

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\
 Data File : VX010026.D
 Acq On : 03 Jun 2019 11:10
 Operator : JC/SP
 Sample : VX0603WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 03:38:20 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	5.66	168	164939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	261870	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	116041	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	5.49	113	87239	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	8.71	98	353701	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	11.13	95	116411	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

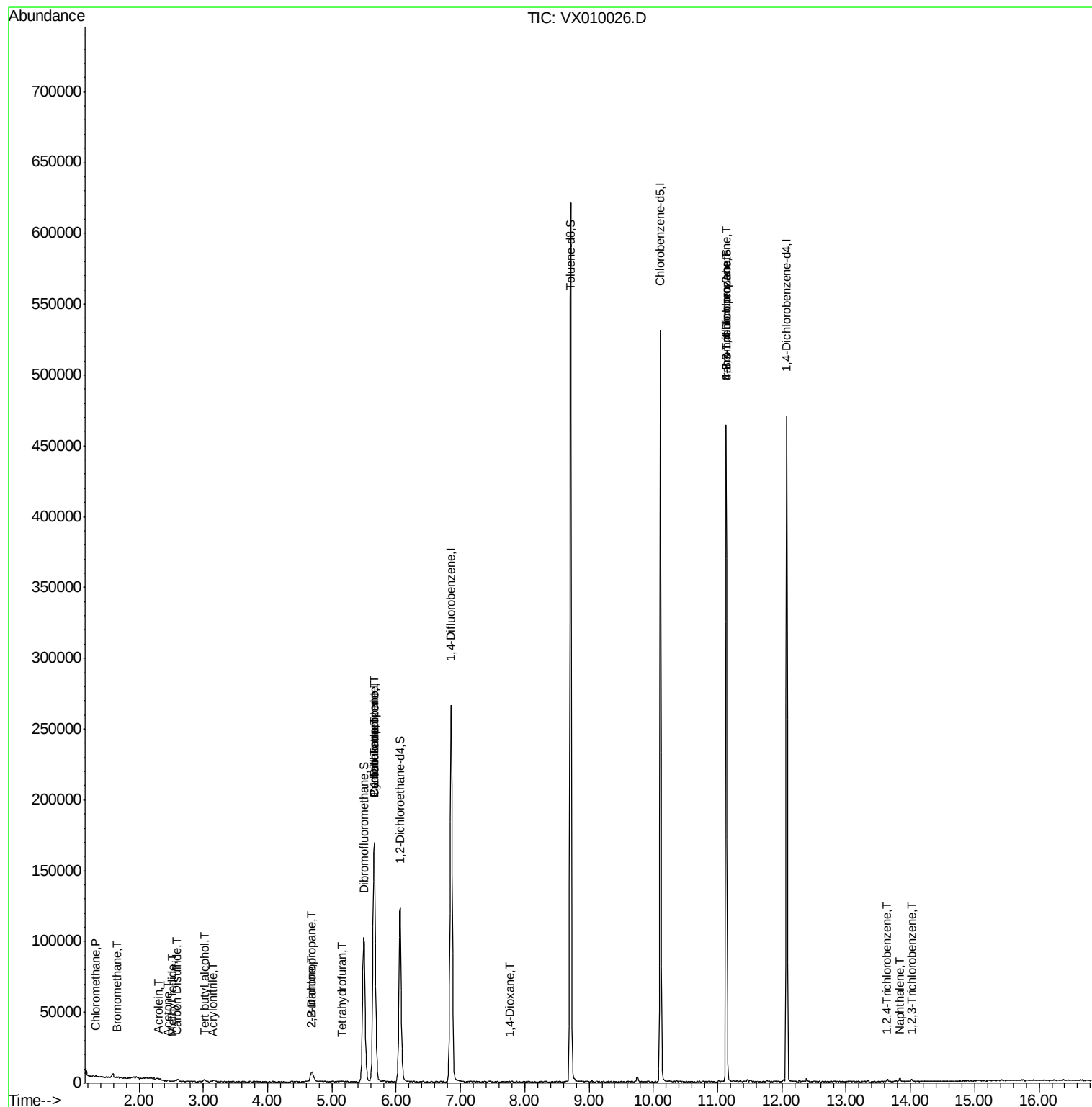
					Qvalue	
3) Chloromethane	1.33	50	861	0.318	ug/l	95
5) Bromomethane	1.66	94	633	0.428	ug/l #	69
10) Methyl Iodide	2.52	142	399	4.836	ug/l #	91
11) Tert butyl alcohol	3.02	59	816	1.423	ug/l #	73
13) Acrolein	2.30	56	344	21.872	ug/l #	56
15) Acrylonitrile	3.15	53	460	0.333	ug/l #	75
16) Acetone	2.45	43	792	0.588	ug/l #	78
17) Carbon Disulfide	2.57	76	1539	0.687	ug/l #	69
25) 2-Butanone	4.68	43	457	0.218	ug/l #	49
26) 2,2-Dichloropropane	4.68	77	786	0.278	ug/l #	53
29) Tetrahydrofuran	5.15	42	635	0.472	ug/l #	46
31) Cyclohexane	5.65	56	3996	1.127	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12645	4.759	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15062	6.560	ug/l #	17
49) 1,4-Dioxane	7.77	88	31	0.564	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	58815	25.170	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58815	62.275	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	559	0.243	ug/l	89
95) Naphthalene	13.83	128	1455	0.203	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	541	0.235	ug/l	91

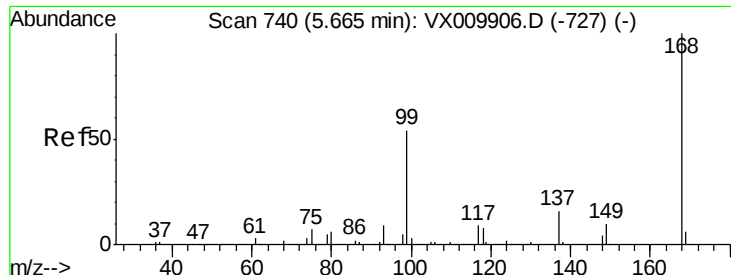
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060319\
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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ClientSampleId :

Quant Time: Jun 04 03:38:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

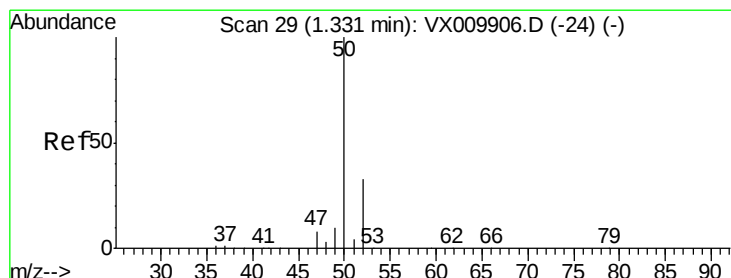
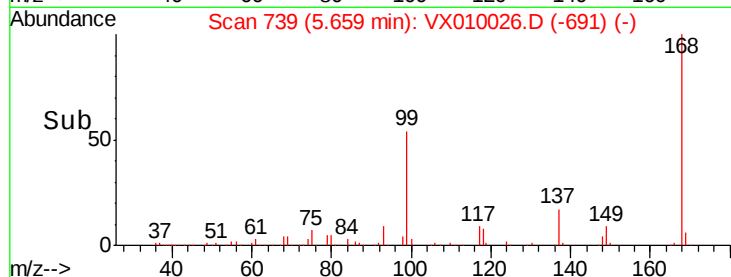
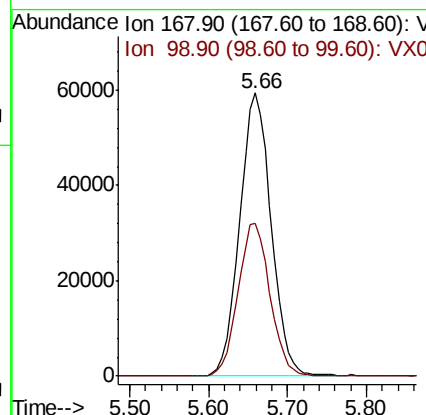
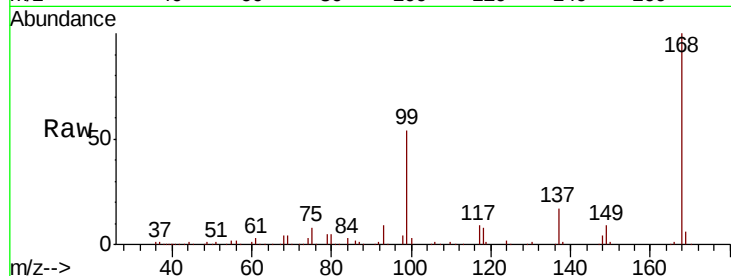




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX010026.D
Acq: 03 Jun 2019 11:10

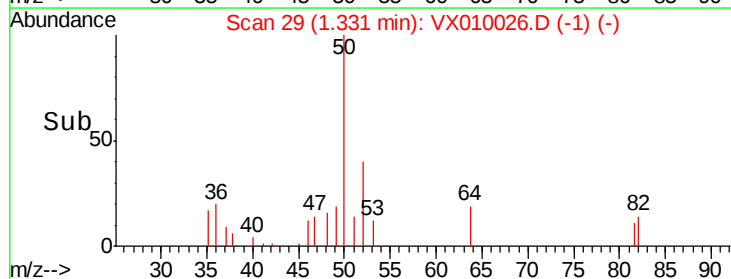
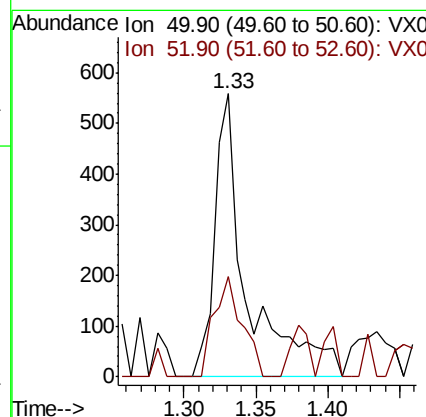
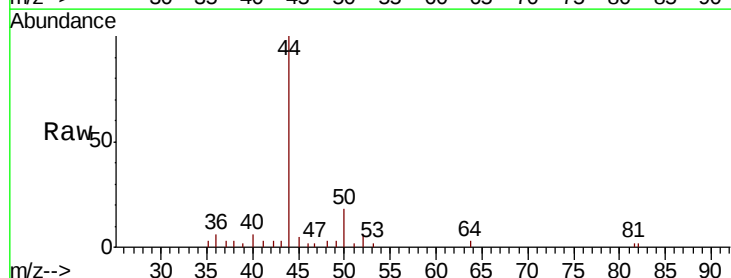
Instrument :
MSVOA_X
ClientSampleId :

