

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009378.D
 Acq On : 07 May 2019 15:44
 Operator : JC/SP
 Sample : K2721-01 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506

Quant Time: May 08 02:15:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	185135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111903	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	119350	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
35) Dibromofluoromethane	5.50	113	90710	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	8.71	98	368535	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	121927	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

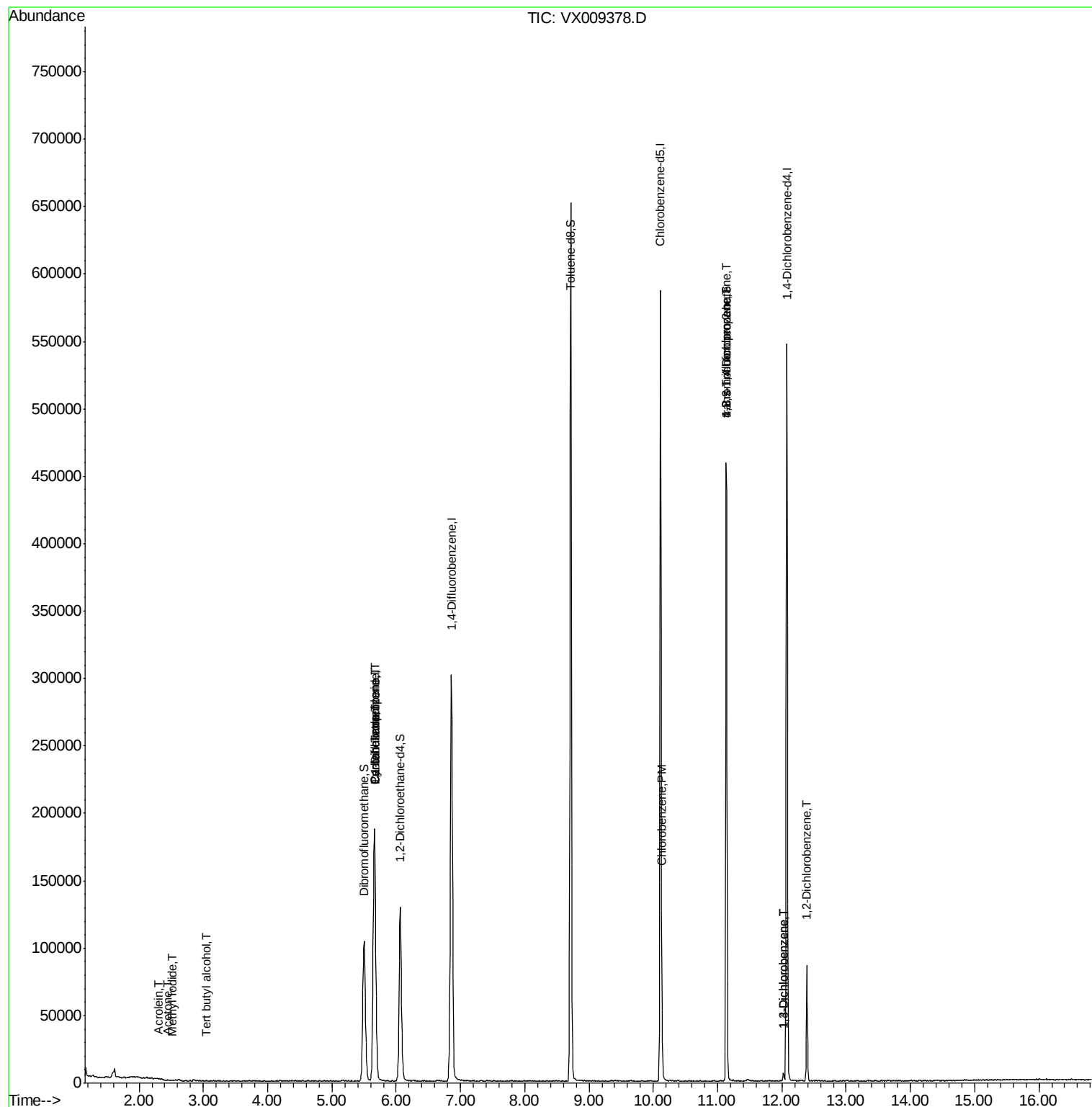
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	191	4.680	ug/l #	42
11) Tert butyl alcohol	3.04	59	330	0.564	ug/l #	92
13) Acrolein	2.30	56	230	0.434	ug/l	86
16) Acetone	2.45	43	700	0.516	ug/l #	86
28) Bromochloromethane	5.02	49	67	Below Cal	#	20
31) Cyclohexane	5.67	56	4007	1.072	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14229	5.167	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17326	6.925	ug/l #	17
65) Chlorobenzene	10.13	112	9164	1.766	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	61161	23.562	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61161	60.287	ug/l #	10
87) 1,3-Dichlorobenzene	12.02	146	1639	0.455	ug/l	96
88) 1,4-Dichlorobenzene	12.02	146	1639	0.452	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	25570	6.972	ug/l	99

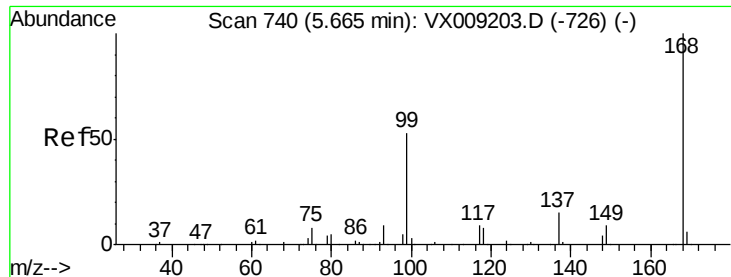
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009378.D

Acq: 07 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

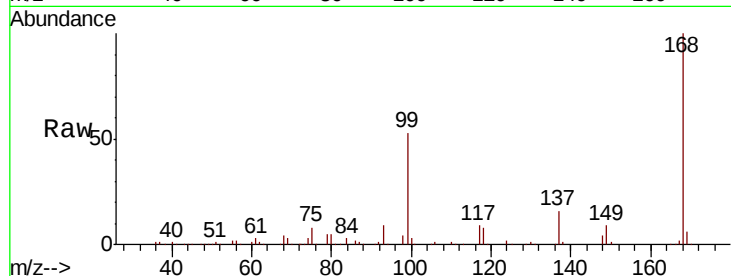
SS003RW114R-190506

Tot Ion:168 Resp: 185135

Ion Ratio Lower Upper

168 100

99 52.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

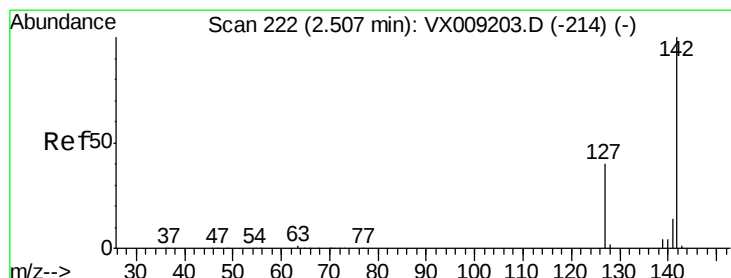
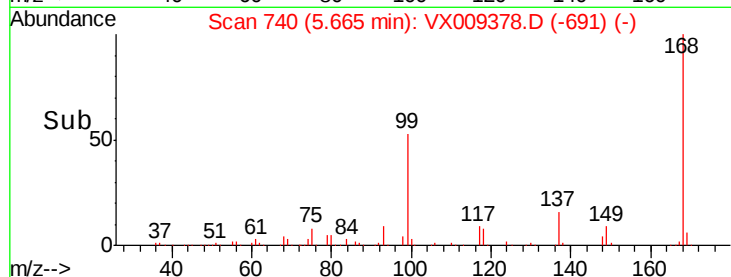
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.680 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009378.D

