

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009312.D
 Acq On : 03 May 2019 16:17
 Operator : JC/SP
 Sample : K2663-06 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW513-190430

Quant Time: May 03 23:18:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	193929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	312459	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	274361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118123	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	126836	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	5.50	113	94132	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
50) Toluene-d8	8.71	98	390794	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.13	95	130252	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

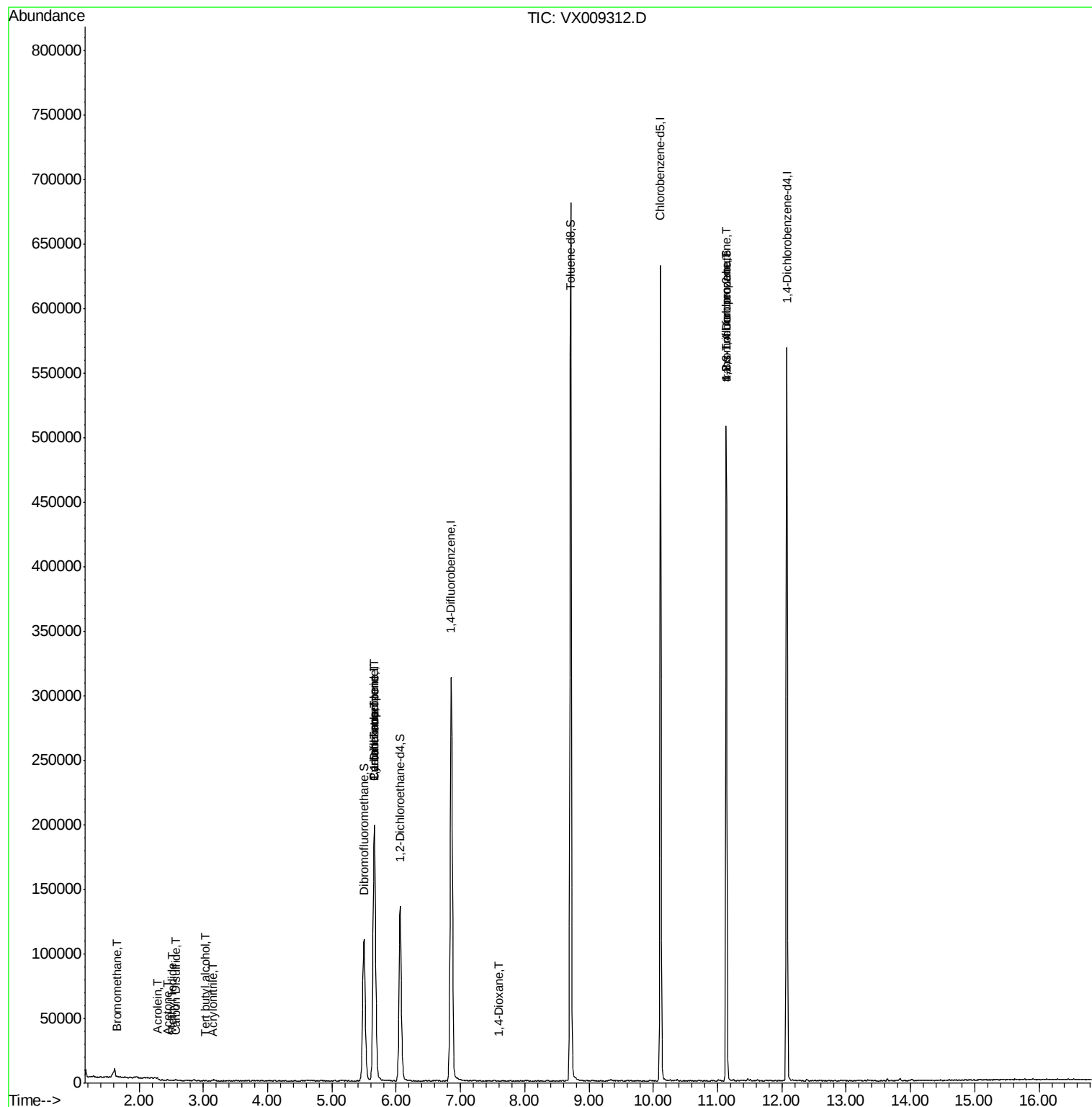
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	334	0.234	ug/l #	38
10) Methyl Iodide	2.51	142	435	4.781	ug/l #	89
11) Tert butyl alcohol	3.03	59	164	0.268	ug/l #	60
13) Acrolein	2.29	56	361	0.650	ug/l #	82
15) Acrylonitrile	3.15	53	400	0.267	ug/l #	53
16) Acetone	2.45	43	856	0.602	ug/l	96
17) Carbon Disulfide	2.57	76	1128	0.221	ug/l #	67
28) Bromochloromethane	5.01	49	100	Below Cal	#	20
31) Cyclohexane	5.66	56	4341	1.109	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15114	5.205	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18197	6.897	ug/l #	16
49) 1,4-Dioxane	7.59	88	22	0.338	ug/l #	20
76) 1,2,3-Trichloropropane	11.13	75	66933	24.428	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66933	62.502	ug/l #	10

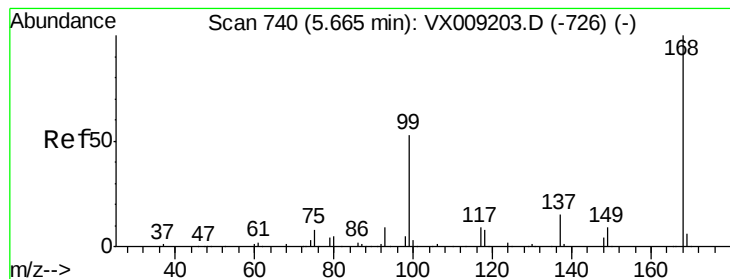
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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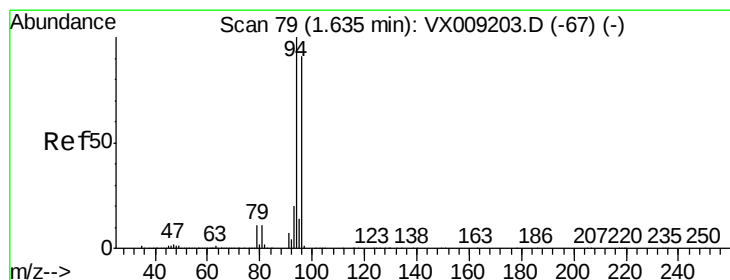
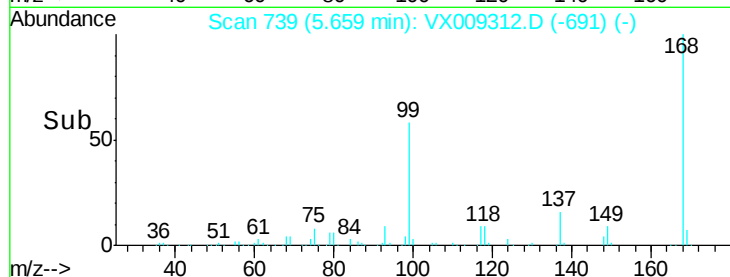
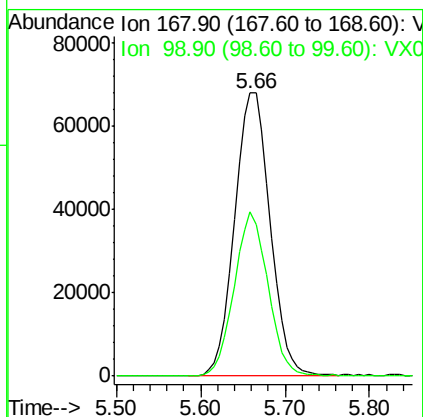
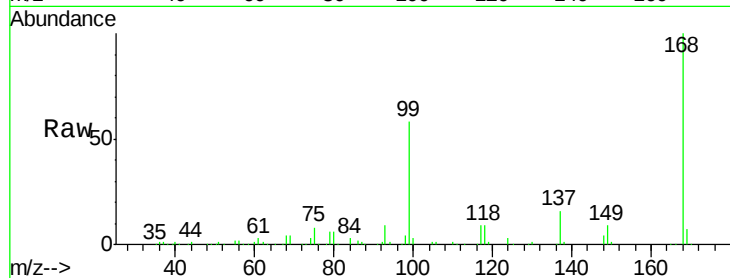