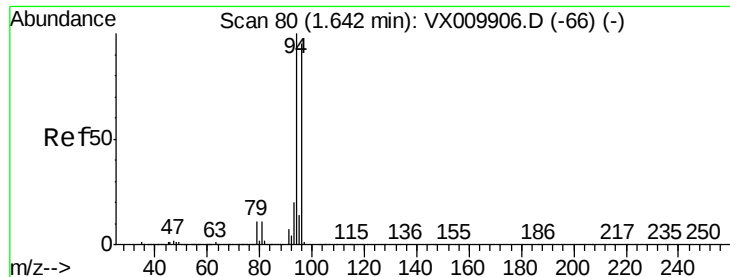
Tot Ion:168 Resp: 164939
Ion Ratio Lower Upper
168 100
99 53.9 43.0 64.6



#3
Chloromethane
Concen: 0.318 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX010026.D
Acq: 03 Jun 2019 11:10

Tgt Ion: 50 Resp: 861
Ion Ratio Lower Upper
50 100
52 35.5 26.0 39.0





#5

Bromomethane

Concen: 0.428 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010026.D

Acq: 03 Jun 2019 11:10

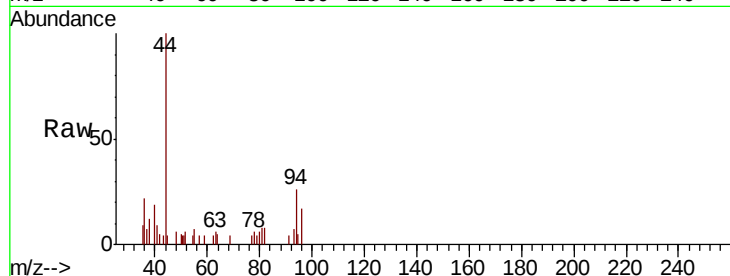
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 633

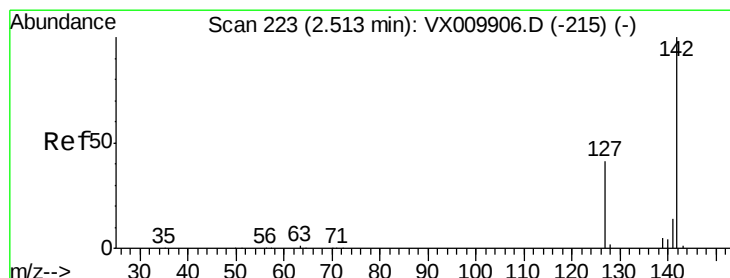
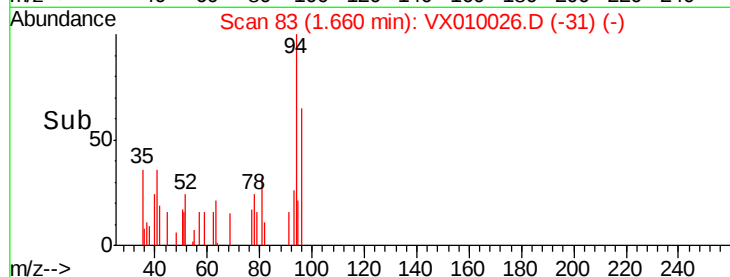
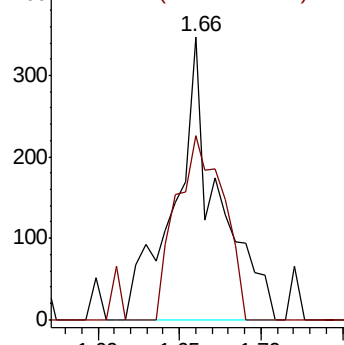
Ion Ratio Lower Upper

94 100

96 64.9 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.836 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010026.D

Acq: 03 Jun 2019 11:10

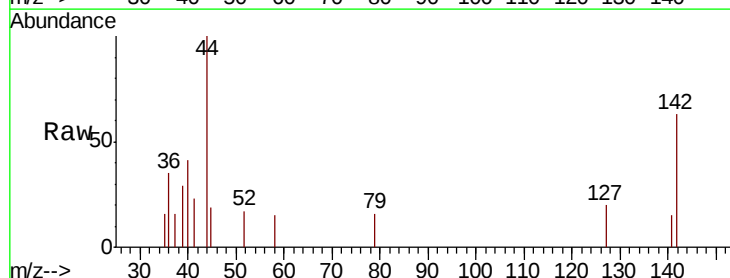
Tgt Ion: 142 Resp: 399

Ion Ratio Lower Upper

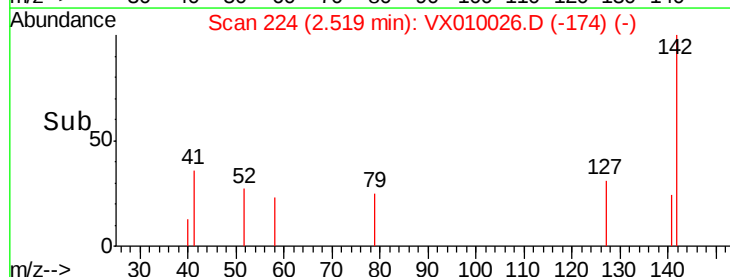
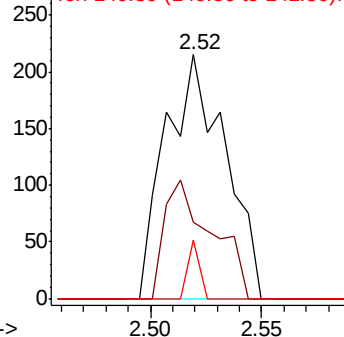
142 100

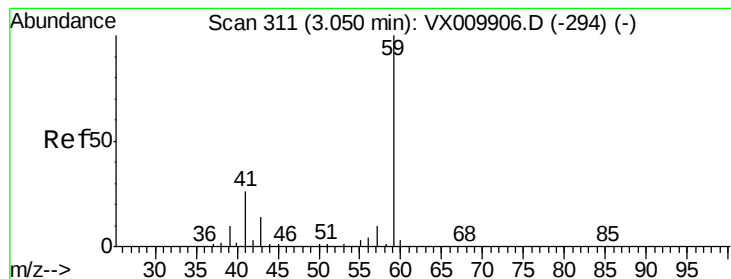
127 38.8 33.0 49.4

141 4.8 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



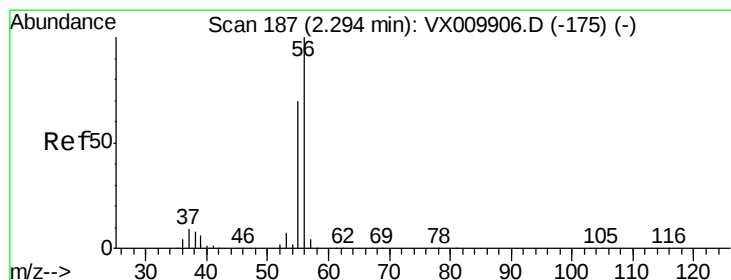
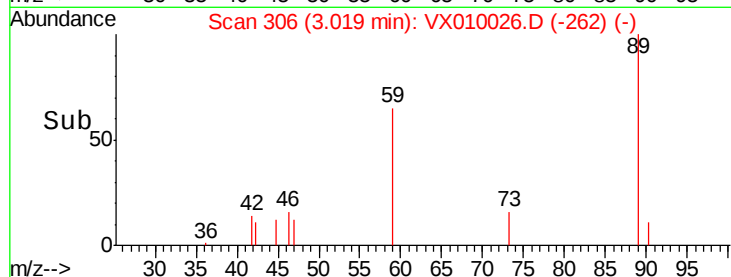
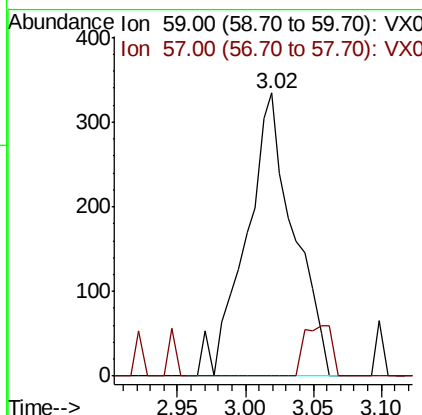
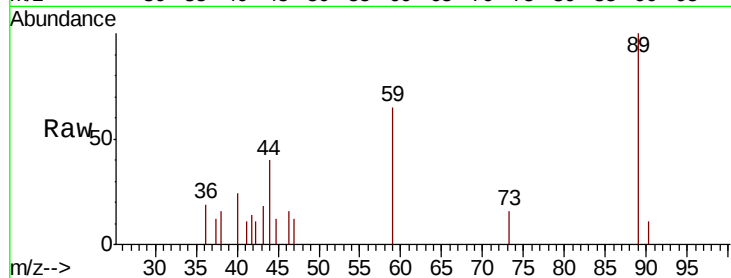


#11

Tert butyl alcohol
 Concen: 1.423 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010026.D
 Acq: 03 Jun 2019 11:10

Instrument :
 MSVOA_X
 ClientSampled :

