

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008198.D
 Acq On : 19 Mar 2019 18:30
 Operator : JC/SP
 Sample : K1860-04DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 07:11:32 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	5.66	168	346046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	556774	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	478304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196814	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	239750	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
35) Dibromofluoromethane	5.50	113	175422	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
50) Toluene-d8	8.71	98	694659	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	11.13	95	225333	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	

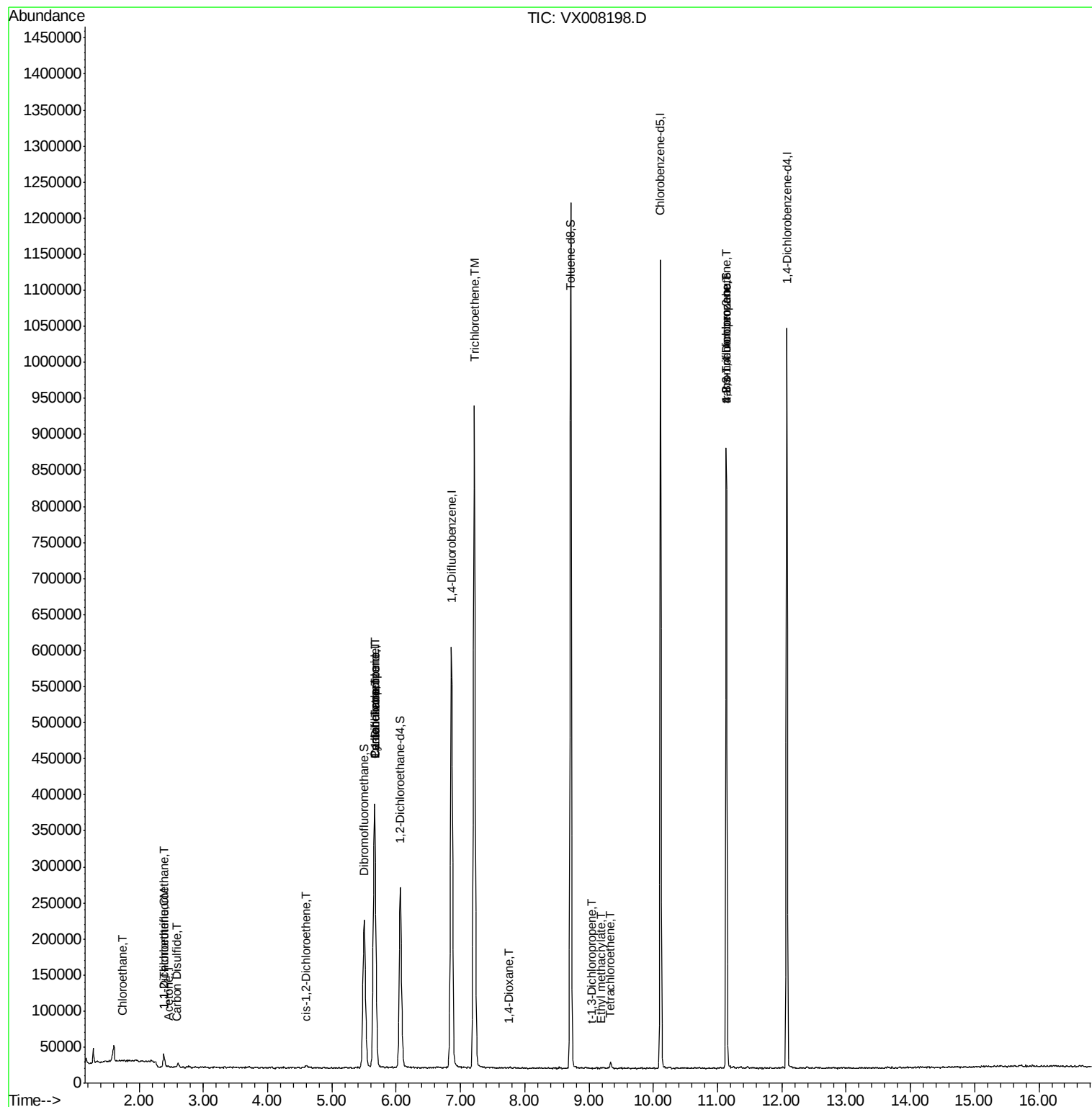
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	2181	0.663	ug/l #	79
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5307	1.193	ug/l	89
12) 1,1-Dichloroethene	2.38	96	2716	0.647	ug/l	87
13) Acrolein	2.30	56	51	Below Cal	#	1
16) Acetone	2.45	43	1528	0.517	ug/l #	87
17) Carbon Disulfide	2.58	76	1154	0.758	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	1696	0.328	ug/l	99
31) Cyclohexane	5.66	56	7875	0.911	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	28880	4.455	ug/l #	50
38) Carbon Tetrachloride	5.66	117	34590	5.989	ug/l #	17
44) Trichloroethene	7.21	130	334517	71.307	ug/l	90
49) 1,4-Dioxane	7.76	88	389	3.375	ug/l #	36
53) t-1,3-Dichloropropene	9.04	75	238	1.452	ug/l #	49
56) Ethyl methacrylate	9.19	69	124	0.541	ug/l #	47
64) Tetrachloroethene	9.33	164	1361	0.315	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	120282	21.729	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	120282	55.238	ug/l #	12

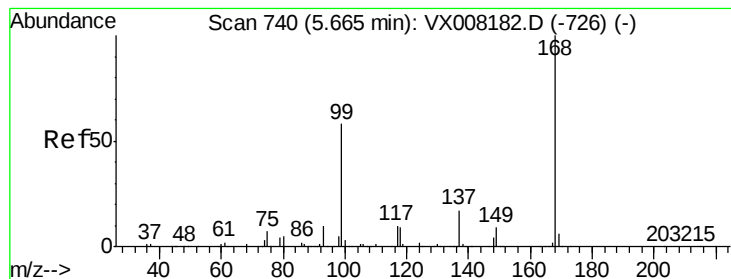
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

Instrument :

MSVOA_X

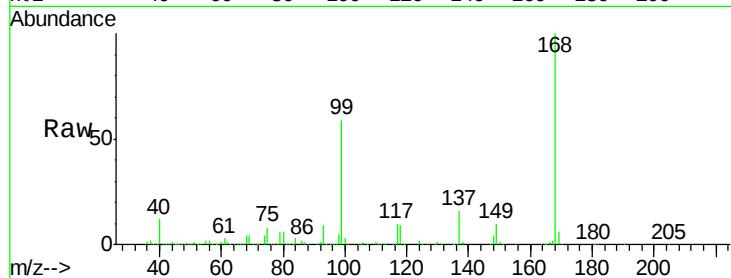
ClientSampleId :

Tot Ion:168 Resp: 346046

Ion Ratio Lower Upper

168 100

99 59.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

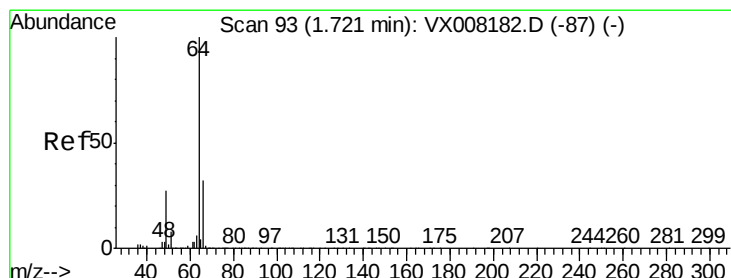
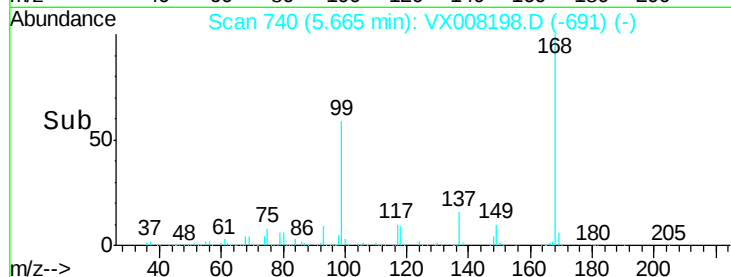
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.663 ug/l

