

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
 Data File : VX010327.D
 Acq On : 17 Jun 2019 16:22
 Operator : JC/SP
 Sample : IBLK1
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

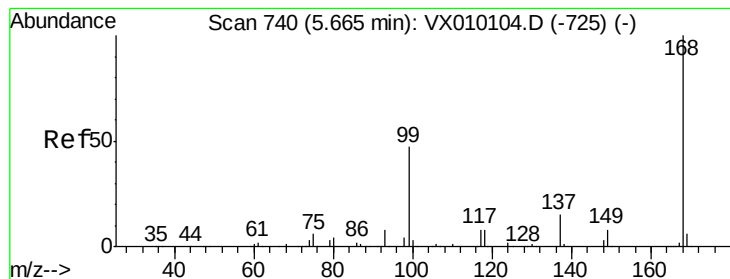
Quant Time: Jun 18 01:53:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	363195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	545106	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	486855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	239066	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	172224	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	5.50	113	165920	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	8.71	98	636299	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.13	95	223839	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	712	0.605	ug/l #	30
6) Chloroethane	1.68	64	580	0.369	ug/l #	43
11) Tert butyl alcohol	3.02	59	5153	5.933	ug/l #	88
13) Acrolein	2.30	56	129	0.815	ug/l #	1
16) Acetone	2.44	43	548	0.329	ug/l #	82
18) Methyl Acetate	2.78	43	977	0.266	ug/l #	76
31) Cyclohexane	5.66	56	6348	1.230	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	22297	5.014	ug/l #	52
38) Carbon Tetrachloride	5.67	117	31753	6.308	ug/l #	15
49) 1,4-Dioxane	7.69	88	38	0.368	ug/l #	77
76) 1,2,3-Trichloropropane	11.13	75	104556	21.866	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	104556	48.310	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.80	105	4314	0.304	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010327.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_X

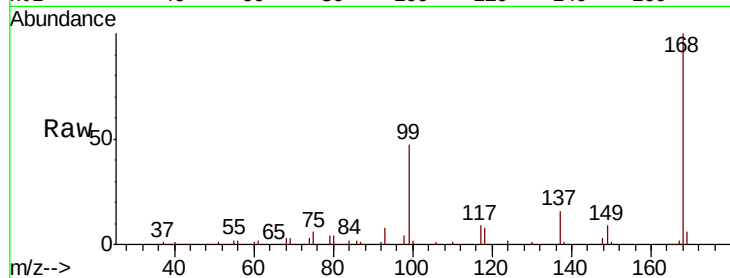
ClientSampled :

Tot Ion:168 Resp: 363195

Ion Ratio Lower Upper

168 100

99 47.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

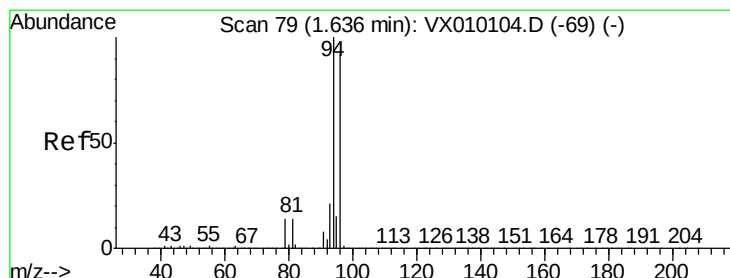
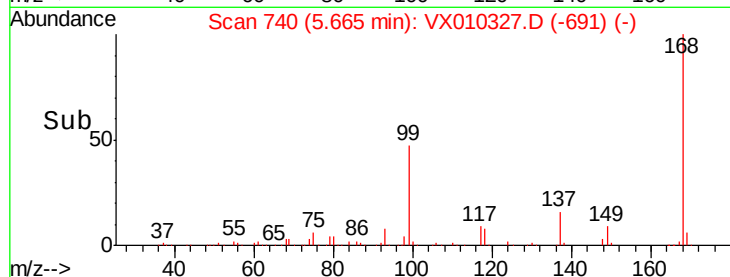
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.605 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010327.D

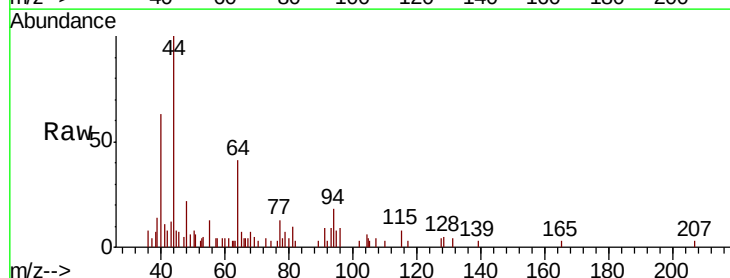
Acq: 17 Jun 2019 16:22

Tgt Ion: 94 Resp: 712

Ion Ratio Lower Upper

94 100

96 27.1 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

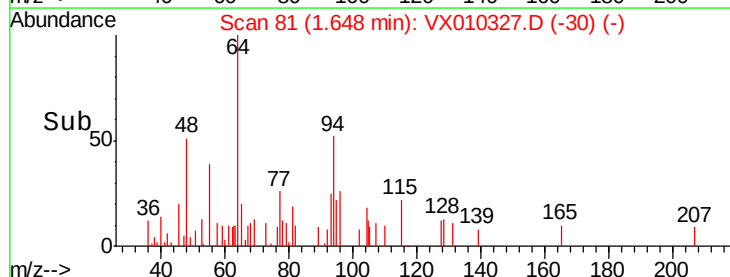
200

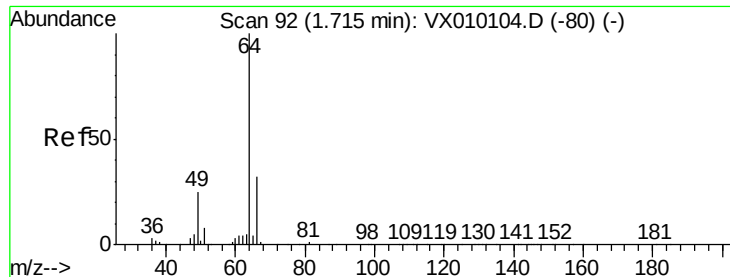
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.369 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010327.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_X

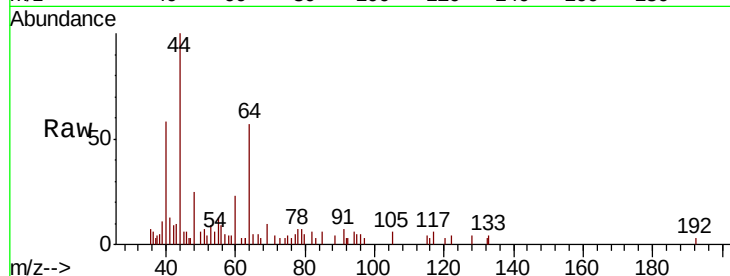
ClientSampled :

