

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004608.D
 Acq On : 16 Sep 2018 02:39
 Operator : JC/MD
 Sample : J4913-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW07-20180913

Quant Time: Sep 17 08:45:25 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	238684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200192	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	157021	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	5.50	113	142784	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
50) Toluene-d8	8.72	98	456907	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	
62) 4-Bromofluorobenzene	11.14	95	160712	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

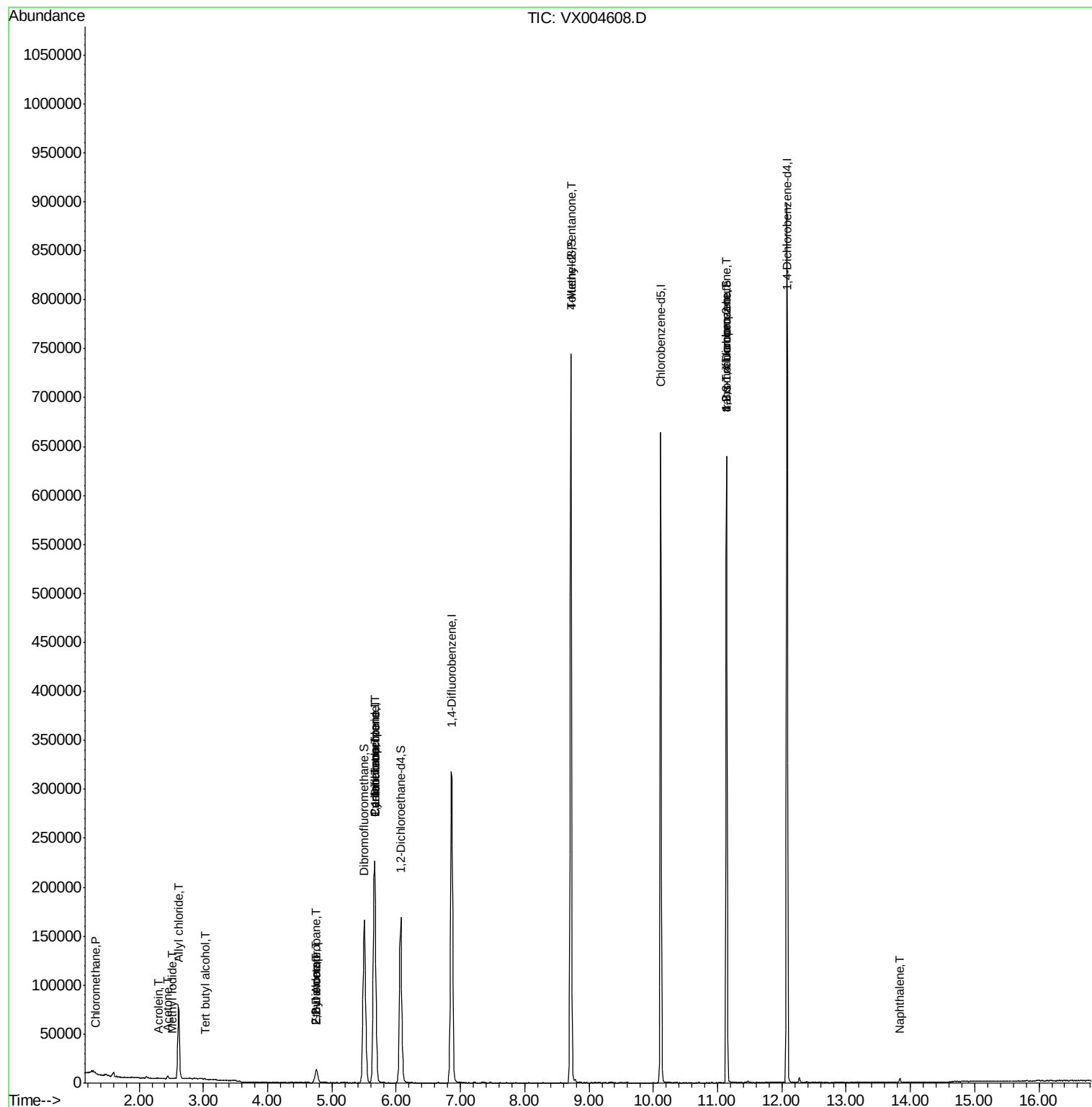
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	657	0.21	ug/l	# 75
5) Bromomethane	1.65	94	867	Below	Cal	# 75
10) Methyl Iodide	2.52	142	333	4.35	ug/l	# 71
11) Tert butyl alcohol	3.03	59	674	0.92	ug/l	# 72
13) Acrolein	2.29	56	200	0.69	ug/l	# 46
14) Allyl chloride	2.61	41	7530	1.47	ug/l	# 67
16) Acetone	2.45	43	2976	1.98	ug/l	90
25) 2-Butanone	4.75	43	1132	0.47	ug/l	# 47
26) 2,2-Dichloropropane	4.75	77	1172	0.33	ug/l	# 52
31) Cyclohexane	5.67	56	3746	0.84	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	15939	4.00	ug/l	# 49
37) Ethyl Acetate	4.75	43	1132	0.25	ug/l	# 27
38) Carbon Tetrachloride	5.67	117	20525	5.27	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.71	43	1927	0.45	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	75748	18.81	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	75748	59.95	ug/l	# 10
95) Naphthalene	13.83	128	3282	0.24	ug/l	99

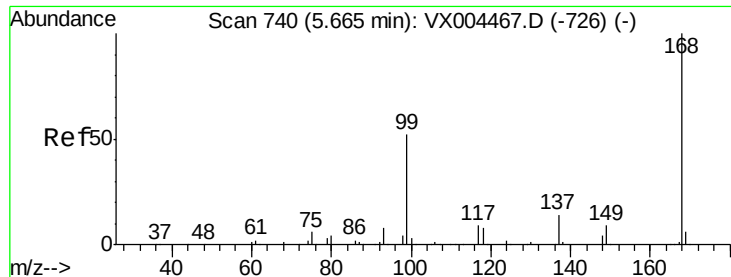
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004608.D

Acq: 16 Sep 2018 02:39

Instrument :

MSVOA_X

ClientSampleId :

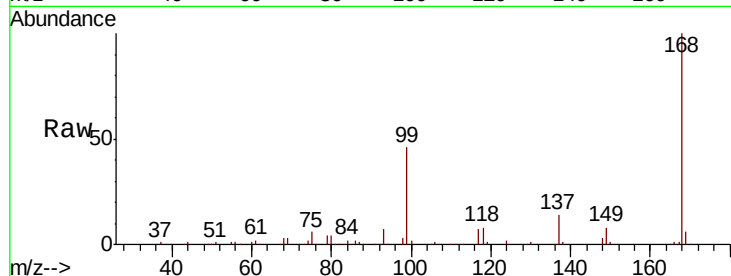
BP-TT-AOC22-MW07-20180913

Tot Ion:168 Resp: 238684

Ion Ratio Lower Upper

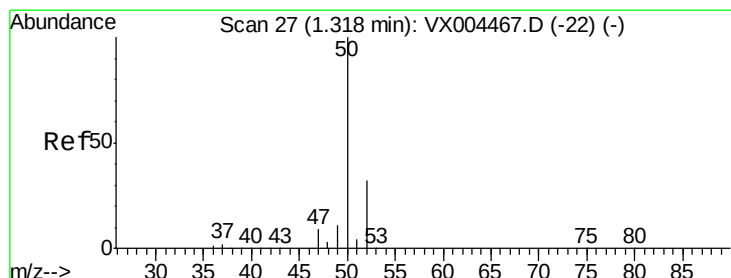
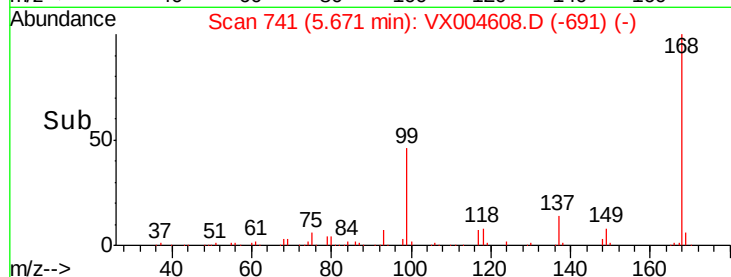
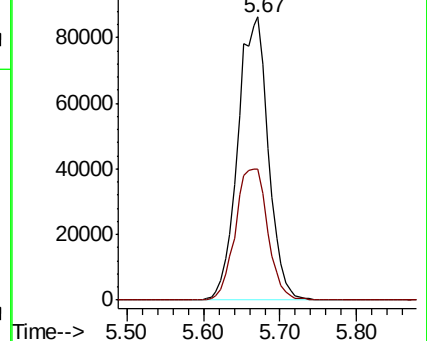
168 100