RT: 1.74 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX008198.D

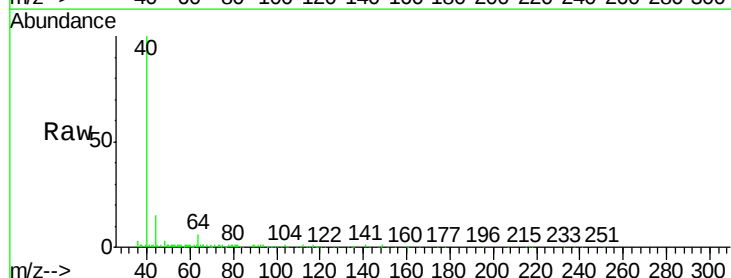
Acq: 19 Mar 2019 18:30

Tgt Ion: 64 Resp: 2181

Ion Ratio Lower Upper

64 100

66 20.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

1200

1000

800

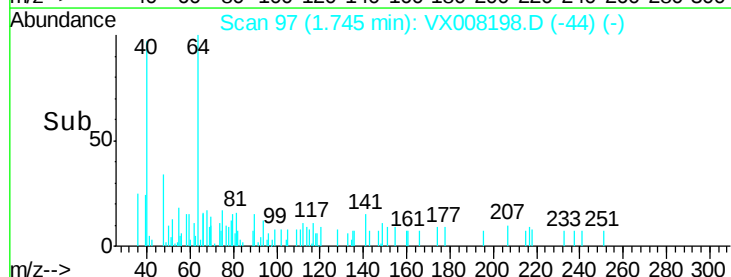
600

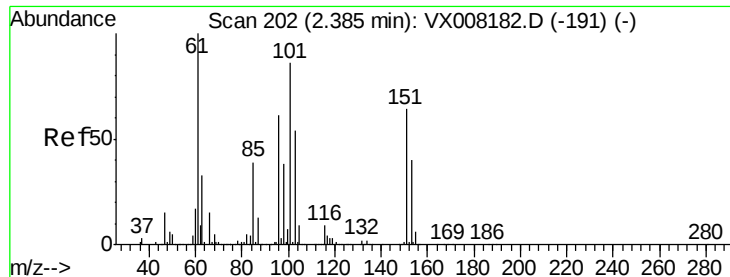
400

200

0

Time--> 1.65 1.70 1.75 1.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.193 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

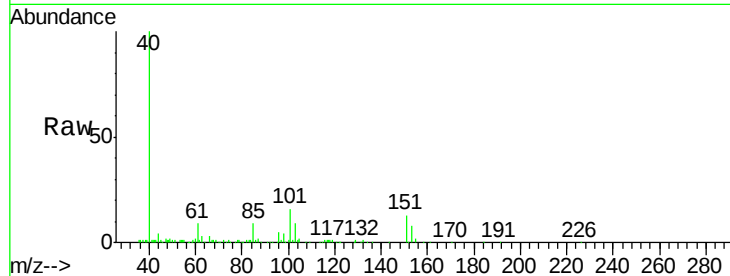
Tot Ion:101 Resp: 5307

Ion Ratio Lower Upper

101 100

85 47.4 33.8 50.6

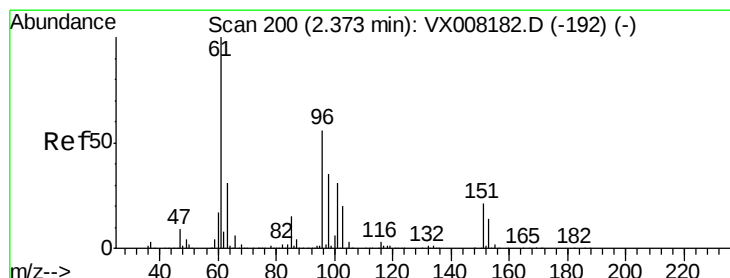
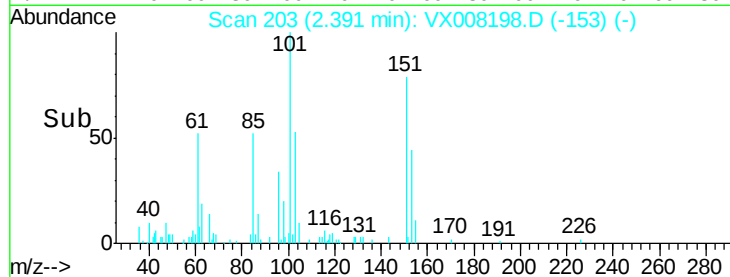
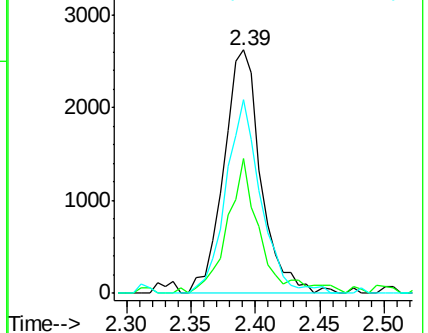
151 74.9 69.1 103.7



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



#12

1,1-Dichloroethene

Concen: 0.647 ug/l

RT: 2.38 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

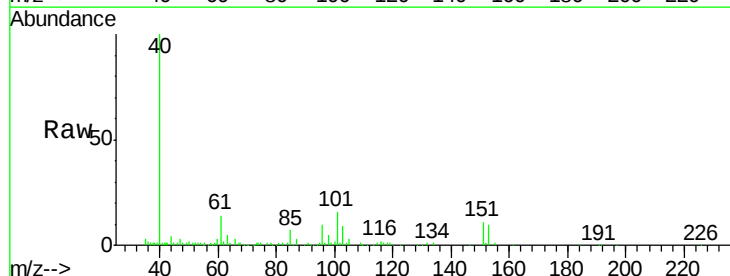
Tgt Ion: 96 Resp: 2716

Ion Ratio Lower Upper

96 100

61 143.9 129.8 194.6

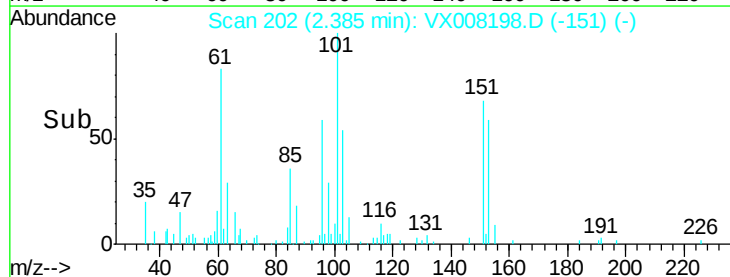
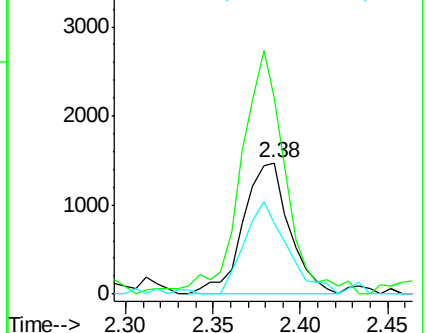
98 53.9 51.0 76.6

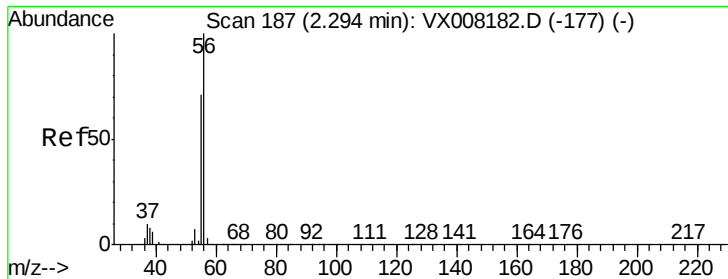


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

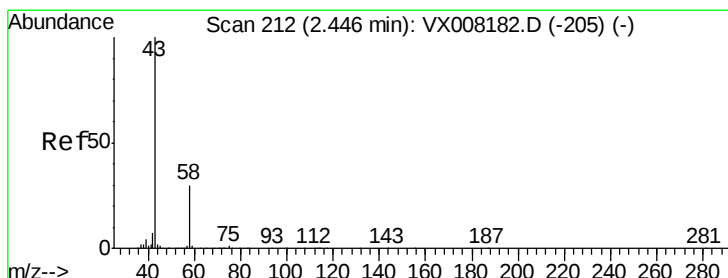
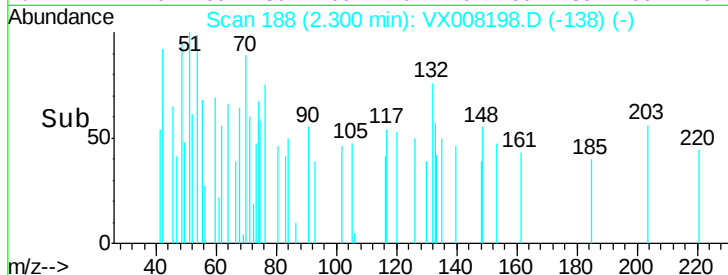
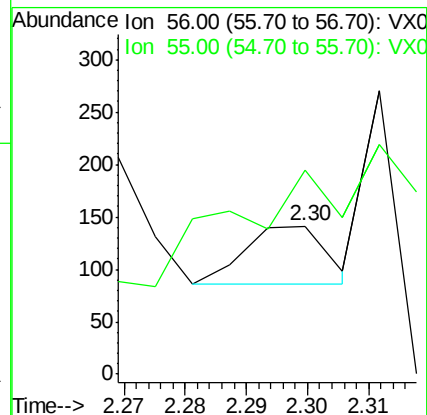
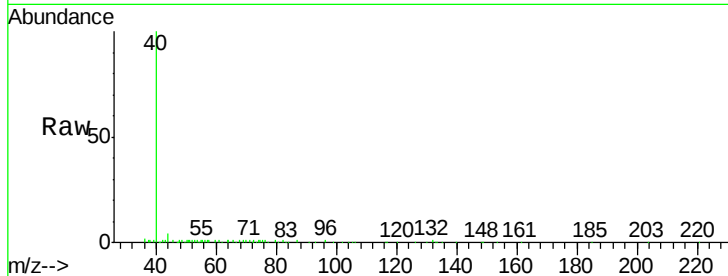
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 51

