

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009281.D
 Acq On : 02 May 2019 18:25
 Operator : JC/SP
 Sample : K2659-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW035-190429

Quant Time: May 03 02:44:01 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

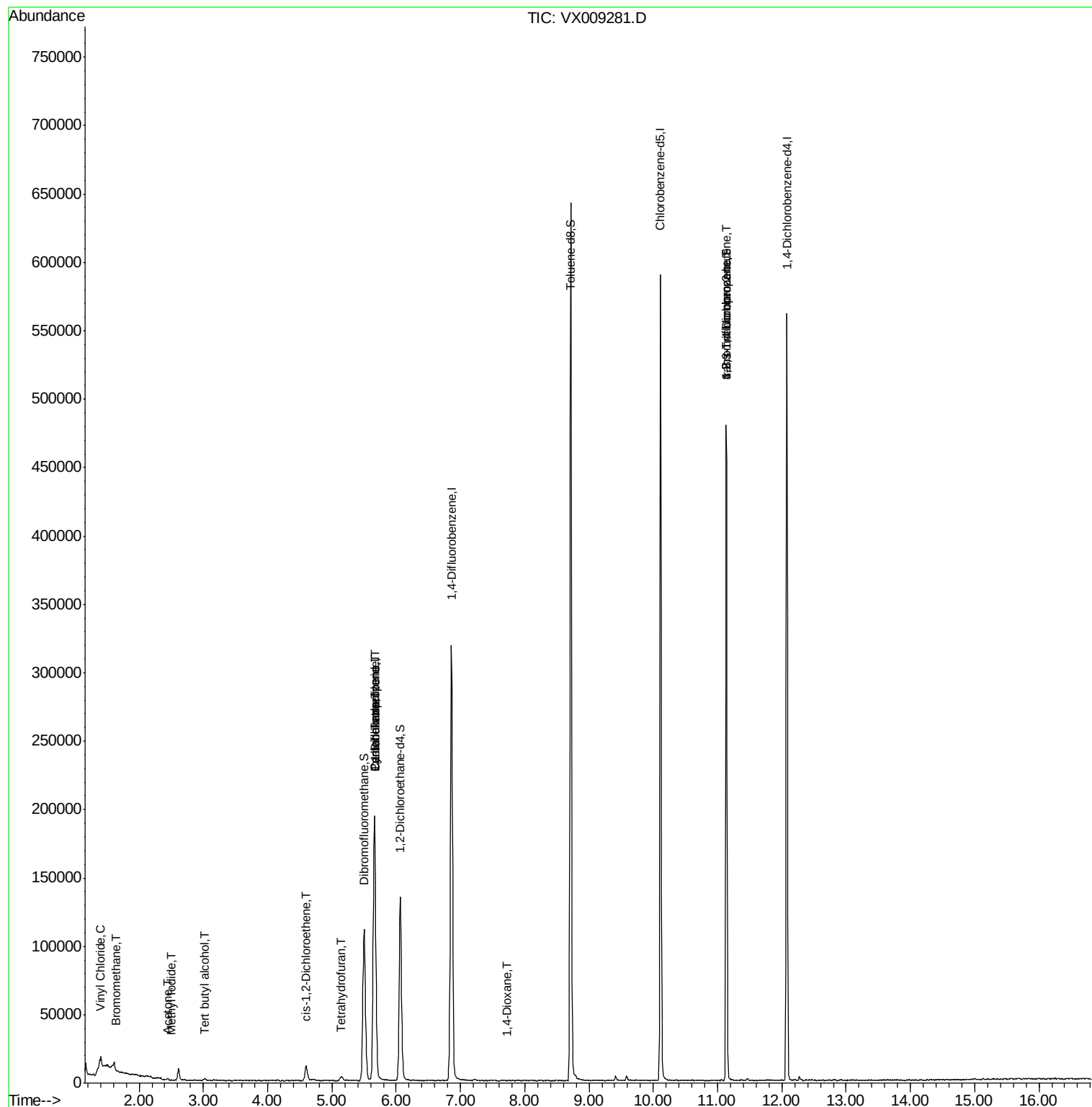
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	190669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117328	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	126306	48.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.06%	
35) Dibromofluoromethane	5.50	113	93404	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
50) Toluene-d8	8.71	98	384189	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	127159	44.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.66%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	4835	2.067	ug/l #	83
5) Bromomethane	1.65	94	307	0.219	ug/l	88
10) Methyl Iodide	2.50	142	79	4.628	ug/l #	42
11) Tert butyl alcohol	3.01	59	436	0.724	ug/l #	90
16) Acetone	2.44	43	1284	0.919	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	6324	2.731	ug/l	88
28) Bromochloromethane	4.99	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	2748	1.966	ug/l	94
31) Cyclohexane	5.67	56	4239	1.102	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14935	5.225	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17576	6.768	ug/l #	16
49) 1,4-Dioxane	7.72	88	38	0.593	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64712	23.777	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64712	60.838	ug/l #	10

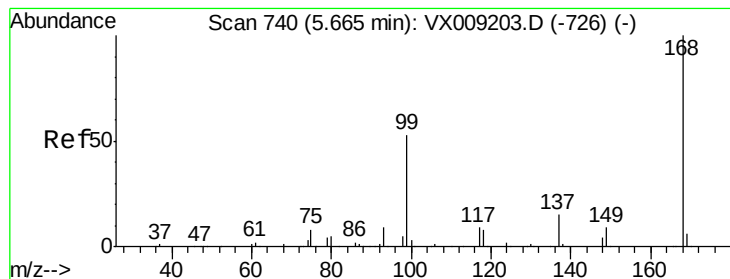
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009281.D

Acq: 02 May 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

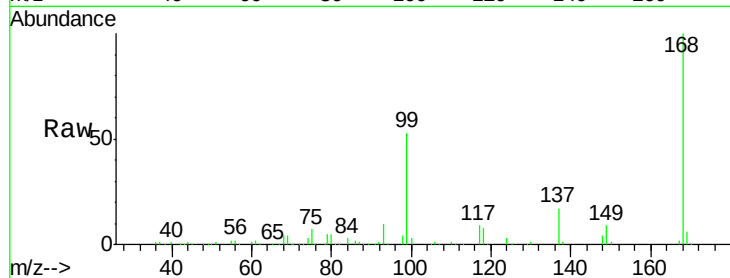
SS050MW035-190429

Tot Ion:168 Resp: 190669

Ion Ratio Lower Upper

168 100

99 53.5 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

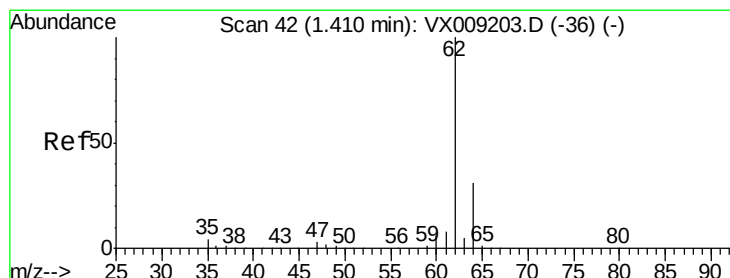
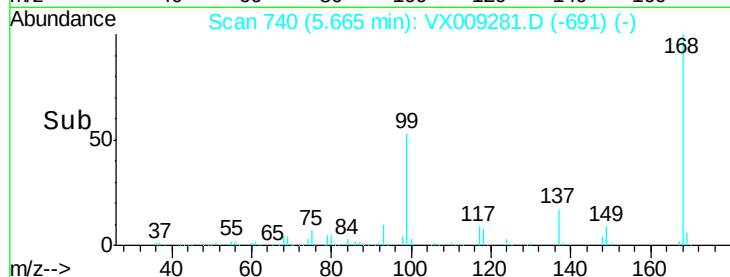
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 2.067 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009281.D