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009312.D
Acq: 03 May 2019 16:17

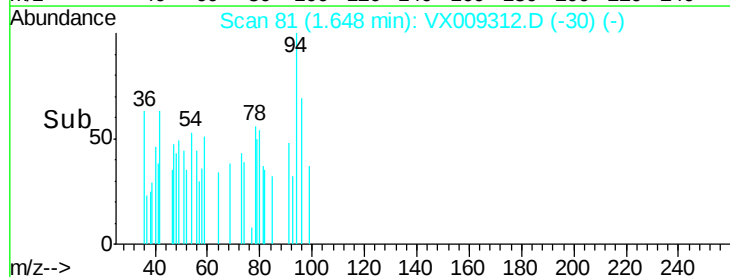
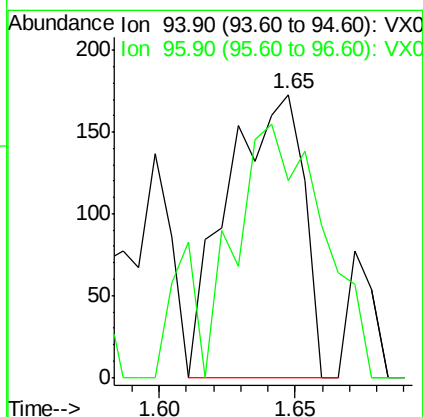
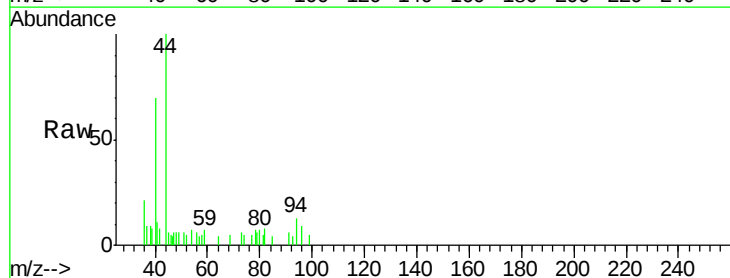
Instrument :
MSVOA_X
ClientSampleId :
SS050MW513-190430

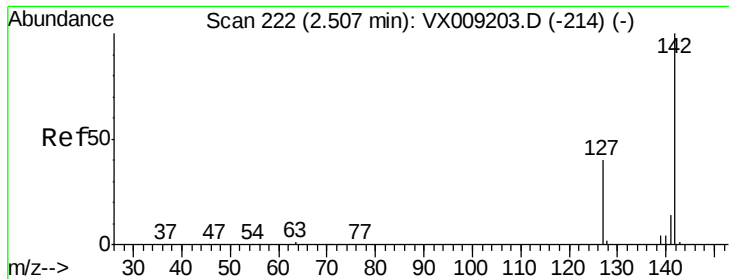
Tot Ion:168 Resp: 193929
Ion Ratio Lower Upper
168 100
99 58.1 42.3 63.5



#5
Bromomethane
Concen: 0.234 ug/l
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX009312.D
Acq: 03 May 2019 16:17

Tgt Ion: 94 Resp: 334
Ion Ratio Lower Upper
94 100
96 32.4 73.0 109.6#

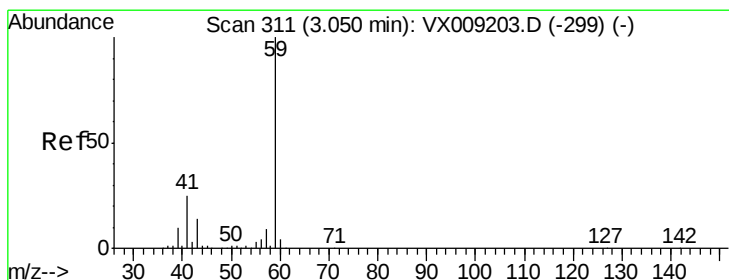
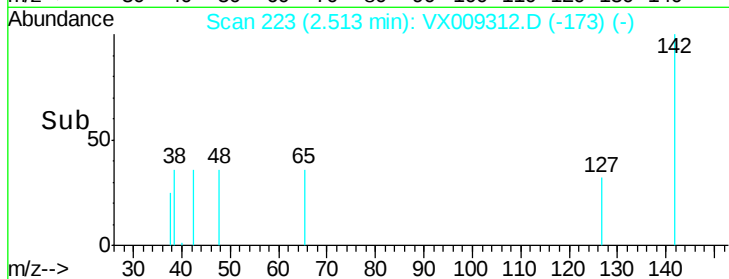
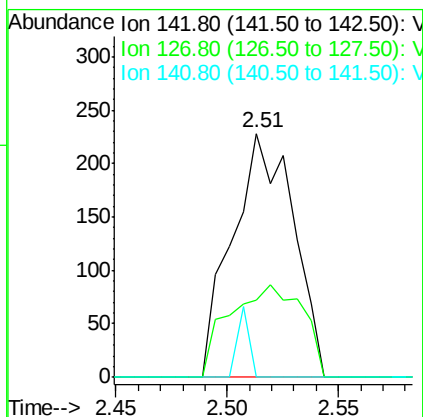
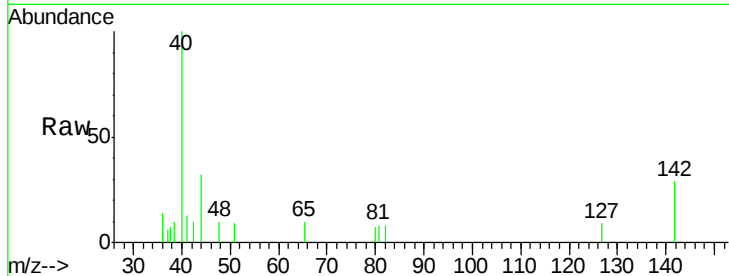




#10
Methvl Iodide
Concen: 4.781 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009312.D
Acq: 03 May 2019 16:17

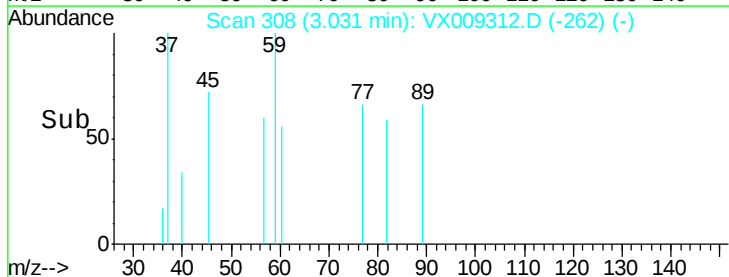
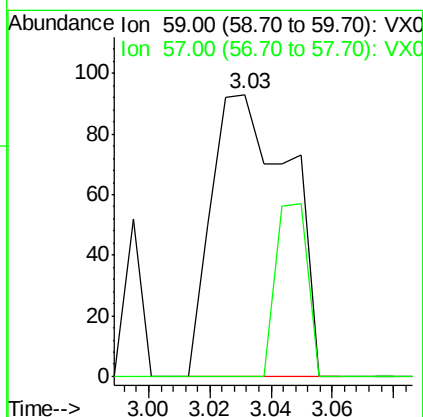
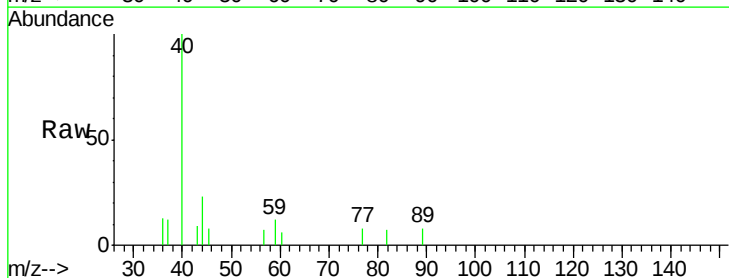
Instrument :
MSVOA_X
ClientSampleId :
SS050MW513-190430