Ion Ratio Lower Upper

56 100

55 580.4 57.8 86.6#



#16

Acetone

Concen: 0.517 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008198.D

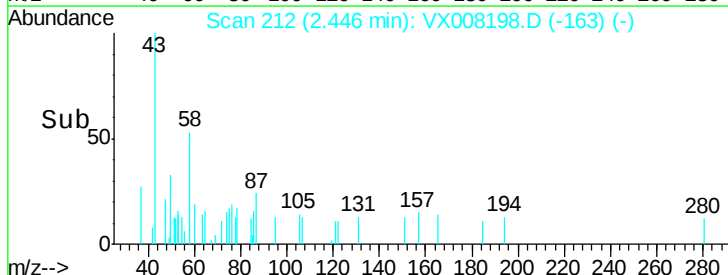
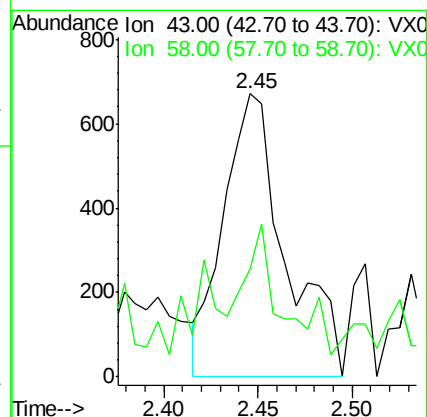
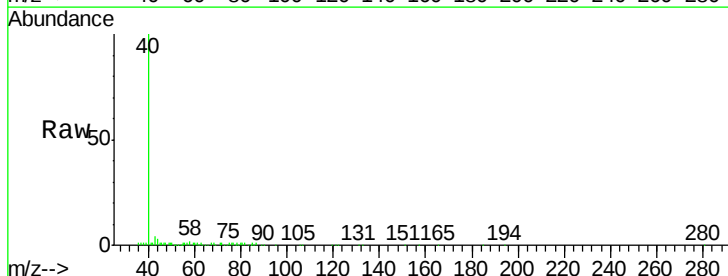
Acq: 19 Mar 2019 18:30

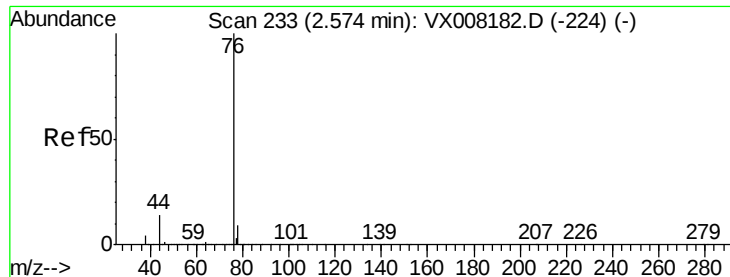
Tgt Ion: 43 Resp: 1528

Ion Ratio Lower Upper

43 100

58 24.9 25.5 38.3#





#17

Carbon Disulfide

Concen: 0.758 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

Instrument :

MSVOA_X

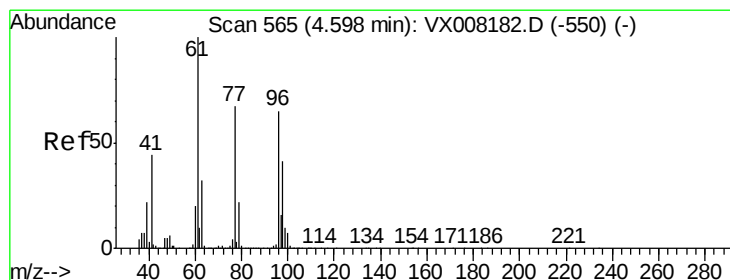
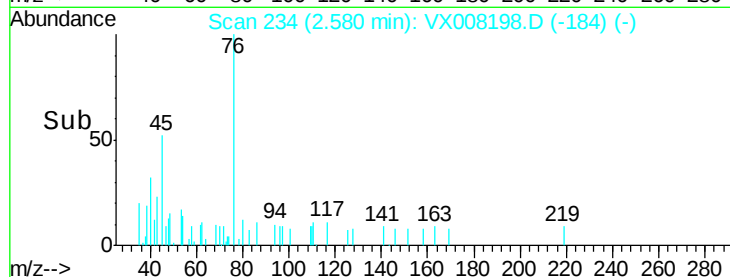
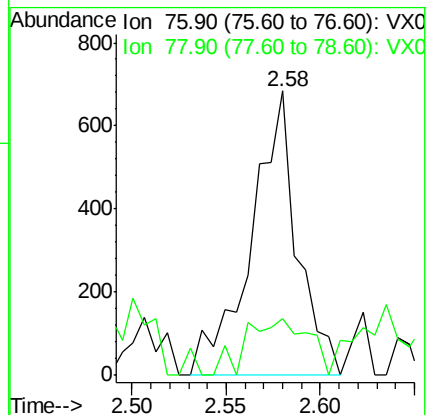
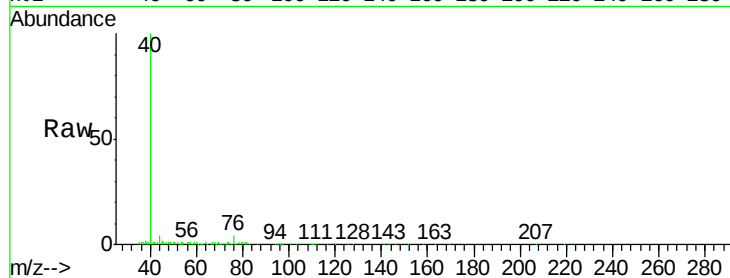
ClientSampleId :

Tot Ion: 76 Resp: 1154

Ion Ratio Lower Upper

76 100

78 10.2 7.2 10.8



#27

cis-1,2-Dichloroethene

Concen: 0.328 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

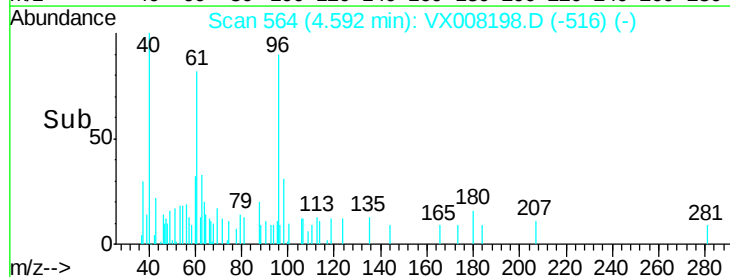
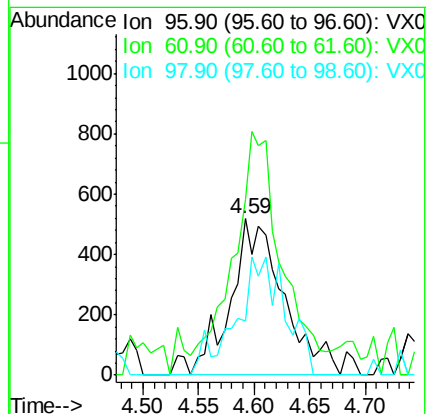
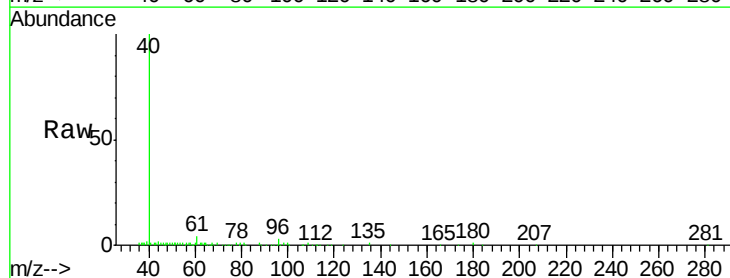
Tgt Ion: 96 Resp: 1696

