

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009291.D
 Acq On : 02 May 2019 22:20
 Operator : JC/SP
 Sample : K2660-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-190429

Quant Time: May 03 02:46:50 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	192750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118633	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	128904	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	5.50	113	95966	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	8.71	98	391221	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.13	95	130418	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	

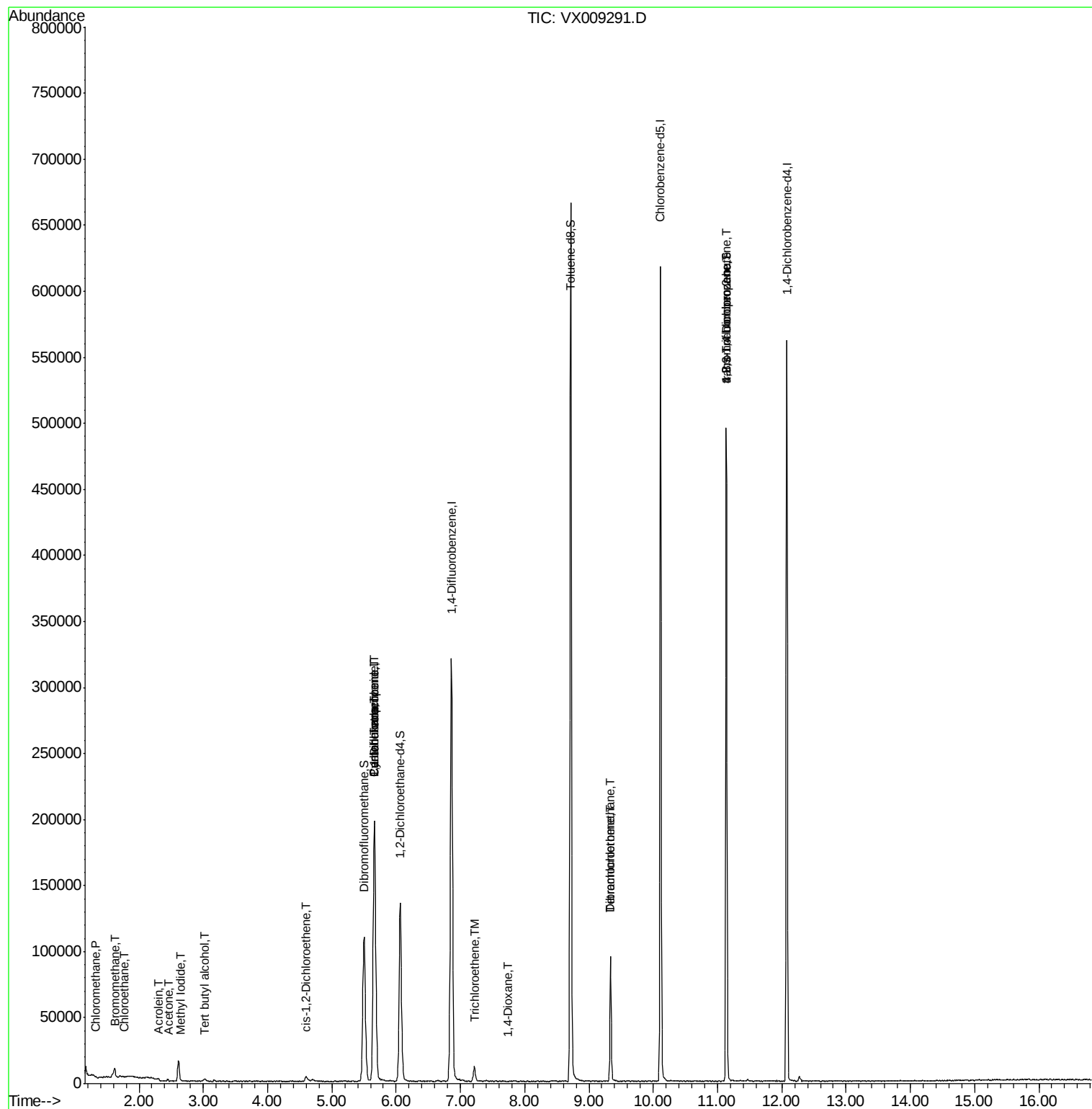
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	508	0.209	ug/l #	88
5) Bromomethane	1.64	94	343	0.242	ug/l	86
6) Chloroethane	1.77	64	3084	2.031	ug/l #	43
10) Methyl Iodide	2.65	142	27	4.606	ug/l #	42
11) Tert butyl alcohol	3.02	59	1181	1.939	ug/l #	73
13) Acrolein	2.29	56	159	0.288	ug/l #	11
16) Acetone	2.45	43	1244	0.880	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	2033	0.868	ug/l	90
28) Bromochloromethane	4.96	49	69	Below Cal	#	20
31) Cyclohexane	5.66	56	4361	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15423	5.263	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18166	6.823	ug/l #	15
44) Trichloroethene	7.21	130	4097	1.869	ug/l	85
49) 1,4-Dioxane	7.75	88	19	0.289	ug/l #	1
60) Dibromochloromethane	9.34	129	17629	8.026	ug/l #	11
64) Tetrachloroethene	9.34	164	18891	9.970	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	67607	24.568	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67607	62.860	ug/l #	10

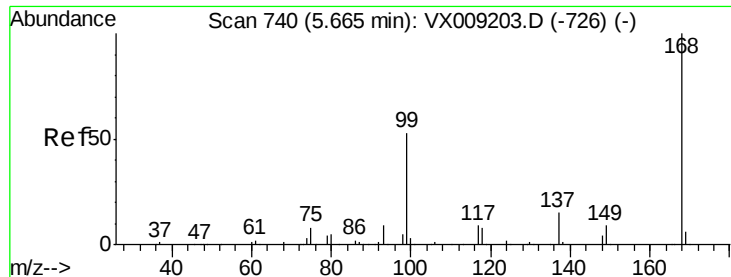
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX009291.D

Acq: 02 May 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

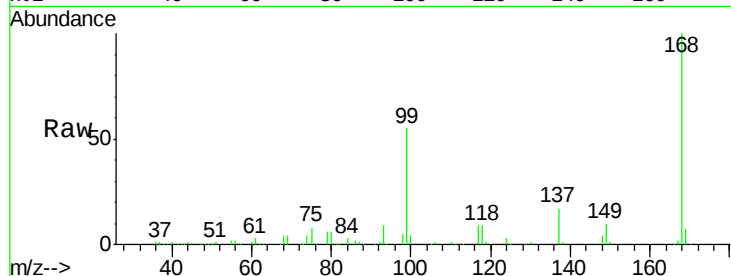
SS036MW004-190429

Tot Ion:168 Resp: 192750

Ion Ratio Lower Upper

168 100

99 55.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

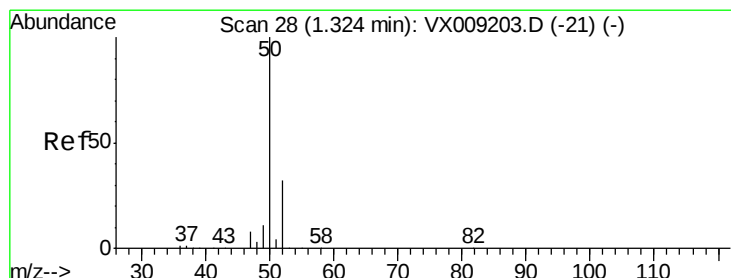
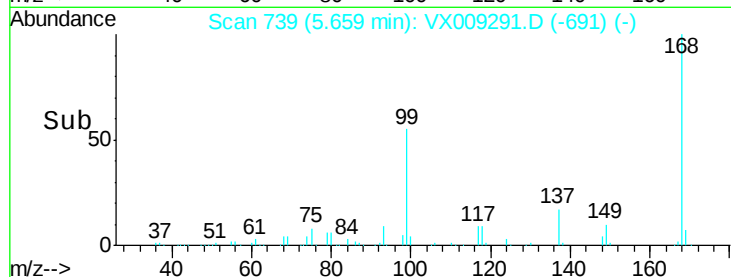
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009291.D

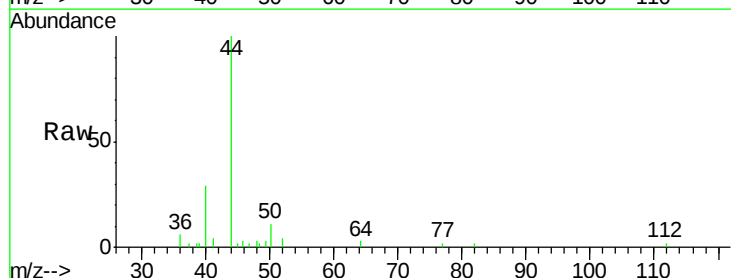
Acq: 02 May 2019 22:20

Tgt Ion: 50 Resp: 508

Ion Ratio Lower Upper

50 100

52 39.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

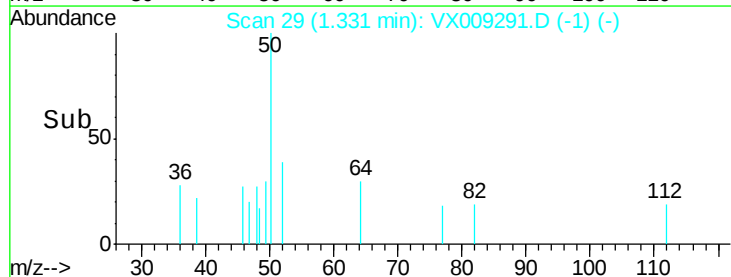
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.242 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

