

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002805.D
 Acq On : 21 Jun 2018 23:35
 Operator : JC/MD
 Sample : VX0621WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

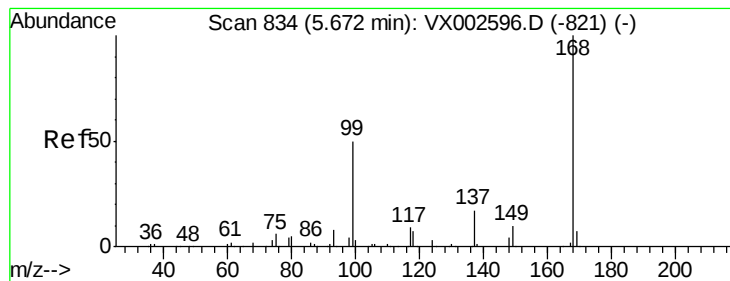
Quant Time: Jun 22 02:22:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	174250	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	160377	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	
35) Dibromofluoromethane	5.51	113	126460	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	8.72	98	469634	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	11.14	95	164842	43.70	ug/l	0.00
Spiked Amount			Recovery	=	87.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1207	0.65	ug/l #	74
10) Methyl Iodide	2.52	142	2314	5.74	ug/l #	97
13) Acrolein	2.29	56	365	7.90	ug/l #	70
15) Acrylonitrile	3.16	53	758	0.47	ug/l #	81
16) Acetone	2.45	43	1268	0.81	ug/l	97
17) Carbon Disulfide	2.57	76	1719	0.28	ug/l	98
18) Methyl Acetate	2.79	43	1114	0.27	ug/l #	80
36) 1,1-Dichloropropene	5.67	75	16086	4.61	ug/l #	47
38) Carbon Tetrachloride	5.67	117	21549	6.20	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	2640	0.63	ug/l #	1
53) t-1,3-Dichloropropene	8.43	75	65	2.41	ug/l #	11
54) cis-1,3-Dichloropropene	9.06	75	244	3.27	ug/l #	36
60) Dibromochloromethane	9.34	129	282	3.85	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	86148	26.20	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	86148	81.00	ug/l #	7
90) Hexachloroethane	12.38	117	20	2.64	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002805.D

Acq: 21 Jun 2018 23:35

Instrument :

MSVOA_X

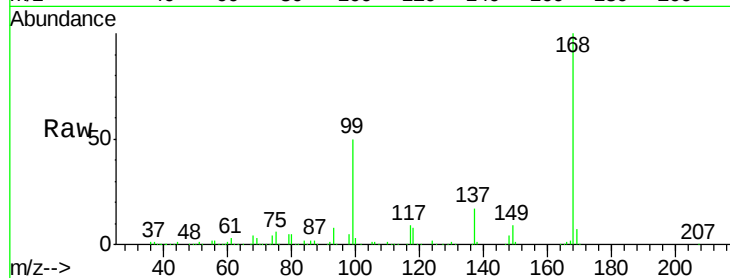
ClientSampleId :

Tot Ion:168 Resp: 233167

Ion Ratio Lower Upper

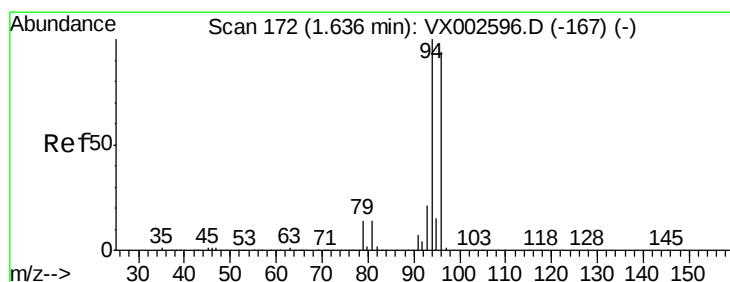
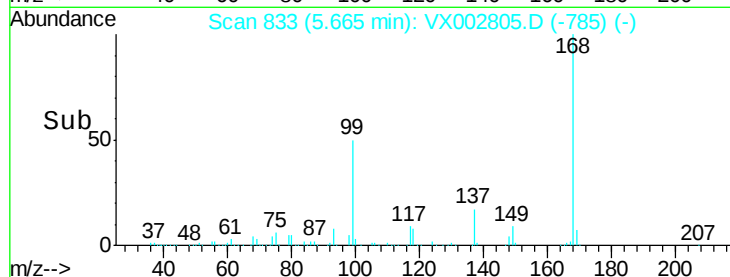
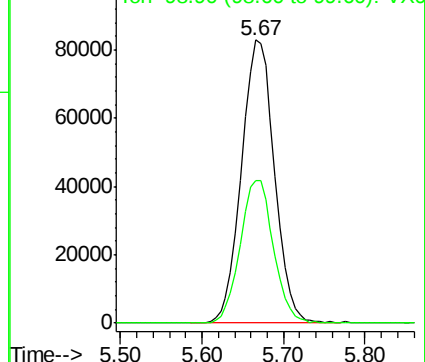
168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.65 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002805.D

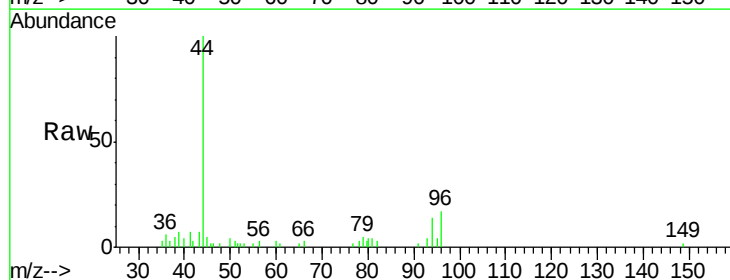
Acq: 21 Jun 2018 23:35

Tgt Ion: 94 Resp: 1207

Ion Ratio Lower Upper

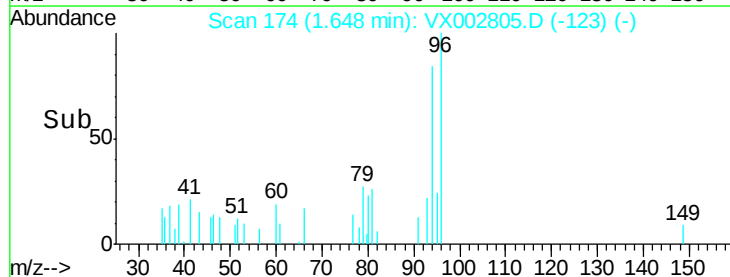
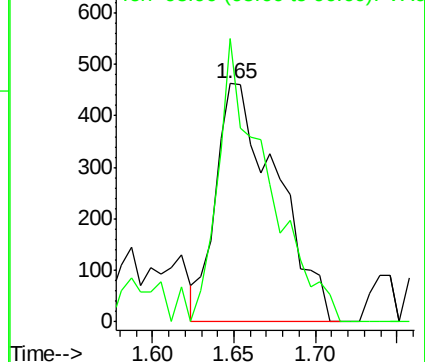
94 100

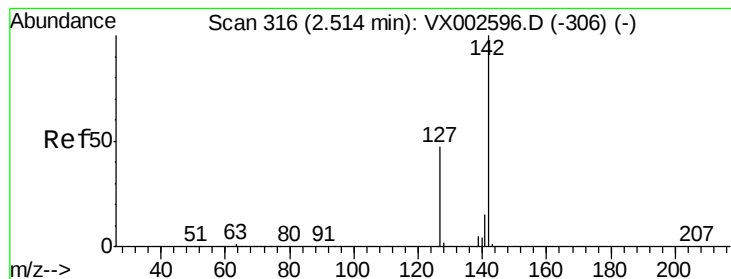
96 118.8 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methvl Iodide

Concen: 5.74 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002805.D

Acq: 21 Jun 2018 23:35

Instrument :

MSVOA_X

ClientSampled :