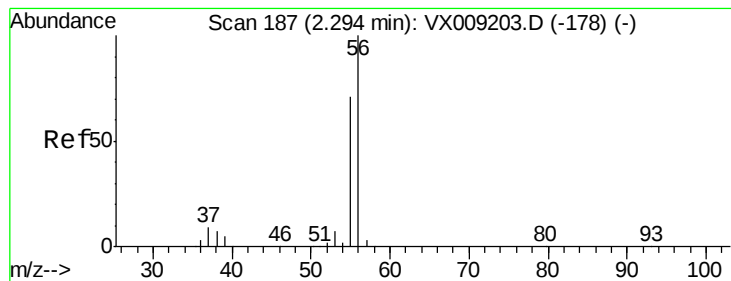
Tot Ion:142 Resp: 435
Ion Ratio Lower Upper
142 100
127 45.1 32.7 49.1
141 5.5 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.268 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009312.D
Acq: 03 May 2019 16:17

Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 25.0 8.2 12.2#





#13

Acrolein

Concen: 0.650 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

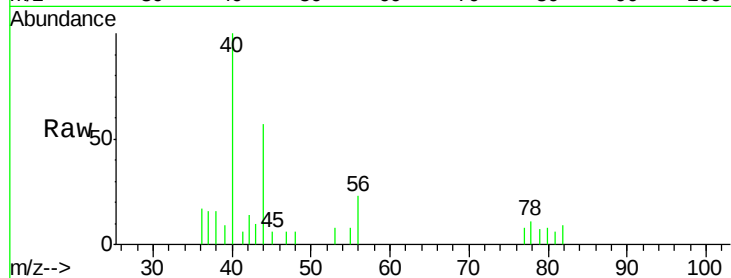
SS050MW513-190430

Tot Ion: 56 Resp: 361

Ion Ratio Lower Upper

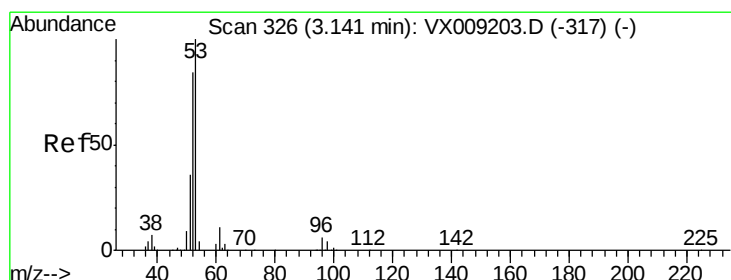
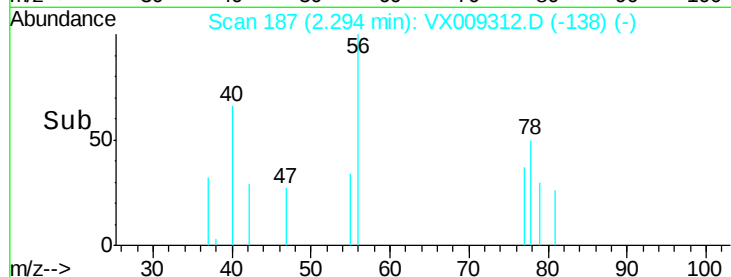
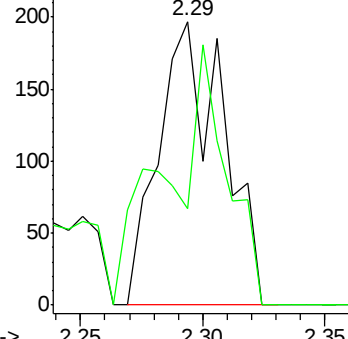
56 100

55 85.6 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.267 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

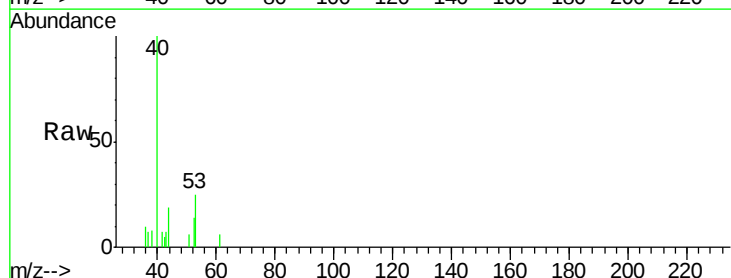
Tgt Ion: 53 Resp: 400

Ion Ratio Lower Upper

53 100

52 118.5 66.9 100.3#

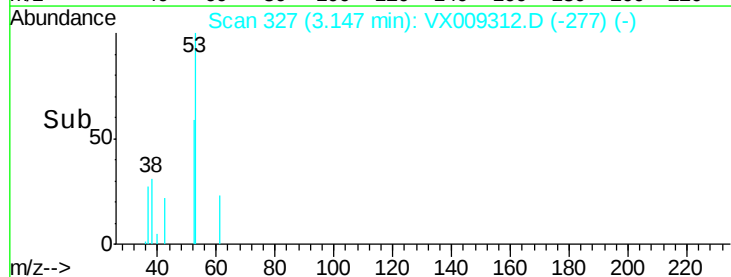
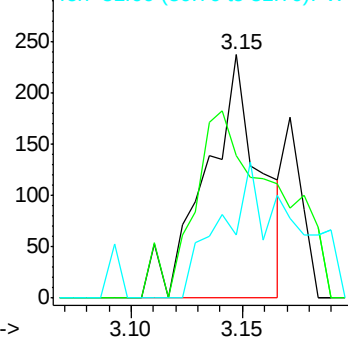
51 74.5 28.2 42.2#

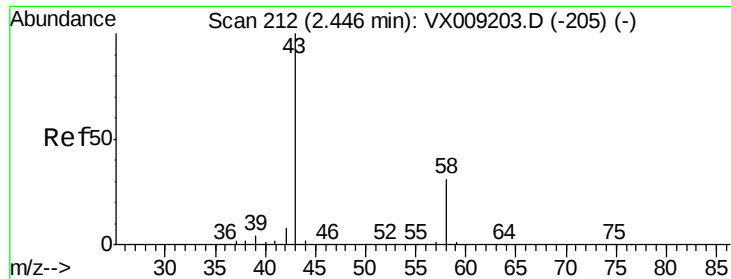


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.602 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

