

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090418\
 Data File : VX004357.D
 Acq On : 04 Sep 2018 19:47
 Operator : JC/MD
 Sample : J4693-23
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-EB-01

Quant Time: Sep 05 06:44:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	297274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	463530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	426039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	241781	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	196907	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
35) Dibromofluoromethane	5.50	113	173217	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	8.71	98	651321	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.14	95	230988	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

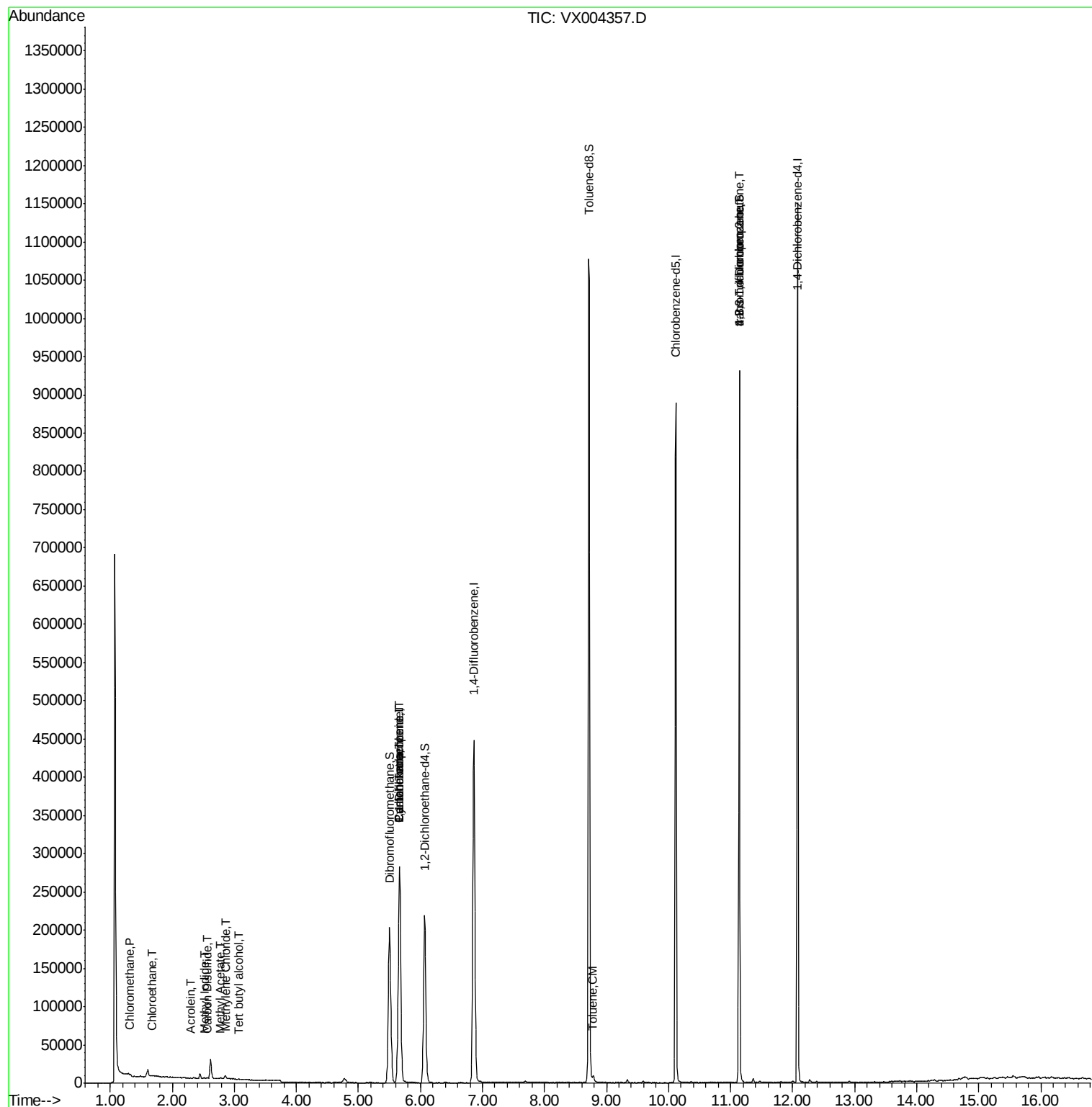
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1097	0.58	ug/l	98
5) Bromomethane	1.65	94	983	Below Cal		91
6) Chloroethane	1.68	64	5831	2.82	ug/l #	60
10) Methyl Iodide	2.51	142	579	4.41	ug/l #	91
11) Tert butyl alcohol	3.07	59	684	0.83	ug/l #	82
13) Acrolein	2.29	56	69	0.35	ug/l #	75
16) Acetone	2.45	43	6853	Below Cal		92
17) Carbon Disulfide	2.56	76	1112	0.92	ug/l #	87
18) Methyl Acetate	2.78	43	1599	0.28	ug/l	98
20) Methylene Chloride	2.86	84	1763	0.47	ug/l #	92
25) 2-Butanone	4.71	43	2654	Below Cal		100
31) Cyclohexane	5.66	56	4855	0.89	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19136	3.67	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25517	5.21	ug/l #	16
52) Toluene	8.79	92	2673	0.27	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	109051	22.18	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	109051	71.95	ug/l #	10
94) Hexachlorobutadiene	13.78	225	76	Below Cal	#	20