99 46.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004608.D

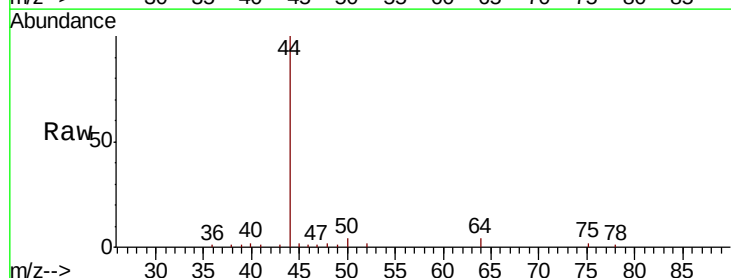
Acq: 16 Sep 2018 02:39

Tgt Ion: 50 Resp: 657

Ion Ratio Lower Upper

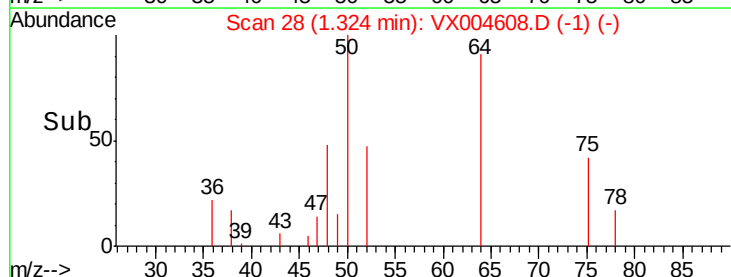
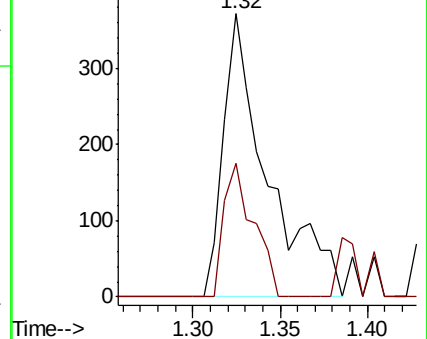
50 100

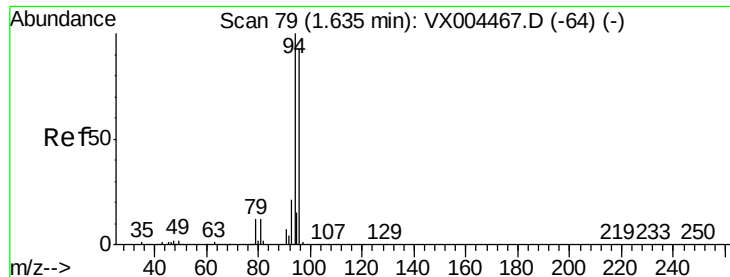
52 47.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004608.D

Acq: 16 Sep 2018 02:39

Instrument :

MSVOA_X

ClientSampleId :

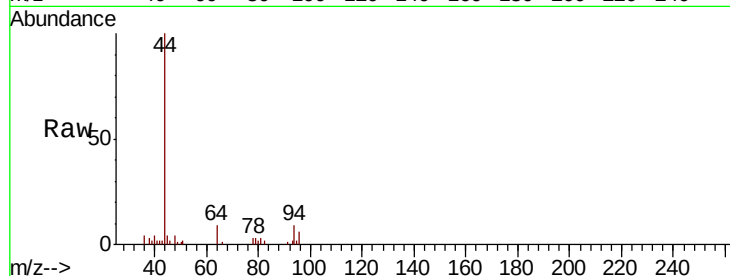
BP-TT-AOC22-MW07-20180913

Tot Ion: 94 Resp: 867

Ion Ratio Lower Upper

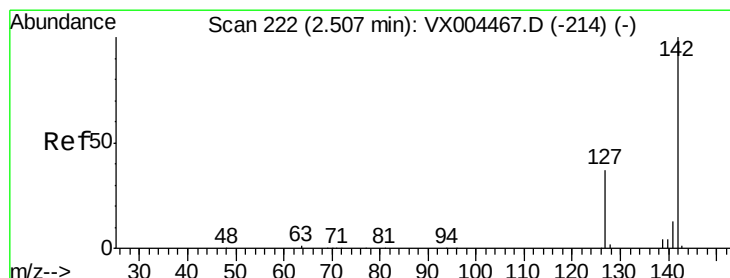
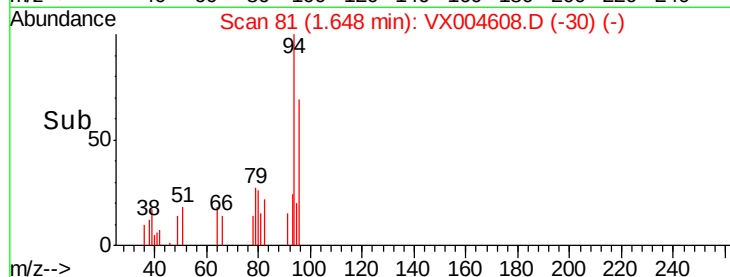
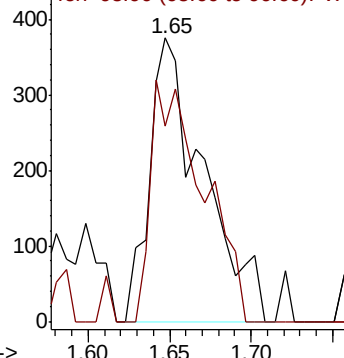
94 100

96 69.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.35 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004608.D

Acq: 16 Sep 2018 02:39

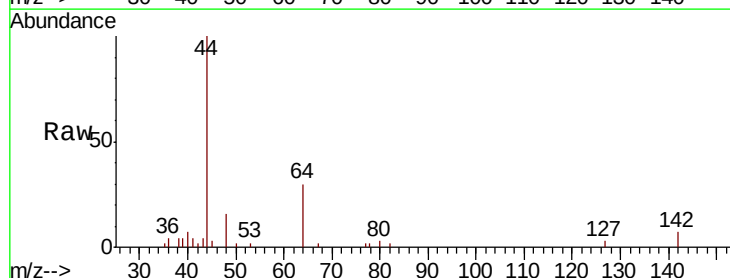
Tgt Ion: 142 Resp: 333

Ion Ratio Lower Upper

142 100

127 24.9 33.8 50.6#

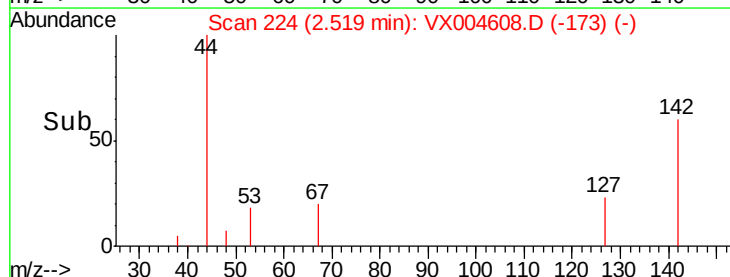
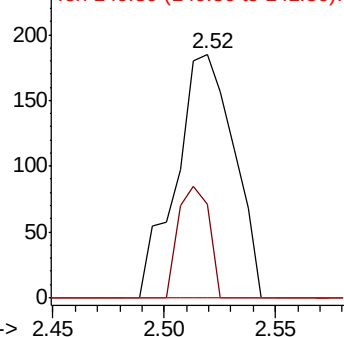
141 0.0 11.4 17.0#

