

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010071.D
 Acq On : 05 Jun 2019 12:57
 Operator : JC/SP
 Sample : K3190-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:31:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	184798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295351	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119730	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	120651	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
35) Dibromofluoromethane	5.50	113	89170	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	8.71	98	372016	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.13	95	126384	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

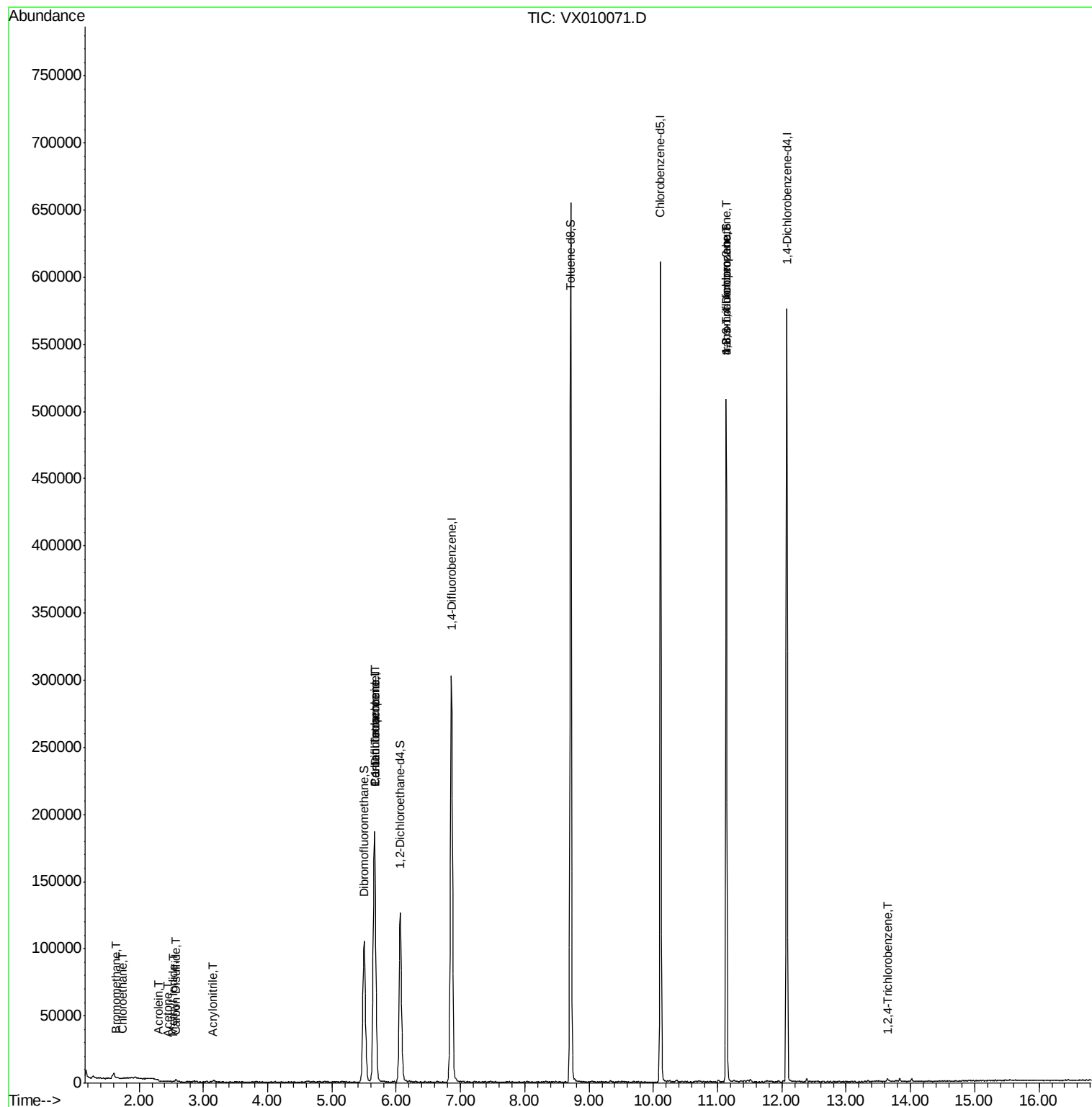
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	448	0.270	ug/l #	74
6) Chloroethane	1.74	64	455	0.270	ug/l #	43
10) Methyl Iodide	2.52	142	530	4.869	ug/l #	82
13) Acrolein	2.30	56	202	21.503	ug/l #	1
15) Acrylonitrile	3.14	53	519	0.335	ug/l	95
16) Acetone	2.44	43	471	0.312	ug/l #	46
17) Carbon Disulfide	2.57	76	1647	0.673	ug/l #	85
36) 1,1-Dichloropropene	5.66	75	14190	4.735	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17276	6.671	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	64988	22.698	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64988	56.159	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	618	0.219	ug/l	94

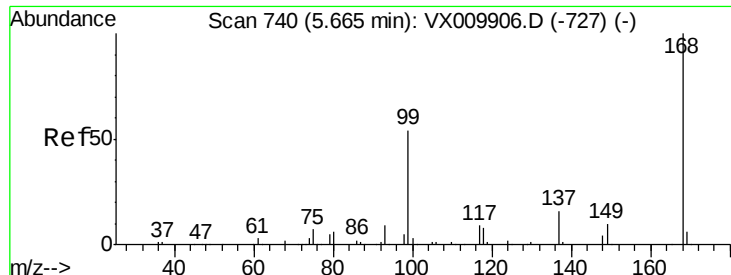
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

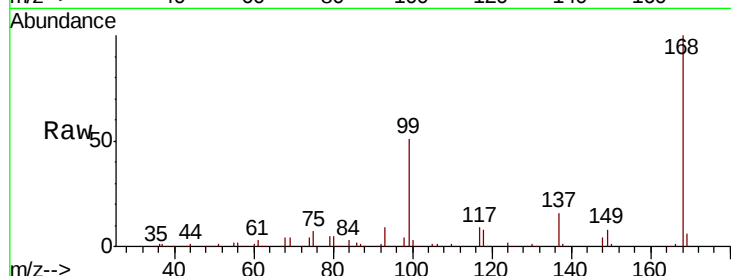
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 184798

Ion Ratio Lower Upper

168 100

99 51.2 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

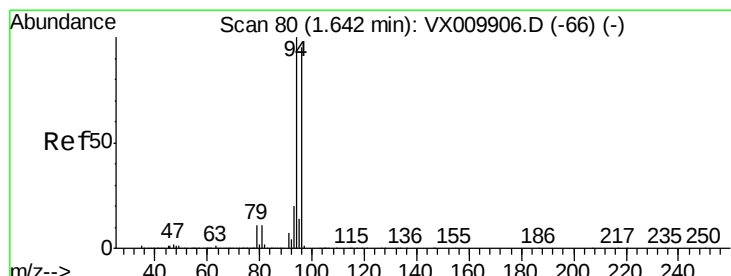
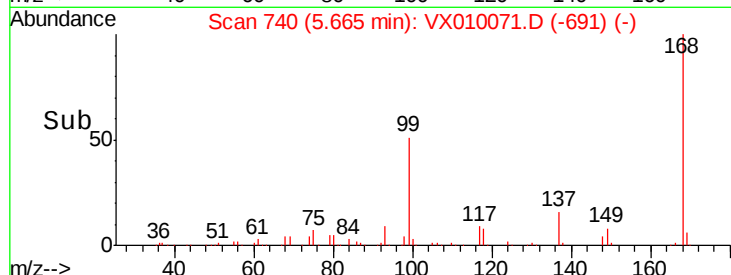
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.270 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010071.D