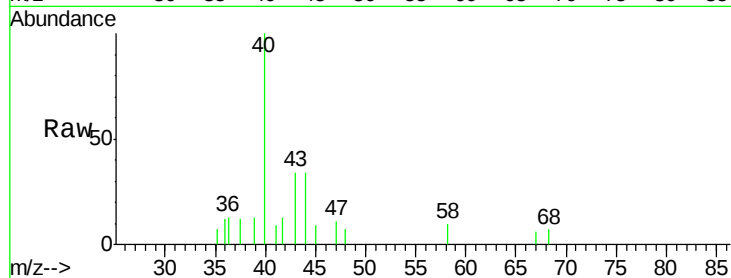
SS050MW513-190430

Tot Ion: 43 Resp: 856

Ion Ratio Lower Upper

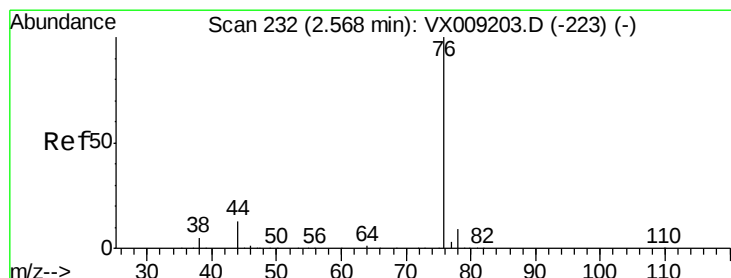
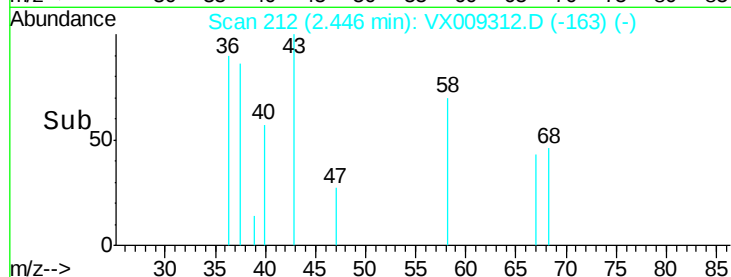
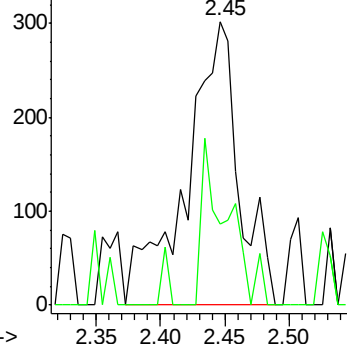
43 100

58 28.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.221 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009312.D

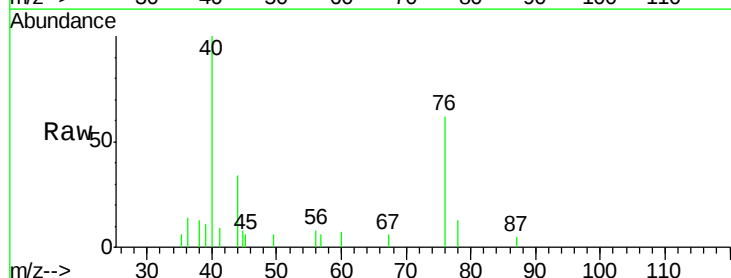
Acq: 03 May 2019 16:17

Tgt Ion: 76 Resp: 1128

Ion Ratio Lower Upper

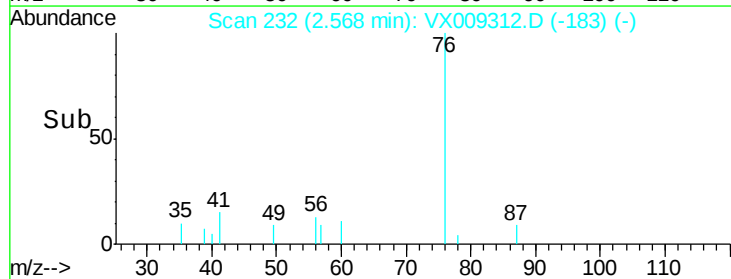
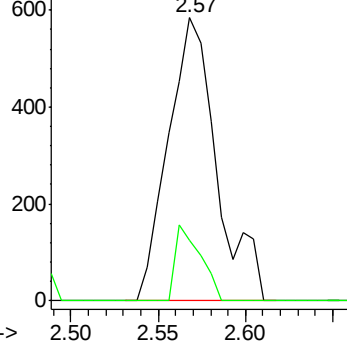
76 100

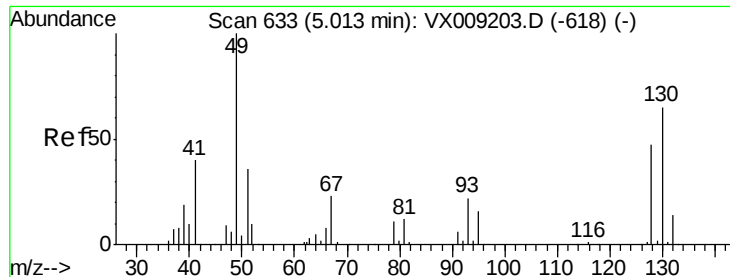
78 21.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

SS050MW513-190430

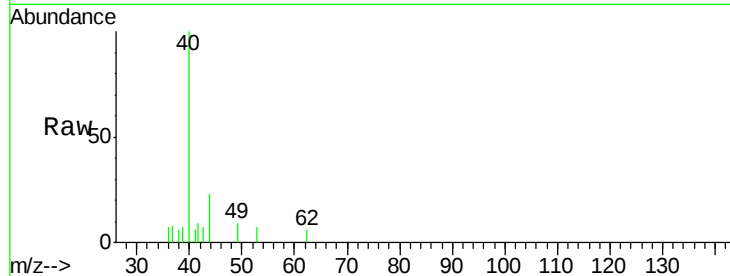
Tot Ion: 49 Resp: 100

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

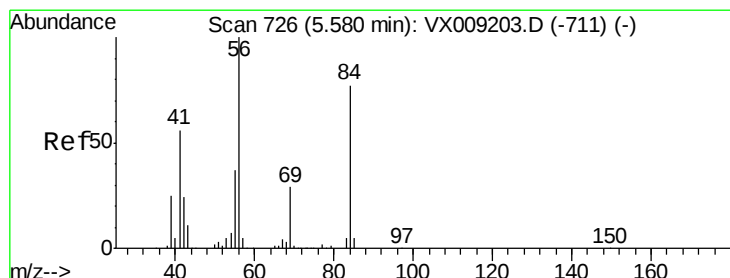
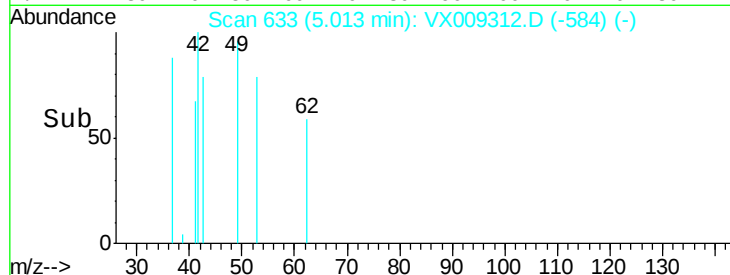
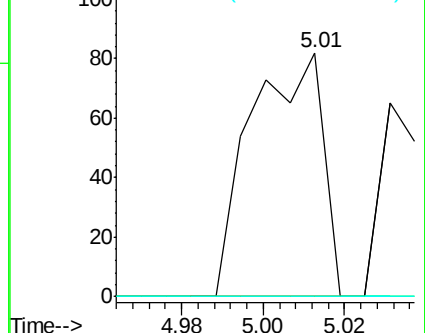
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

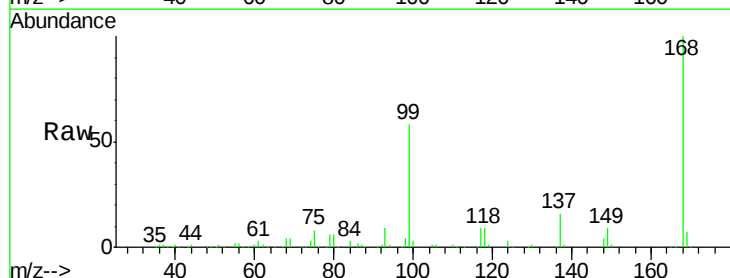
Tgt Ion: 56 Resp: 4341

Ion Ratio Lower Upper

56 100

69 170.1 23.4 35.0#

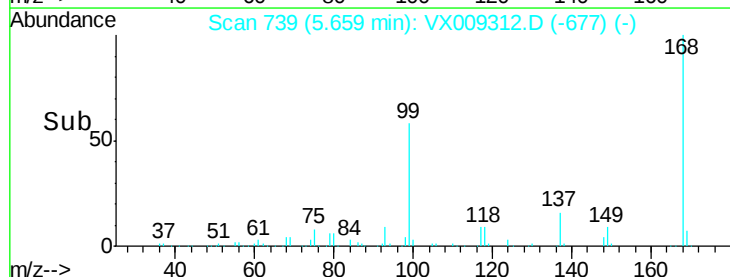
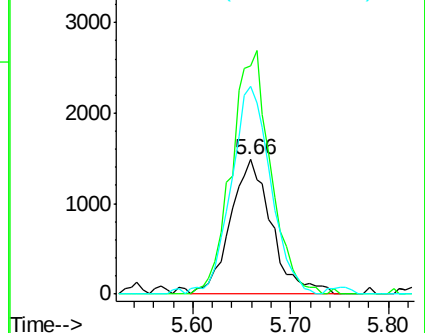
84 150.6 61.9 92.9#