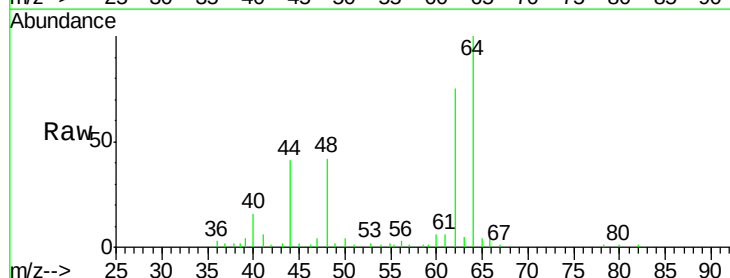
Acq: 02 May 2019 18:25

Tgt Ion: 62 Resp: 4835

Ion Ratio Lower Upper

62 100

64 39.9 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

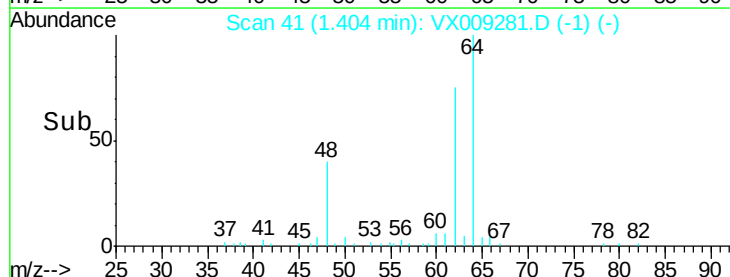
6000

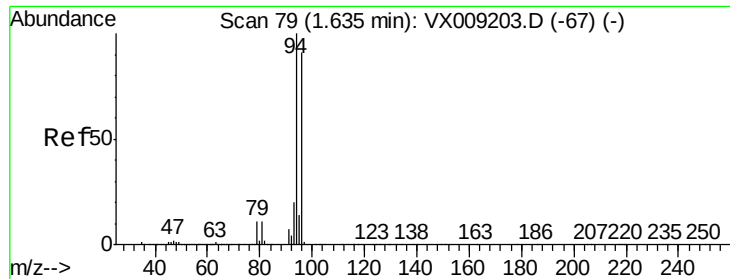
4000

2000

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.219 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009281.D

Acq: 02 May 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

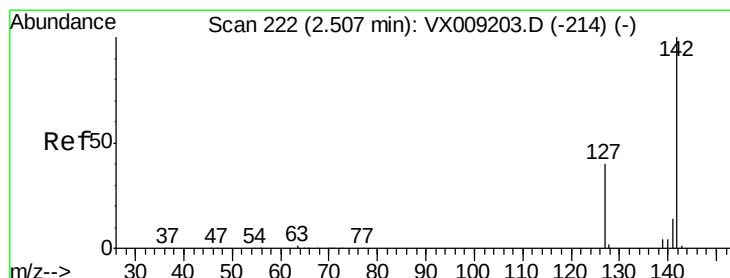
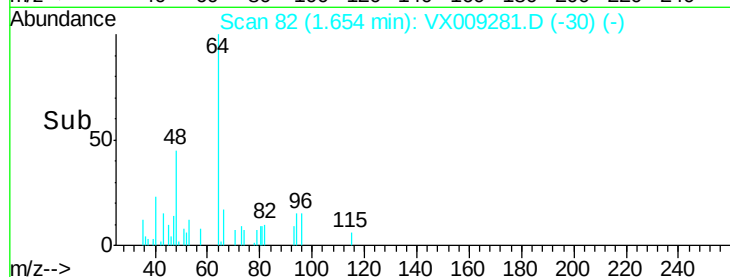
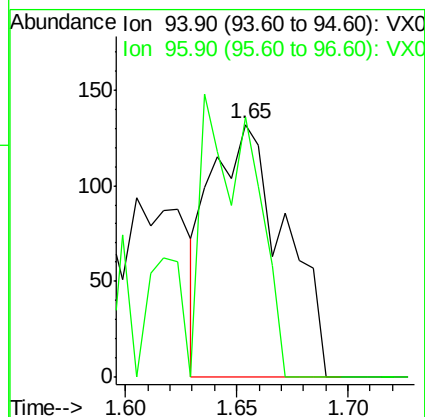
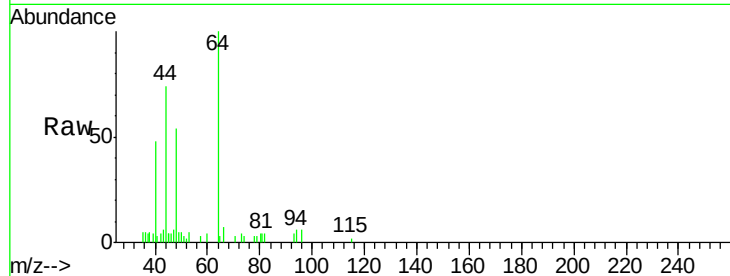
SS050MW035-190429

Tot Ion: 94 Resp: 307

Ion Ratio Lower Upper

94 100

96 103.0 73.0 109.6



#10

Methyl Iodide

Concen: 4.628 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX009281.D

Acq: 02 May 2019 18:25

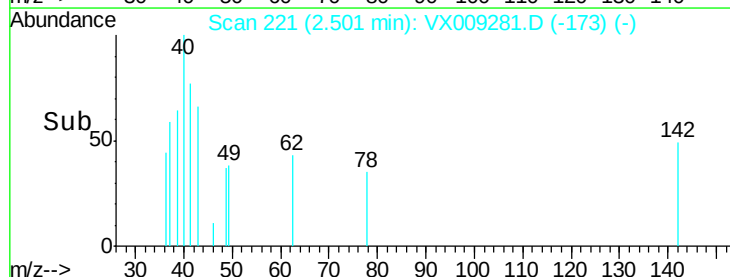
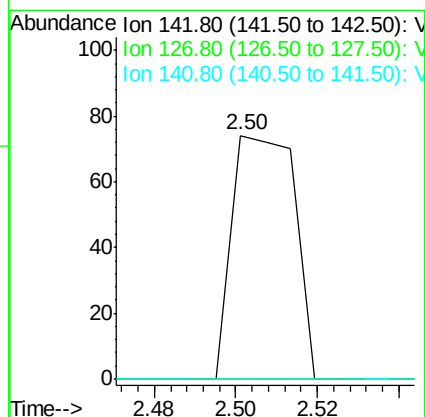
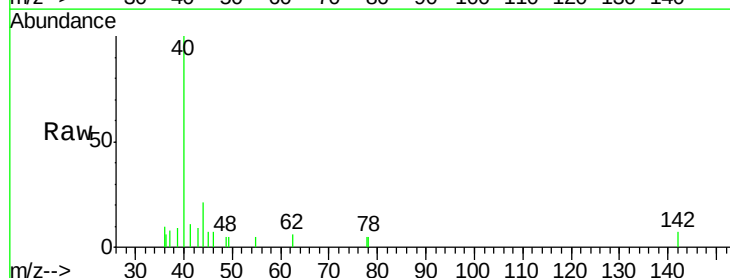
Tgt Ion: 142 Resp: 79

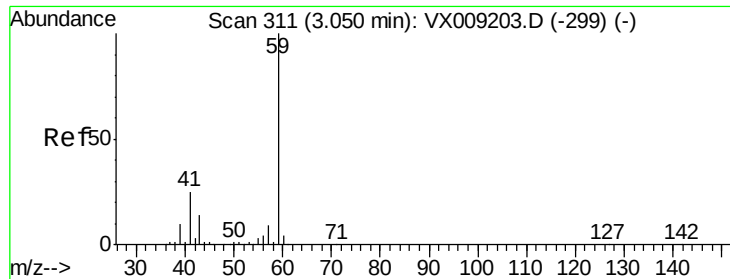
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#