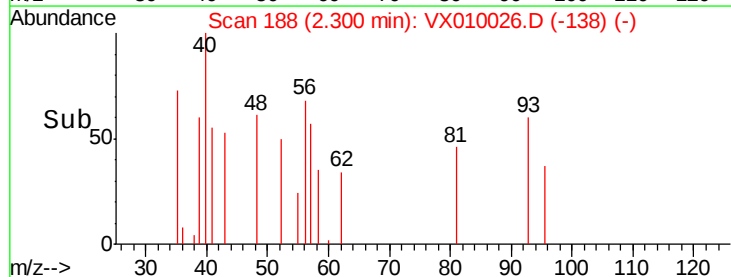
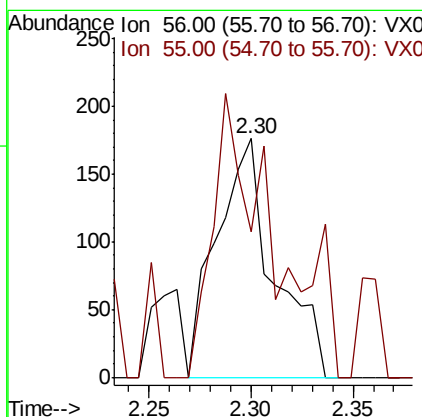
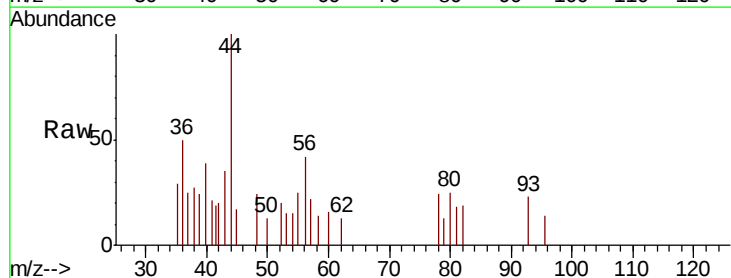
Tot Ion: 59 Resp: 816
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

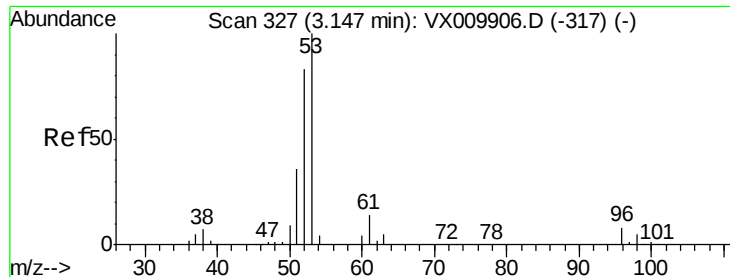


#13

Acrolein
 Concen: 21.872 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX010026.D
 Acq: 03 Jun 2019 11:10

Tgt Ion: 56 Resp: 344
 Ion Ratio Lower Upper
 56 100
 55 107.6 57.0 85.4#





#15

Acrylonitrile

Concen: 0.333 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX010026.D

Acq: 03 Jun 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

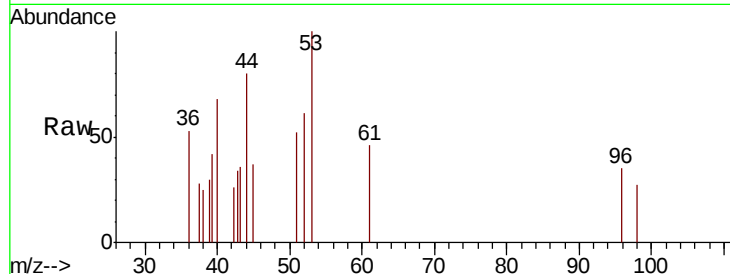
Tot Ion: 53 Resp: 460

Ion Ratio Lower Upper

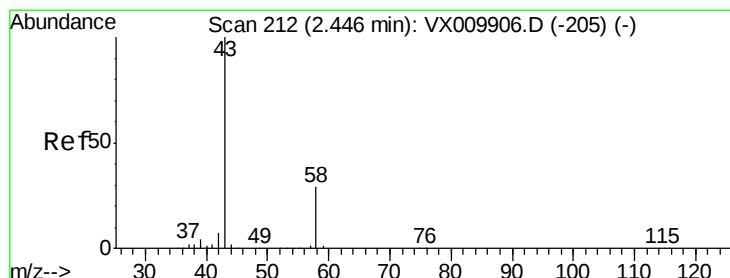
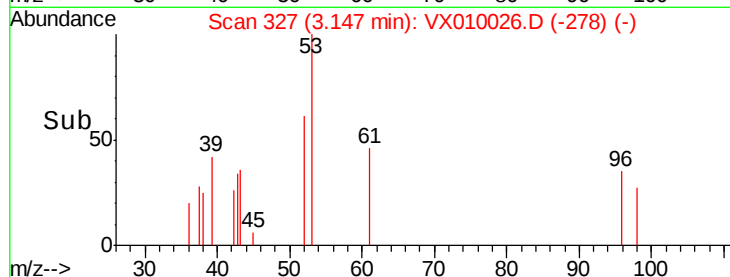
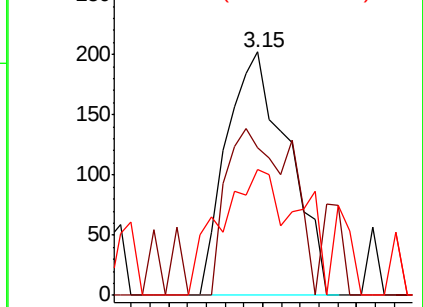
53 100

52 71.1 66.7 100.1

51 66.1 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.588 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010026.D

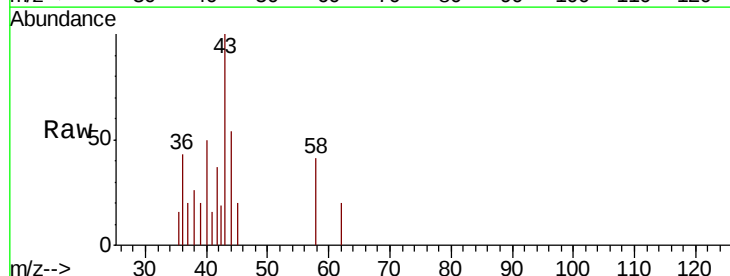
Acq: 03 Jun 2019 11:10

Tgt Ion: 43 Resp: 792

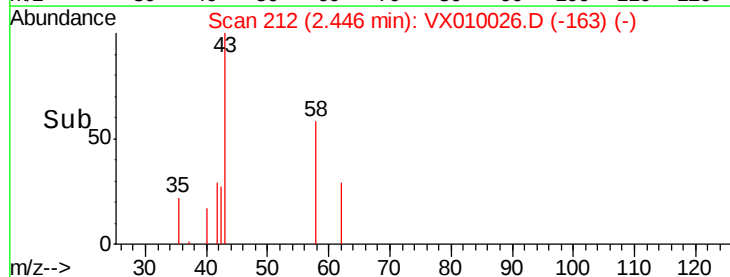
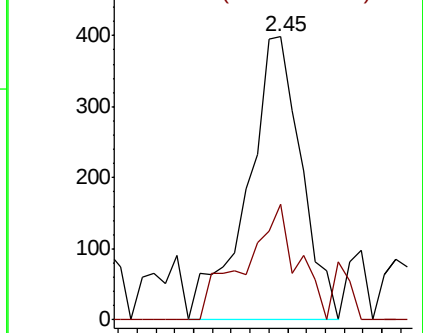
Ion Ratio Lower Upper

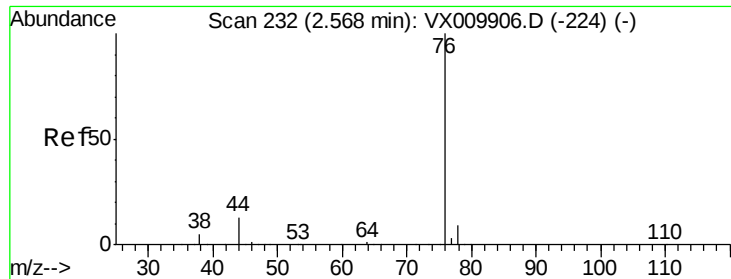
43 100

58 41.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.687 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010026.D

Acq: 03 Jun 2019 11:10

Instrument :

MSVOA_X

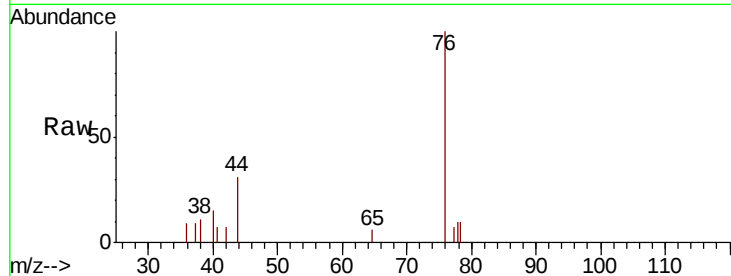
ClientSampled :

Tot Ion: 76 Resp: 1539

Ion Ratio Lower Upper

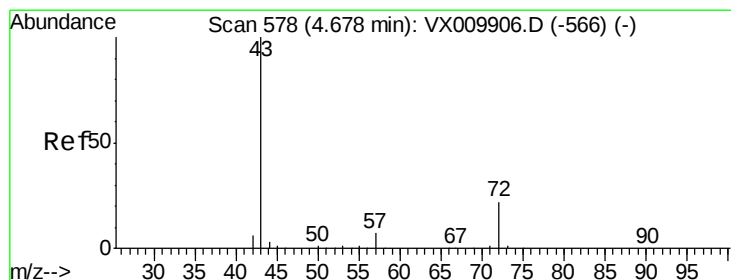
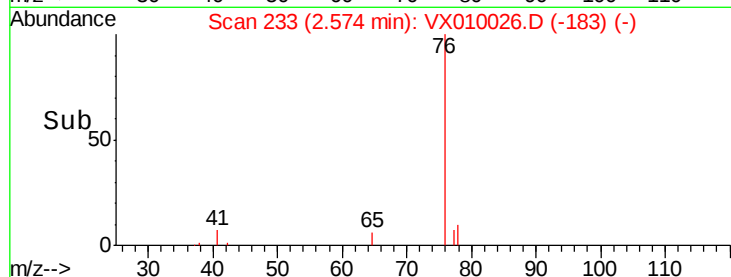
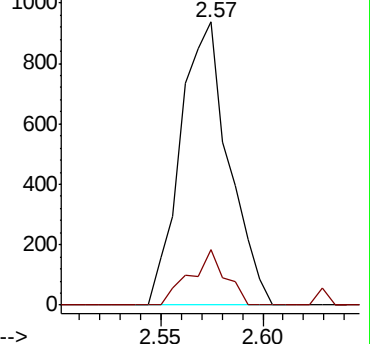
76 100