Acq: 07 May 2019 15:44

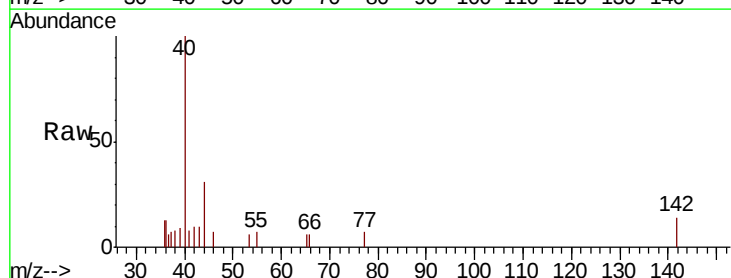
Tgt Ion:142 Resp: 191

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



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

2.51

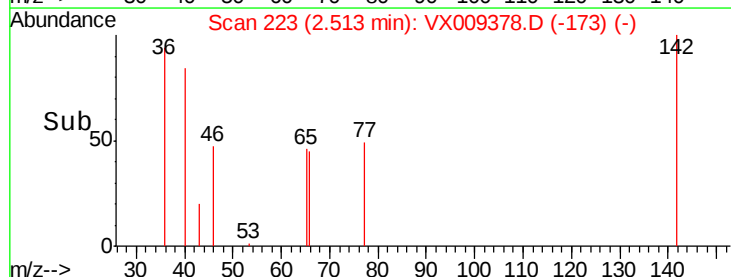
150

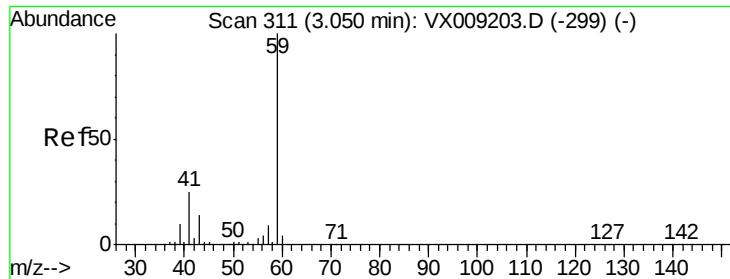
100

50

0

Time--> 2.50 2.55

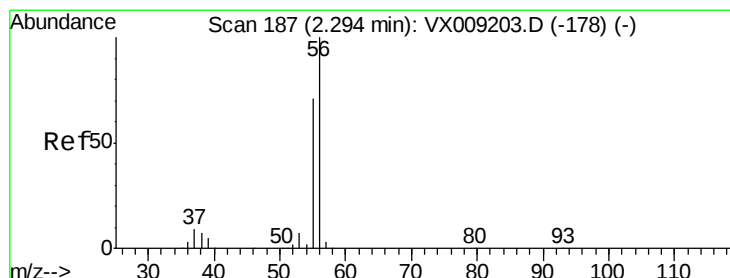
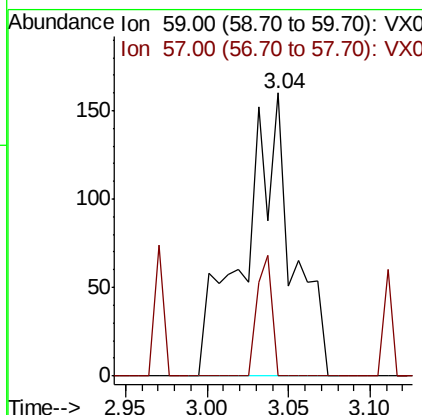
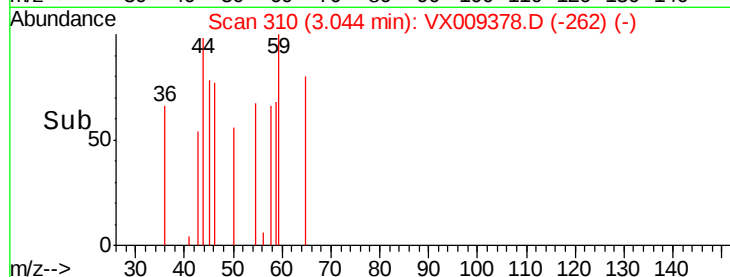
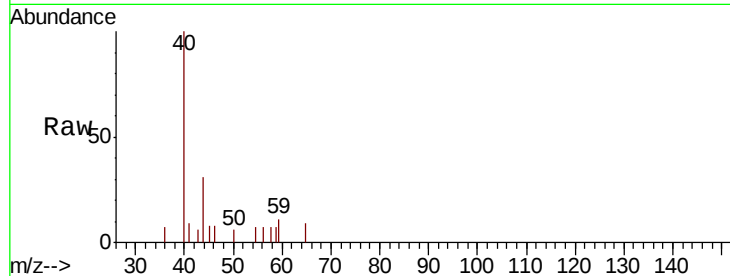




#11
Tert butyl alcohol
Concen: 0.564 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

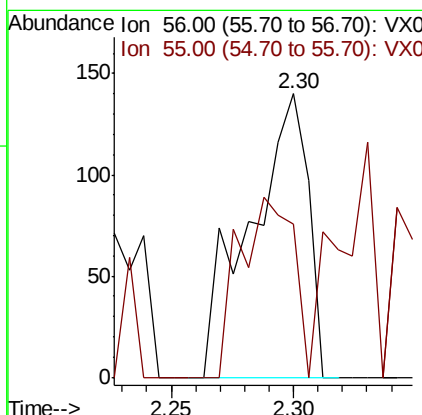
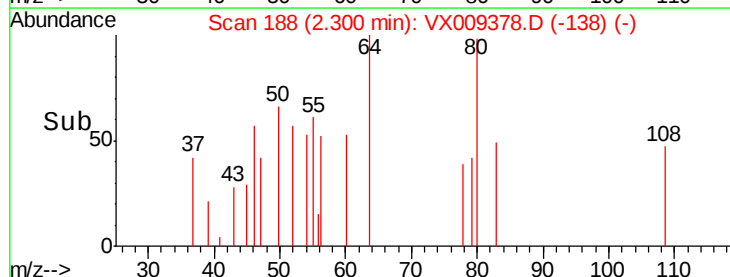
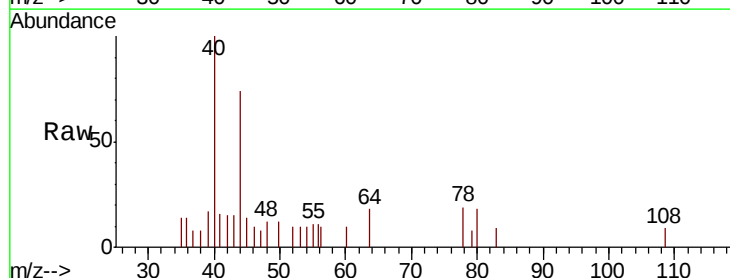
Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506

Tot Ion: 59 Resp: 330
Ion Ratio Lower Upper
59 100
57 13.3 8.2 12.2#



#13
Acrolein
Concen: 0.434 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 59.1 56.6 85.0