Tot Ion: 64 Resp: 580

Ion Ratio Lower Upper

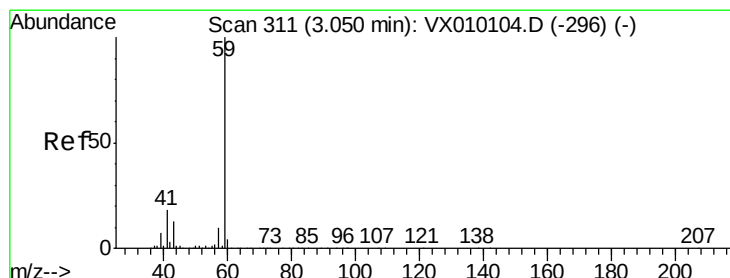
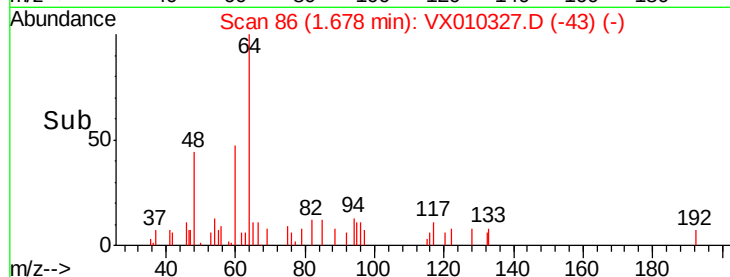
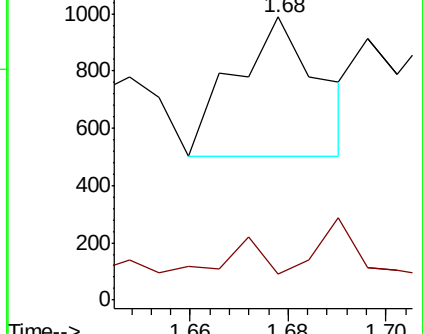
64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 5.933 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010327.D

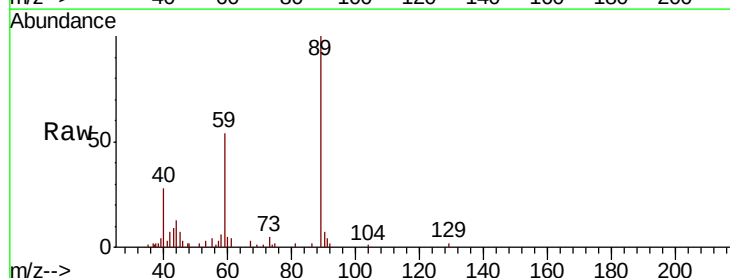
Acq: 17 Jun 2019 16:22

Tgt Ion: 59 Resp: 5153

Ion Ratio Lower Upper

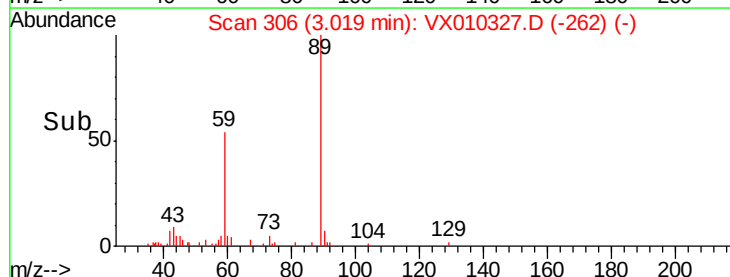
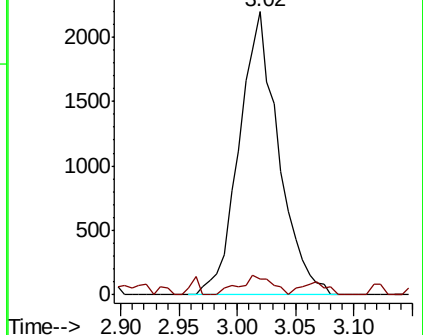
59 100

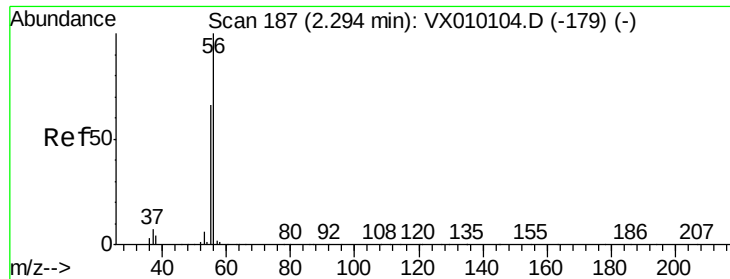
57 5.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

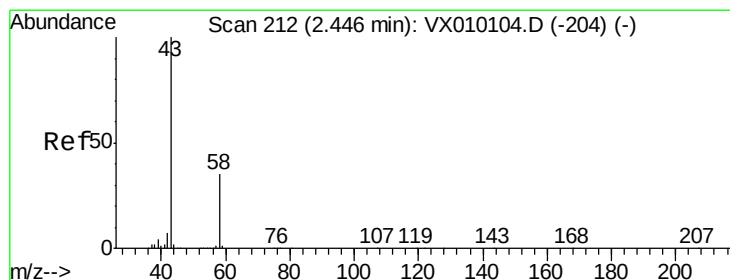
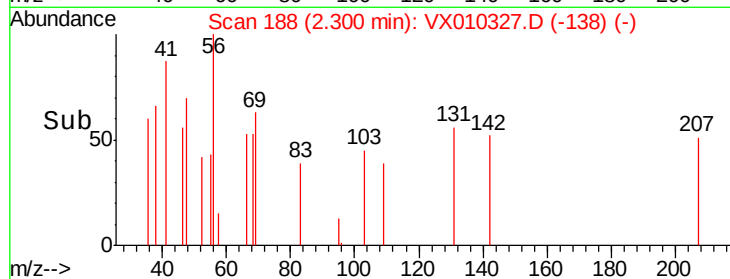
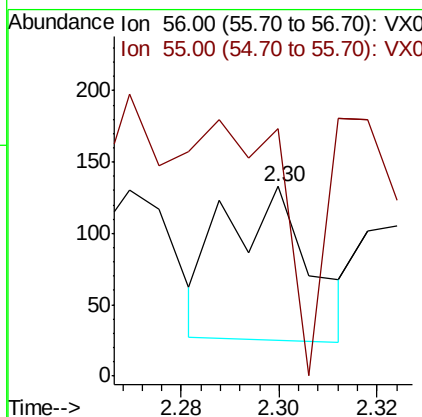
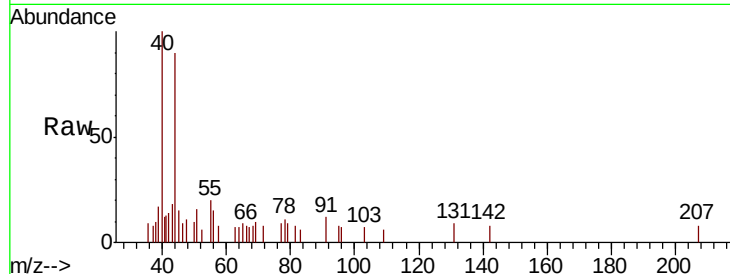