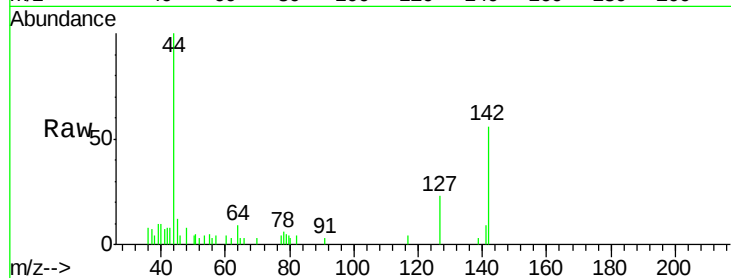
Tot Ion:142 Resp: 2314

Ion Ratio Lower Upper

142 100

127 45.0 36.6 55.0

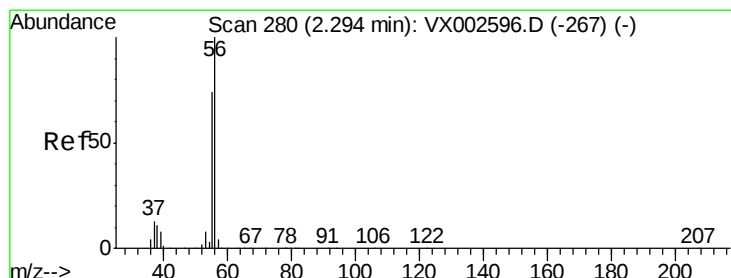
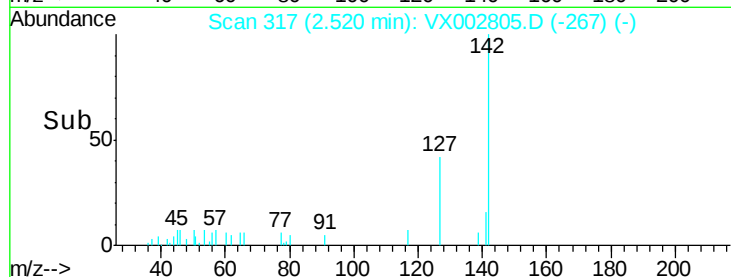
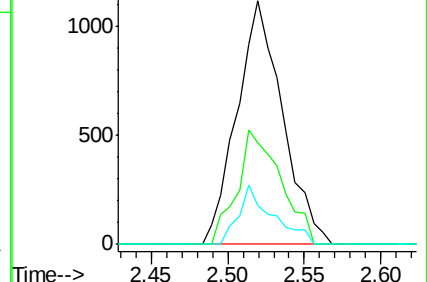
141 18.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 7.90 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002805.D

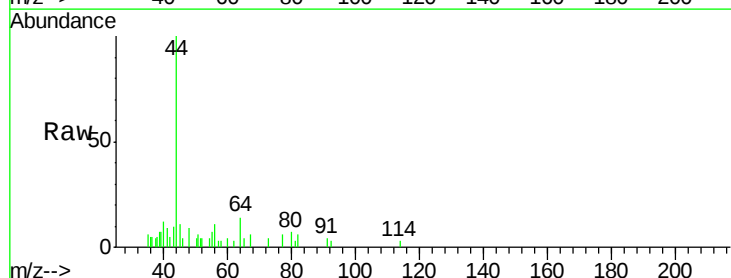
Acq: 21 Jun 2018 23:35

Tgt Ion: 56 Resp: 365

Ion Ratio Lower Upper

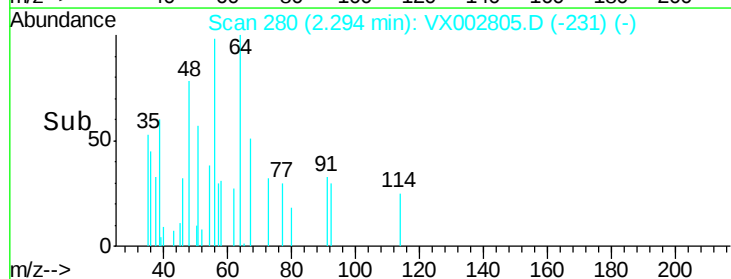
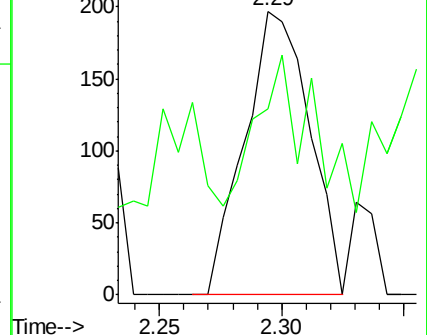
56 100

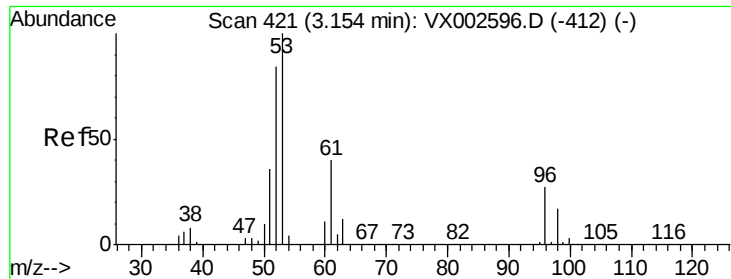
55 46.3 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.47 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002805.D

Acq: 21 Jun 2018 23:35

Instrument :
MSVOA_X
ClientSampled :

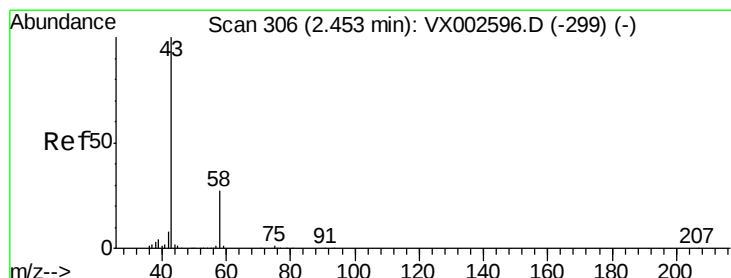
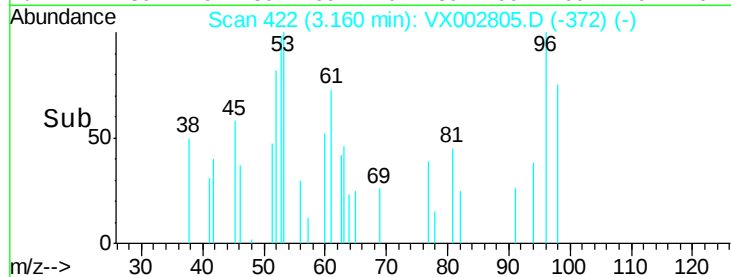
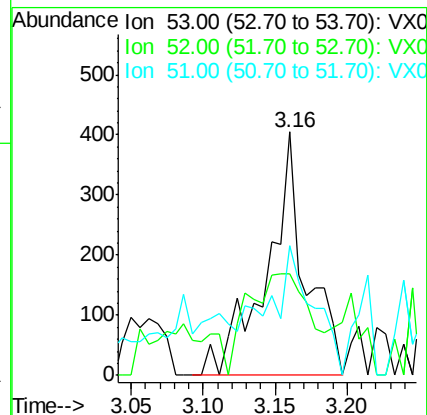
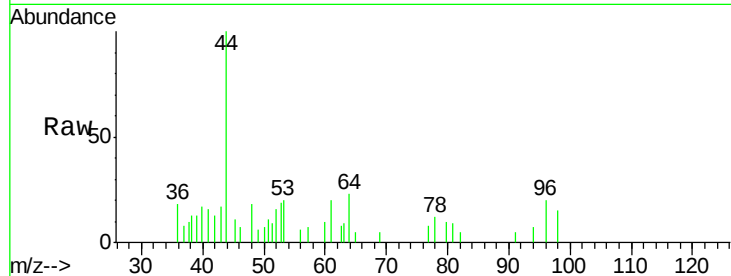
Tot Ion: 53 Resp: 758