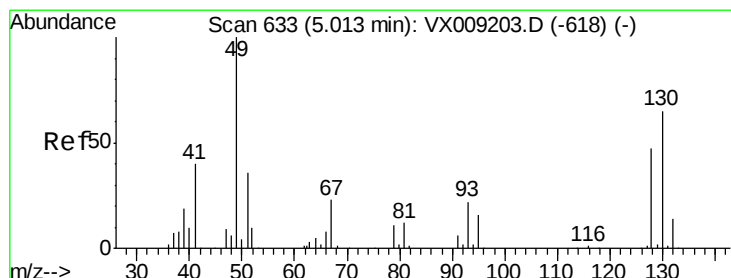
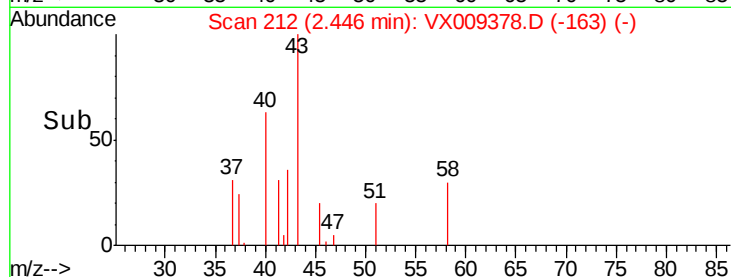
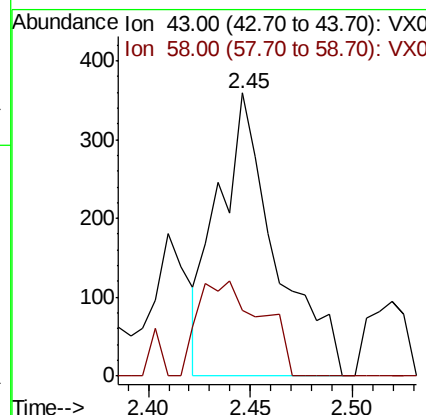
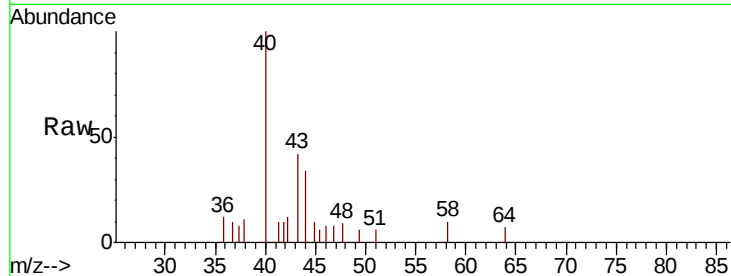




#16
Acetone
Concen: 0.516 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

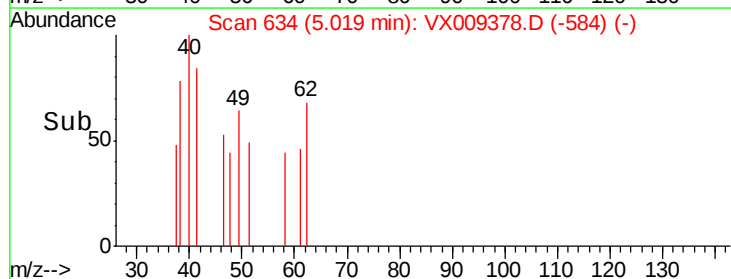
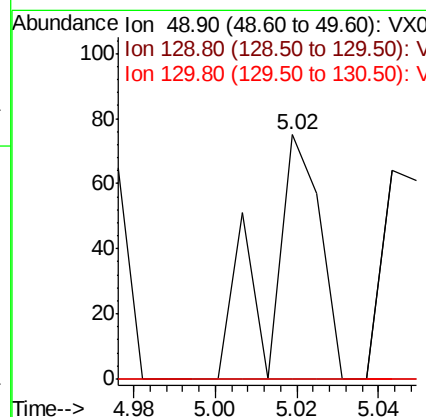
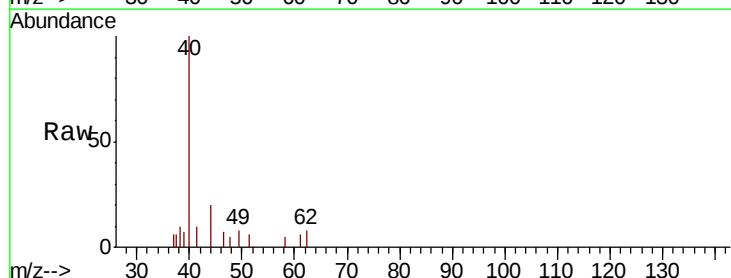
Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506

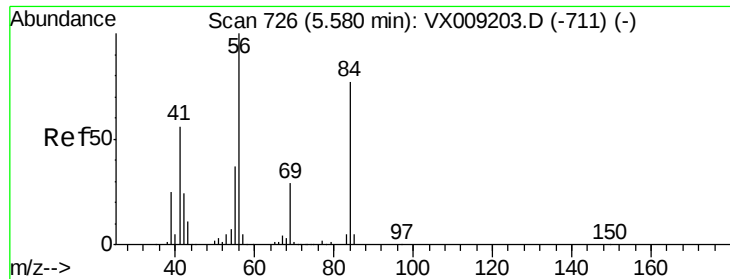
Tot Ion: 43 Resp: 700
Ion Ratio Lower Upper
43 100
58 23.1 24.9 37.3#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

Tgt Ion: 49 Resp: 67
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

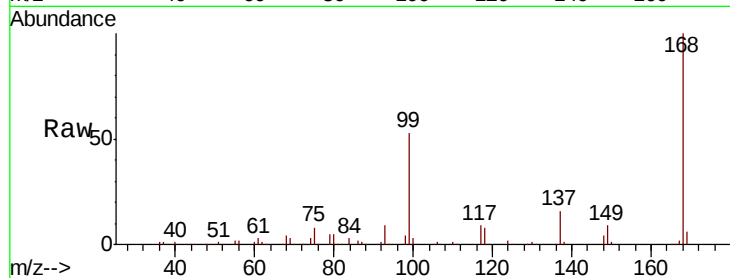




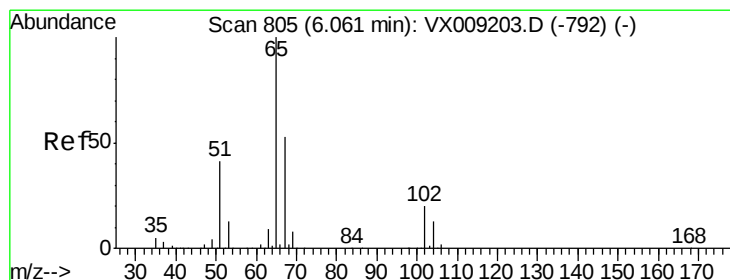
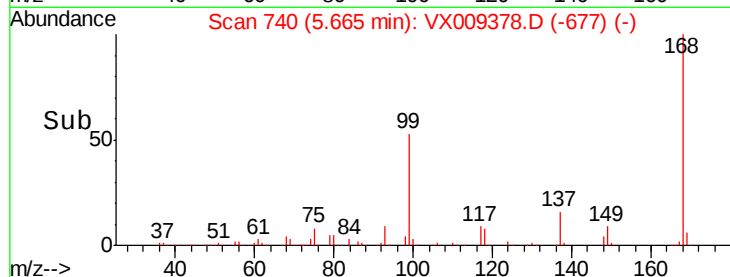
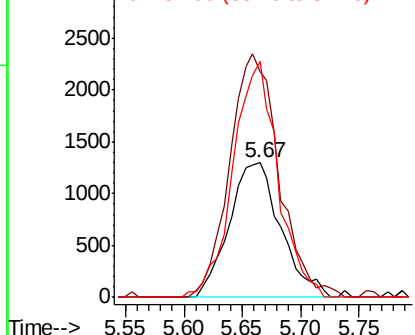
#31
Cyclohexane
Concen: 1.072 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506

Tot Ion: 56 Resp: 4007
Ion Ratio Lower Upper
56 100
69 168.1 23.4 35.0#
84 175.2 61.9 92.9#