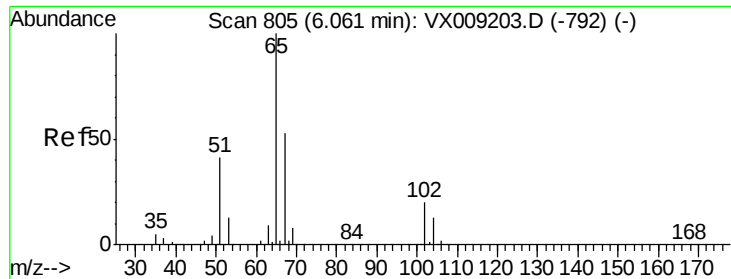


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.910 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

Instrument :

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ClientSampleId :

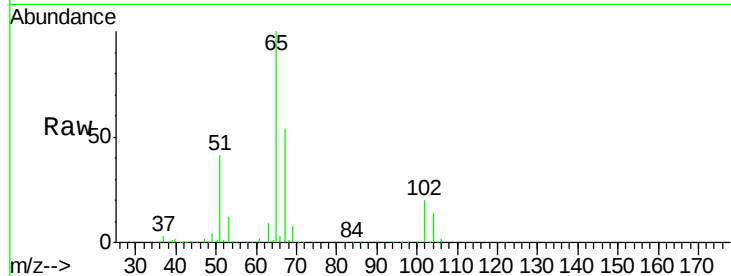
SS050MW513-190430

Tot Ion: 65 Resp: 126836

Ion Ratio Lower Upper

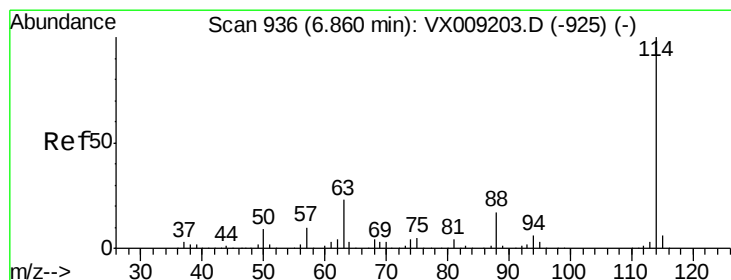
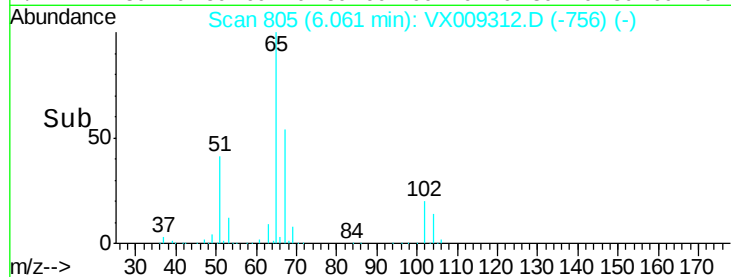
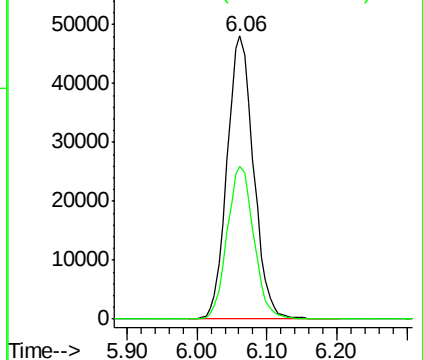
65 100

67 54.3 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: VX009312.D

Acq: 03 May 2019 16:17

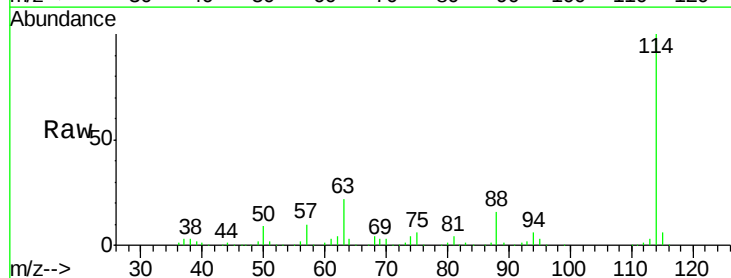
Tgt Ion: 114 Resp: 312459

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

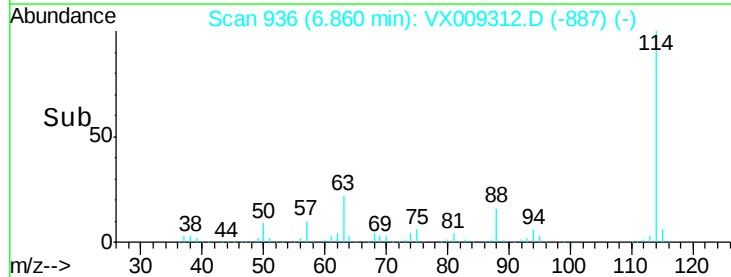
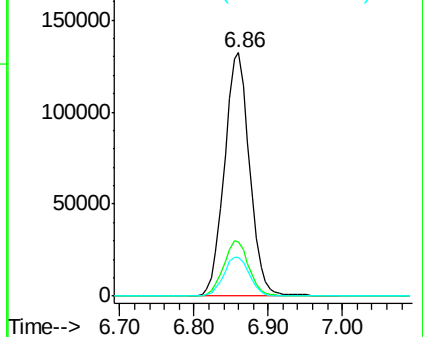
88 16.0 0.0 33.2