Ion Ratio Lower Upper

53 100

52 66.8 66.7 100.1

51 48.7 29.9 44.9#



#16

Acetone

Concen: 0.81 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002805.D

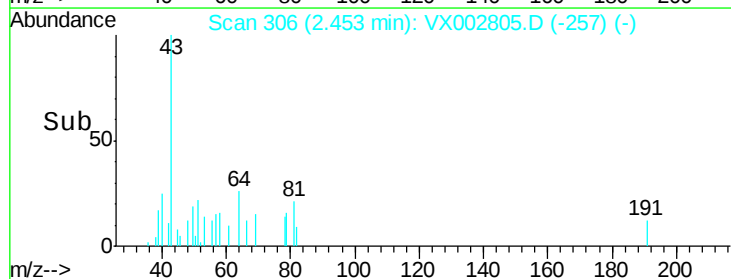
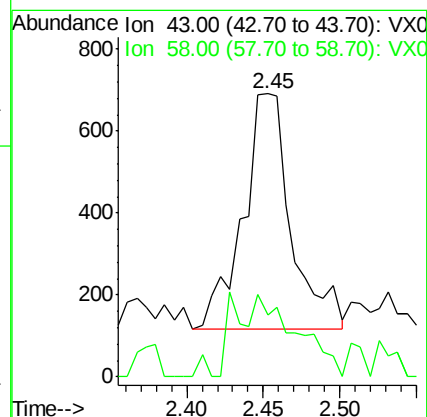
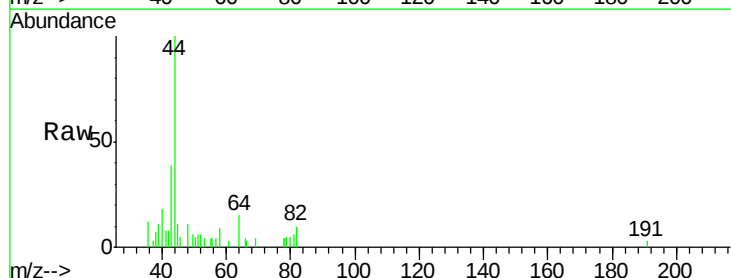
Acq: 21 Jun 2018 23:35

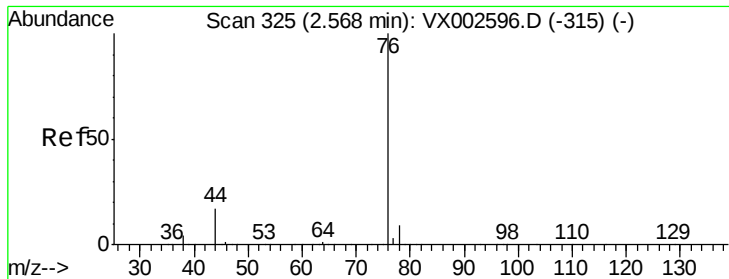
Tgt Ion: 43 Resp: 1268

Ion Ratio Lower Upper

43 100

58 26.1 22.1 33.1

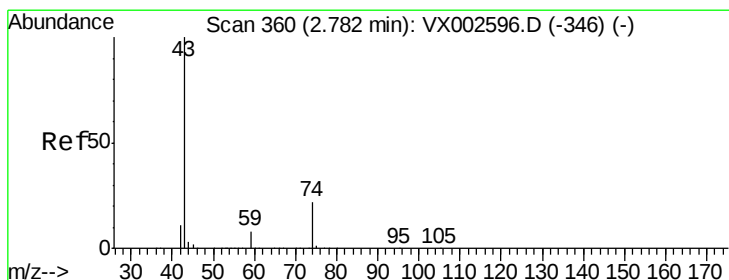
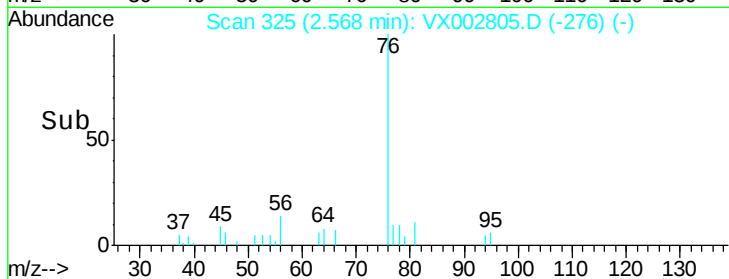
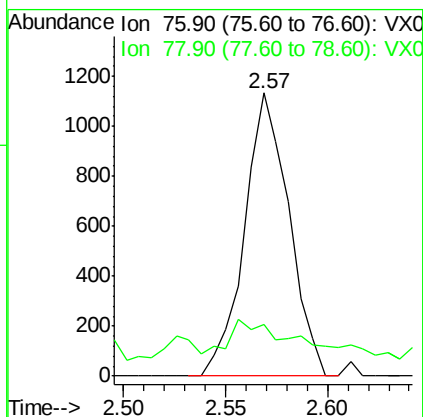
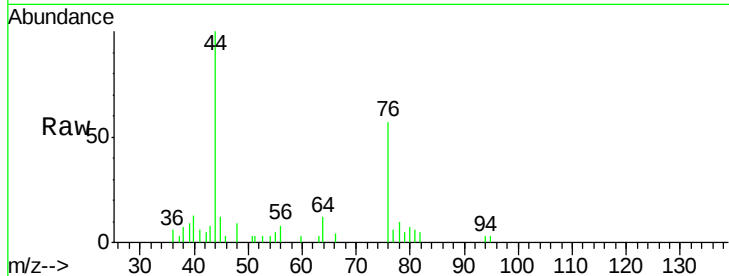




#17
Carbon Disulfide
Concen: 0.28 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

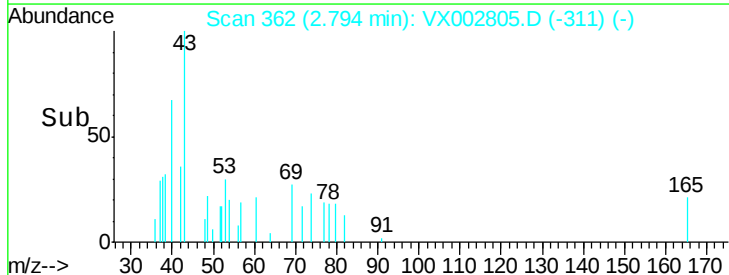
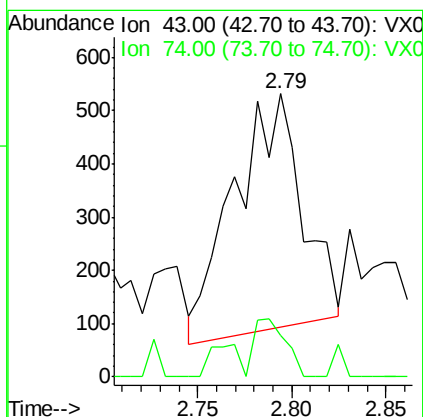
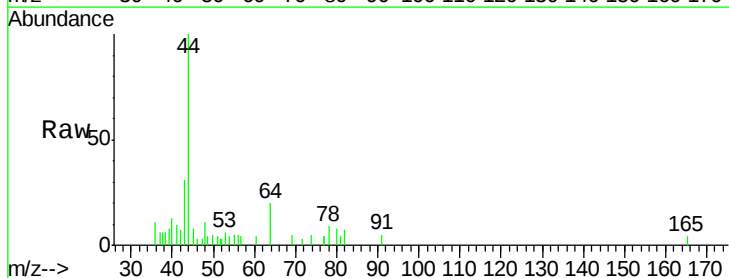
Instrument :
MSVOA_X
ClientSampleId :

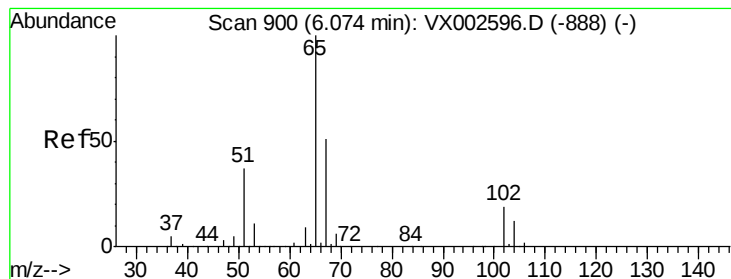
Tot Ion: 76 Resp: 1719
Ion Ratio Lower Upper
76 100
78 7.9 6.9 10.3



#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
74 11.4 16.7 25.1#





#33

1,2-Dichloroethane-d4

Concen: 45.26 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002805.D

Acq: 21 Jun 2018 23:35

Instrument :