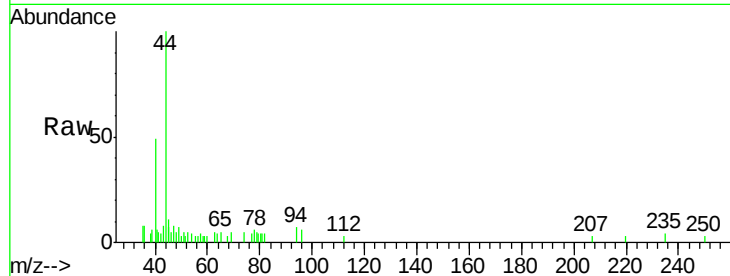
SS036MW004-190429

Tot Ion: 94 Resp: 343

Ion Ratio Lower Upper

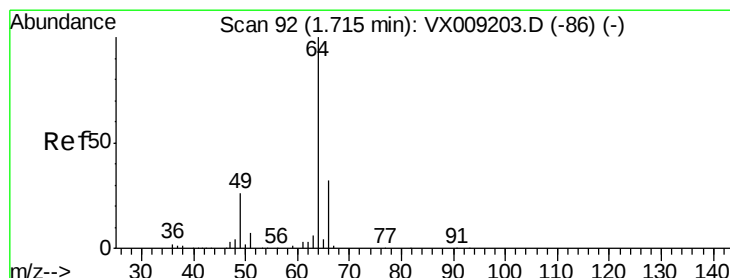
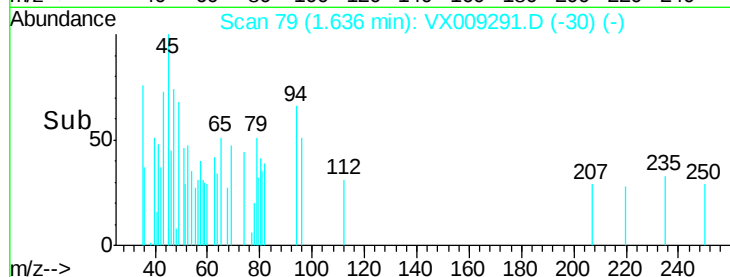
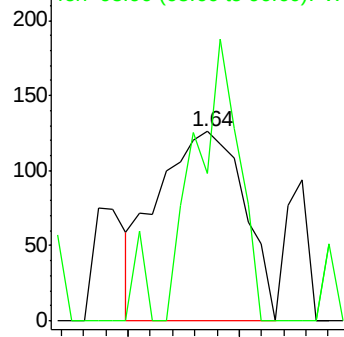
94 100

96 77.8 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.031 ug/l

RT: 1.77 min Scan# 101

Delta R.T. 0.06 min

Lab File: VX009291.D

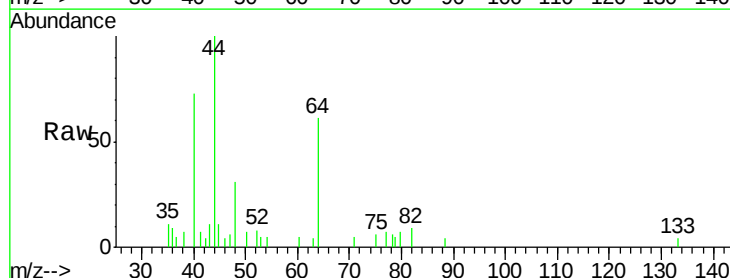
Acq: 02 May 2019 22:20

Tgt Ion: 64 Resp: 3084

Ion Ratio Lower Upper

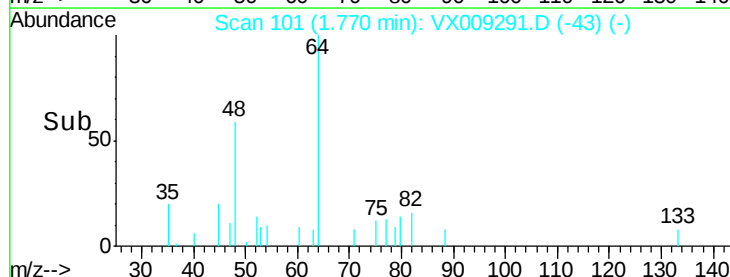
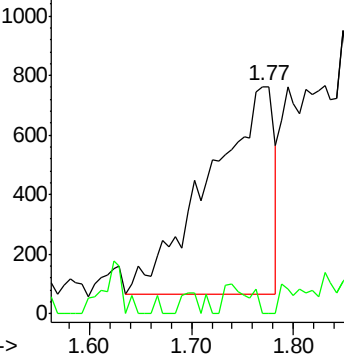
64 100

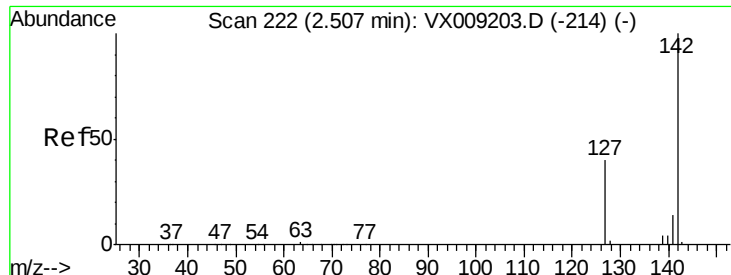
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

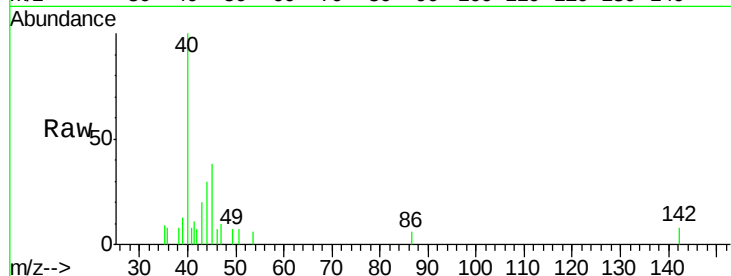




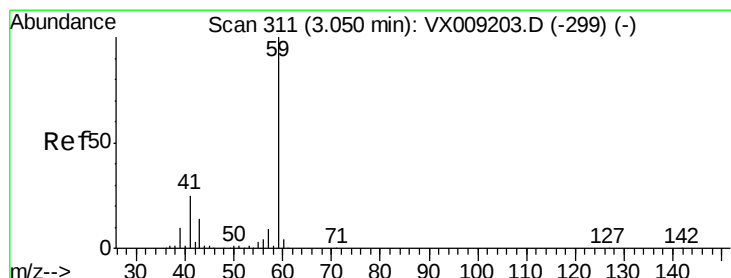
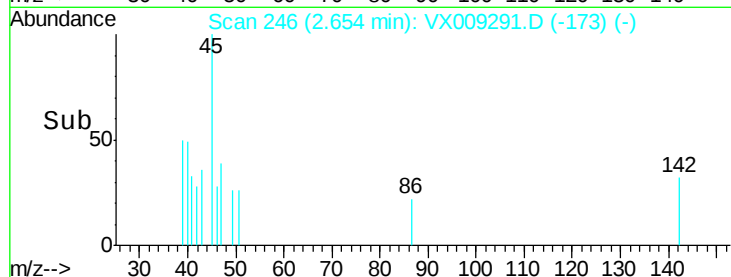
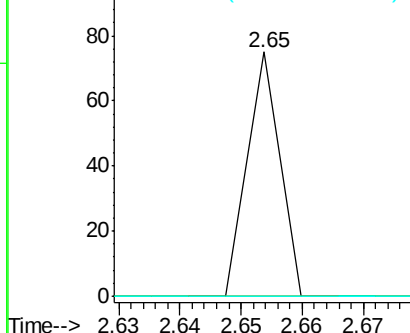
#10
Methvl Iodide
Concen: 4.606 ug/l
RT: 2.65 min Scan# 246
Delta R.T. 0.15 min
Lab File: VX009291.D
Acq: 02 May 2019 22:20

