

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004525.D
 Acq On : 13 Sep 2018 19:15
 Operator : JC/MD
 Sample : J4892-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-11-091118

Quant Time: Sep 14 03:55:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	342547	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180315	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	167180	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
35) Dibromofluoromethane	5.51	113	151382	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.71	98	501266	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.14	95	169733	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

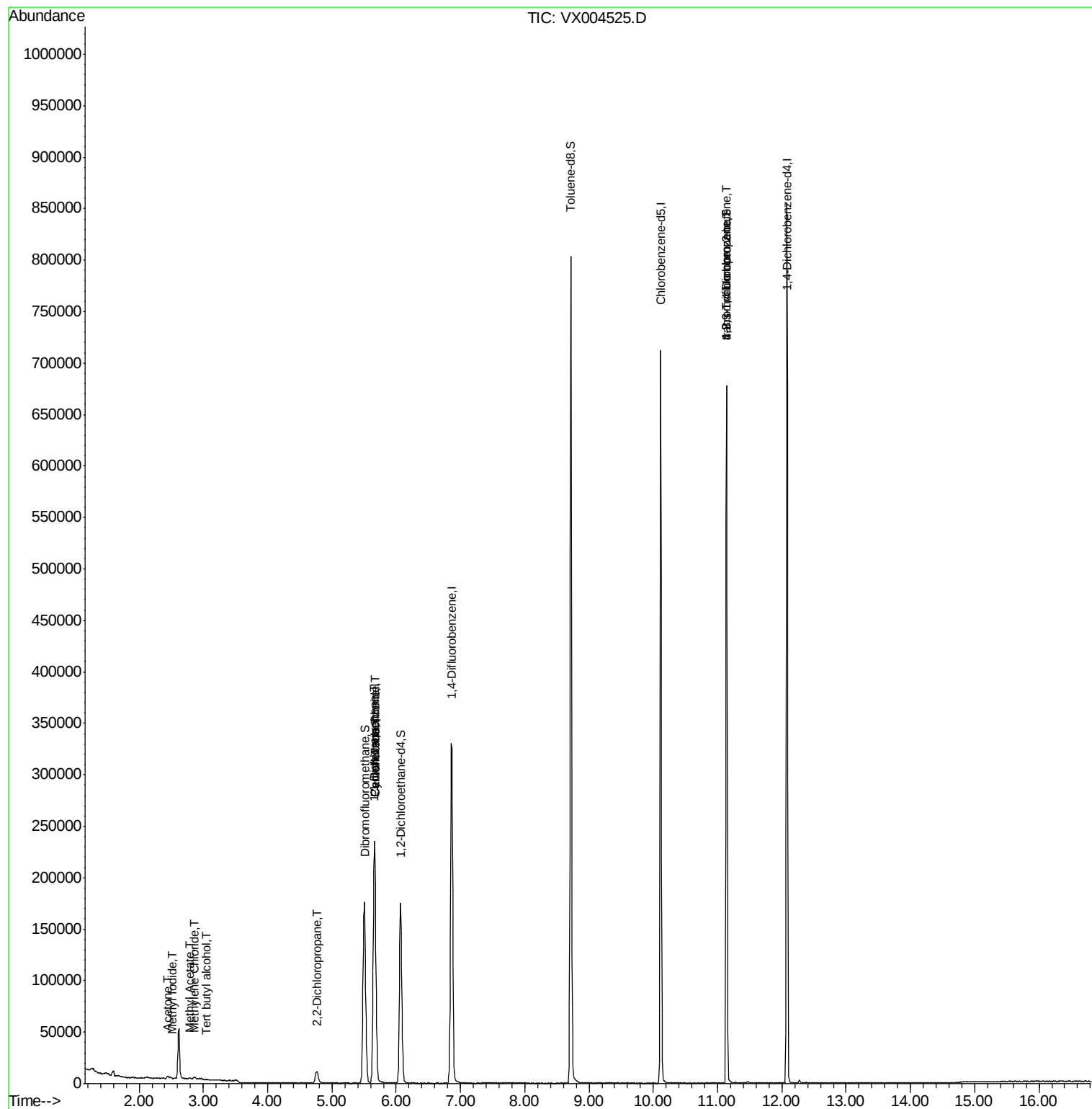
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	222	Below Cal	#	80
10) Methyl Iodide	2.51	142	146	4.30	ug/l #	82
11) Tert butyl alcohol	3.06	59	249	0.32	ug/l #	72
16) Acetone	2.44	43	3101	1.97	ug/l	100
18) Methyl Acetate	2.78	43	929	0.21	ug/l	99
20) Methylene Chloride	2.85	84	926	0.29	ug/l #	83
26) 2,2-Dichloropropane	4.76	77	1048	0.28	ug/l #	52
31) Cyclohexane	5.67	56	4000	0.86	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16497	3.97	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21877	5.39	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	80289	22.13	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	80289	70.54	ug/l #	10

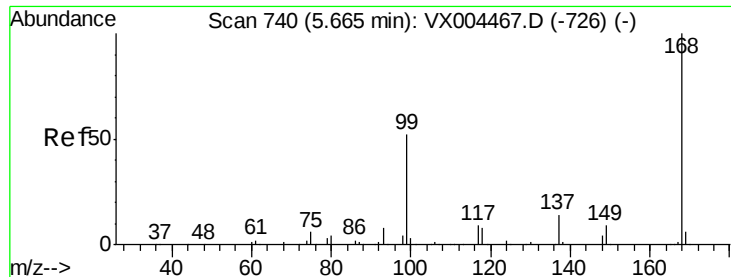
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004525.D

Acq: 13 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

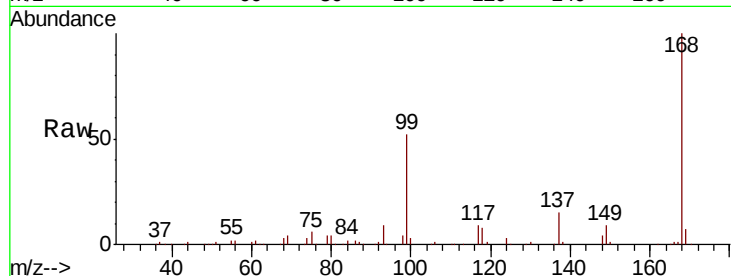
C-MW-11-091118

Tot Ion:168 Resp: 250082

Ion Ratio Lower Upper

168 100

99 51.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

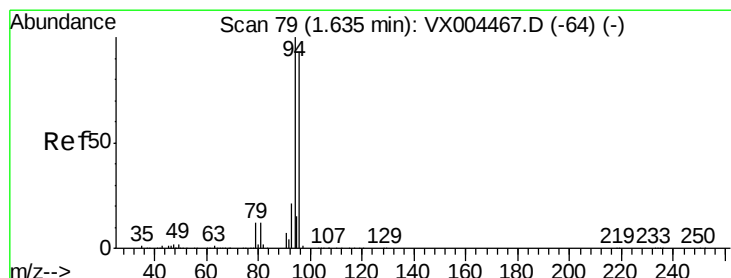
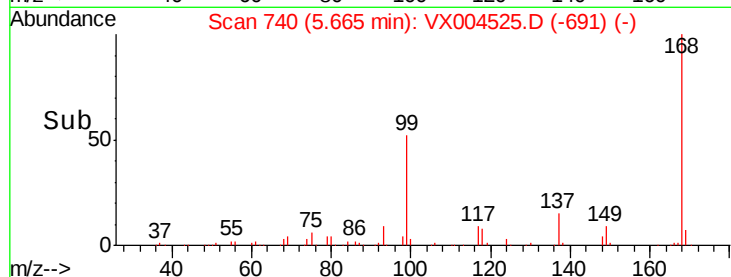
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004525.D