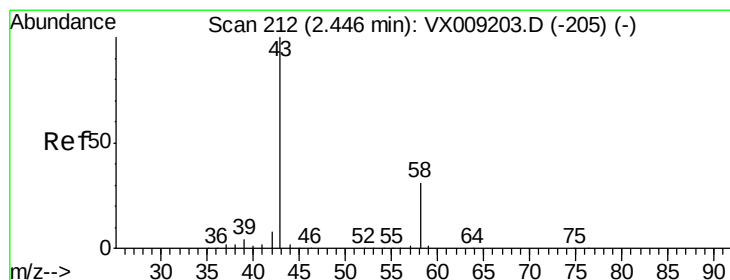
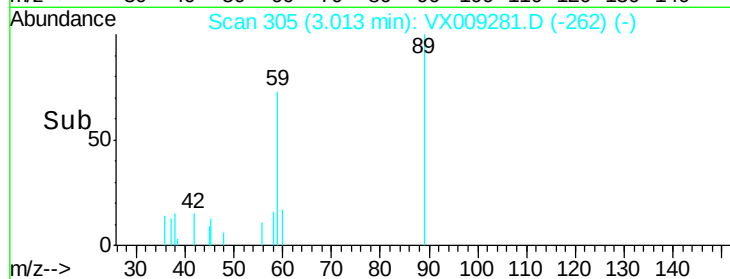
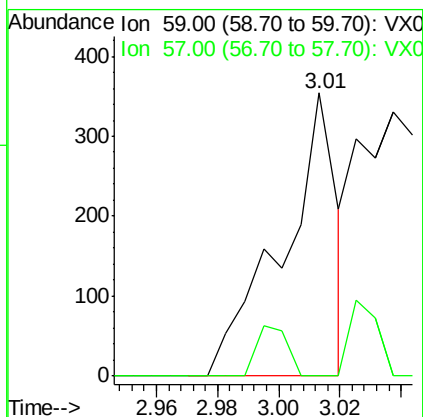
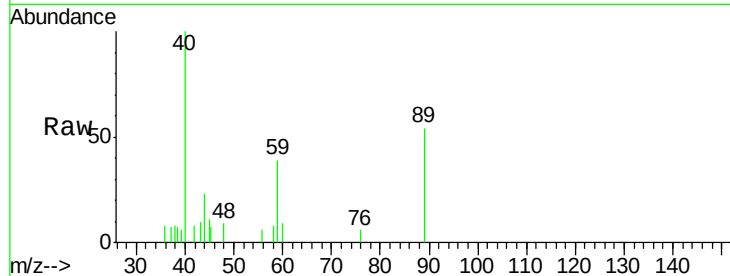




#11
Tert butyl alcohol
Concen: 0.724 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009281.D
Acq: 02 May 2019 18:25

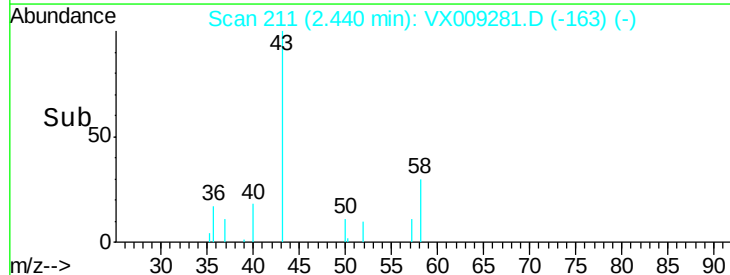
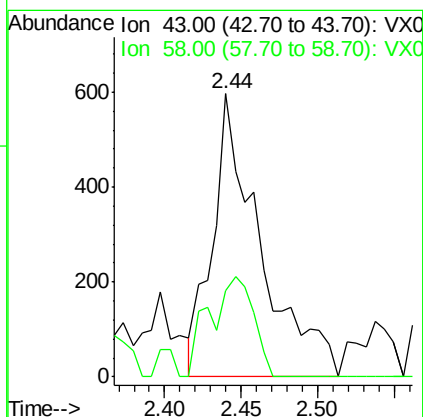
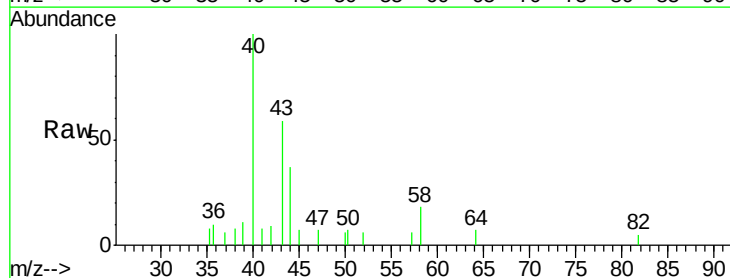
Instrument :
MSVOA_X
ClientSampleId :
SS050MW035-190429

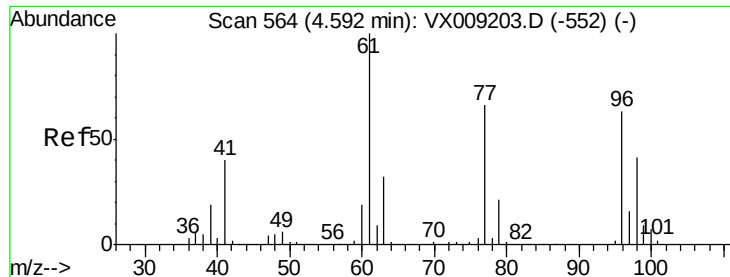
Tot Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
57 14.0 8.2 12.2#



#16
Acetone
Concen: 0.919 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009281.D
Acq: 02 May 2019 18:25

Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
58 30.3 24.9 37.3



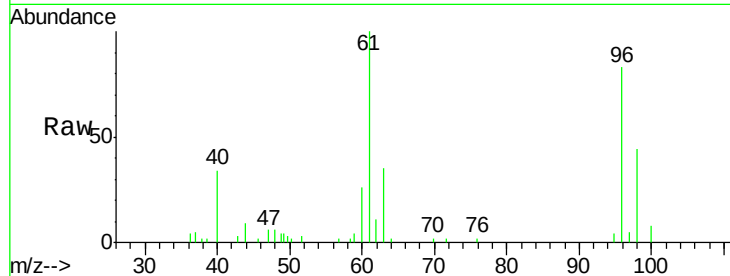


#27

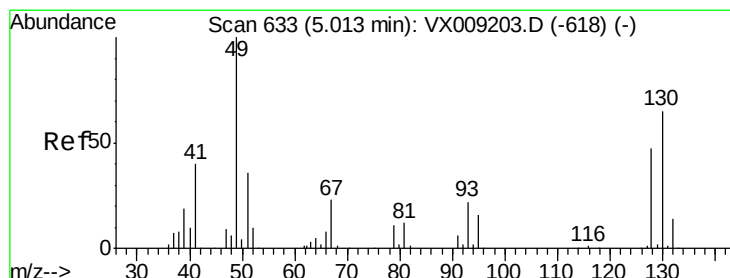
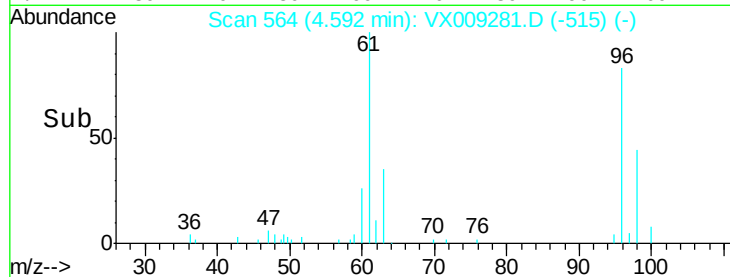
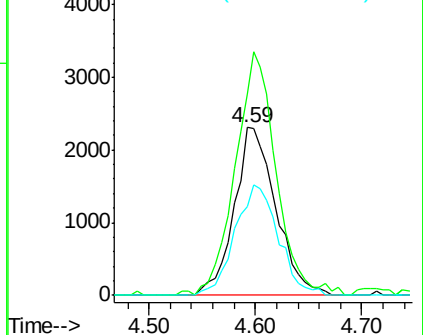
cis-1,2-Dichloroethene
 Concen: 2.731 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX009281.D
 Acq: 02 May 2019 18:25

