

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010269.D
 Acq On : 13 Jun 2019 13:47
 Operator : JC/SP
 Sample : VX0613WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	309562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	468295	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	416286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182741	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	150169	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	5.49	113	151760	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
50) Toluene-d8	8.71	98	580922	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
62) 4-Bromofluorobenzene	11.13	95	188859	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	

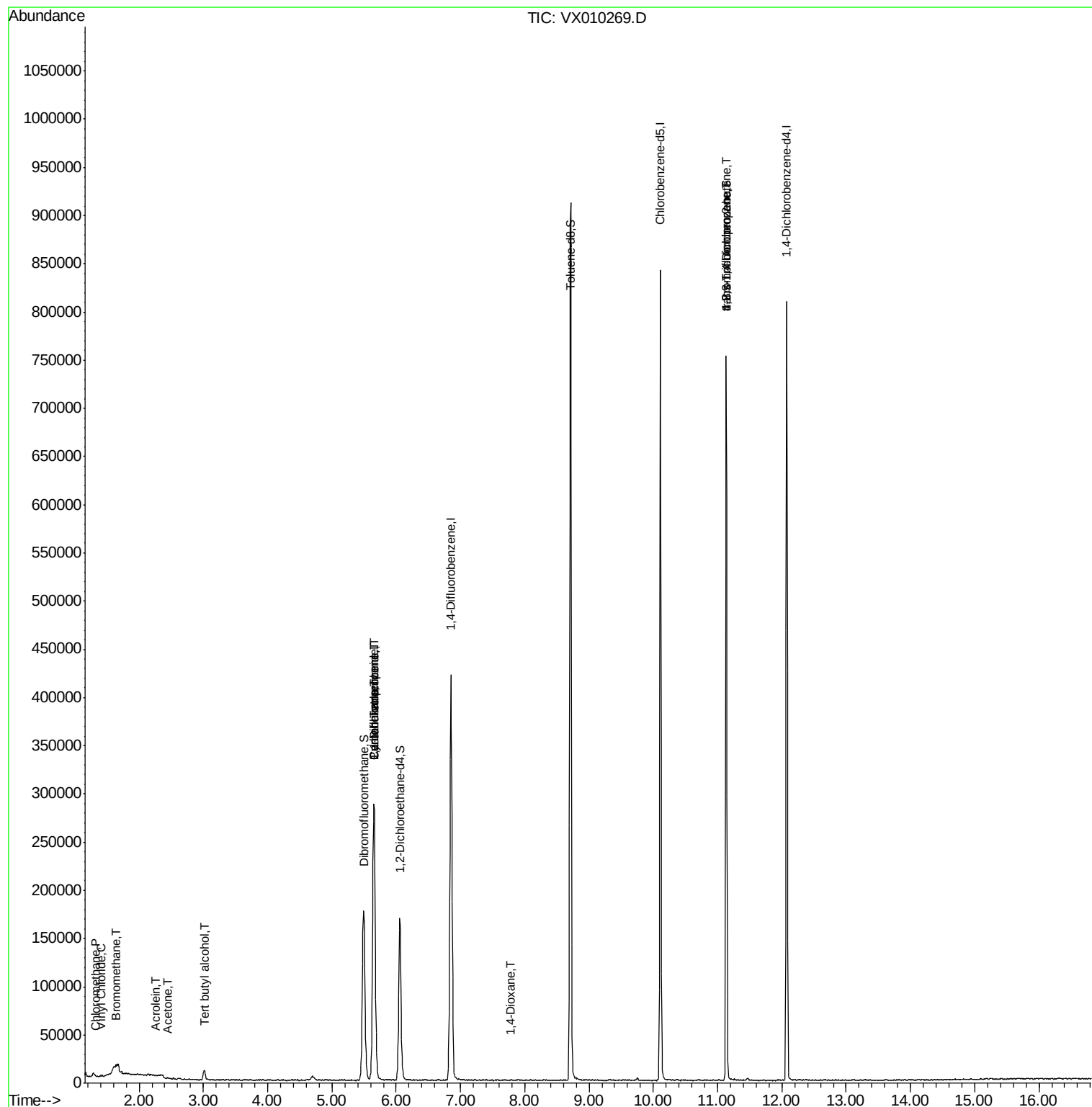
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	628	0.222	ug/l #	86
4) Vinyl Chloride	1.41	62	955	0.359	ug/l #	82
5) Bromomethane	1.64	94	364	0.363	ug/l #	65
11) Tert butyl alcohol	3.01	59	5668	7.657	ug/l #	78
13) Acrolein	2.25	56	149	1.104	ug/l #	47
16) Acetone	2.45	43	1143	0.804	ug/l #	49
31) Cyclohexane	5.65	56	5089	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18663	4.885	ug/l #	52
38) Carbon Tetrachloride	5.65	117	26327	6.088	ug/l #	15
49) 1,4-Dioxane	7.78	88	53	0.598	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	86422	23.644	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	86422	52.239	ug/l #	10

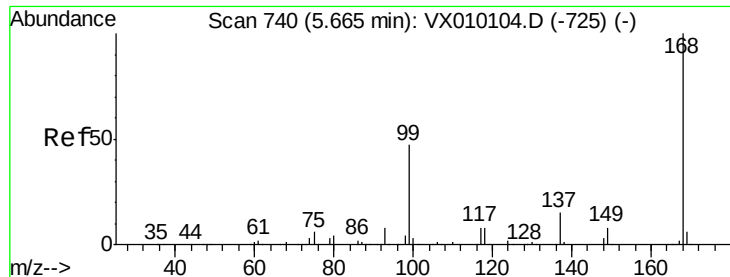
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010269.D

Acq: 13 Jun 2019 13:47

Instrument :

MSVOA_X

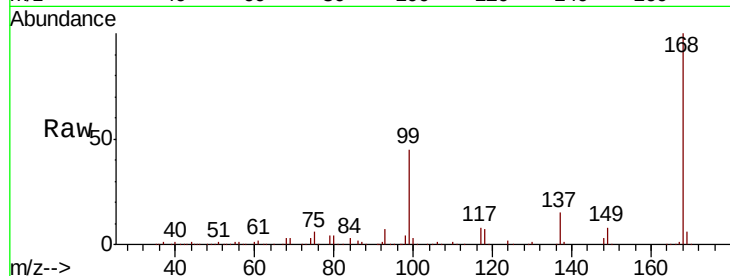
ClientSampleId :

Tot Ion:168 Resp: 309562

Ion Ratio Lower Upper

168 100

99 44.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

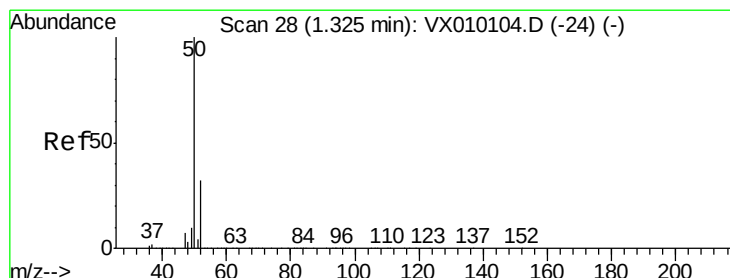
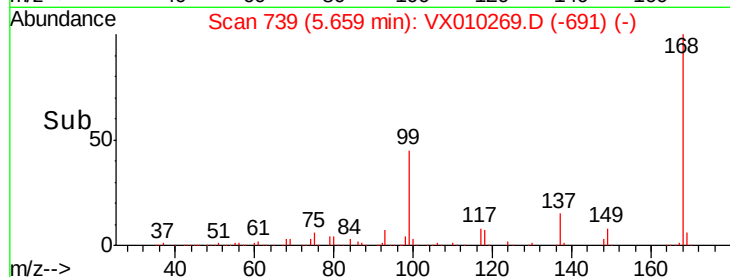
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010269.D