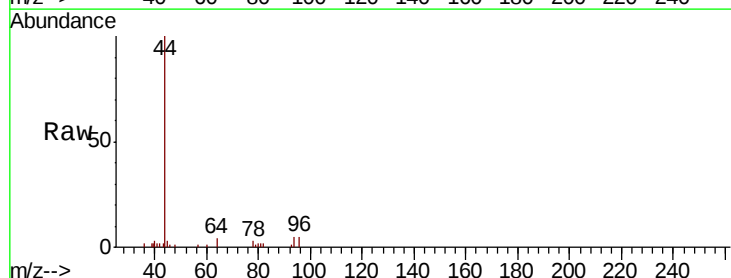
Acq: 13 Sep 2018 19:15

Tgt Ion: 94 Resp: 222

Ion Ratio Lower Upper

94 100

96 112.6 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

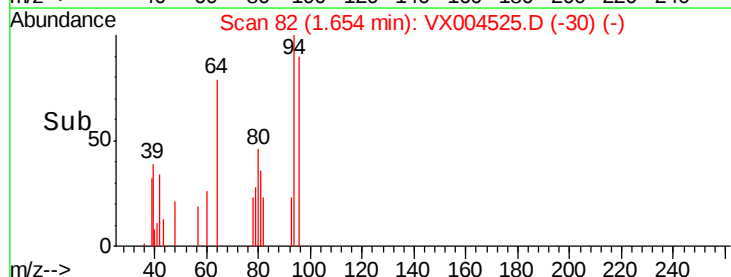
150

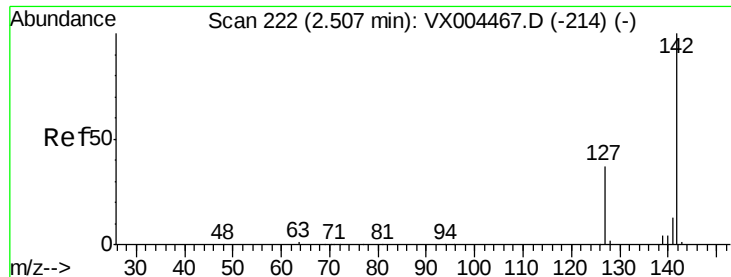
100

50

0

Time--> 1.60 1.62 1.64 1.66 1.68

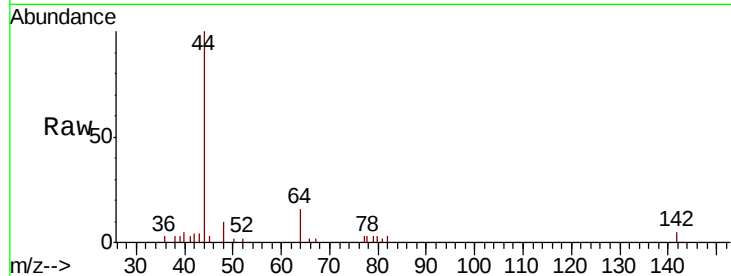




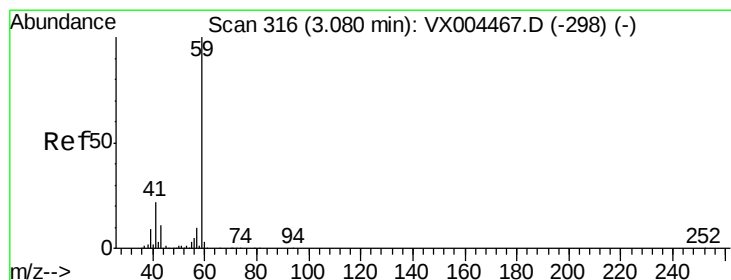
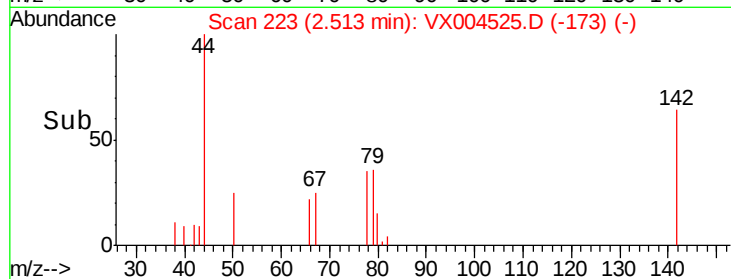
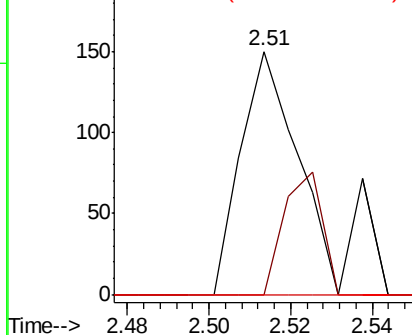
#10
Methyl Iodide
Concen: 4.30 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004525.D
Acq: 13 Sep 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
C-MW-11-091118

Tot Ion:142 Resp: 146
Ion Ratio Lower Upper
142 100
127 34.2 33.8 50.6
141 0.0 11.4 17.0#

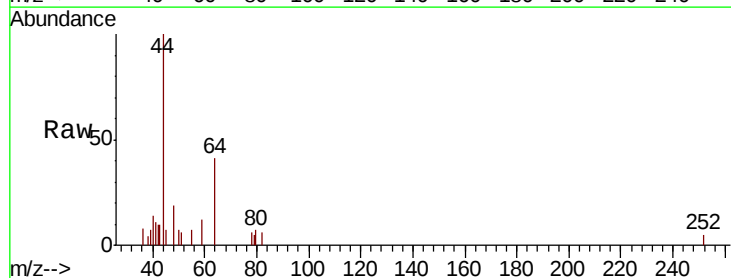


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

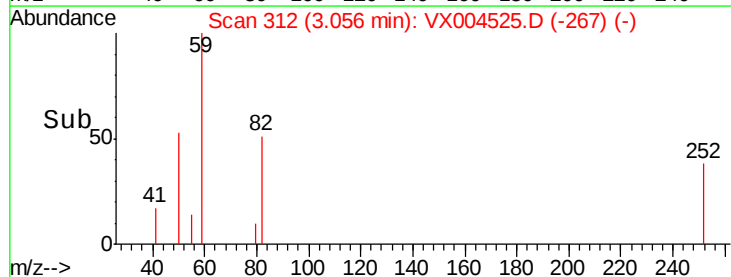
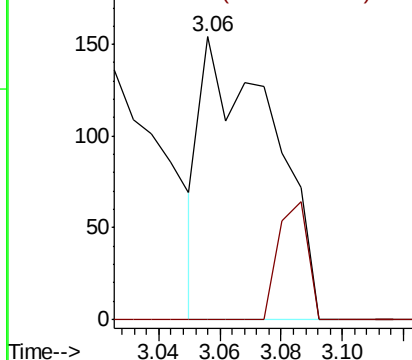