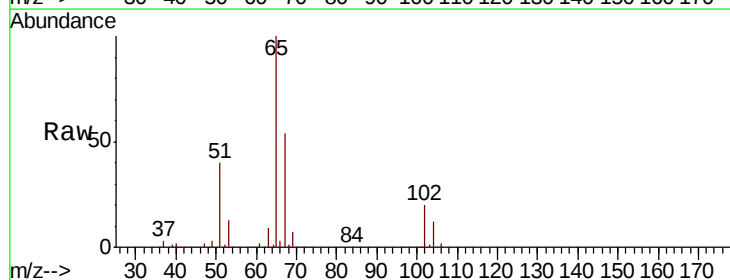


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

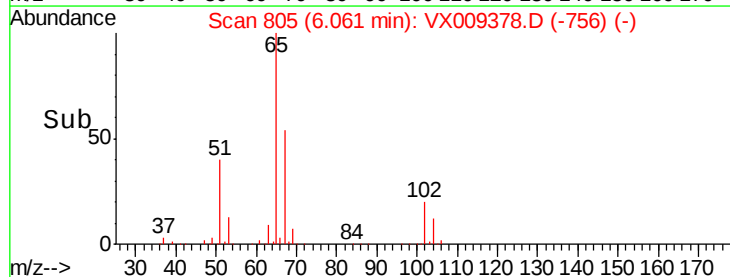
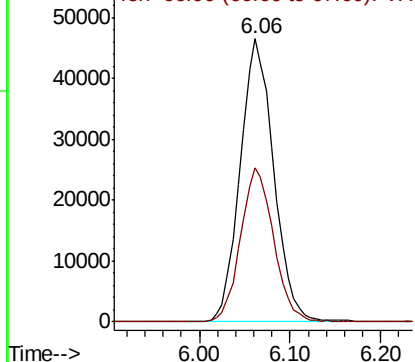


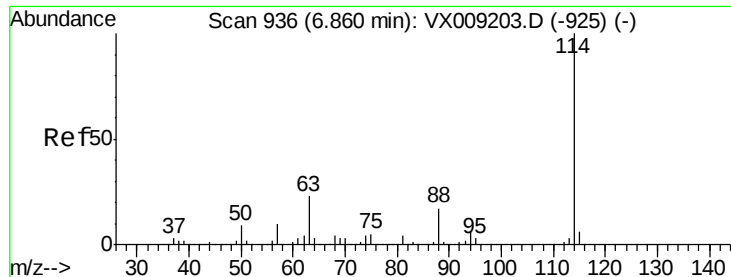
#33
1,2-Dichloroethane-d4
Concen: 47.224 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

Tgt Ion: 65 Resp: 119350
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.6



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: VX009378.D

Acq: 07 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506

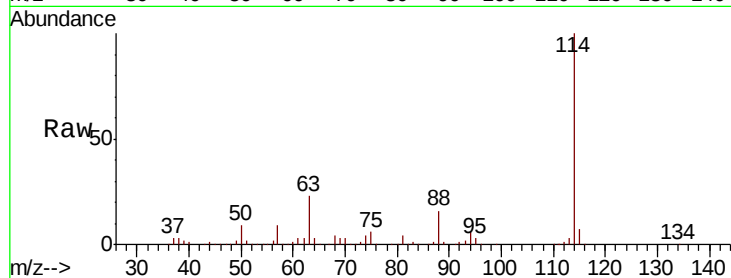
Tot Ion:114 Resp: 296319

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

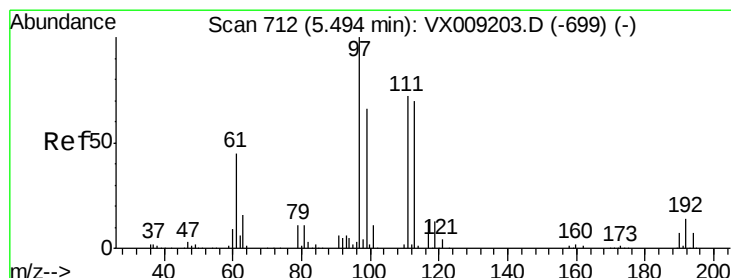
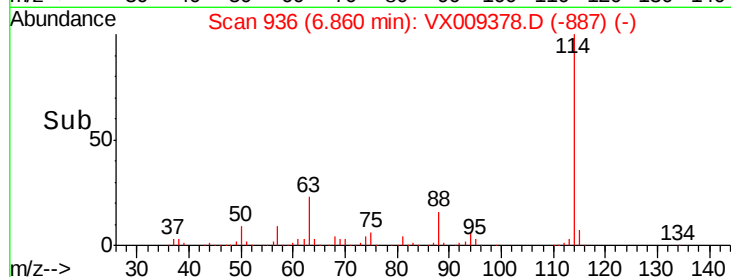
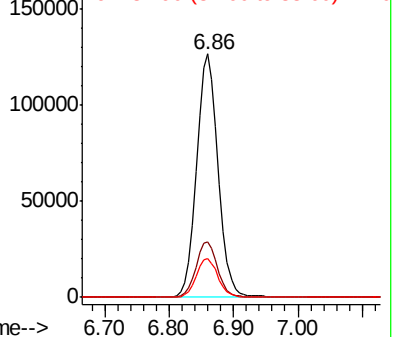
88 16.2 0.0 33.2



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: 48.696 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009378.D

Acq: 07 May 2019 15:44

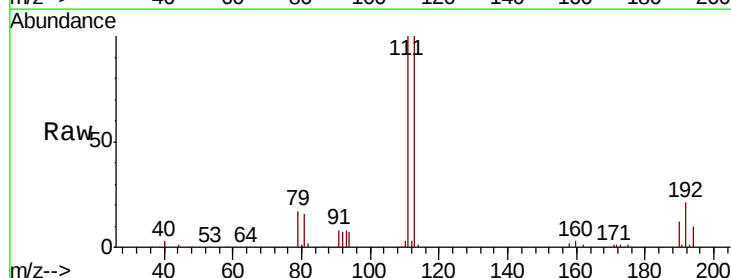
Tgt Ion:113 Resp: 90710

Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

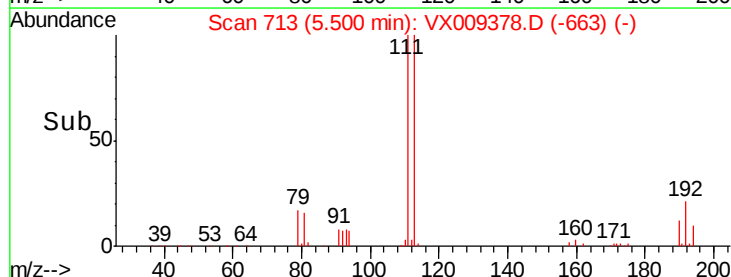
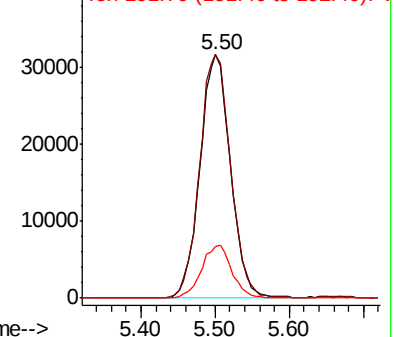
192 21.6 17.0 25.6