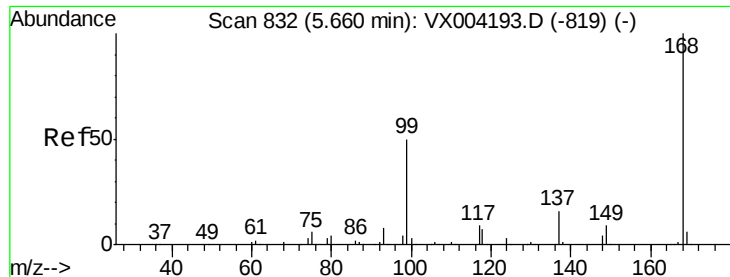
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004357.D

Acq: 04 Sep 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

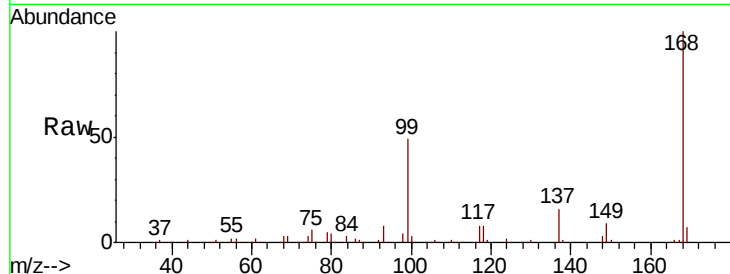
EP1-MW-EB-01

Tot Ion:168 Resp: 297274

Ion Ratio Lower Upper

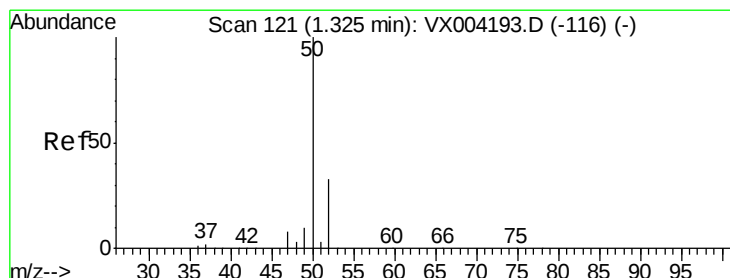
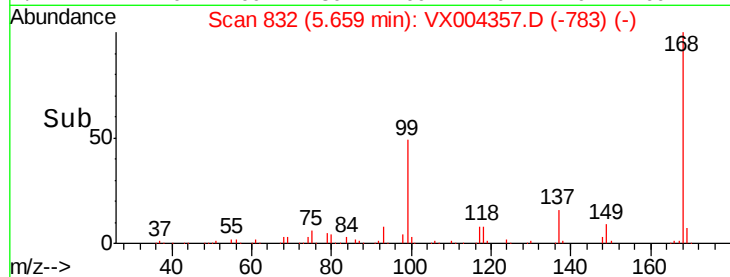
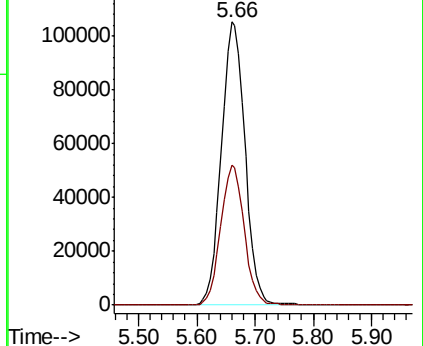
168 100

99 49.4 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: 0.58 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004357.D