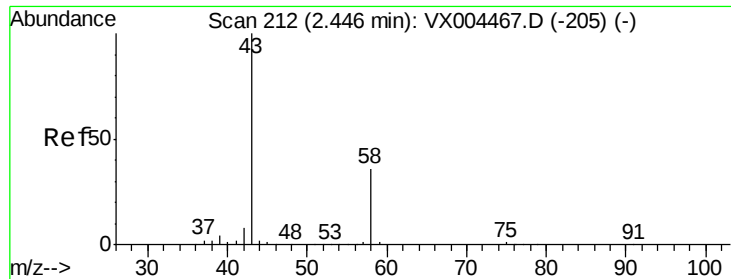
#11
Tert butyl alcohol
Concen: 0.32 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX004525.D
Acq: 13 Sep 2018 19:15

Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



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

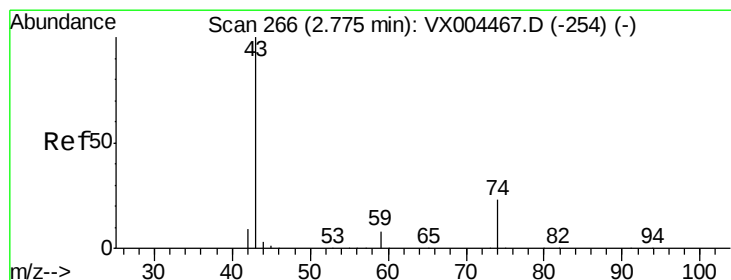
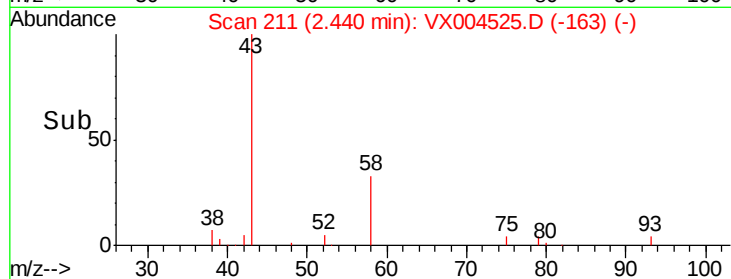
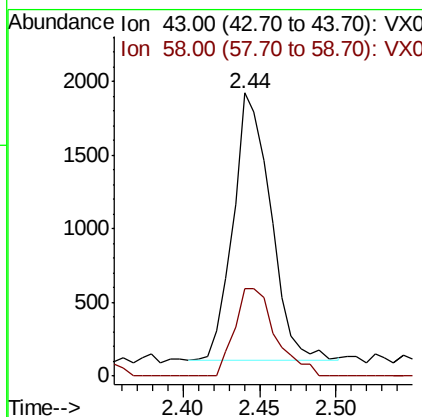
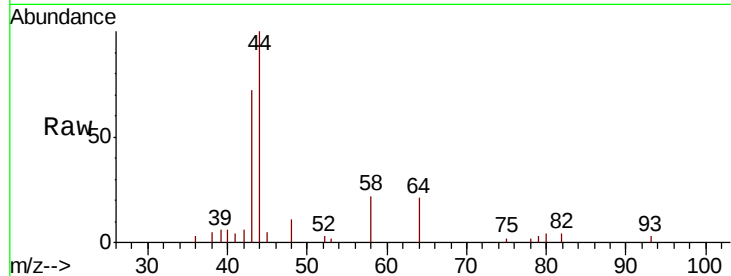




#16
 Acetone
 Concen: 1.97 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX004525.D
 Acq: 13 Sep 2018 19:15

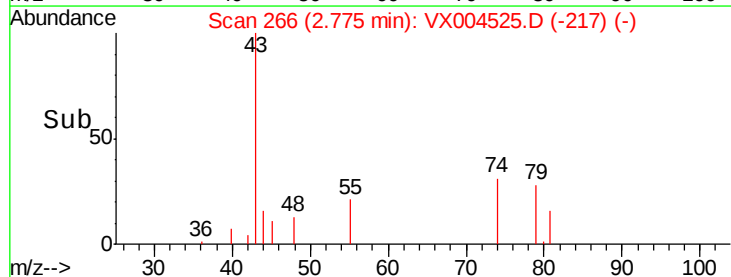
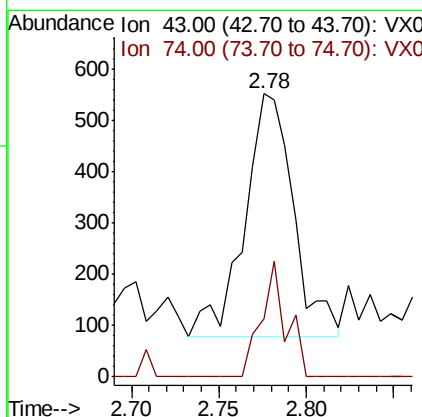
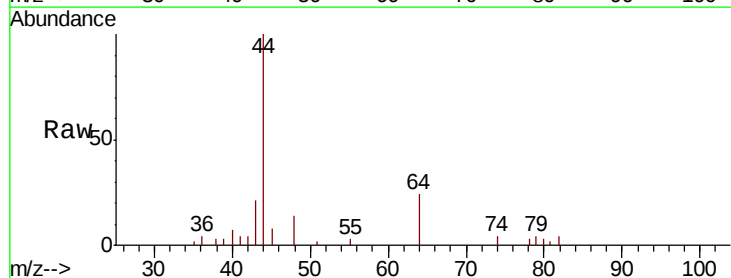
Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-11-091118

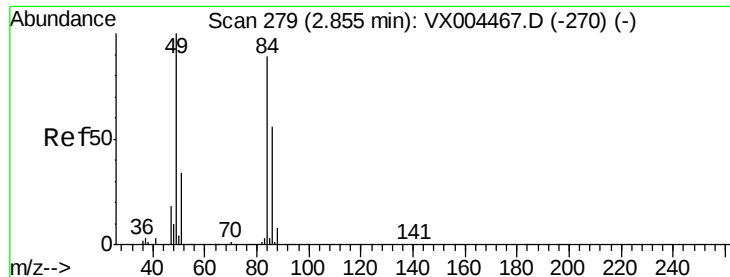
Tot Ion: 43 Resp: 3101
 Ion Ratio Lower Upper
 43 100
 58 32.6 26.2 39.4



#18
 Methyl Acetate
 Concen: 0.21 ug/l
 RT: 2.78 min Scan# 266
 Delta R.T. 0.00 min
 Lab File: VX004525.D
 Acq: 13 Sep 2018 19:15