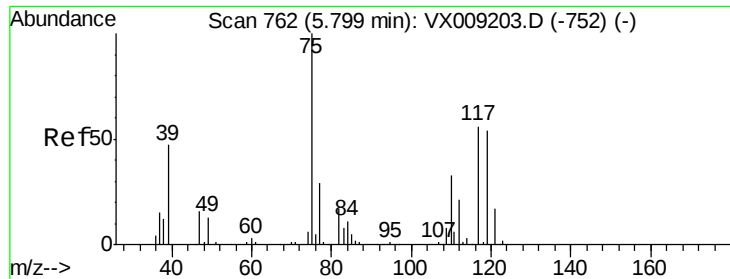


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

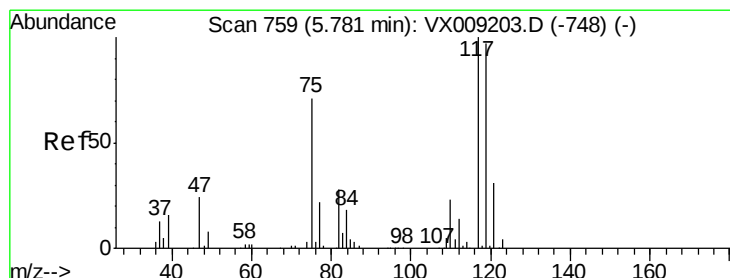
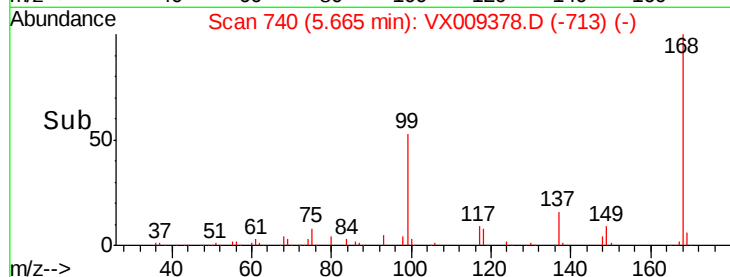
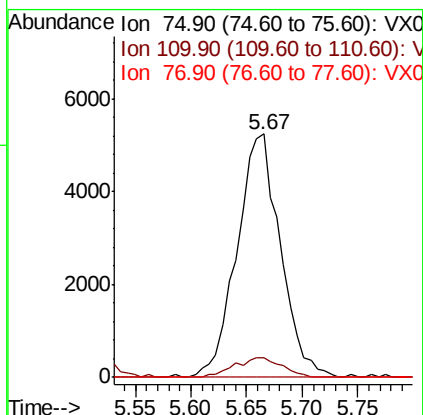
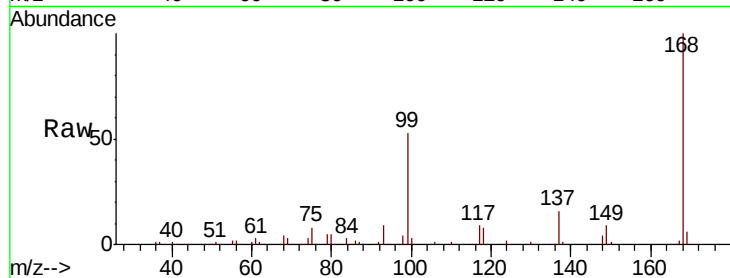




#36
 1,1-Dichloropropene
 Concen: 5.167 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009378.D
 Acq: 07 May 2019 15:44

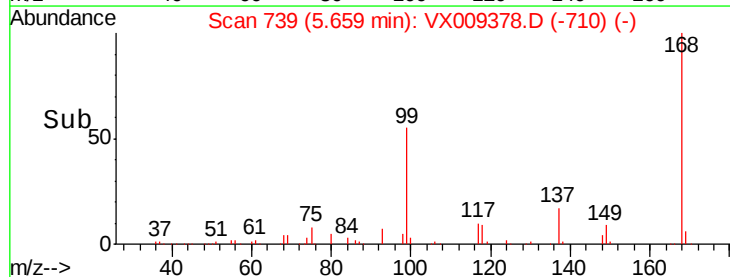
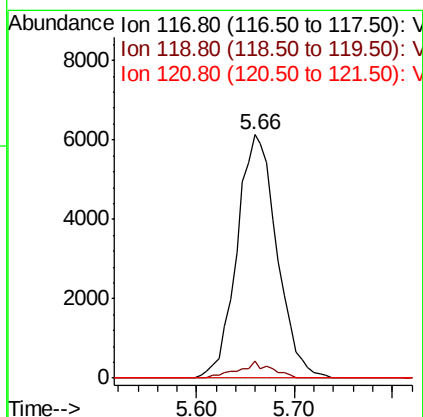
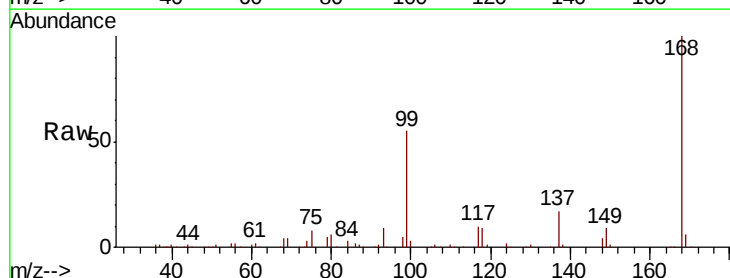
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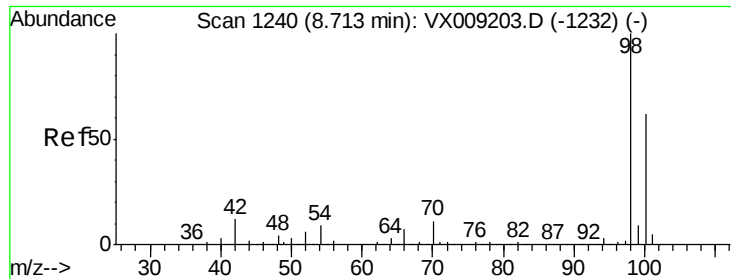
Tot Ion: 75 Resp: 14229
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.925 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009378.D
 Acq: 07 May 2019 15:44

Tgt Ion: 117 Resp: 17326
 Ion Ratio Lower Upper
 117 100
 119 6.9 77.5 116.3#
 121 0.0 24.7 37.1#

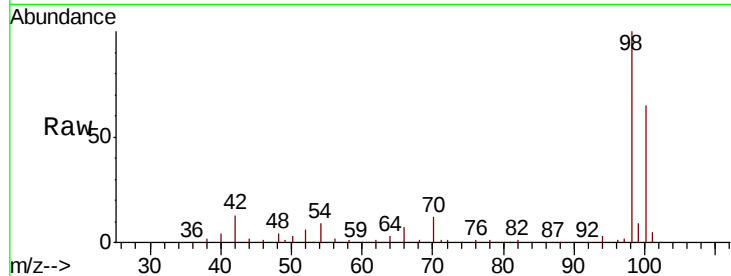




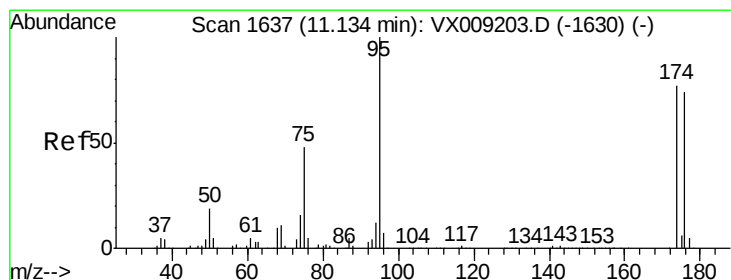
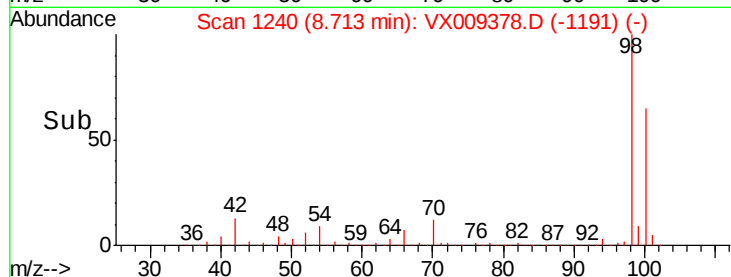
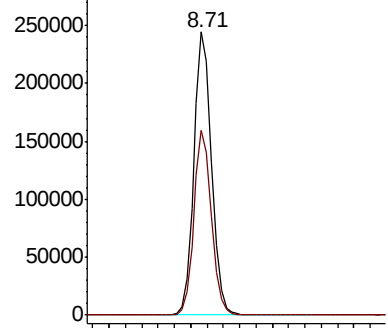
#50
Toluene-d8
Concen: 49.004 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506