#13
Acrolein
Concen: 0.815 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX010327.D
Acq: 17 Jun 2019 16:22

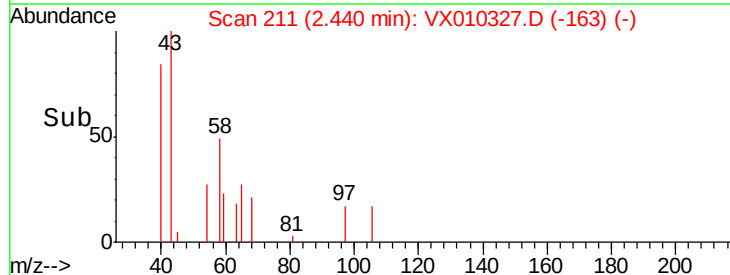
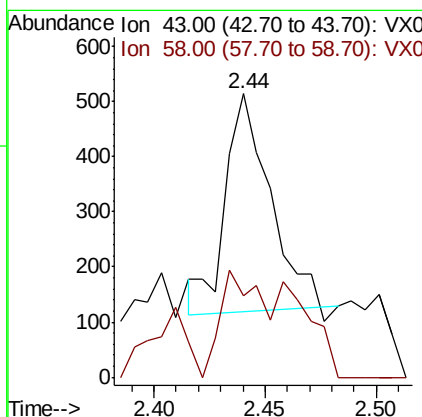
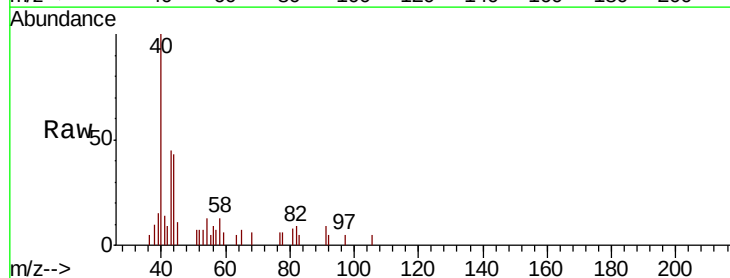
Instrument :
MSVOA_X
ClientSampled :

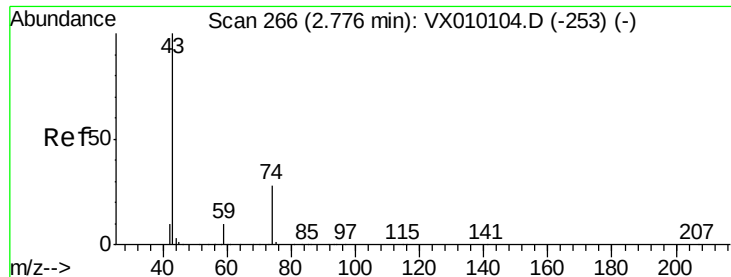
Tot Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 212.4 57.0 85.4#



#16
Acetone
Concen: 0.329 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010327.D
Acq: 17 Jun 2019 16:22

Tgt Ion: 43 Resp: 548
Ion Ratio Lower Upper
43 100
58 38.5 23.2 34.8#

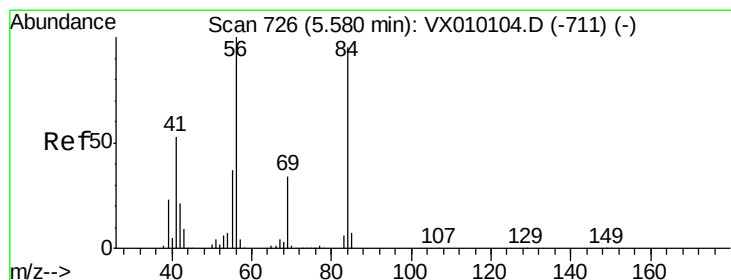
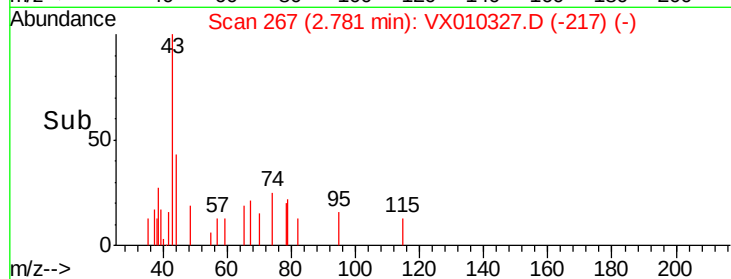
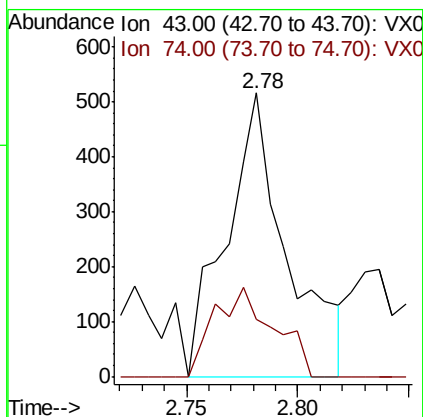
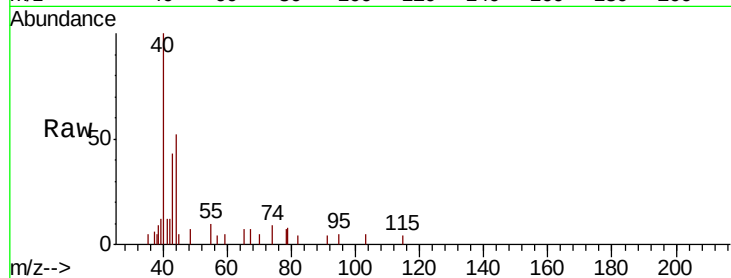




#18
Methvl Acetate
Concen: 0.266 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010327.D
Acq: 17 Jun 2019 16:22

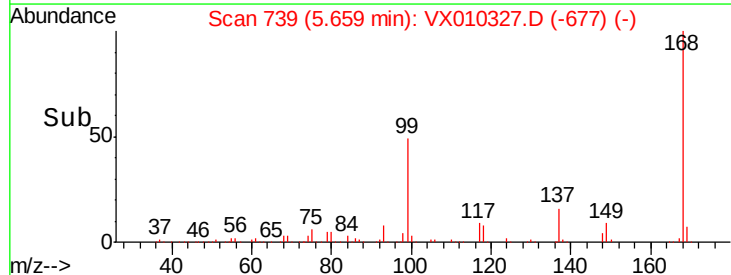
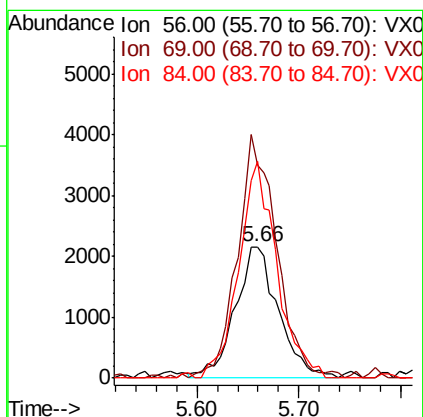
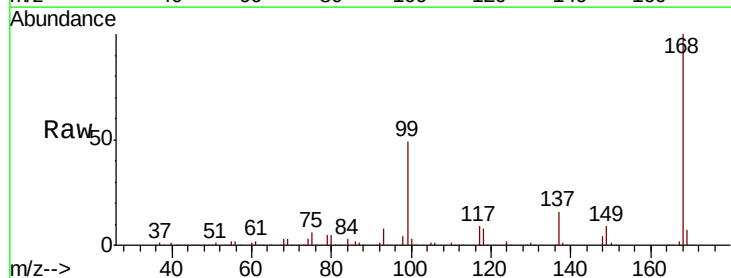
Instrument :
MSVOA_X
ClientSampled :