Tgt Ion: 43 Resp: 929
 Ion Ratio Lower Upper
 43 100
 74 23.9 19.4 29.2





#20

Methylene Chloride

Concen: 0.29 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004525.D

Acq: 13 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

C-MW-11-091118

Tot Ion: 84 Resp: 926

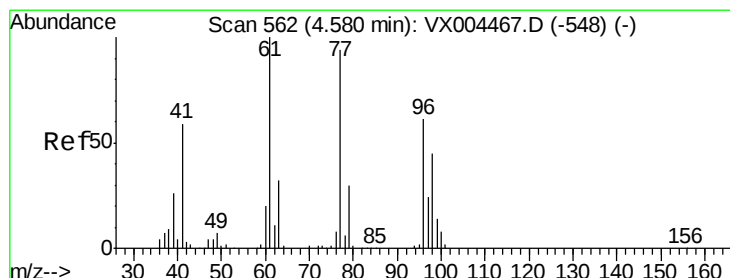
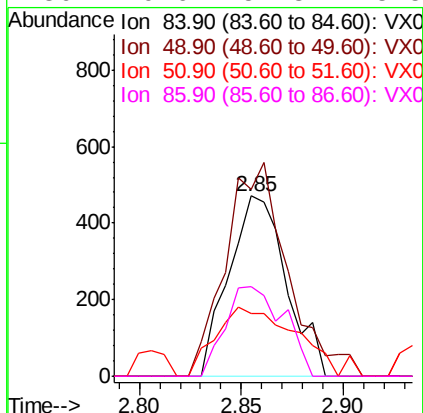
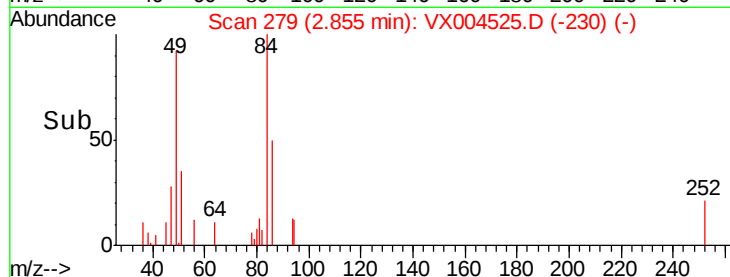
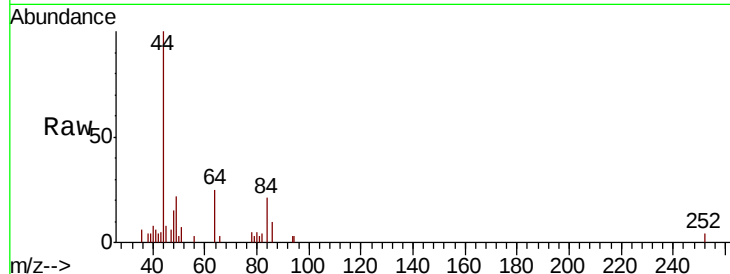
Ion Ratio Lower Upper

84 100

49 103.8 101.2 151.8

51 34.7 29.5 44.3

86 49.6 52.3 78.5#



#26

2,2-Dichloropropane

Concen: 0.28 ug/l

RT: 4.76 min Scan# 591

Delta R.T. 0.18 min

Lab File: VX004525.D

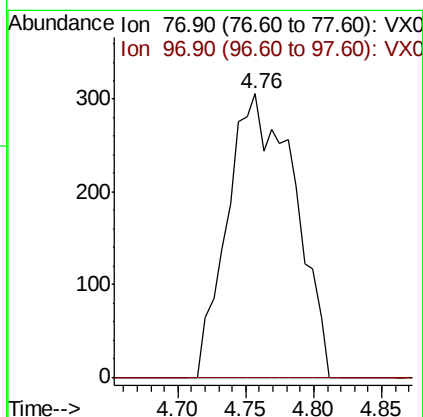
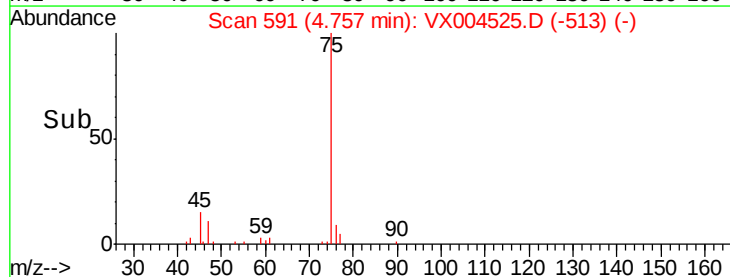
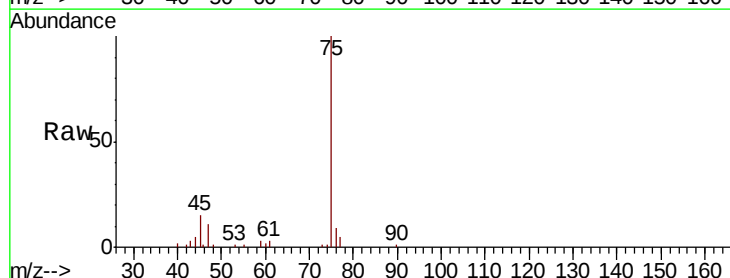
Acq: 13 Sep 2018 19:15

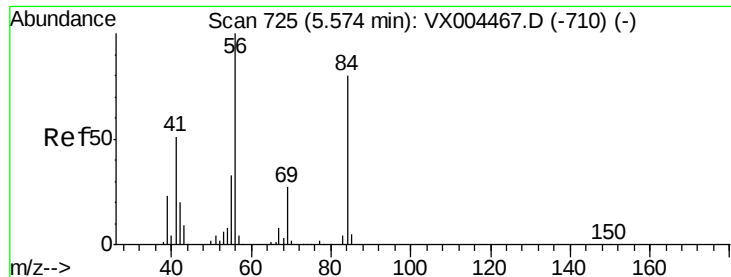
Tgt Ion: 77 Resp: 1048

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

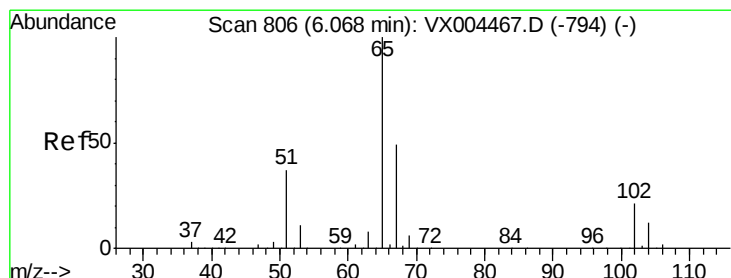
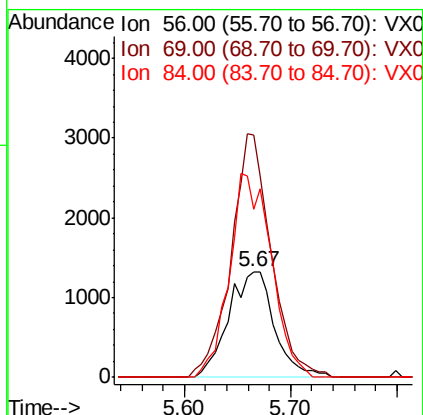
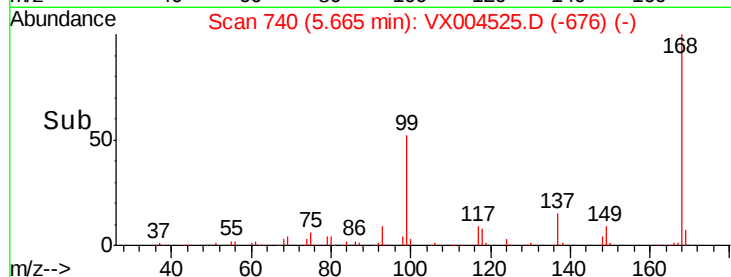
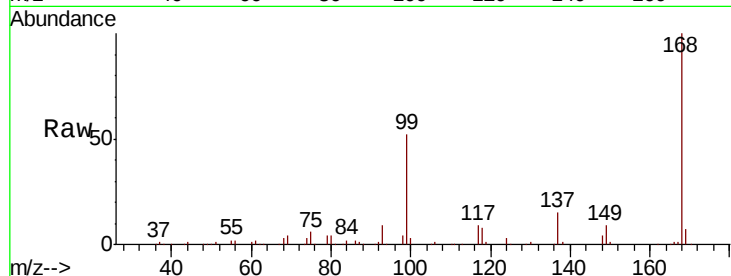