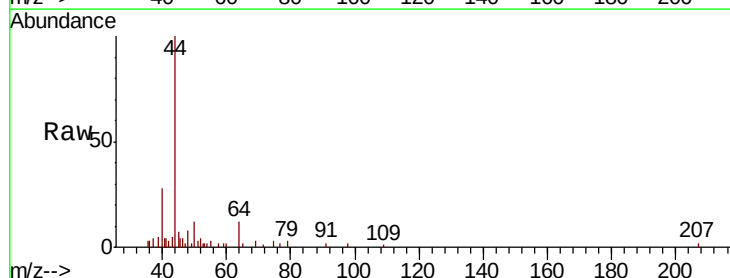
Acq: 13 Jun 2019 13:47

Tgt Ion: 50 Resp: 628

Ion Ratio Lower Upper

50 100

52 40.6 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

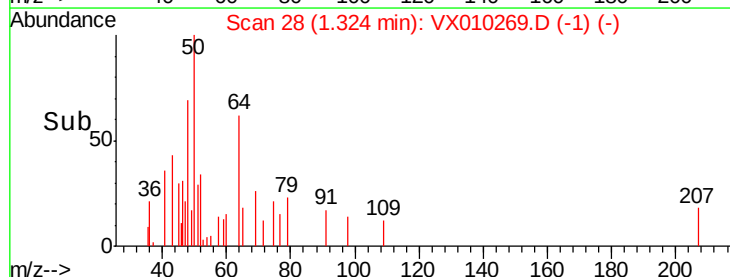
300

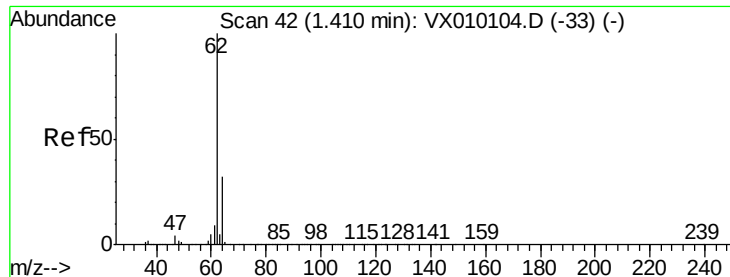
200

100

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 0.359 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010269.D

Acq: 13 Jun 2019 13:47

Instrument :

MSVOA_X

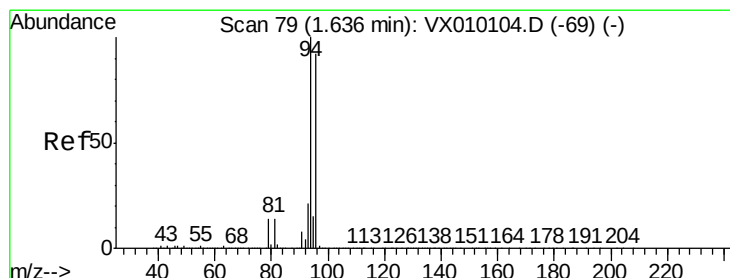
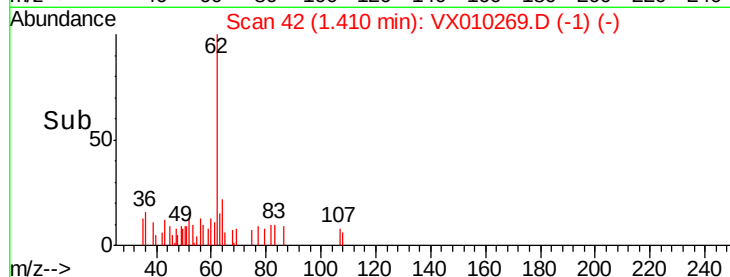
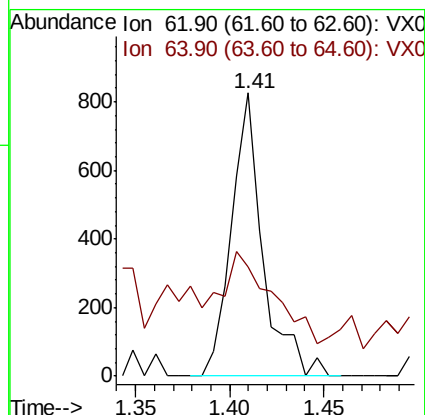
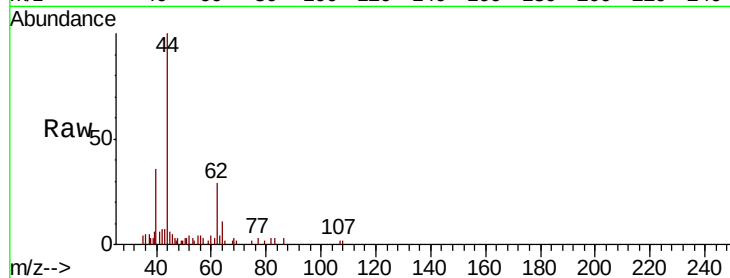
ClientSampleId :

Tot Ion: 62 Resp: 955

Ion Ratio Lower Upper

62 100

64 22.3 25.7 38.5#



#5

Bromomethane

Concen: 0.363 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010269.D

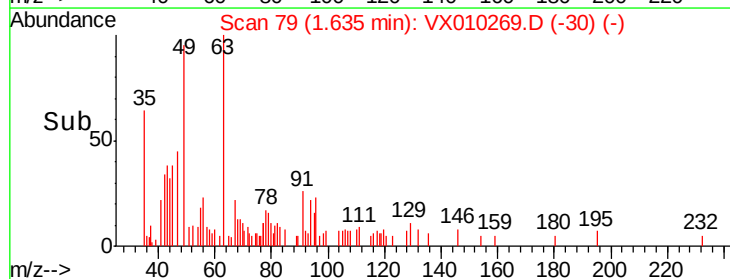
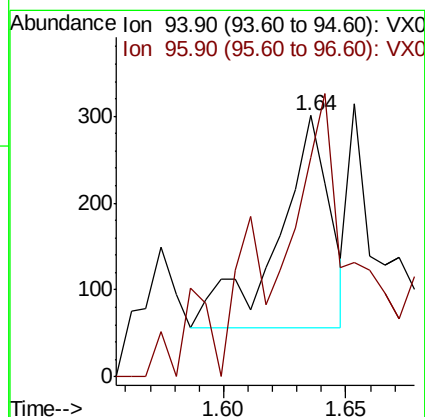
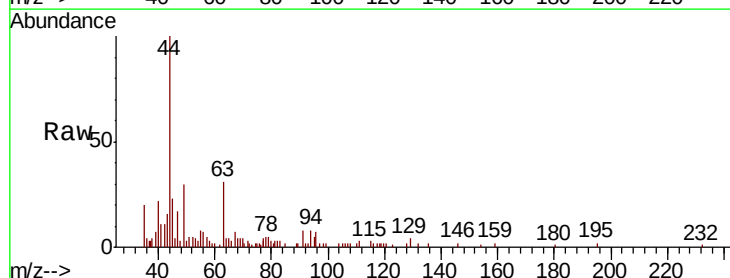
Acq: 13 Jun 2019 13:47

