

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002783.D
 Acq On : 21 Jun 2018 11:25
 Operator : JC/MD
 Sample : VX0621WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 22 01:08:19 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	223758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	312167	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157932	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	163627	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	5.50	113	130798	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
50) Toluene-d8	8.71	98	483200	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.14	95	164825	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

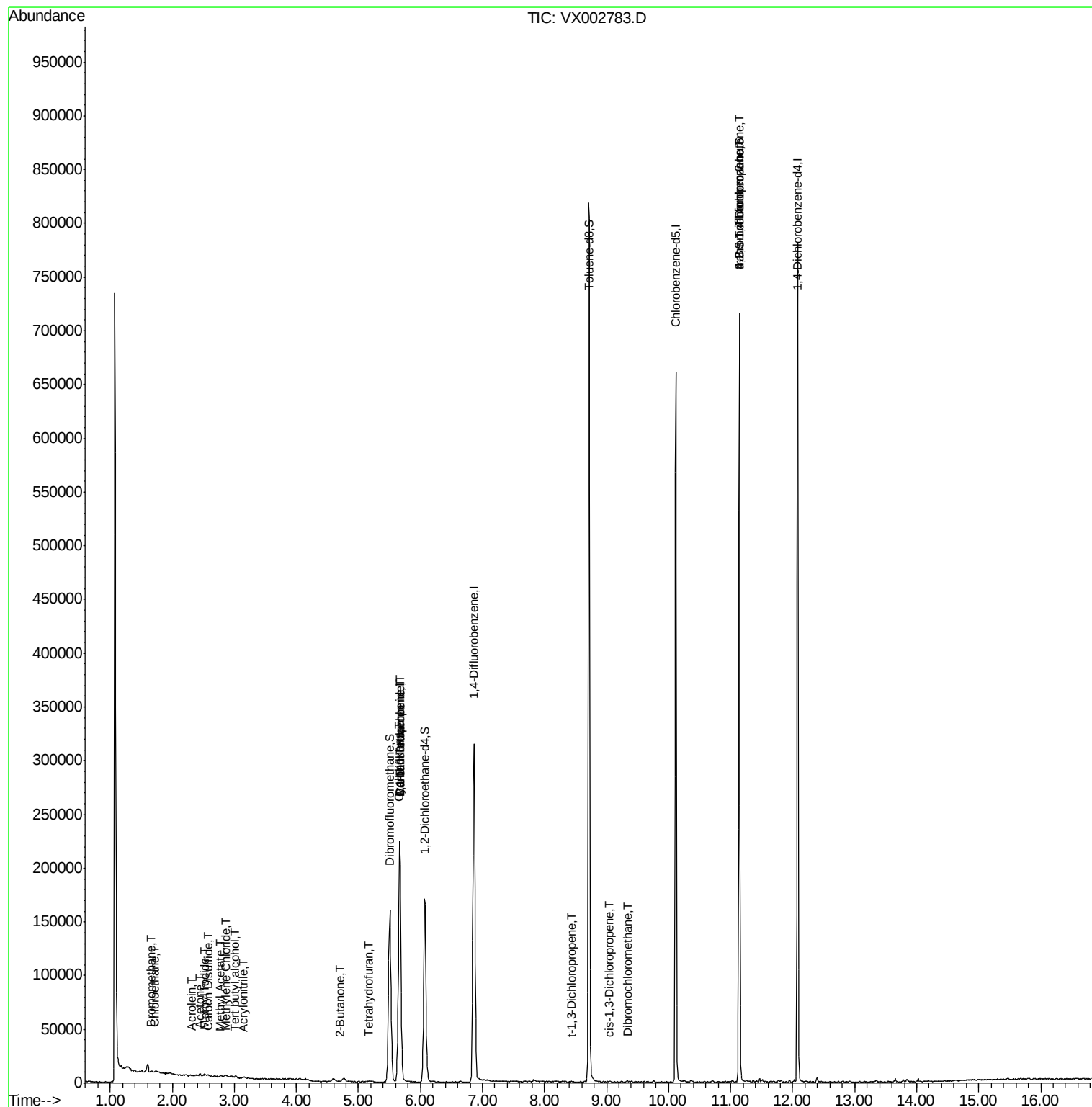
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1125	0.64	ug/l #	68
6) Chloroethane	1.73	64	684	0.35	ug/l	92
10) Methyl Iodide	2.53	142	2203	5.73	ug/l #	95
11) Tert butyl alcohol	3.01	59	1269	1.81	ug/l #	89
13) Acrolein	2.30	56	338	7.86	ug/l #	1
15) Acrylonitrile	3.15	53	571	0.37	ug/l #	57
16) Acetone	2.44	43	2173	1.45	ug/l	93
17) Carbon Disulfide	2.57	76	1559	0.26	ug/l #	95
18) Methyl Acetate	2.78	43	1464	0.37	ug/l	98
20) Methylene Chloride	2.86	84	623	0.20	ug/l #	90
25) 2-Butanone	4.71	43	567	0.29	ug/l #	52
29) Tetrahydrofuran	5.16	42	837	0.65	ug/l #	70
31) Cyclohexane	5.65	56	4782	1.19	ug/l #	18
36) 1,1-Dichloropropene	5.66	75	14855	4.48	ug/l #	51
38) Carbon Tetrachloride	5.66	117	20555	6.23	ug/l #	17
53) t-1,3-Dichloropropene	8.44	75	138	2.43	ug/l #	43
54) cis-1,3-Dichloropropene	9.04	75	107	3.24	ug/l #	73
60) Dibromochloromethane	9.33	129	104	3.79	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	86954	29.18	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	86954	89.73	ug/l #	7

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

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Quant Time: Jun 22 01:08:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

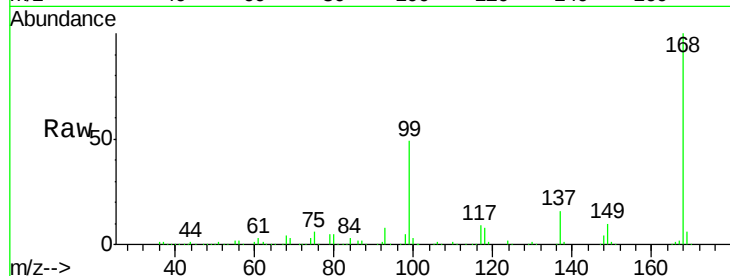
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 223758

Ion Ratio Lower Upper

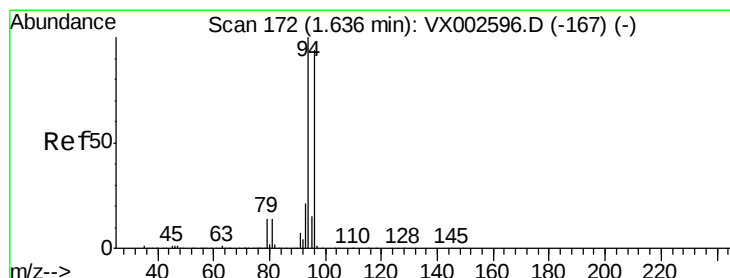
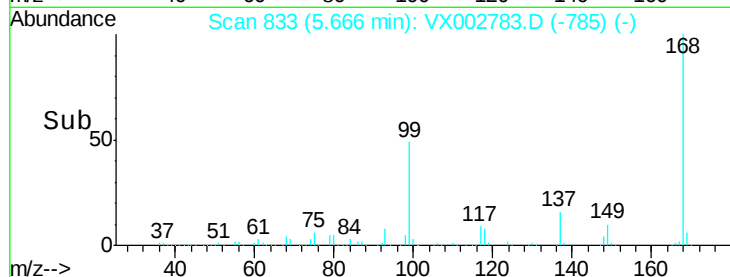
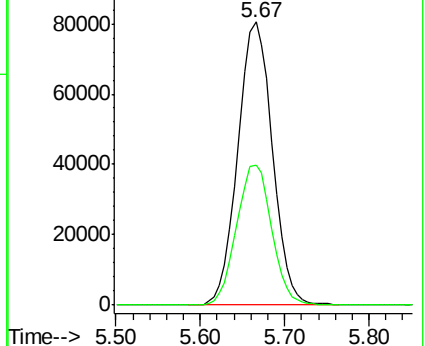
168 100

99 49.5 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: 0.64 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002783.D

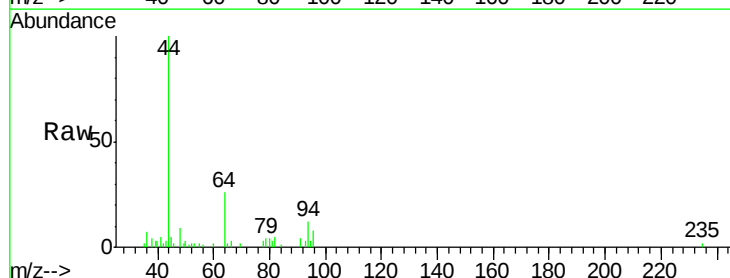
Acq: 21 Jun 2018 11:25

Tgt Ion: 94 Resp: 1125

Ion Ratio Lower Upper

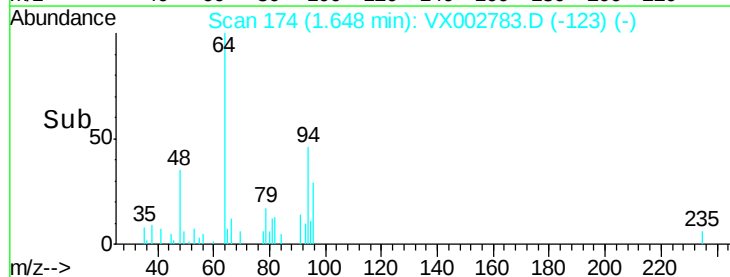
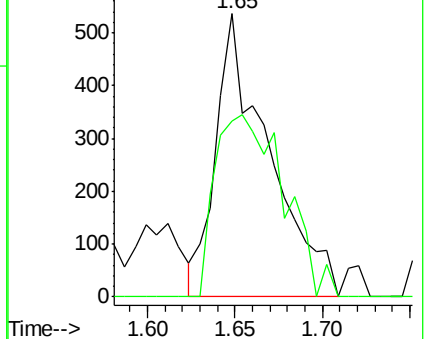
94 100