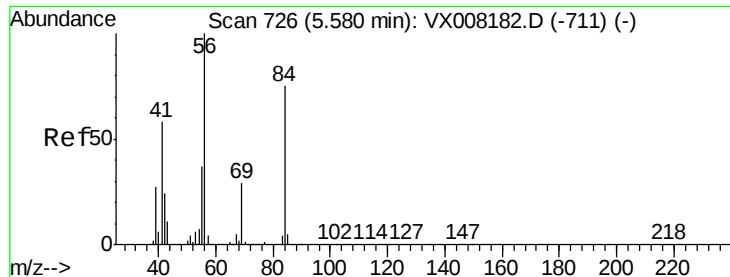
Ion Ratio Lower Upper

96 100

61 144.2 0.0 288.0

98 66.7 0.0 129.0

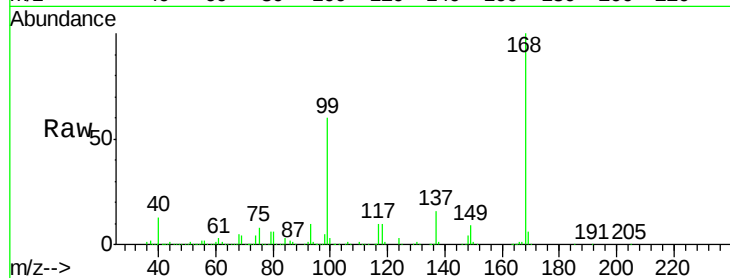




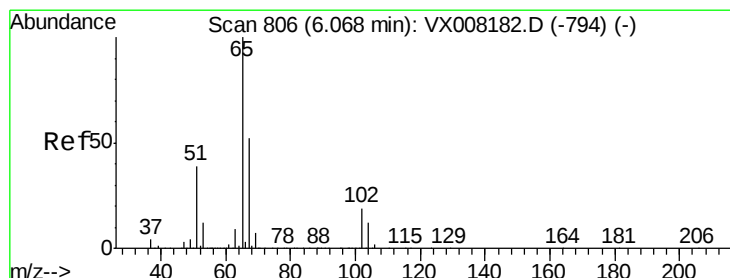
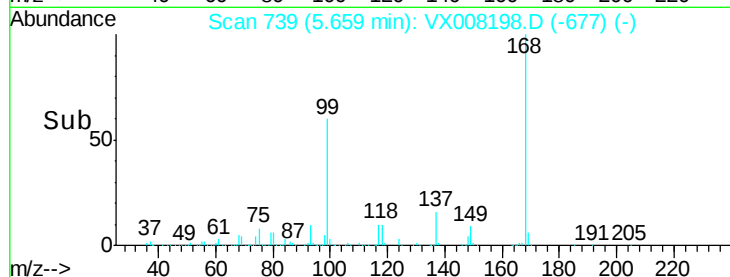
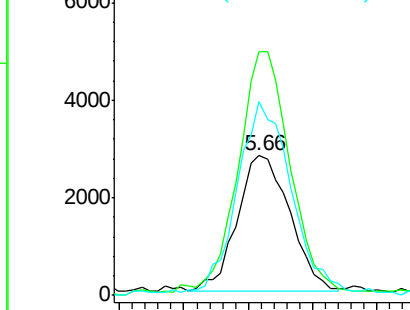
#31
Cyclohexane
Concen: 0.911 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008198.D
Acq: 19 Mar 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 7875
Ion Ratio Lower Upper
56 100
69 175.2 24.0 36.0#
84 138.8 65.3 97.9#

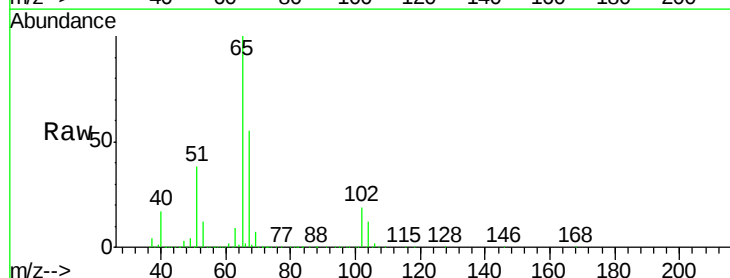


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

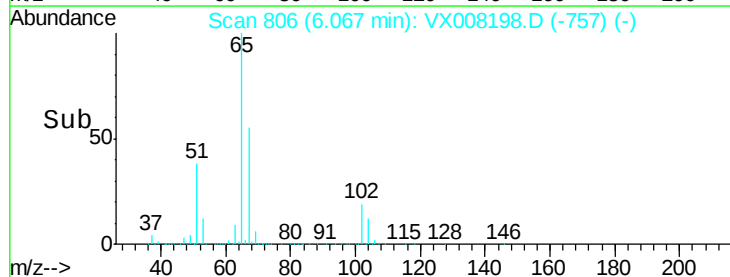
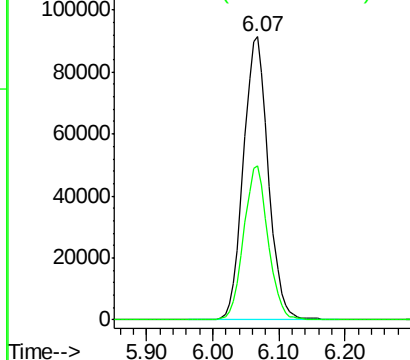


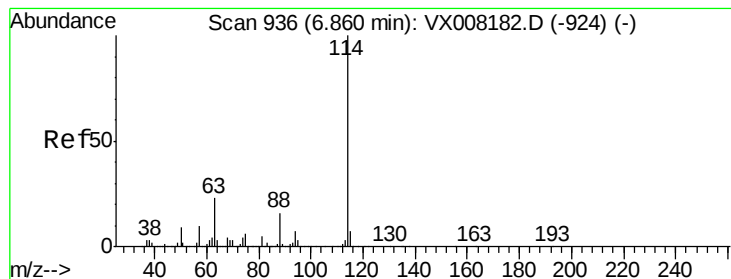
#33
1,2-Dichloroethane-d4
Concen: 46.002 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008198.D
Acq: 19 Mar 2019 18:30

Tgt Ion: 65 Resp: 239750
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.0



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: VX008198.D

Acq: 19 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

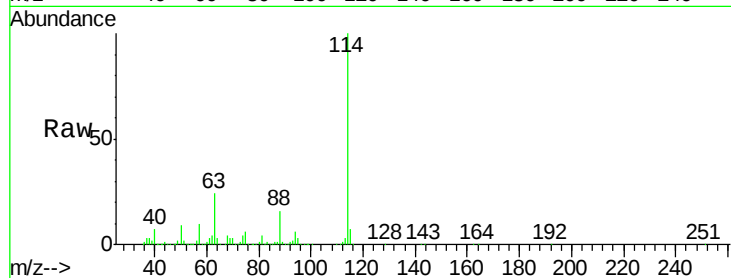
Tot Ion:114 Resp: 556774

Ion Ratio Lower Upper

114 100

63 23.6 0.0 39.8

88 16.3 0.0 31.4



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

300000

250000

200000

150000

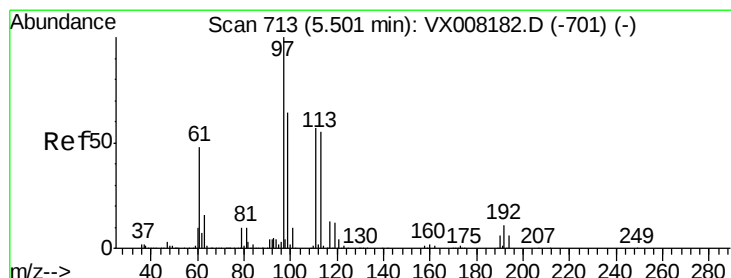
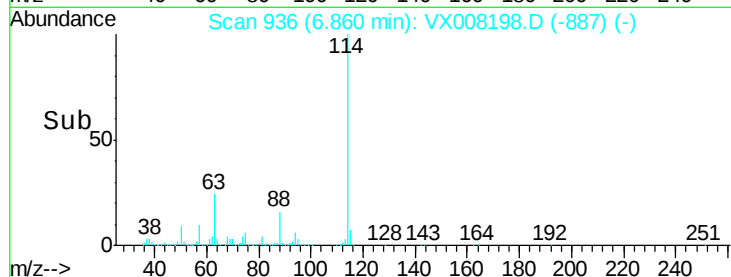
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.065 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

