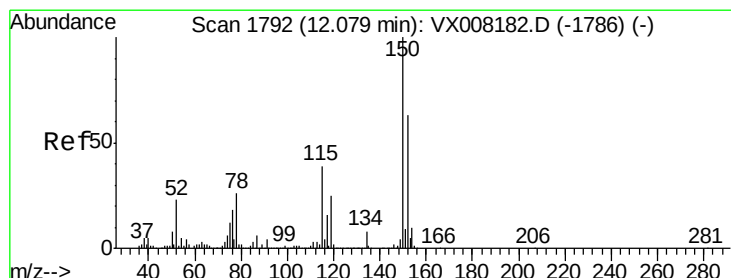
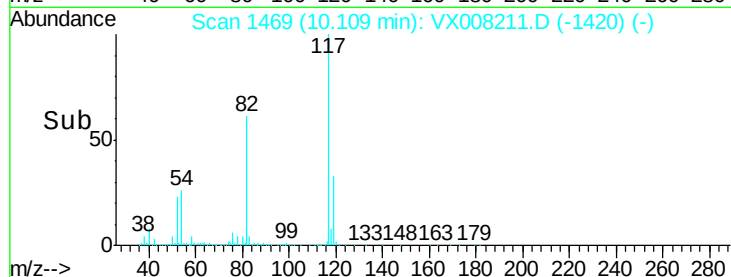
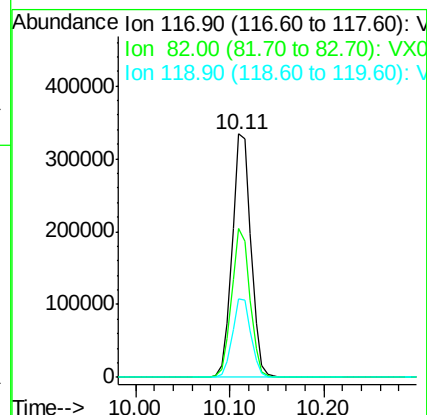
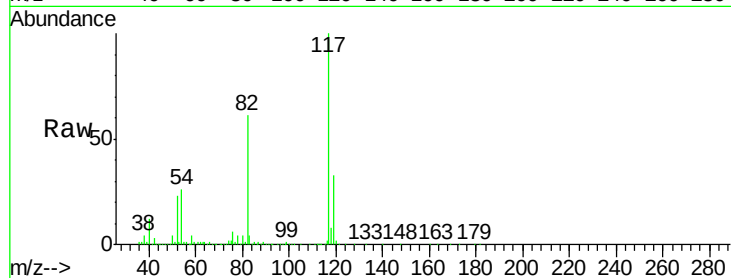




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008211.D
Acq: 20 Mar 2019 00:43

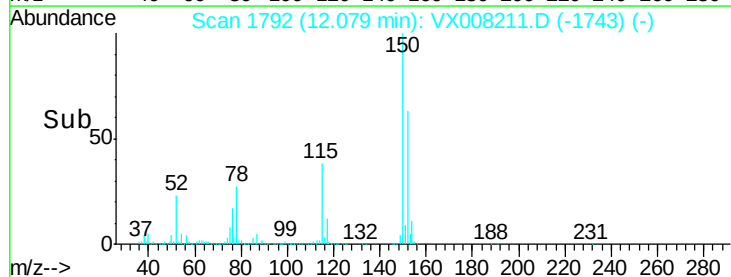
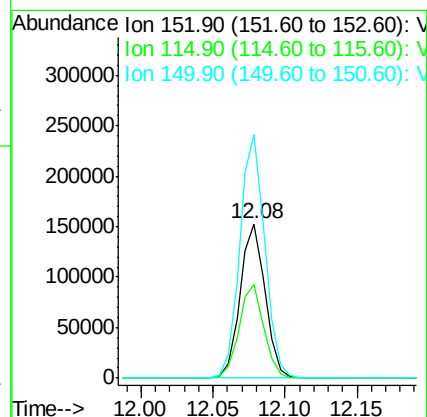
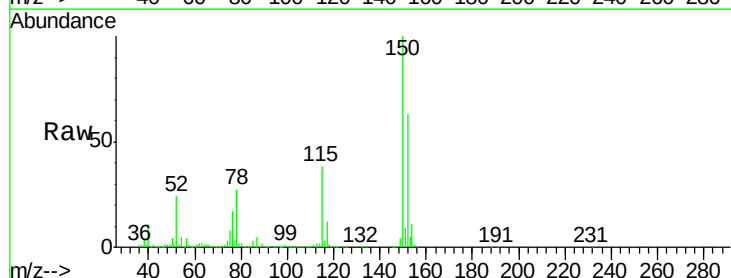
Instrument :
MSVOA_X
ClientSampleId :