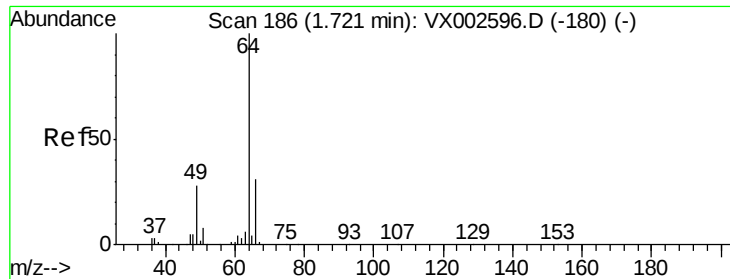
96 62.3 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.35 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

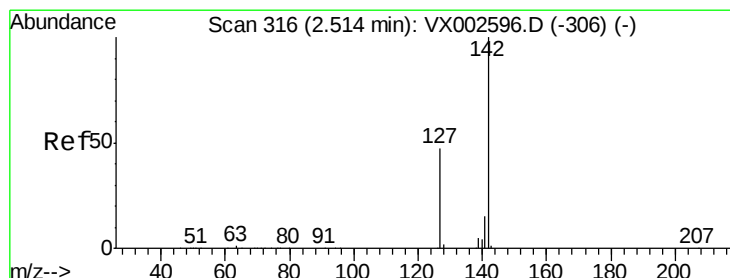
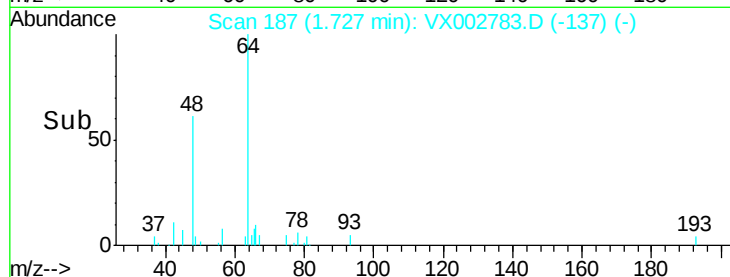
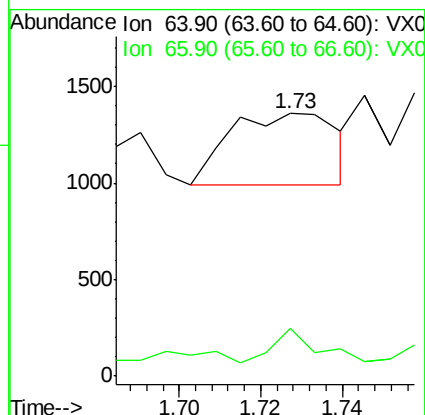
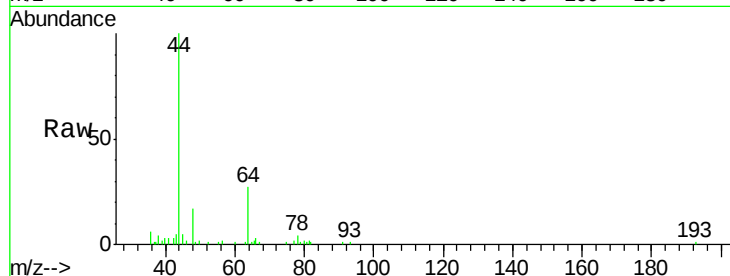
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 64 Resp: 684

Ion Ratio Lower Upper

64 100

66 36.6 25.5 38.3



#10

Methyl Iodide

Concen: 5.73 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

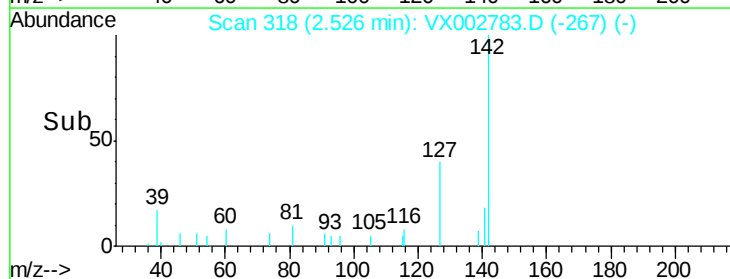
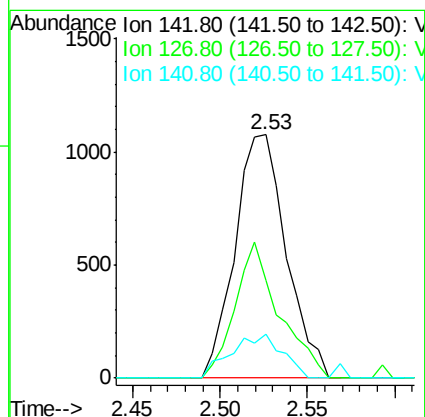
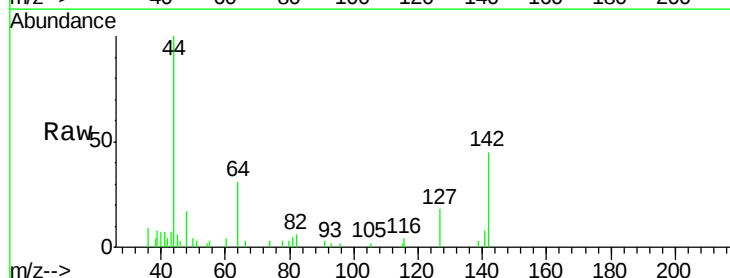
Tgt Ion: 142 Resp: 2203

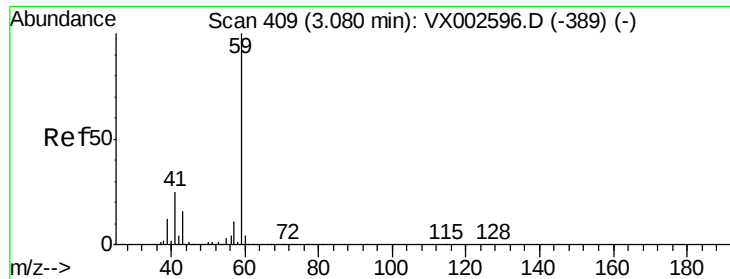
Ion Ratio Lower Upper

142 100

127 48.3 36.6 55.0

141 18.0 11.3 16.9#

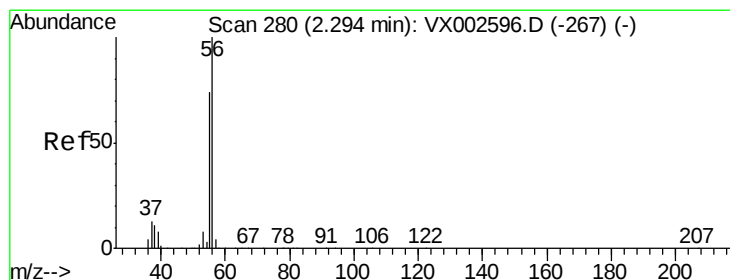
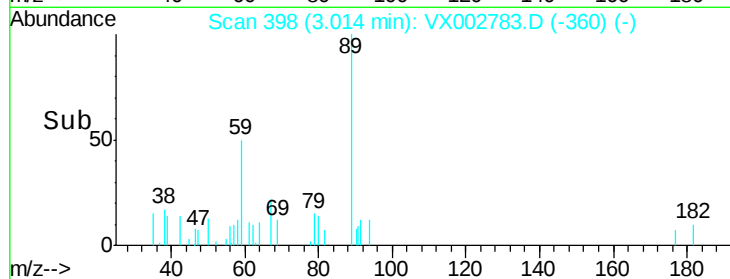
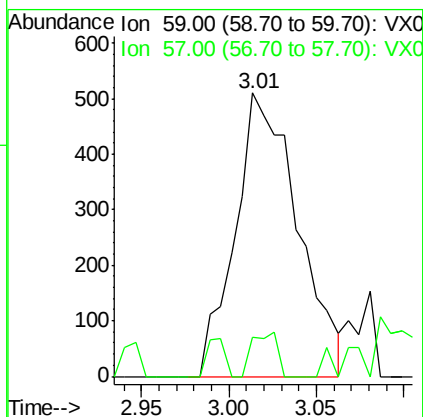
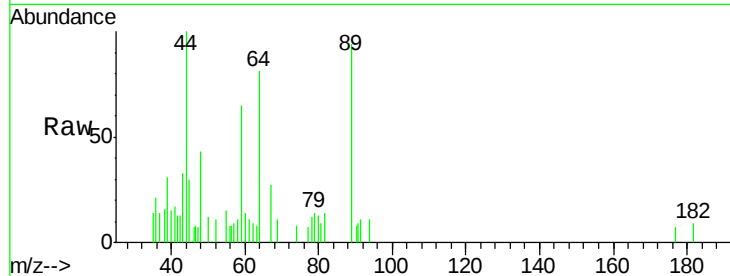




#11
Tert butyl alcohol
Concen: 1.81 ug/l
RT: 3.01 min Scan# 398
Delta R.T. -0.07 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