MSVOA_X

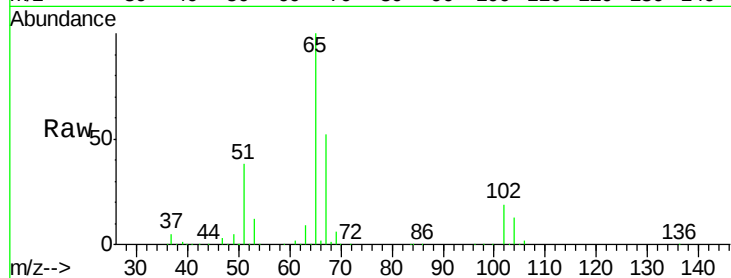
ClientSampleId :

Tot Ion: 65 Resp: 160377

Ion Ratio Lower Upper

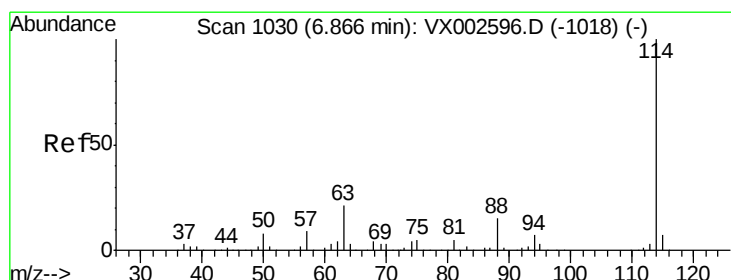
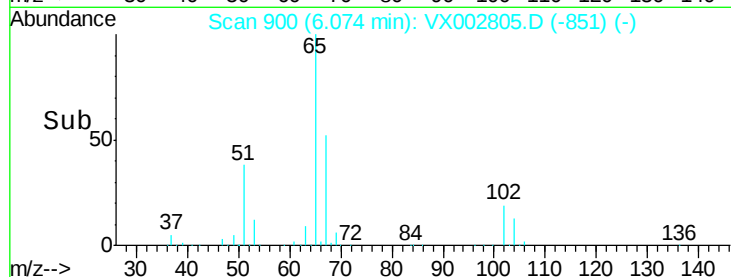
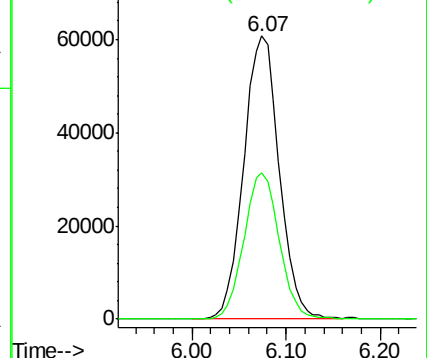
65 100

67 51.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002805.D

Acq: 21 Jun 2018 23:35

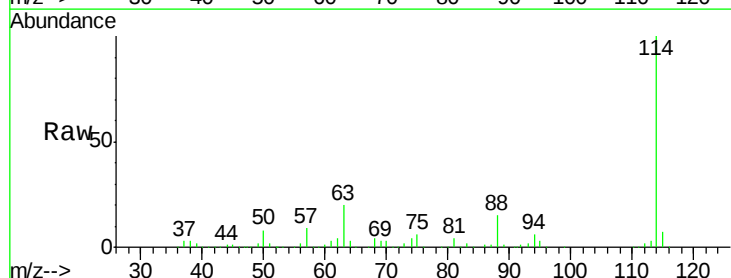
Tgt Ion: 114 Resp: 328486

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

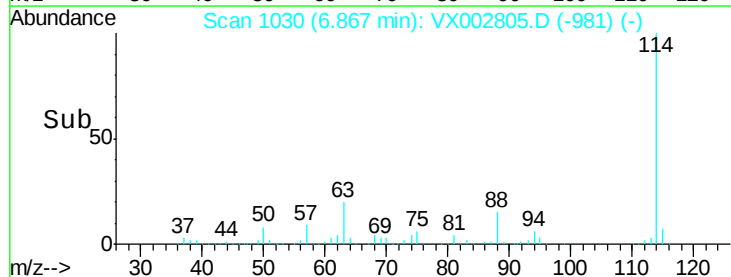
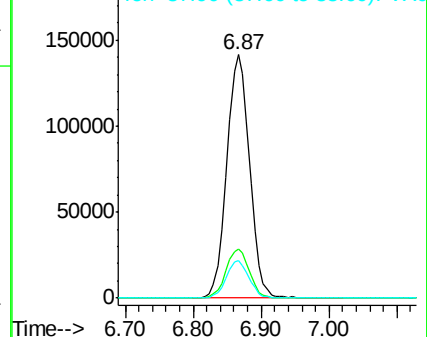
88 15.4 0.0 30.0

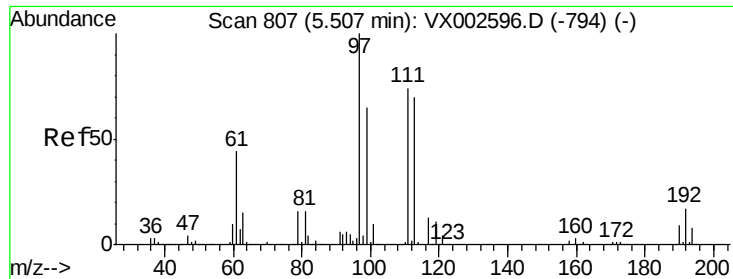


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

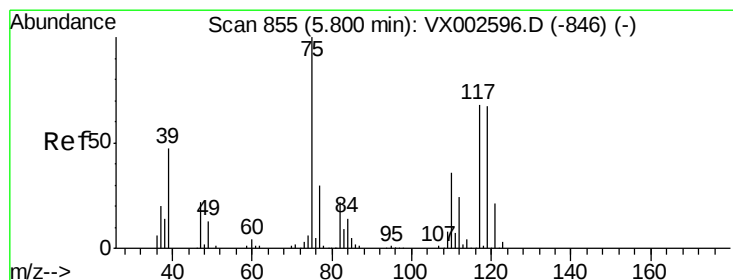
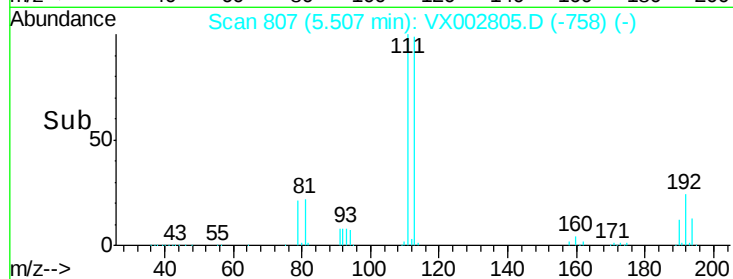
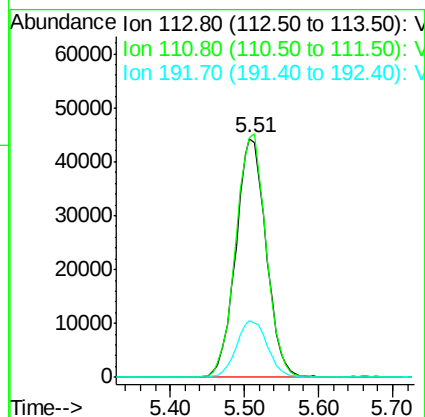
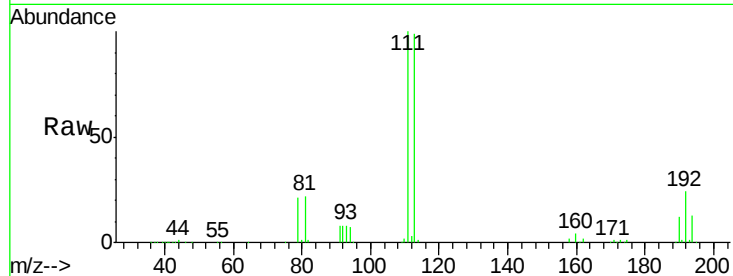




#35
 Dibromofluoromethane
 Concen: 48.24 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002805.D
 Acq: 21 Jun 2018 23:35