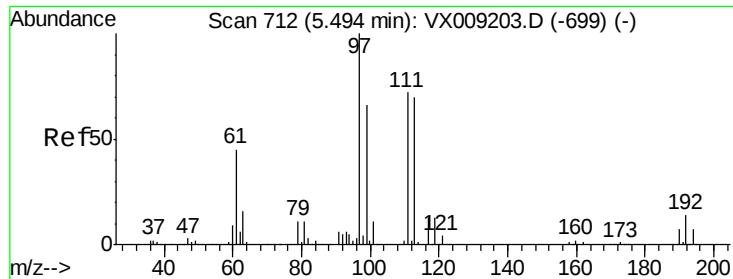


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

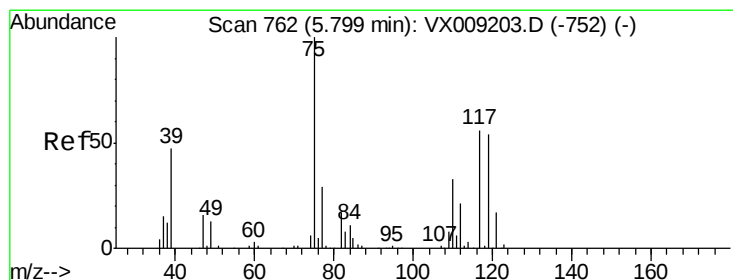
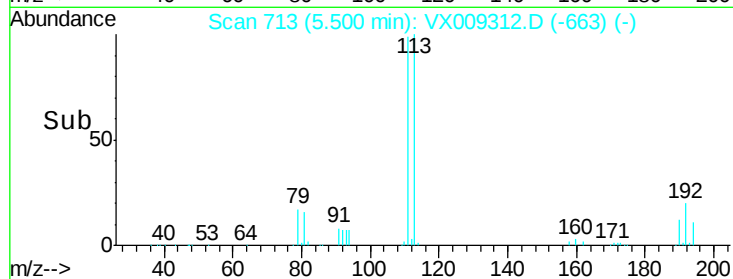
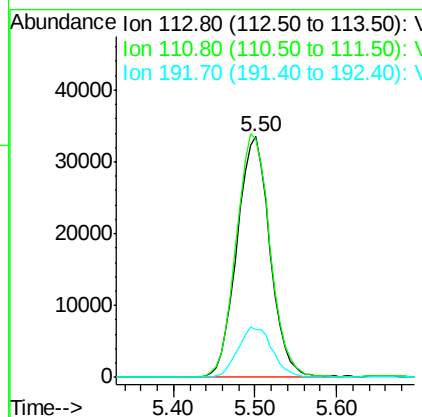
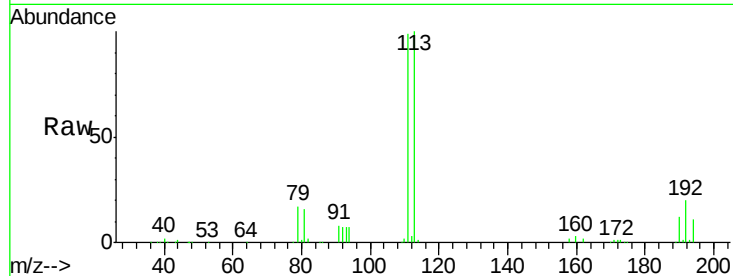




#35
Dibromofluoromethane
Concen: 47.923 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009312.D
Acq: 03 May 2019 16:17

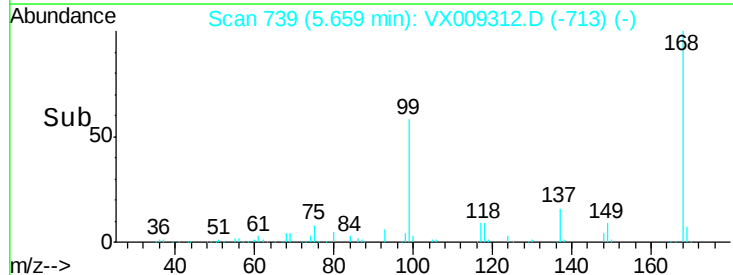
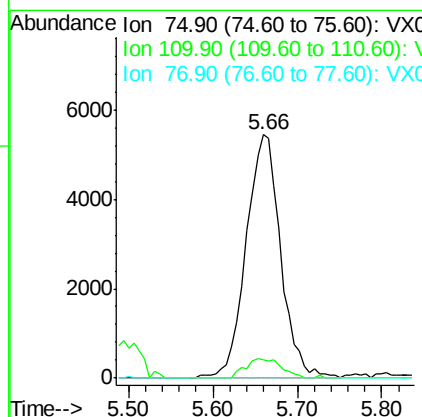
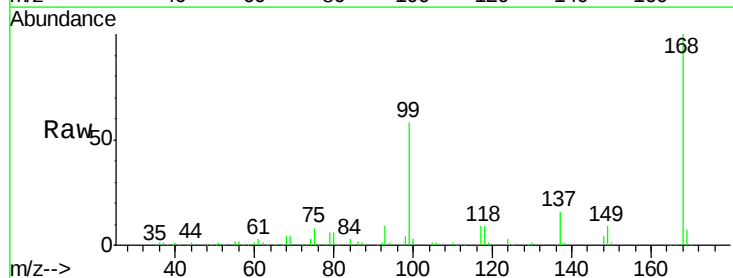
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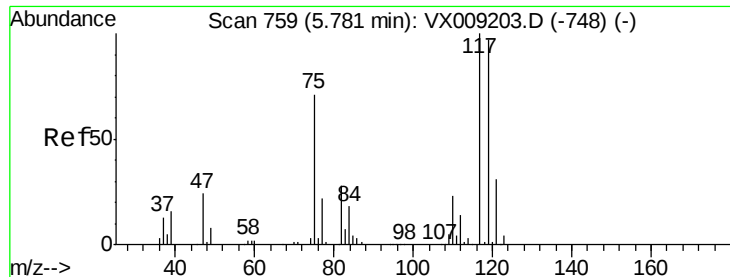
Tot Ion:113 Resp: 94132
Ion Ratio Lower Upper
113 100
111 103.8 82.8 124.2
192 21.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.205 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX009312.D
Acq: 03 May 2019 16:17

Tgt Ion: 75 Resp: 15114
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.6#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.897 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

SS050MW513-190430

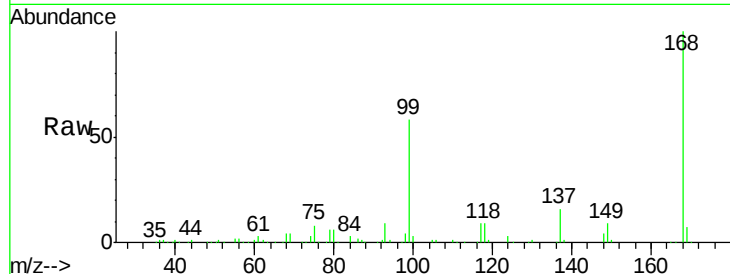
Tot Ion:117 Resp: 18197

Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

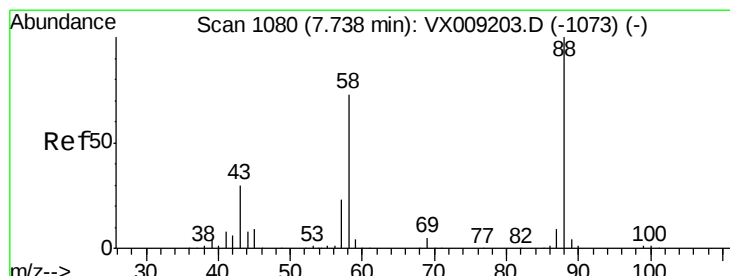
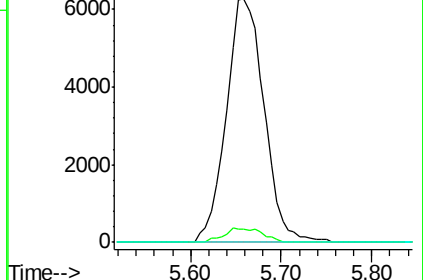
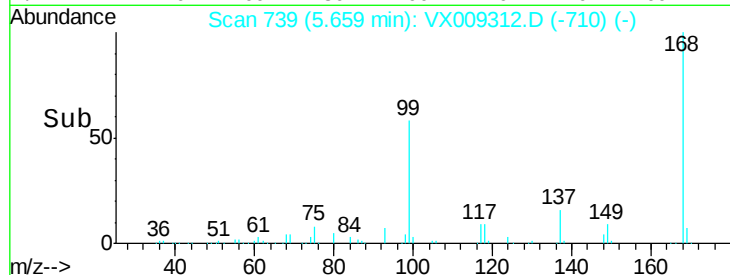
121 0.0 24.7 37.1#