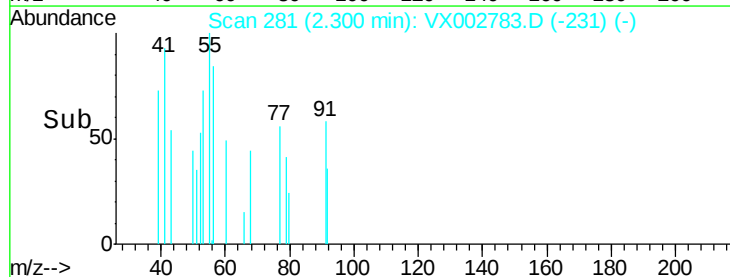
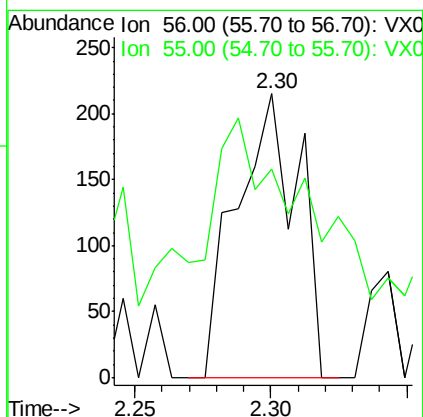
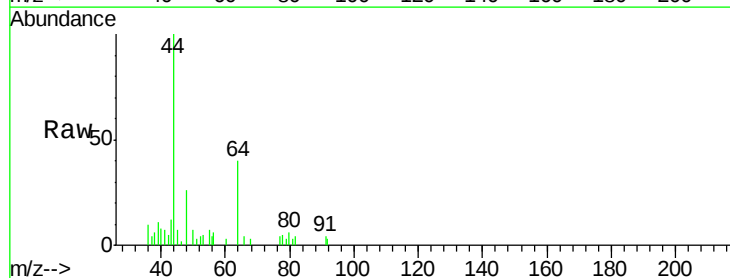
Instrument :
MSVOA_X
ClientSampleId :

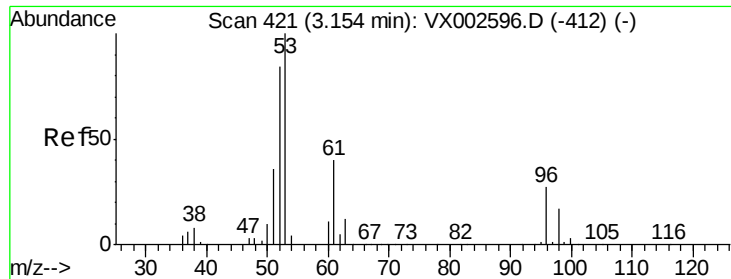
Tot Ion: 59 Resp: 1269
Ion Ratio Lower Upper
59 100
57 6.2 8.2 12.2#



#13
Acrolein
Concen: 7.86 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

Tgt Ion: 56 Resp: 338
Ion Ratio Lower Upper
56 100
55 199.1 57.0 85.4#





#15

Acrylonitrile

Concen: 0.37 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

Instrument :

MSVOA_X

ClientSampled :

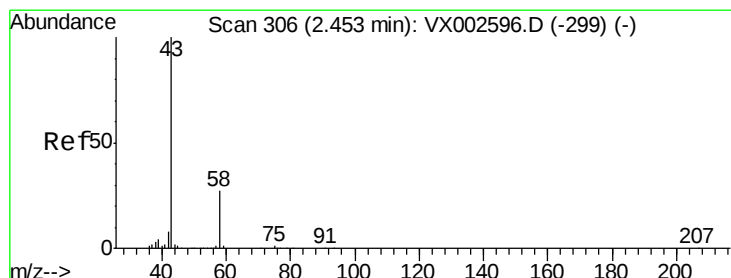
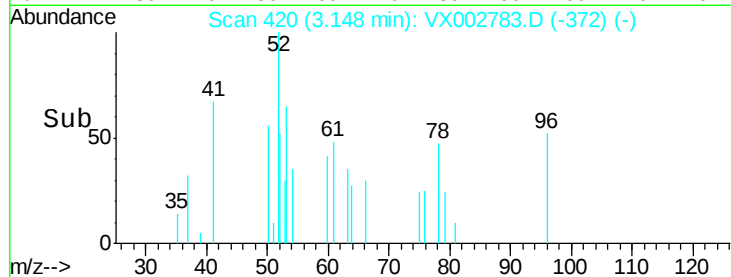
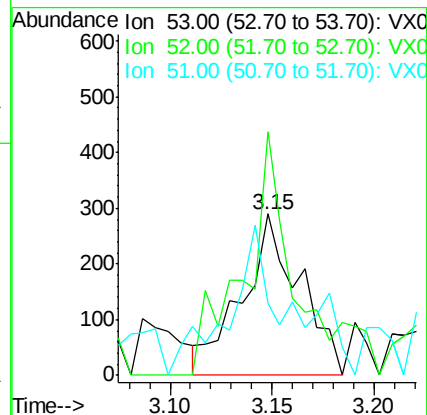
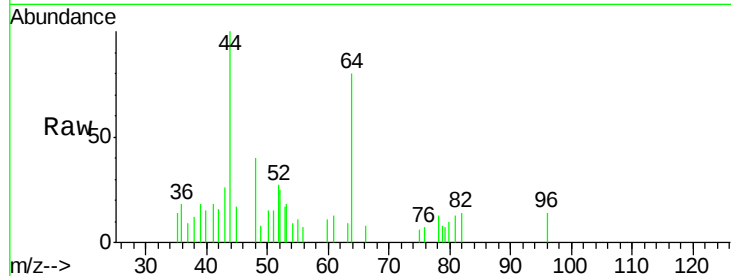
Tot Ion: 53 Resp: 571

Ion Ratio Lower Upper

53 100

52 120.7 66.7 100.1#

51 65.3 29.9 44.9#



#16

Acetone

Concen: 1.45 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX002783.D

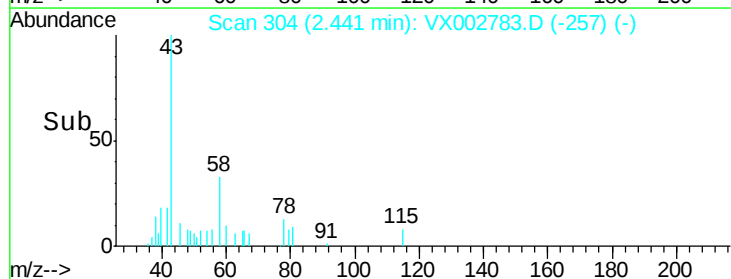
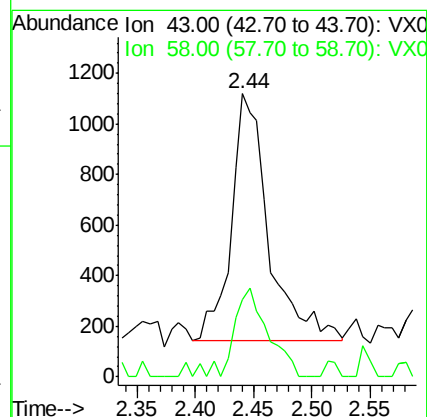
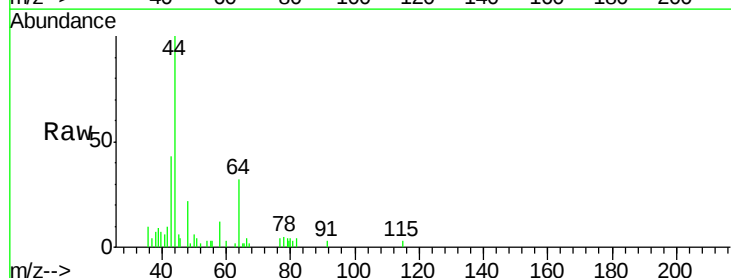
Acq: 21 Jun 2018 11:25

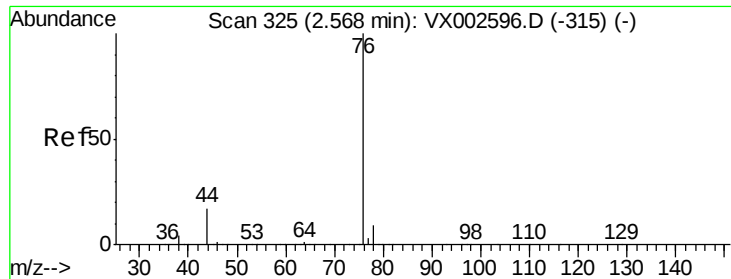
Tgt Ion: 43 Resp: 2173

Ion Ratio Lower Upper

43 100

58 31.1 22.1 33.1

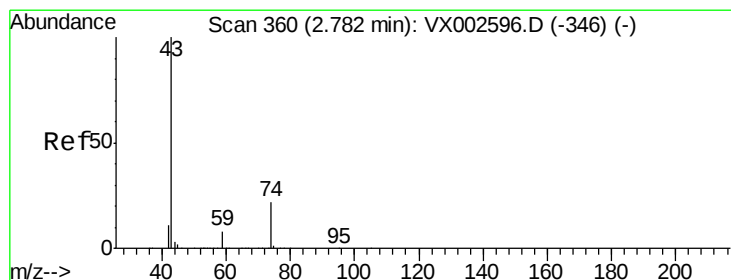
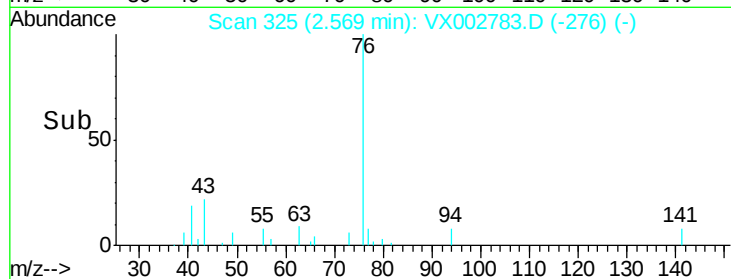
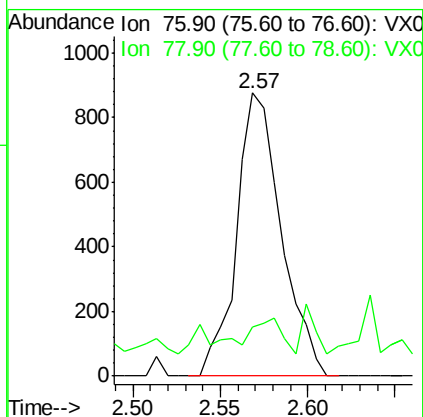
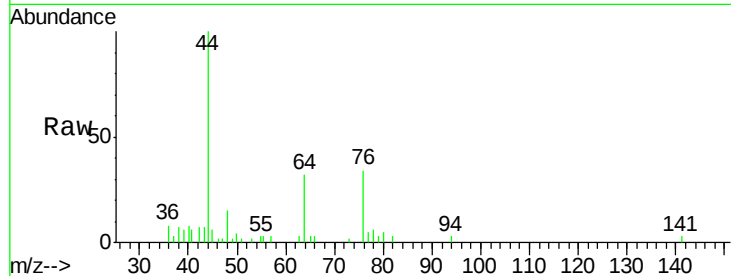