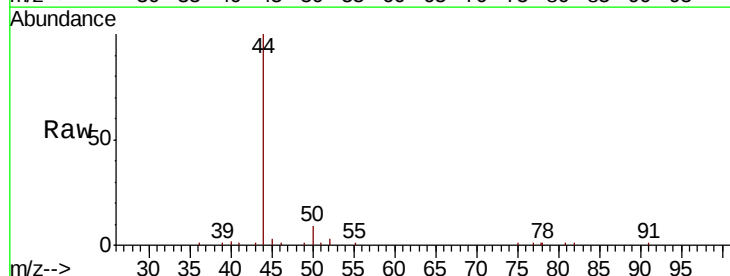
Acq: 04 Sep 2018 19:47

Tgt Ion: 50 Resp: 1097

Ion Ratio Lower Upper

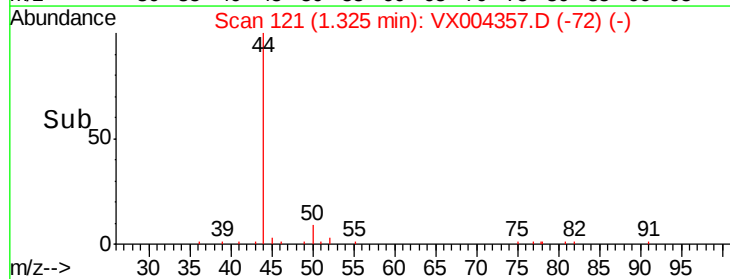
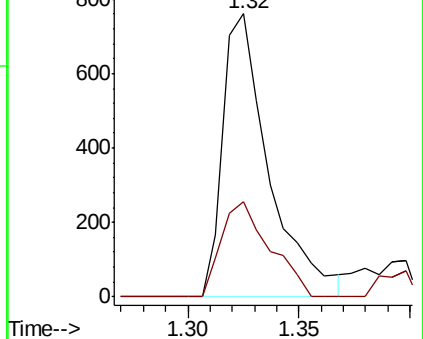
50 100

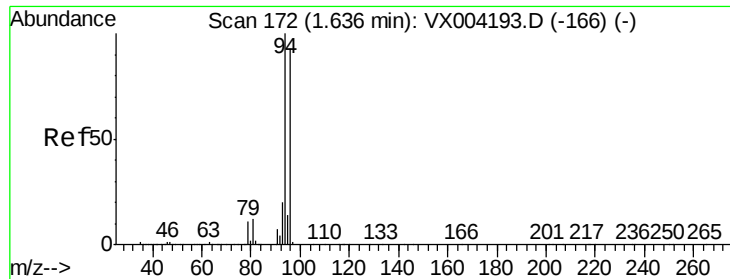
52 33.6 26.2 39.2



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# 174

Delta R.T. 0.01 min

Lab File: VX004357.D

Acq: 04 Sep 2018 19:47

Instrument :

MSVOA_X

ClientSampled :

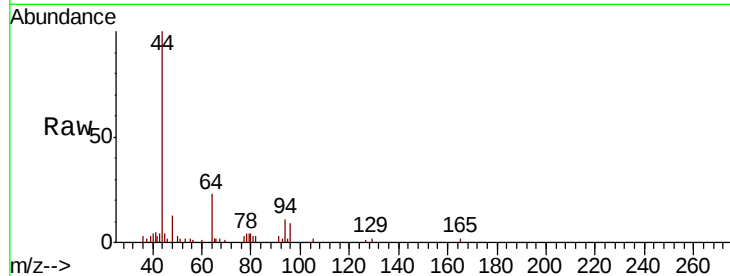
EP1-MW-EB-01

Tot Ion: 94 Resp: 983

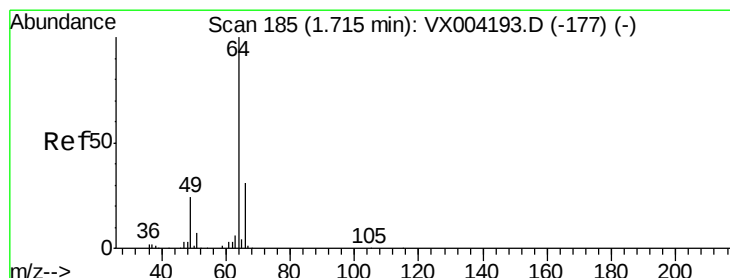
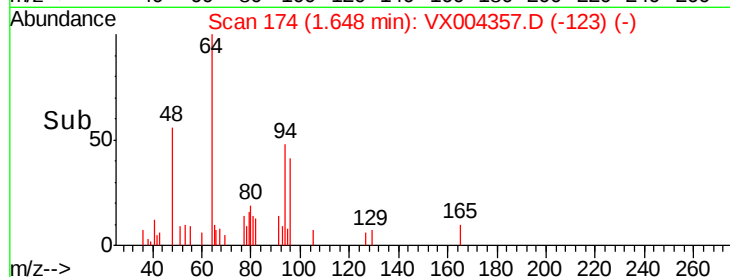
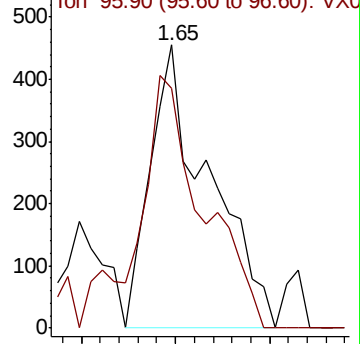
Ion Ratio Lower Upper