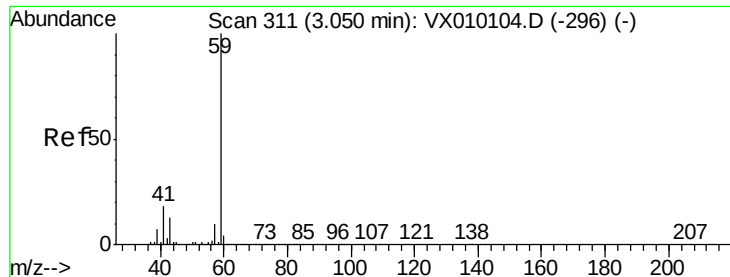
Tgt Ion: 94 Resp: 364

Ion Ratio Lower Upper

94 100

96 61.6 76.2 114.4#



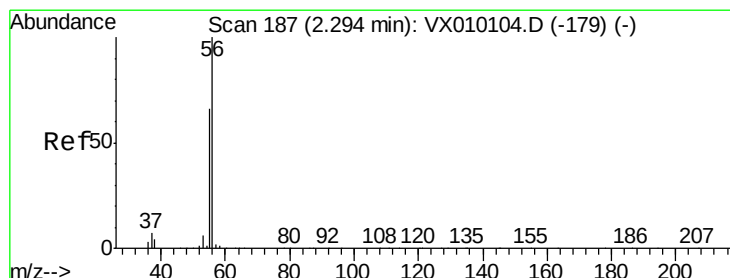
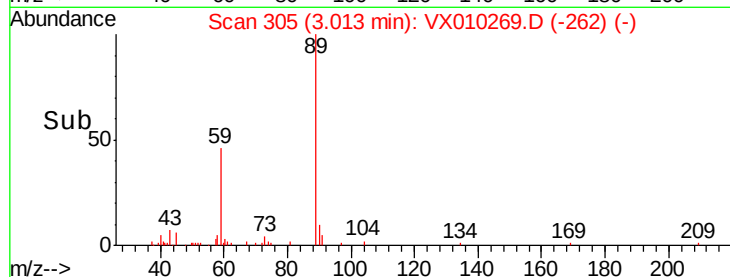
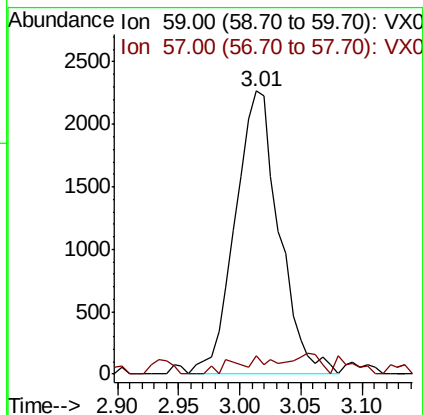
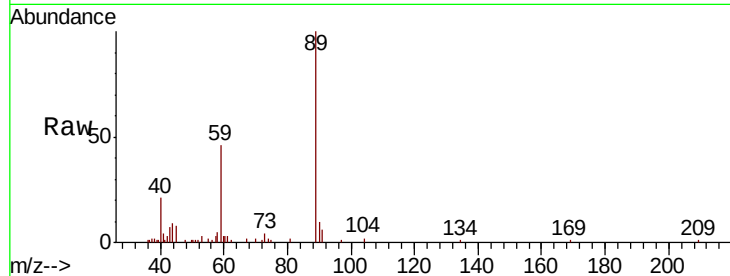


#11

Tert butyl alcohol
 Concen: 7.657 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010269.D
 Acq: 13 Jun 2019 13:47

Instrument :
 MSVOA_X
 ClientSampled :

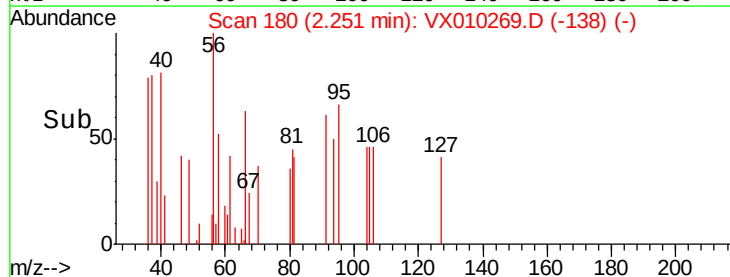
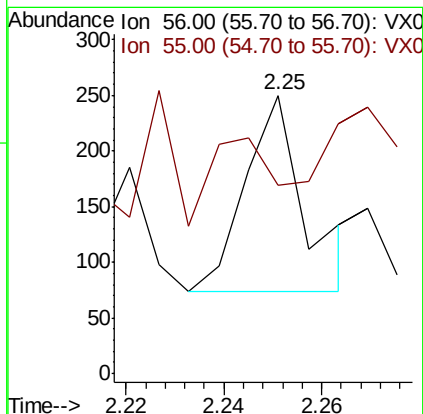
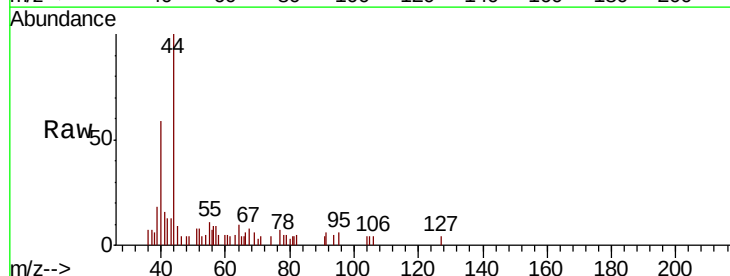
Tot Ion: 59 Resp: 5668
 Ion Ratio Lower Upper
 59 100
 57 2.1 8.2 12.2#

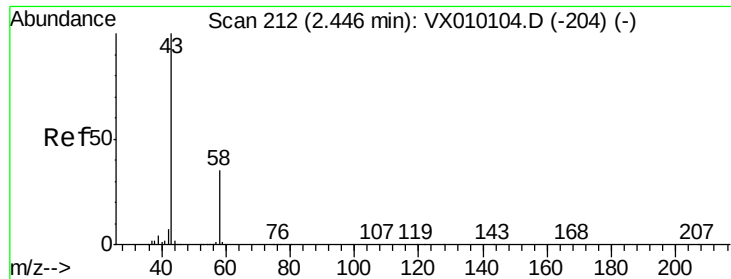


#13

Acrolein
 Concen: 1.104 ug/l
 RT: 2.25 min Scan# 180
 Delta R.T. -0.04 min
 Lab File: VX010269.D
 Acq: 13 Jun 2019 13:47