#31
Cyclohexane
Concen: 0.86 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004525.D
Acq: 13 Sep 2018 19:15

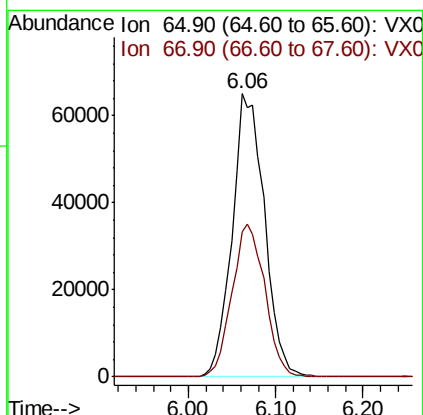
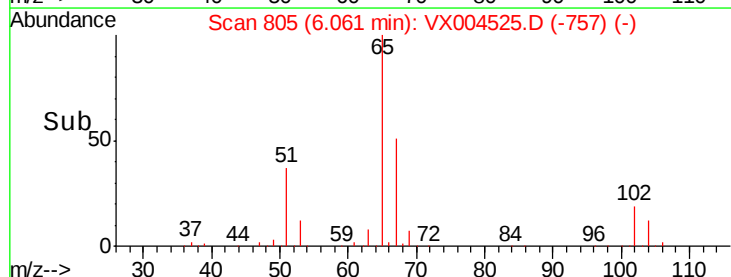
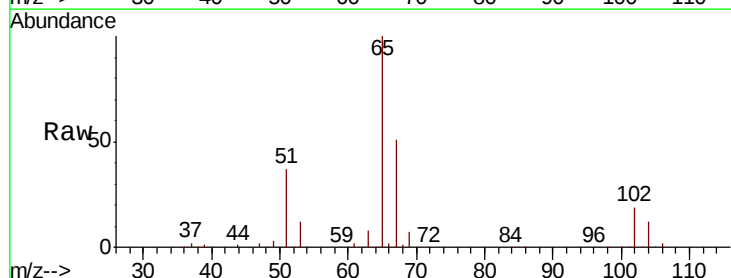
Instrument :
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C-MW-11-091118

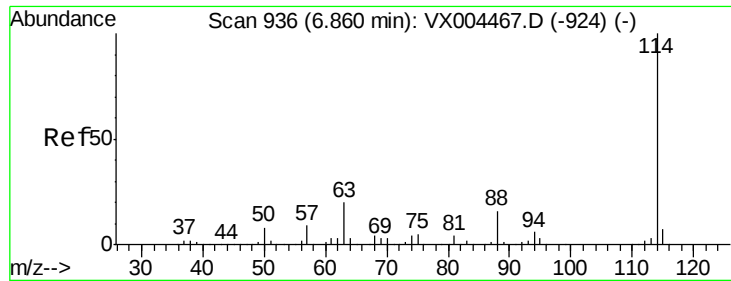
Tot Ion: 56 Resp: 4000
Ion Ratio Lower Upper
56 100
69 228.4 25.4 38.2#
84 159.1 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 51.85 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX004525.D
Acq: 13 Sep 2018 19:15

Tgt Ion: 65 Resp: 167180
Ion Ratio Lower Upper
65 100
67 54.9 0.0 106.8

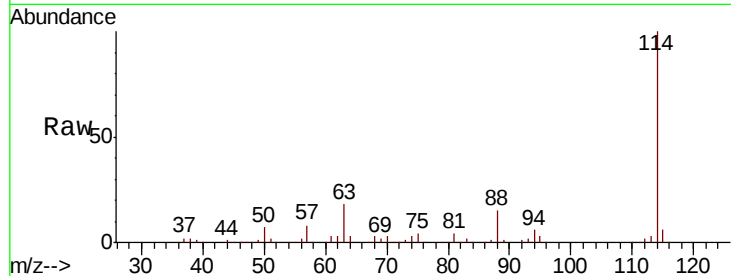




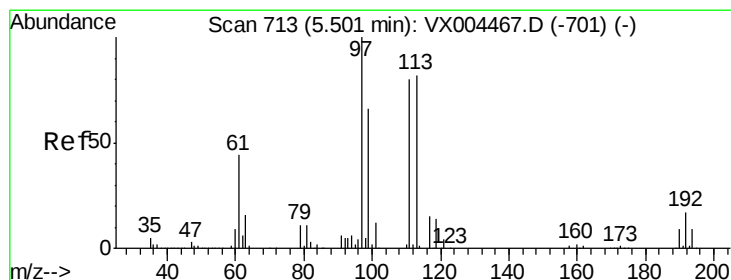
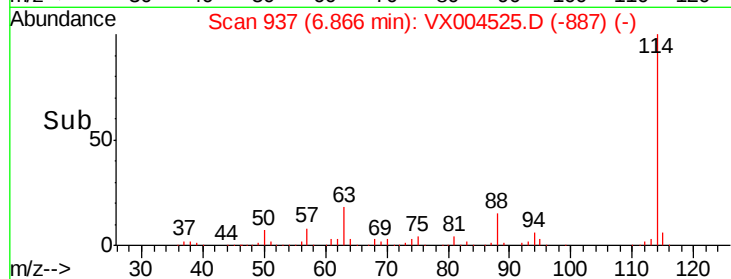
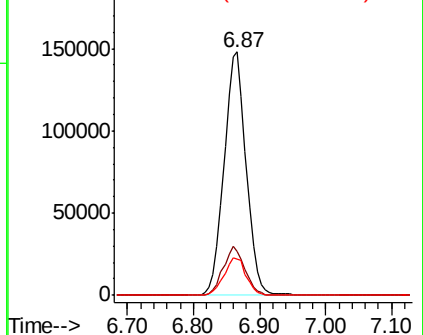
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004525.D
 Acq: 13 Sep 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-11-091118