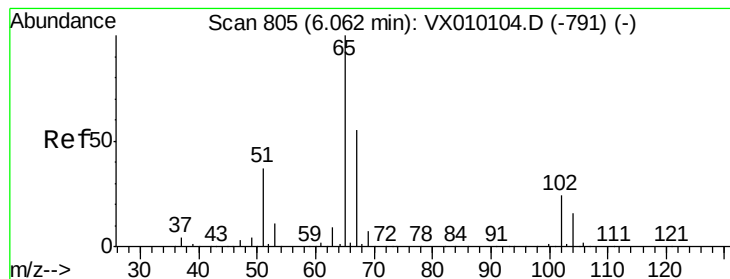
Tot Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
74 30.7 15.8 23.6#



#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010327.D
Acq: 17 Jun 2019 16:22

Tgt Ion: 56 Resp: 6348
Ion Ratio Lower Upper
56 100
69 162.7 21.6 32.4#
84 165.4 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 48.580 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010327.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_X

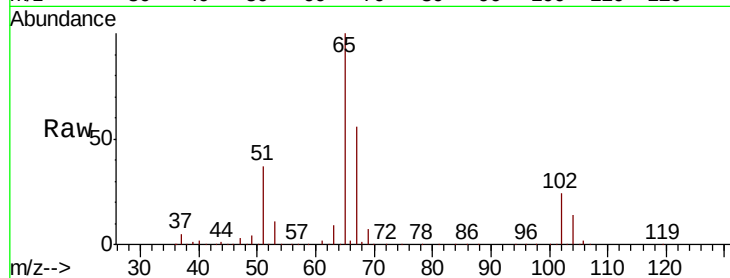
ClientSampleId :

Tot Ion: 65 Resp: 172224

Ion Ratio Lower Upper

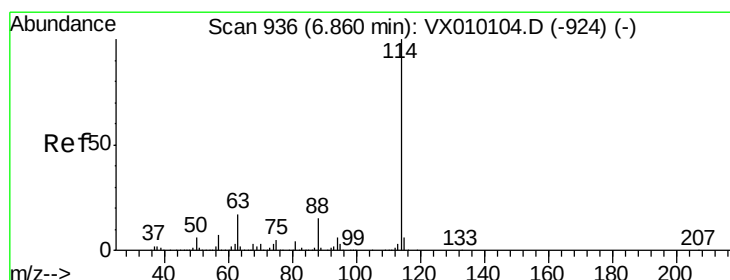
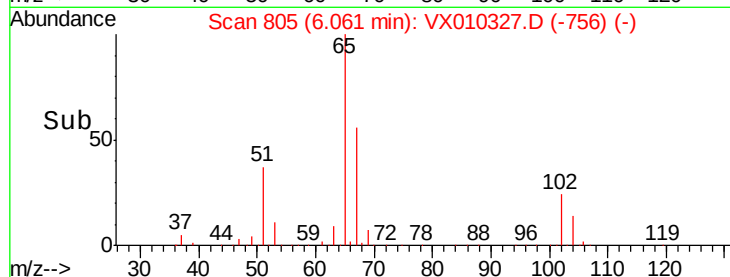
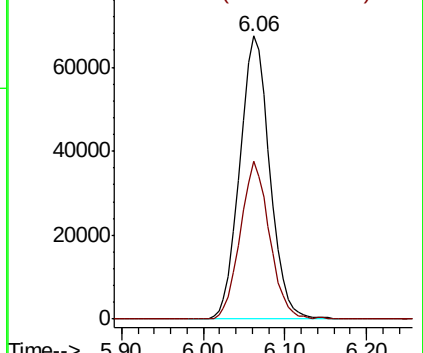
65 100

67 54.5 0.0 108.4



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: VX010327.D

Acq: 17 Jun 2019 16:22

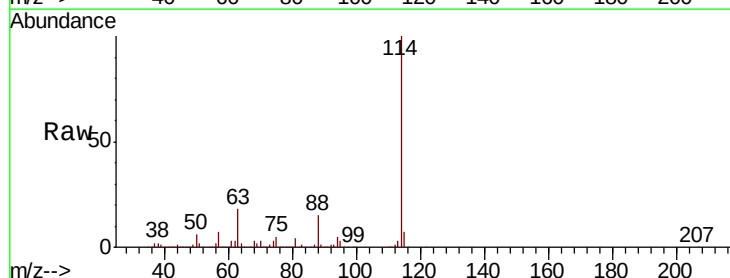
Tgt Ion: 114 Resp: 545106

Ion Ratio Lower Upper

114 100

63 17.7 0.0 47.4

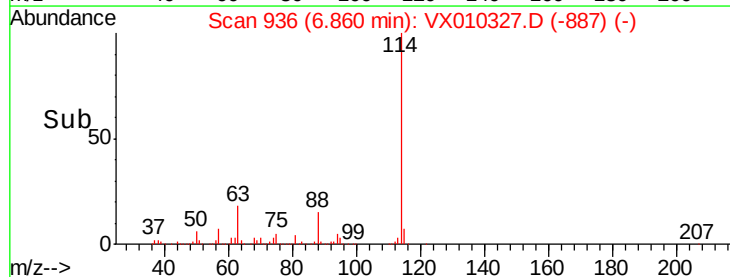
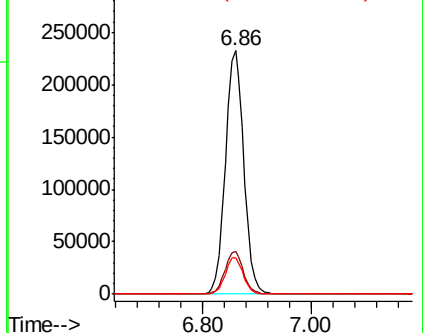
88 14.8 0.0 33.0