Tgt Ion: 56 Resp: 149
 Ion Ratio Lower Upper
 56 100
 55 115.4 57.0 85.4#

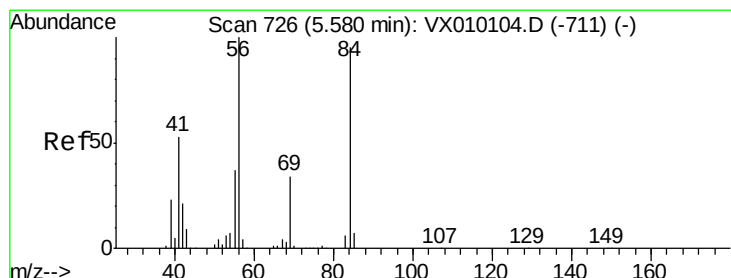
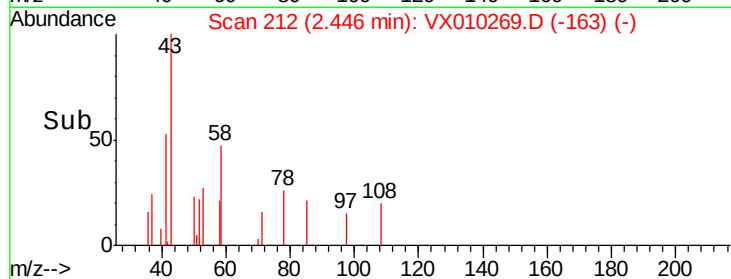
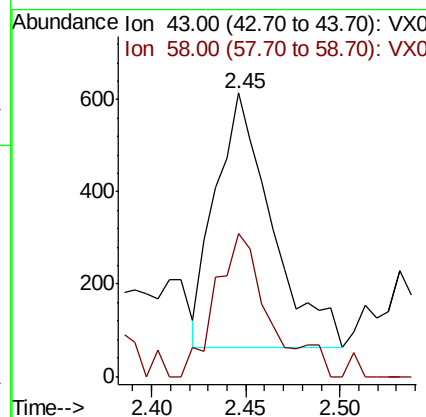
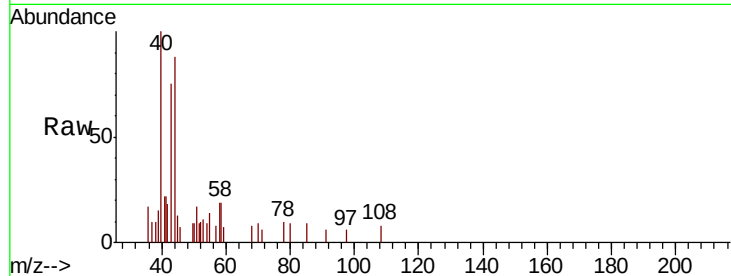




#16
Acetone
Concen: 0.804 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX010269.D
Acq: 13 Jun 2019 13:47

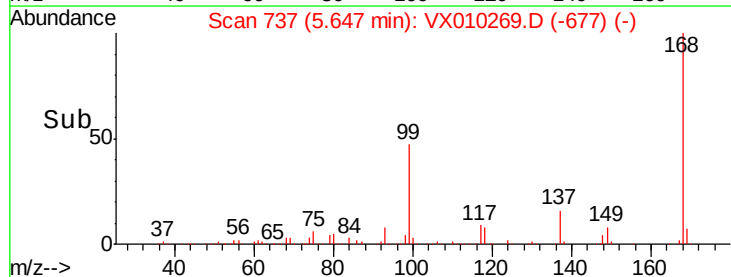
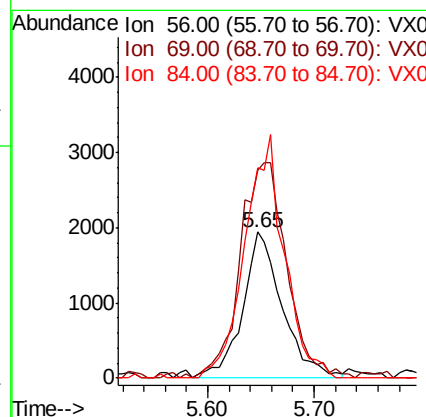
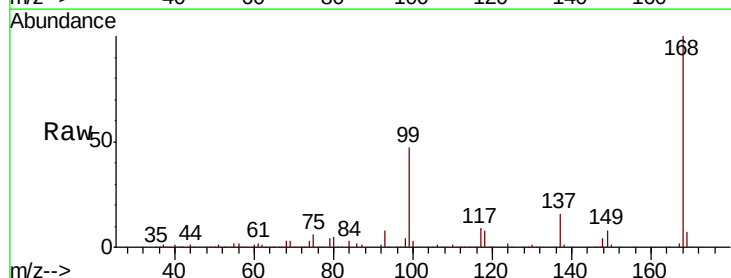
Instrument :
MSVOA_X
ClientSampleId :

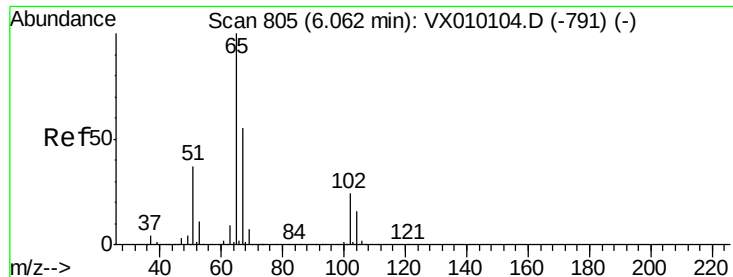
Tot Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
58 56.4 23.2 34.8#



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX010269.D
Acq: 13 Jun 2019 13:47

Tgt Ion: 56 Resp: 5089
Ion Ratio Lower Upper
56 100
69 141.8 21.6 32.4#
84 144.0 56.8 85.2#

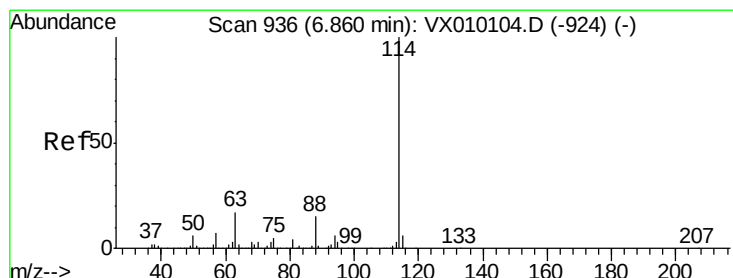
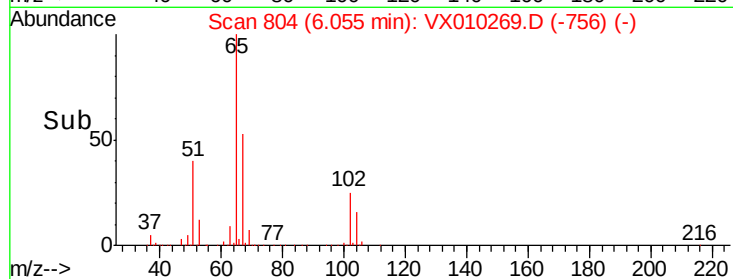
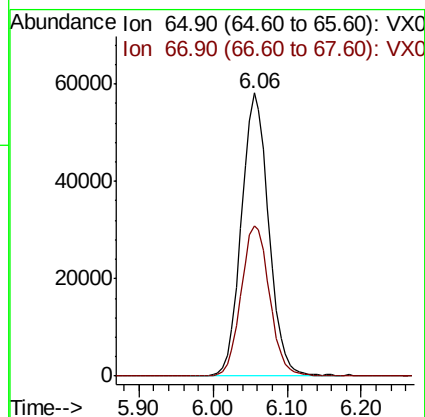
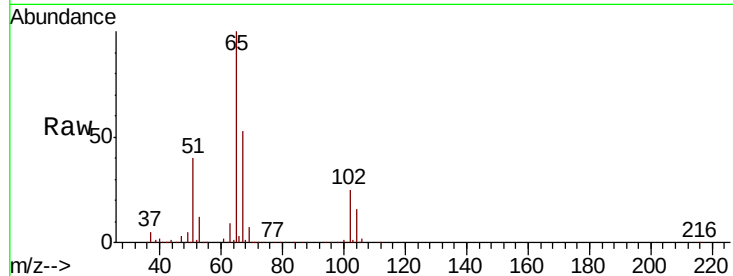