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW035-190429

Tot Ion: 96 Resp: 6324
 Ion Ratio Lower Upper
 96 100
 61 142.4 0.0 324.0
 98 68.5 0.0 130.4



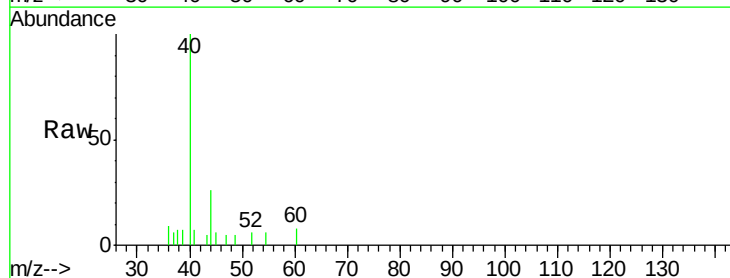
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



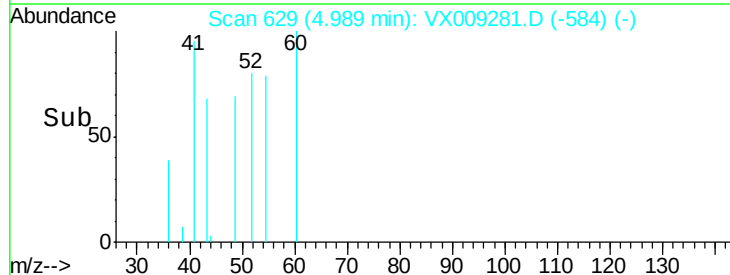
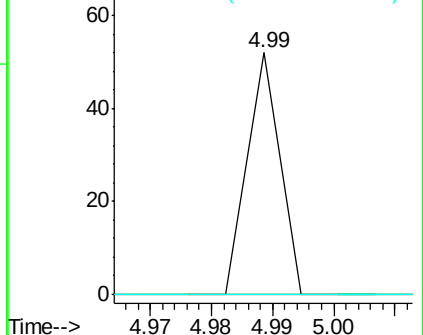
#28

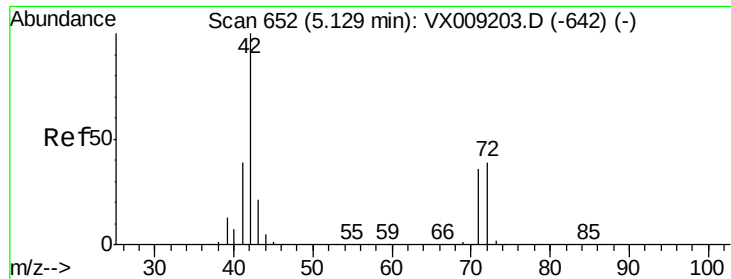
Bromochloromethane
 Concen: Below Cal
 RT: 4.99 min Scan# 629
 Delta R.T. -0.02 min
 Lab File: VX009281.D
 Acq: 02 May 2019 18:25

Tgt Ion: 49 Resp: 19
 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

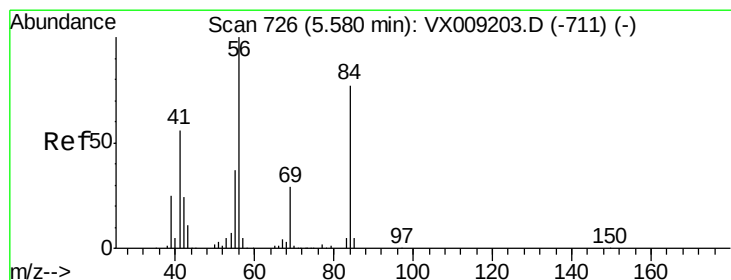
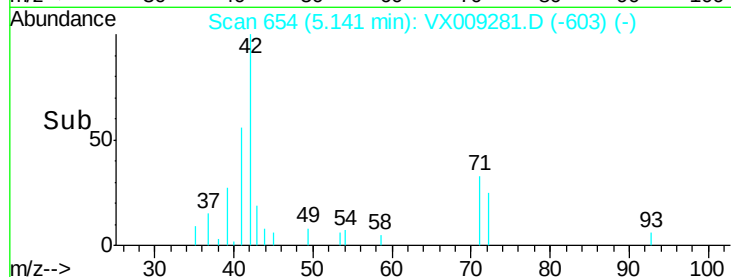
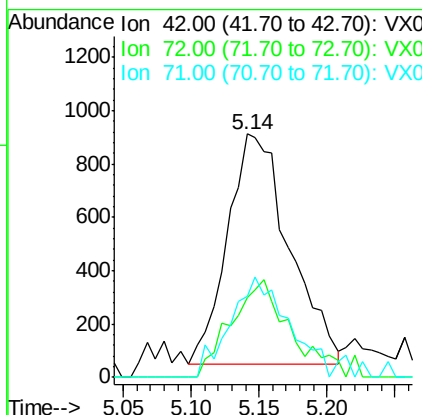
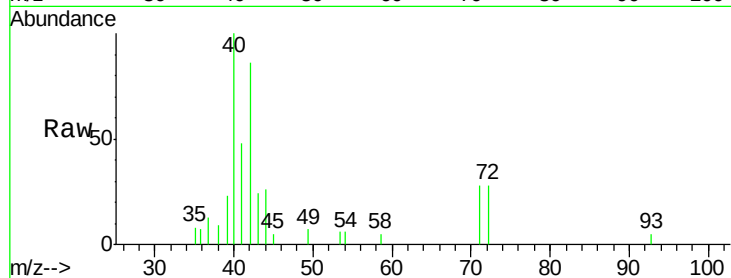




#29
Tetrahydrofuran
Concen: 1.966 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX009281.D
Acq: 02 May 2019 18:25

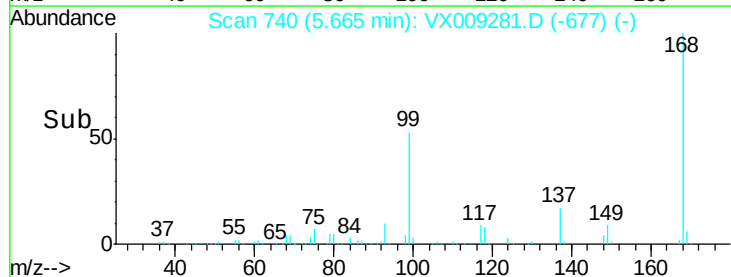
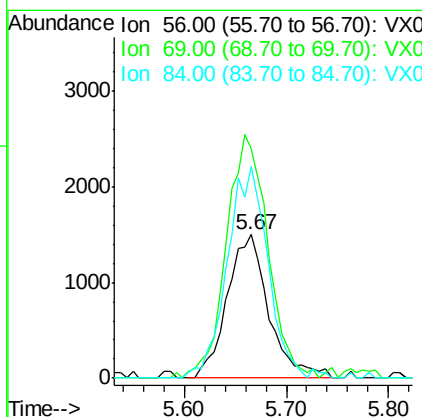
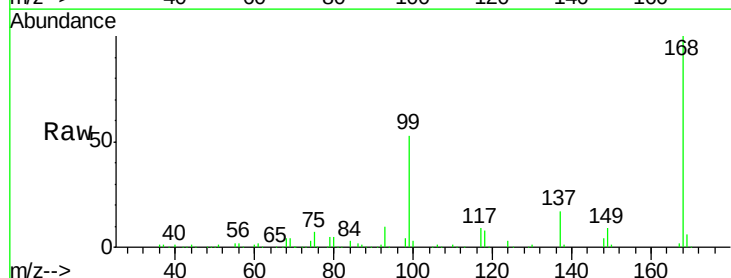
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ClientSampleId :
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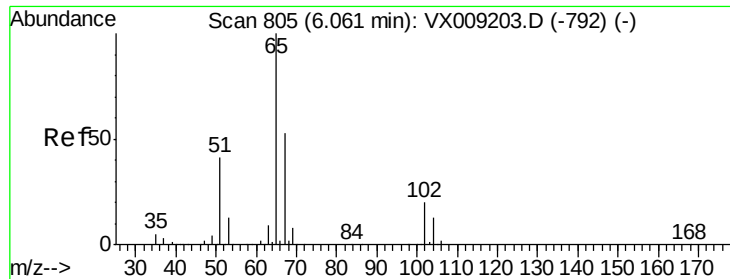
Tot Ion: 42 Resp: 2748
Ion Ratio Lower Upper
42 100
72 40.5 30.4 45.6
71 40.9 28.6 43.0