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-190429

Tot Ion:142 Resp: 27
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

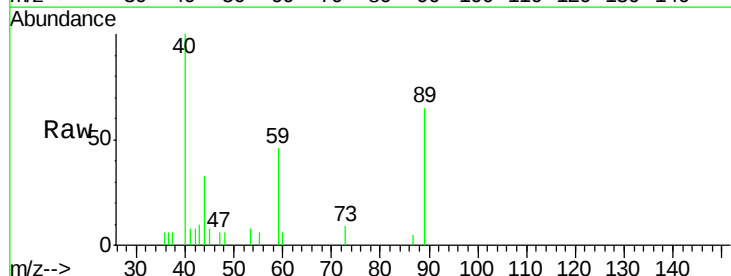


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

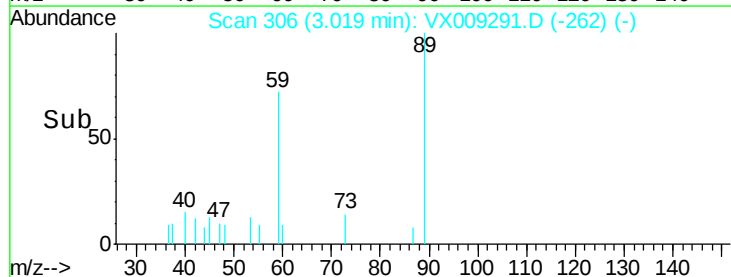
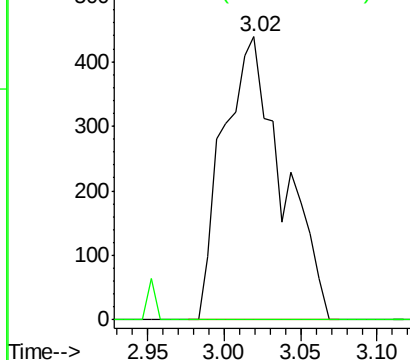


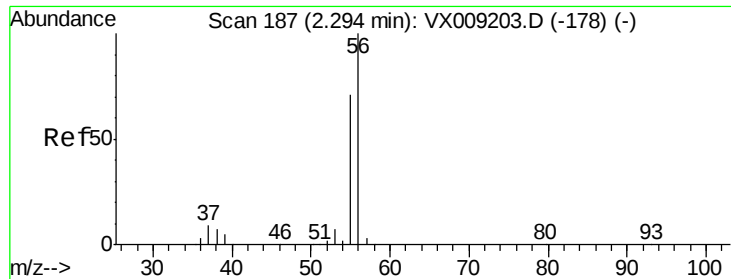
#11
Tert butyl alcohol
Concen: 1.939 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009291.D
Acq: 02 May 2019 22:20

Tgt Ion: 59 Resp: 1181
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

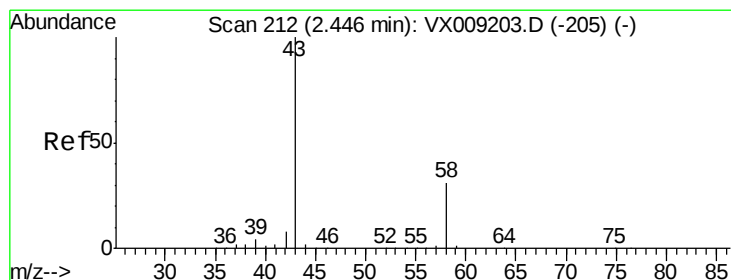
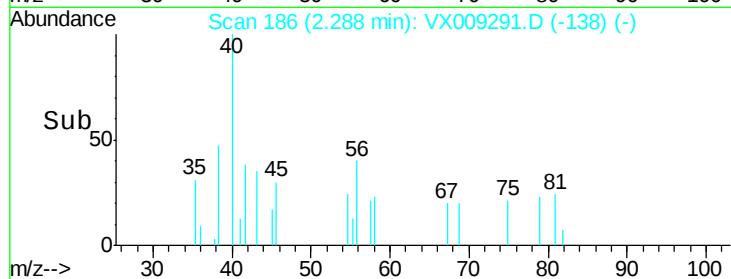
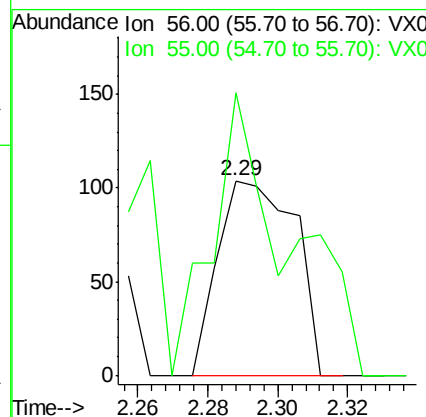
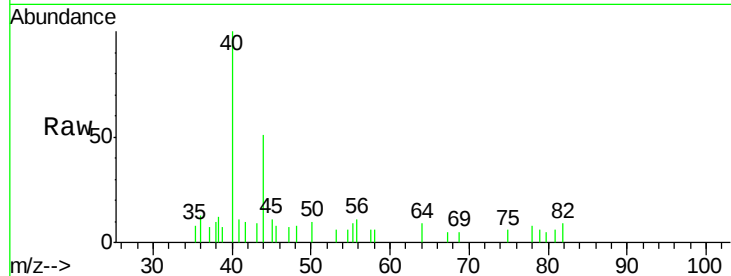




#13
Acrolein
Concen: 0.288 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009291.D
Acq: 02 May 2019 22:20

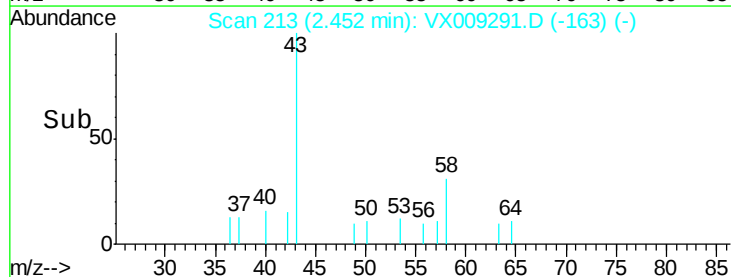
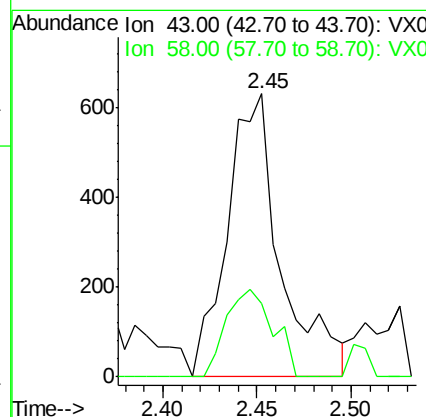
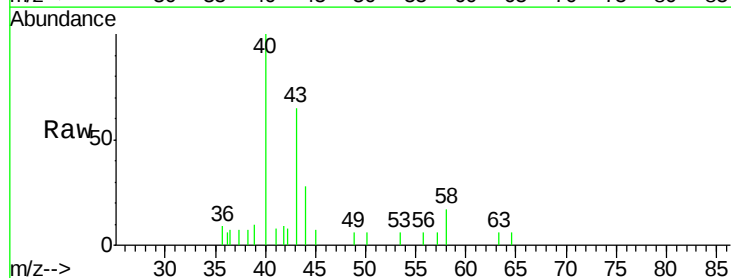
Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-190429

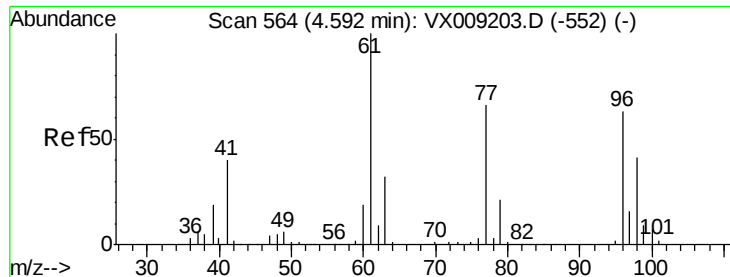
Tot Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 144.7 56.6 85.0#



#16
Acetone
Concen: 0.880 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX009291.D
Acq: 02 May 2019 22:20