#33
 1,2-Dichloroethane-d4
 Concen: 49.697 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010269.D
 Acq: 13 Jun 2019 13:47

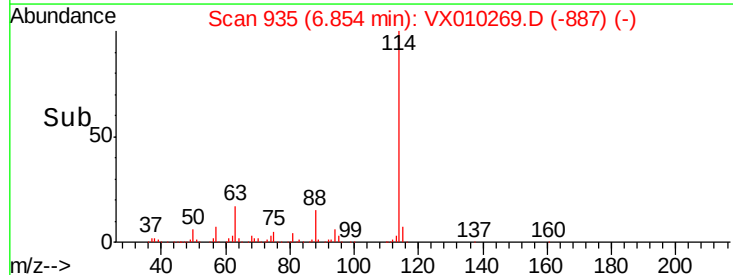
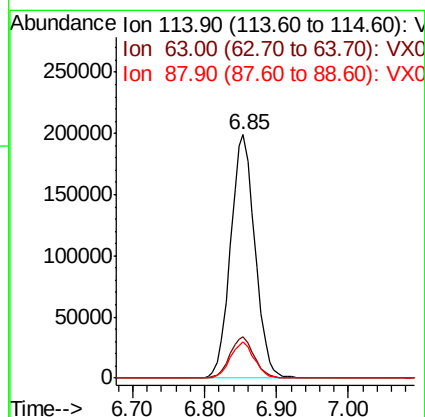
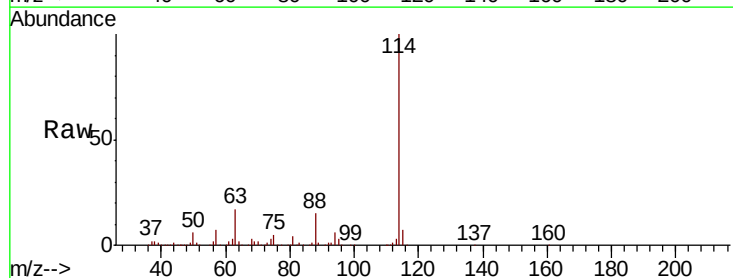
Instrument :
 MSVOA_X
 ClientSampleId :

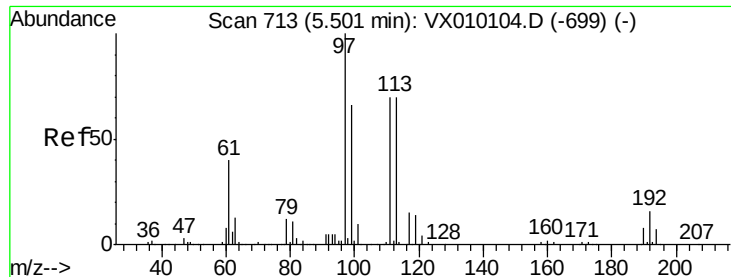
Tot Ion: 65 Resp: 150169
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010269.D
 Acq: 13 Jun 2019 13:47

Tgt Ion: 114 Resp: 468295
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 47.4
 88 15.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.538 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010269.D

Acq: 13 Jun 2019 13:47

Instrument :
MSVOA_X
ClientSampleId :

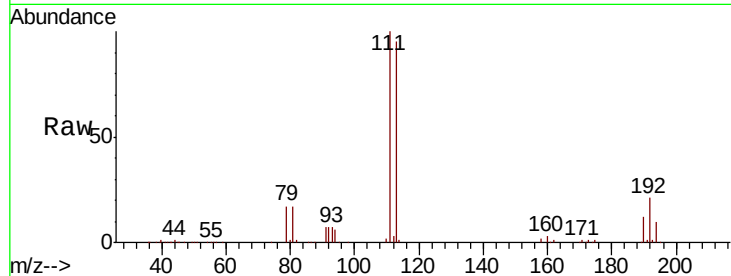
Tot Ion:113 Resp: 151760

Ion Ratio Lower Upper

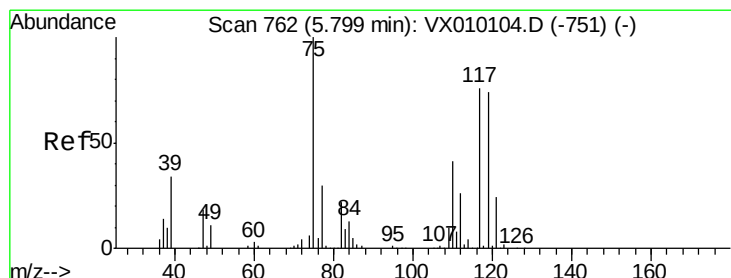
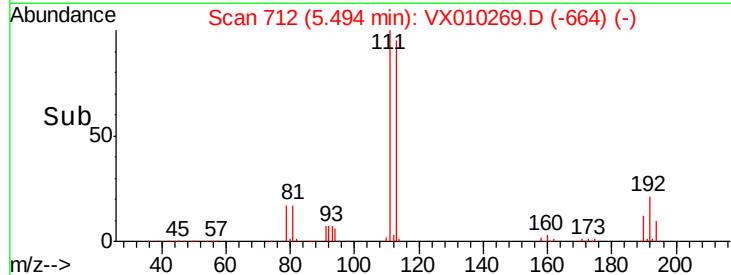
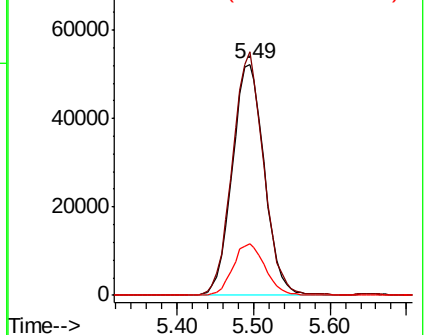
113 100

111 102.5 82.2 123.2

192 22.6 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.885 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010269.D

Acq: 13 Jun 2019 13:47

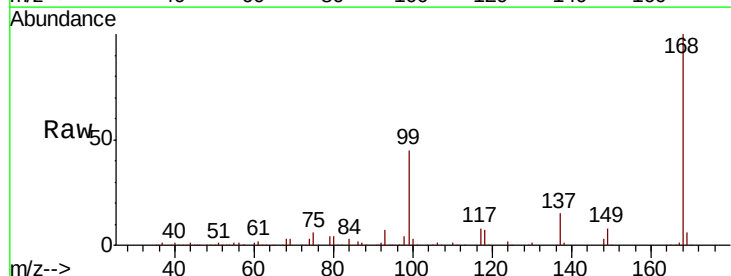
Tgt Ion: 75 Resp: 18663

Ion Ratio Lower Upper

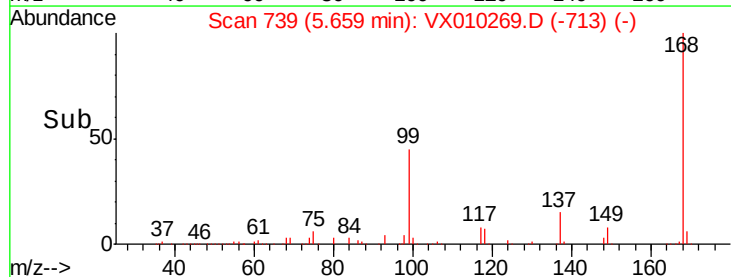
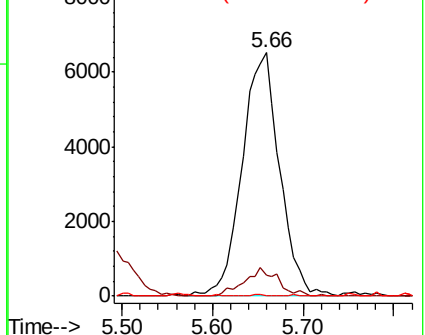
75 100