#31
Cyclohexane
Concen: 1.102 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009281.D
Acq: 02 May 2019 18:25

Tgt Ion: 56 Resp: 4239
Ion Ratio Lower Upper
56 100
69 159.9 23.4 35.0#
84 147.4 61.9 92.9#

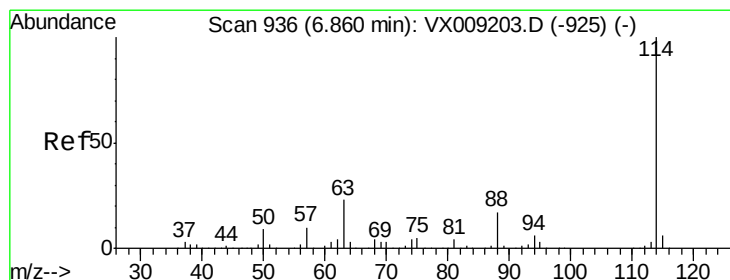
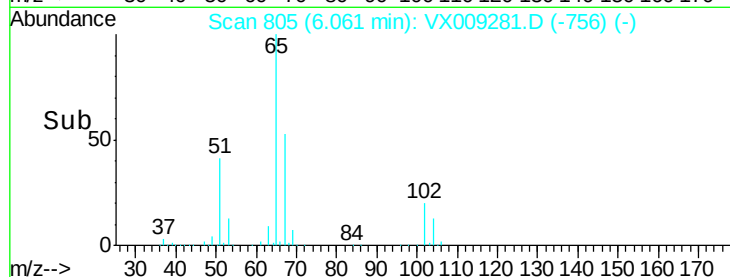
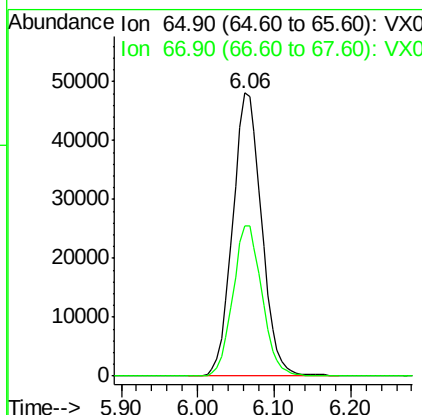
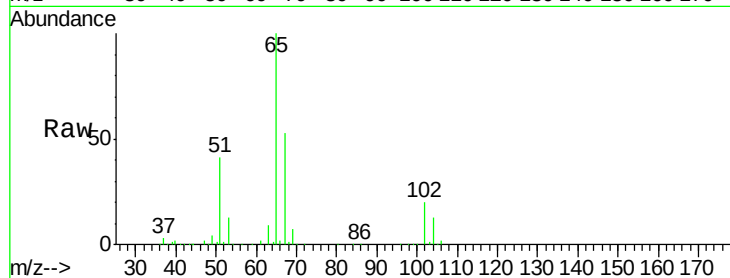




#33
 1,2-Dichloroethane-d4
 Concen: 48.526 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009281.D
 Acq: 02 May 2019 18:25

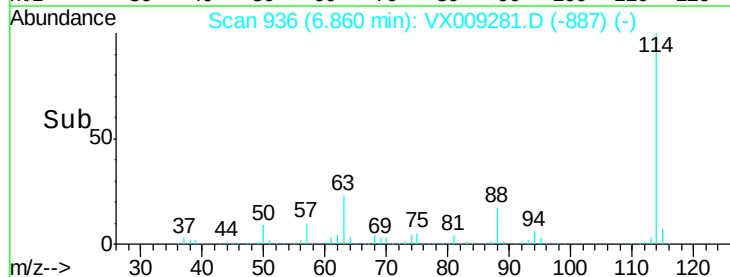
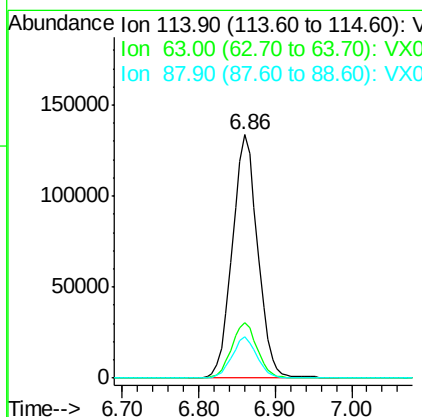
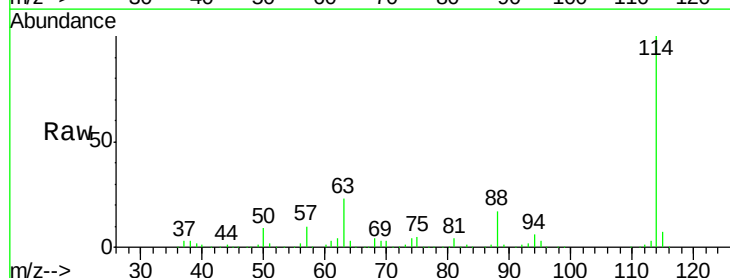
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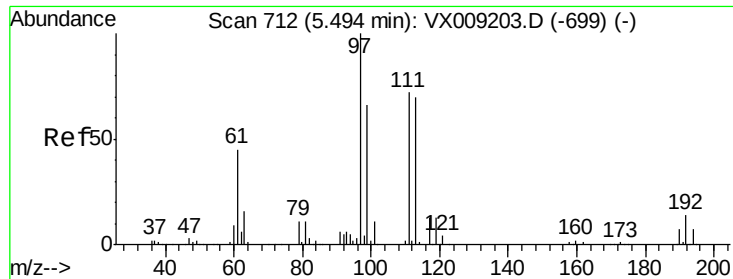
Tot Ion: 65 Resp: 126306
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009281.D
 Acq: 02 May 2019 18:25

Tgt Ion: 114 Resp: 307566
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.9 0.0 33.2

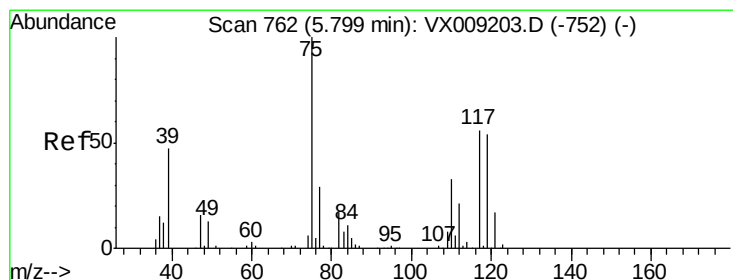
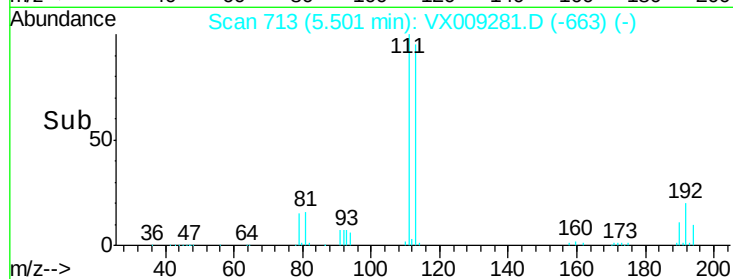
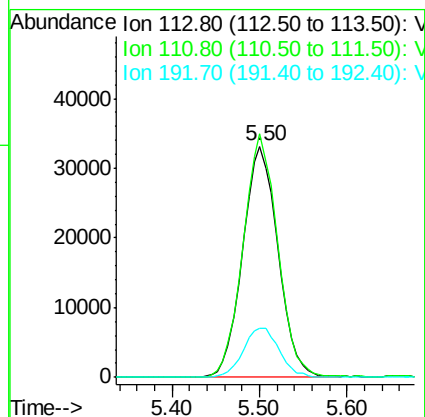
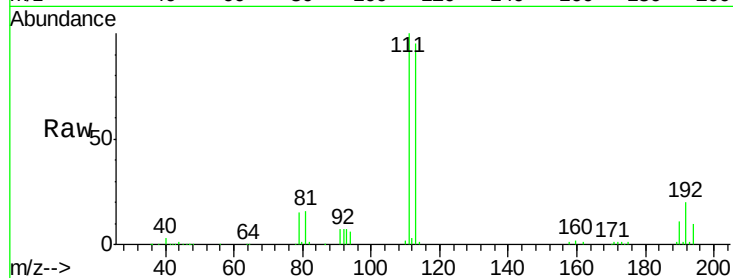