Tgt Ion: 43 Resp: 1244
Ion Ratio Lower Upper
43 100
58 26.1 24.9 37.3



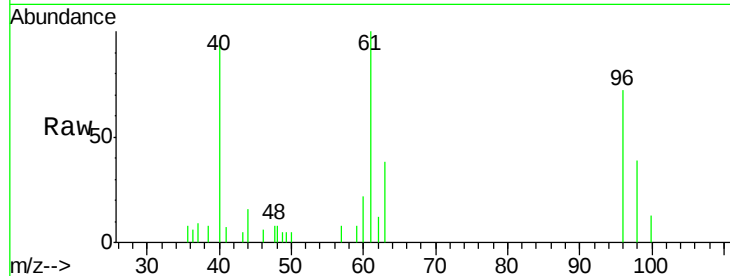


#27

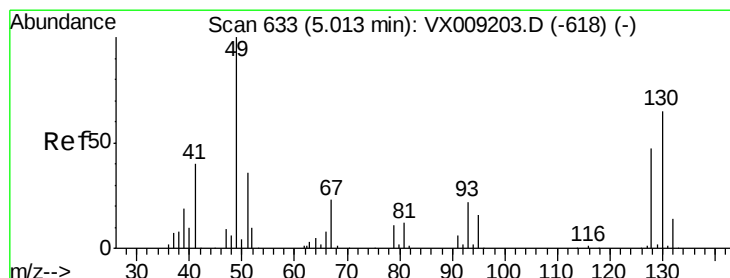
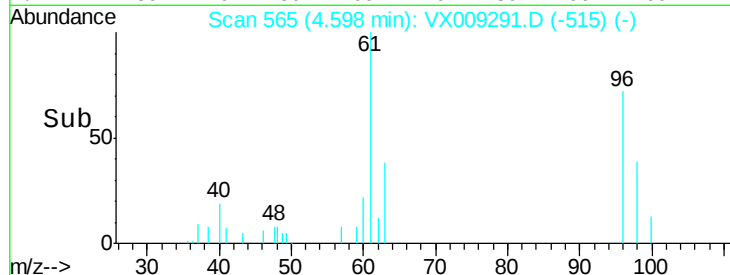
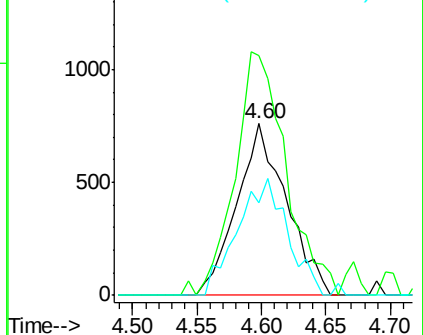
cis-1,2-Dichloroethene
Concen: 0.868 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009291.D
Acq: 02 May 2019 22:20

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-190429

Tot Ion: 96 Resp: 2033
Ion Ratio Lower Upper
96 100
61 146.1 0.0 324.0
98 68.7 0.0 130.4



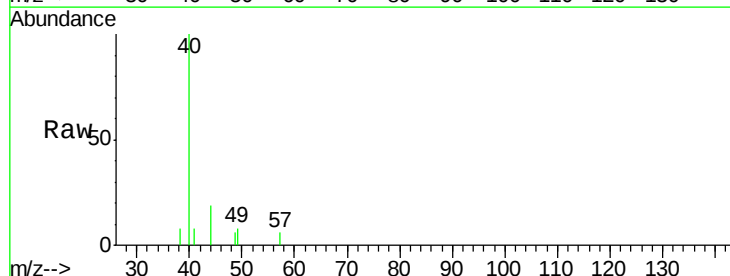
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



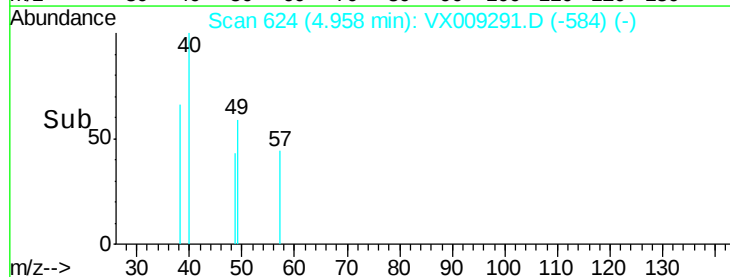
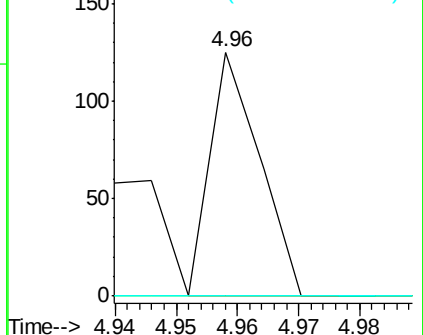
#28

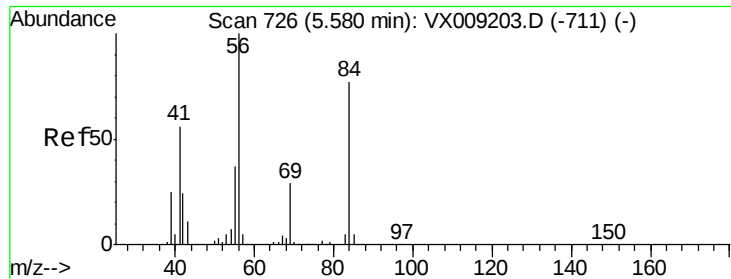
Bromochloromethane
Concen: Below Cal
RT: 4.96 min Scan# 624
Delta R.T. -0.05 min
Lab File: VX009291.D
Acq: 02 May 2019 22:20

Tgt Ion: 49 Resp: 69
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

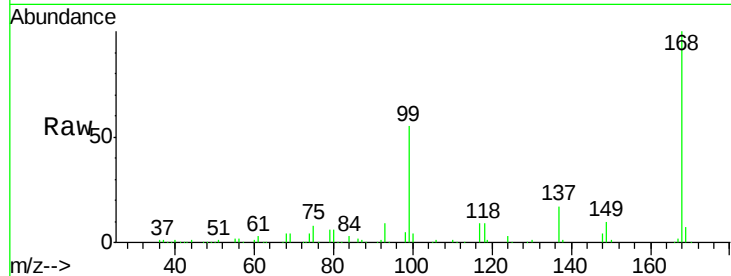




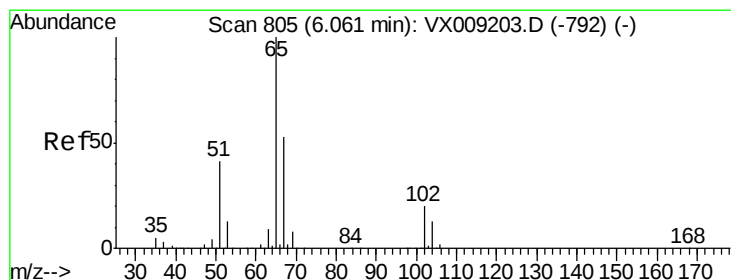
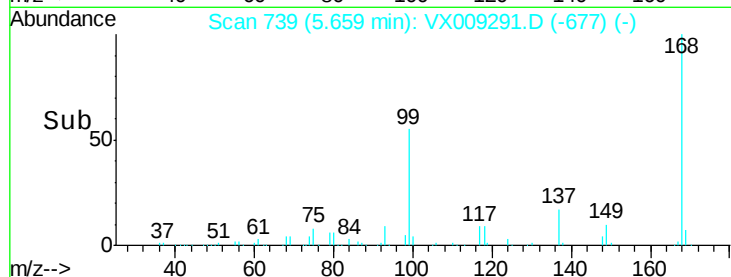
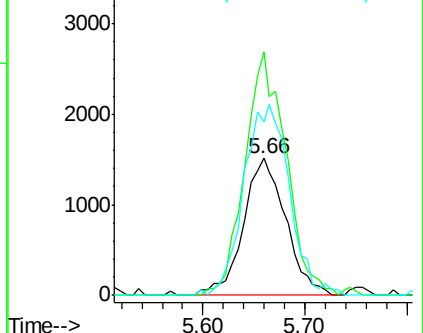
#31
Cyclohexane
Concen: 1.121 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009291.D
Acq: 02 May 2019 22:20

Instrument :
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Tot Ion: 56 Resp: 4361
Ion Ratio Lower Upper
56 100
69 178.0 23.4 35.0#
84 126.3 61.9 92.9#

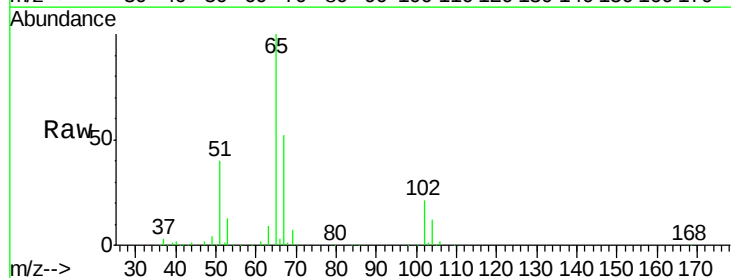


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

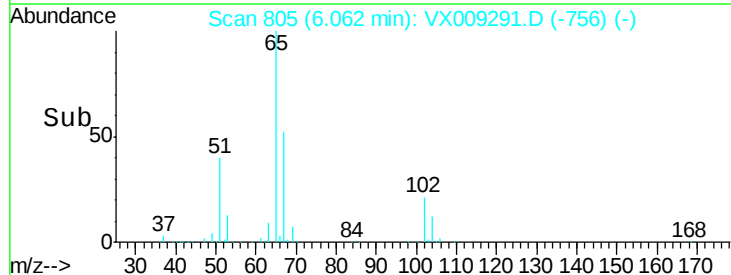
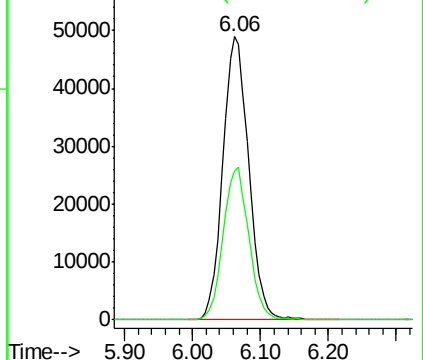