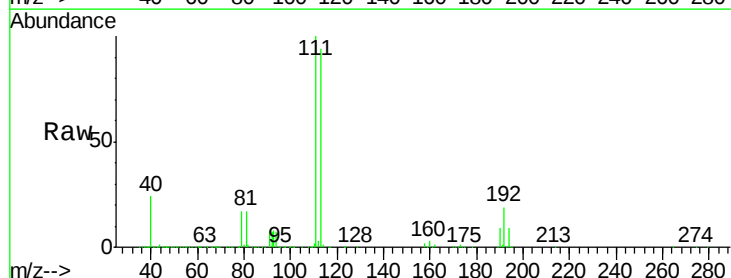
Tgt Ion:113 Resp: 175422

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 20.1 19.4 29.0



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

80000

60000

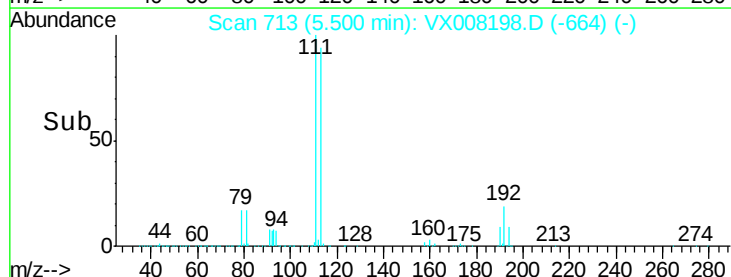
40000

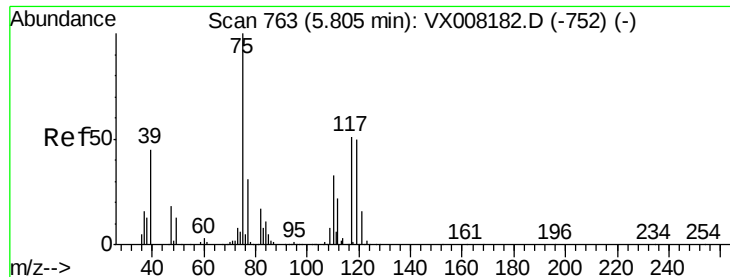
20000

0

5.40 5.50 5.60 5.70

Time-->





#36

1,1-Dichloropropene

Concen: 4.455 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008198.D

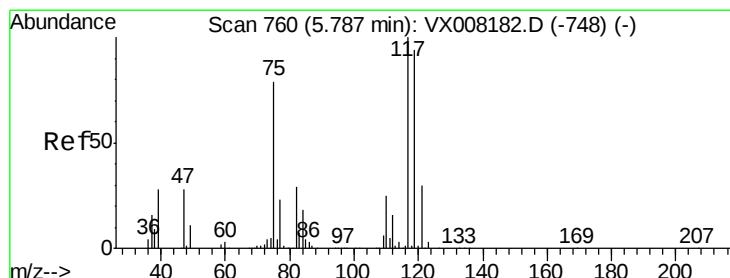
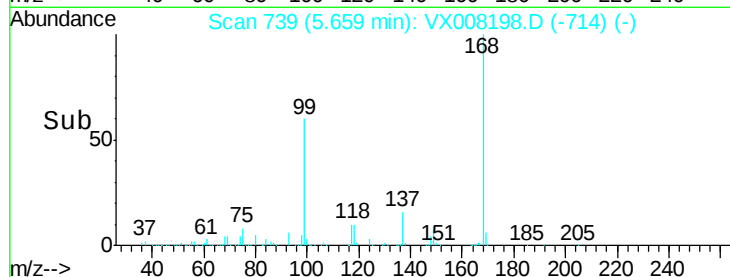
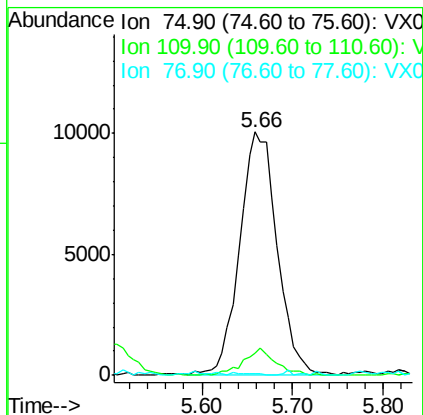
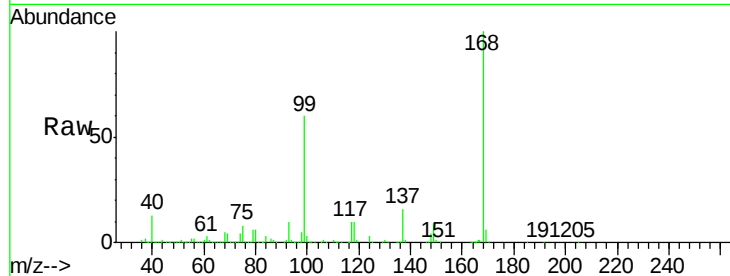
Acq: 19 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	75	Resp:	28880
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.4	55.0#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.989 ug/l

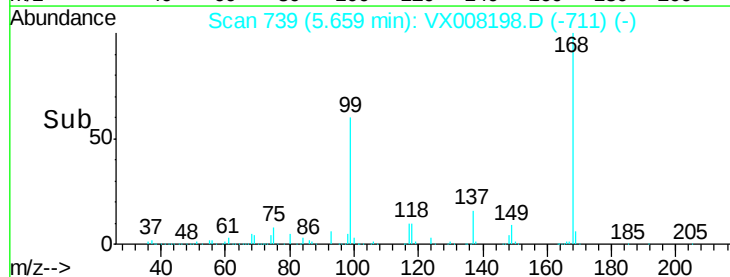
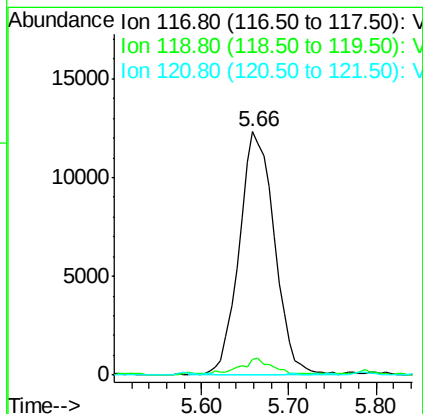
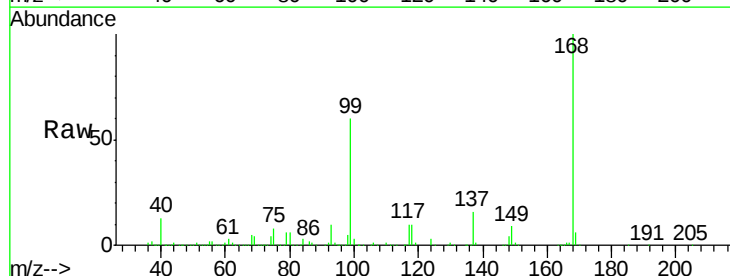
RT: 5.66 min Scan# 739

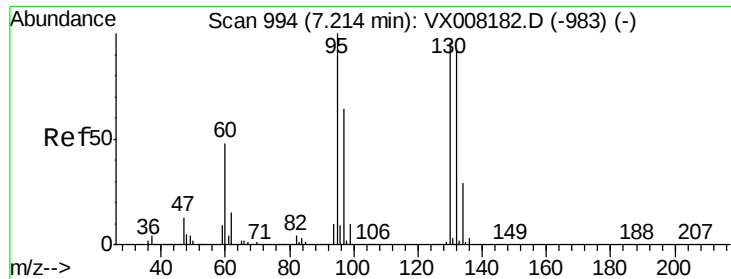
Delta R.T. -0.13 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

Tgt Ion:	117	Resp:	34590
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.2	114.2#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 71.307 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

Instrument :

MSVOA_X

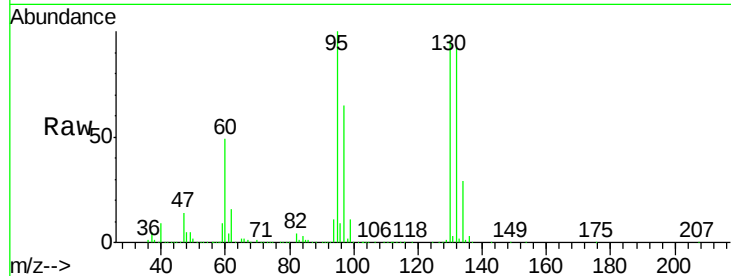
ClientSampleId :