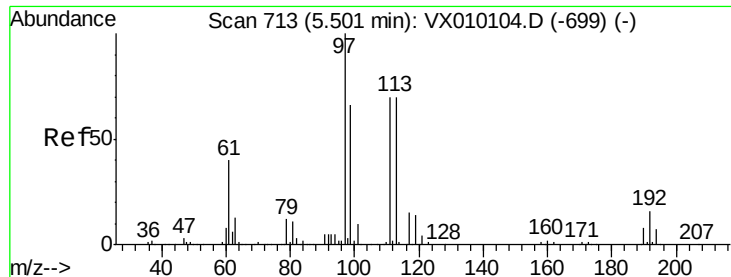


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

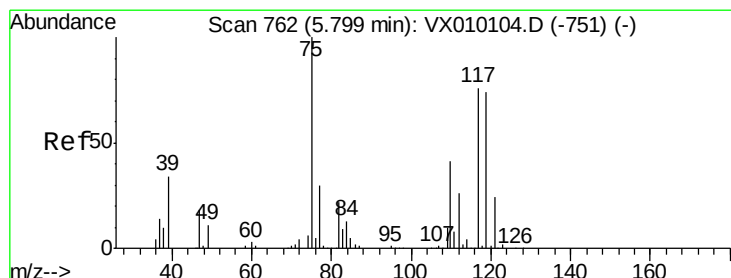
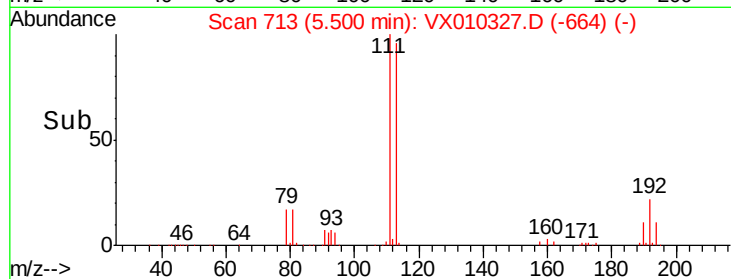
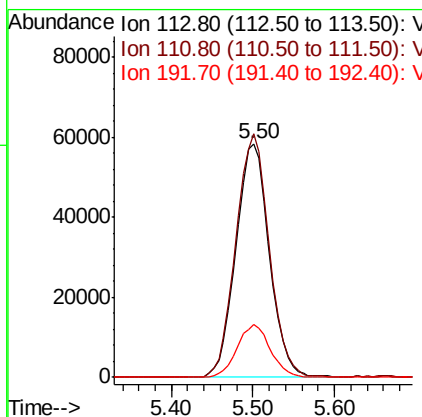
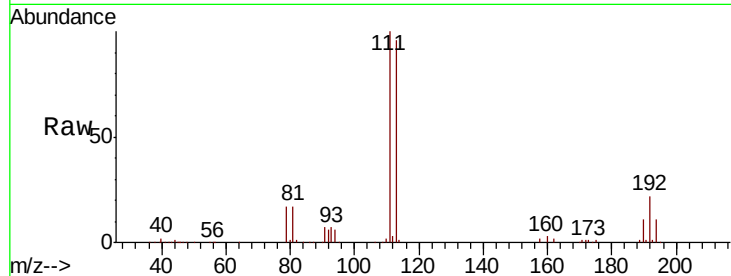




#35
 Dibromofluoromethane
 Concen: 49.347 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010327.D
 Acq: 17 Jun 2019 16:22

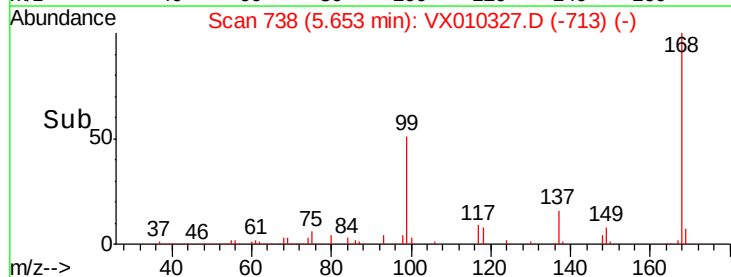
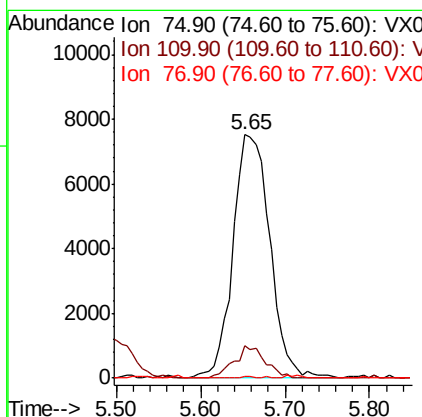
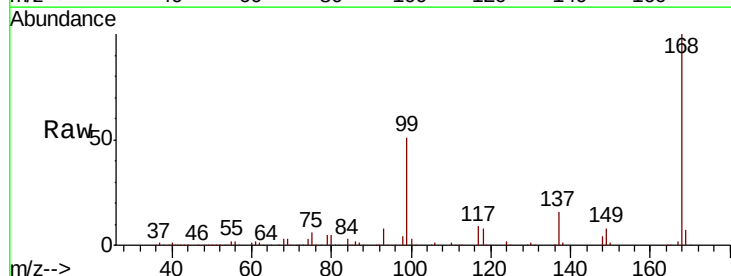
Instrument :
 MSVOA_X
 ClientSampleId :

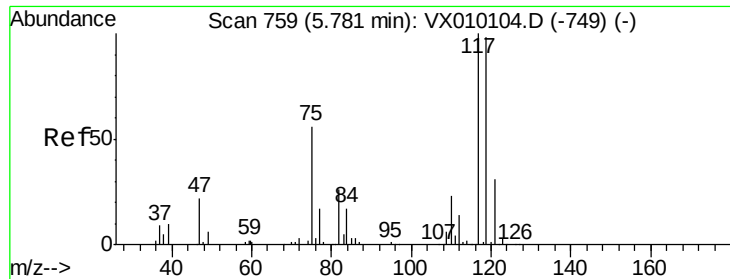
Tot Ion:113 Resp: 165920
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.2 123.2
 192 22.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.014 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010327.D
 Acq: 17 Jun 2019 16:22

Tgt Ion: 75 Resp: 22297
 Ion Ratio Lower Upper
 75 100
 110 11.0 16.7 50.1#
 77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.308 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010327.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_X

ClientSampled :