#17
Carbon Disulfide
Concen: 0.26 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

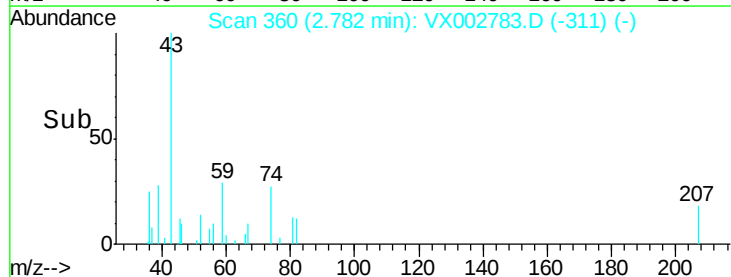
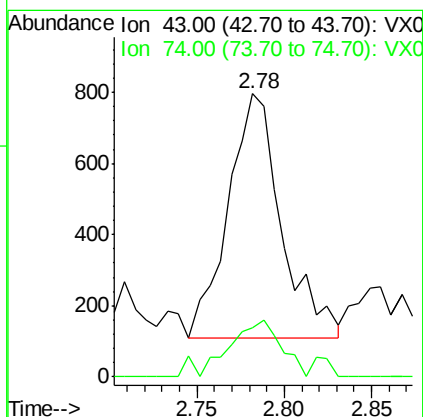
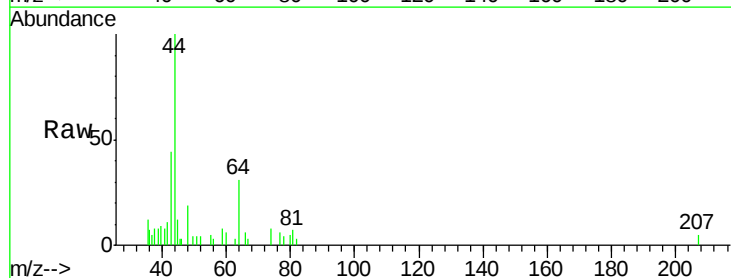
Instrument :
MSVOA_X
ClientSampleId :

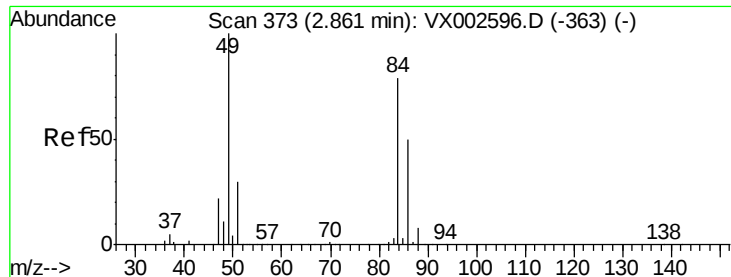
Tot Ion: 76 Resp: 1559
Ion Ratio Lower Upper
76 100
78 6.8 6.9 10.3#



#18
Methyl Acetate
Concen: 0.37 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
74 22.0 16.7 25.1

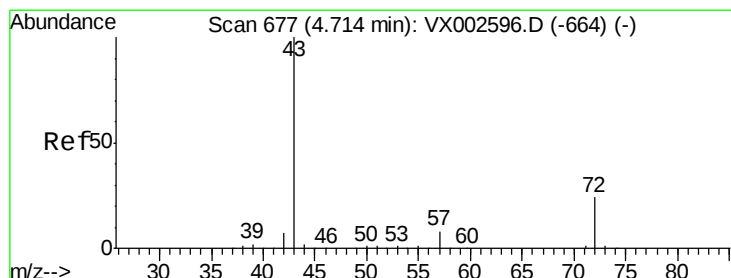
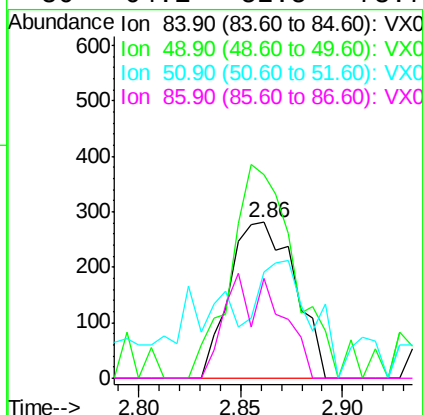
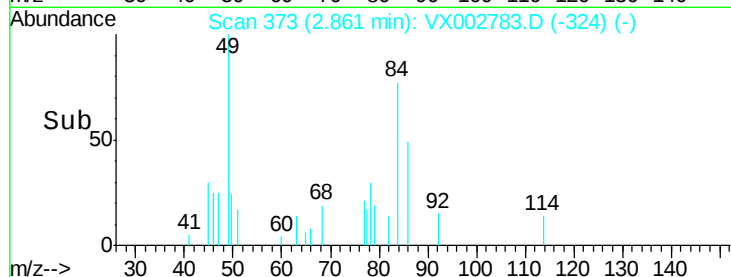
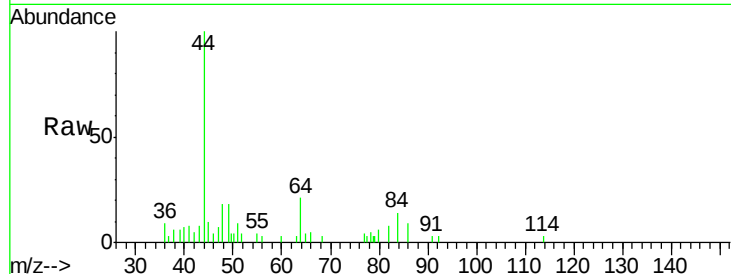




#20
Methylene Chloride
Concen: 0.20 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

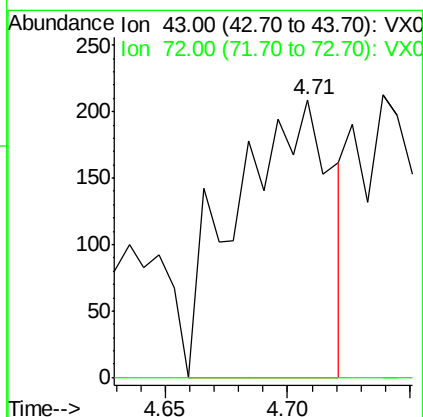
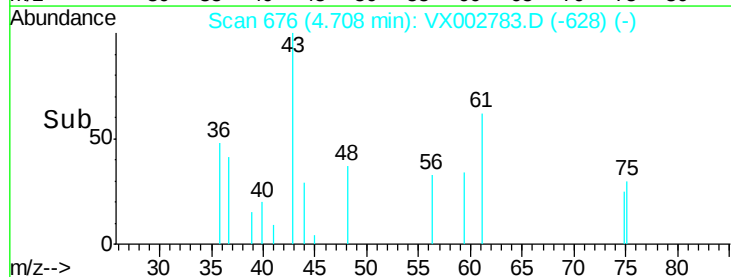
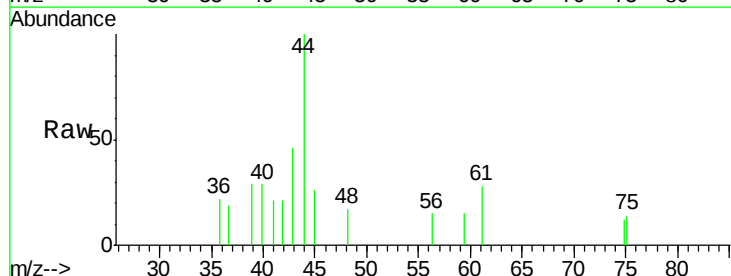
Instrument :
MSVOA_X
ClientSampled :

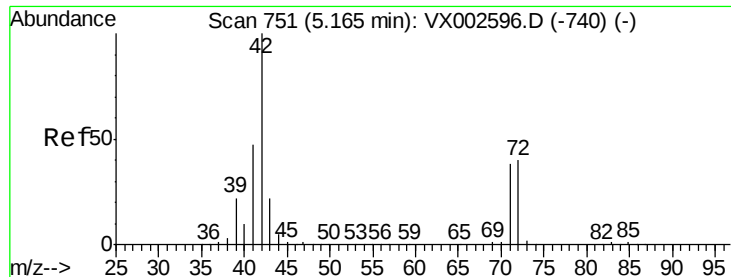
Tot Ion: 84 Resp: 623
Ion Ratio Lower Upper
84 100
49 130.6 107.8 161.6
51 68.0 32.8 49.2#
86 64.1 52.5 78.7



#25
2-Butanone
Concen: 0.29 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#