94 100

96 84.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 2.82 ug/l

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX004357.D

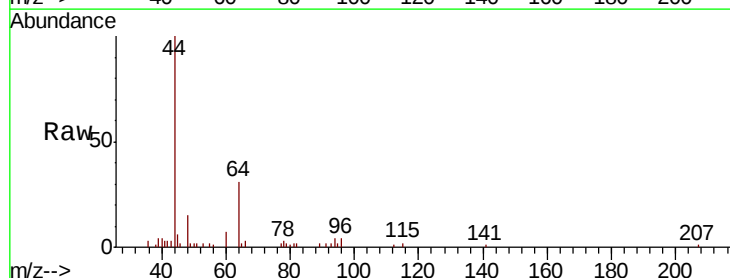
Acq: 04 Sep 2018 19:47

Tgt Ion: 64 Resp: 5831

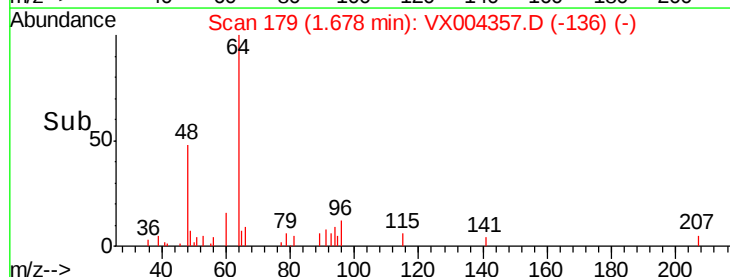
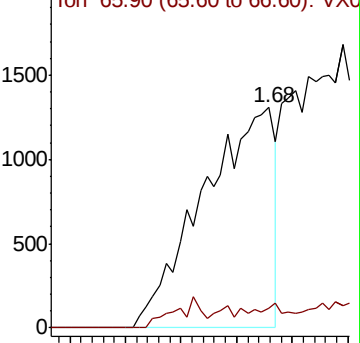
Ion Ratio Lower Upper