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	39.0
88	14.6	0.0	30.4

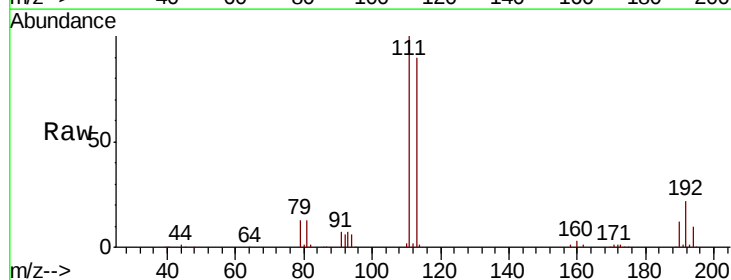


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

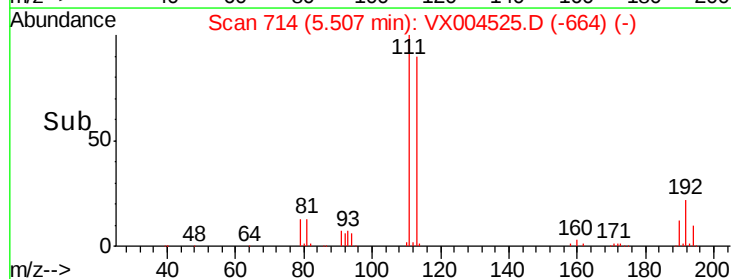
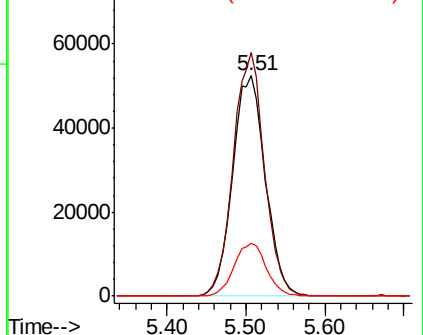


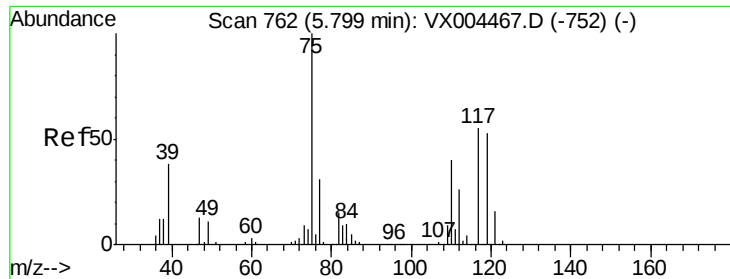
#35
 Dibromofluoromethane
 Concen: 48.29 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004525.D
 Acq: 13 Sep 2018 19:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.4	123.6
192	23.7	19.4	29.2



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

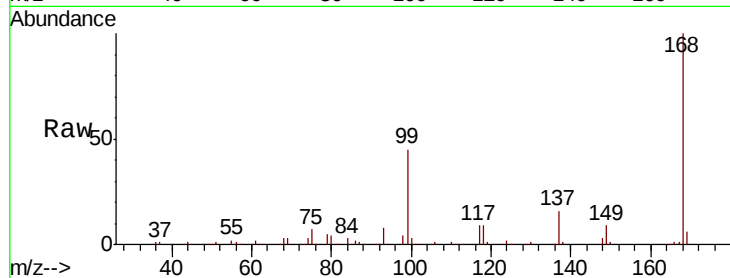




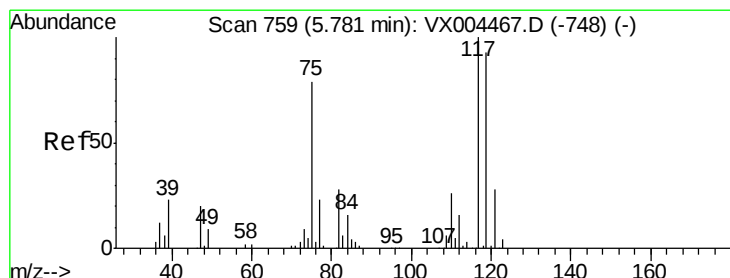
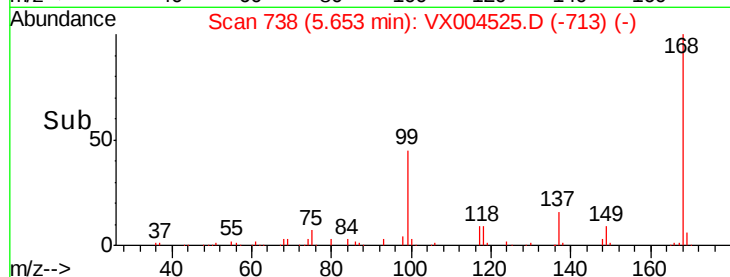
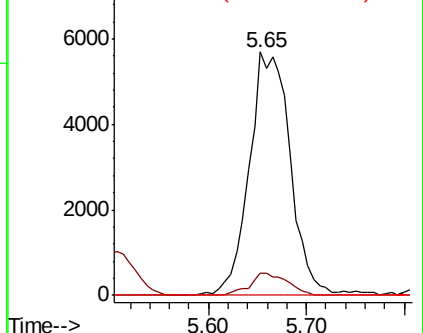
#36
 1,1-Dichloropropene
 Concen: 3.97 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX004525.D
 Acq: 13 Sep 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-11-091118

Tot Ion	75	Resp	16497
Ion Ratio	100	Lower	Upper
110	8.3	18.0	54.0#
77	0.0	24.6	36.8#

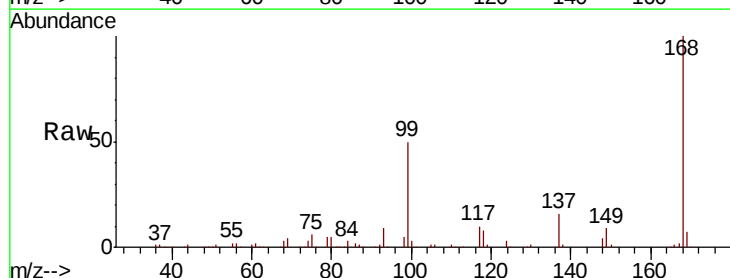


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

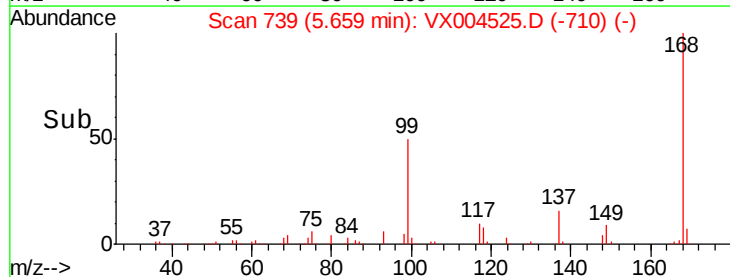
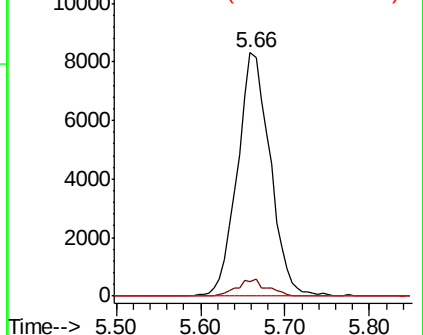


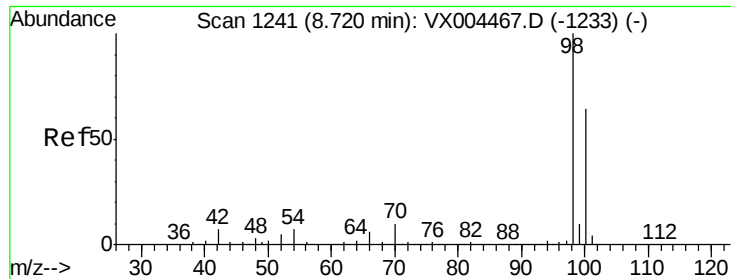
#38
 Carbon Tetrachloride
 Concen: 5.39 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004525.D
 Acq: 13 Sep 2018 19:15