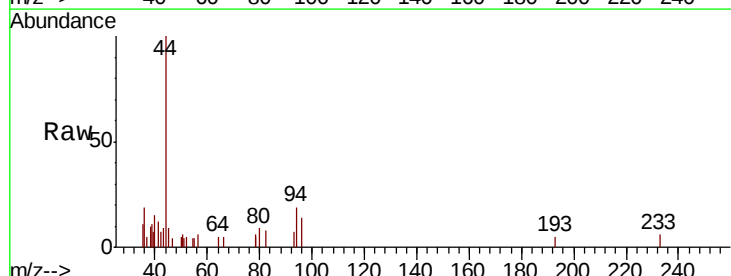
Acq: 05 Jun 2019 12:57

Tgt Ion: 94 Resp: 448

Ion Ratio Lower Upper

94 100

96 69.7 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

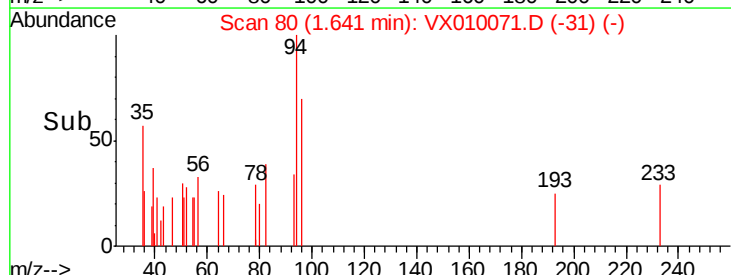
300

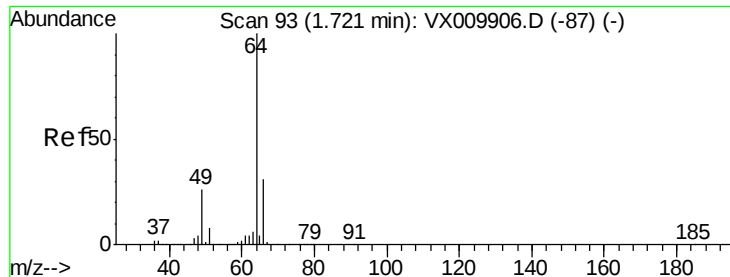
200

100

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.270 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

Instrument :

MSVOA_X

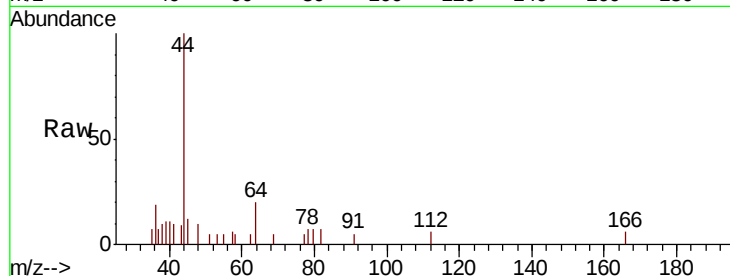
ClientSampled :

Tot Ion: 64 Resp: 455

Ion Ratio Lower Upper

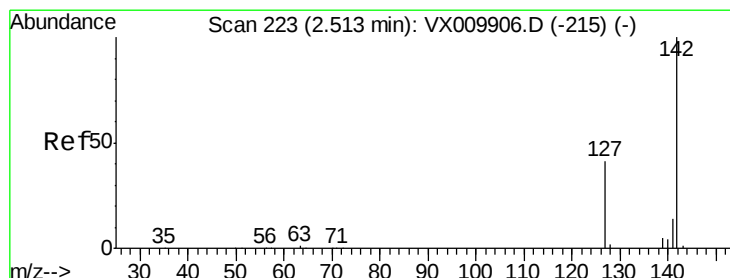
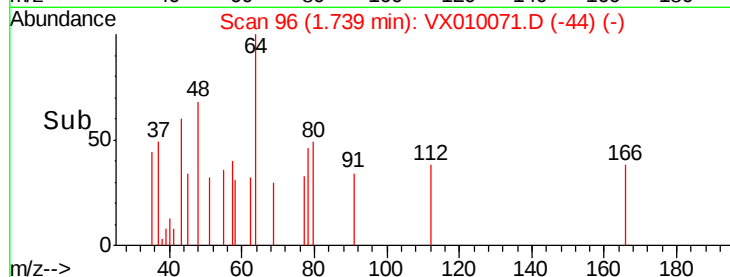
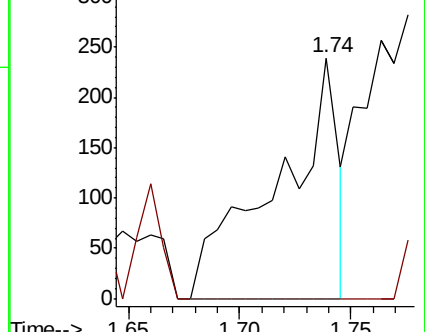
64 100

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



#10

Methyl Iodide

Concen: 4.869 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

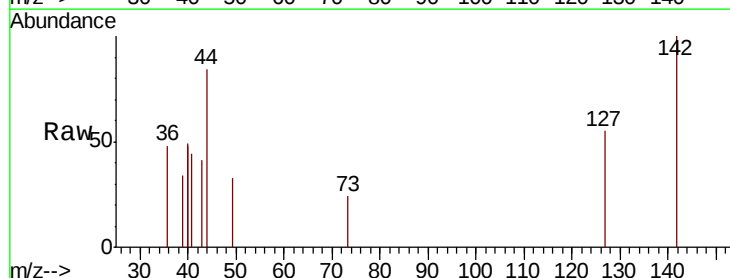
Tgt Ion: 142 Resp: 530

Ion Ratio Lower Upper

142 100

127 31.3 33.0 49.4#

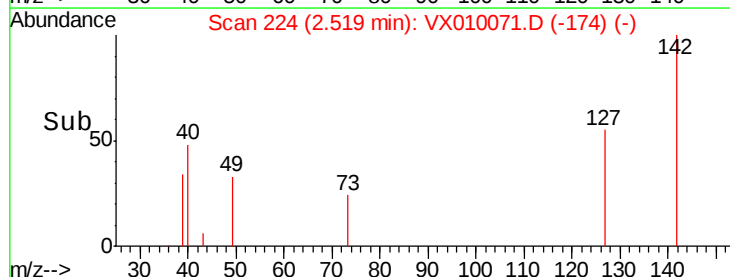
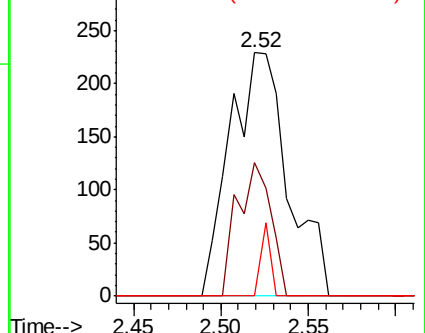
141 4.7 11.4 17.0#