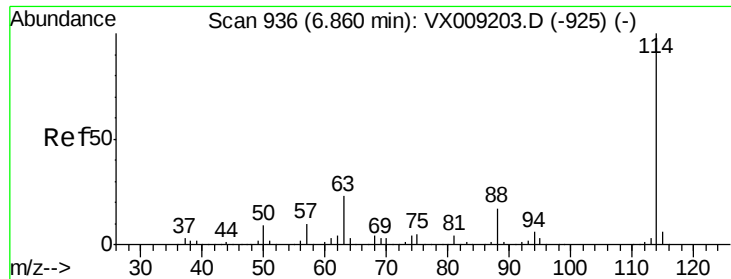
#33
1,2-Dichloroethane-d4
Concen: 48.989 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009291.D
Acq: 02 May 2019 22:20

Tgt Ion: 65 Resp: 128904
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.6



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

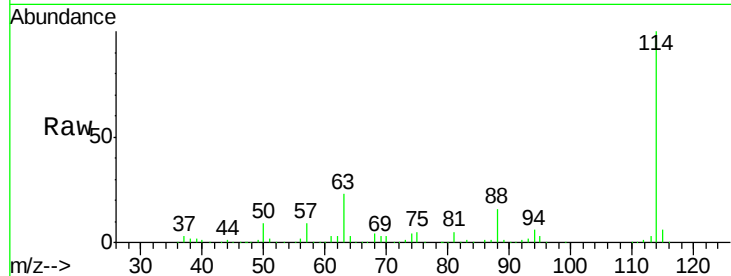




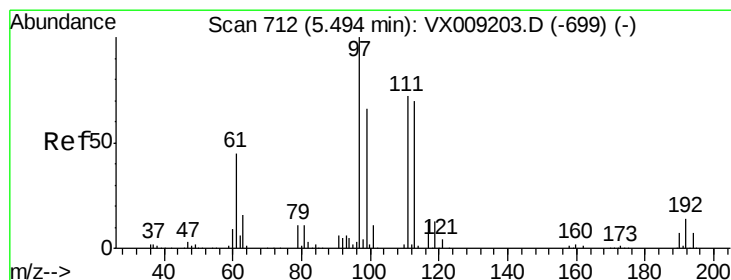
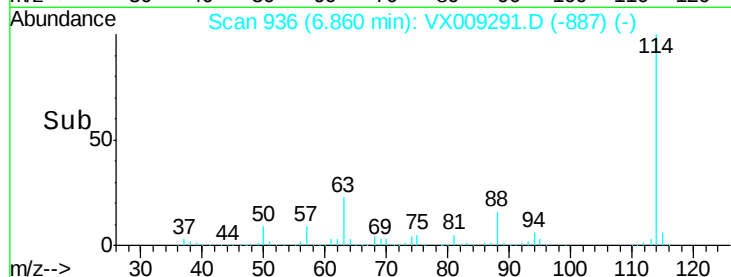
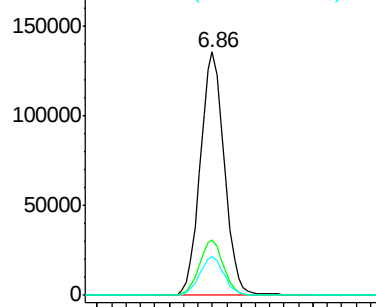
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009291.D
 Acq: 02 May 2019 22:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-190429

Tot Ion:114 Resp: 315319
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 15.9 0.0 33.2

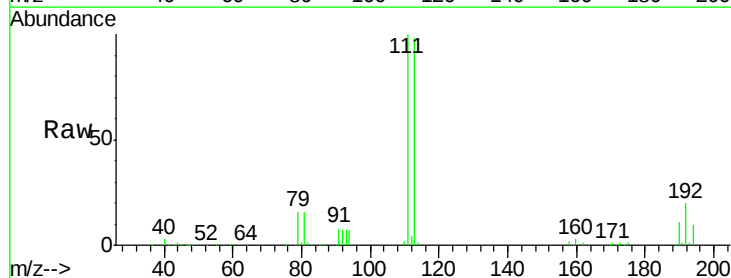


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

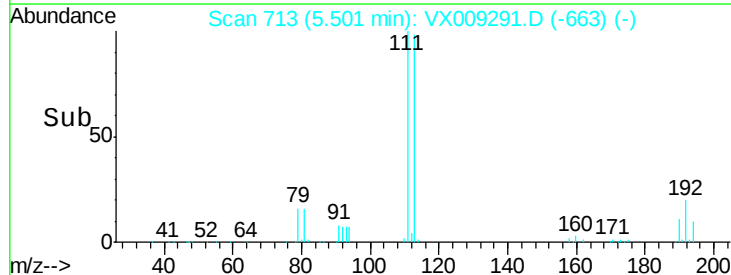
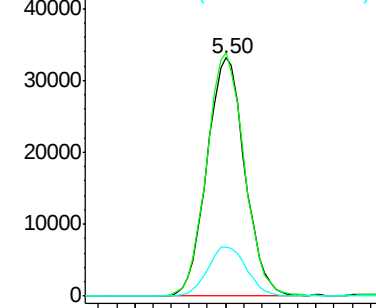


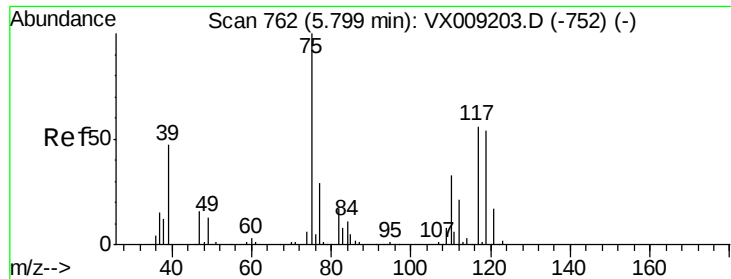
#35
 Dibromofluoromethane
 Concen: 48.413 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009291.D
 Acq: 02 May 2019 22:20

Tgt Ion:113 Resp: 95966
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.8 124.2
 192 21.4 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

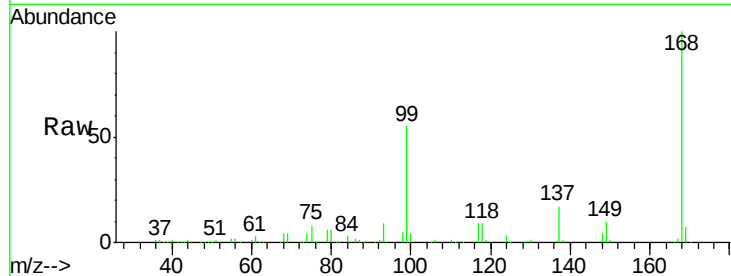




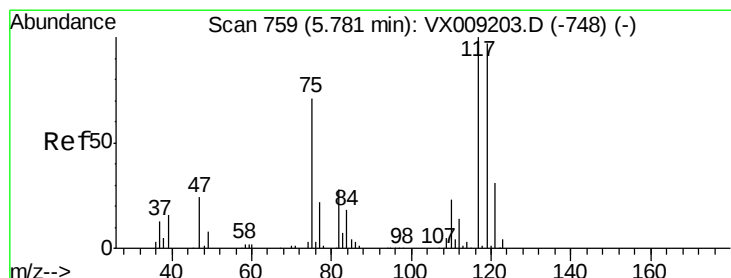
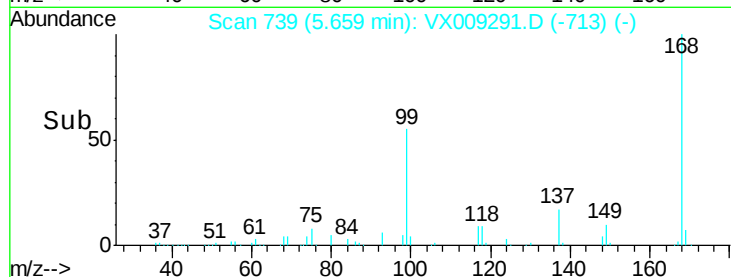
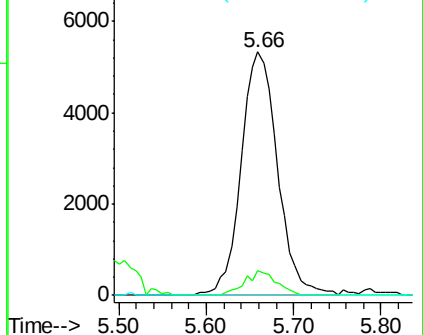
#36
 1,1-Dichloropropene
 Concen: 5.263 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009291.D
 Acq: 02 May 2019 22:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-190429