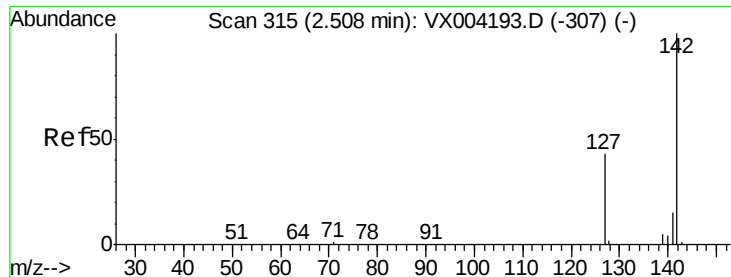
64 100

66 8.7 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

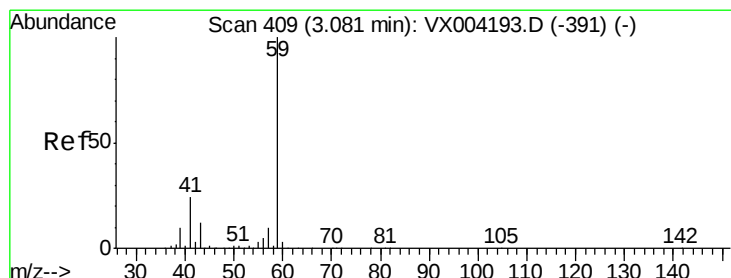
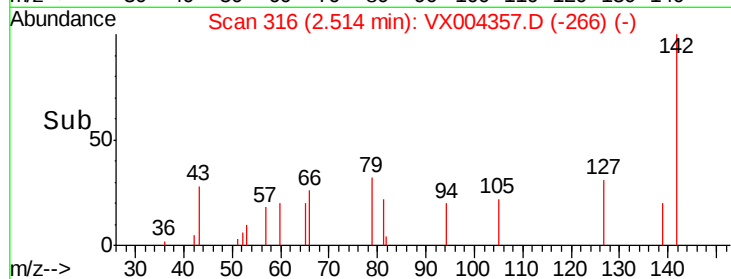
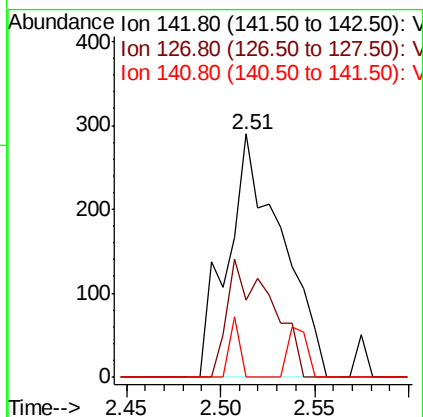
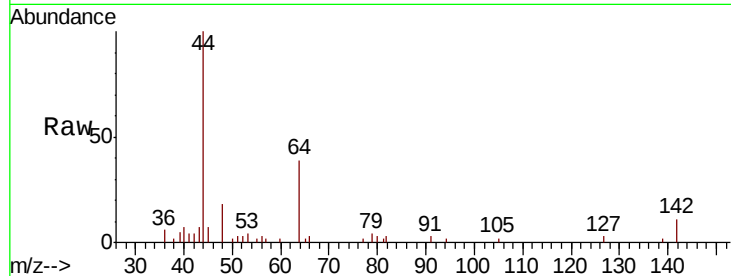




#10
Methyl Iodide
Concen: 4.41 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

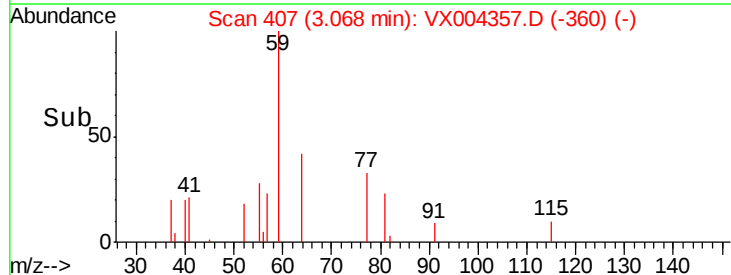
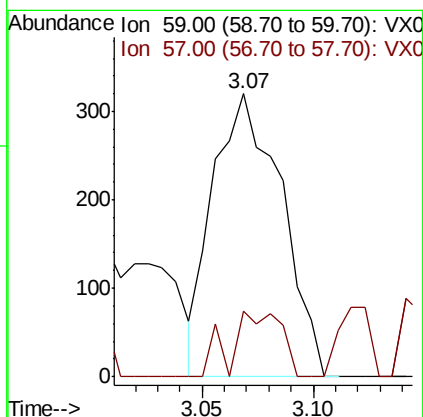
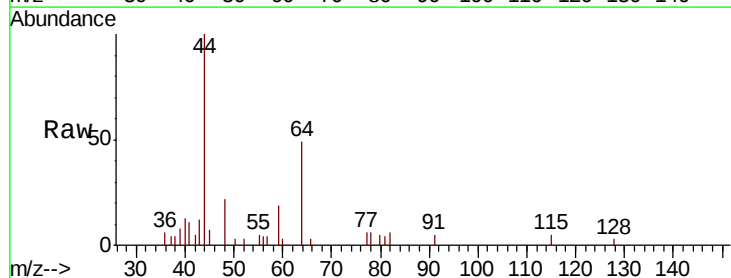
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-EB-01

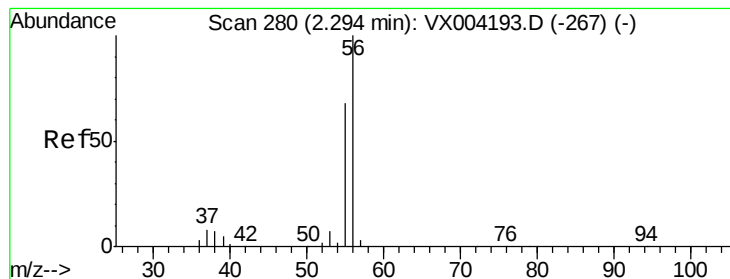
Tot Ion:142 Resp: 579
Ion Ratio Lower Upper
142 100
127 39.6 33.8 50.6
141 4.5 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.83 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