78 19.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.218 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010026.D

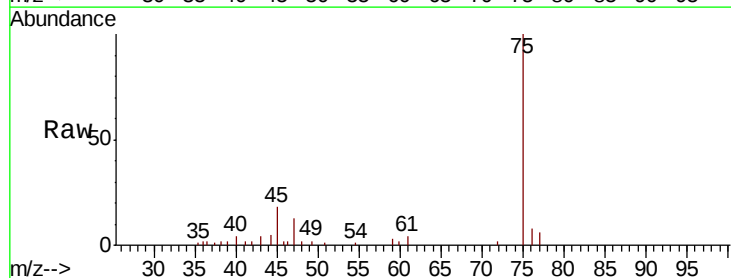
Acq: 03 Jun 2019 11:10

Tgt Ion: 43 Resp: 457

Ion Ratio Lower Upper

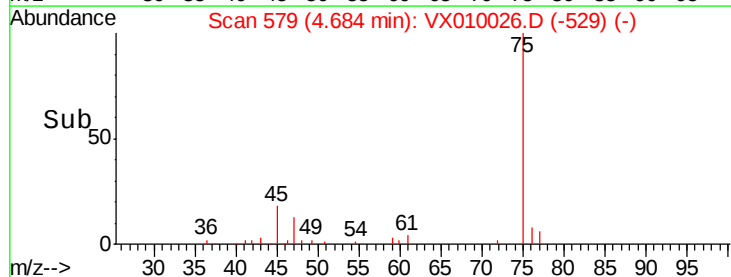
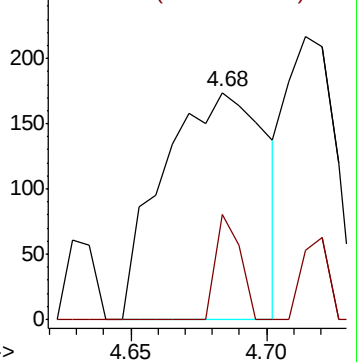
43 100

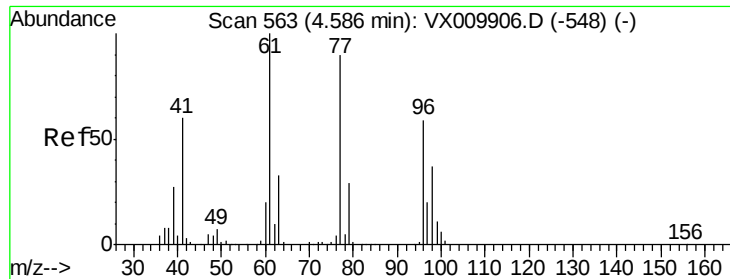
72 46.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

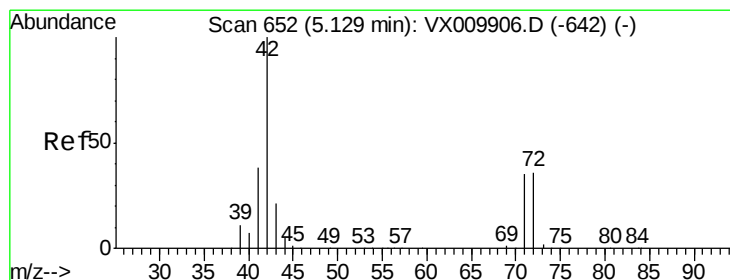
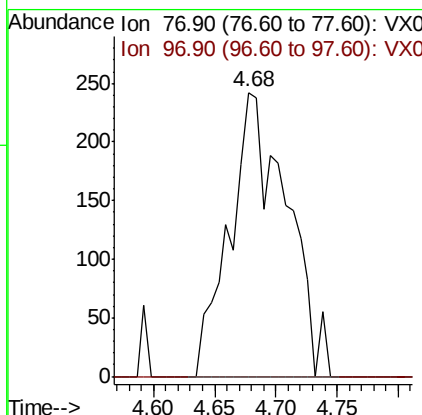
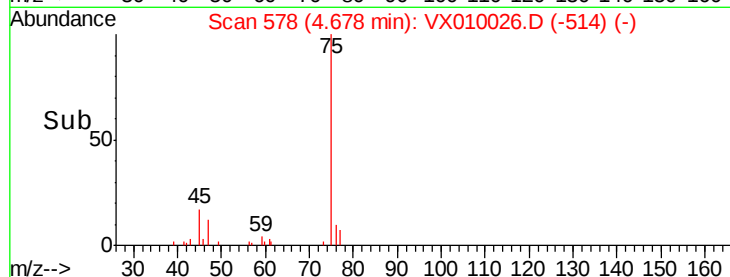
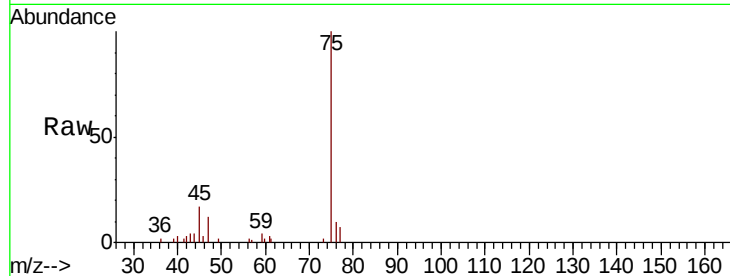




#26
 2,2-Dichloropropane
 Concen: 0.278 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.09 min
 Lab File: VX010026.D
 Acq: 03 Jun 2019 11:10

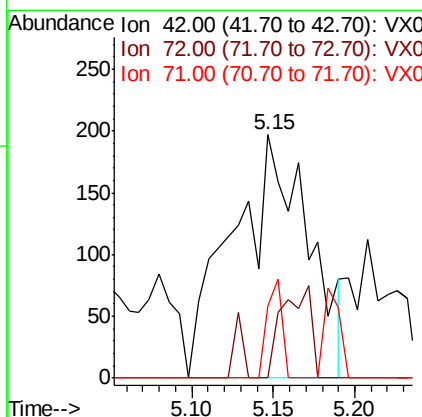
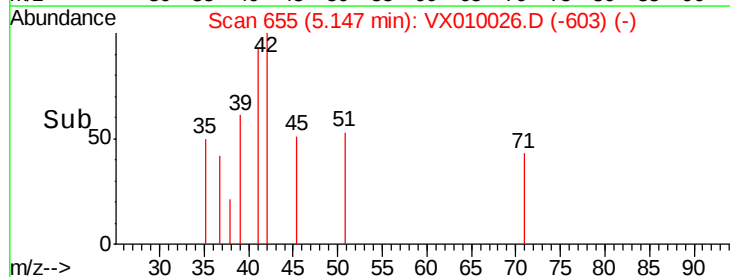
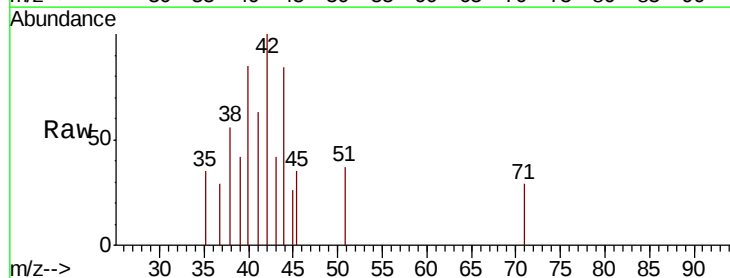
Instrument :
 MSVOA_X
 ClientSampled :

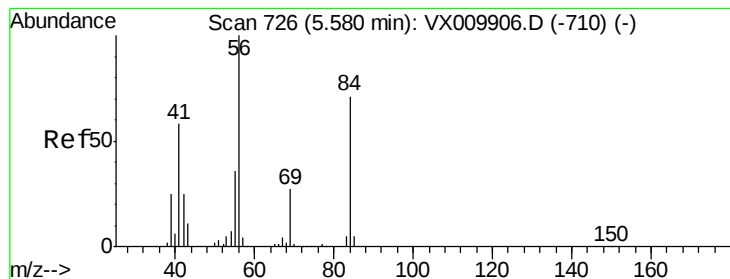
Tot Ion: 77 Resp: 786
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#



#29
 Tetrahydrofuran
 Concen: 0.472 ug/l
 RT: 5.15 min Scan# 655
 Delta R.T. 0.02 min
 Lab File: VX010026.D
 Acq: 03 Jun 2019 11:10

Tgt Ion: 42 Resp: 635
 Ion Ratio Lower Upper
 42 100
 72 0.0 29.2 43.8#
 71 7.9 27.6 41.4#





#31

Cyclohexane

Concen: 1.127 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX010026.D

Acq: 03 Jun 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

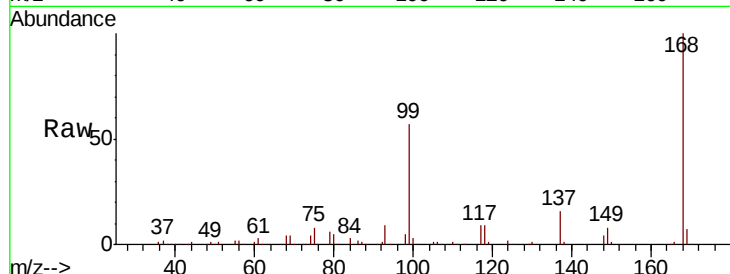
Tot Ion: 56 Resp: 3996

Ion Ratio Lower Upper

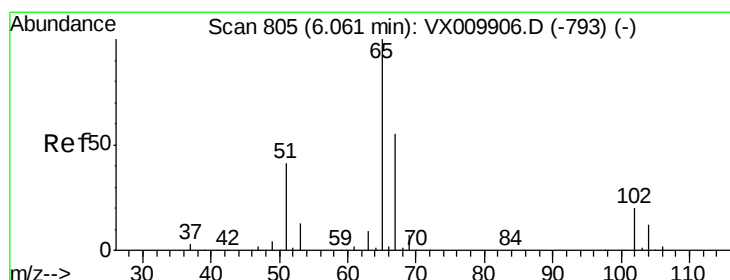
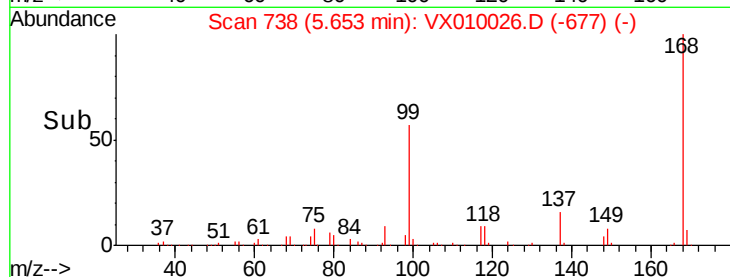
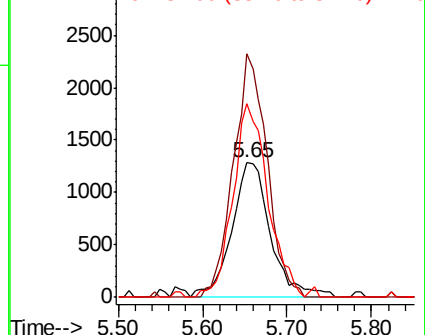
56 100