Tgt Ion	117	Resp	21877
Ion Ratio	100	Lower	Upper
119	5.7	78.8	118.2#
121	0.0	24.9	37.3#



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





#50

Toluene-d8

Concen: 47.69 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004525.D

Acq: 13 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

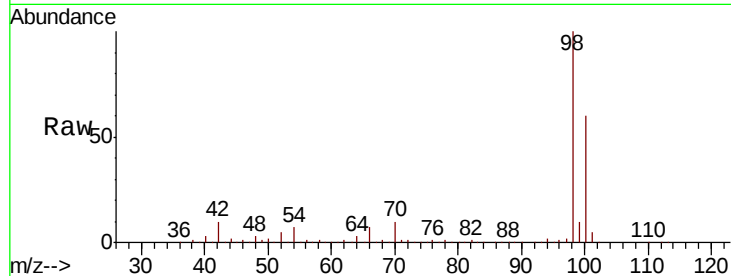
C-MW-11-091118

Tot Ion: 98 Resp: 501266

Ion Ratio Lower Upper

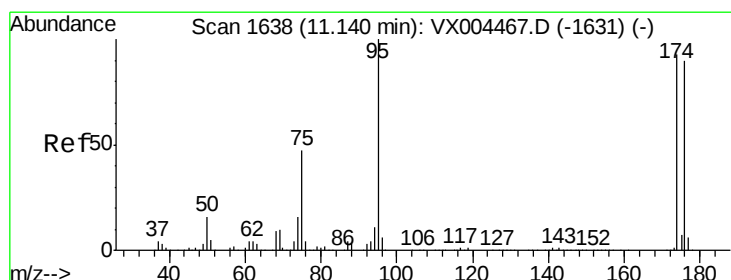
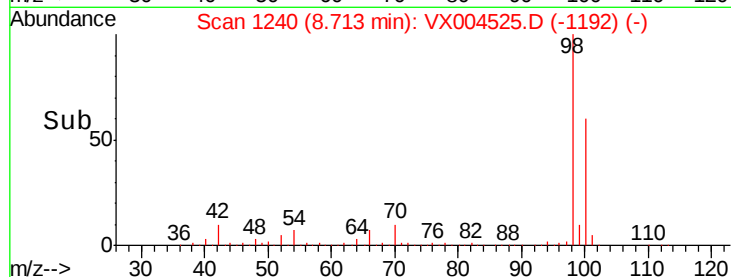
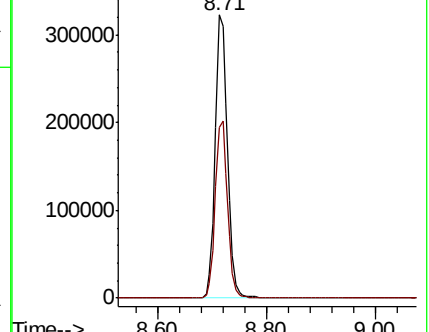
98 100

100 63.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.23 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004525.D

Acq: 13 Sep 2018 19:15

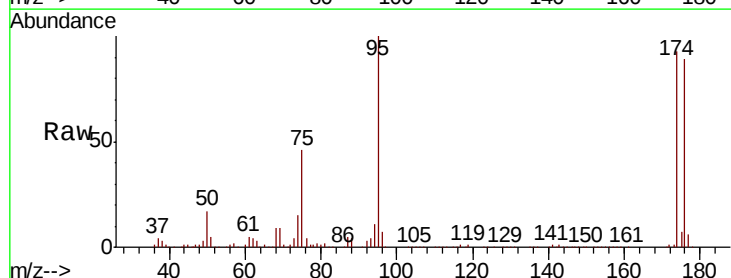
Tgt Ion: 95 Resp: 169733

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.2

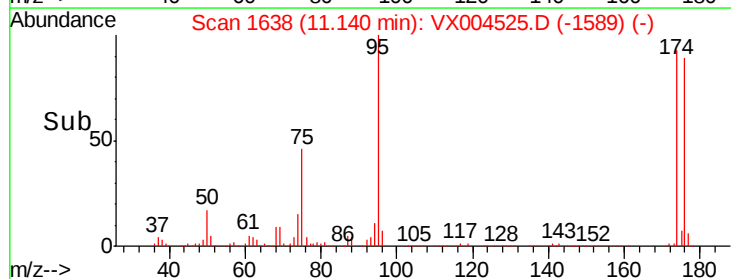
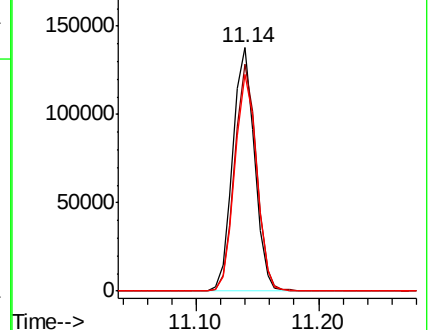
176 89.4 0.0 178.6

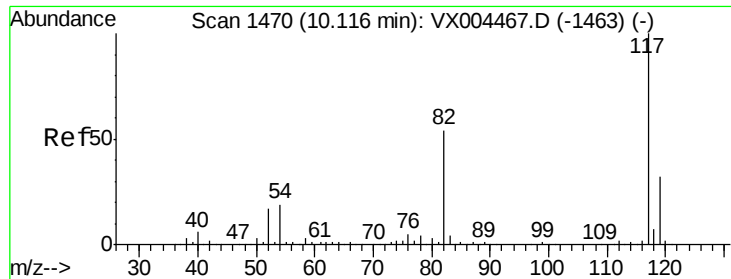


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

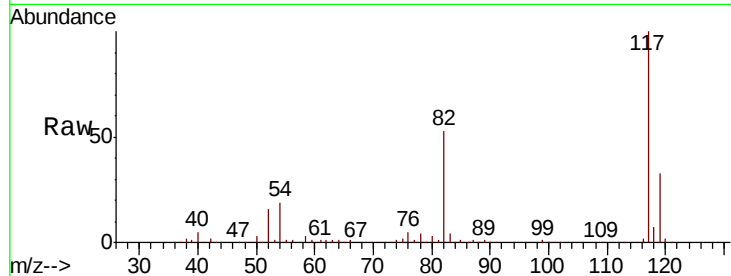




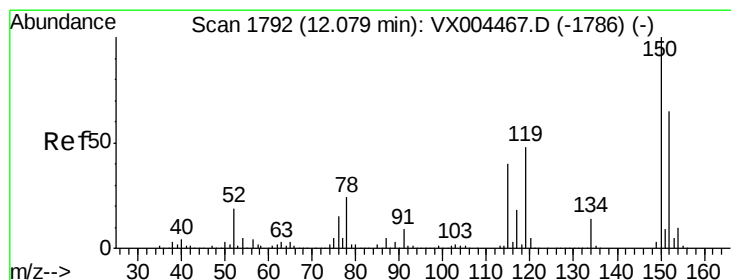
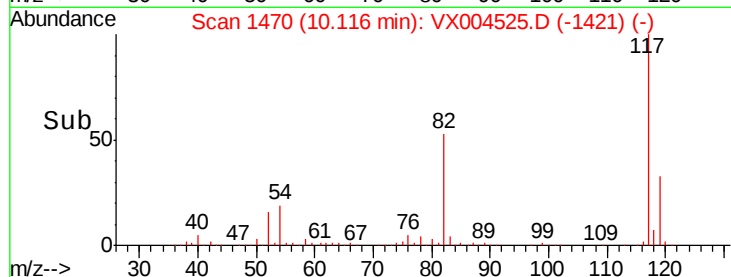
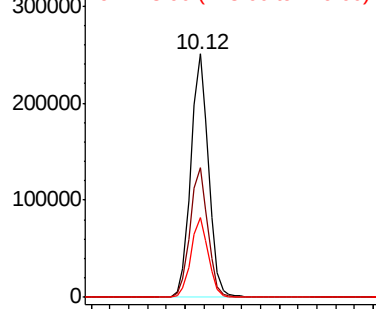
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004525.D
Acq: 13 Sep 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
C-MW-11-091118