Tgt Ion: 59 Resp: 684
Ion Ratio Lower Upper
59 100
57 17.1 8.2 12.4#





#13

Acrolein

Concen: 0.35 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004357.D

Acq: 04 Sep 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

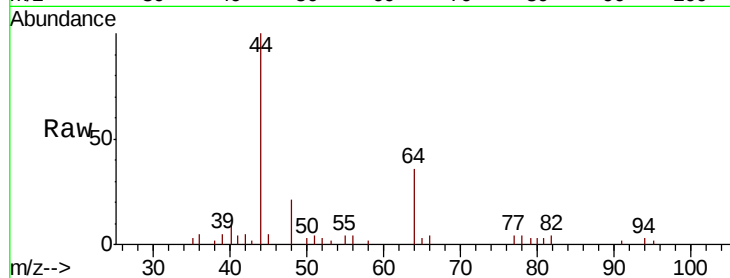
EP1-MW-EB-01

Tot Ion: 56 Resp: 69

Ion Ratio Lower Upper

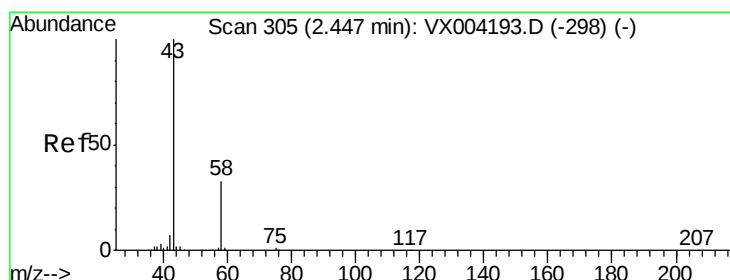
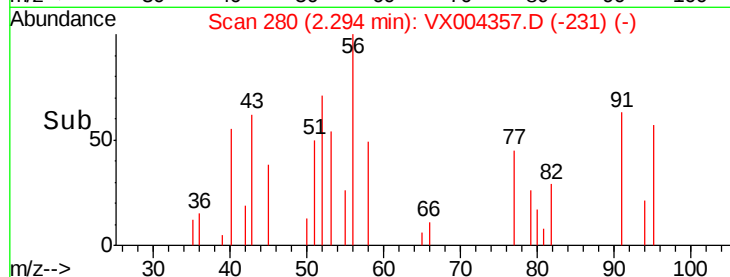
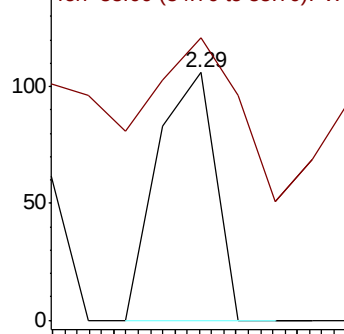
56 100

55 88.4 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004357.D

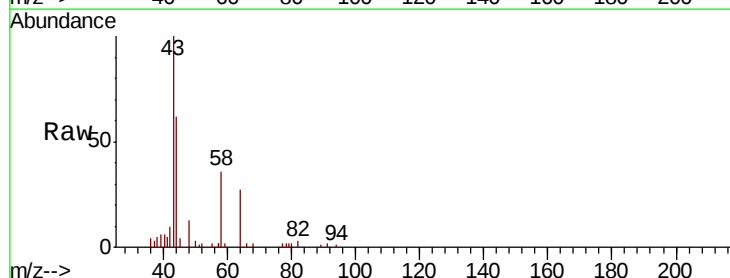
Acq: 04 Sep 2018 19:47

Tgt Ion: 43 Resp: 6853

Ion Ratio Lower Upper

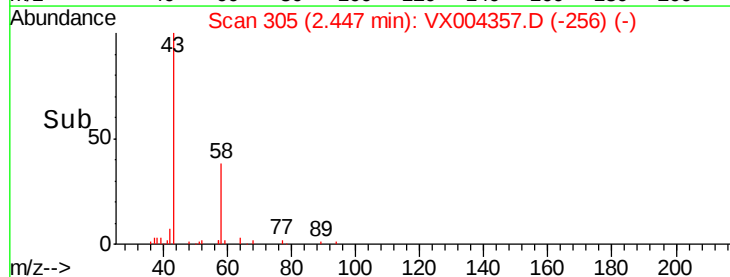
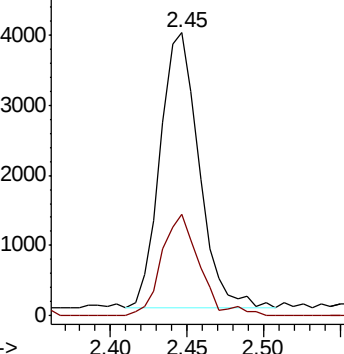
43 100