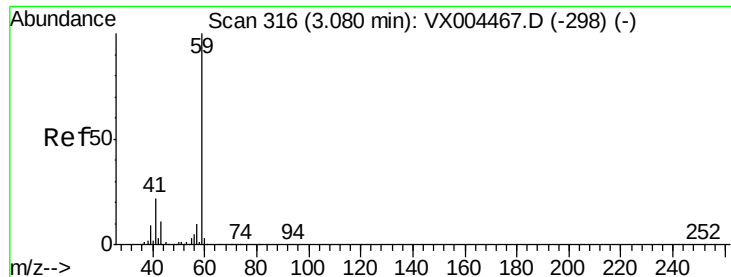


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



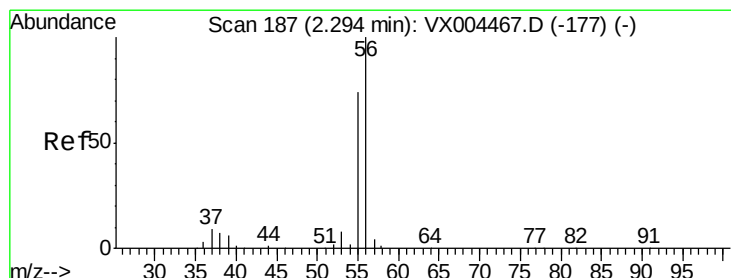
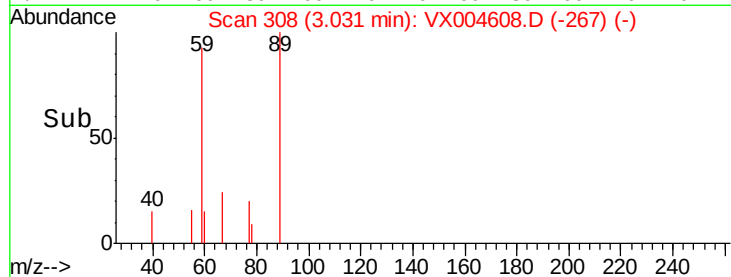
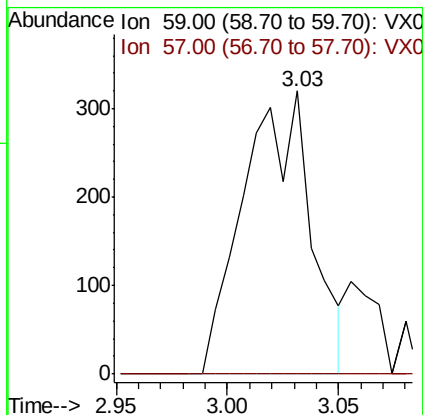
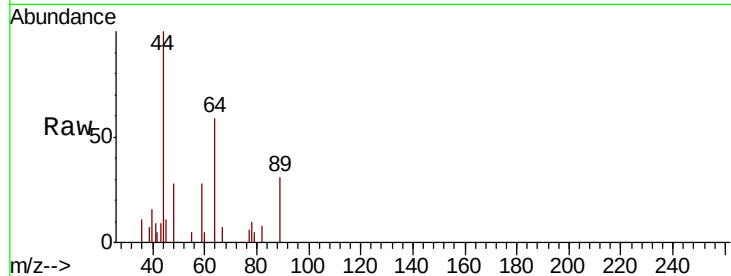


#11

Tert butyl alcohol
 Concen: 0.92 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.05 min
 Lab File: VX004608.D
 Acq: 16 Sep 2018 02:39

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW07-20180913

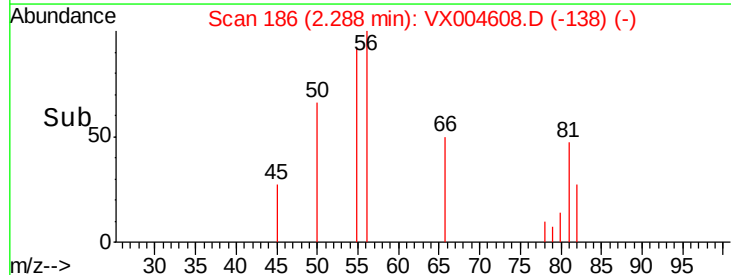
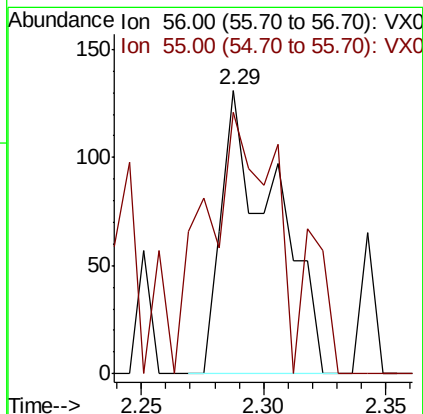
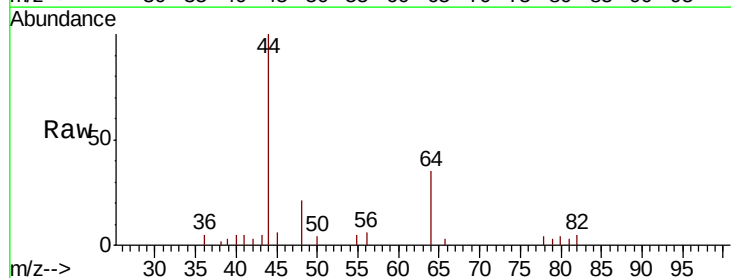
Tot Ion: 59 Resp: 674
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

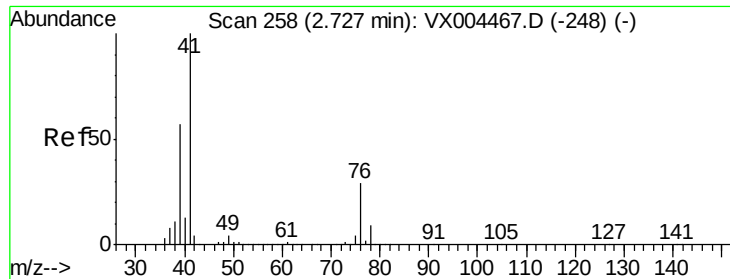


#13

Acrolein
 Concen: 0.69 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX004608.D
 Acq: 16 Sep 2018 02:39

Tgt Ion: 56 Resp: 200
 Ion Ratio Lower Upper
 56 100
 55 112.5 54.7 82.1#

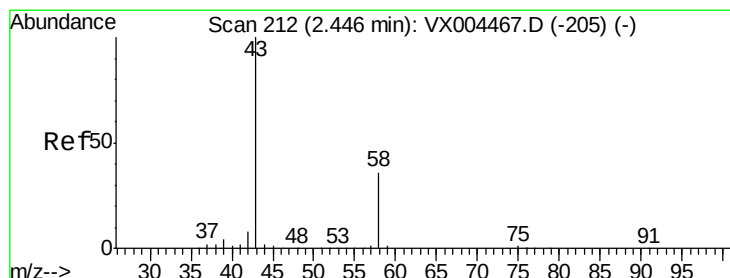
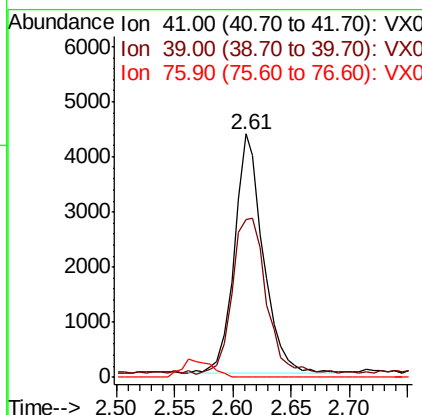
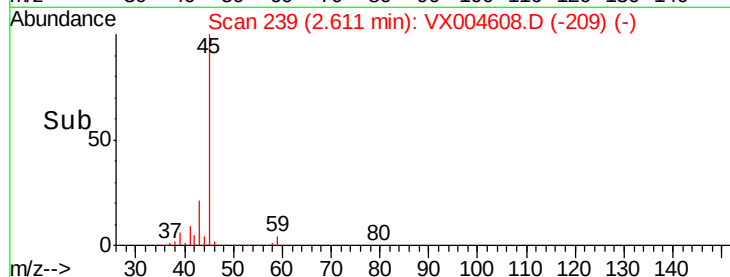
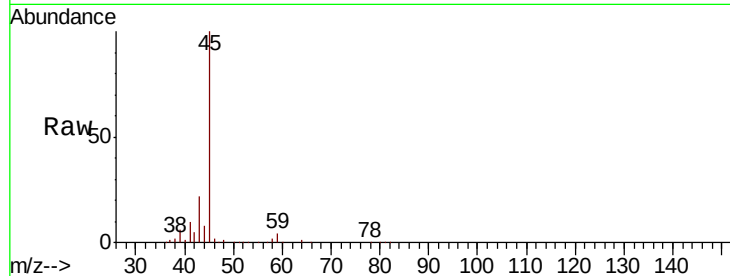




#14
 Allvl chloride
 Concen: 1.47 ug/l
 RT: 2.61 min Scan# 239
 Delta R.T. -0.12 min
 Lab File: VX004608.D
 Acq: 16 Sep 2018 02:39

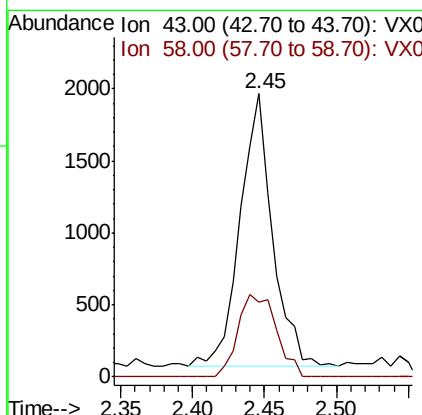
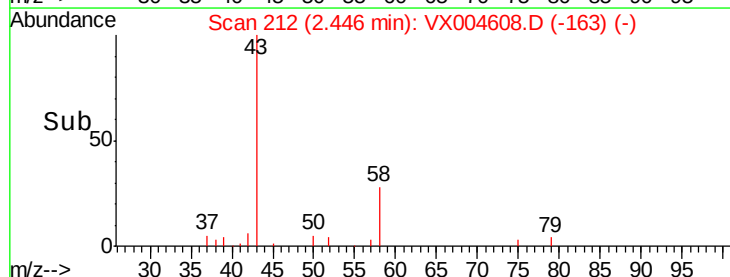
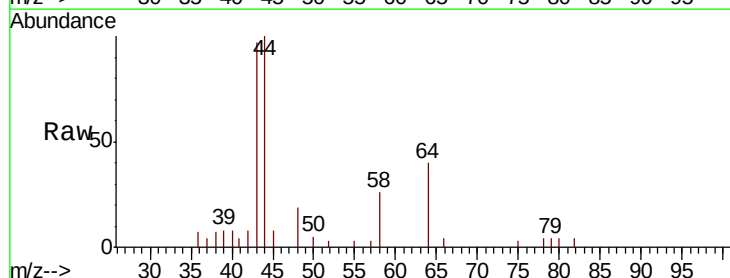
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW07-20180913