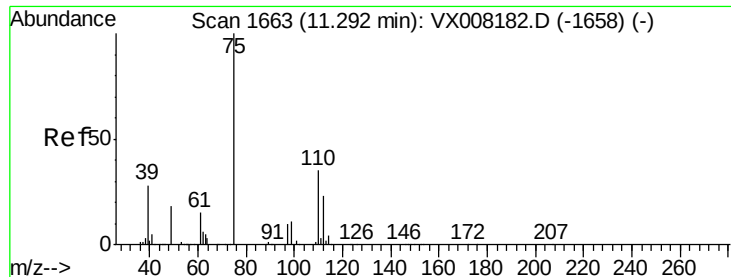
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	44.3	66.5
119	32.5	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008211.D
Acq: 20 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	38.6	115.7
150	158.3	0.0	348.4





#76

1,2,3-Trichloropropane

Concen: 21.610 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Instrument :

MSVOA_X

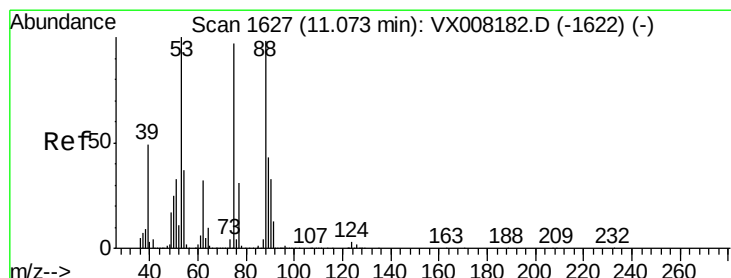
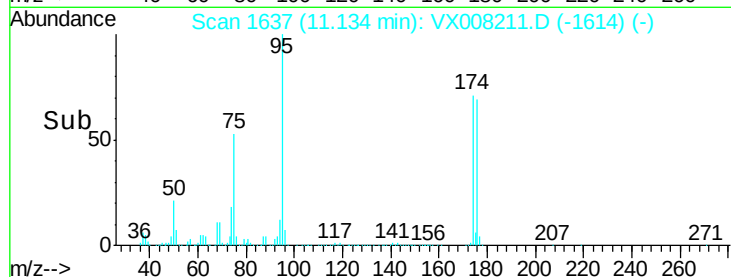
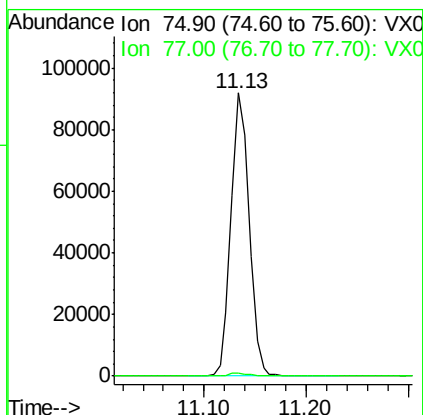
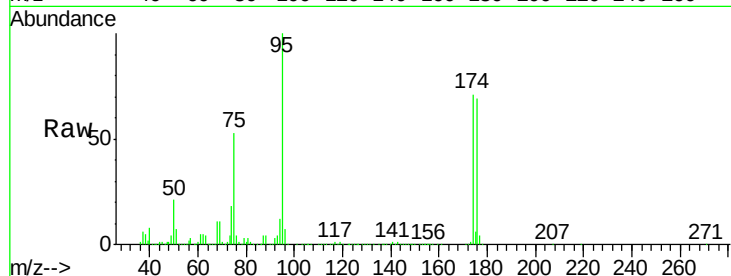
ClientSampled :

Tot Ion: 75 Resp: 112521

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.943 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008211.D

Acq: 20 Mar 2019 00:43

Tgt Ion: 75 Resp: 112521

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.0 36.3 54.5#