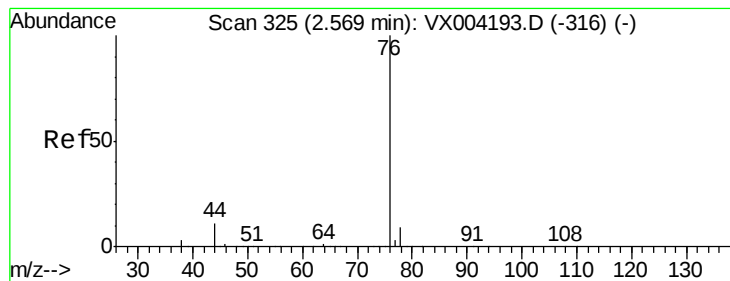
58 37.2 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.92 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004357.D

Acq: 04 Sep 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

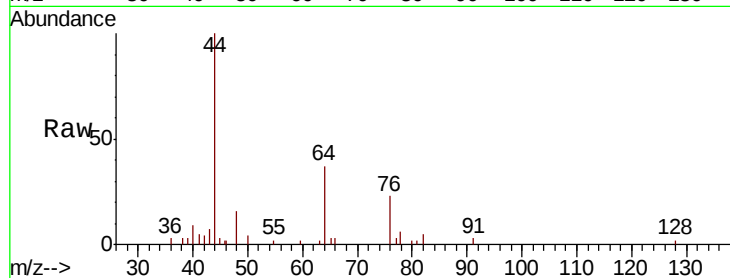
EP1-MW-EB-01

Tot Ion: 76 Resp: 1112

Ion Ratio Lower Upper

76 100

78 4.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

600

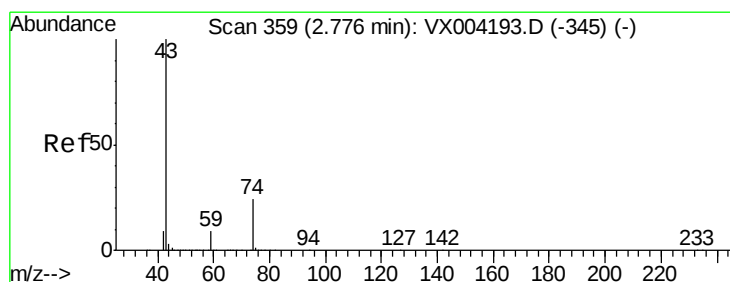
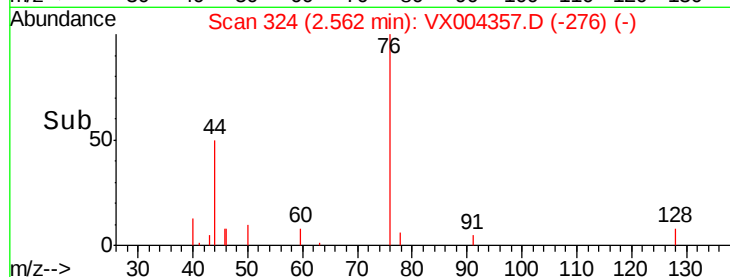
400

200

0

2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 0.28 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004357.D