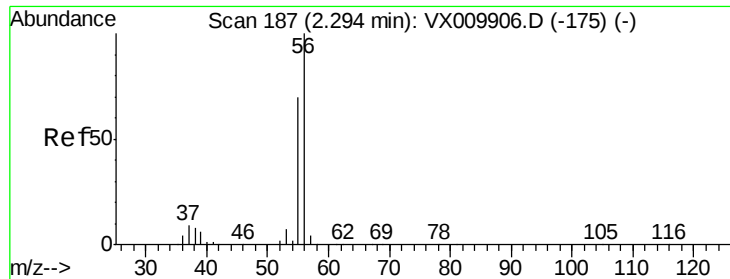


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 21.503 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

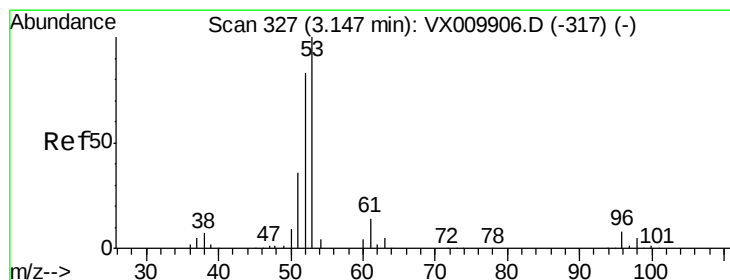
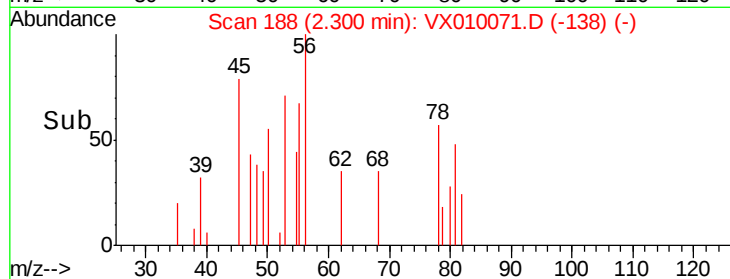
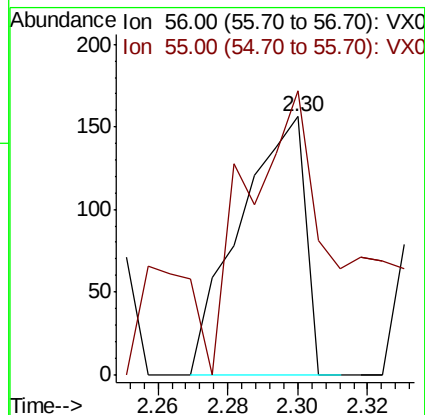
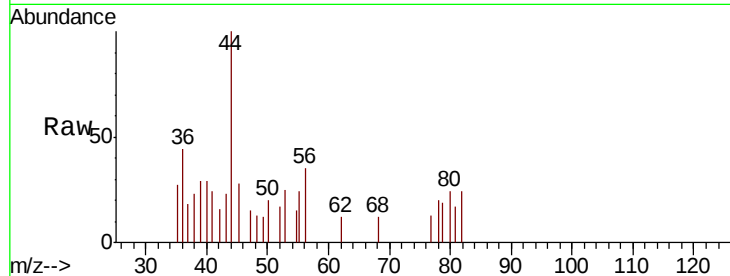
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 202

Ion Ratio Lower Upper

56 100

55 160.4 57.0 85.4#



#15

Acrylonitrile

Concen: 0.335 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

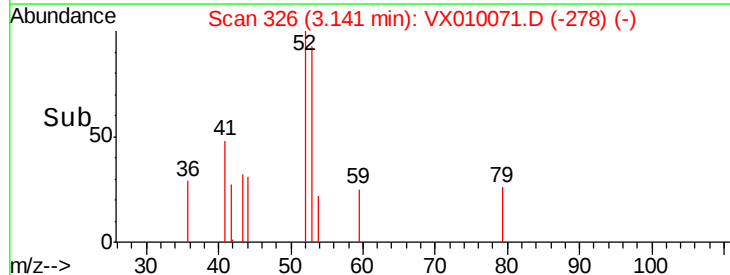
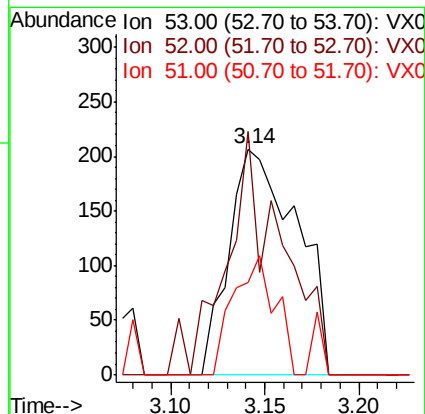
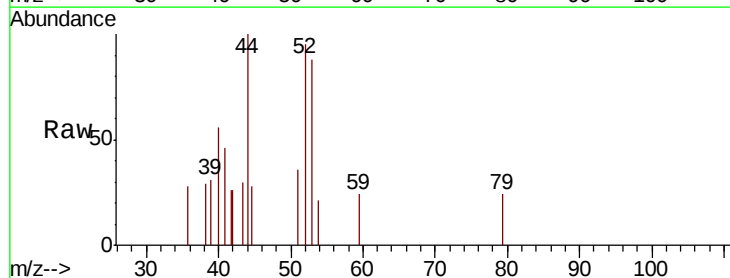
Tgt Ion: 53 Resp: 519

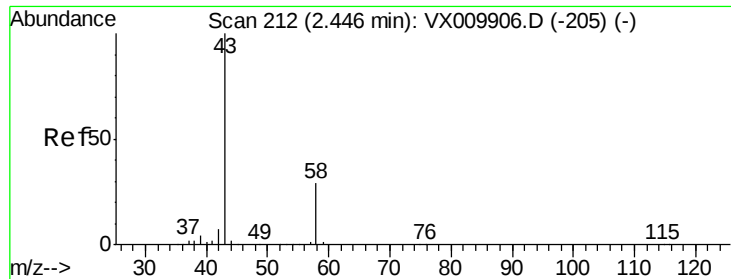
Ion Ratio Lower Upper

53 100

52 87.7 66.7 100.1

51 32.4 28.8 43.2





#16

Acetone

Concen: 0.312 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

Instrument :

MSVOA_X

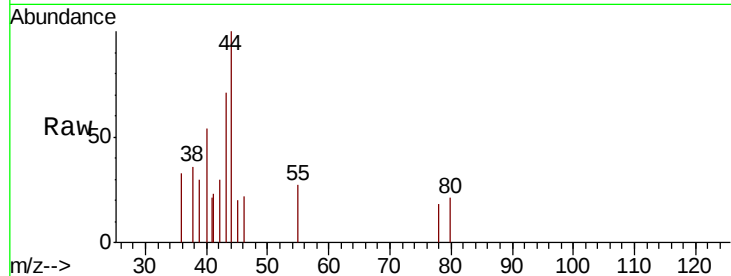
ClientSampled :