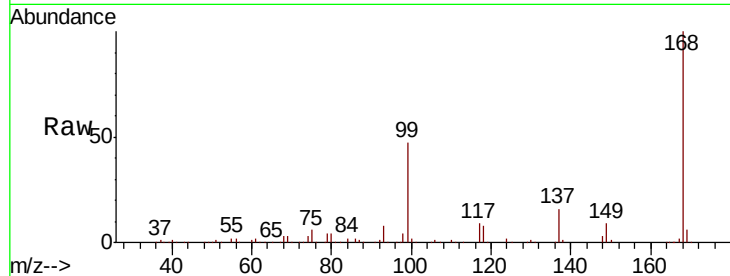
Tot Ion:117 Resp: 31753

Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

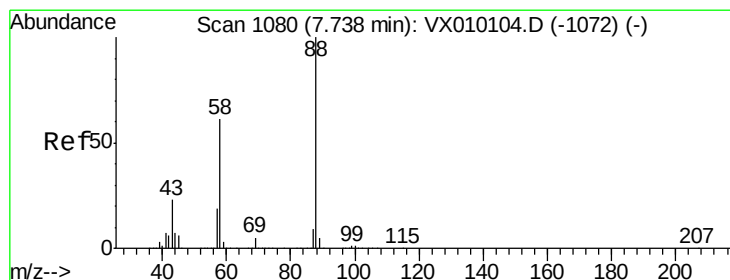
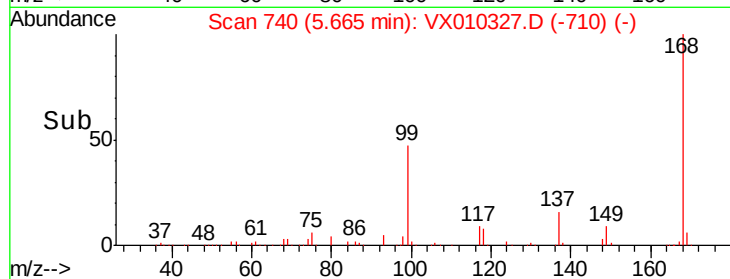
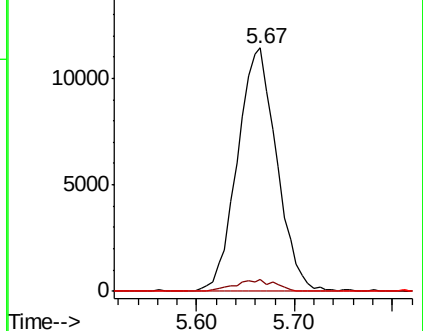
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.368 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.05 min

Lab File: VX010327.D

Acq: 17 Jun 2019 16:22

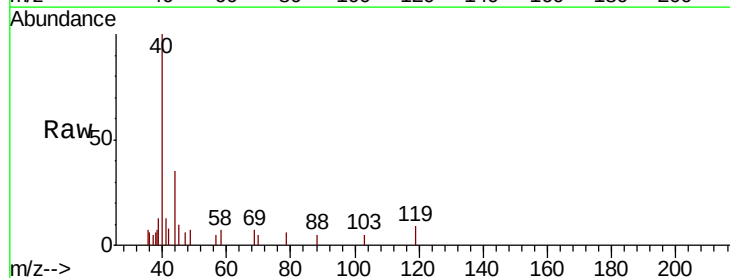
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

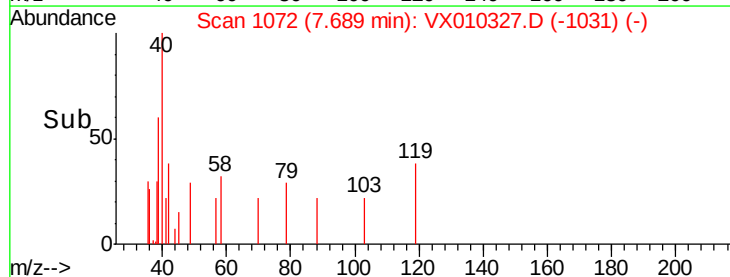
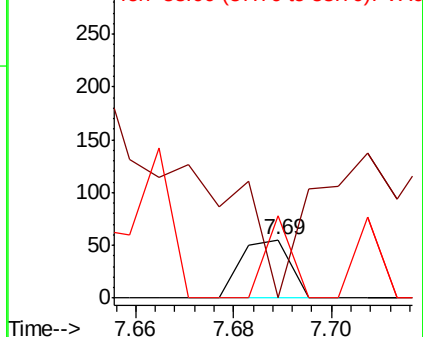
58 76.3 64.0 96.0

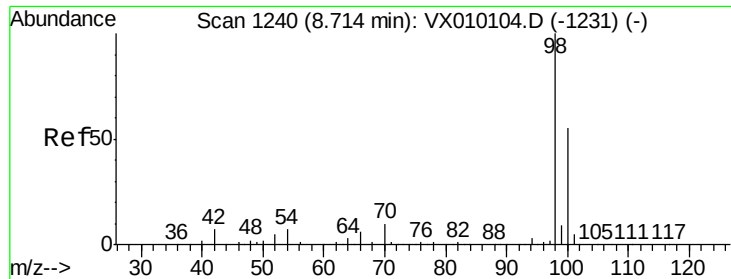


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

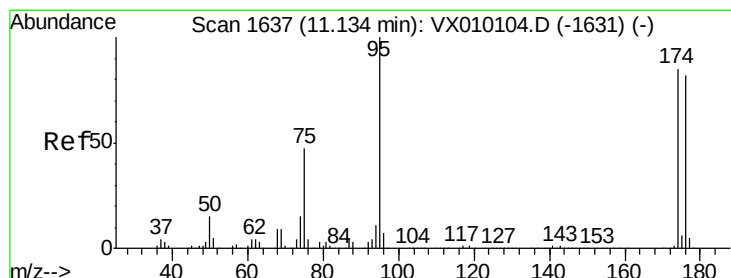
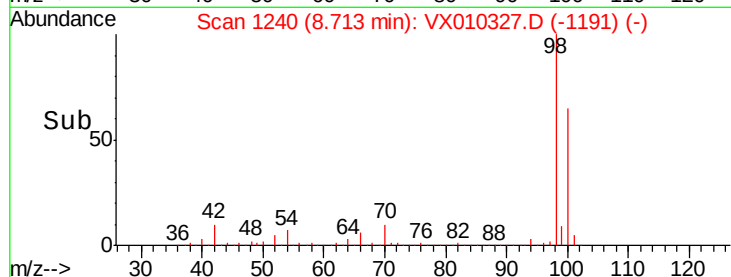
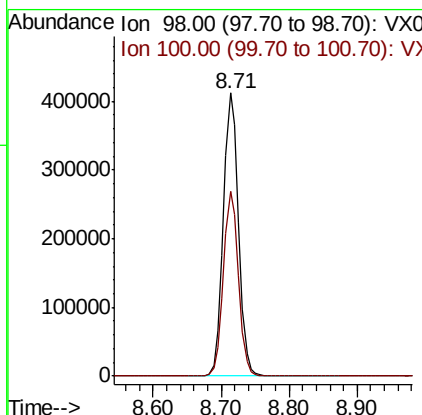
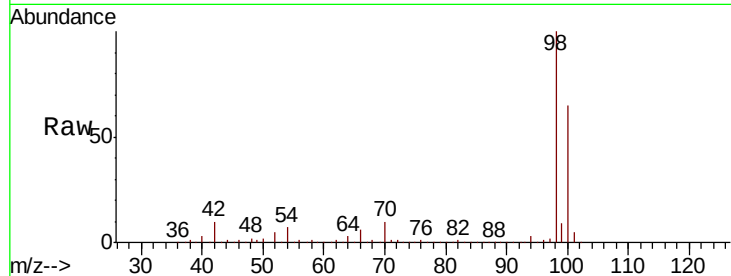




#50
Toluene-d8
Concen: 50.494 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010327.D
Acq: 17 Jun 2019 16:22