#35
 Dibromofluoromethane
 Concen: 48.309 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009281.D
 Acq: 02 May 2019 18:25

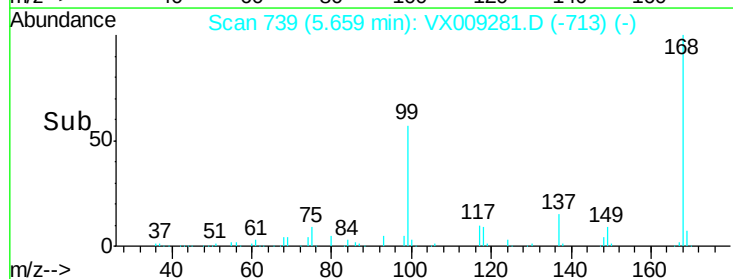
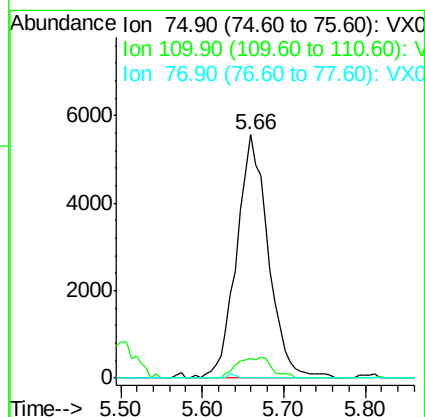
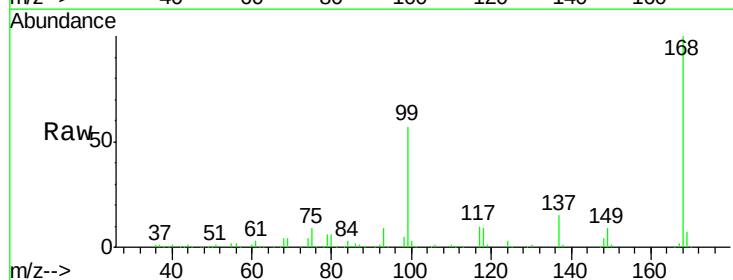
Instrument :
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 SS050MW035-190429

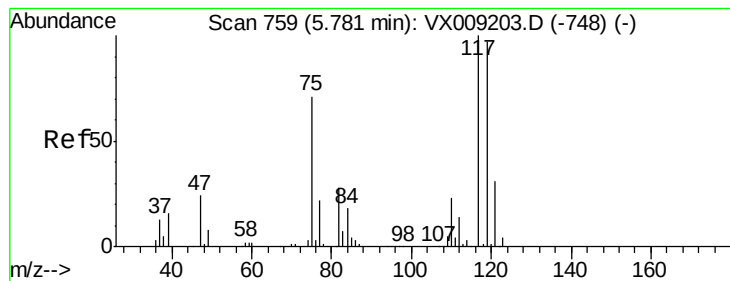
Tot Ion:113 Resp: 93404
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.225 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009281.D
 Acq: 02 May 2019 18:25

Tgt Ion: 75 Resp: 14935
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.768 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009281.D

Acq: 02 May 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-190429

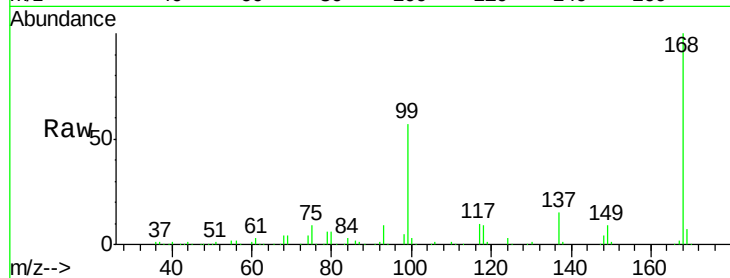
Tot Ion:117 Resp: 17576

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

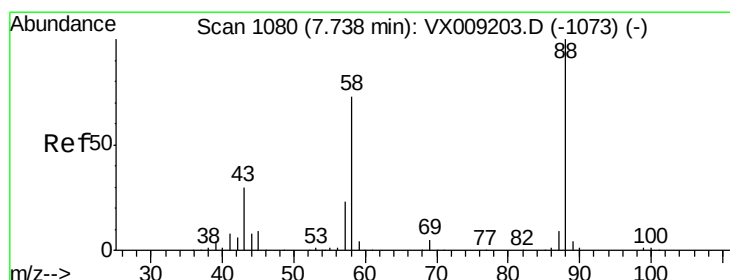
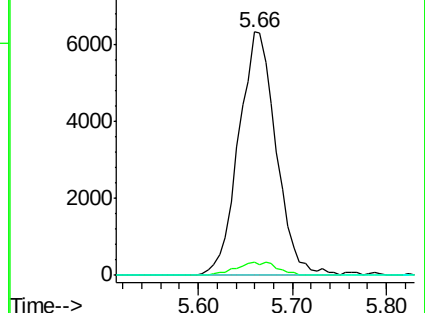
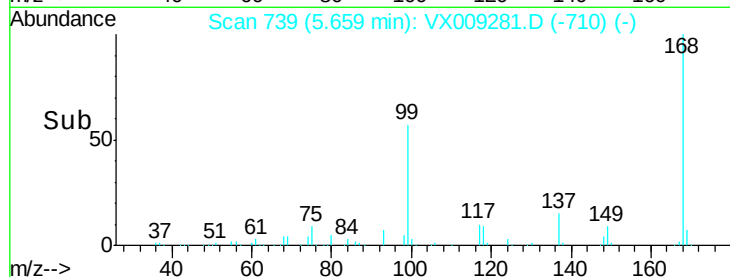
121 0.0 24.7 37.1#



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: 0.593 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX009281.D

Acq: 02 May 2019 18:25

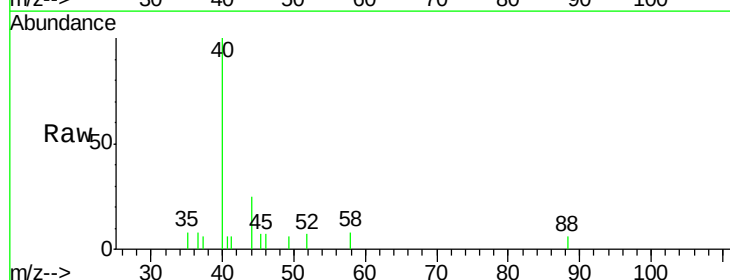
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 321.1 28.6 42.8#