Tot Ion: 43 Resp: 471

Ion Ratio Lower Upper

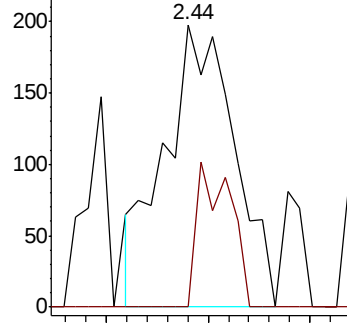
43 100

58 0.0 23.2 34.8#

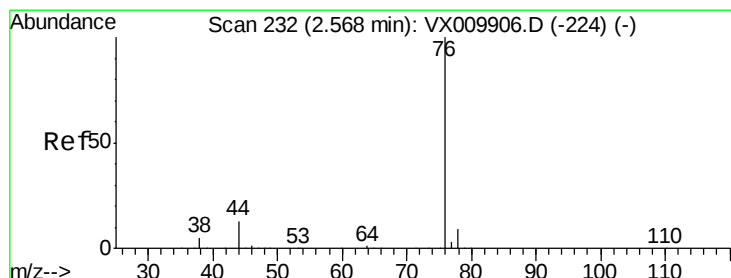
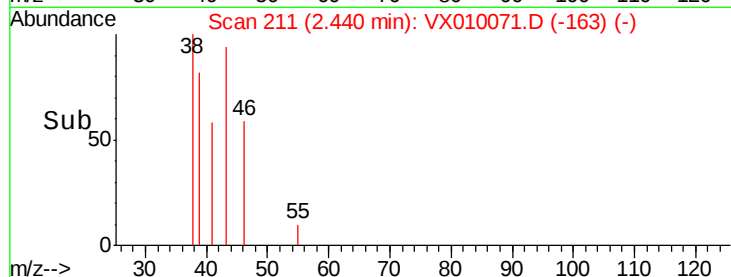


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.673 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010071.D

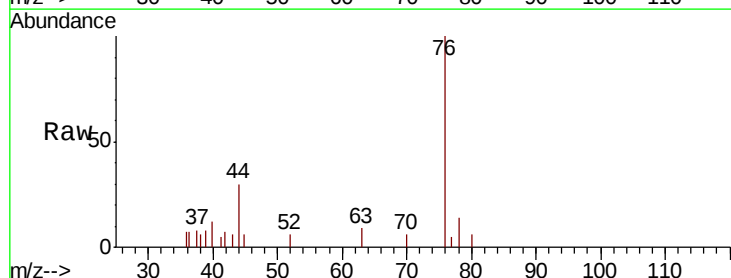
Acq: 05 Jun 2019 12:57

Tgt Ion: 76 Resp: 1647

Ion Ratio Lower Upper

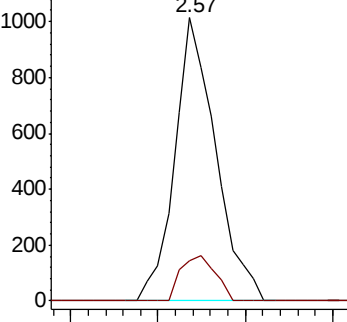
76 100

78 14.2 7.0 10.6#

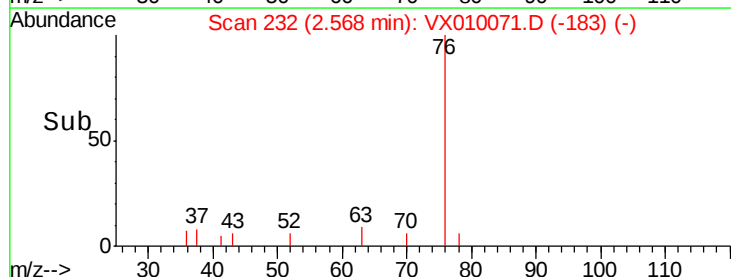


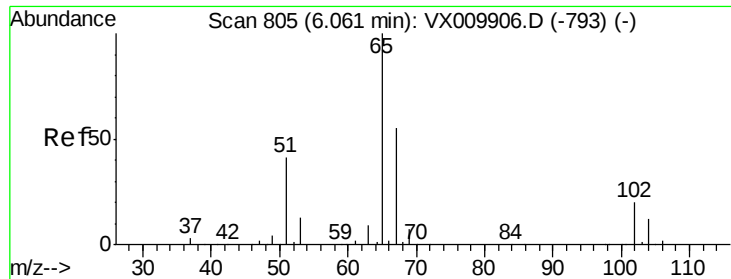
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->

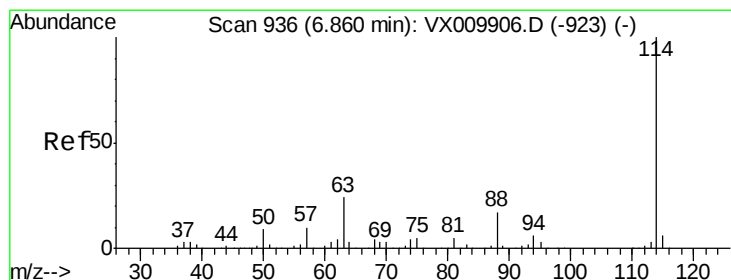
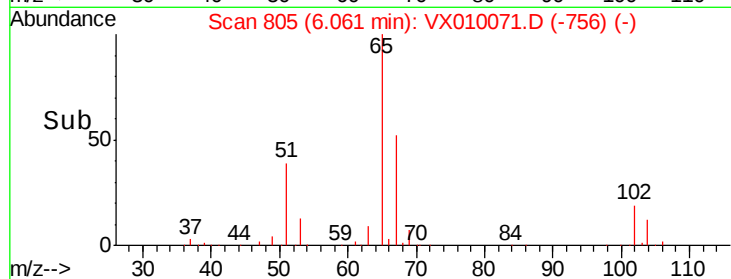
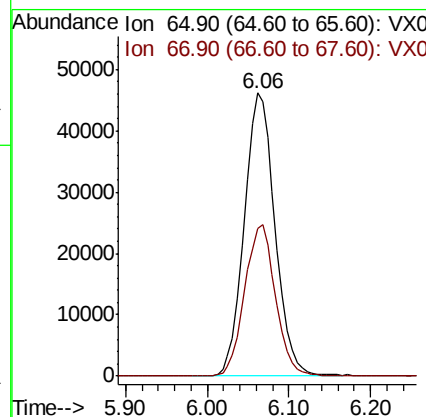
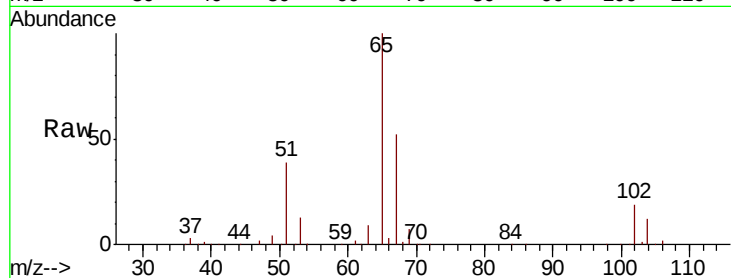