#29

Tetrahydrofuran

Concen: 0.65 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

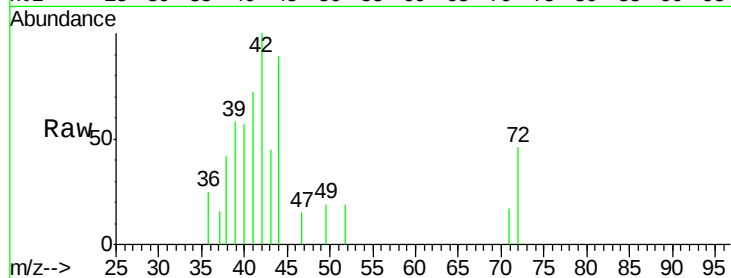
Tot Ion: 42 Resp: 837

Ion Ratio Lower Upper

42 100

72 26.5 32.0 48.0#

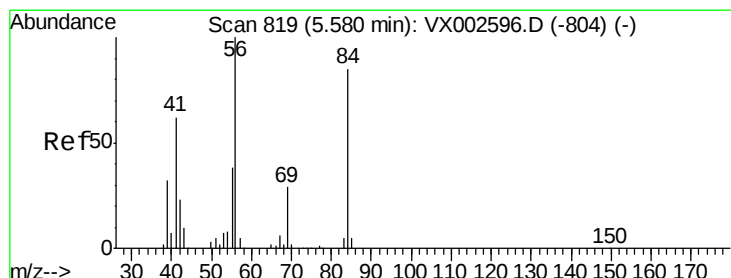
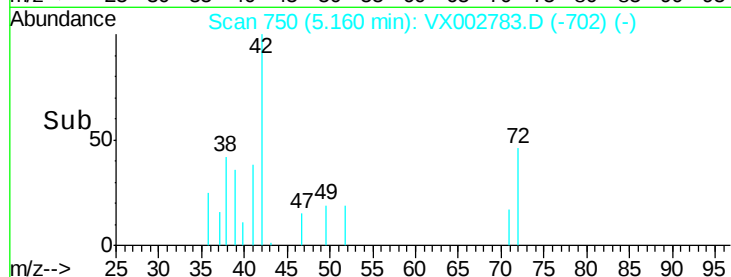
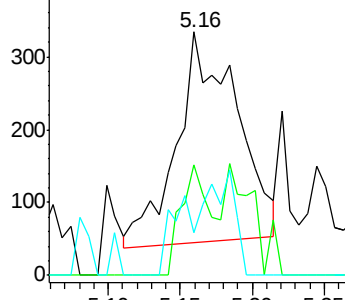
71 14.5 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.19 ug/l

RT: 5.65 min Scan# 831

Delta R.T. 0.07 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

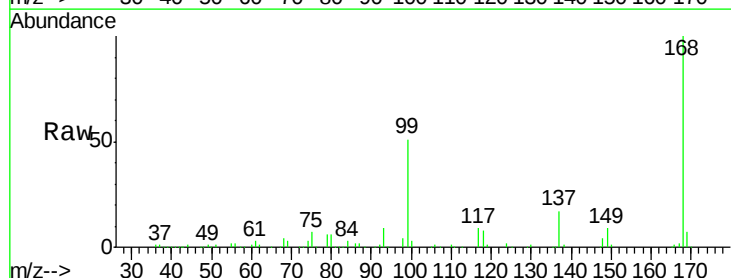
Tgt Ion: 56 Resp: 4782

Ion Ratio Lower Upper

56 100

69 140.2 23.7 35.5#

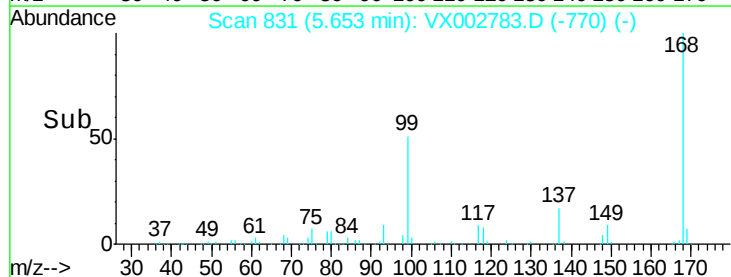
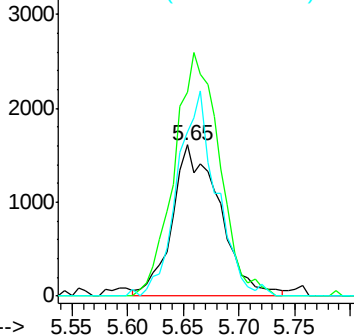
84 112.4 64.1 96.1#

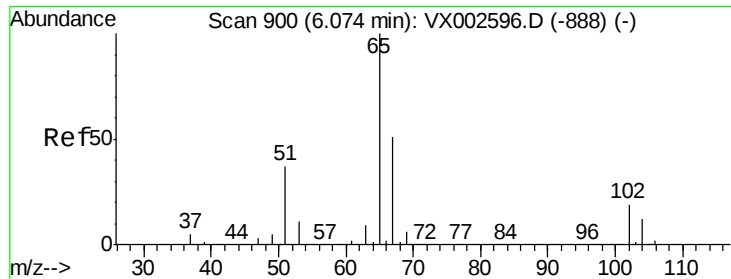


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

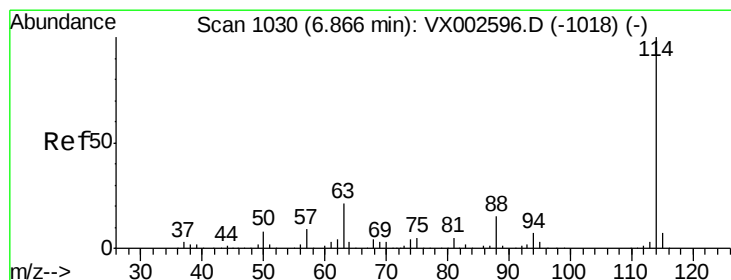
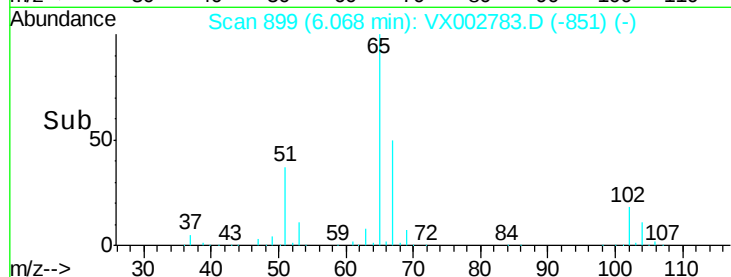
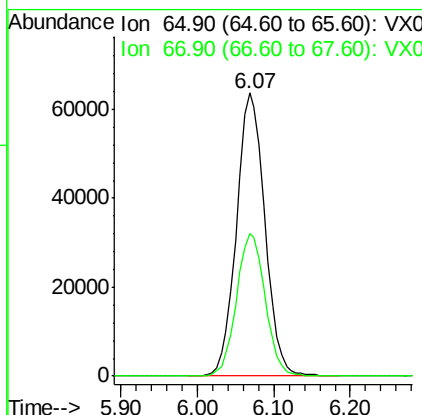
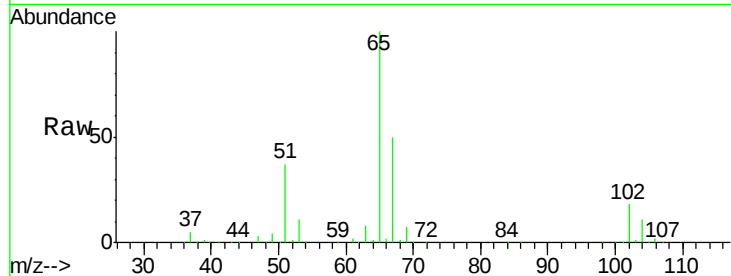




#33
 1,2-Dichloroethane-d4
 Concen: 48.12 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002783.D
 Acq: 21 Jun 2018 11:25

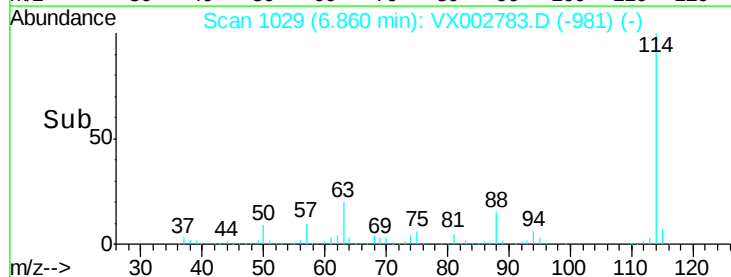
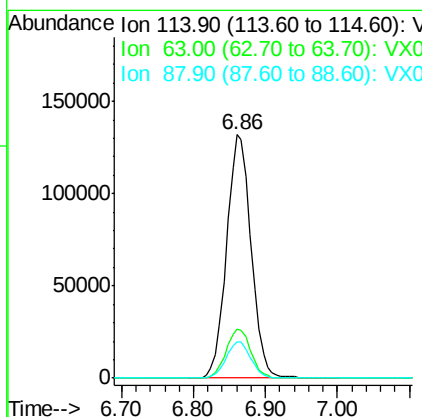
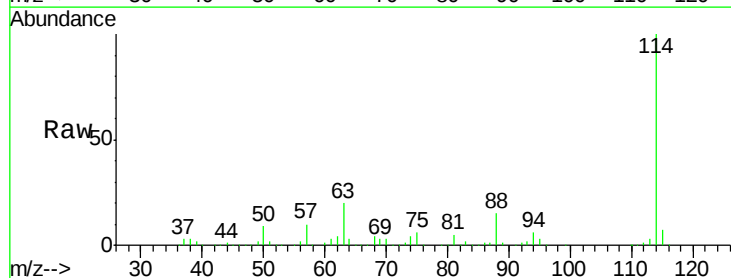
Instrument :
 MSVOA_X
 ClientSampleId :

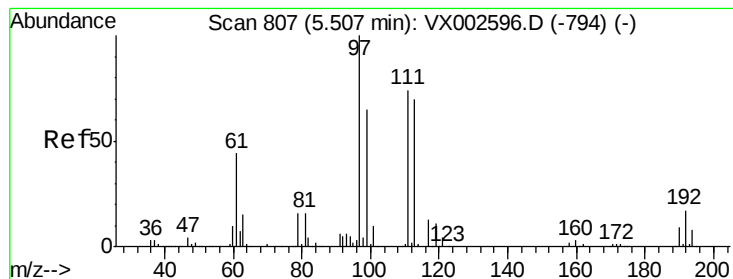
Tot Ion: 65 Resp: 163627
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002783.D
 Acq: 21 Jun 2018 11:25