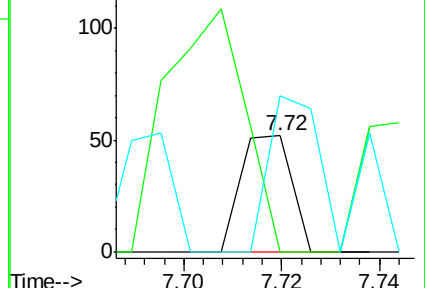
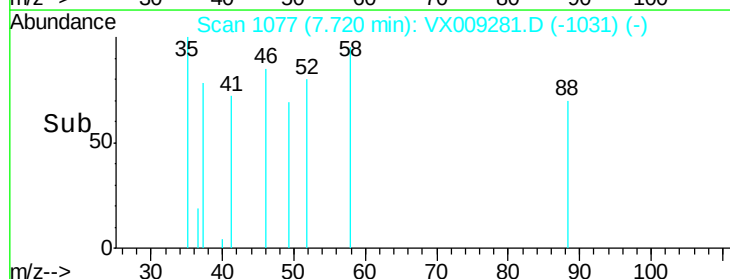
58 178.9 61.7 92.5#

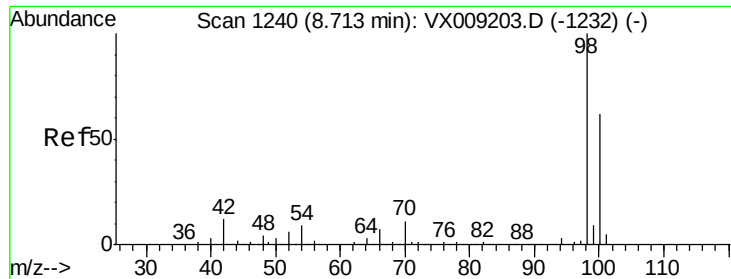


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.217 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009281.D

Acq: 02 May 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

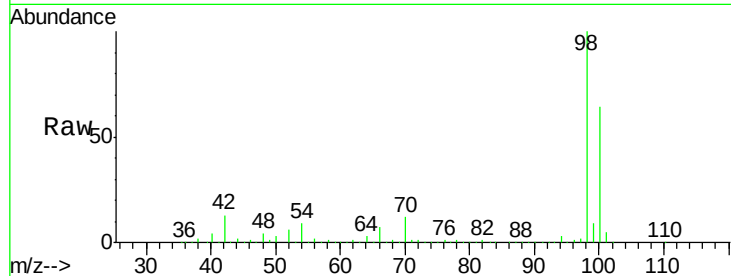
SS050MW035-190429

Tot Ion: 98 Resp: 384189

Ion Ratio Lower Upper

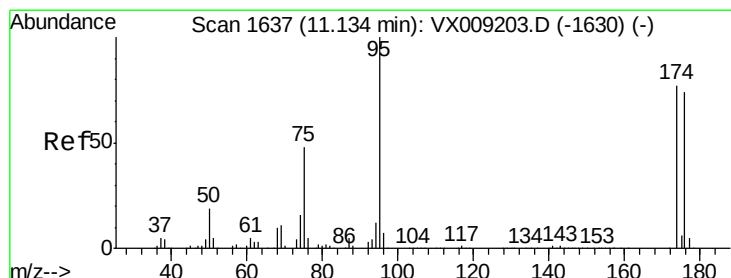
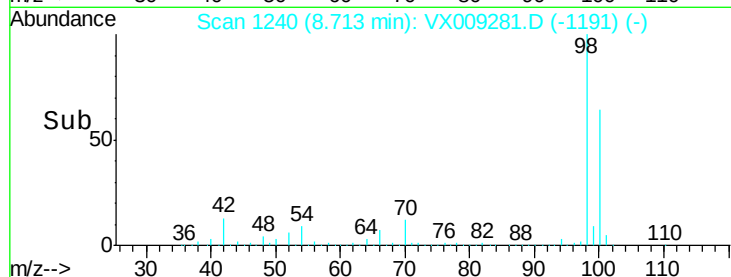
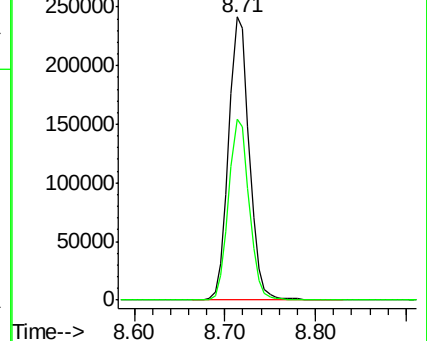
98 100

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): VX



#62

4-Bromofluorobenzene

Concen: 44.831 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009281.D

Acq: 02 May 2019 18:25

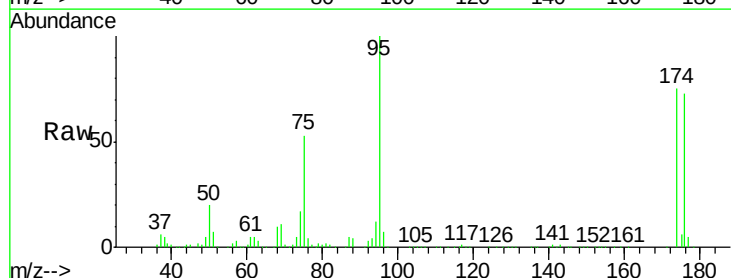
Tgt Ion: 95 Resp: 127159

Ion Ratio Lower Upper

95 100

174 81.3 0.0 161.6

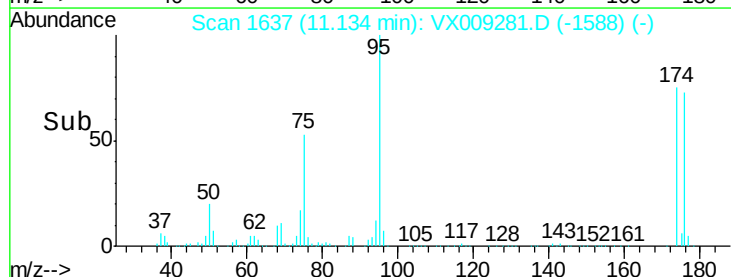
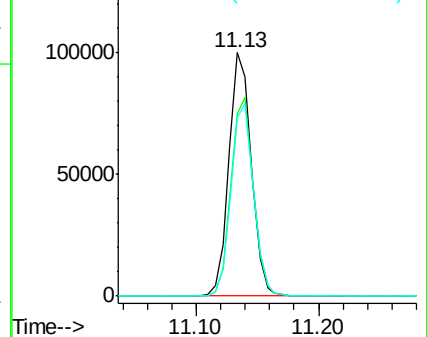
176 78.9 0.0 159.2