69 181.1 21.6 32.4#

84 143.6 56.8 85.2#



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: 49.805 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010026.D

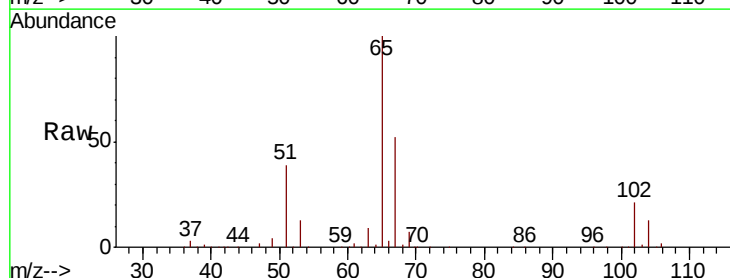
Acq: 03 Jun 2019 11:10

Tgt Ion: 65 Resp: 116041

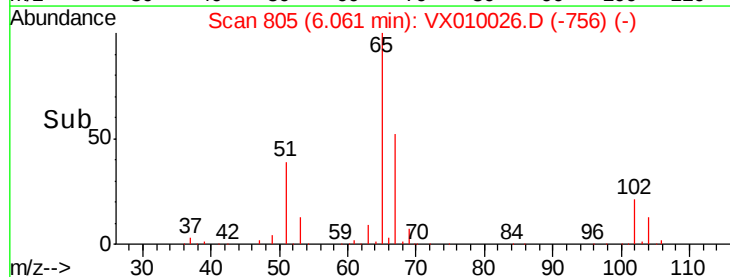
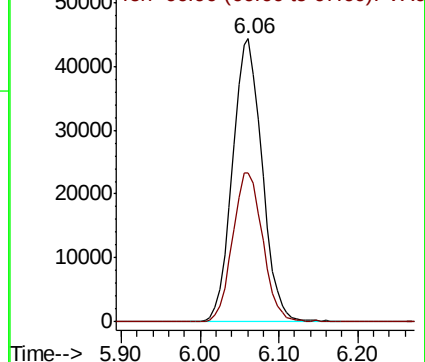
Ion Ratio Lower Upper

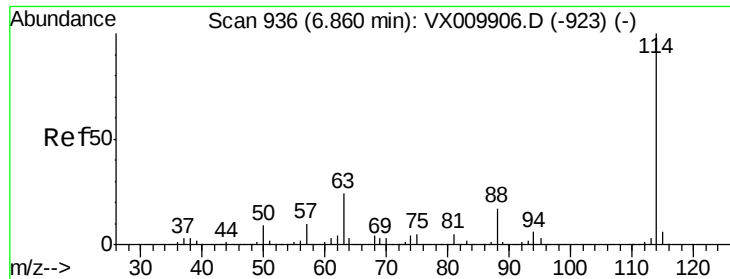
65 100

67 53.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

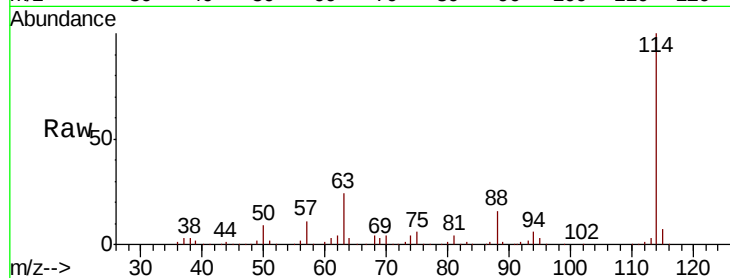




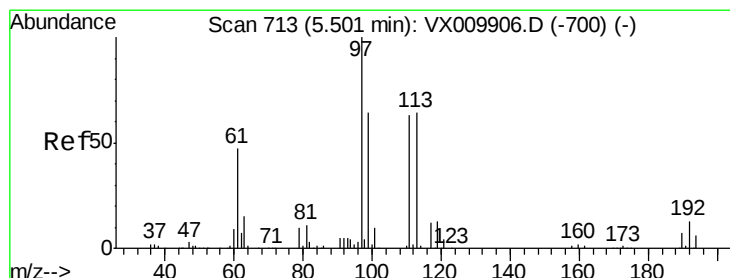
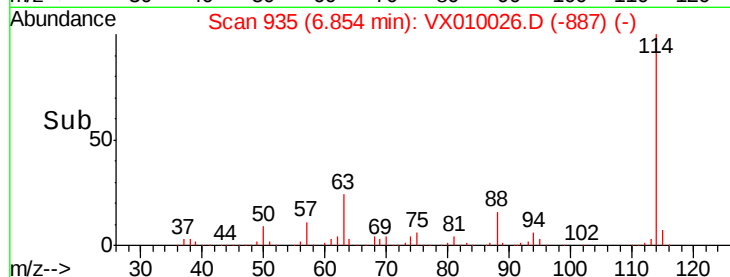
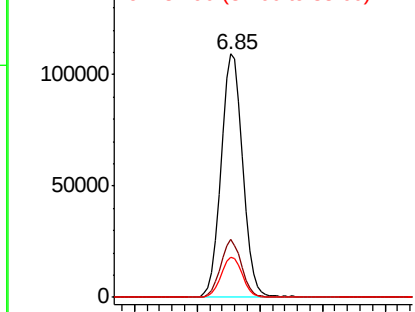
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010026.D
Acq: 03 Jun 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 261870
Ion Ratio Lower Upper
114 100
63 23.6 0.0 47.4
88 16.4 0.0 33.0

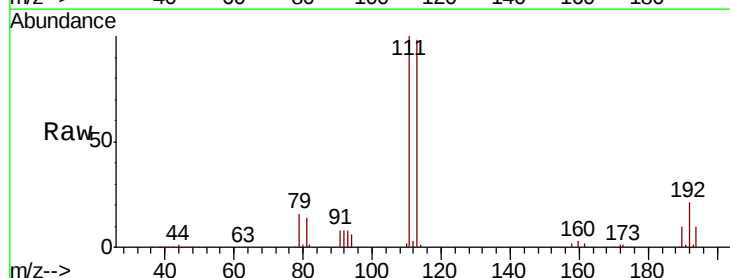


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

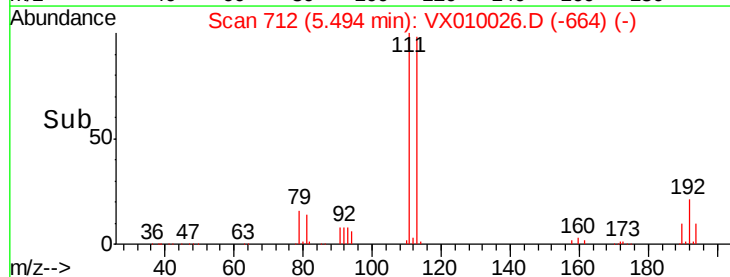
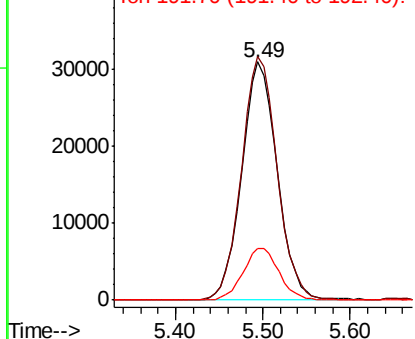


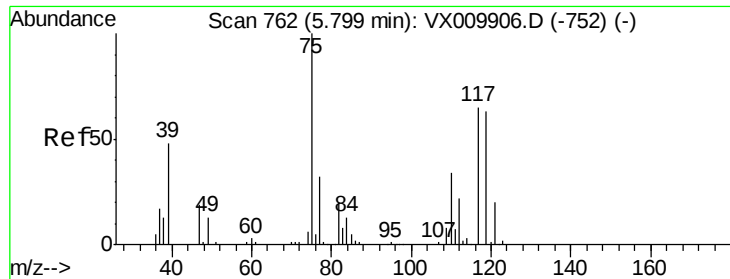
#35
Dibromofluoromethane
Concen: 52.988 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010026.D
Acq: 03 Jun 2019 11:10

Tgt Ion:113 Resp: 87239
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 22.0 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