Tot Ion: 98 Resp: 368535
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8

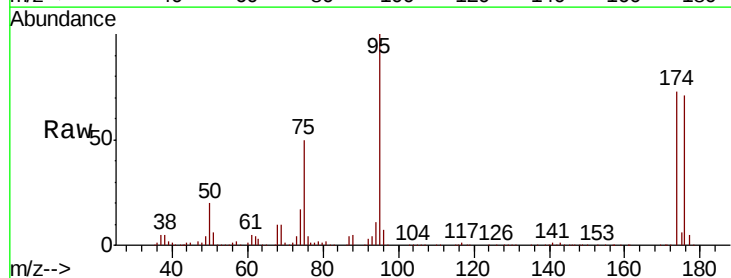


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

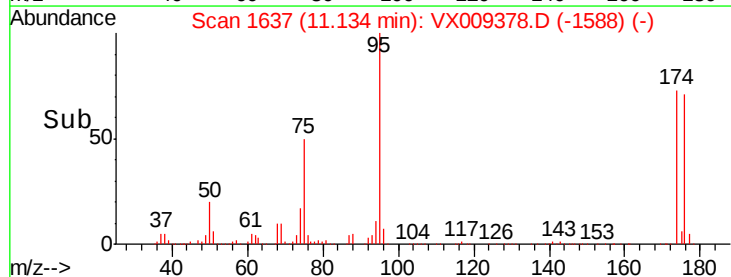
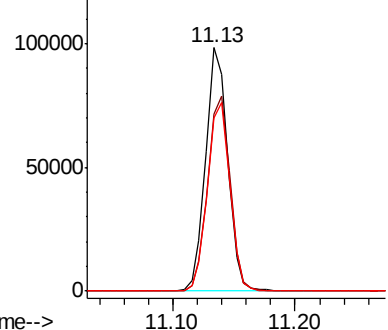


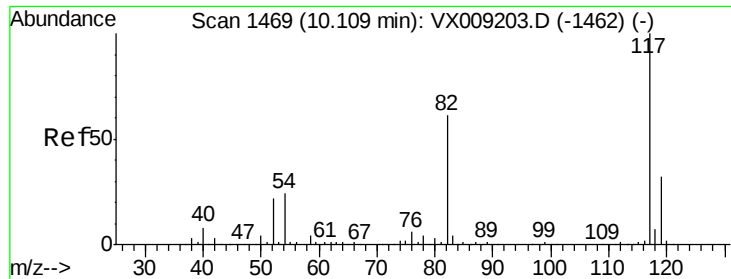
#62
4-Bromofluorobenzene
Concen: 44.618 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

Tgt Ion: 95 Resp: 121927
Ion Ratio Lower Upper
95 100
174 82.0 0.0 161.6
176 79.2 0.0 159.2



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

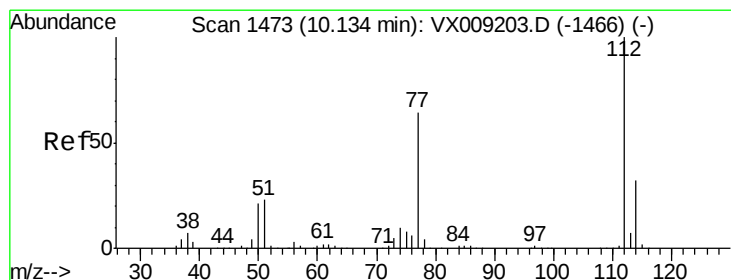
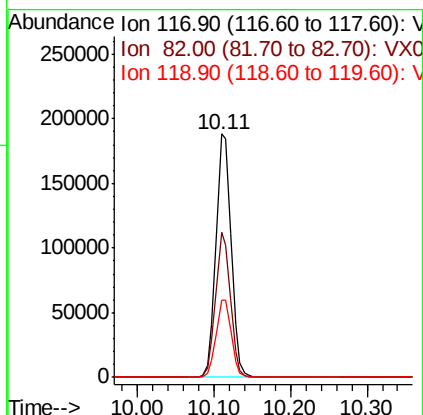
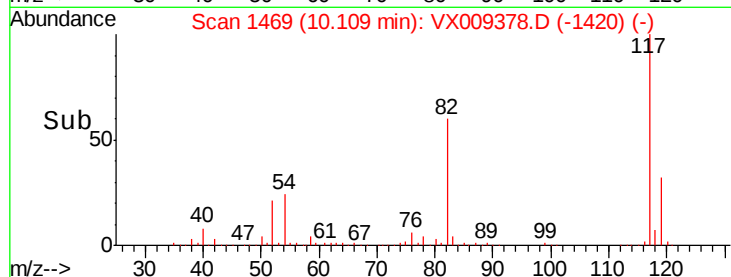
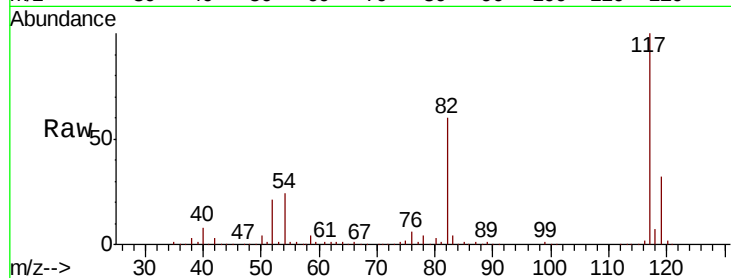




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

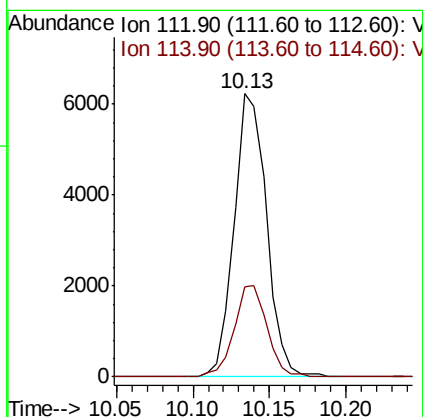
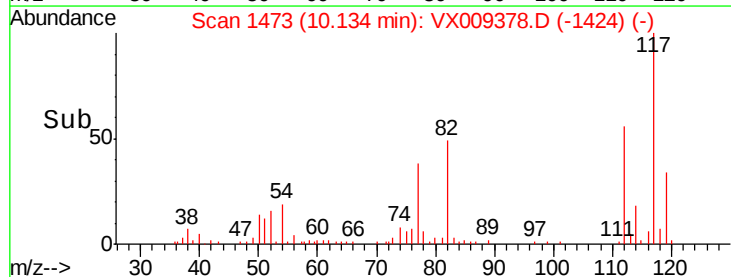
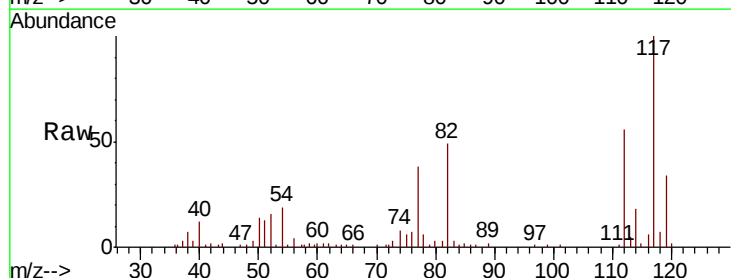
Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506