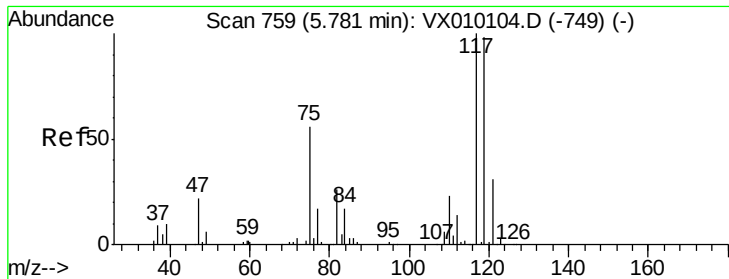
110 10.3 16.7 50.1#

77 0.2 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

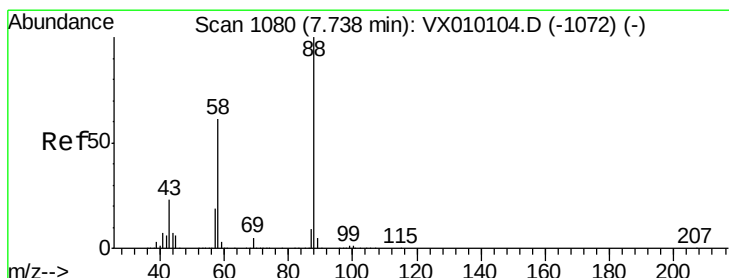
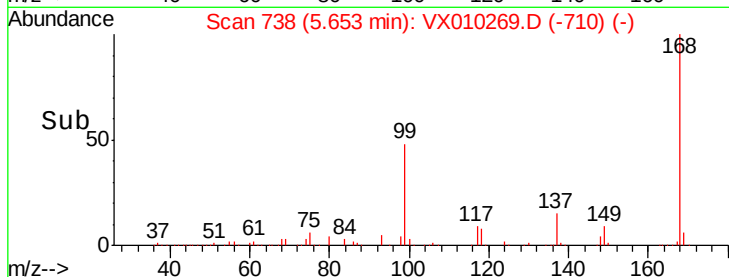
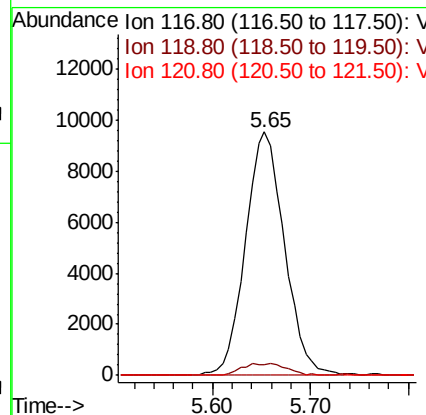
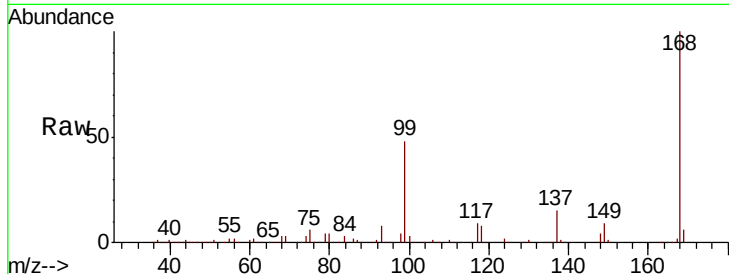




#38
Carbon Tetrachloride
Concen: 6.088 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX010269.D
Acq: 13 Jun 2019 13:47

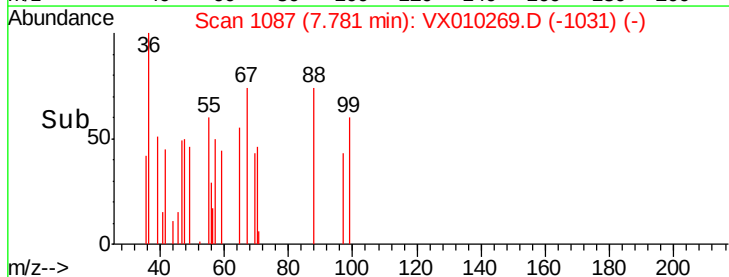
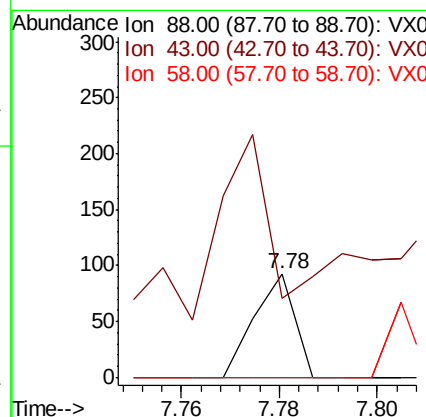
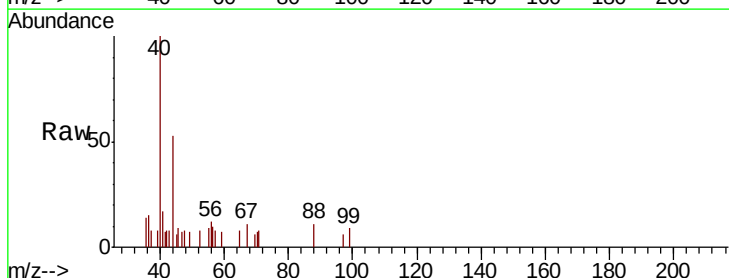
Instrument :
MSVOA_X
ClientSampleId :

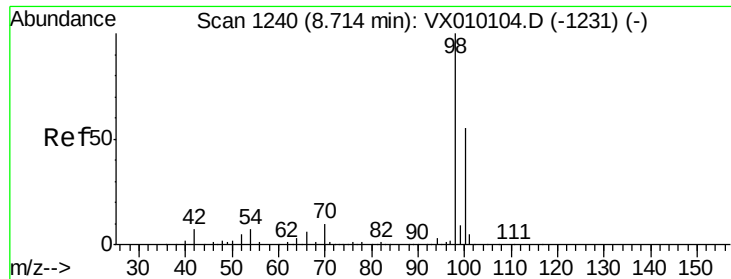
Tot Ion:117 Resp: 26327
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 25.4 38.0#



#49
1,4-Dioxane
Concen: 0.598 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.04 min
Lab File: VX010269.D
Acq: 13 Jun 2019 13:47

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 260.4 30.2 45.4#
58 0.0 64.0 96.0#