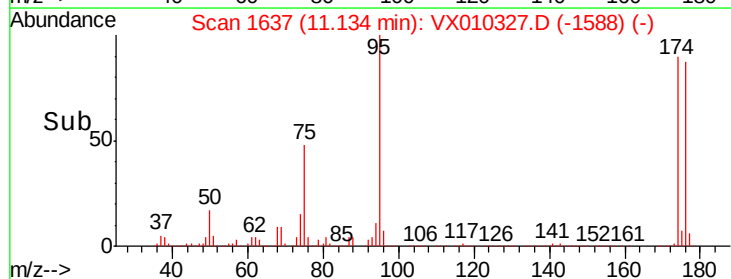
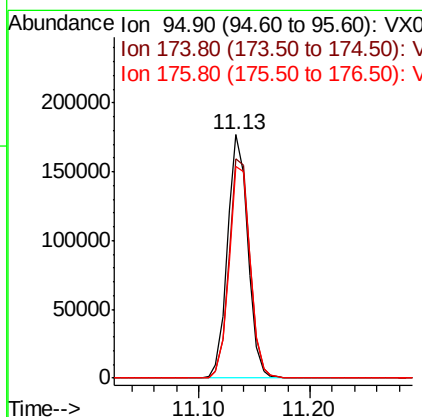
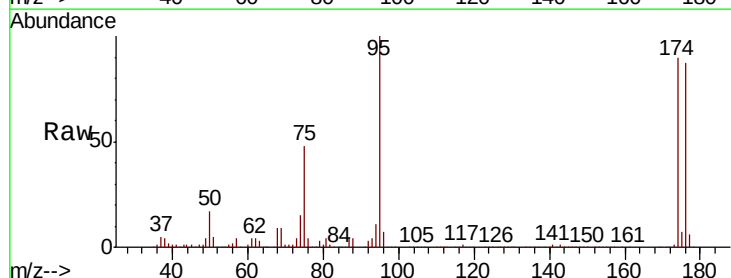
Instrument :
MSVOA_X
ClientSampleId :

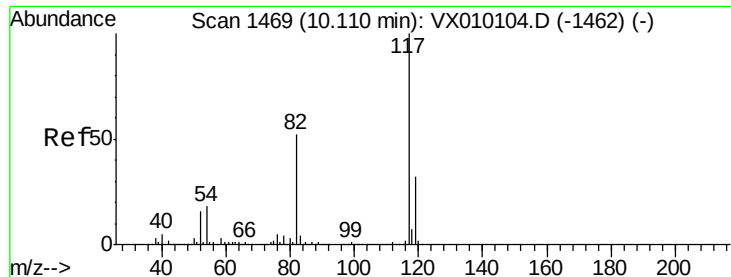
Tot Ion: 98 Resp: 636299
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 47.563 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010327.D
Acq: 17 Jun 2019 16:22

Tgt Ion: 95 Resp: 223839
Ion Ratio Lower Upper
95 100
174 92.5 0.0 160.4
176 90.3 0.0 154.6

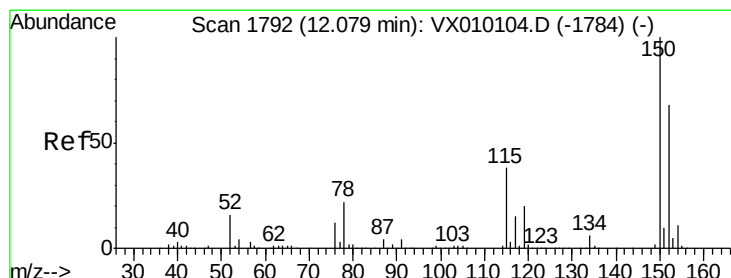
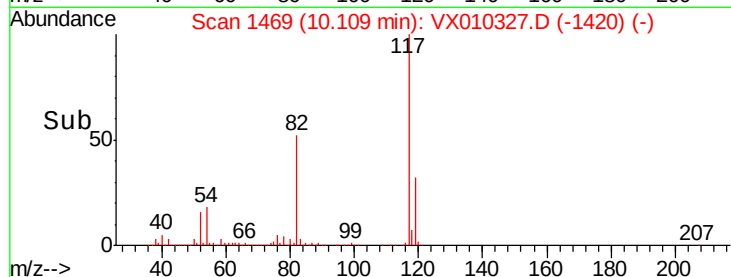
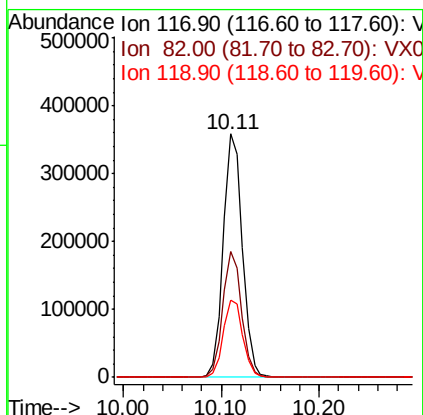
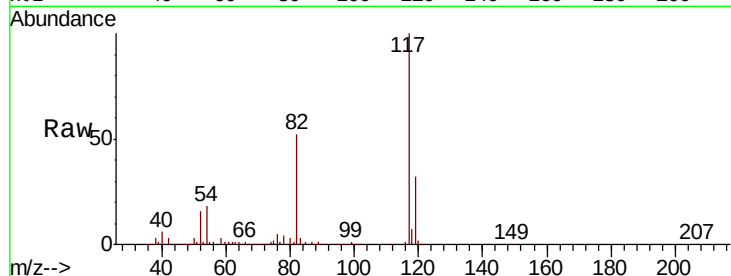




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010327.D
Acq: 17 Jun 2019 16:22

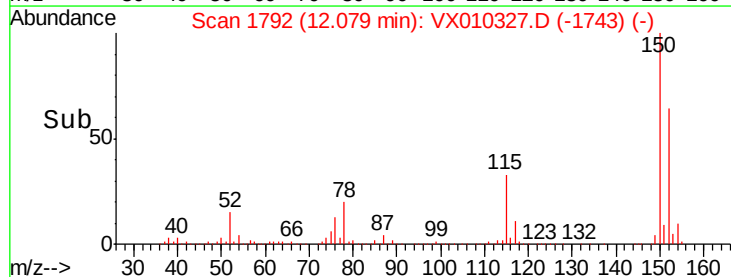
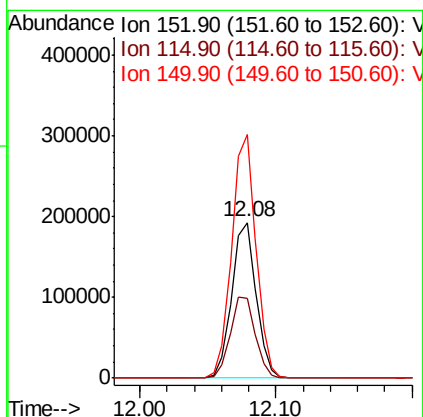
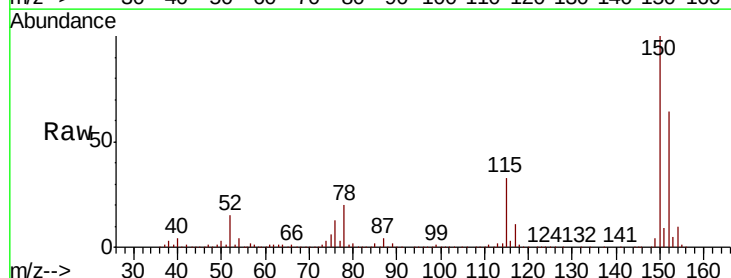
Instrument :
MSVOA_X
ClientSampleId :