Tot Ion:117 Resp: 326968
Ion Ratio Lower Upper
117 100
82 53.5 47.8 71.6
119 32.6 29.3 43.9

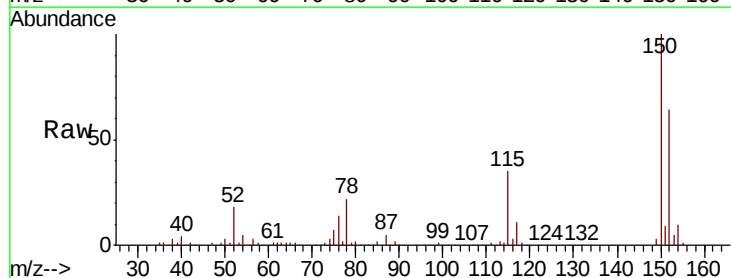


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

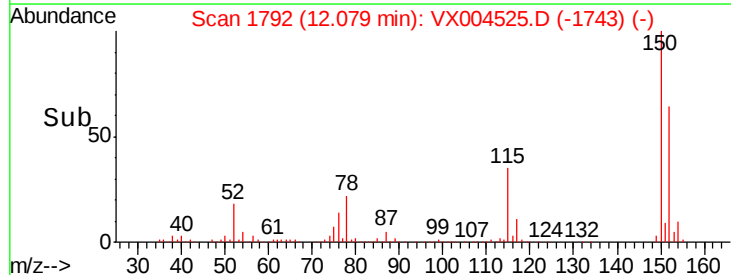
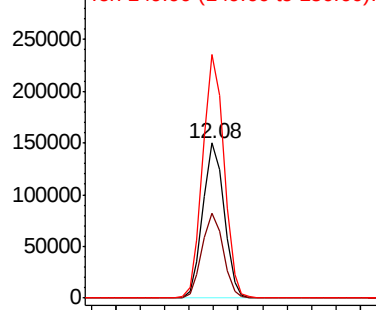


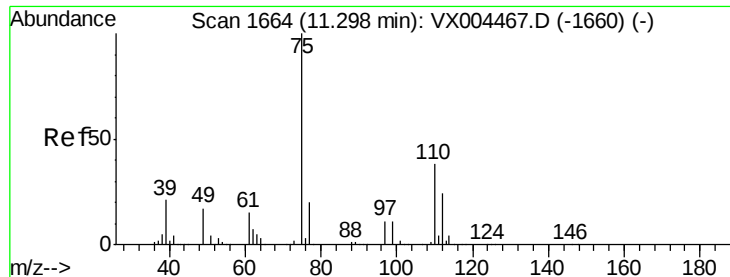
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004525.D
Acq: 13 Sep 2018 19:15

Tgt Ion:152 Resp: 180315
Ion Ratio Lower Upper
152 100
115 54.6 39.0 117.0
150 156.7 0.0 351.0



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: 22.13 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004525.D

Acq: 13 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

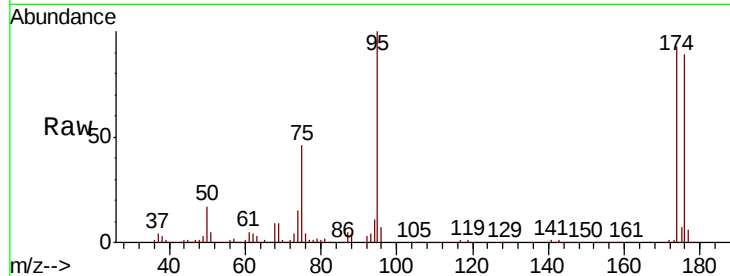
C-MW-11-091118

Tot Ion: 75 Resp: 80289

Ion Ratio Lower Upper

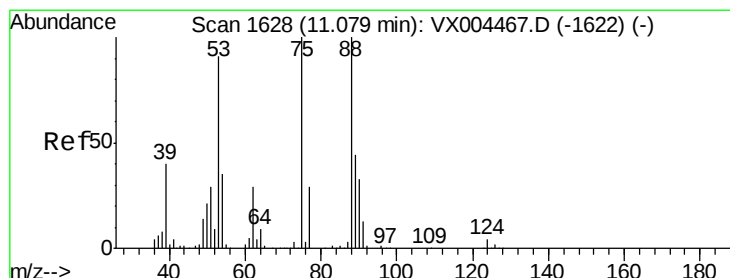
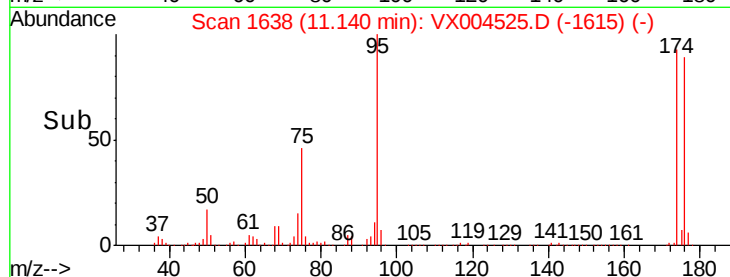
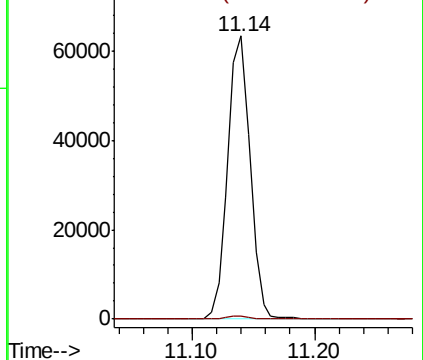
75 100

77 1.2 20.2 60.6#



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: 70.54 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004525.D

Acq: 13 Sep 2018 19:15

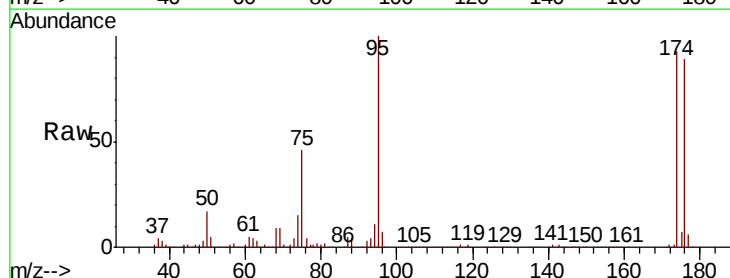
Tgt Ion: 75 Resp: 80289

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