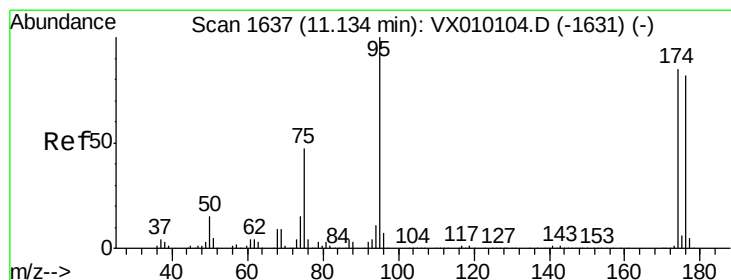
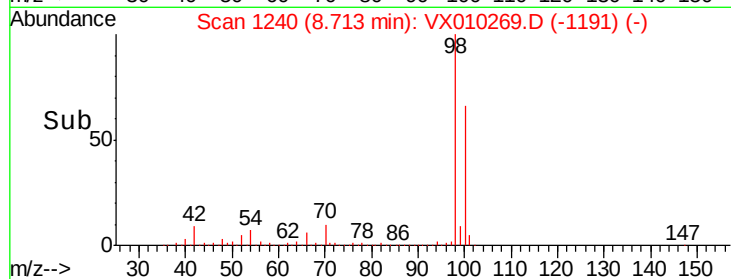
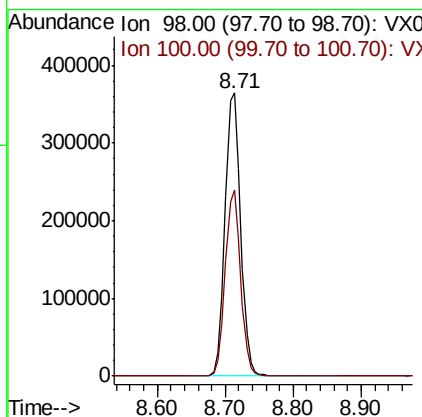
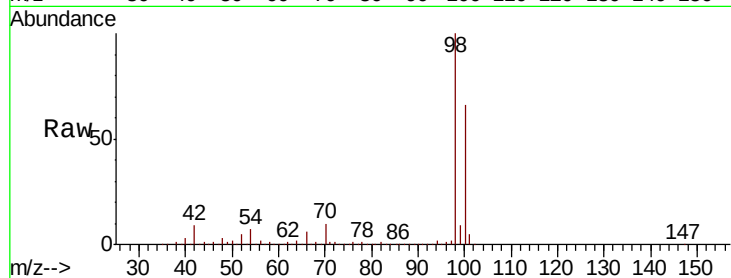




#50
Toluene-d8
Concen: 53.661 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010269.D
Acq: 13 Jun 2019 13:47

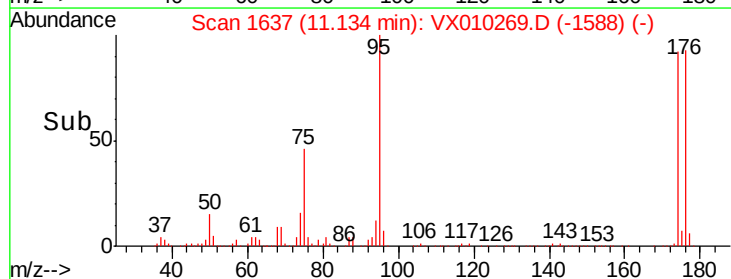
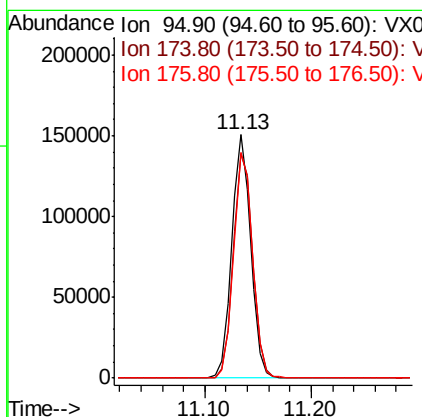
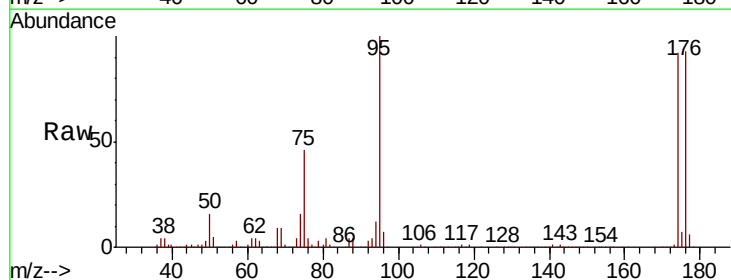
Instrument :
MSVOA_X
ClientSampleId :

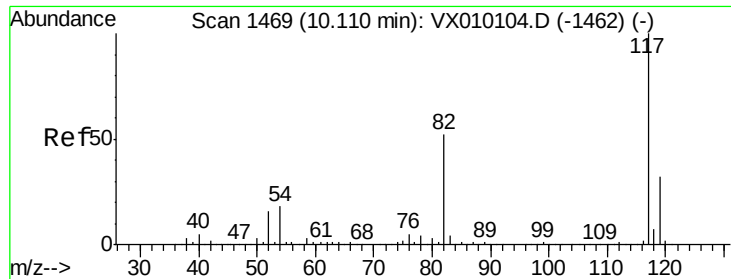
Tot Ion: 98 Resp: 580922
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 46.712 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010269.D
Acq: 13 Jun 2019 13:47

Tgt Ion: 95 Resp: 188859
Ion Ratio Lower Upper
95 100
174 94.2 0.0 160.4
176 93.4 0.0 154.6

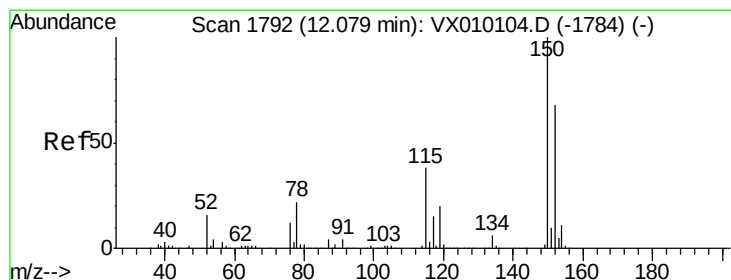
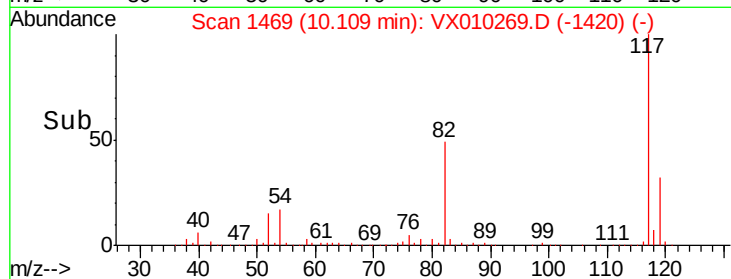
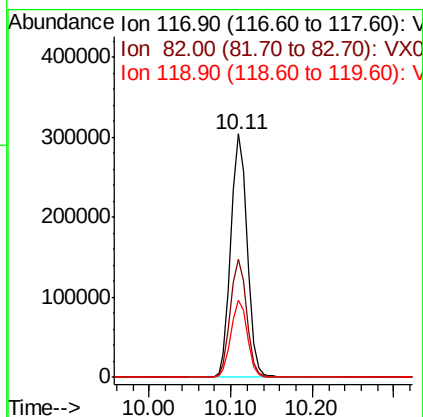
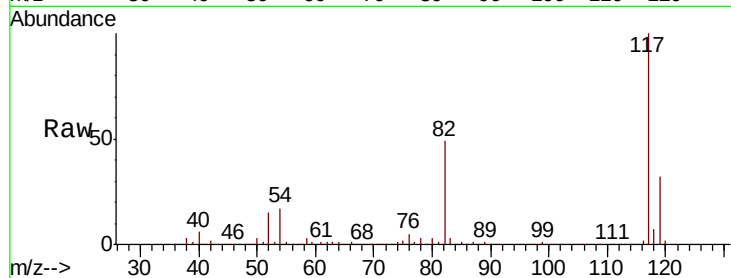