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: 0.338 ug/l

RT: 7.59 min Scan# 1056

Delta R.T. -0.15 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

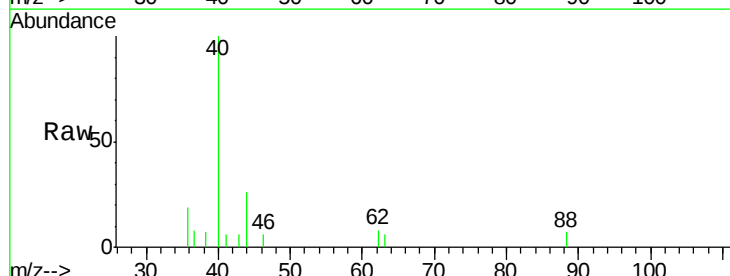
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

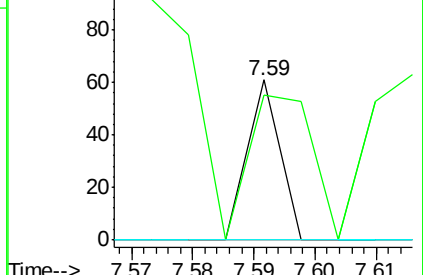
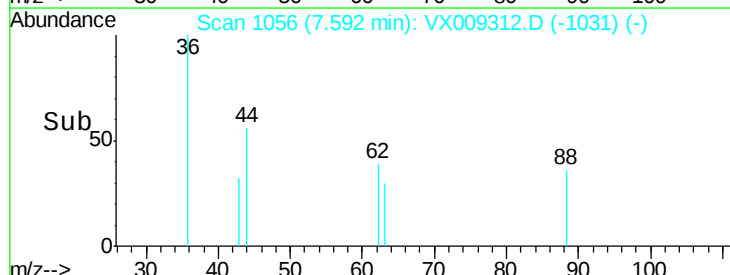
58 0.0 61.7 92.5#

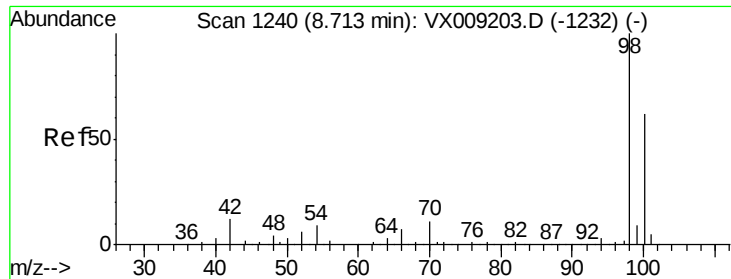


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.280 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

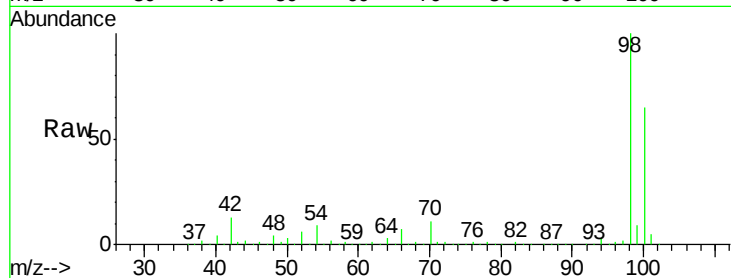
SS050MW513-190430

Tot Ion: 98 Resp: 390794

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

250000

200000

150000

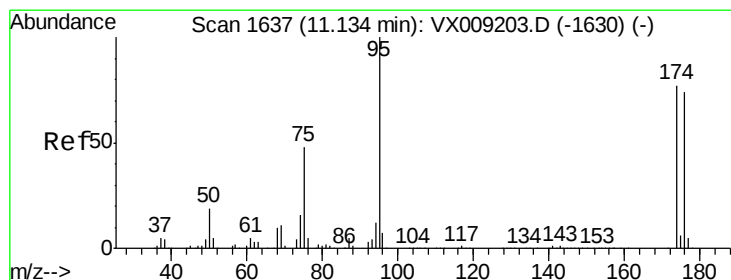
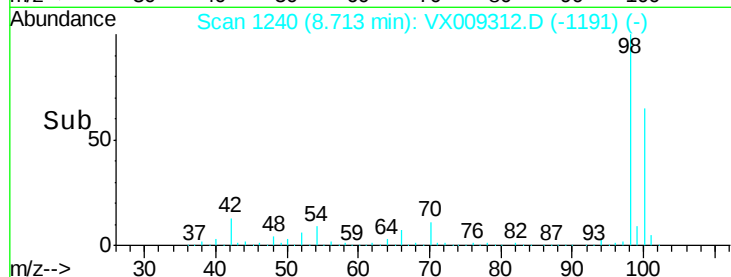
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 45.203 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