Tot Ion: 75 Resp: 15423
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.0 24.8 37.2#

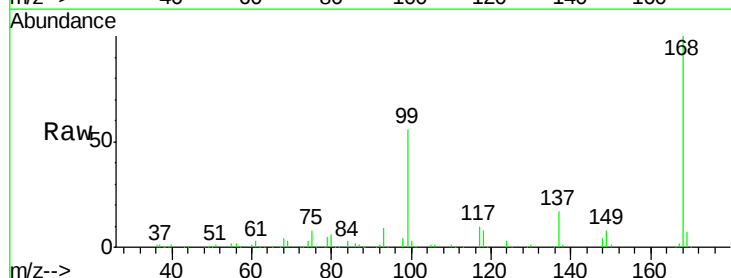


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

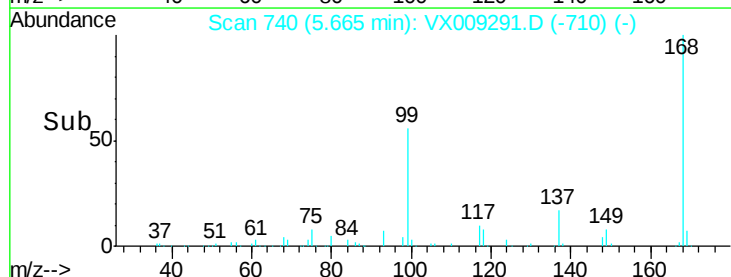
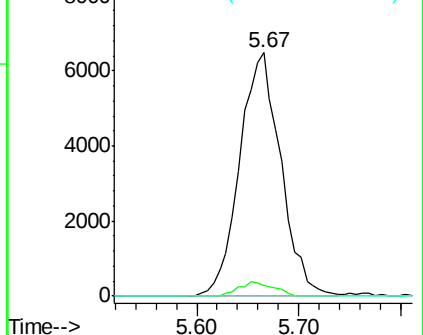


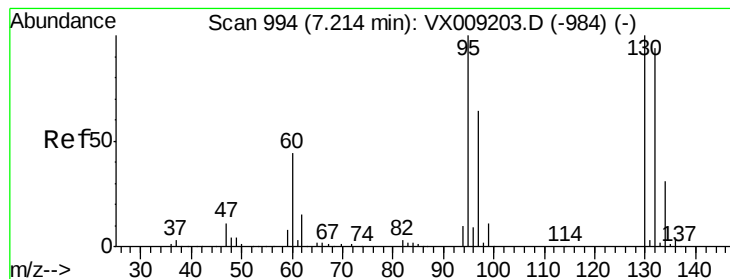
#38
 Carbon Tetrachloride
 Concen: 6.823 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009291.D
 Acq: 02 May 2019 22:20

Tgt Ion: 117 Resp: 18166
 Ion Ratio Lower Upper
 117 100
 119 4.4 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





#44

Trichloroethene

Concen: 1.869 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

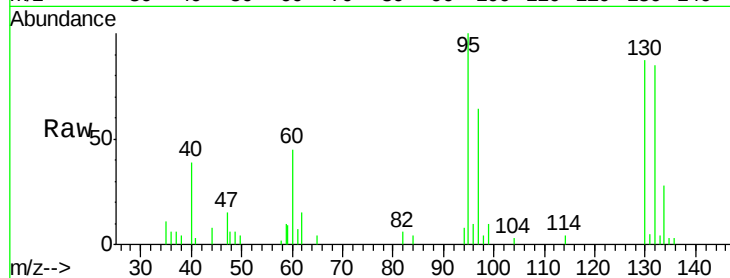
SS036MW004-190429

Tot Ion:130 Resp: 4097

Ion Ratio Lower Upper

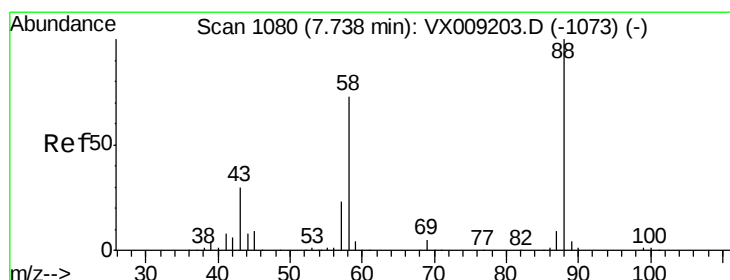
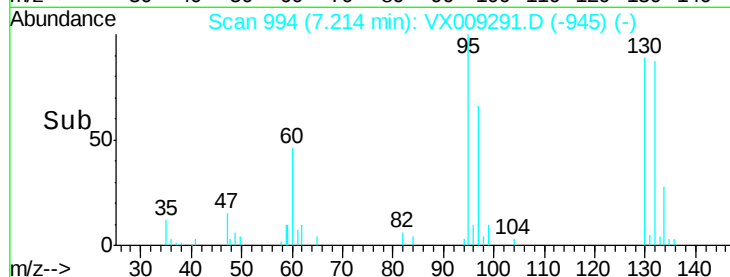
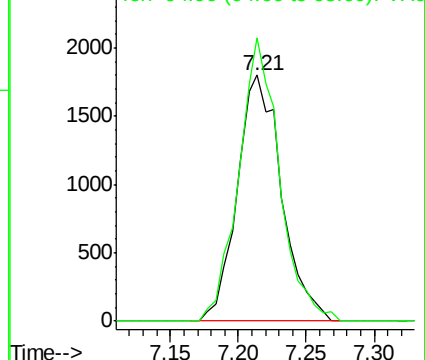
130 100

95 115.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.289 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

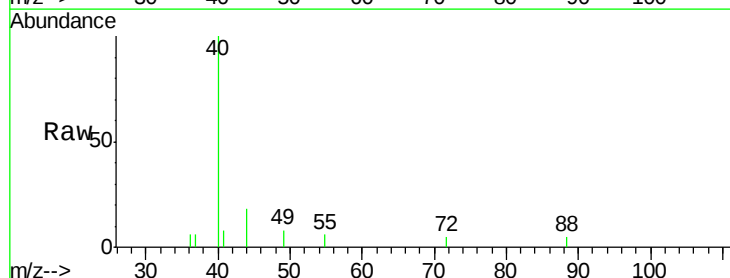
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 100.0 28.6 42.8#

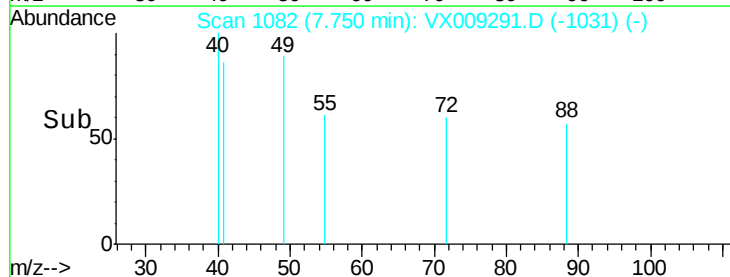
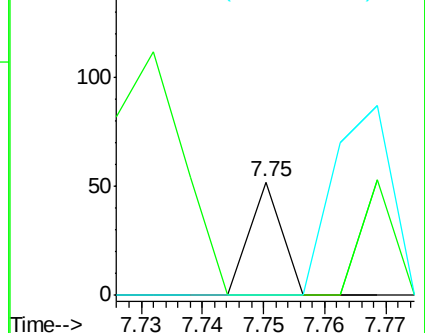
58 300.0 61.7 92.5#

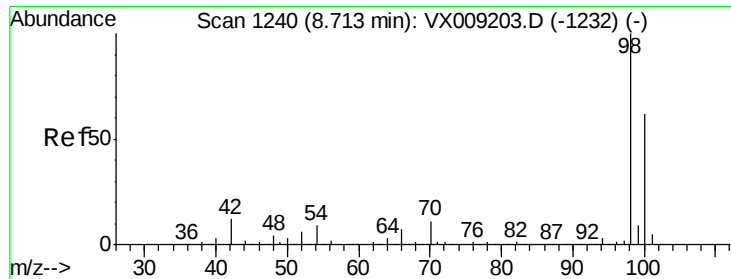


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.886 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