#33
 1,2-Dichloroethane-d4
 Concen: 46.219 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010071.D
 Acq: 05 Jun 2019 12:57

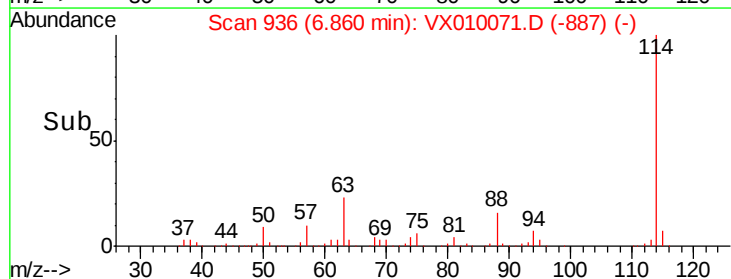
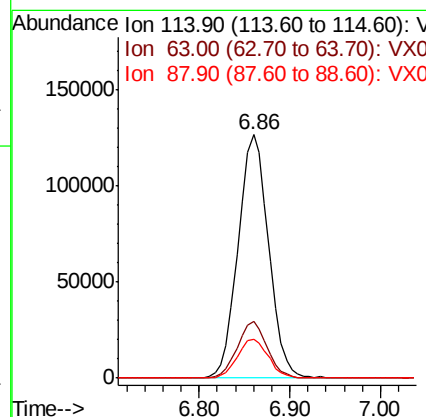
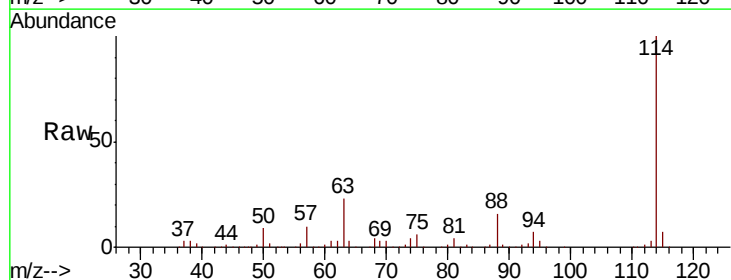
Instrument :
 MSVOA_X
 ClientSampleId :

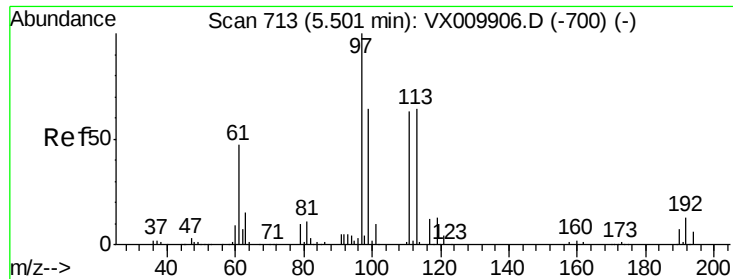
Tot Ion: 65 Resp: 120651
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010071.D
 Acq: 05 Jun 2019 12:57

Tgt Ion: 114 Resp: 295351
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.4
 88 16.0 0.0 33.0

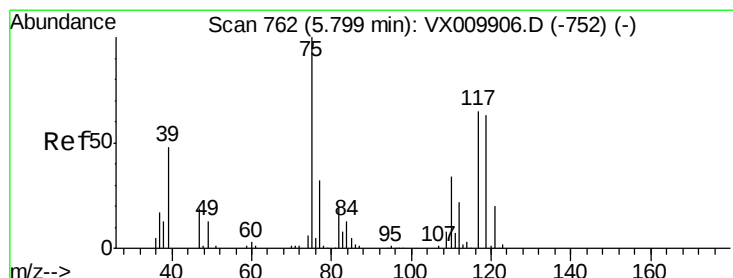
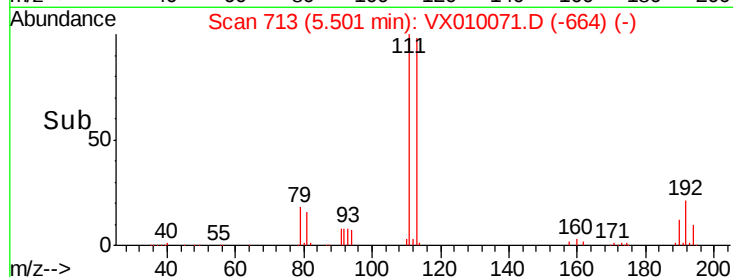
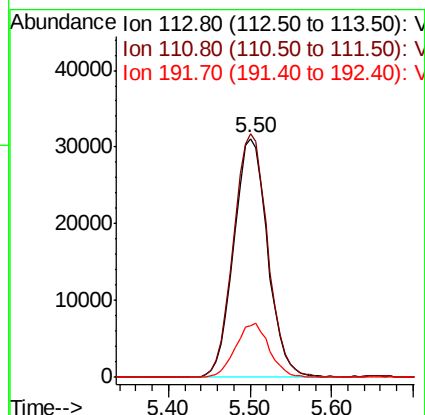
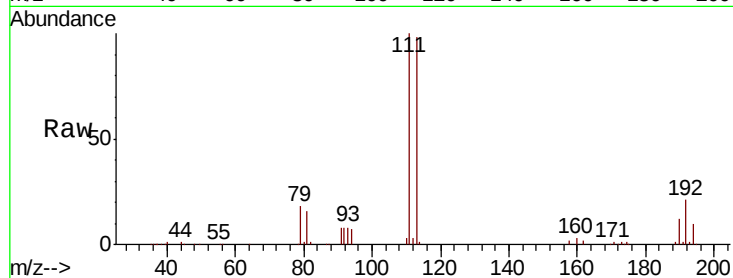




#35
 Dibromofluoromethane
 Concen: 48.021 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010071.D
 Acq: 05 Jun 2019 12:57

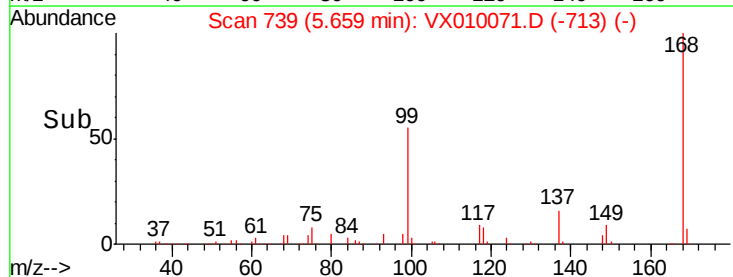
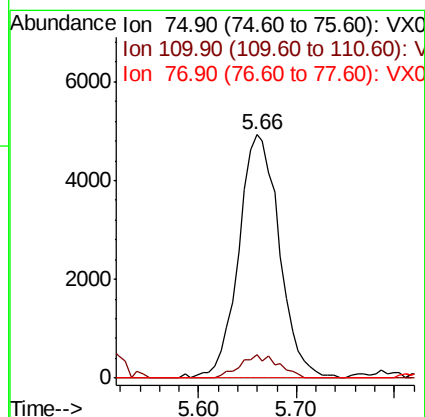
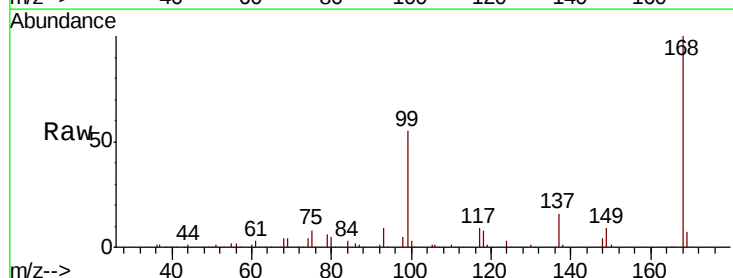
Instrument :
 MSVOA_X
 ClientSampleId :