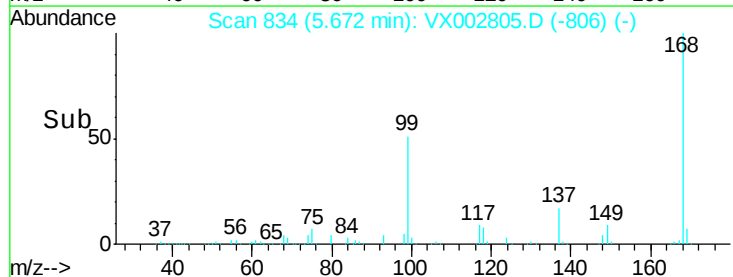
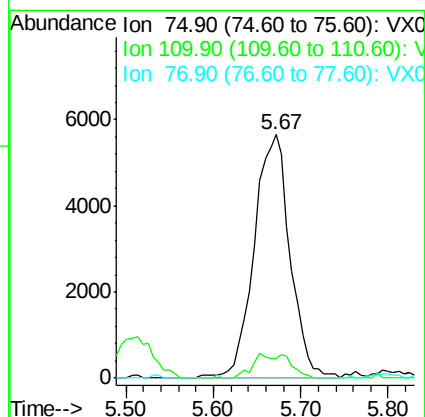
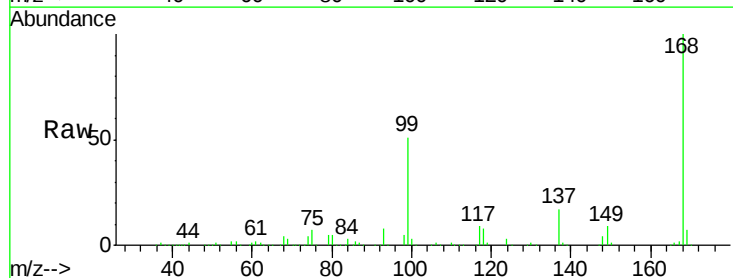
Instrument :
 MSVOA_X
 ClientSampled :

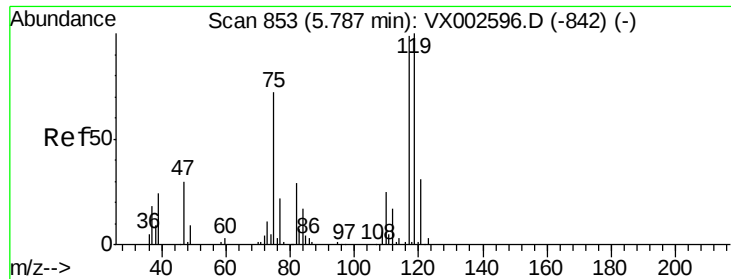
Tot Ion:113 Resp: 126460
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.0
 192 24.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002805.D
 Acq: 21 Jun 2018 23:35

Tgt Ion: 75 Resp: 16086
 Ion Ratio Lower Upper
 75 100
 110 6.2 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.20 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002805.D

Acq: 21 Jun 2018 23:35

Instrument :

MSVOA_X

ClientSampleId :

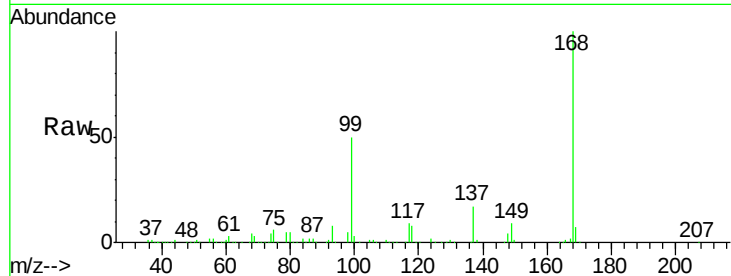
Tot Ion:117 Resp: 21549

Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

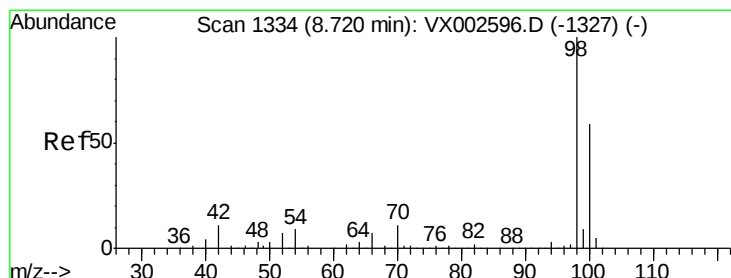
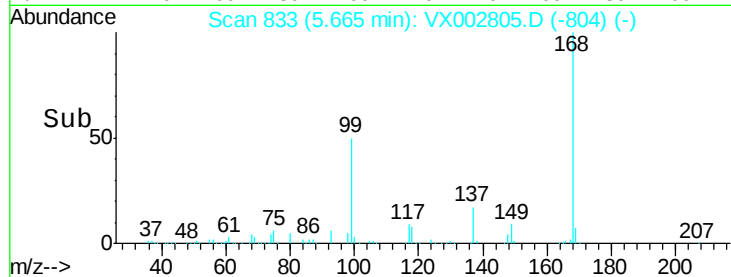
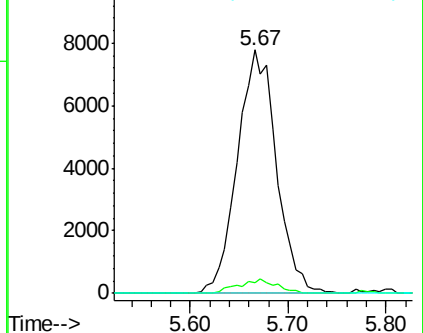
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 47.18 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002805.D

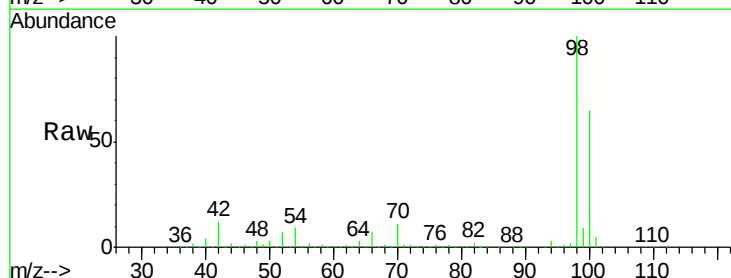
Acq: 21 Jun 2018 23:35

Tgt Ion: 98 Resp: 469634

Ion Ratio Lower Upper

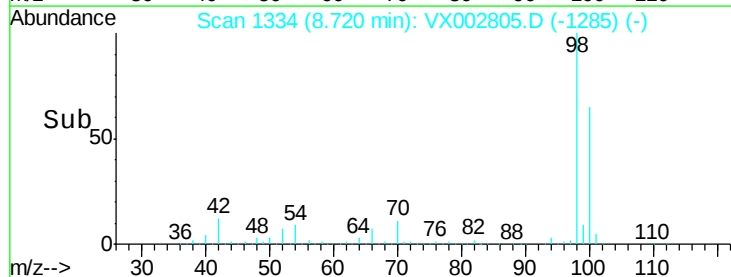
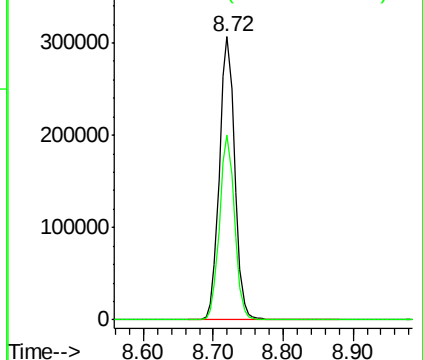
98 100

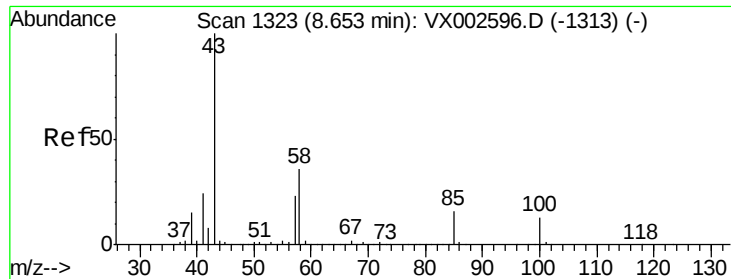
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