Tot Ion:130 Resp: 334517

Ion Ratio Lower Upper

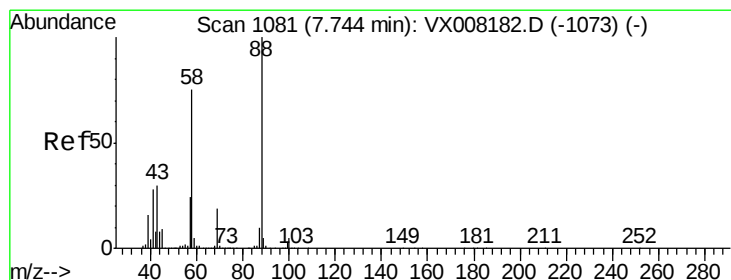
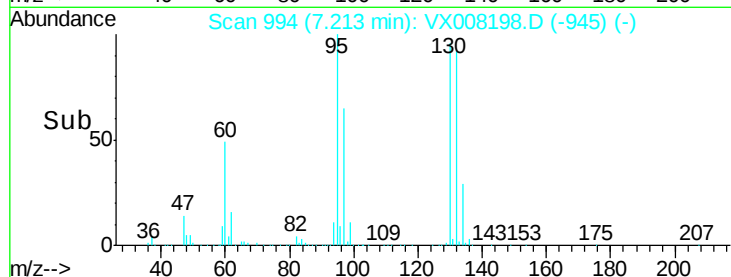
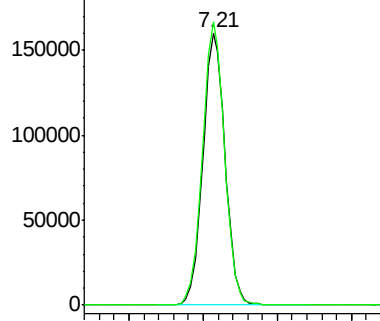
130 100

95 104.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 3.375 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

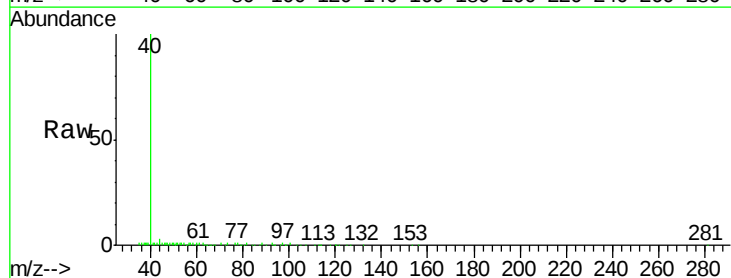
Tgt Ion: 88 Resp: 389

Ion Ratio Lower Upper

88 100

43 24.2 25.1 37.7#

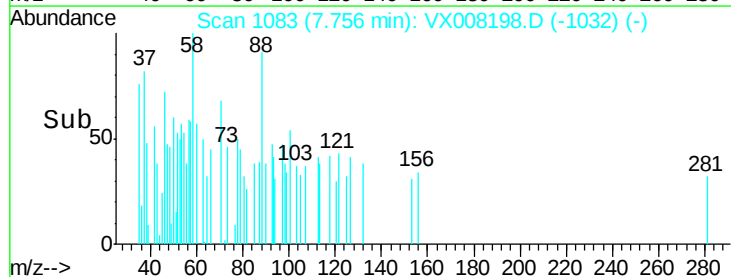
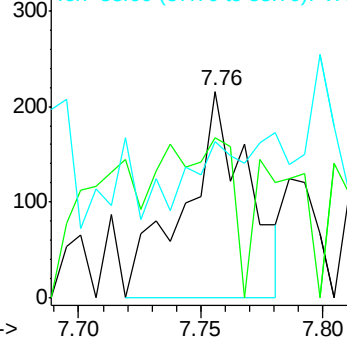
58 0.0 57.8 86.6#

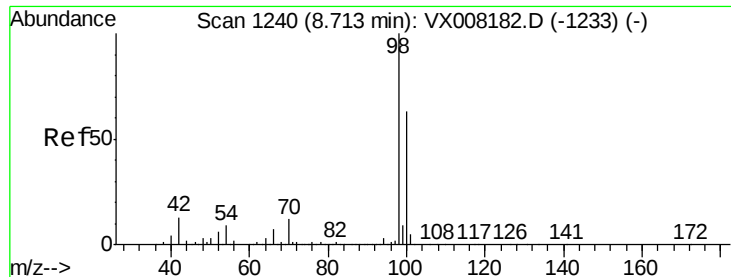


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.158 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

Instrument :

MSVOA_X

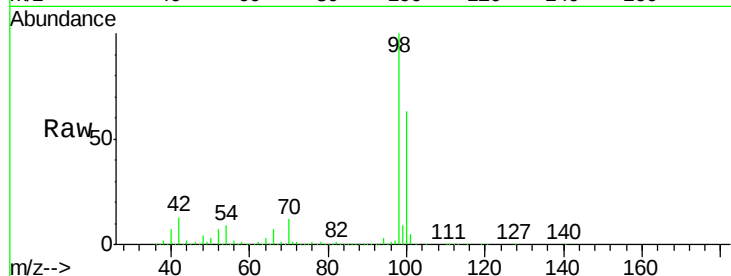
ClientSampled :

Tot Ion: 98 Resp: 694659

Ion Ratio Lower Upper

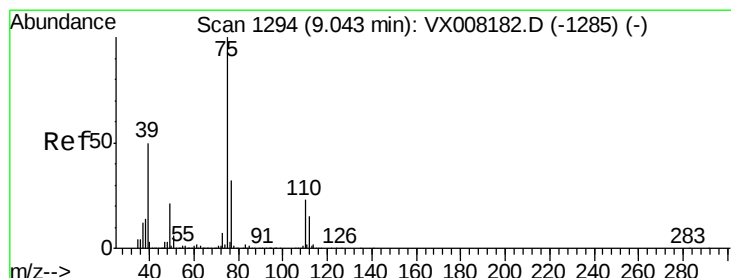
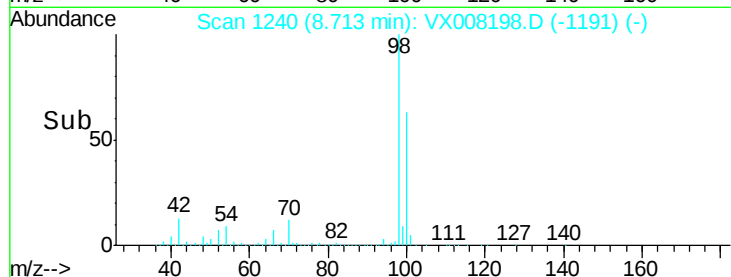
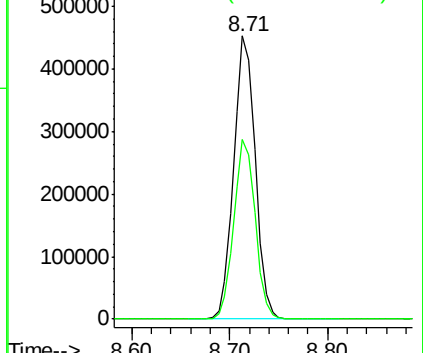
98 100

100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#53

t-1,3-Dichloropropene

Concen: 1.452 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008198.D

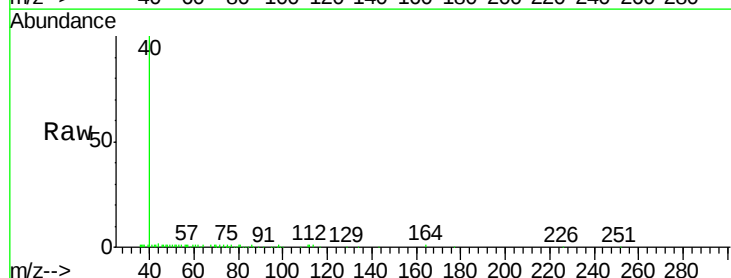
Acq: 19 Mar 2019 18:30

Tgt Ion: 75 Resp: 238

Ion Ratio Lower Upper

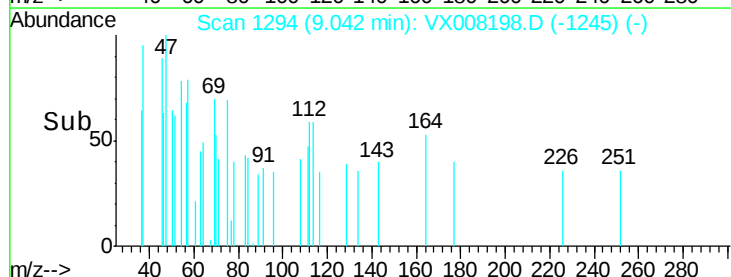
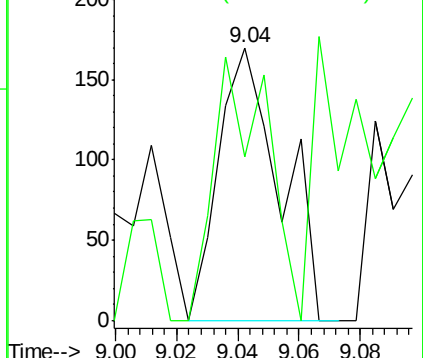
75 100