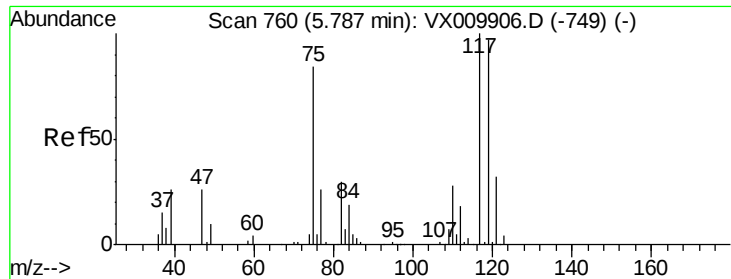
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	22.5	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010071.D
 Acq: 05 Jun 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.7	50.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.671 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

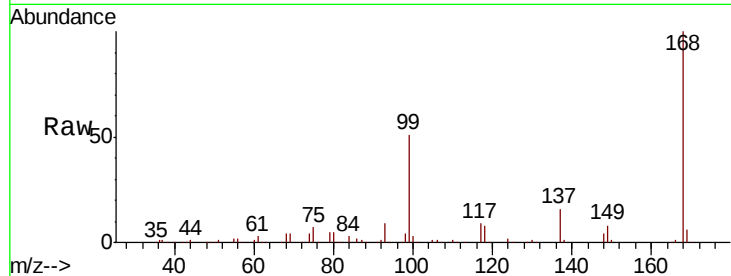
Tot Ion:117 Resp: 17276

Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

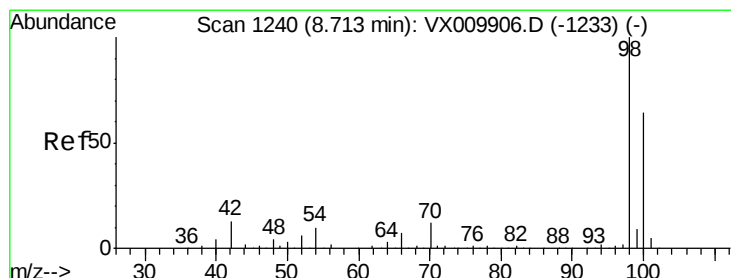
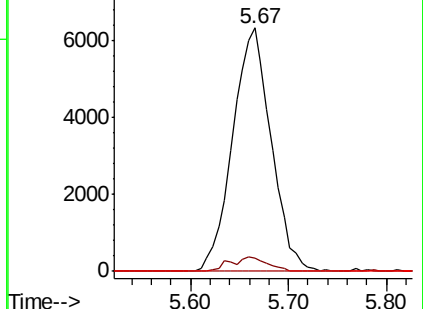
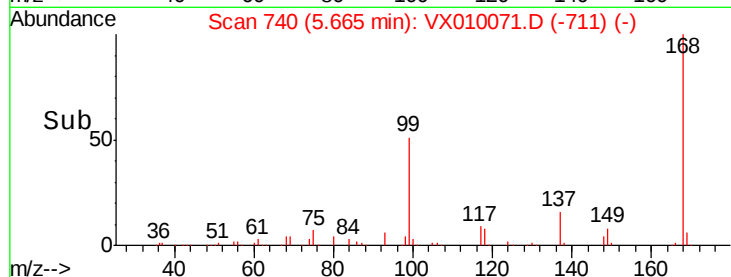
121 0.0 25.4 38.0#



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



#50

Toluene-d8

Concen: 49.337 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010071.D

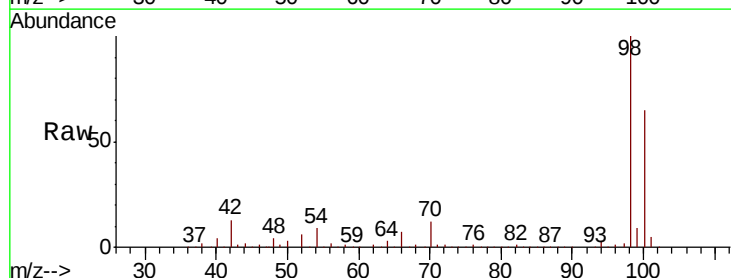
Acq: 05 Jun 2019 12:57

Tgt Ion: 98 Resp: 372016

Ion Ratio Lower Upper

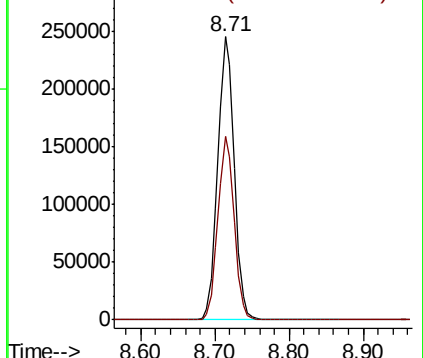
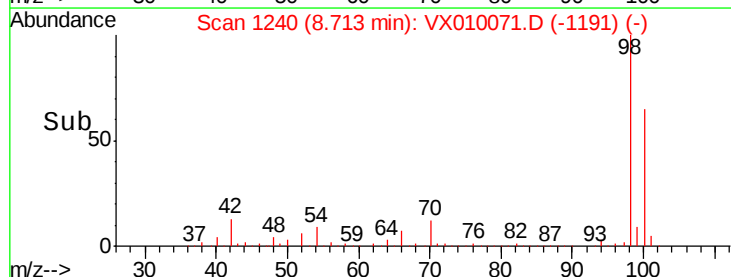
98 100

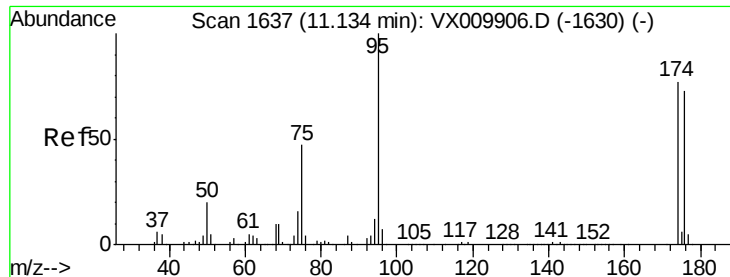
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.664 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

Instrument :

MSVOA_X

ClientSampled :