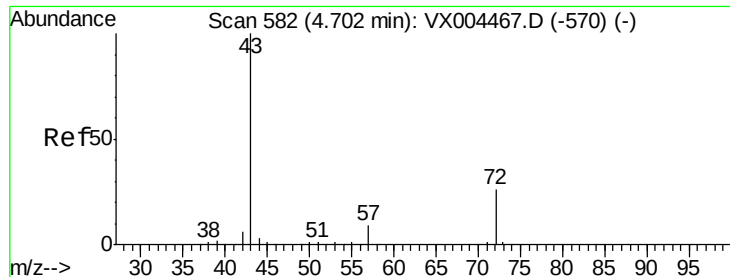
Tot Ion	Ratio	Lower	Upper
41	100		
39	76.0	48.9	73.3#
76	0.0	26.7	40.1#



#16
 Acetone
 Concen: 1.98 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX004608.D
 Acq: 16 Sep 2018 02:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.4	26.2	39.4





#25

2-Butanone

Concen: 0.47 ug/l

RT: 4.75 min Scan# 590

Delta R.T. 0.05 min

Lab File: VX004608.D

Acq: 16 Sep 2018 02:39

Instrument :

MSVOA_X

ClientSampleId :

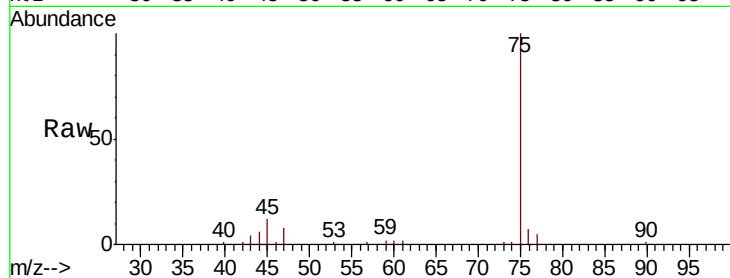
BP-TT-AOC22-MW07-20180913

Tot Ion: 43 Resp: 1132

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.75

300

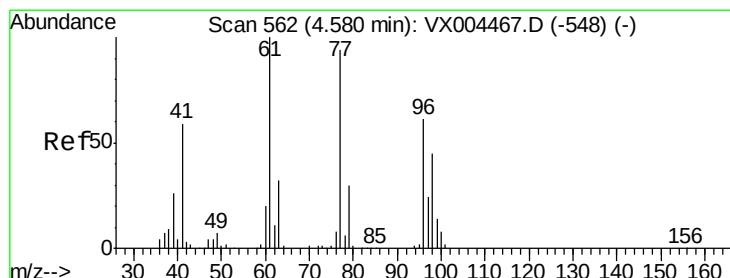
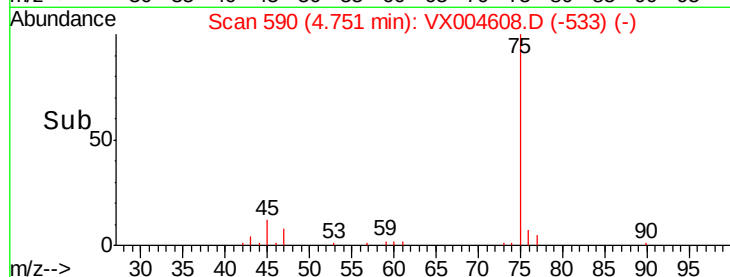
200

100

0

4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 0.33 ug/l

RT: 4.75 min Scan# 590

Delta R.T. 0.17 min

Lab File: VX004608.D

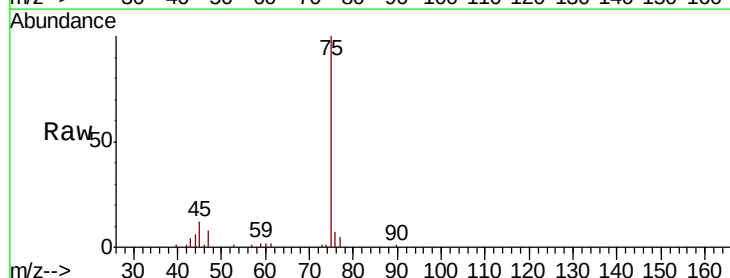
Acq: 16 Sep 2018 02:39

Tgt Ion: 77 Resp: 1172

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.75

400

300

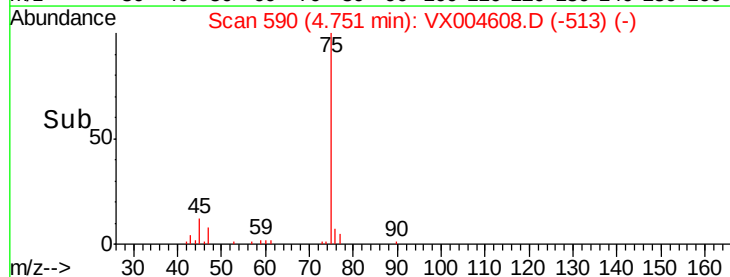
200

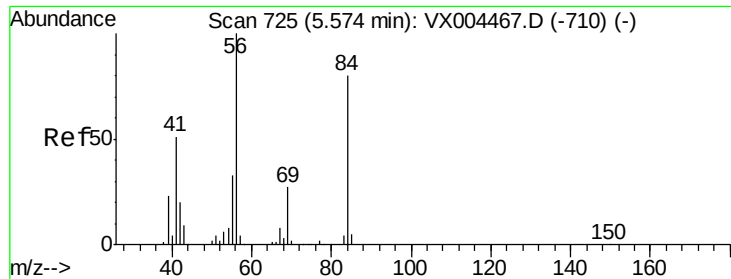
100

0

4.65 4.70 4.75 4.80 4.85

Time-->

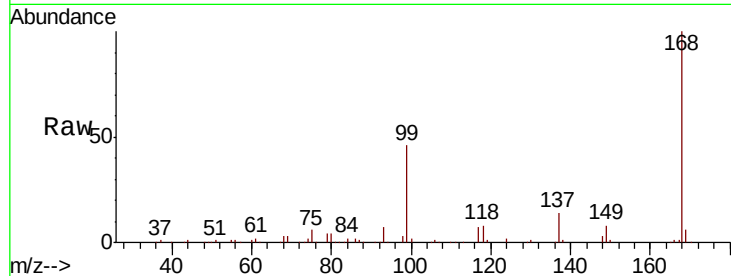




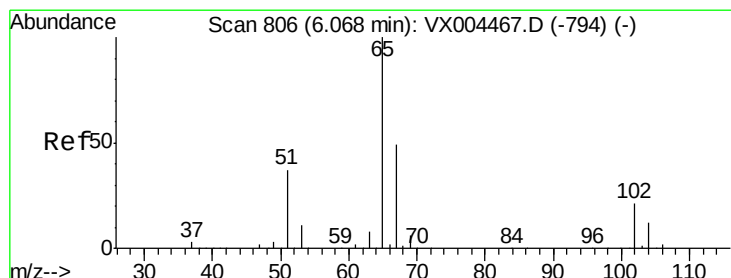
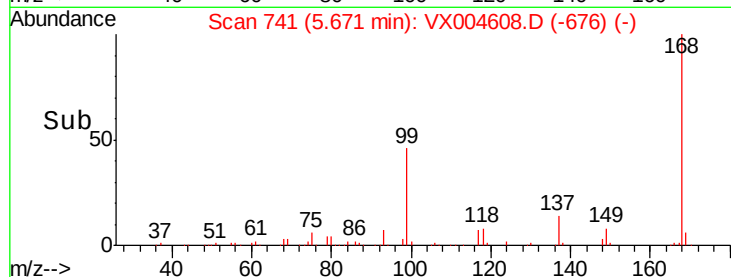
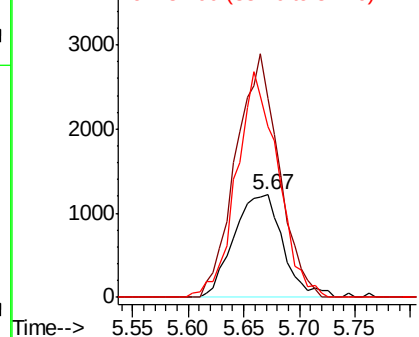
#31
Cyclohexane
Concen: 0.84 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX004608.D
Acq: 16 Sep 2018 02:39

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW07-20180913

Tot Ion: 56 Resp: 3746
Ion Ratio Lower Upper
56 100
69 193.6 25.4 38.2#
84 166.6 71.4 107.2#