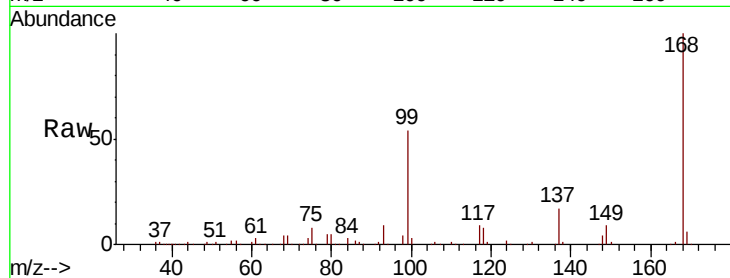




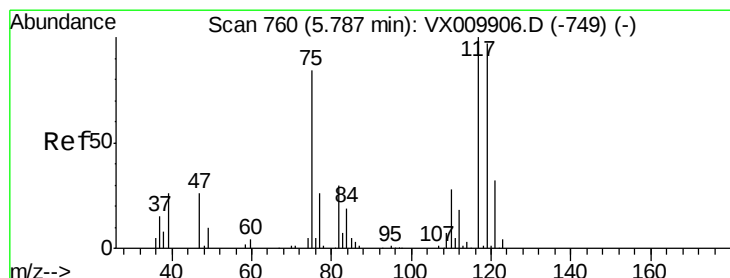
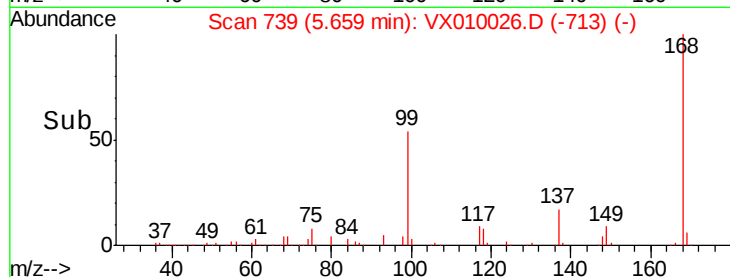
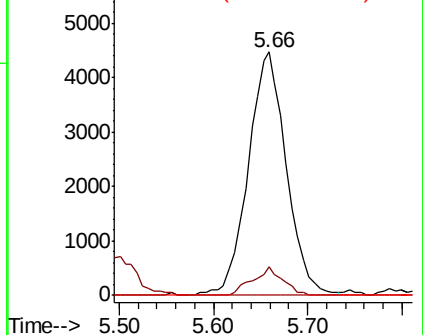
#36
 1,1-Dichloropropene
 Concen: 4.759 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010026.D
 Acq: 03 Jun 2019 11:10

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.7	50.1#
77	0.0	25.0	37.4#

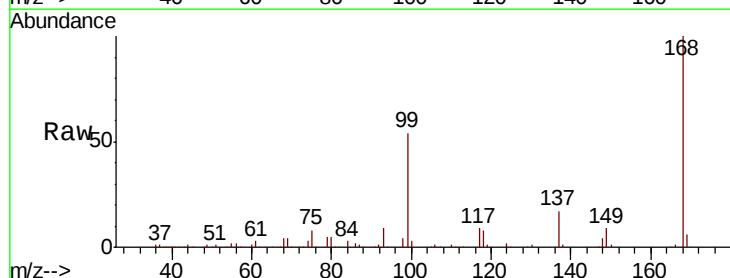


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

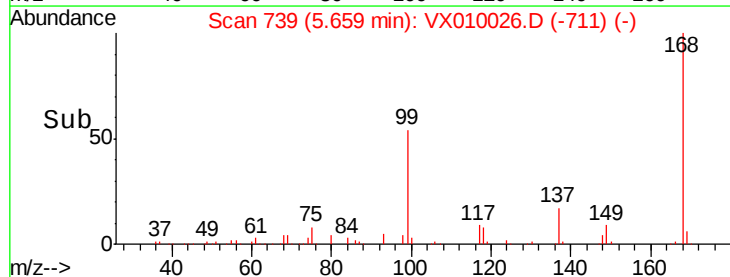
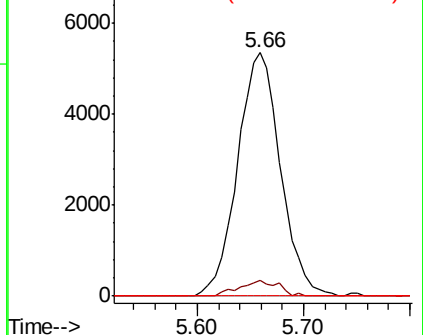


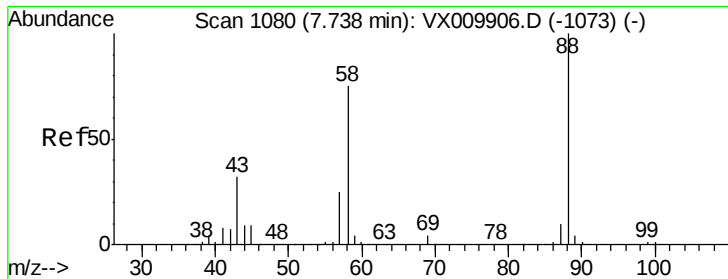
#38
 Carbon Tetrachloride
 Concen: 6.560 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010026.D
 Acq: 03 Jun 2019 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	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

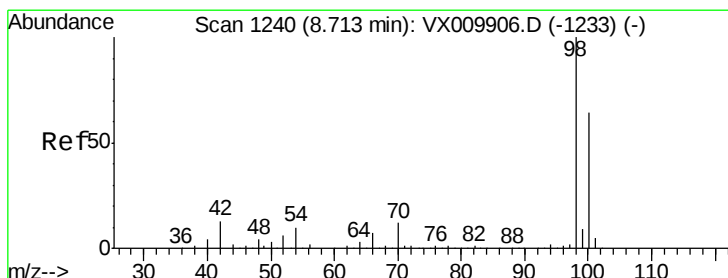
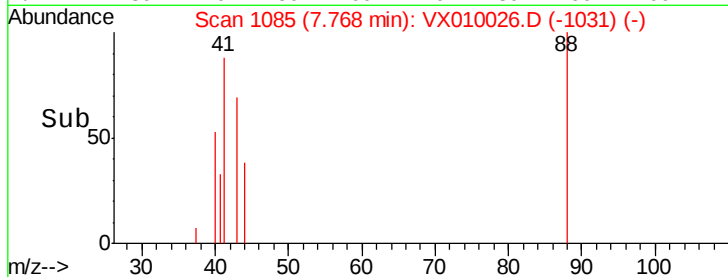
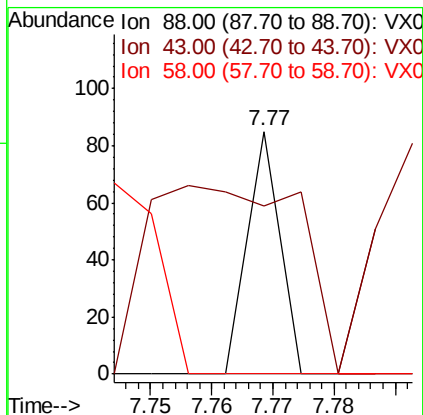
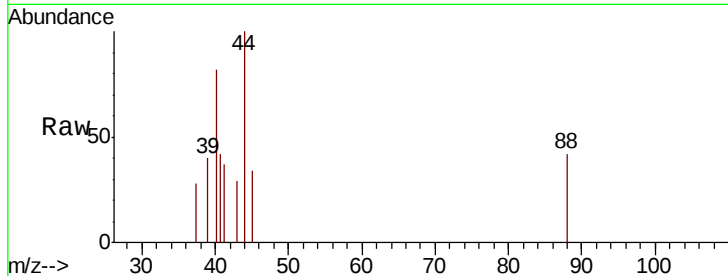




#49
 1,4-Dioxane
 Concen: 0.564 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.03 min
 Lab File: VX010026.D
 Acq: 03 Jun 2019 11:10

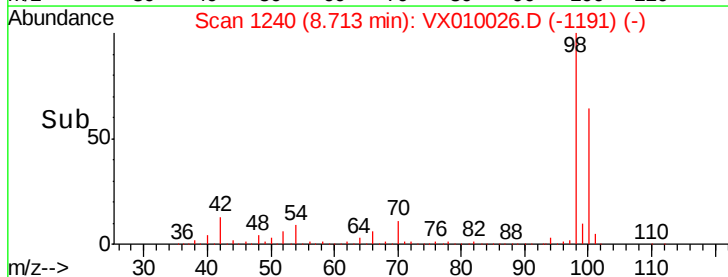
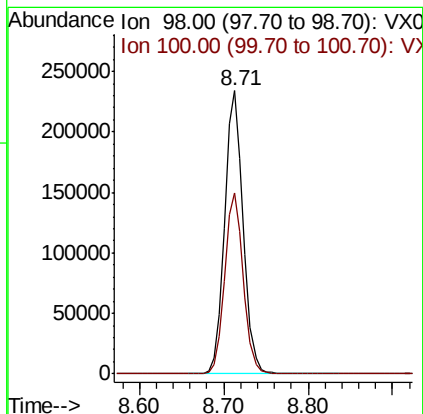
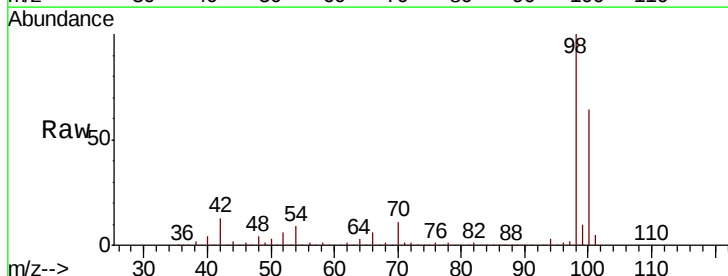
Instrument :
 MSVOA_X
 ClientSampled :

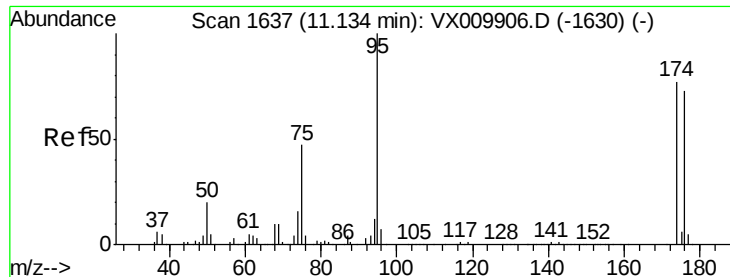
Tot Ion: 88 Resp: 31
 Ion Ratio Lower Upper
 88 100
 43 371.0 30.2 45.4#
 58 0.0 64.0 96.0#



#50
 Toluene-d8
 Concen: 52.905 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX010026.D
 Acq: 03 Jun 2019 11:10

Tgt Ion: 98 Resp: 353701
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 48.477 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010026.D