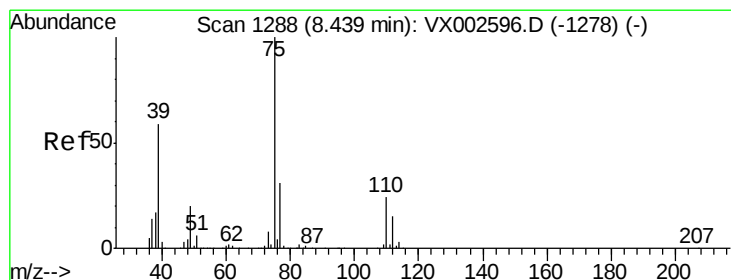
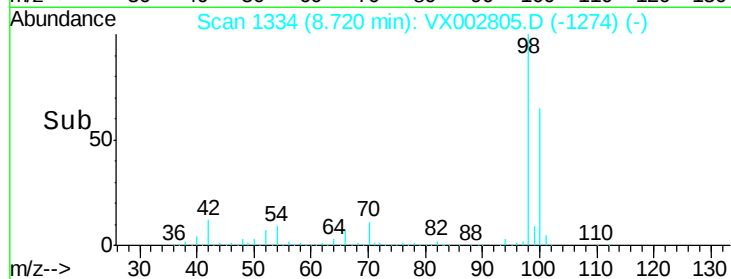
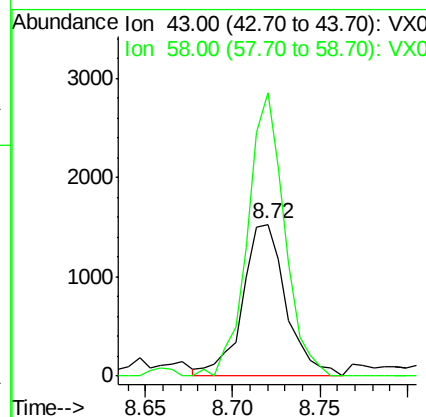
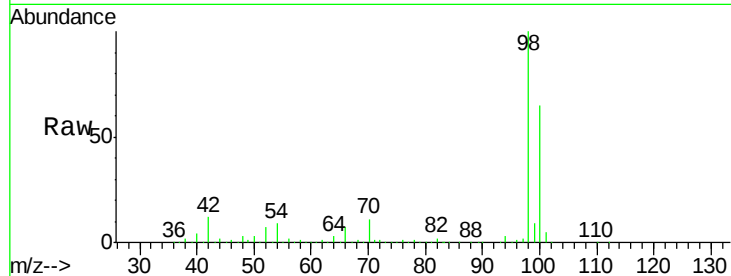




#51
4-Methyl-2-Pentanone
Concen: 0.63 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.07 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

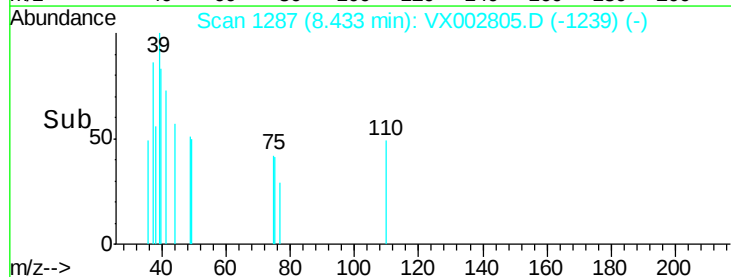
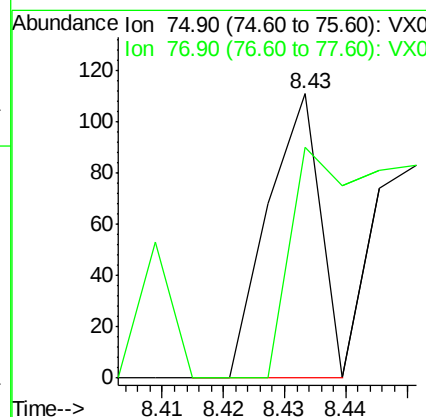
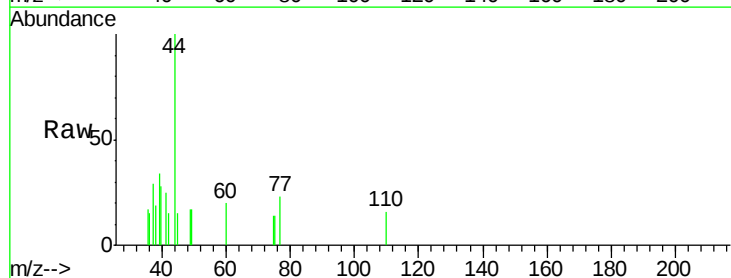
Instrument :
MSVOA_X
ClientSampleId :

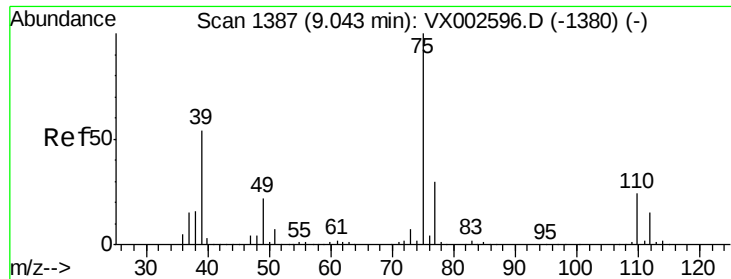
Tot Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
58 157.5 28.6 42.8#



#53
t-1,3-Dichloropropene
Concen: 2.41 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
77 81.1 25.4 38.2#



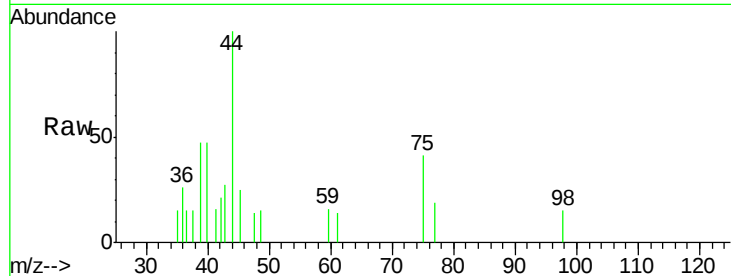


#54

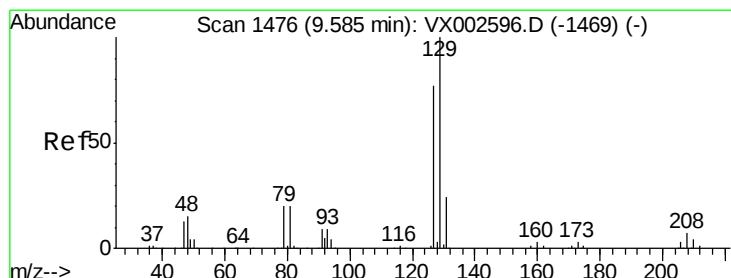
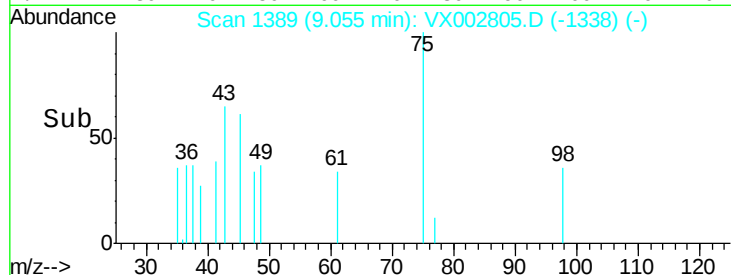
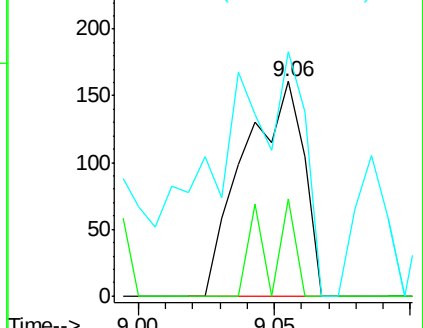
cis-1,3-Dichloropropene
Concen: 3.27 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 244
Ion Ratio Lower Upper
75 100
77 45.3 24.8 37.2#
39 113.7 42.4 63.6#



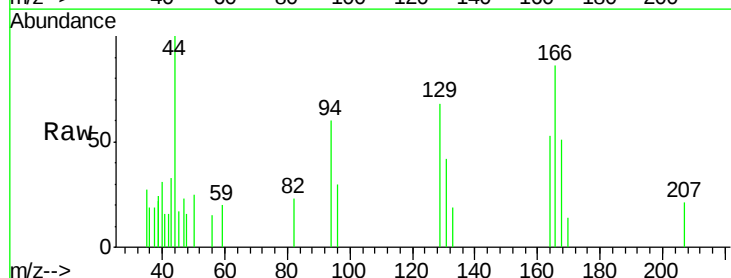
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