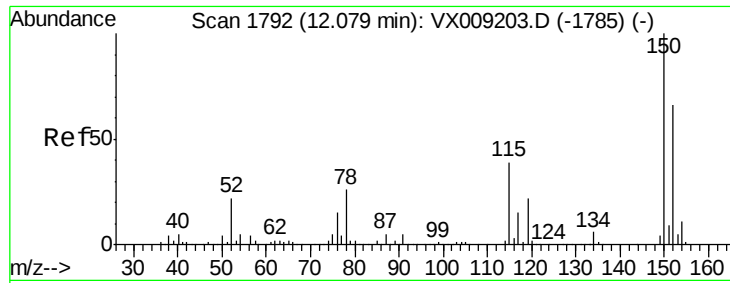
Tot Ion:117 Resp: 259358
Ion Ratio Lower Upper
117 100
82 59.5 48.8 73.2
119 31.5 25.8 38.6



#65
Chlorobenzene
Concen: 1.766 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009378.D
Acq: 07 May 2019 15:44

Tgt Ion:112 Resp: 9164
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009378.D

Acq: 07 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506

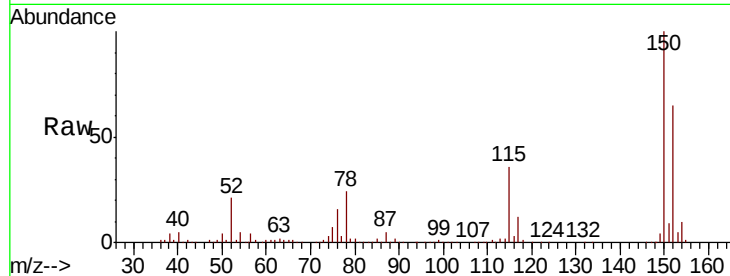
Tot Ion:152 Resp: 111903

Ion Ratio Lower Upper

152 100

115 57.7 41.2 123.6

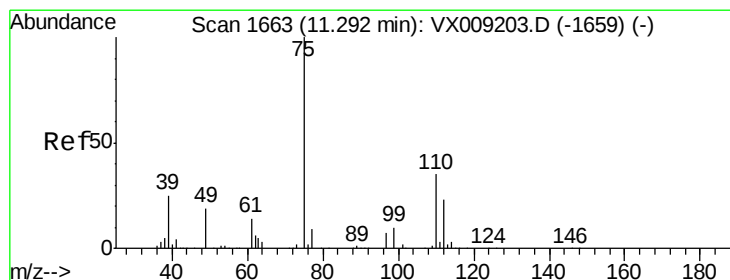
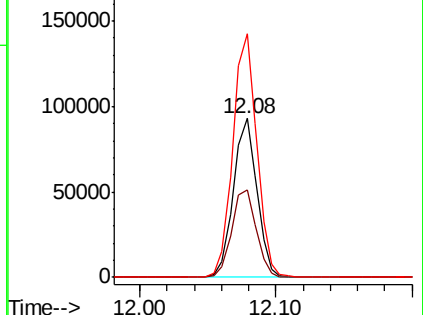
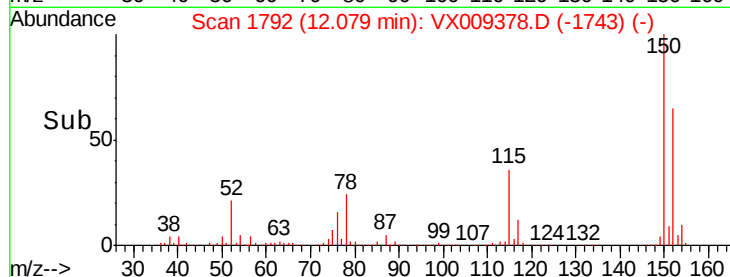
150 155.8 0.0 346.4



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: 23.562 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009378.D

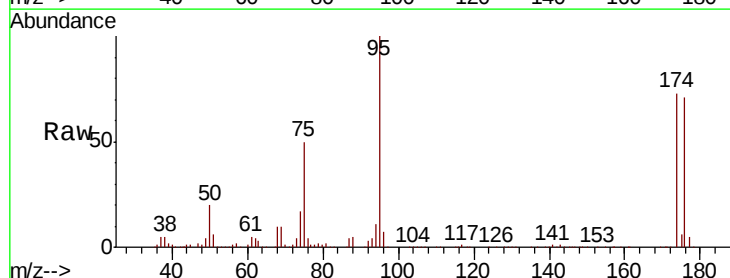
Acq: 07 May 2019 15:44

Tgt Ion: 75 Resp: 61161

Ion Ratio Lower Upper

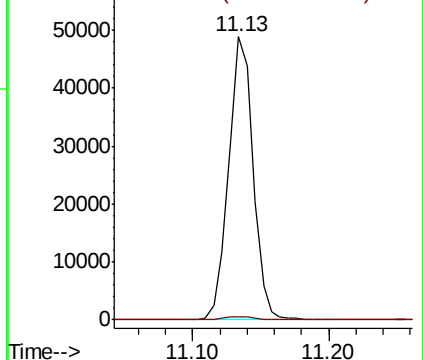
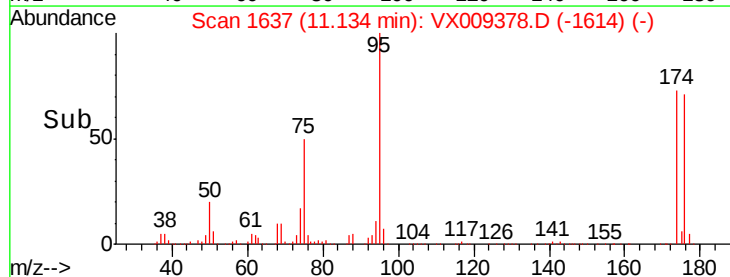
75 100

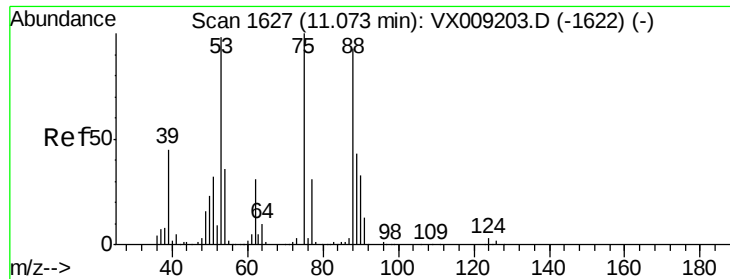
77 1.4 22.1 66.1#



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: 60.287 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009378.D