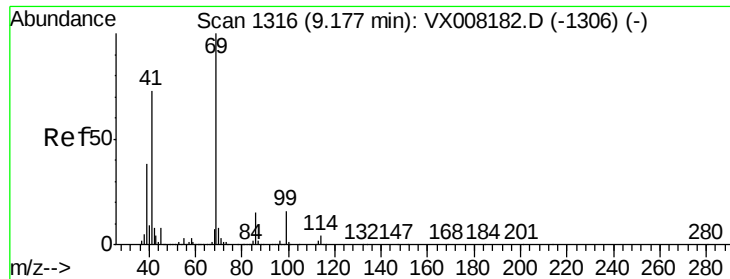
77 60.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#56

Ethyl methacrylate

Concen: 0.541 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

Instrument :
MSVOA_X
ClientSampled :

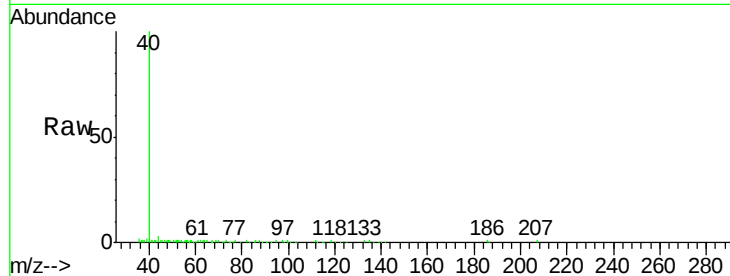
Tot Ion: 69 Resp: 124

Ion Ratio Lower Upper

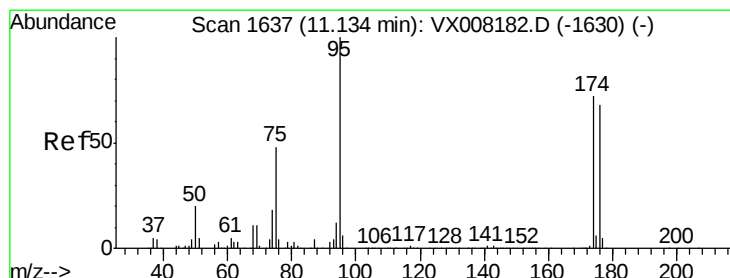
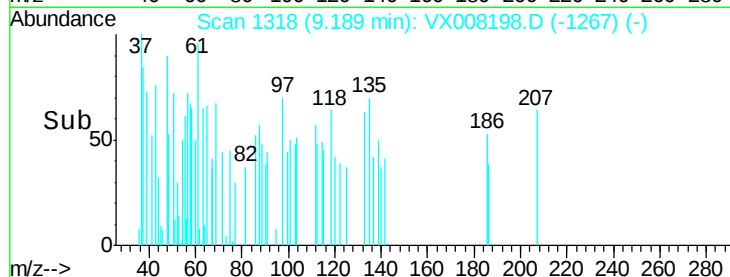
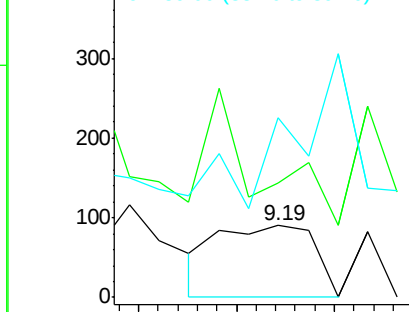
69 100

41 72.6 54.2 81.4

39 116.9 25.0 37.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.311 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

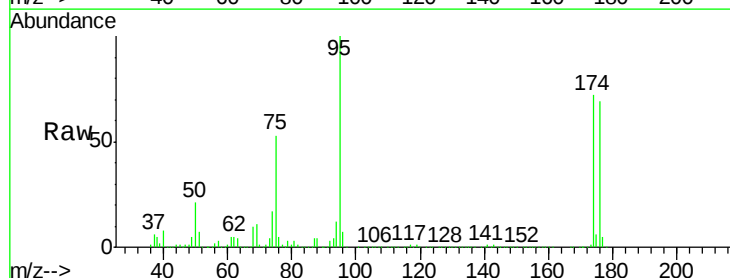
Tgt Ion: 95 Resp: 225333

Ion Ratio Lower Upper

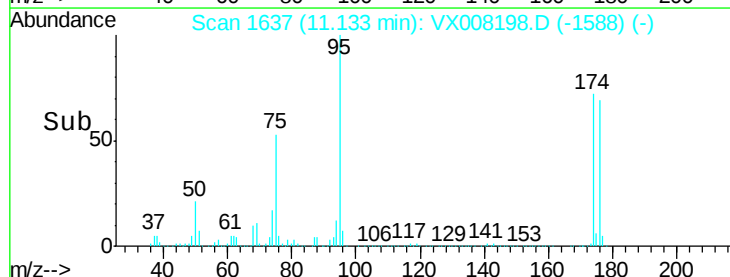
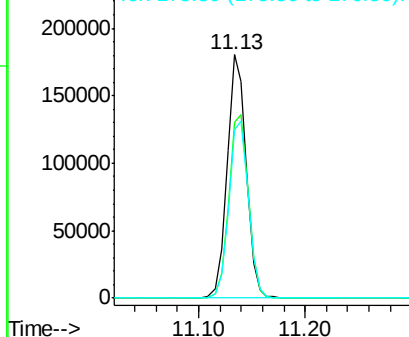
95 100

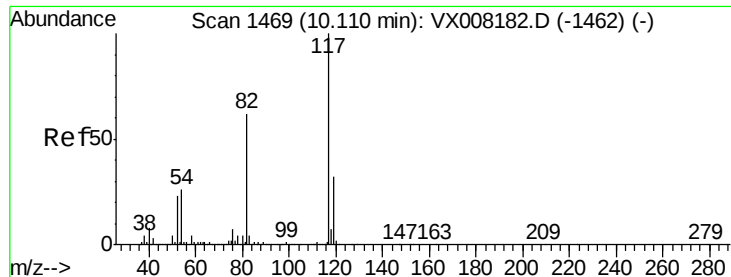
174 78.2 0.0 182.8

176 75.3 0.0 178.0



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

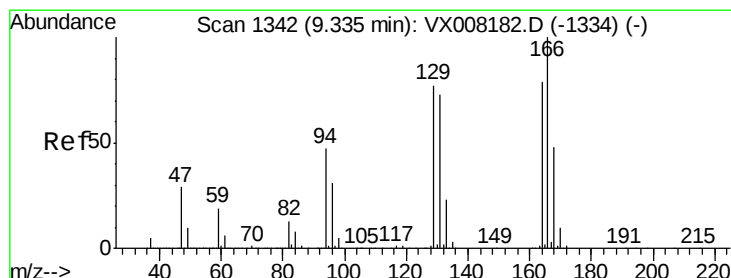
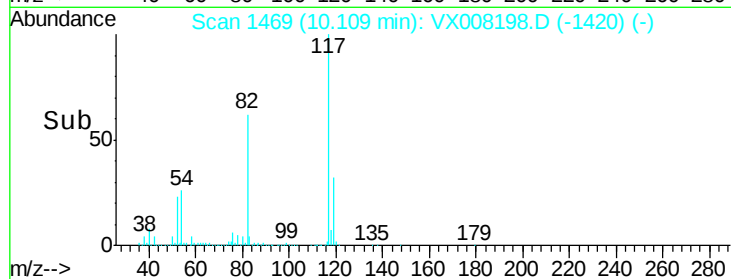
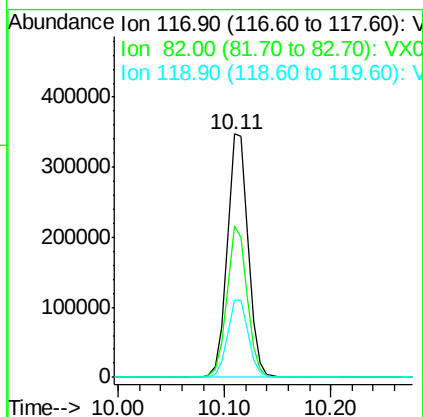
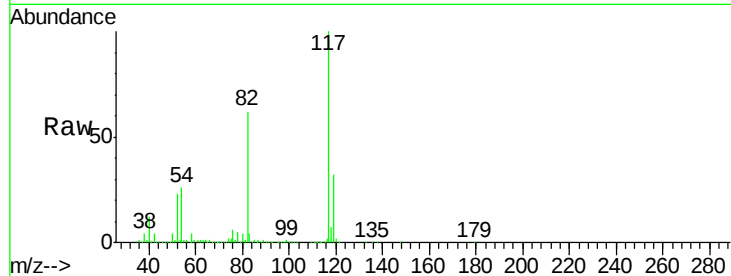




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008198.D
Acq: 19 Mar 2019 18:30