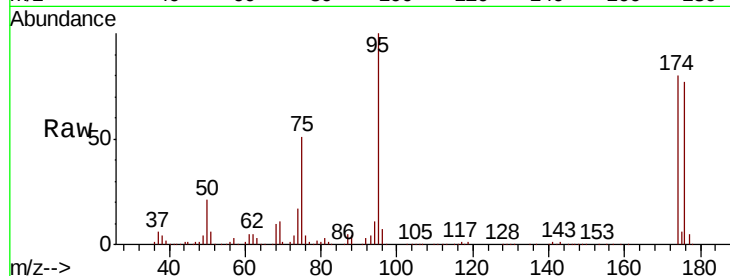
Tot Ion: 95 Resp: 126384

Ion Ratio Lower Upper

95 100

174 84.5 0.0 160.4

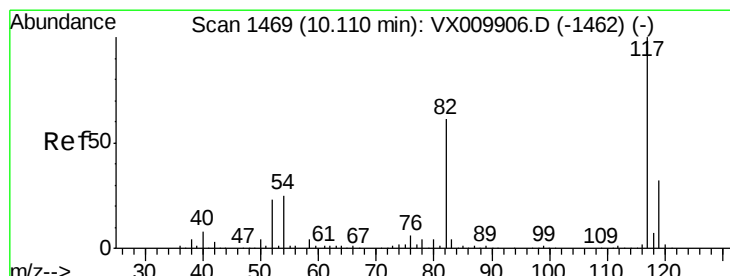
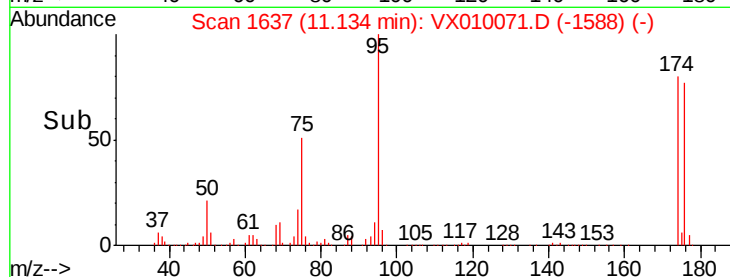
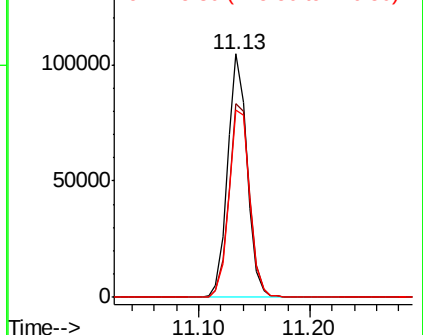
176 81.9 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

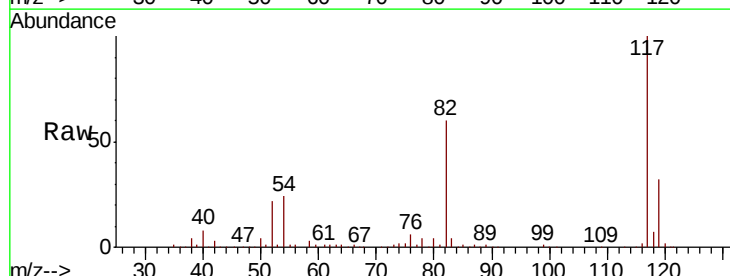
Tgt Ion: 117 Resp: 265484

Ion Ratio Lower Upper

117 100

82 60.2 49.2 73.8

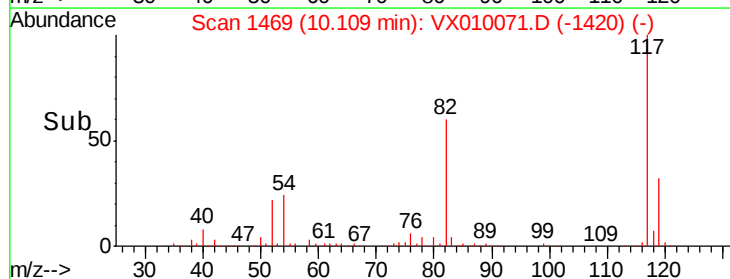
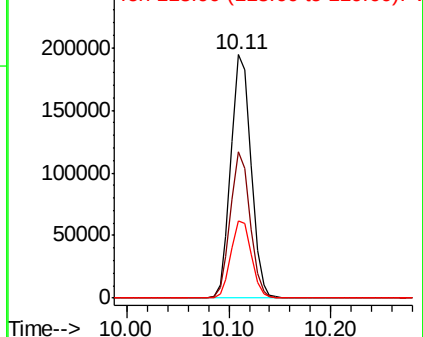
119 31.7 25.2 37.8

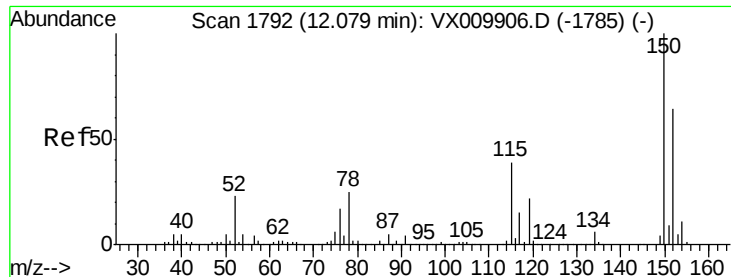


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

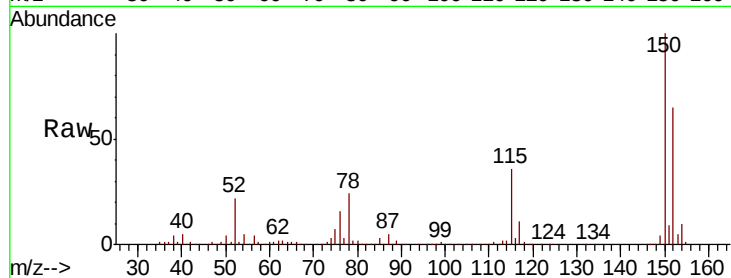
Tot Ion:152 Resp: 119730

Ion Ratio Lower Upper

152 100

115 58.2 41.4 124.2

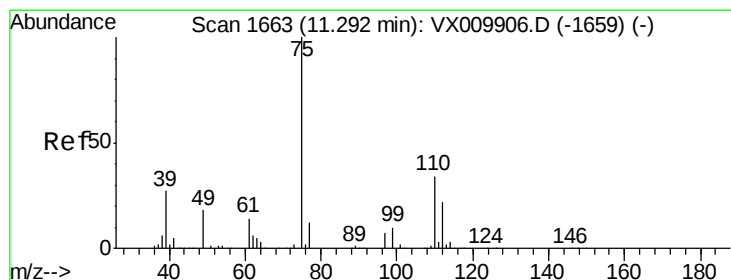
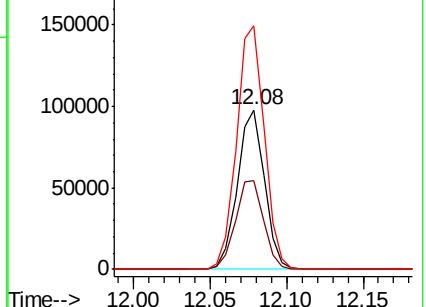
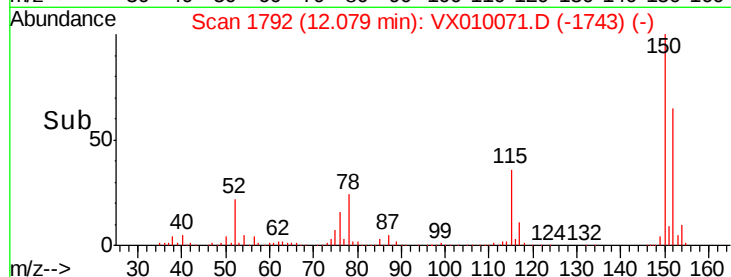
150 156.6 0.0 345.2