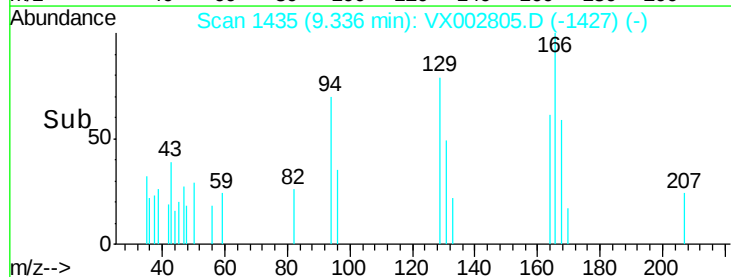
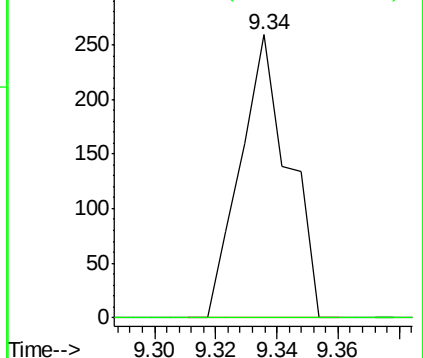
#60

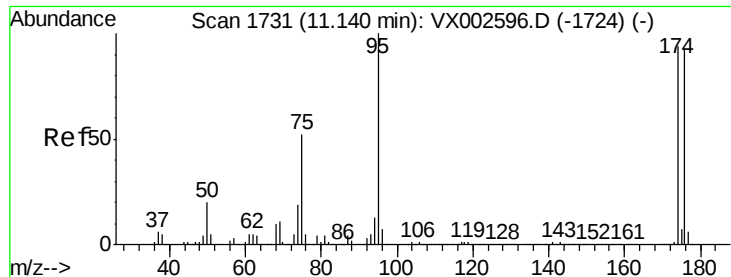
Dibromochloromethane
Concen: 3.85 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

Tgt Ion:129 Resp: 282
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

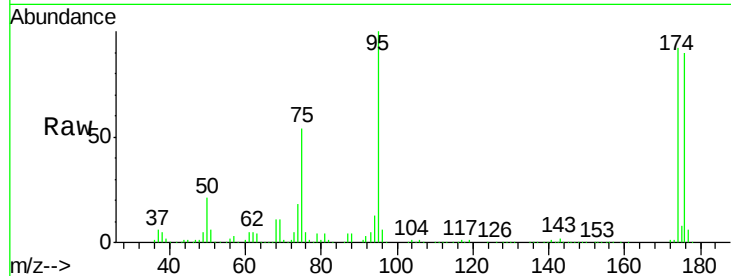




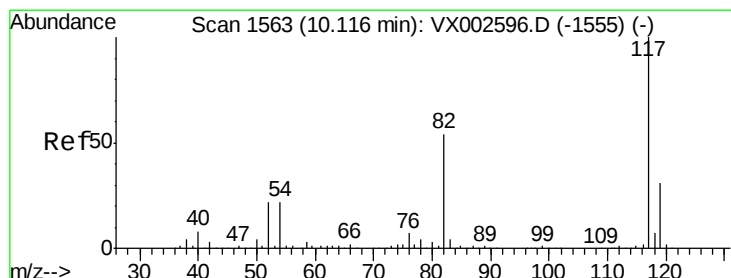
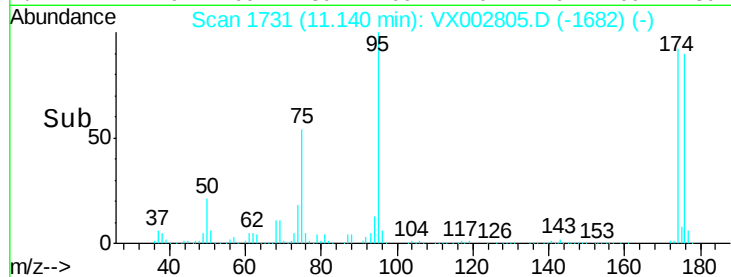
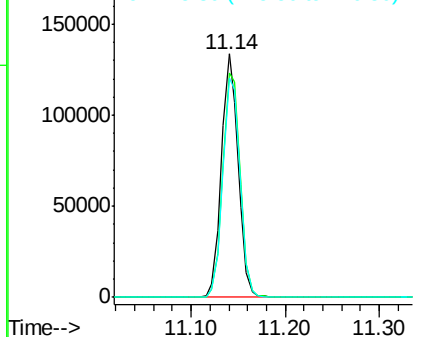
#62
4-Bromofluorobenzene
Concen: 43.70 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 164842
Ion Ratio Lower Upper
95 100
174 95.8 0.0 187.4
176 93.1 0.0 181.0

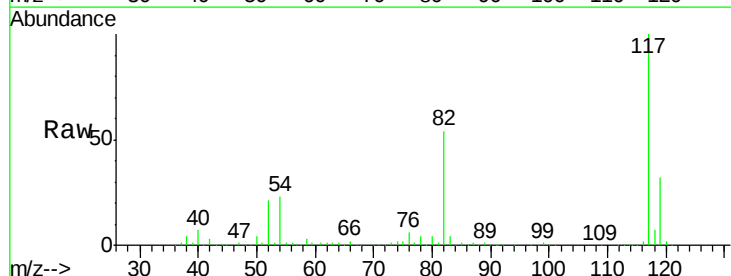


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

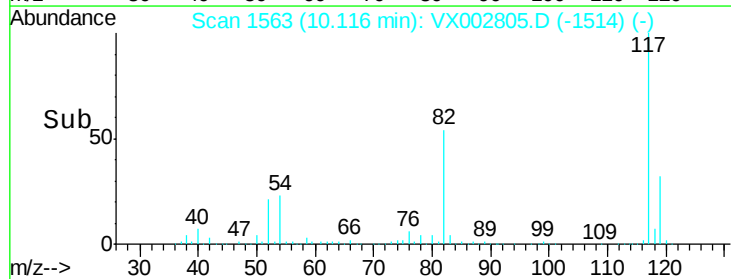
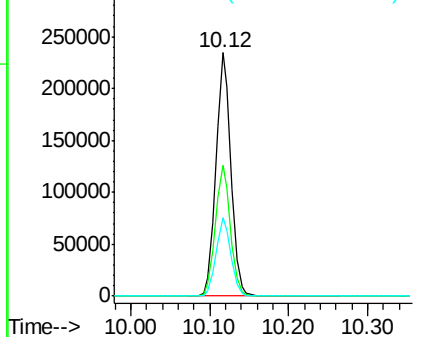


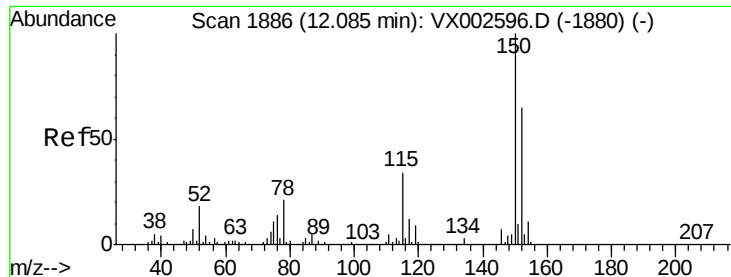
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

Tgt Ion: 117 Resp: 309735
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002805.D

Acq: 21 Jun 2018 23:35

Instrument :

MSVOA_X

ClientSampleId :