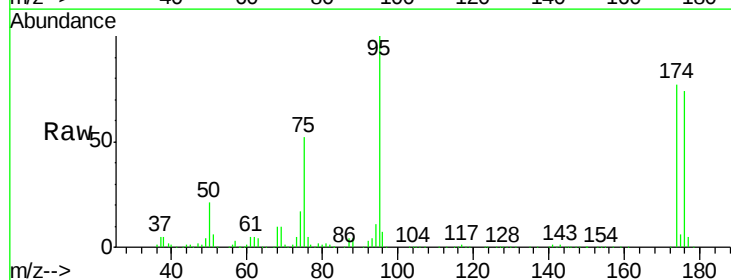
Tgt Ion: 95 Resp: 130252

Ion Ratio Lower Upper

95 100

174 81.2 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

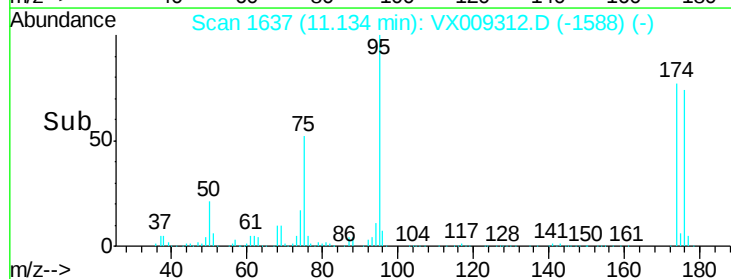
100000

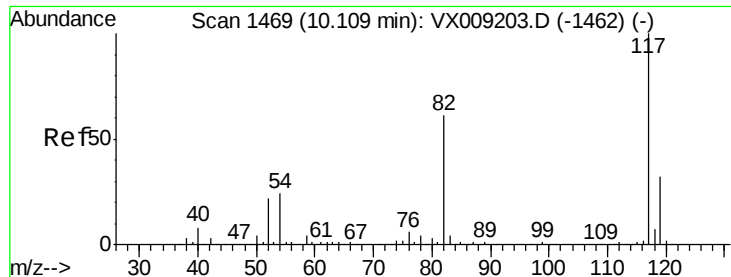
50000

0

11.10 11.20

Time-->

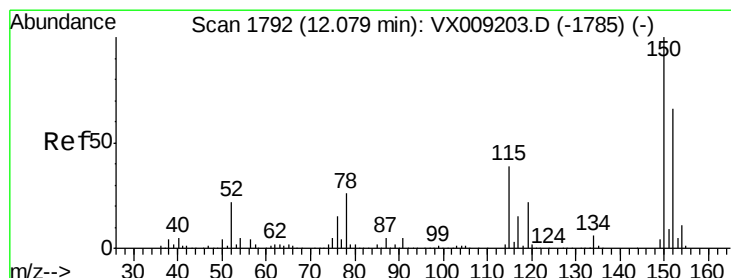
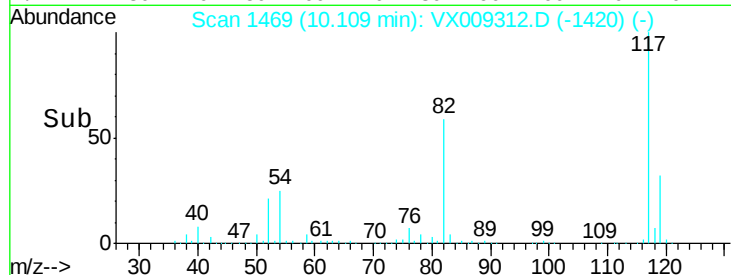
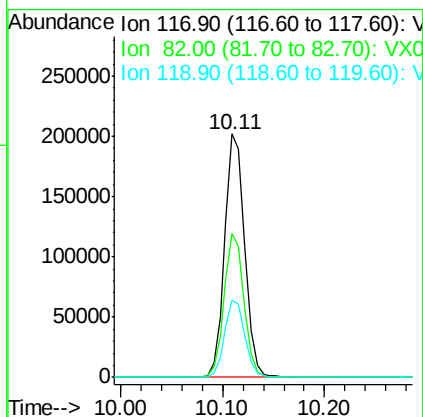
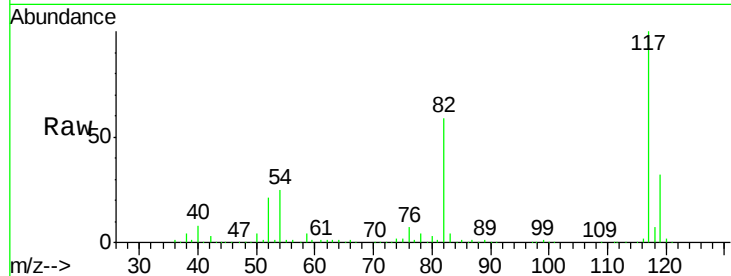




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009312.D
Acq: 03 May 2019 16:17

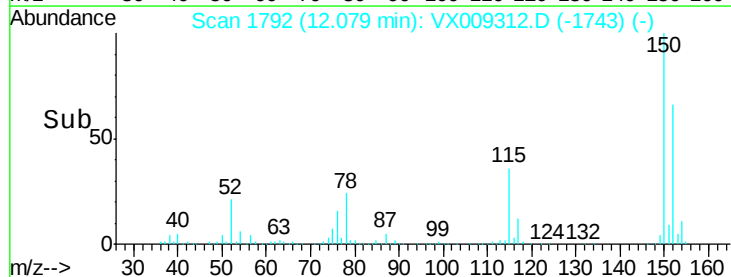
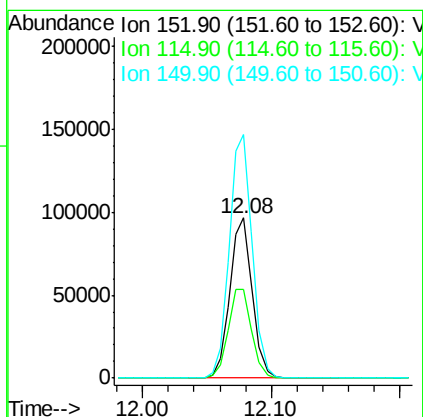
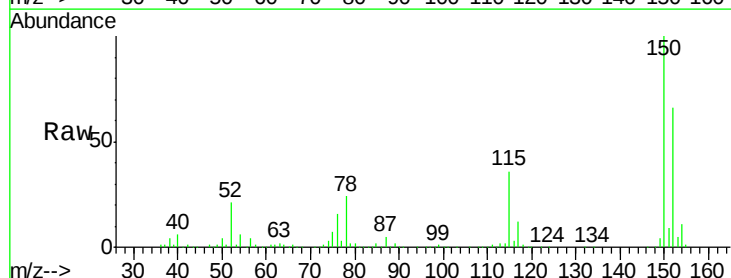
Instrument :
MSVOA_X
ClientSampleId :
SS050MW513-190430

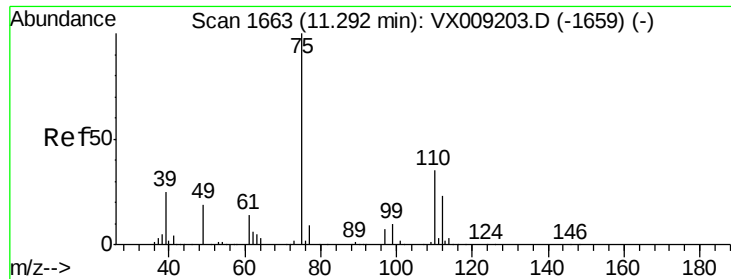
Tot Ion:117 Resp: 274361
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009312.D
Acq: 03 May 2019 16:17

Tgt Ion:152 Resp: 118123
Ion Ratio Lower Upper
152 100
115 58.2 41.2 123.6
150 155.3 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.428 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

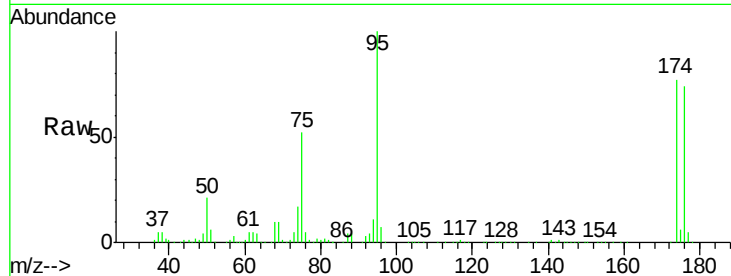
SS050MW513-190430

Tot Ion: 75 Resp: 66933

Ion Ratio Lower Upper

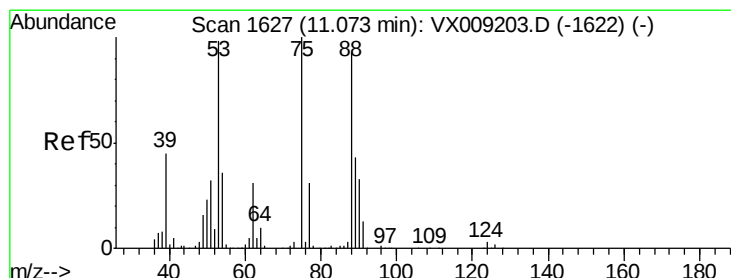
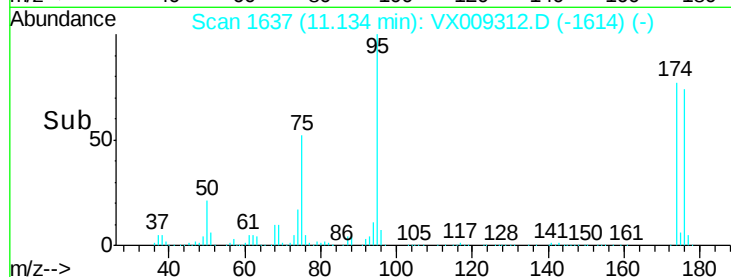
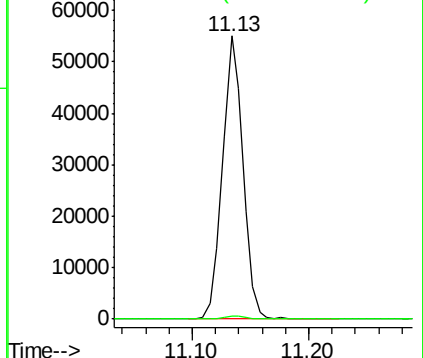
75 100

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: 62.502 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009312.D

Acq: 03 May 2019 16:17

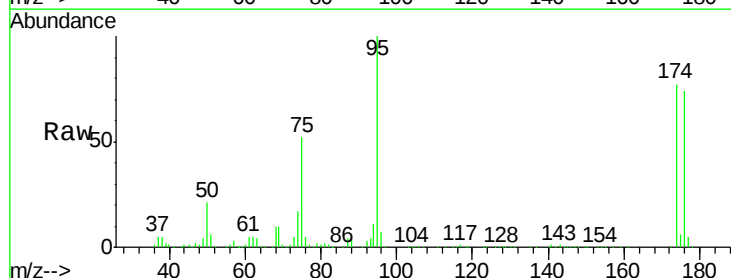
Tgt Ion: 75 Resp: 66933

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