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: 22.698 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010071.D

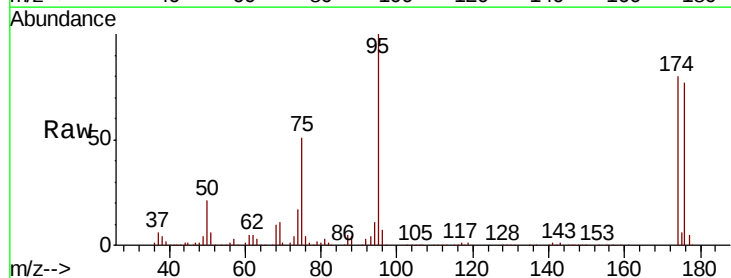
Acq: 05 Jun 2019 12:57

Tgt Ion: 75 Resp: 64988

Ion Ratio Lower Upper

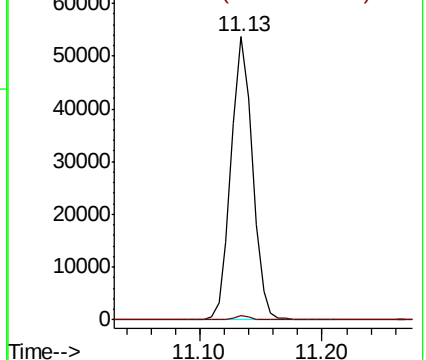
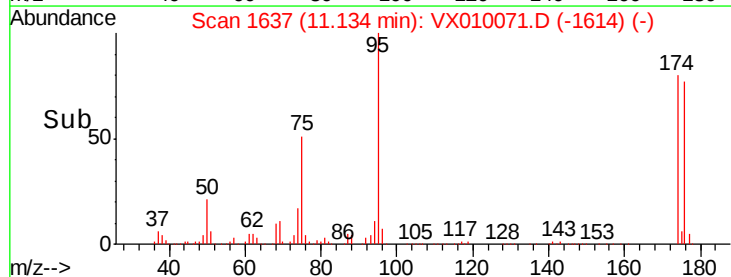
75 100

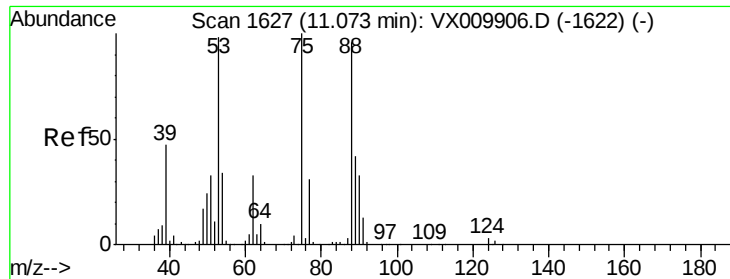
77 1.3 22.1 66.1#



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: 56.159 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

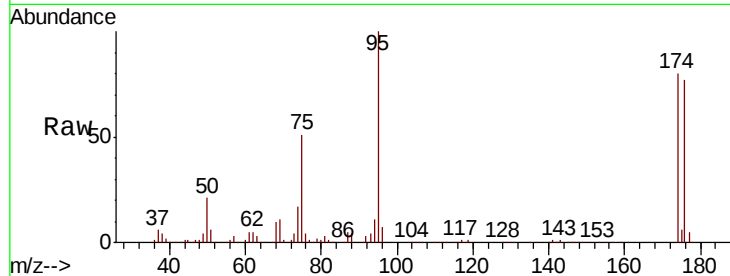
Tot Ion: 75 Resp: 64988

Ion Ratio Lower Upper

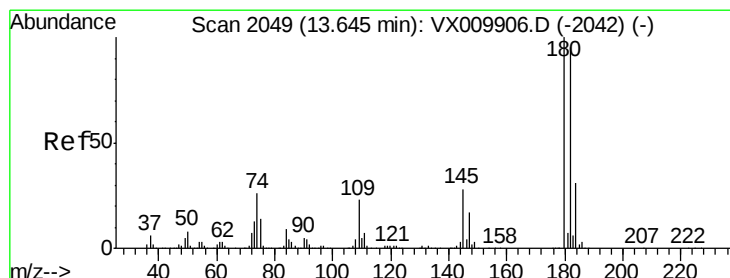
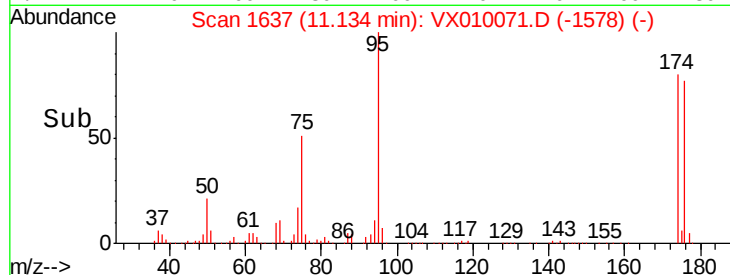
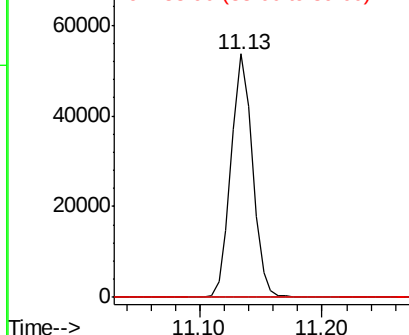
75 100

53 0.0 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



#93

1,2,4-Trichlorobenzene

Concen: 0.219 ug/l

RT: 13.65 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VX010071.D

Acq: 05 Jun 2019 12:57

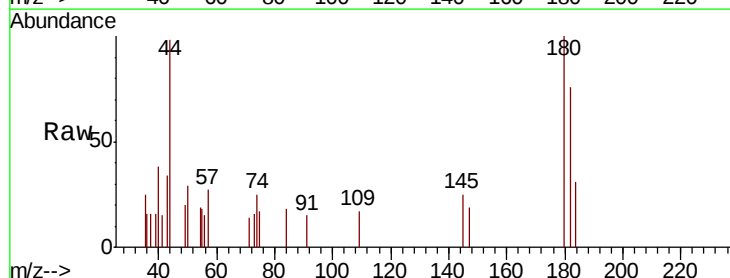
Tgt Ion:180 Resp: 618

Ion Ratio Lower Upper

180 100

182 91.7 47.4 142.2

145 20.9 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