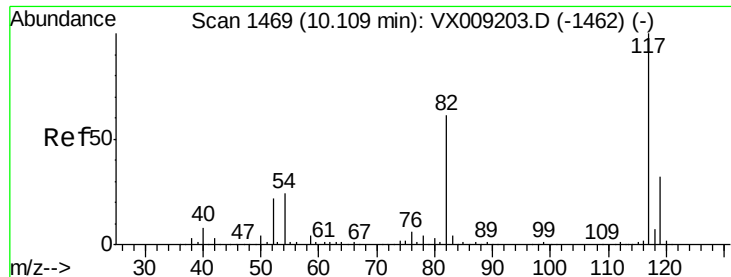


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

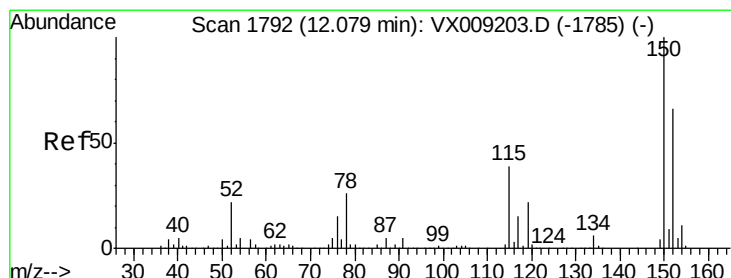
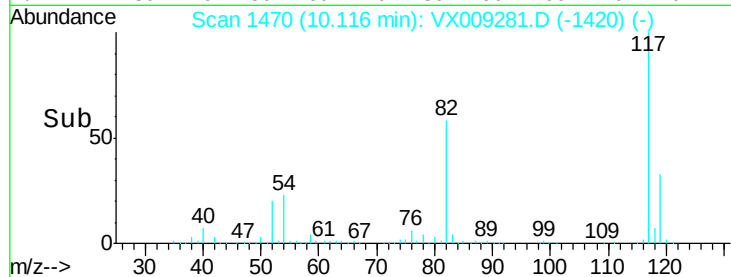
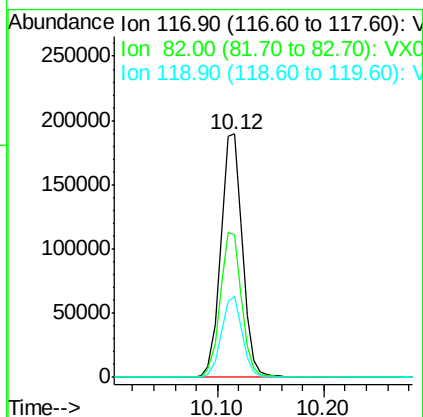
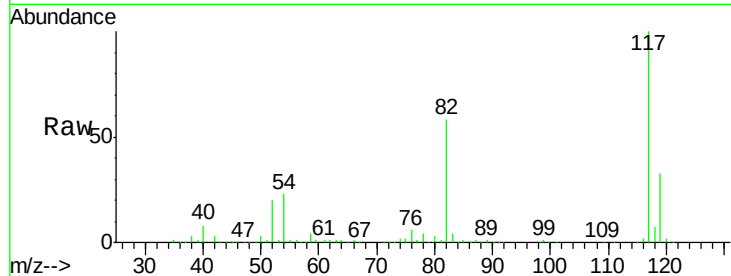




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009281.D
Acq: 02 May 2019 18:25

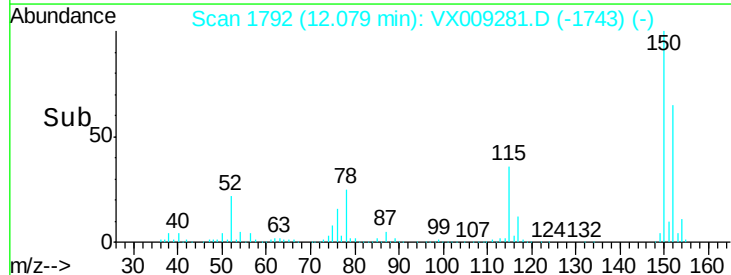
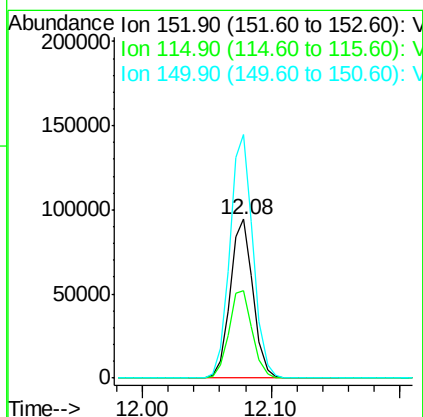
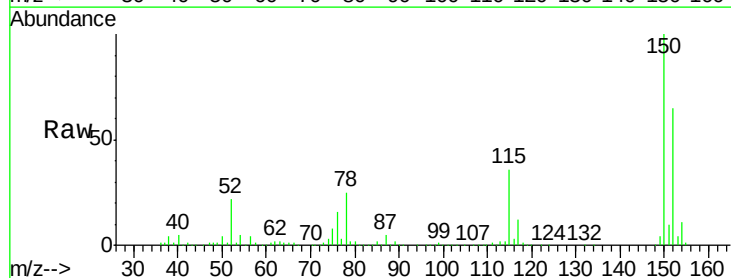
Instrument :
MSVOA_X
ClientSampleId :
SS050MW035-190429

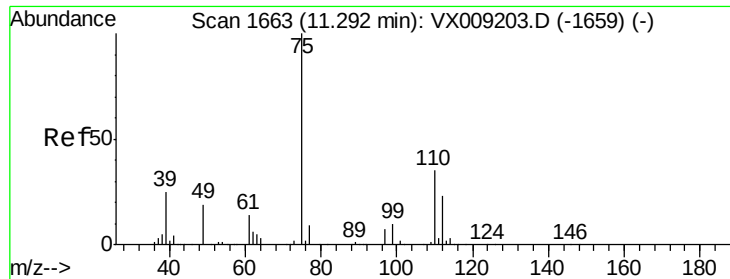
Tot Ion:117 Resp: 269001
Ion Ratio Lower Upper
117 100
82 58.4 48.8 73.2
119 33.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009281.D
Acq: 02 May 2019 18:25

Tgt Ion:152 Resp: 117328
Ion Ratio Lower Upper
152 100
115 56.8 41.2 123.6
150 155.4 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.777 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009281.D

Acq: 02 May 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

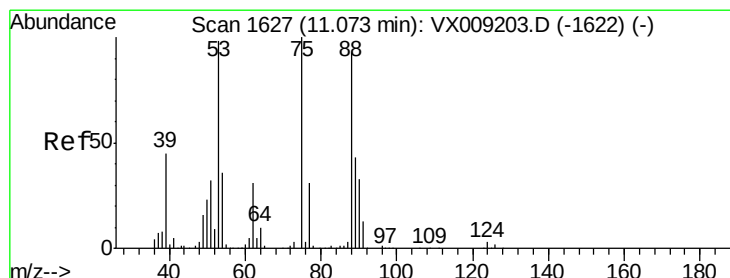
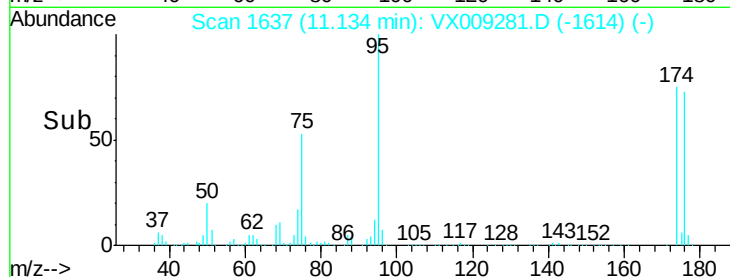
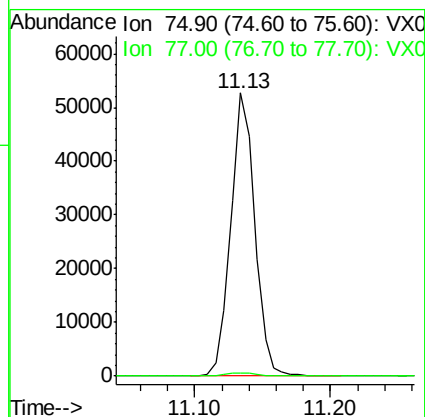
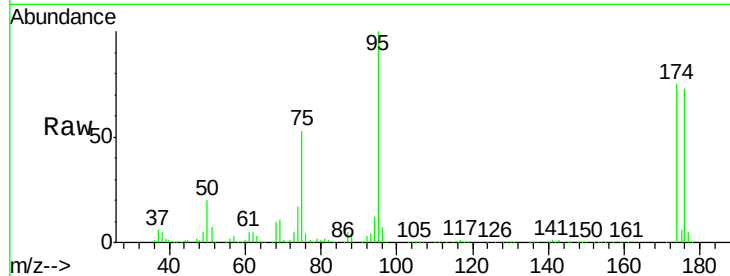
SS050MW035-190429

Tot Ion: 75 Resp: 64712

Ion Ratio Lower Upper

75 100

77 1.5 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.838 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009281.D

Acq: 02 May 2019 18:25

Tgt Ion: 75 Resp: 64712

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