Tgt Ion: 114 Resp: 312167
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.50 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :

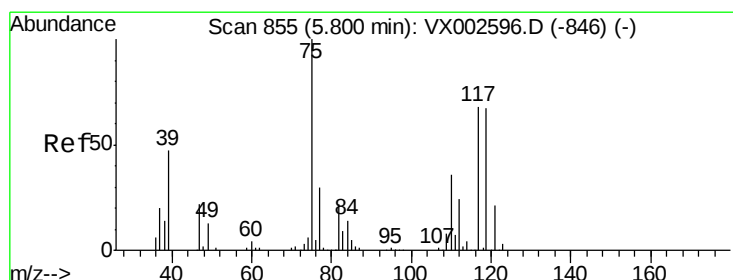
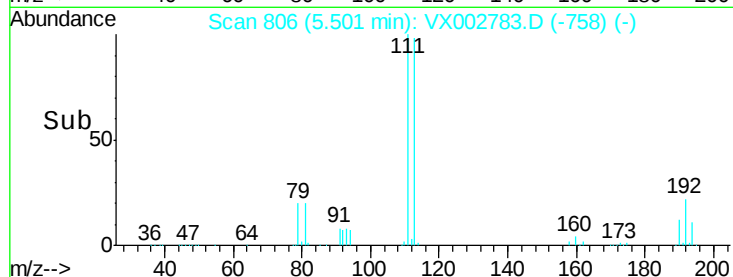
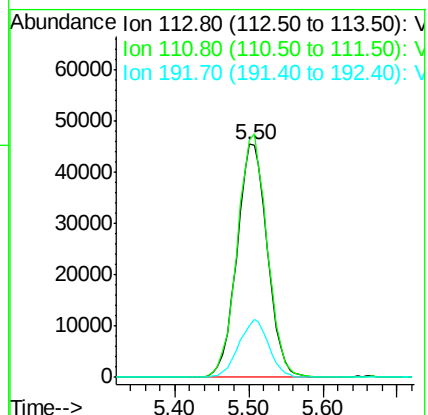
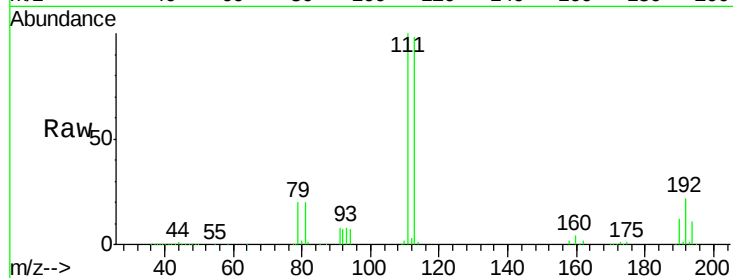
Tot Ion:113 Resp: 130798

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 24.3 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.48 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

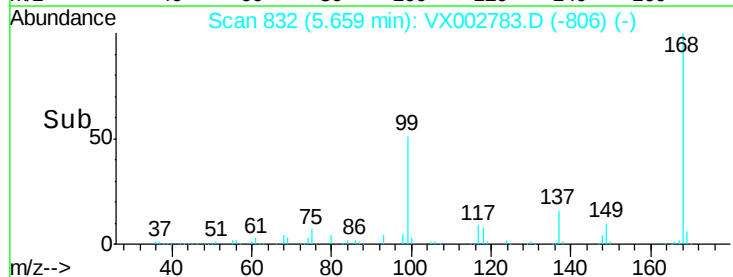
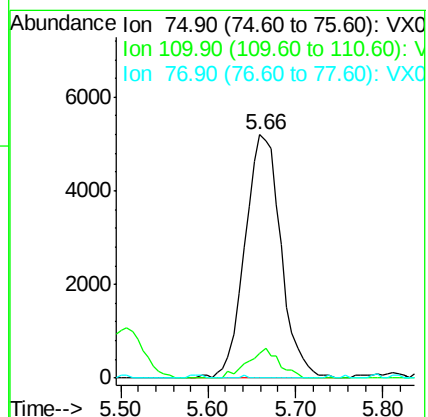
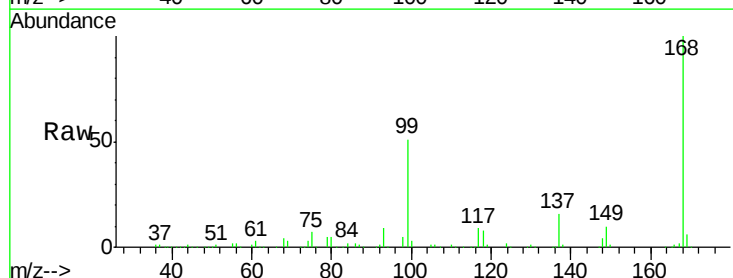
Tgt Ion: 75 Resp: 14855

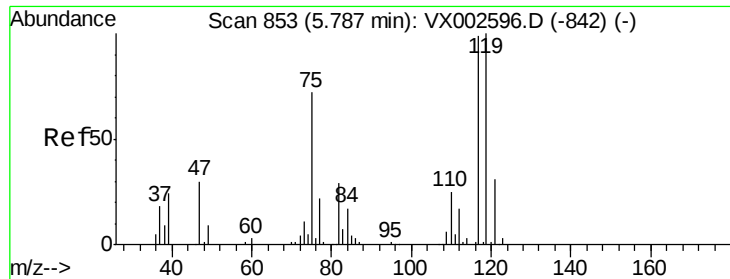
Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

77 0.0 24.3 36.5#

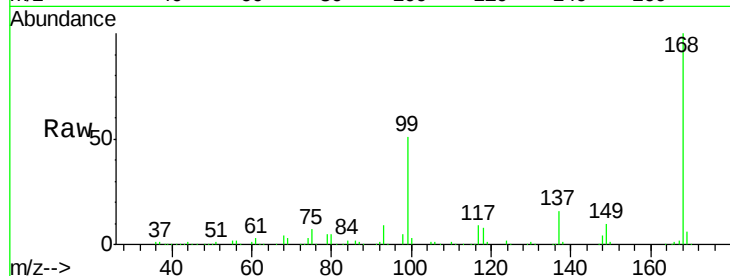




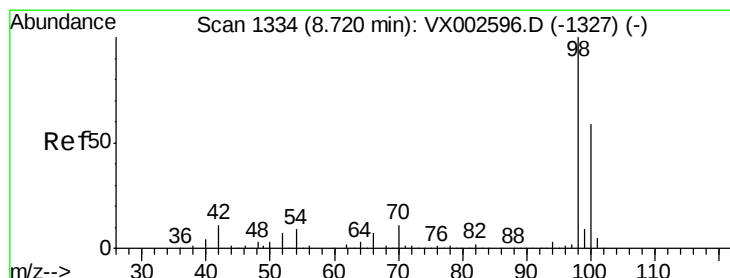
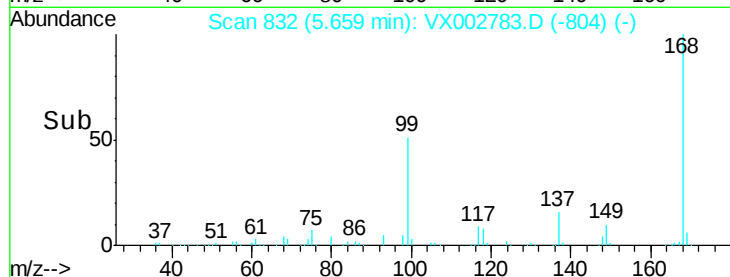
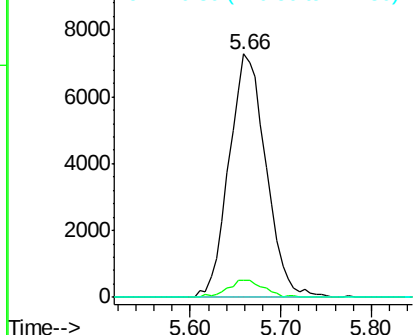
#38
Carbon Tetrachloride
Concen: 6.23 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.13 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 20555
Ion Ratio Lower Upper
117 100
119 7.2 77.4 116.0#
121 0.0 24.4 36.6#

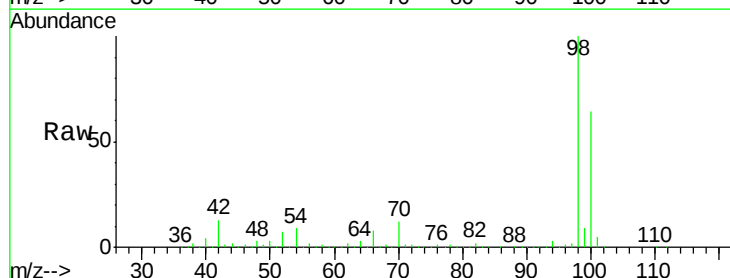


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

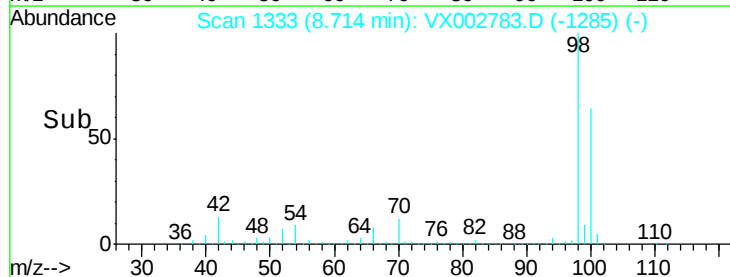
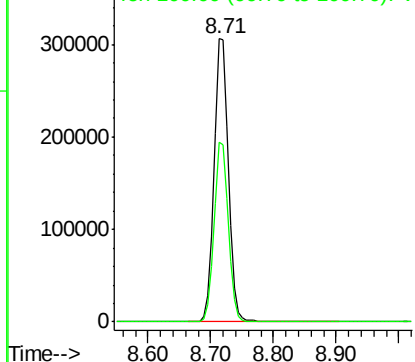