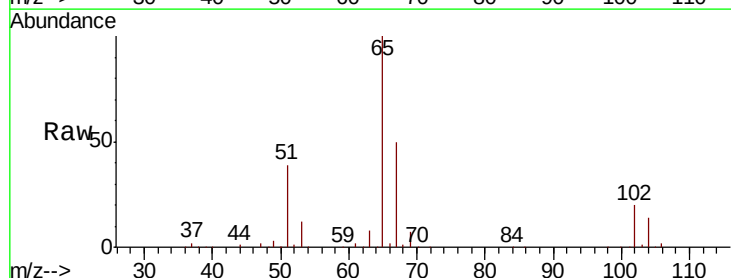


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

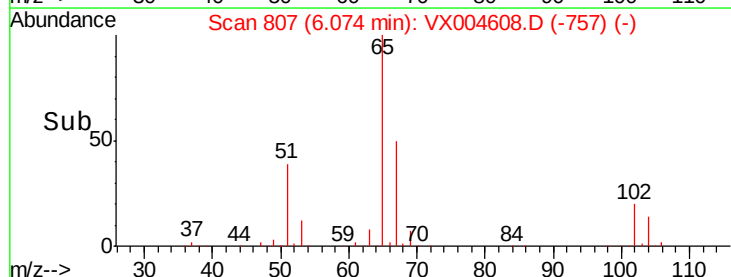
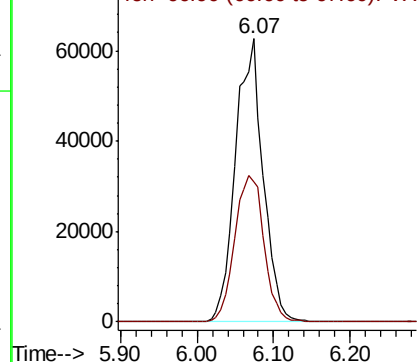


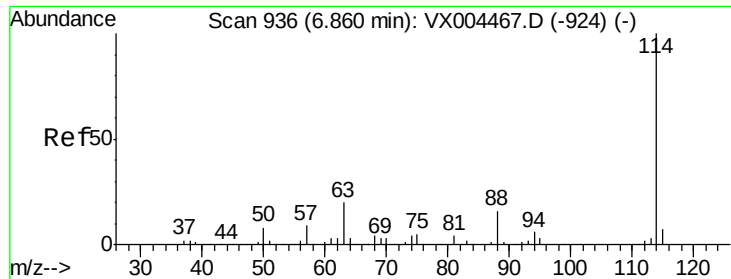
#33
1,2-Dichloroethane-d4
Concen: 51.02 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX004608.D
Acq: 16 Sep 2018 02:39

Tgt Ion: 65 Resp: 157021
Ion Ratio Lower Upper
65 100
67 54.7 0.0 106.8



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

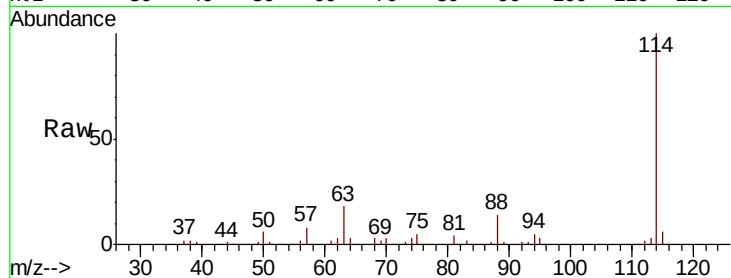




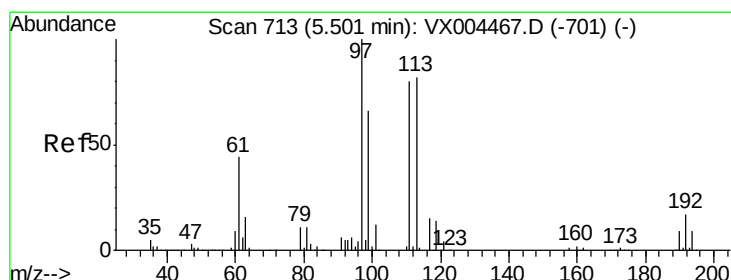
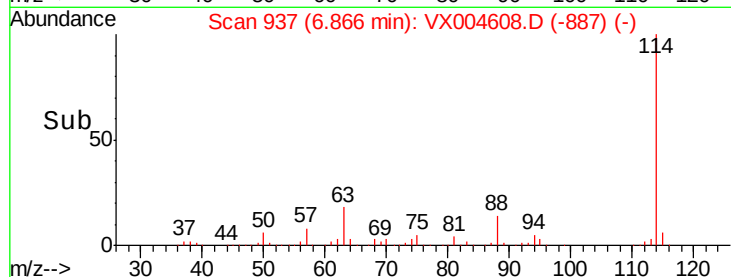
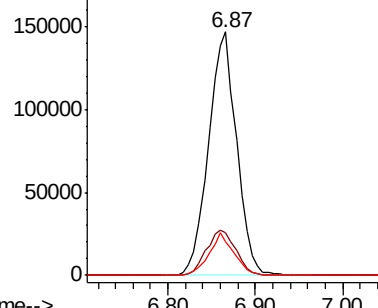
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX004608.D
Acq: 16 Sep 2018 02:39

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW07-20180913

Tot Ion:114 Resp: 328424
Ion Ratio Lower Upper
114 100
63 17.6 0.0 39.0
88 13.8 0.0 30.4

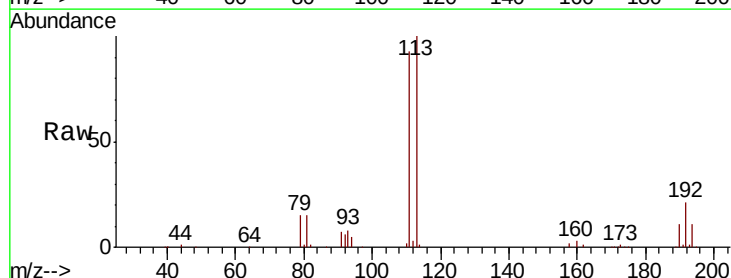


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

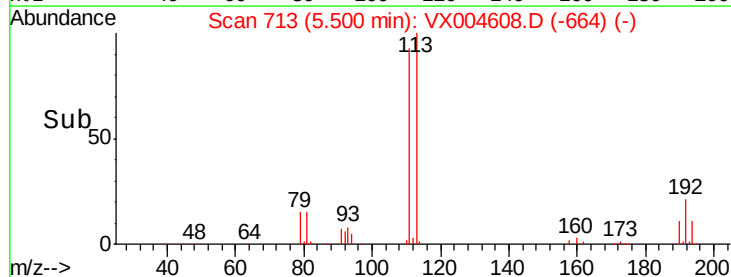
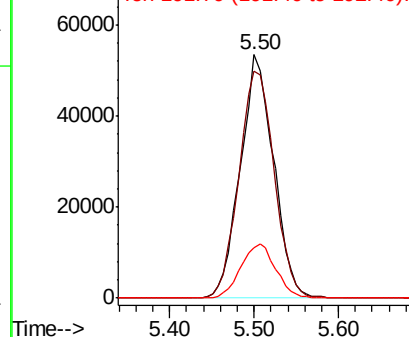


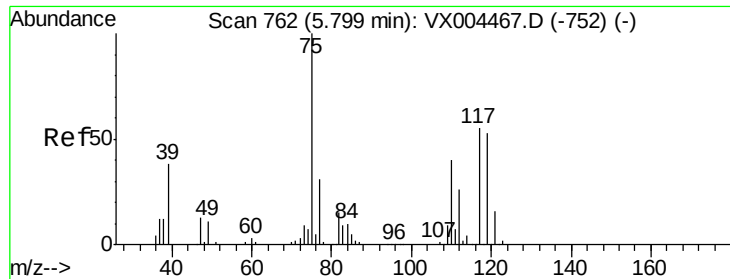
#35
Dibromofluoromethane
Concen: 47.51 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX004608.D
Acq: 16 Sep 2018 02:39

Tgt Ion:113 Resp: 142784
Ion Ratio Lower Upper
113 100
111 99.0 82.4 123.6
192 23.2 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