Acq: 03 Jun 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

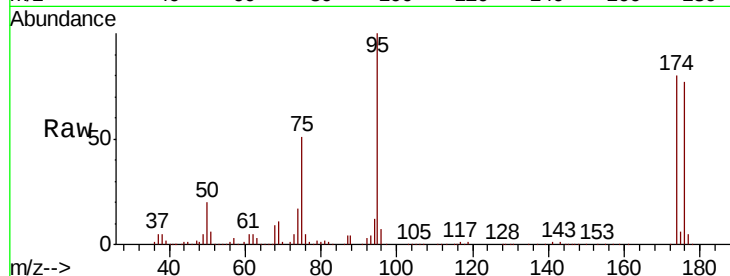
Tot Ion: 95 Resp: 116411

Ion Ratio Lower Upper

95 100

174 83.2 0.0 160.4

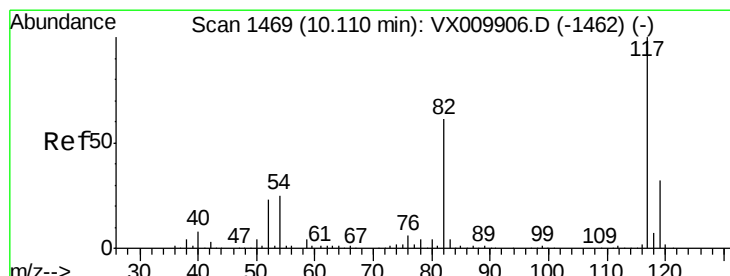
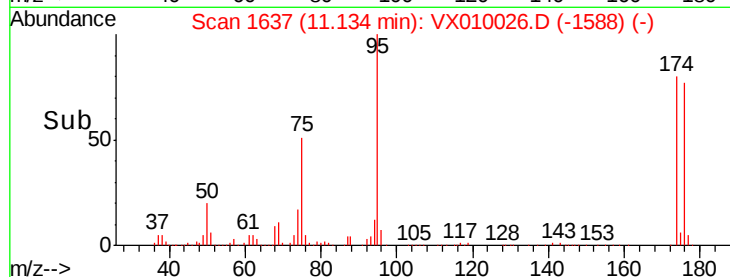
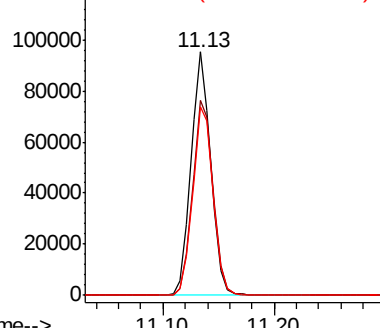
176 80.1 0.0 154.6



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: VX010026.D

Acq: 03 Jun 2019 11:10

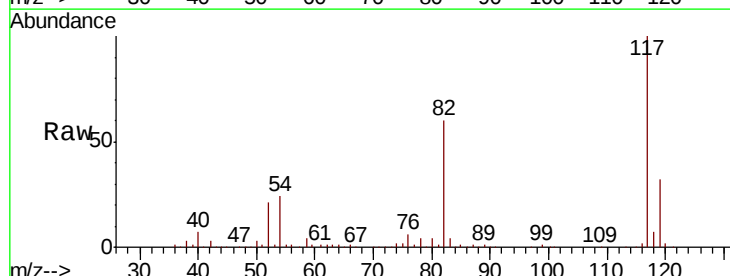
Tgt Ion: 117 Resp: 228030

Ion Ratio Lower Upper

117 100

82 59.5 49.2 73.8

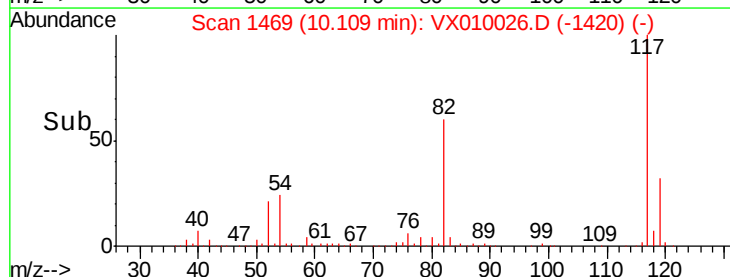
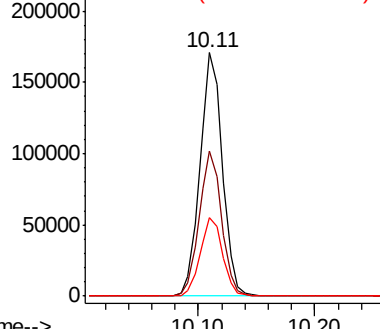
119 32.0 25.2 37.8

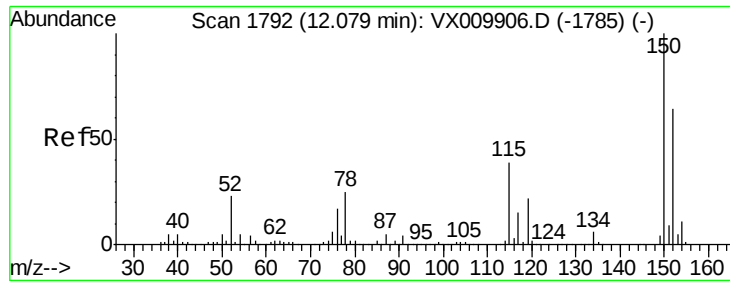


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010026.D

Acq: 03 Jun 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

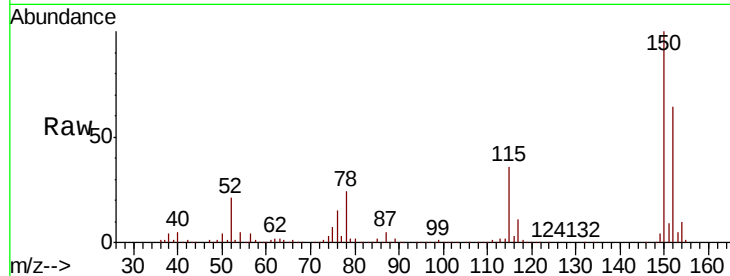
Tot Ion:152 Resp: 97716

Ion Ratio Lower Upper

152 100

115 58.3 41.4 124.2

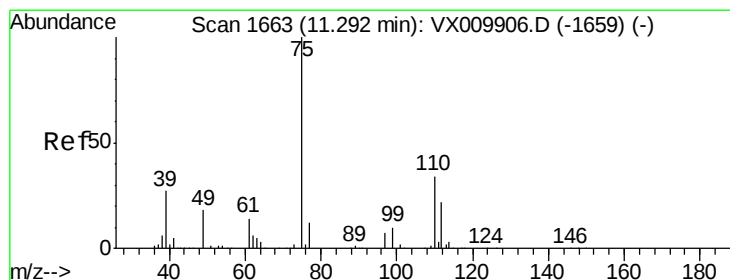
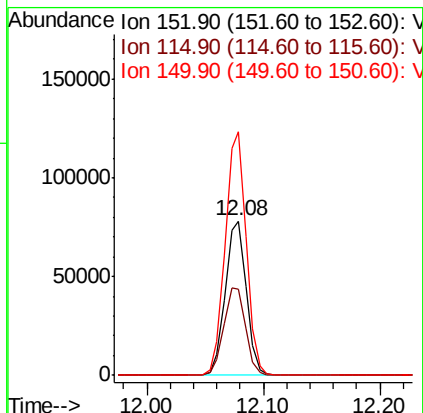
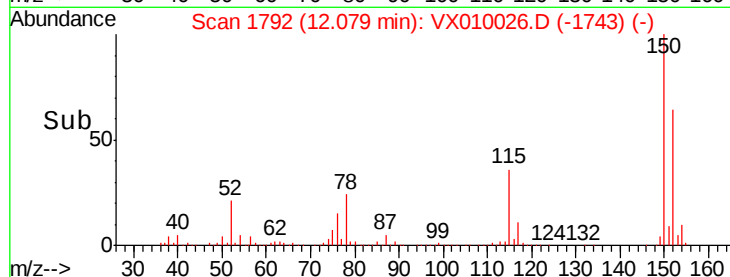
150 157.4 0.0 345.2



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: 25.170 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010026.D

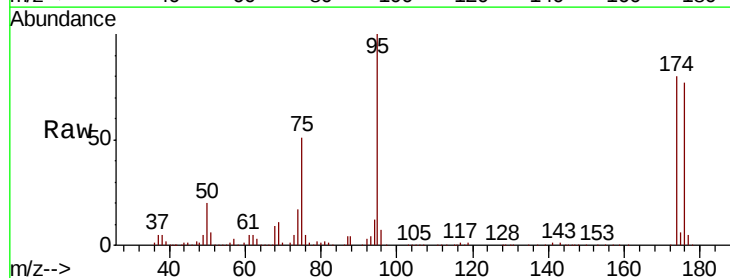
Acq: 03 Jun 2019 11:10

Tgt Ion: 75 Resp: 58815

Ion Ratio Lower Upper

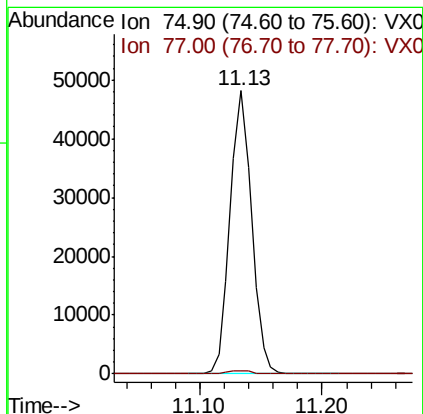
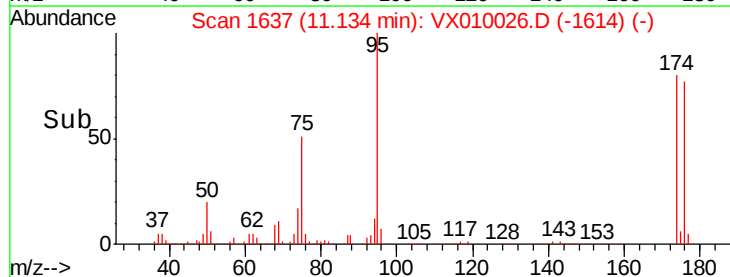
75 100