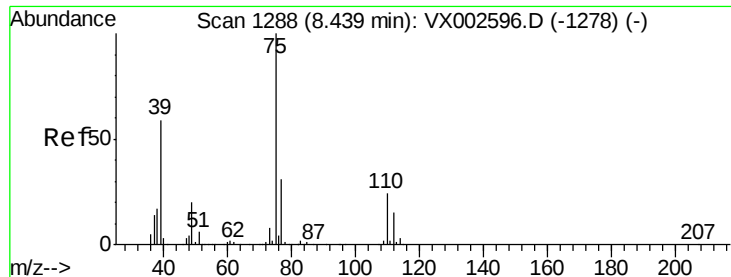
#50
Toluene-d8
Concen: 51.08 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

Tgt Ion: 98 Resp: 483200
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#53

t-1,3-Dichloropropene

Concen: 2.43 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

Instrument :

MSVOA_X

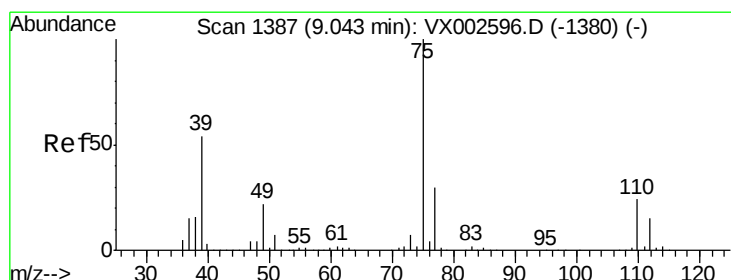
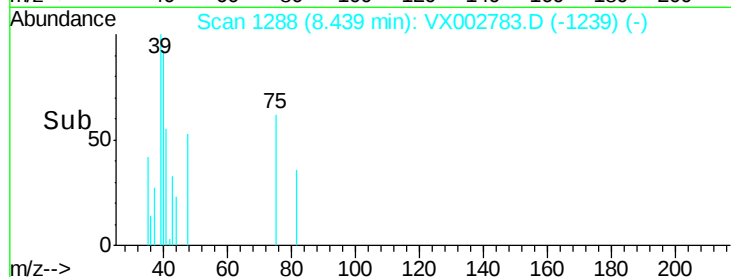
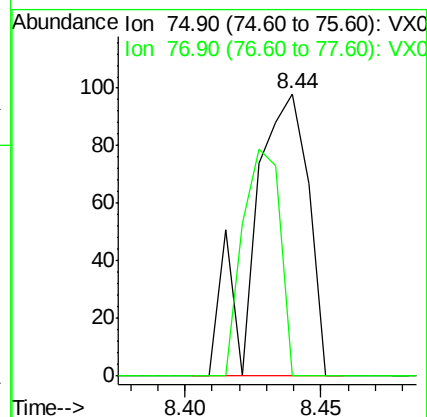
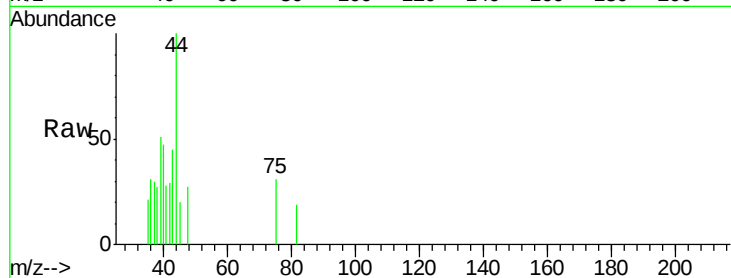
ClientSampled :

Tot Ion: 75 Resp: 138

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 3.24 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

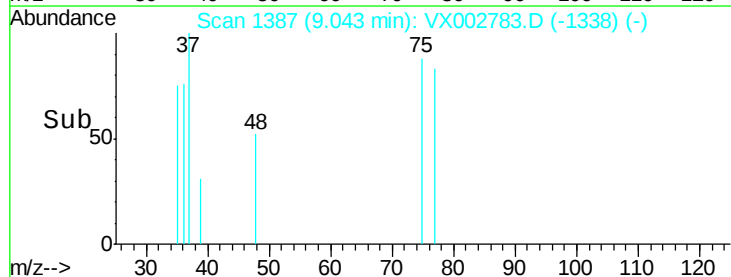
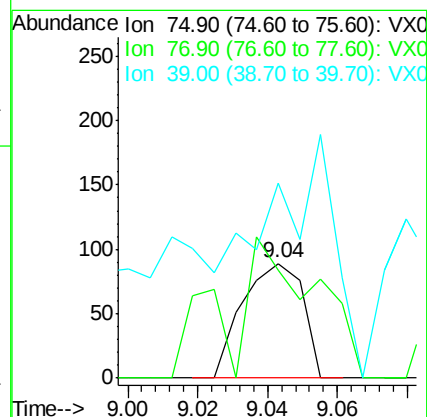
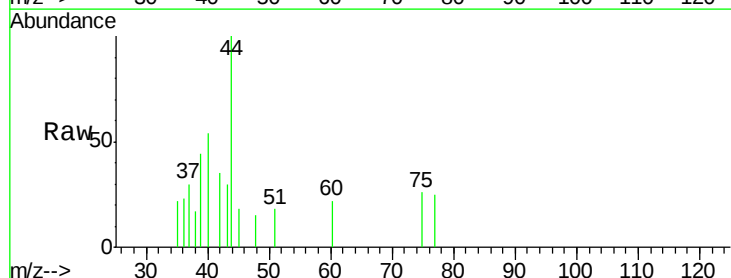
Tgt Ion: 75 Resp: 107

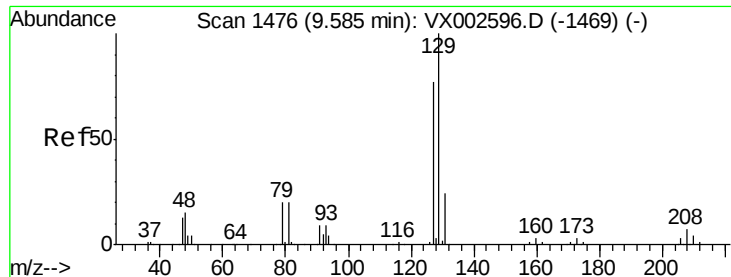
Ion Ratio Lower Upper

75 100

77 29.2 24.8 37.2

39 82.0 42.4 63.6#

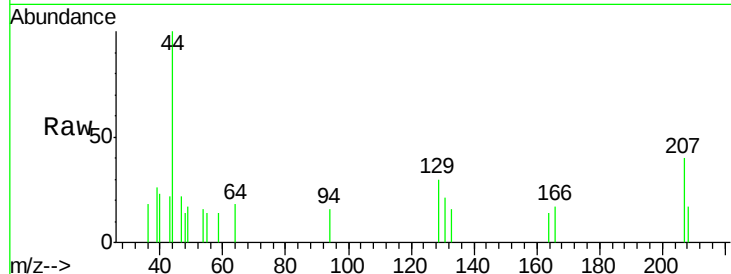




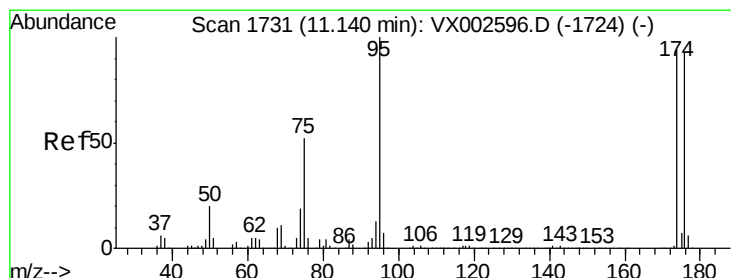
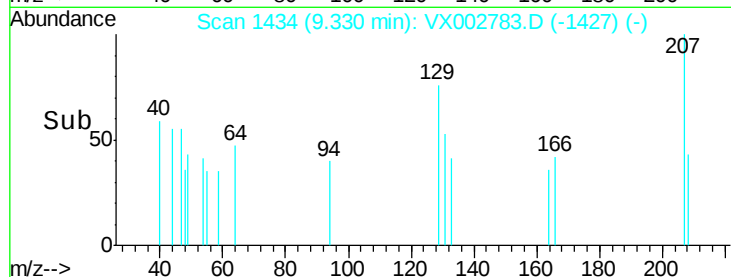
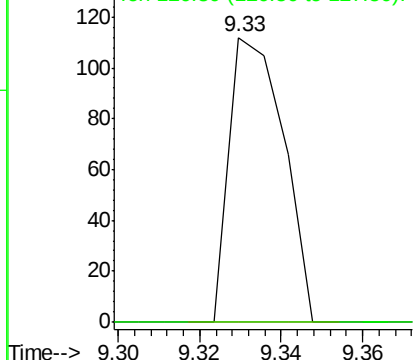
#60
Dibromochloromethane
Concen: 3.79 ug/l
RT: 9.33 min Scan# 1434
Delta R.T. -0.26 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 104
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

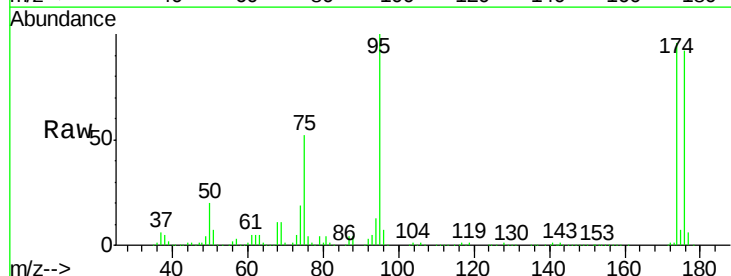


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

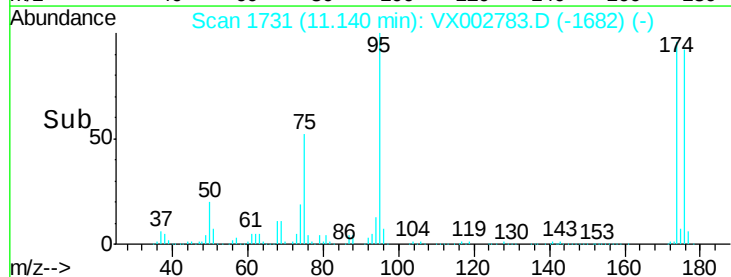
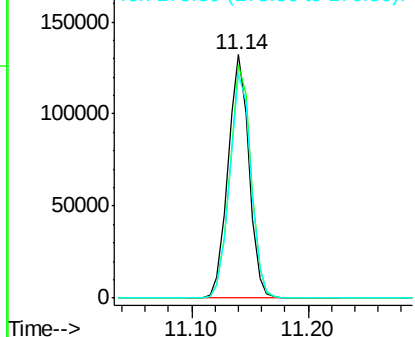