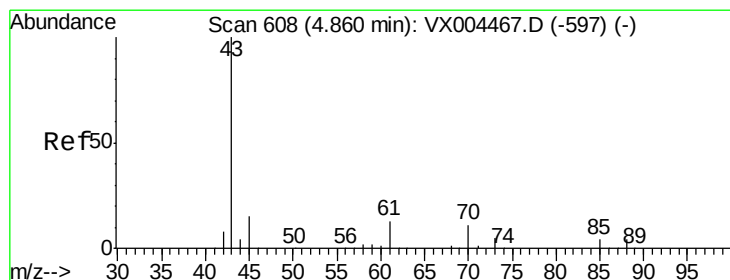
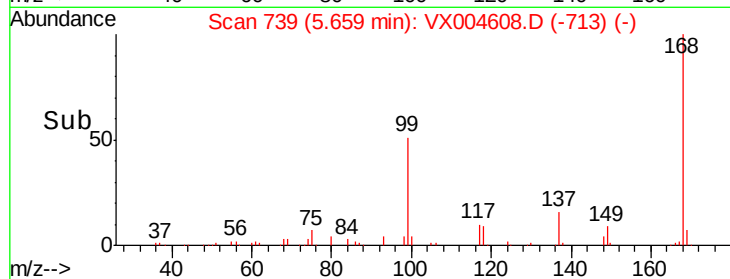
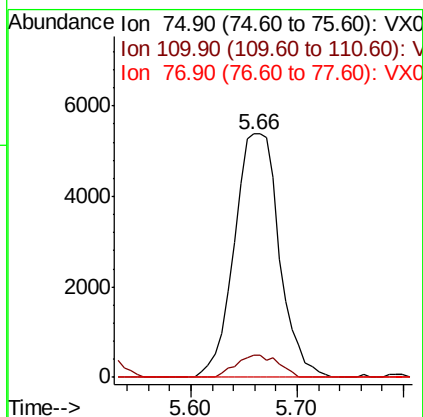
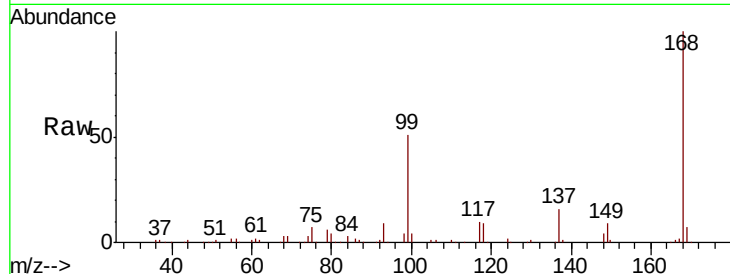




#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004608.D
 Acq: 16 Sep 2018 02:39

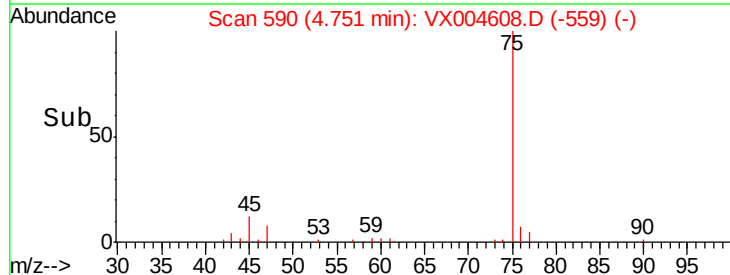
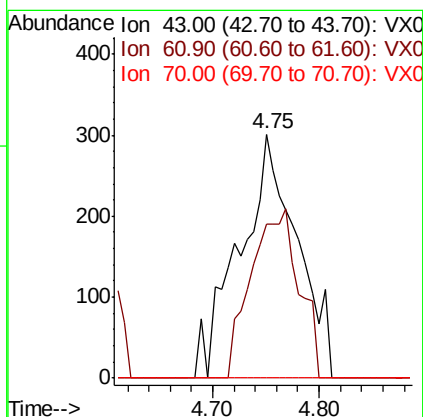
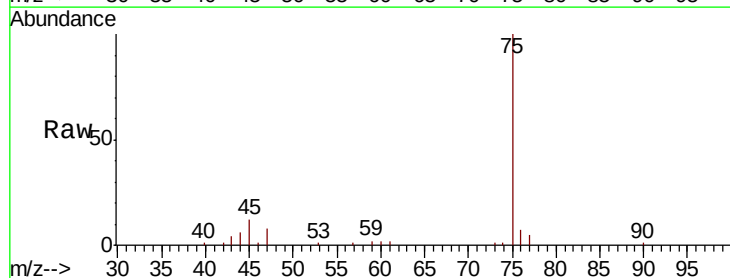
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW07-20180913

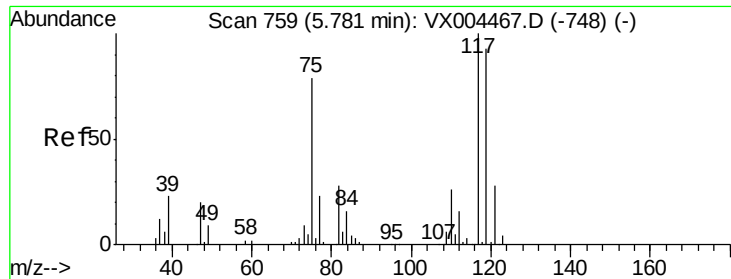
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.0	54.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.25 ug/l
 RT: 4.75 min Scan# 590
 Delta R.T. -0.11 min
 Lab File: VX004608.D
 Acq: 16 Sep 2018 02:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	58.0	11.5	17.3#
70	0.0	9.0	13.6#





#38

Carbon Tetrachloride

Concen: 5.27 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004608.D

Acq: 16 Sep 2018 02:39

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW07-20180913

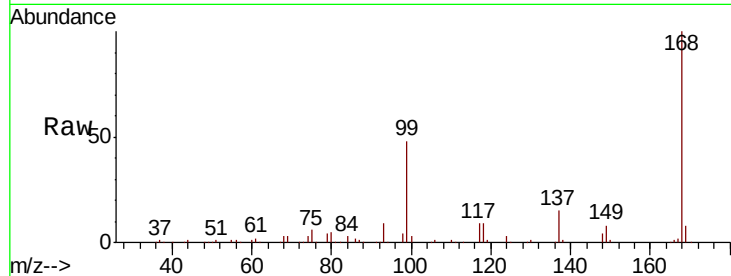
Tot Ion:117 Resp: 20525

Ion Ratio Lower Upper

117 100

119 6.7 78.8 118.2#

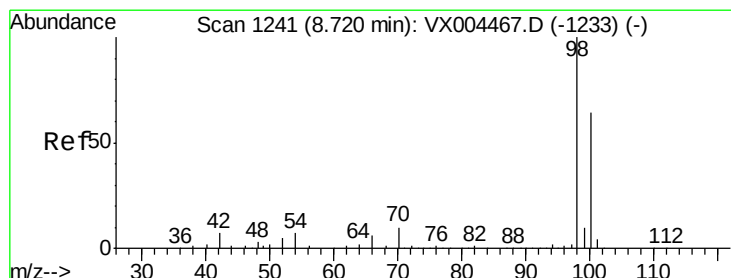
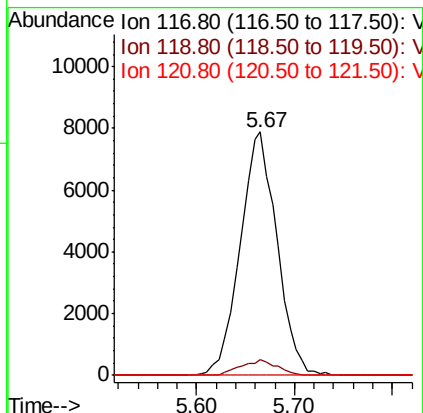
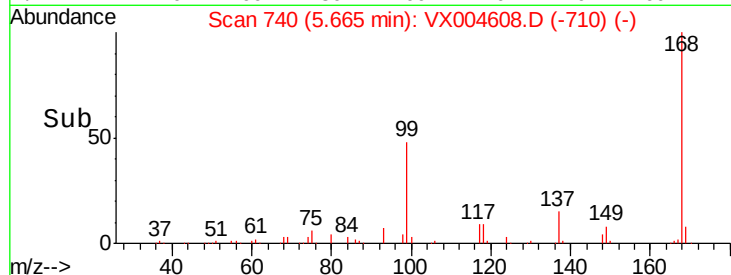
121 0.0 24.9 37.3#



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: 45.33 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004608.D

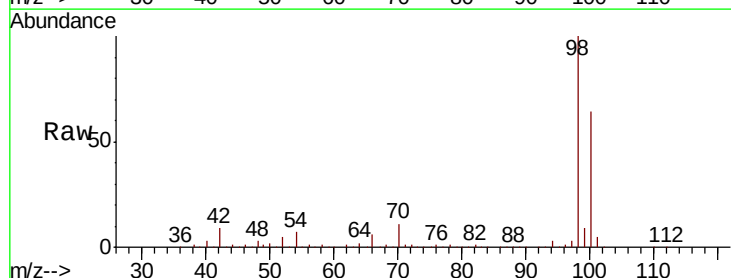
Acq: 16 Sep 2018 02:39

Tgt Ion: 98 Resp: 456907

Ion Ratio Lower Upper

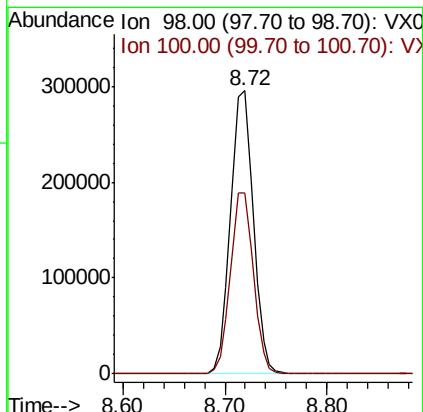
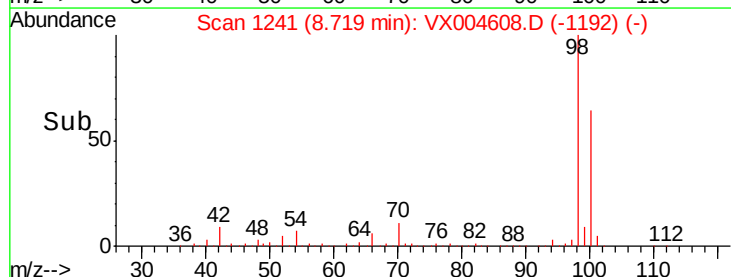
98 100