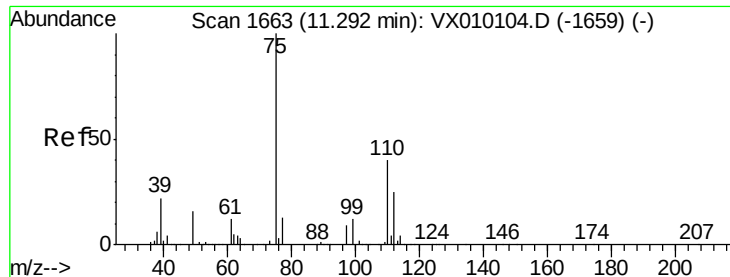
Tot Ion:117 Resp: 486855
Ion Ratio Lower Upper
117 100
82 51.5 49.2 73.8
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010327.D
Acq: 17 Jun 2019 16:22

Tgt Ion:152 Resp: 239066
Ion Ratio Lower Upper
152 100
115 53.5 41.4 124.2
150 156.1 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 21.866 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010327.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_X

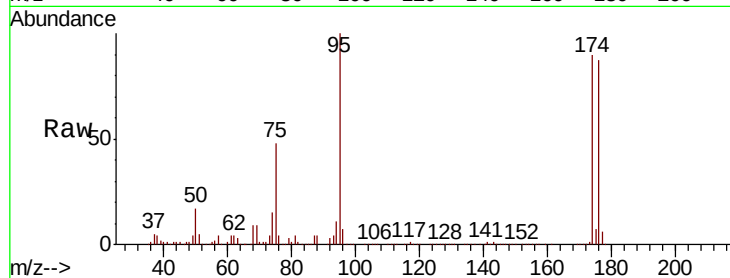
ClientSampled :

Tot Ion: 75 Resp: 104556

Ion Ratio Lower Upper

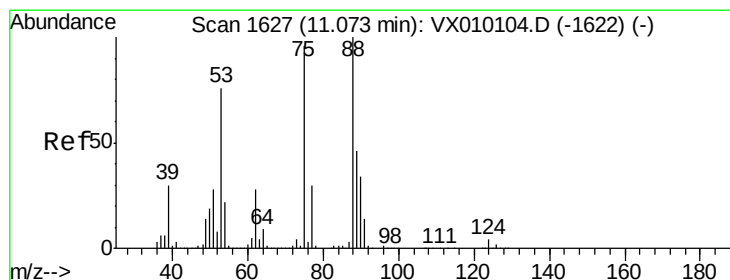
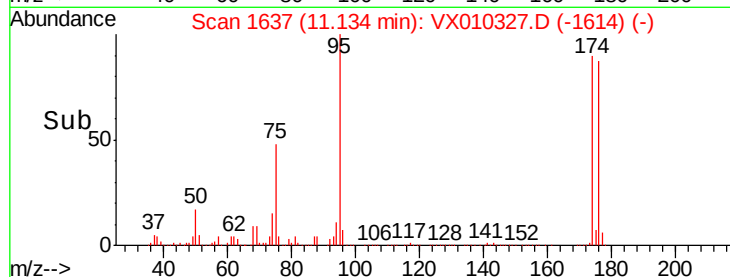
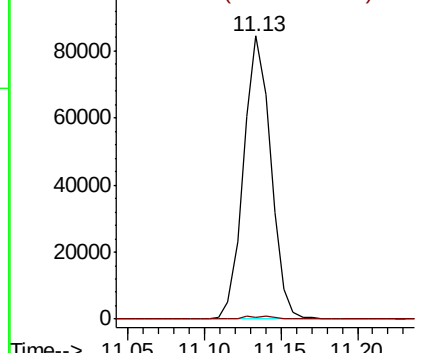
75 100

77 1.4 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: 48.310 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010327.D

Acq: 17 Jun 2019 16:22

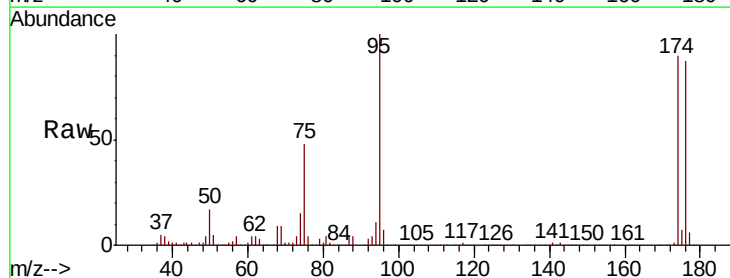
Tgt Ion: 75 Resp: 104556

Ion Ratio Lower Upper

75 100

53 0.8 79.8 119.6#

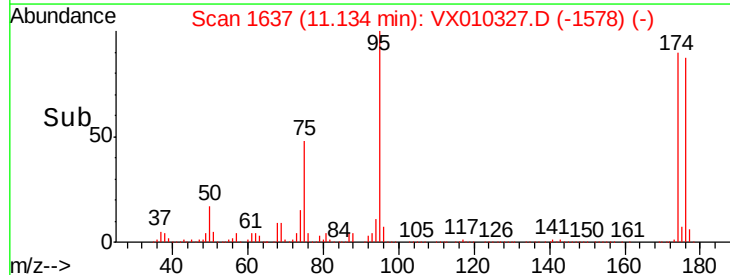
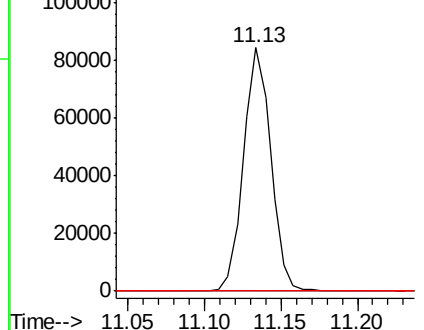
89 0.0 34.2 51.4#

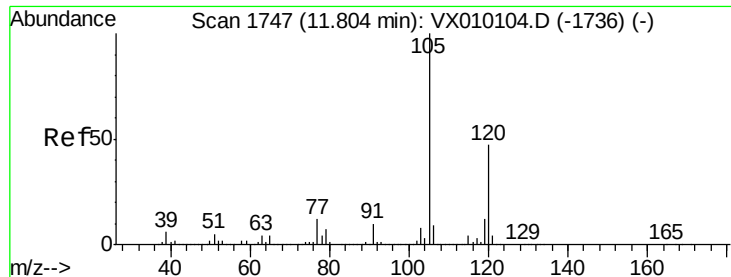


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84
 1,2,4-Trimethylbenzene
 Concen: 0.304 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010327.D
 Acq: 17 Jun 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 4314
 Ion Ratio Lower Upper
 105 100
 120 48.5 22.1 66.1