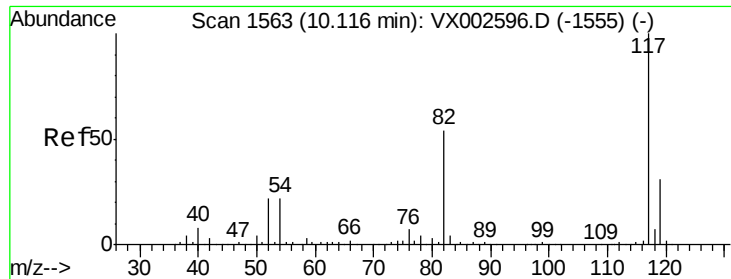
#62
4-Bromofluorobenzene
Concen: 45.98 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002783.D
Acq: 21 Jun 2018 11:25

Tgt Ion: 95 Resp: 164825
Ion Ratio Lower Upper
95 100
174 97.8 0.0 187.4
176 94.3 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: VX002783.D

Acq: 21 Jun 2018 11:25

Instrument :

MSVOA_X

ClientSampled :

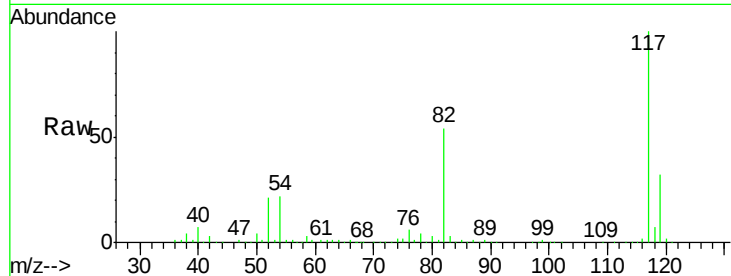
Tot Ion:117 Resp: 289401

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.4

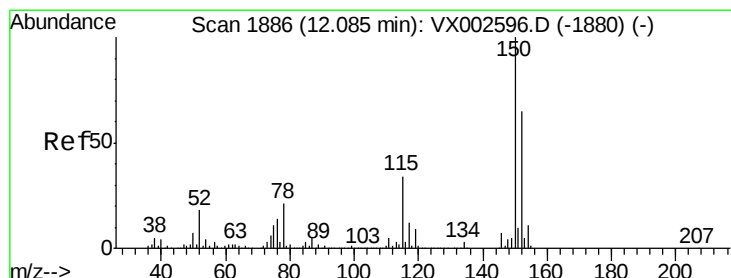
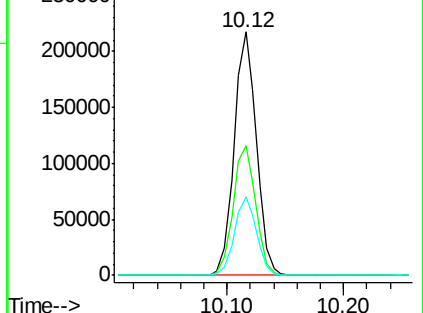
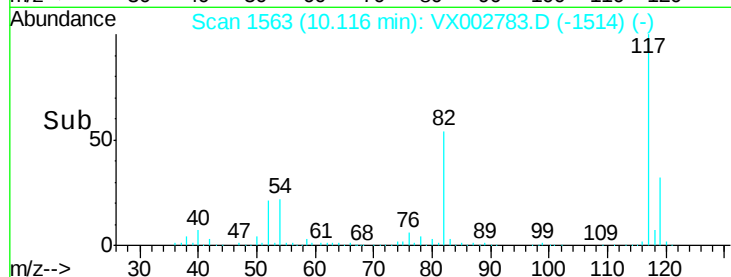
119 32.1 25.8 38.6



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: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

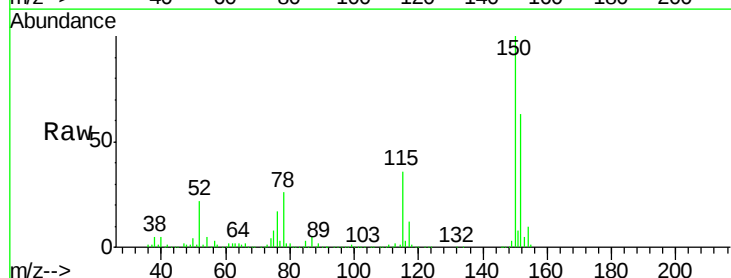
Tgt Ion:152 Resp: 157932

Ion Ratio Lower Upper

152 100

115 55.2 40.1 120.2

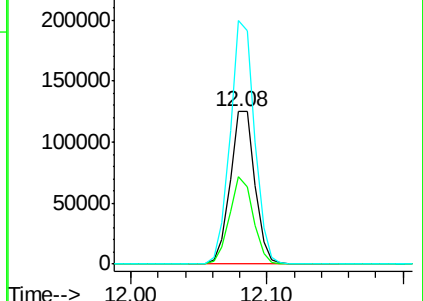
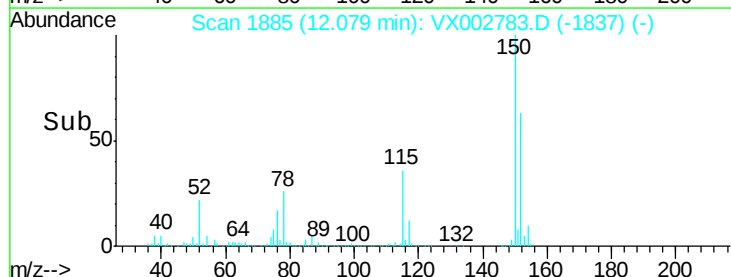
150 157.3 0.0 347.2

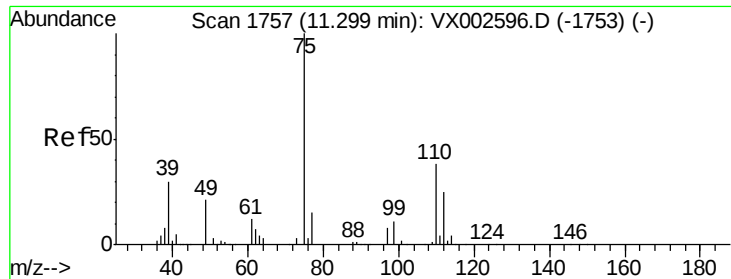


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

Instrument :

MSVOA_X

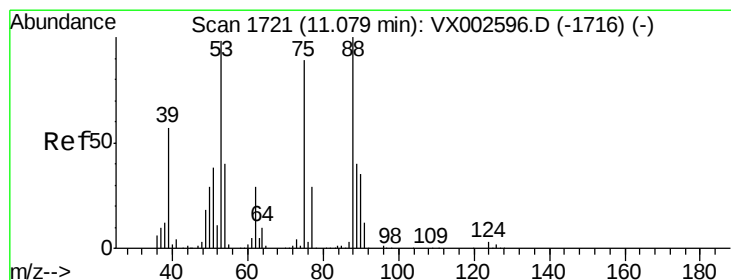
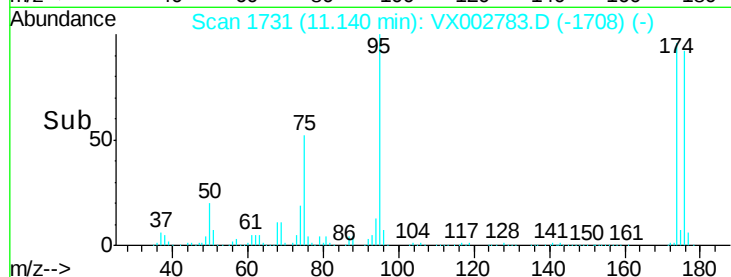
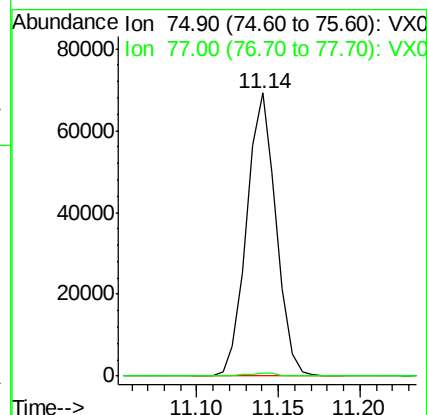
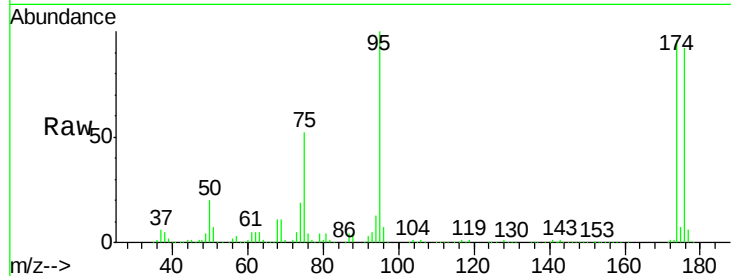
ClientSampleId :

Tot Ion: 75 Resp: 86954

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002783.D

Acq: 21 Jun 2018 11:25

Tgt Ion: 75 Resp: 86954

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