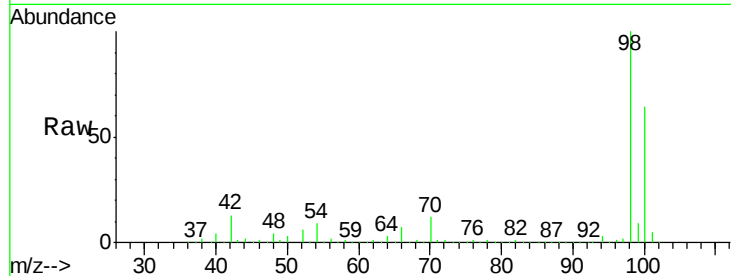
SS036MW004-190429

Tot Ion: 98 Resp: 391221

Ion Ratio Lower Upper

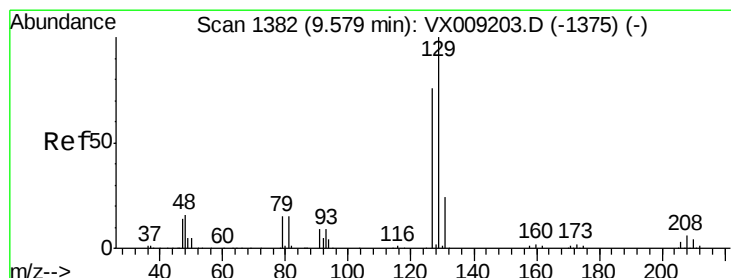
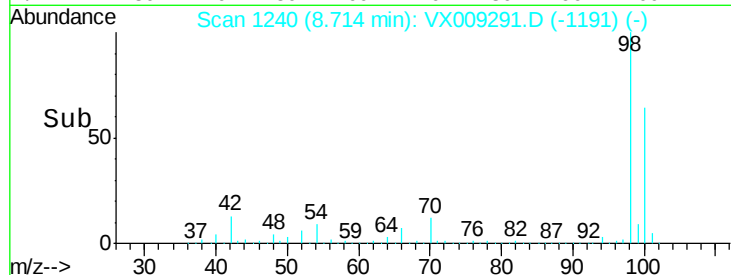
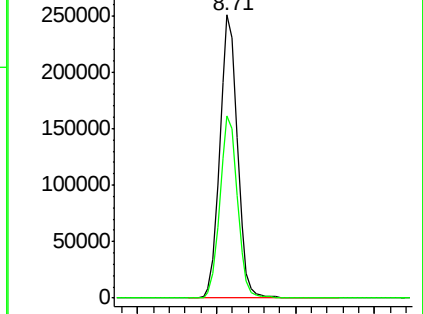
98 100

100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 8.026 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009291.D

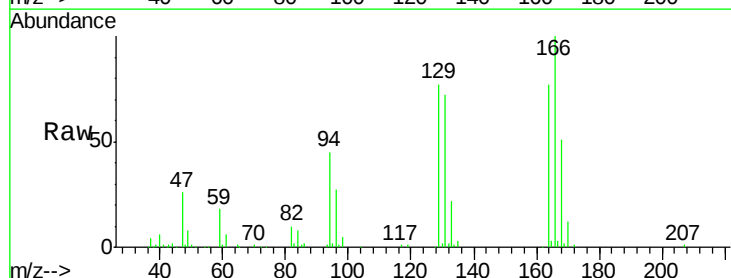
Acq: 02 May 2019 22:20

Tgt Ion:129 Resp: 17629

Ion Ratio Lower Upper

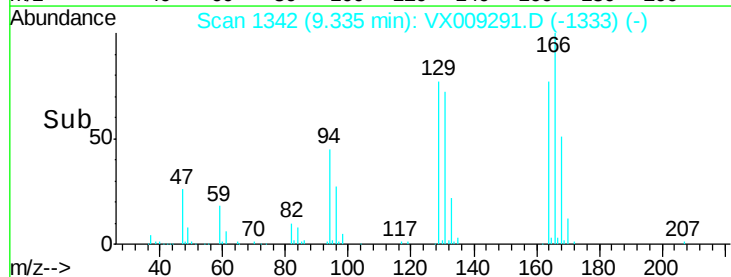
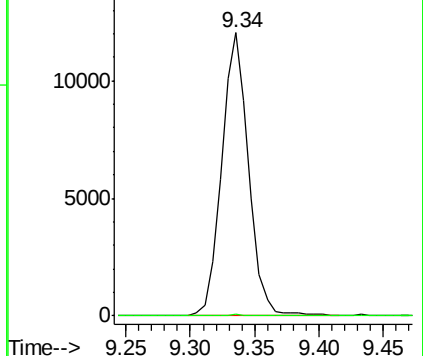
129 100

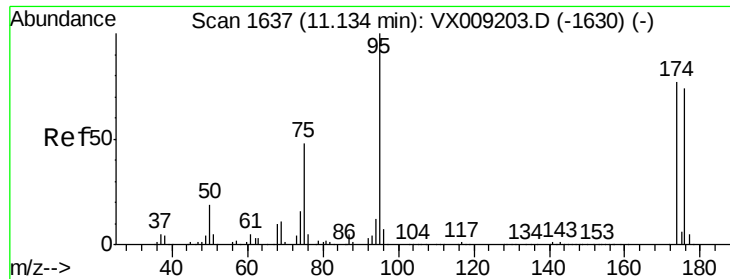
127 0.1 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 44.850 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-190429

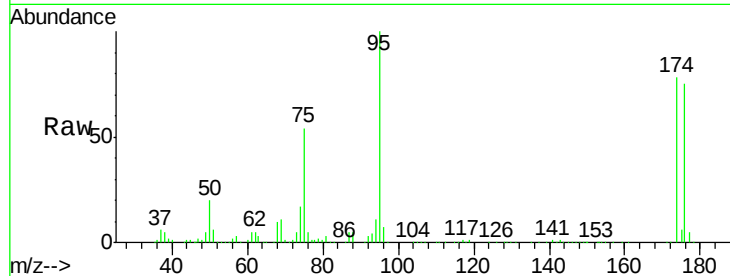
Tot Ion: 95 Resp: 130418

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

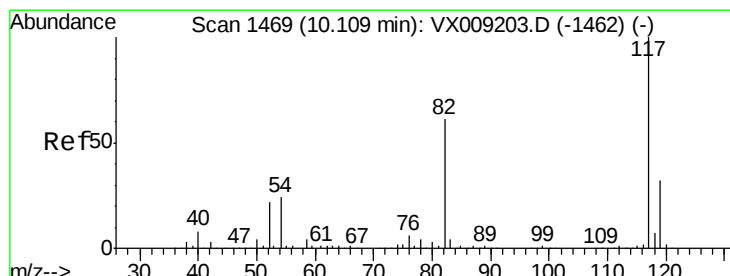
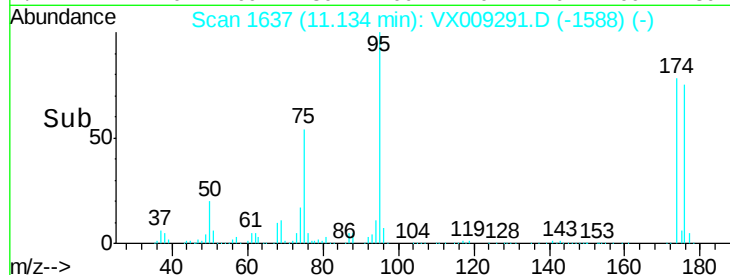
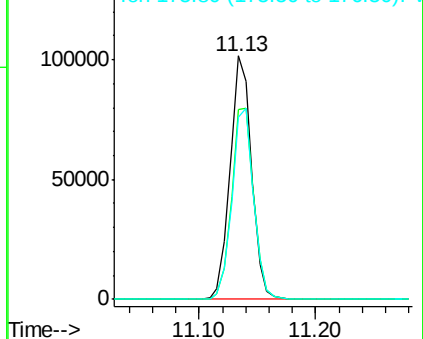
176 78.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009291.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009291.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009291.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

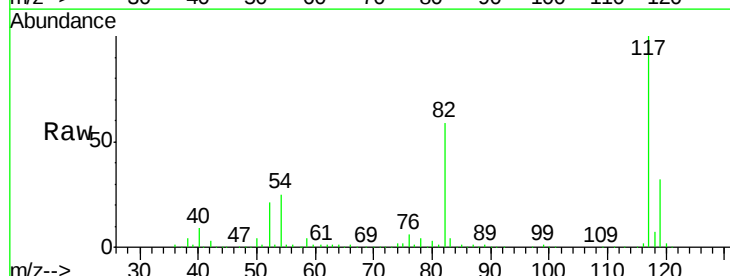
Tgt Ion: 117 Resp: 276214

Ion Ratio Lower Upper

117 100

82 59.5 48.8 73.2

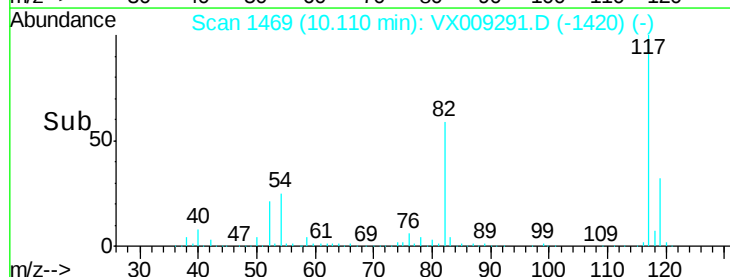
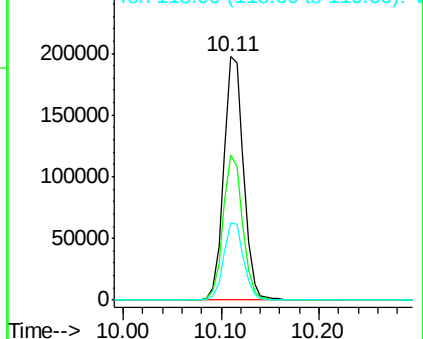
119 31.9 25.8 38.6