Acq: 07 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506

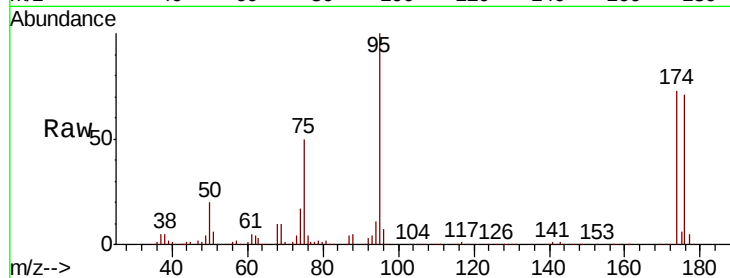
Tot Ion: 75 Resp: 61161

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

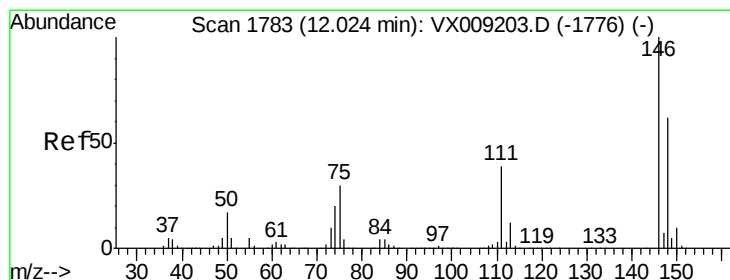
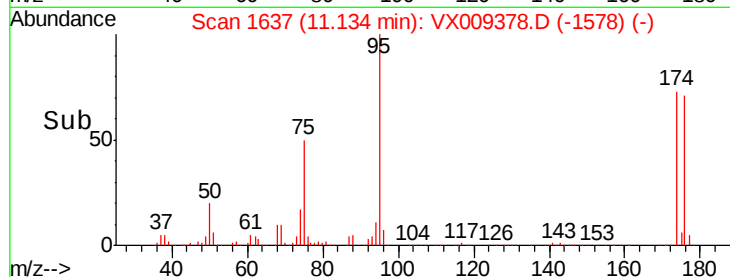
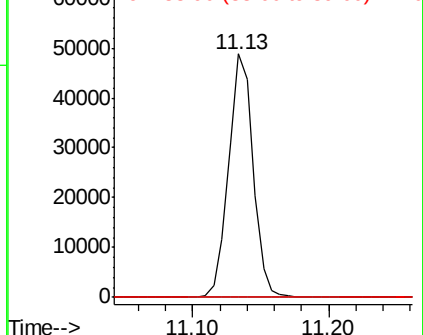
89 0.0 34.7 52.1#



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



#87

1,3-Dichlorobenzene

Concen: 0.455 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009378.D

Acq: 07 May 2019 15:44

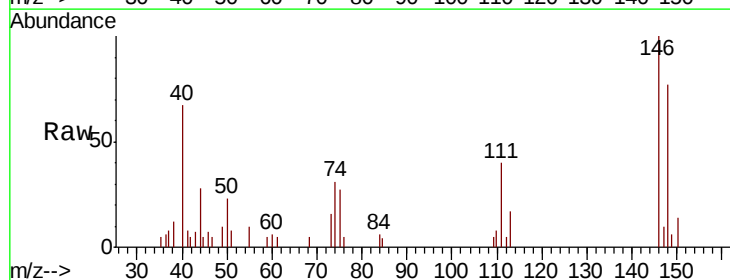
Tgt Ion: 146 Resp: 1639

Ion Ratio Lower Upper

146 100

111 40.3 20.0 59.9

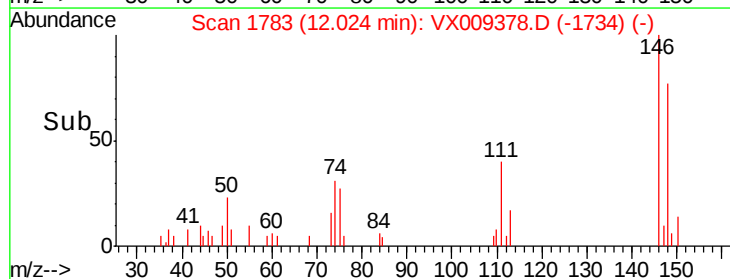
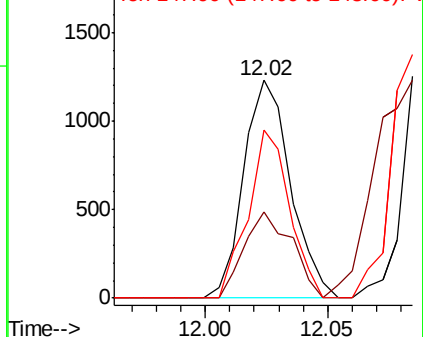
148 68.3 31.8 95.3

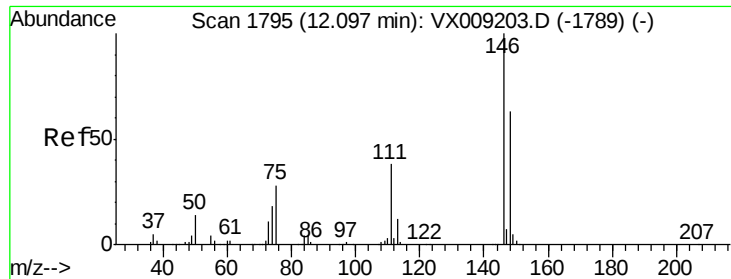


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.452 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.07 min

Lab File: VX009378.D

Acq: 07 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506

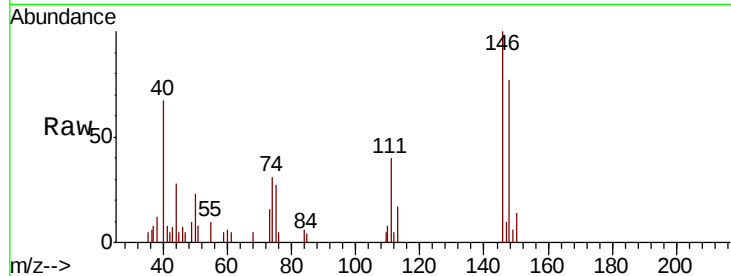
Tot Ion:146 Resp: 1639

Ion Ratio Lower Upper

146 100

111 40.3 19.6 58.8

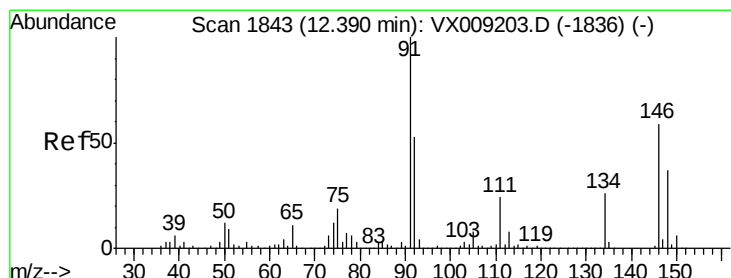
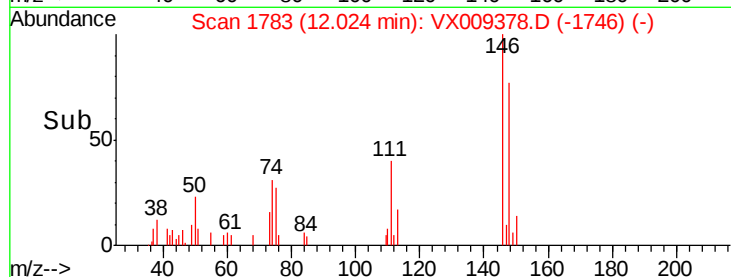
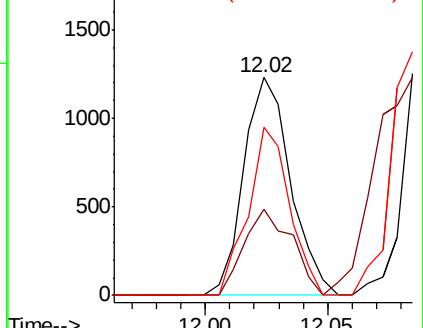
148 68.3 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 6.972 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009378.D

Acq: 07 May 2019 15:44

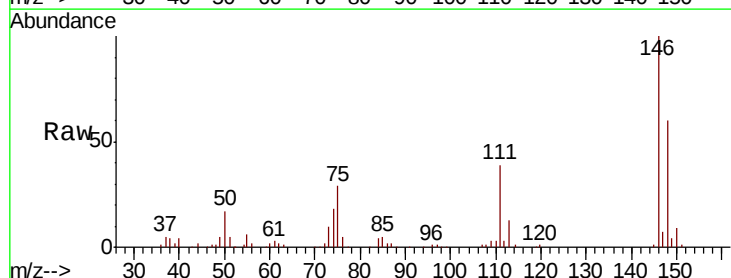
Tgt Ion:146 Resp: 25570

Ion Ratio Lower Upper

146 100

111 42.4 20.8 62.4

148 64.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