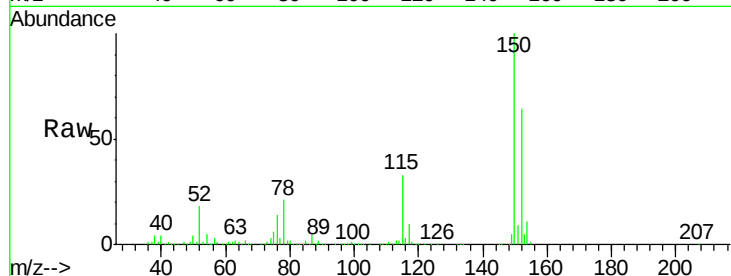
Tot Ion:152 Resp: 174250

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

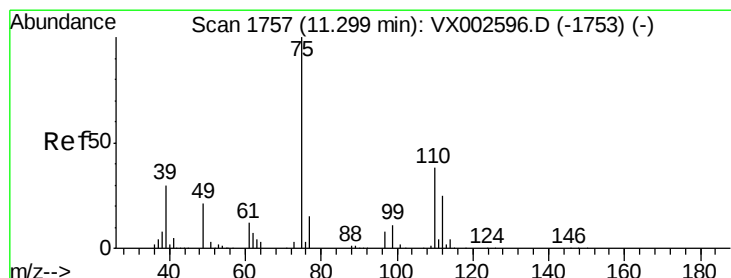
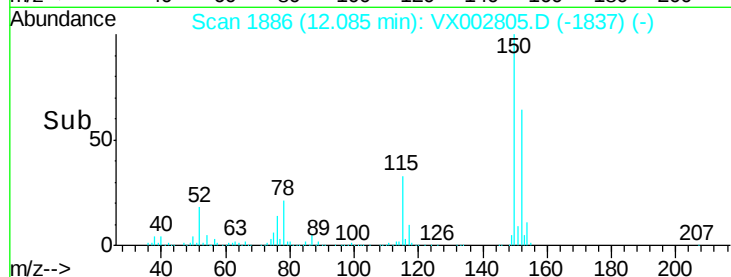
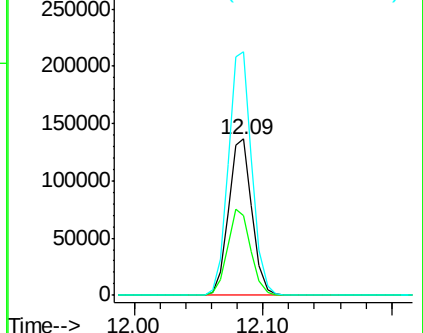
150 156.6 0.0 347.2



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: 26.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002805.D

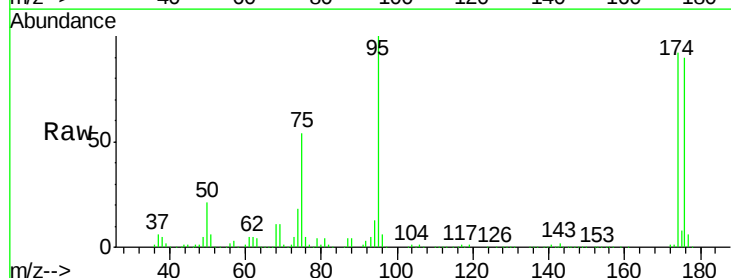
Acq: 21 Jun 2018 23:35

Tgt Ion: 75 Resp: 86148

Ion Ratio Lower Upper

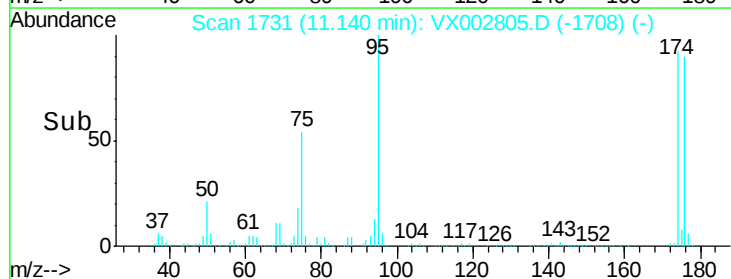
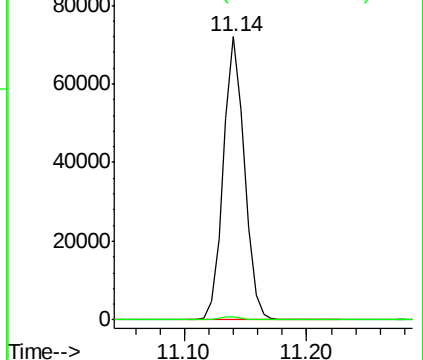
75 100

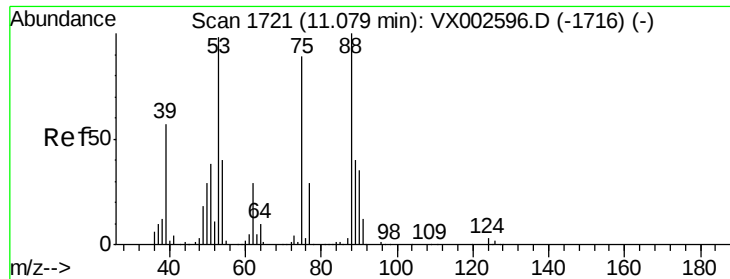
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

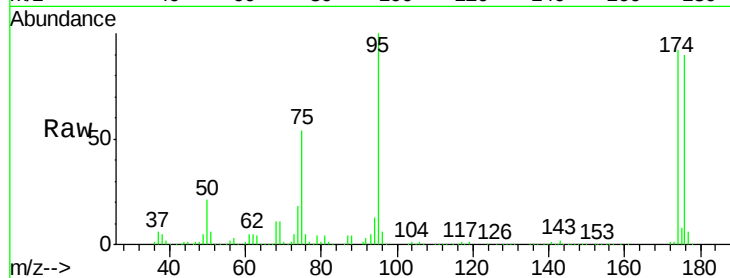




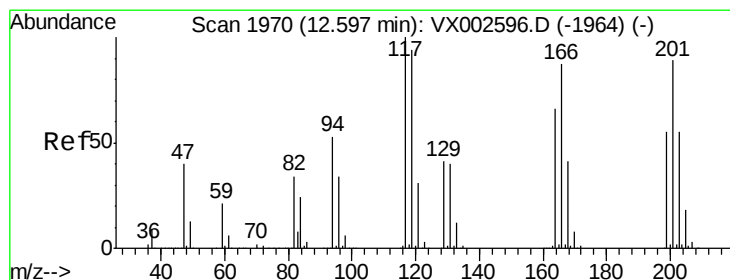
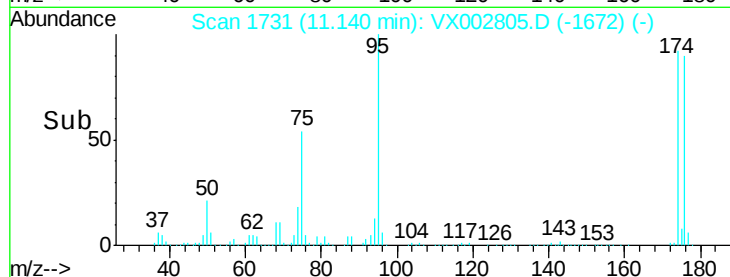
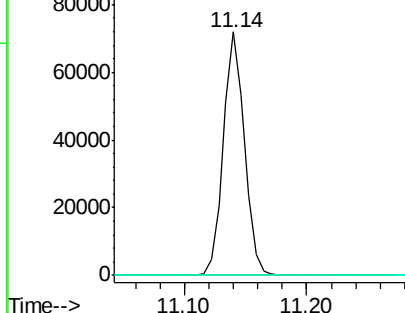
#81
trans-1,4-Dichloro-2-butene
Concen: 81.00 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 86148
Ion Ratio Lower Upper
75 100
53 0.2 86.8 130.2#
89 0.0 38.2 57.2#

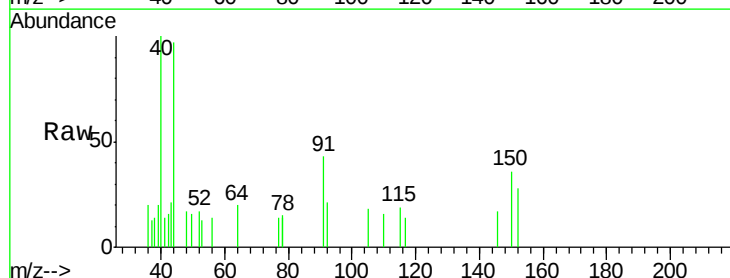


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#90
Hexachloroethane
Concen: 2.64 ug/l
RT: 12.38 min Scan# 1934
Delta R.T. -0.22 min
Lab File: VX002805.D
Acq: 21 Jun 2018 23:35

Tgt Ion: 117 Resp: 20
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