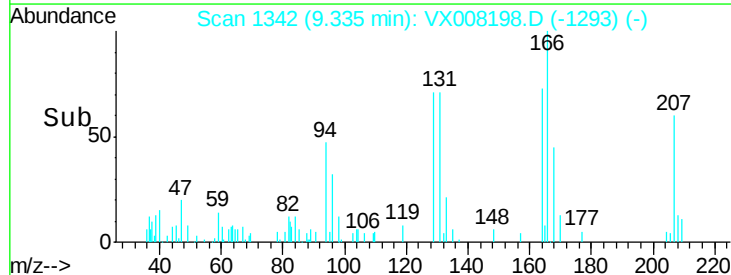
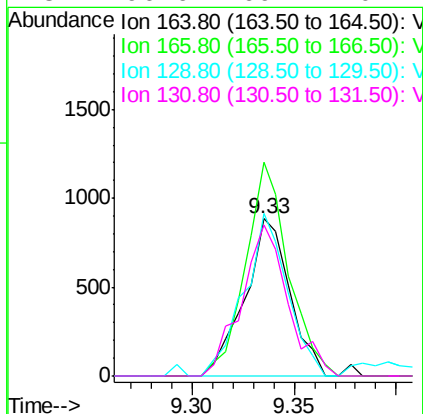
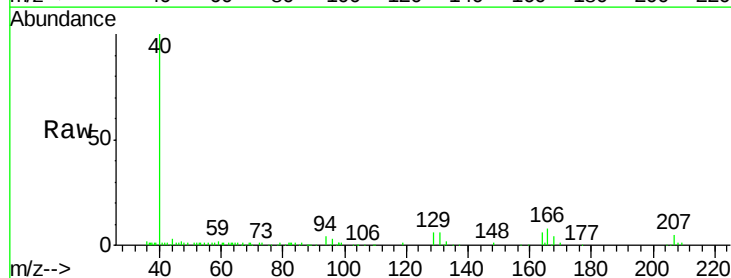
Instrument :
MSVOA_X
ClientSampleId :

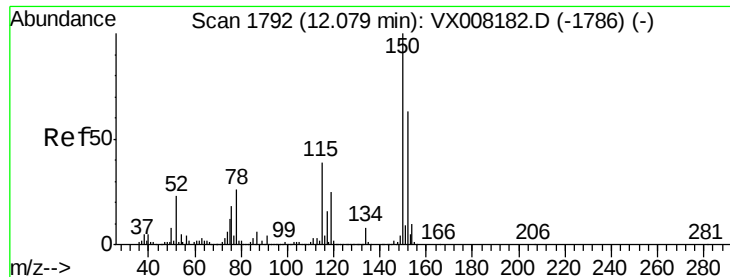
Tot Ion:117 Resp: 478304
Ion Ratio Lower Upper
117 100
82 62.4 44.3 66.5
119 31.8 25.3 37.9



#64
Tetrachloroethene
Concen: 0.315 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008198.D
Acq: 19 Mar 2019 18:30

Tgt Ion:164 Resp: 1361
Ion Ratio Lower Upper
164 100
166 136.1 103.4 155.0
129 104.0 72.2 108.4
131 96.6 69.4 104.2



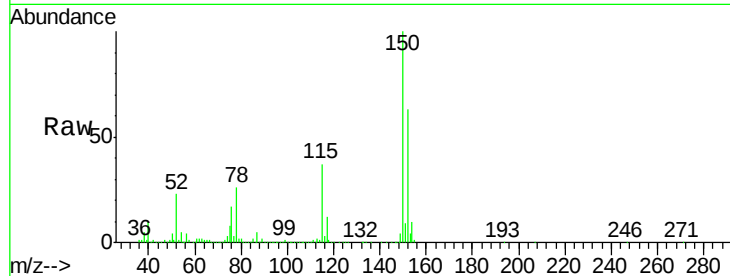


#72

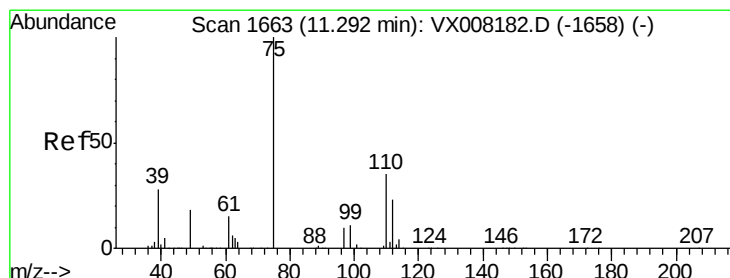
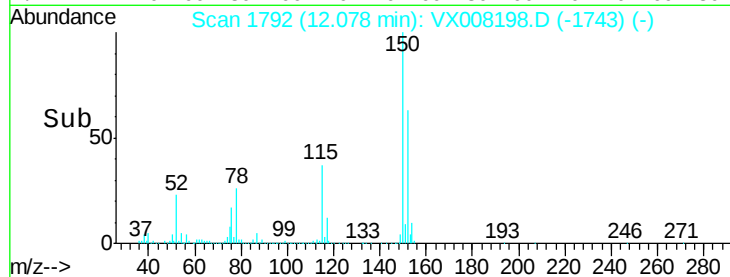
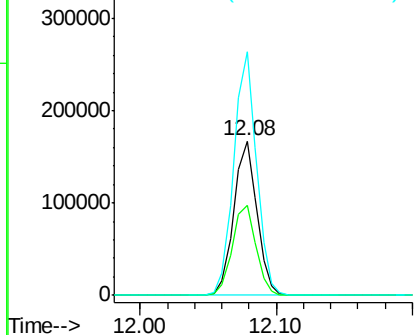
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008198.D
Acq: 19 Mar 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 196814
Ion Ratio Lower Upper
152 100
115 60.5 38.6 115.7
150 155.9 0.0 348.4



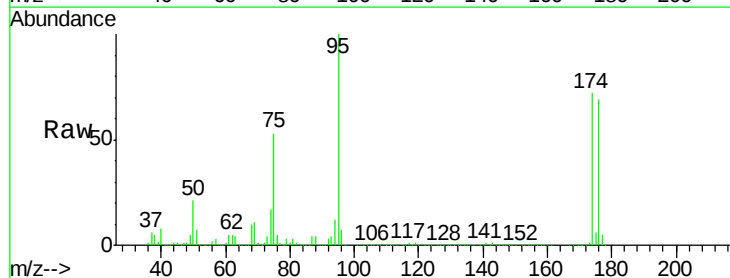
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



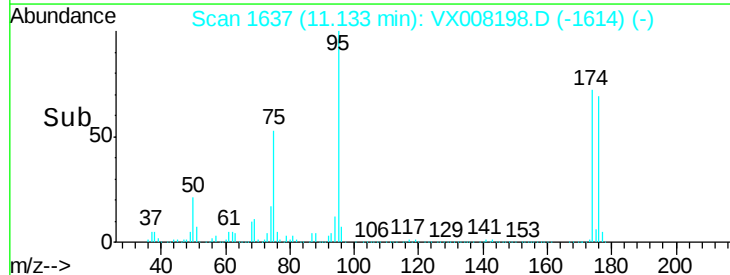
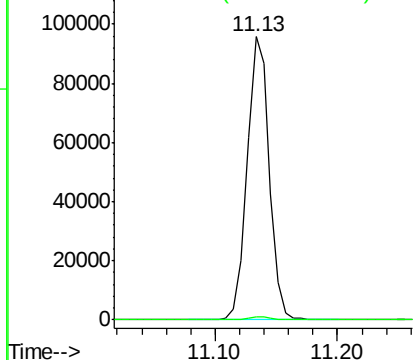
#76

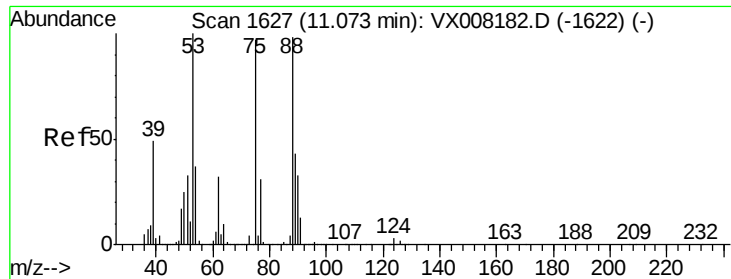
1,2,3-Trichloropropane
Concen: 21.729 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008198.D
Acq: 19 Mar 2019 18:30

Tgt Ion: 75 Resp: 120282
Ion Ratio Lower Upper
75 100
77 1.3 18.9 56.7#



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: 55.238 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008198.D

Acq: 19 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 120282

Ion Ratio Lower Upper

75 100

53 0.5 76.1 114.1#

89 0.1 36.3 54.5#