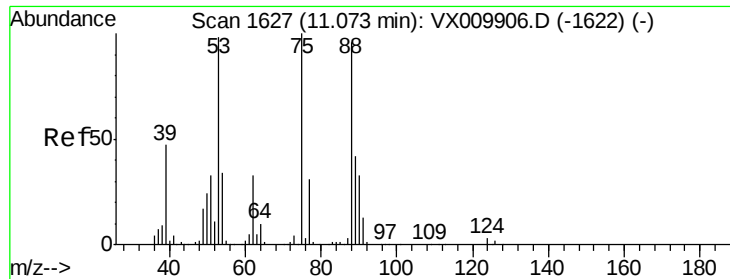
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

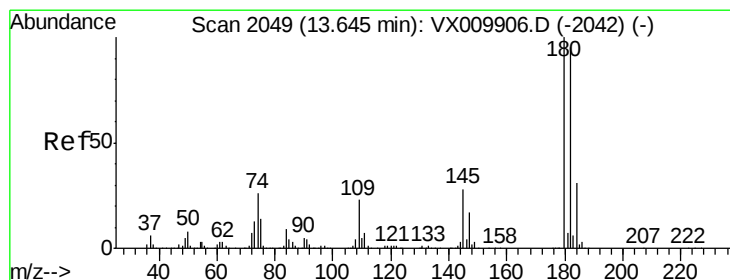
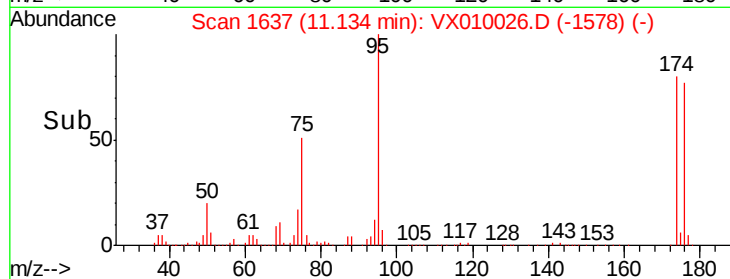
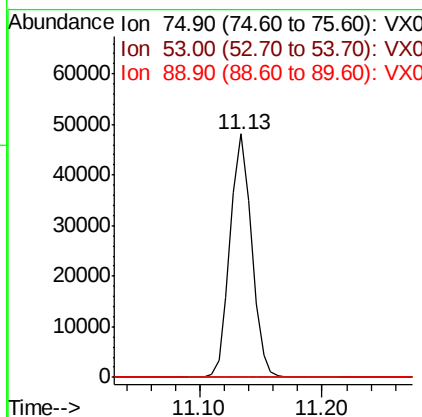
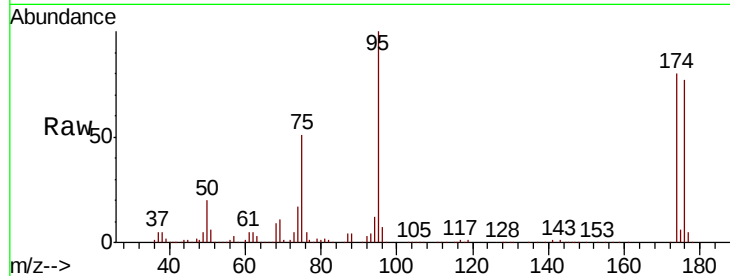




#81
trans-1,4-Dichloro-2-butene
Concen: 62.275 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010026.D
Acq: 03 Jun 2019 11:10

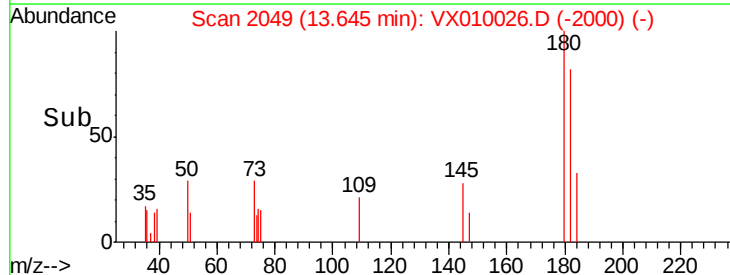
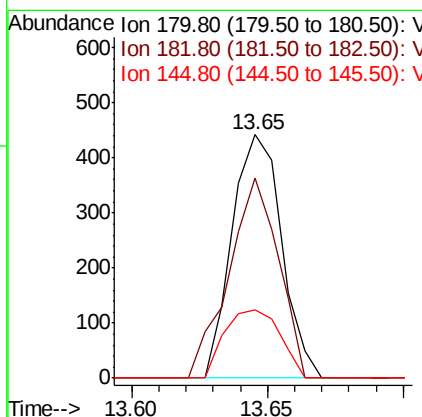
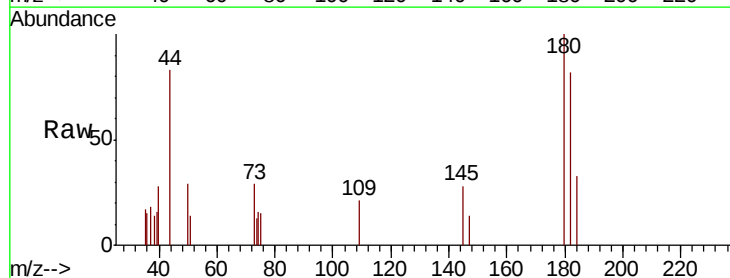
Instrument :
MSVOA_X
ClientSampleId :

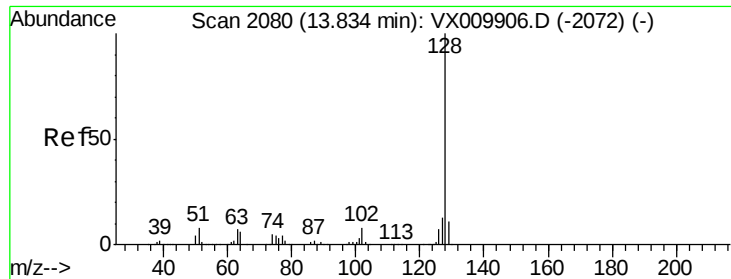
Tot Ion: 75 Resp: 58815
Ion Ratio Lower Upper
75 100
53 0.2 79.8 119.6#
89 0.0 34.2 51.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.243 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010026.D
Acq: 03 Jun 2019 11:10

Tgt Ion:180 Resp: 559
Ion Ratio Lower Upper
180 100
182 82.5 47.4 142.2
145 31.1 14.5 43.5





#95

Naphthalene

Concen: 0.203 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010026.D

Acq: 03 Jun 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

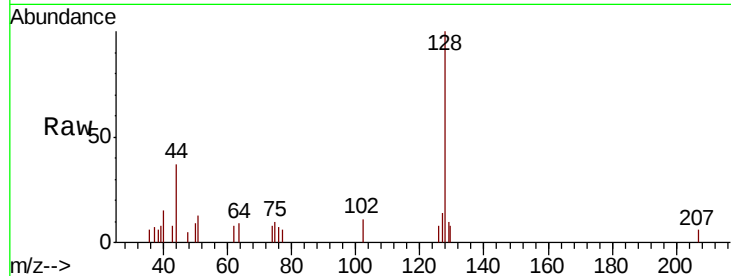
Tot Ion:128 Resp: 1455

Ion Ratio Lower Upper

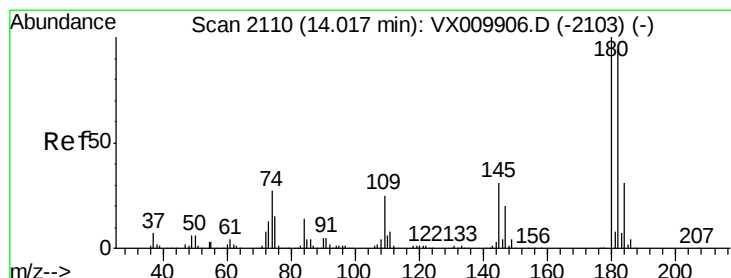
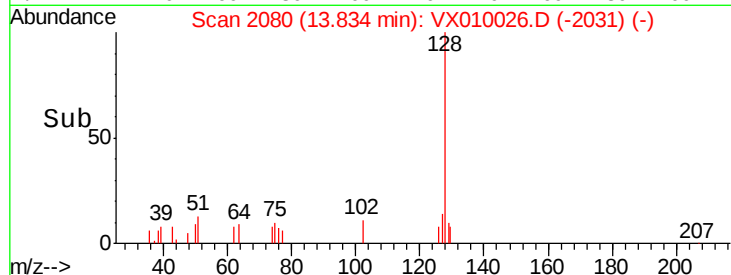
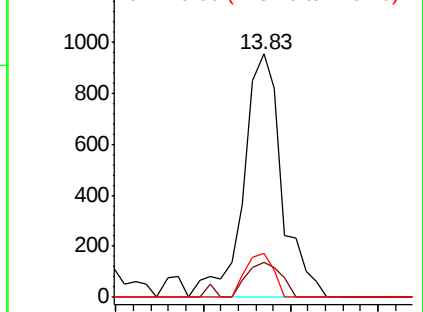
128 100

127 12.9 10.6 16.0

129 13.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.235 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010026.D

Acq: 03 Jun 2019 11:10

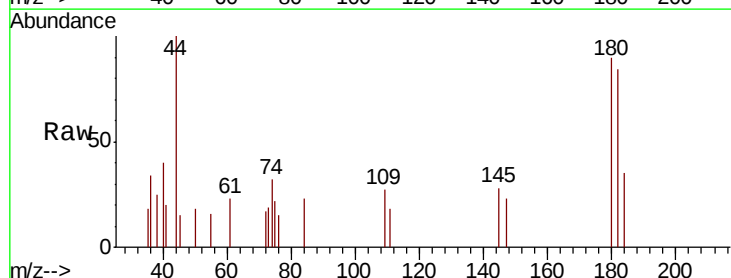
Tgt Ion:180 Resp: 541

Ion Ratio Lower Upper

180 100

182 82.6 47.3 142.0

145 30.9 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