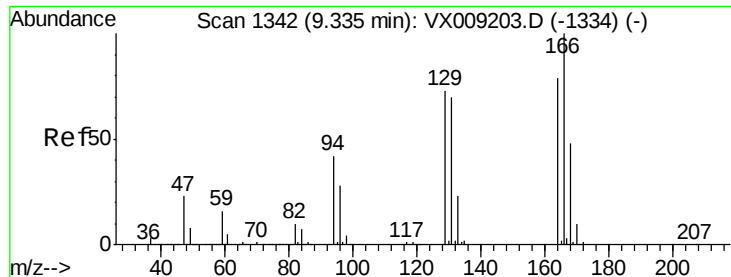


Abundance Ion 116.90 (116.60 to 117.60): VX009291.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009291.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009291.D (-1420) (-)





#64

Tetrachloroethene

Concen: 9.970 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-190429

Tot Ion:164 Resp: 18891

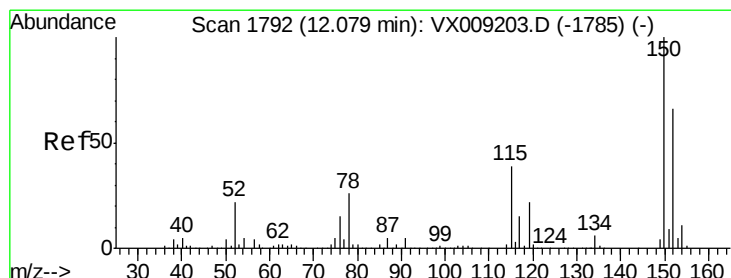
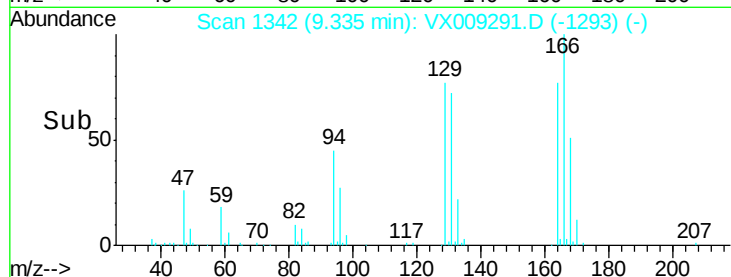
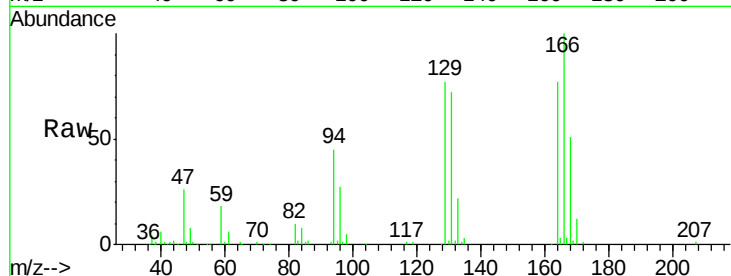
Ion Ratio Lower Upper

164 100

166 129.3 101.2 151.8

129 99.0 74.3 111.5

131 92.7 71.0 106.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

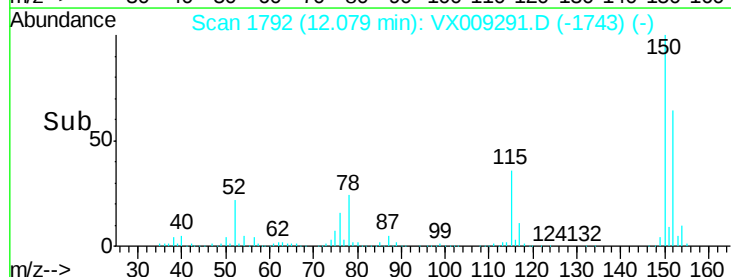
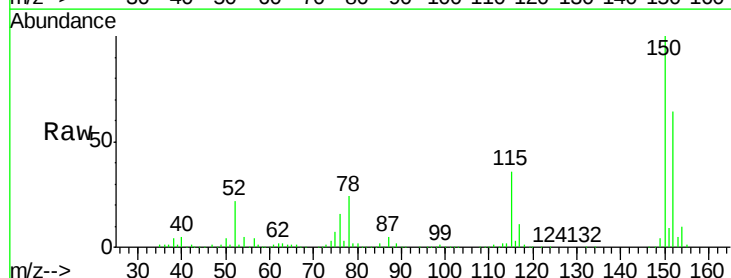
Tgt Ion:152 Resp: 118633

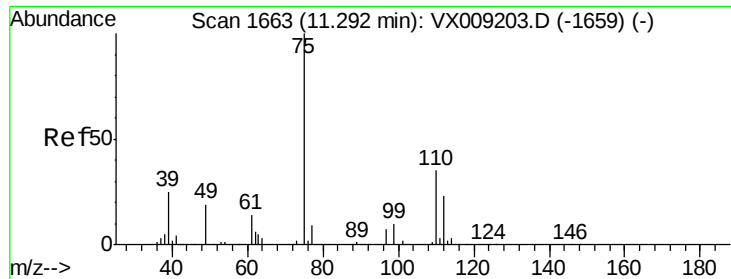
Ion Ratio Lower Upper

152 100

115 58.7 41.2 123.6

150 156.9 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.568 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

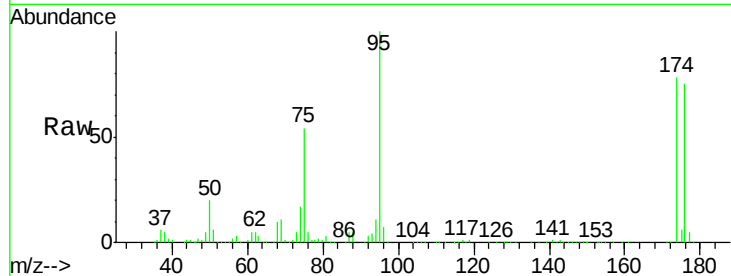
SS036MW004-190429

Tot Ion: 75 Resp: 67607

Ion Ratio Lower Upper

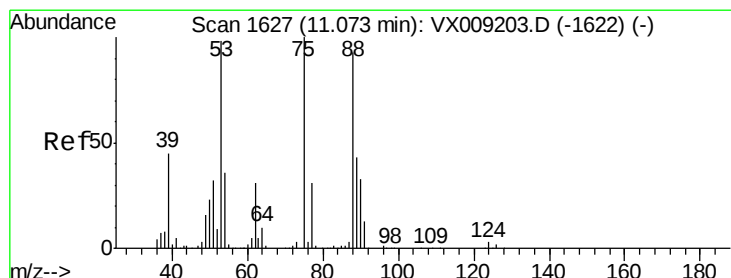
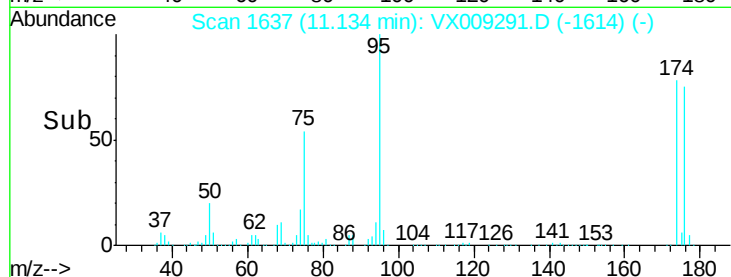
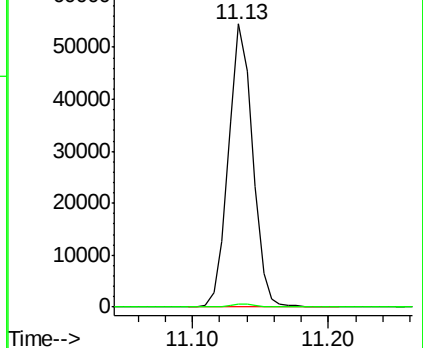
75 100

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: 62.860 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009291.D

Acq: 02 May 2019 22:20

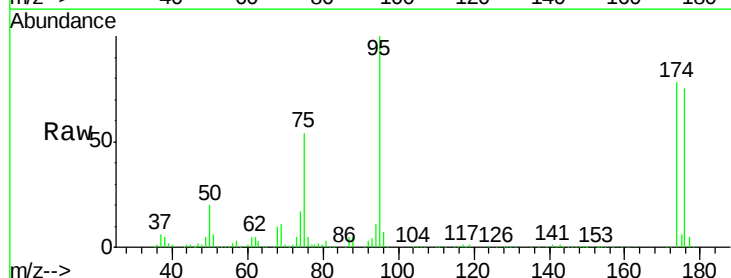
Tgt Ion: 75 Resp: 67607

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