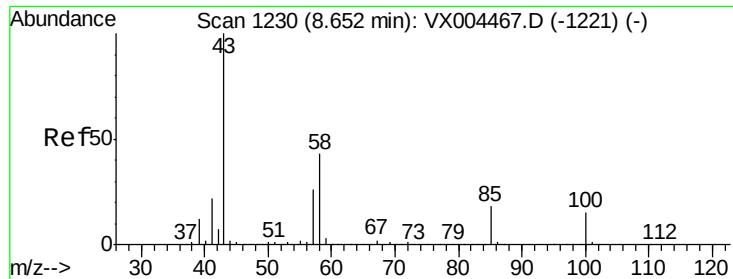
100 64.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.45 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX004608.D

Acq: 16 Sep 2018 02:39

Instrument :

MSVOA_X

ClientSampleId :

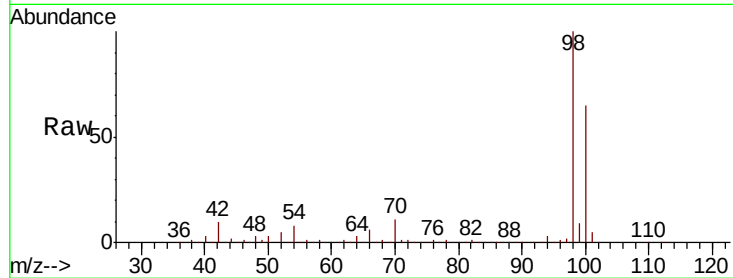
BP-TT-AOC22-MW07-20180913

Tot Ion: 43 Resp: 1927

Ion Ratio Lower Upper

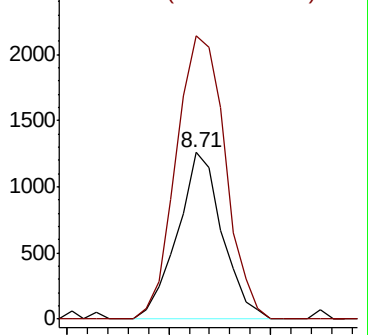
43 100

58 185.9 33.1 49.7#

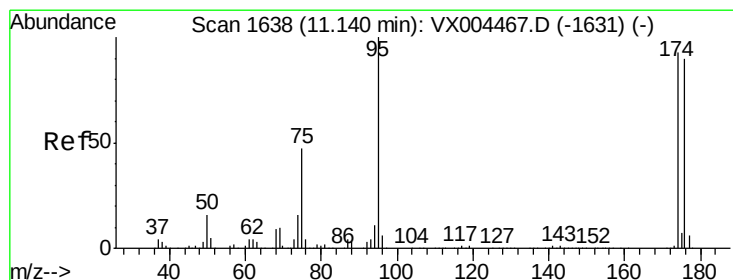
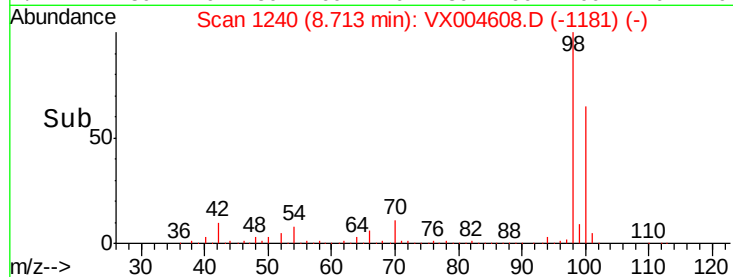


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 44.67 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004608.D

Acq: 16 Sep 2018 02:39

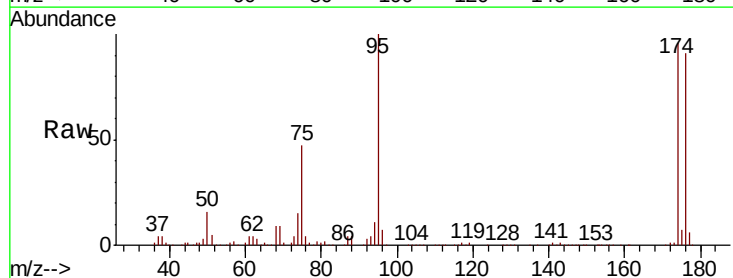
Tgt Ion: 95 Resp: 160712

Ion Ratio Lower Upper

95 100

174 93.5 0.0 185.2

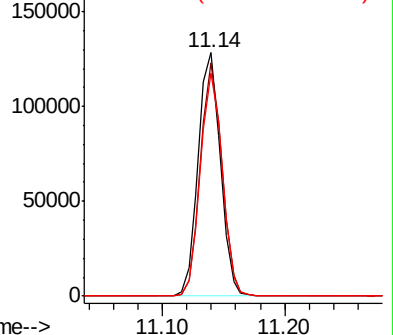
176 90.5 0.0 178.6



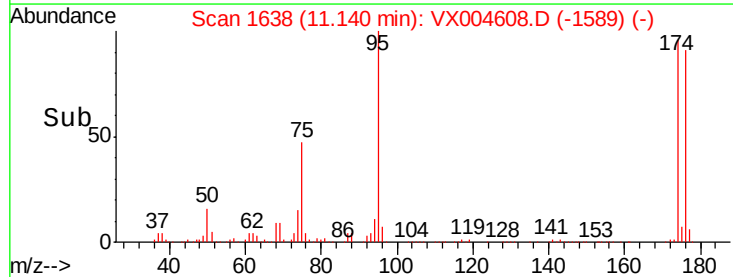
Abundance Ion 94.90 (94.60 to 95.60): VX0

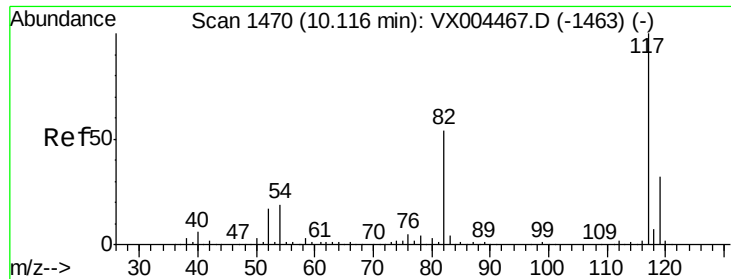
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

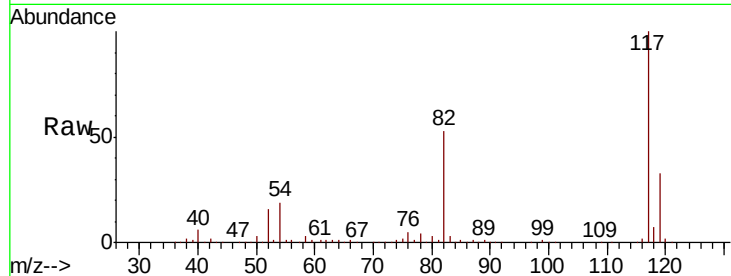




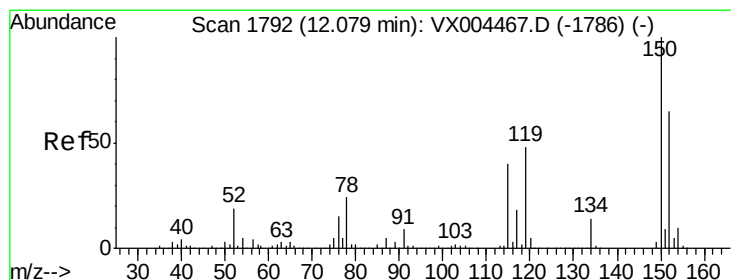
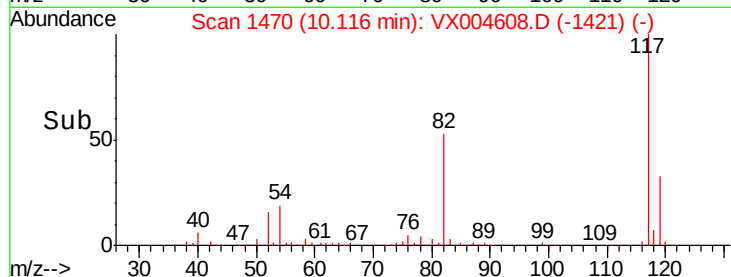
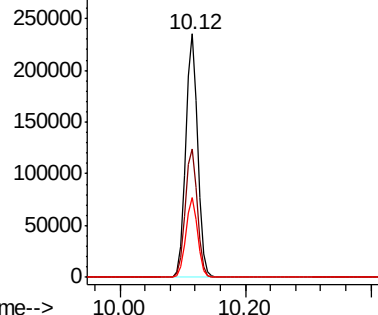
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004608.D
Acq: 16 Sep 2018 02:39