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010269.D
Acq: 13 Jun 2019 13:47

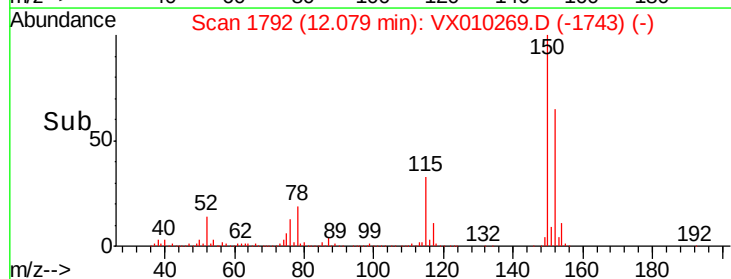
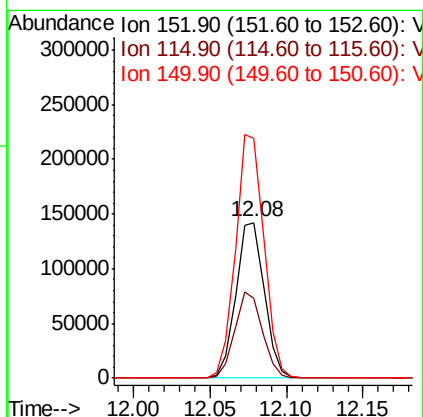
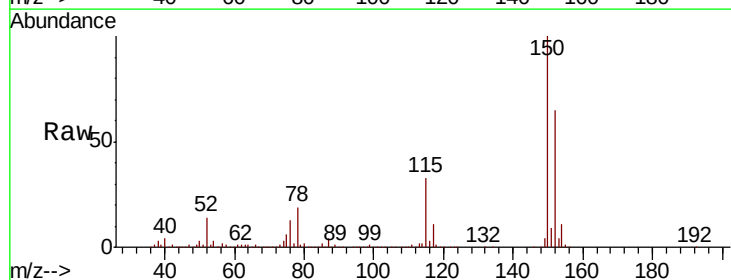
Instrument :
MSVOA_X
ClientSampled :

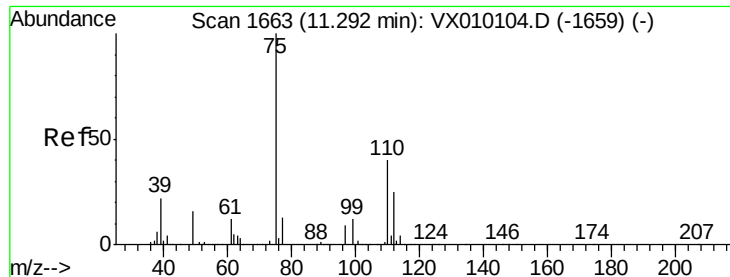
Tot Ion:117 Resp: 416286
Ion Ratio Lower Upper
117 100
82 48.6 49.2 73.8#
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010269.D
Acq: 13 Jun 2019 13:47

Tgt Ion:152 Resp: 182741
Ion Ratio Lower Upper
152 100
115 54.0 41.4 124.2
150 157.1 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 23.644 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010269.D

Acq: 13 Jun 2019 13:47

Instrument :

MSVOA_X

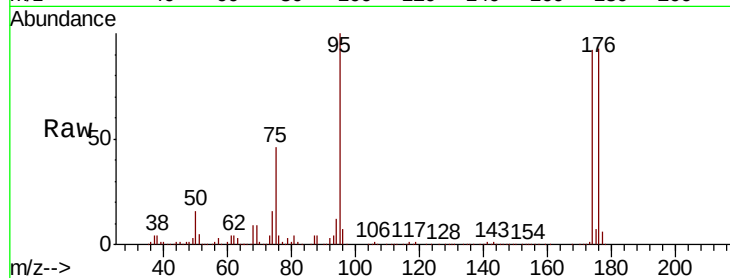
ClientSampleId :

Tot Ion: 75 Resp: 86422

Ion Ratio Lower Upper

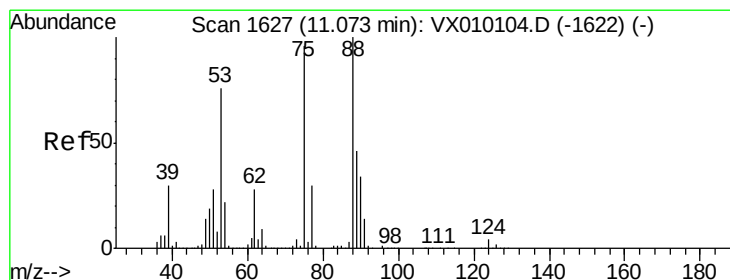
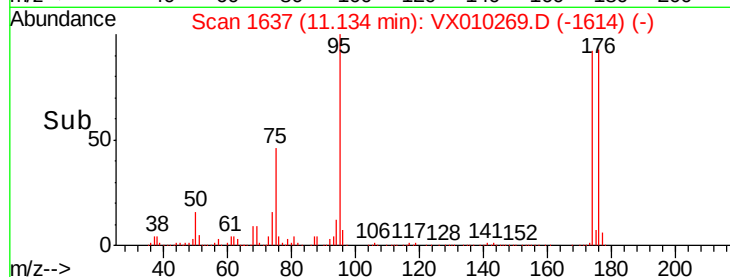
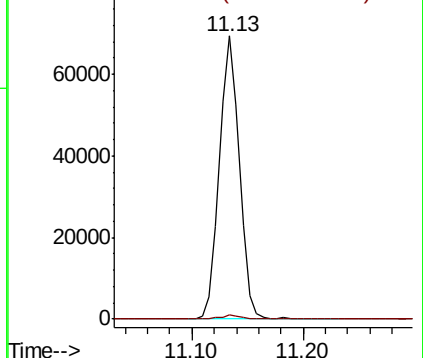
75 100

77 1.5 22.1 66.1#



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: 52.239 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010269.D

Acq: 13 Jun 2019 13:47

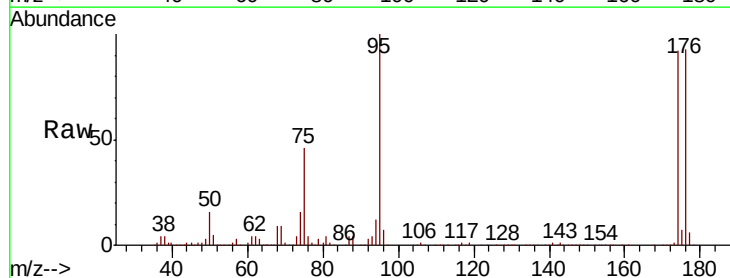
Tgt Ion: 75 Resp: 86422

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

89 0.0 34.2 51.4#



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