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW07-20180913

Tot Ion:117 Resp: 309215
Ion Ratio Lower Upper
117 100
82 53.0 47.8 71.6
119 32.6 29.3 43.9

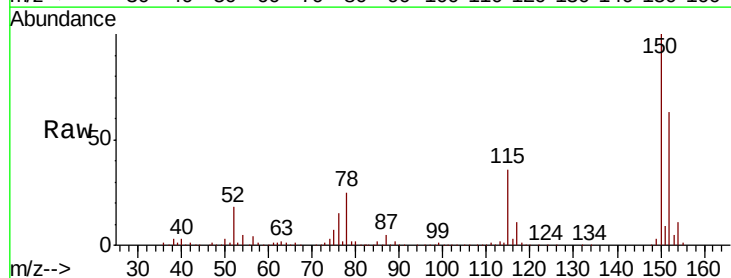


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

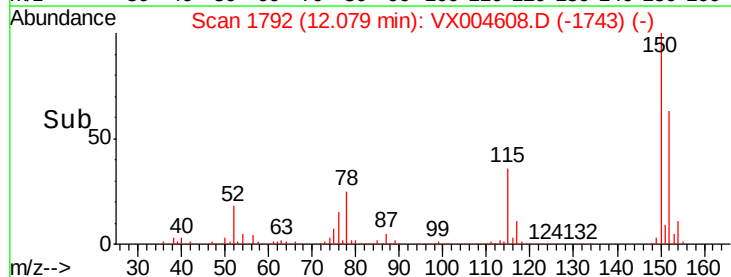
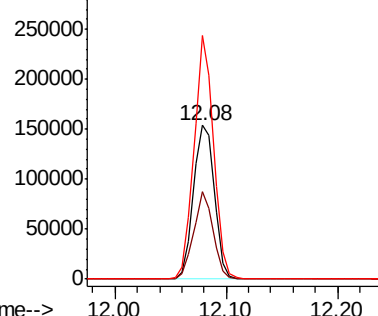


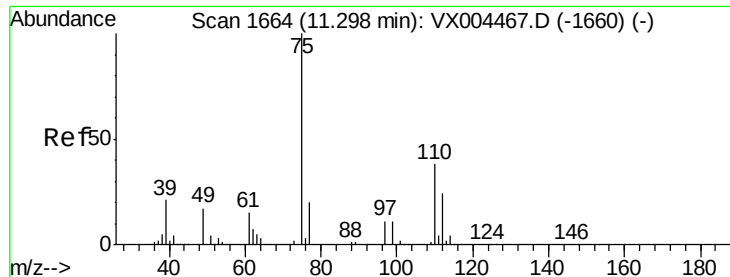
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004608.D
Acq: 16 Sep 2018 02:39

Tgt Ion:152 Resp: 200192
Ion Ratio Lower Upper
152 100
115 52.4 39.0 117.0
150 147.6 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: 18.81 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004608.D

Acq: 16 Sep 2018 02:39

Instrument :

MSVOA_X

ClientSampleId :

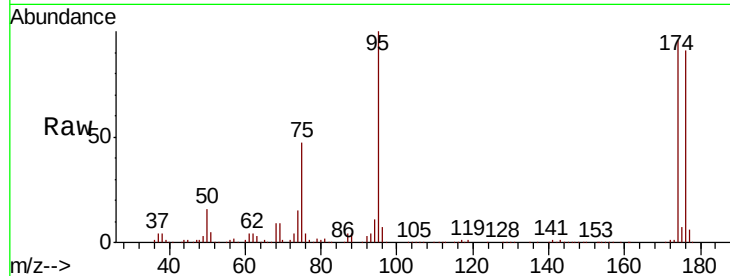
BP-TT-AOC22-MW07-20180913

Tot Ion: 75 Resp: 75748

Ion Ratio Lower Upper

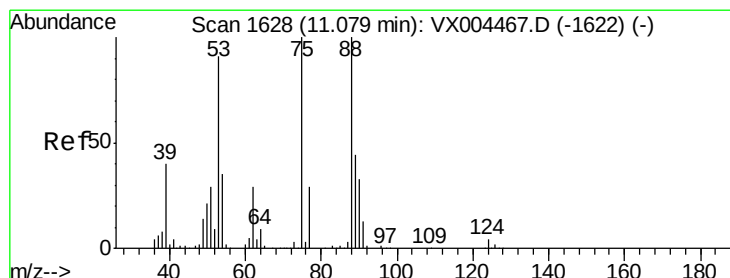
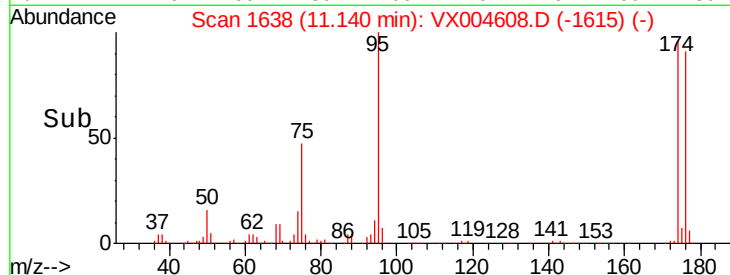
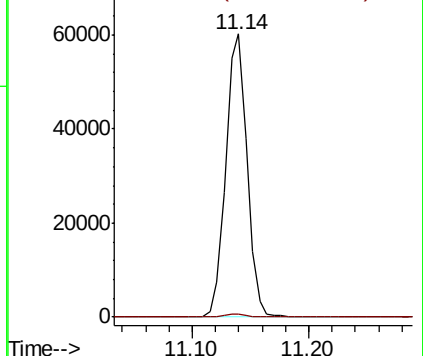
75 100

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: 59.95 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004608.D

Acq: 16 Sep 2018 02:39

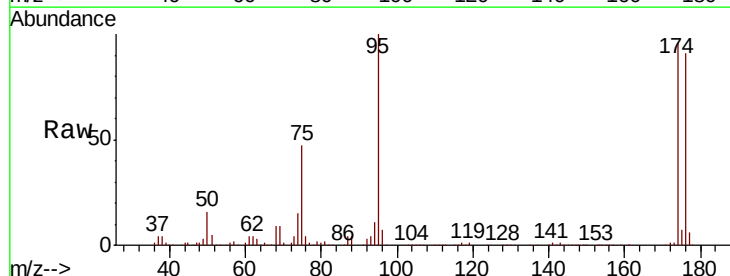
Tgt Ion: 75 Resp: 75748

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

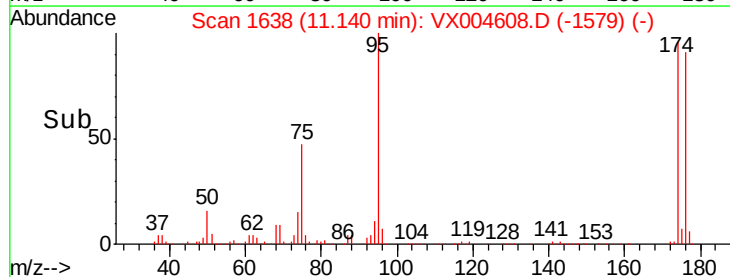
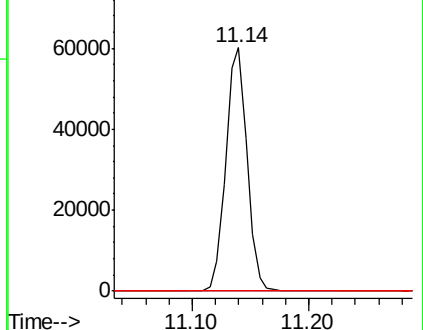
89 0.0 37.2 55.8#

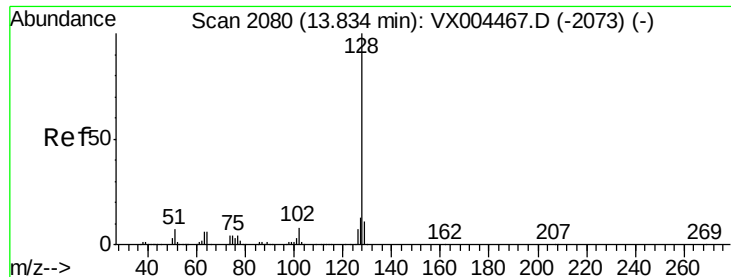


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.24 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004608.D
Acq: 16 Sep 2018 02:39

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW07-20180913

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.3	8.6	12.8