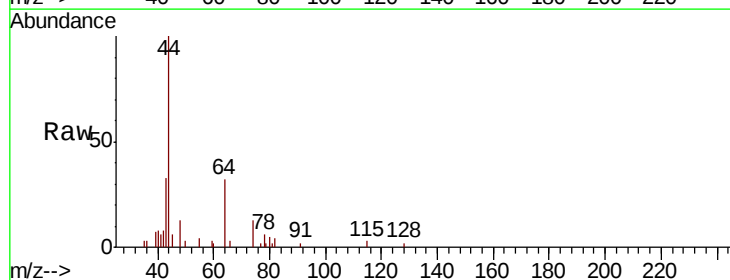
Acq: 04 Sep 2018 19:47

Tgt Ion: 43 Resp: 1599

Ion Ratio Lower Upper

43 100

74 25.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

1000

800

600

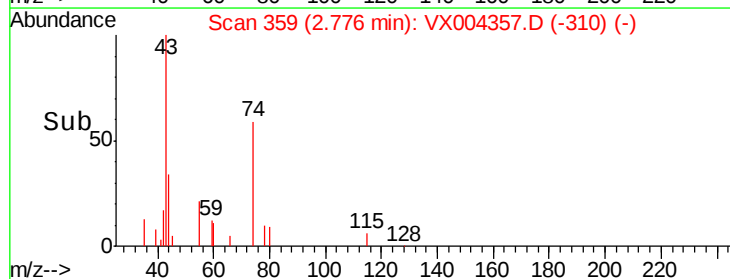
400

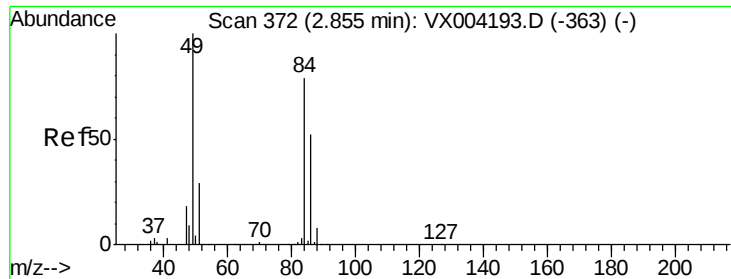
200

0

2.70 2.75 2.80 2.85

Time-->

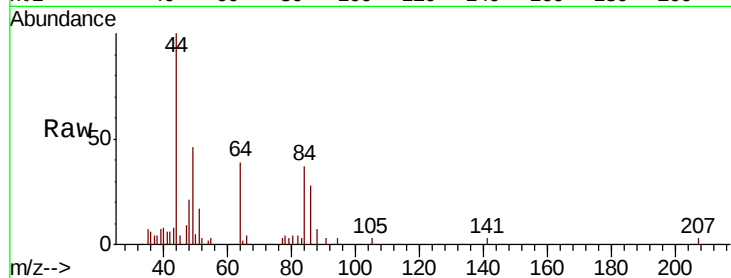




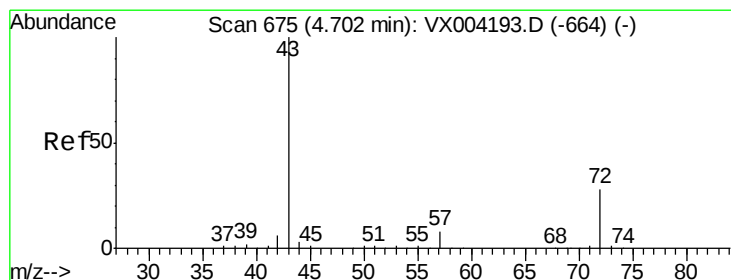
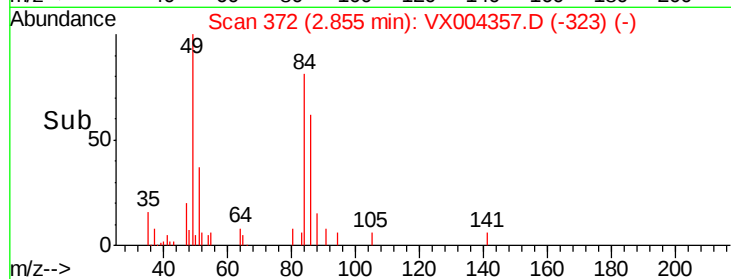
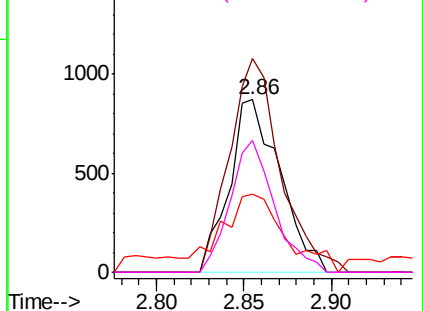
#20
Methvlene Chloride
Concen: 0.47 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-EB-01

Tot Ion: 84 Resp: 1763
Ion Ratio Lower Upper
84 100
49 123.6 101.2 151.8
51 45.5 29.5 44.3#
86 76.4 52.3 78.5

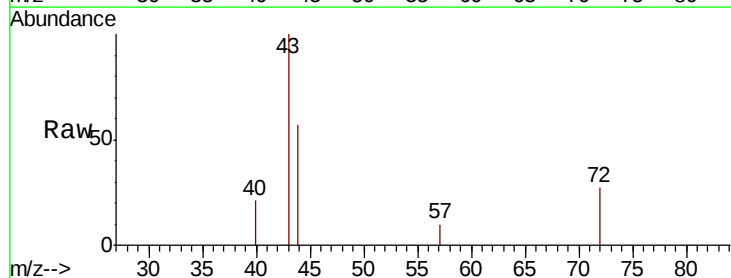


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

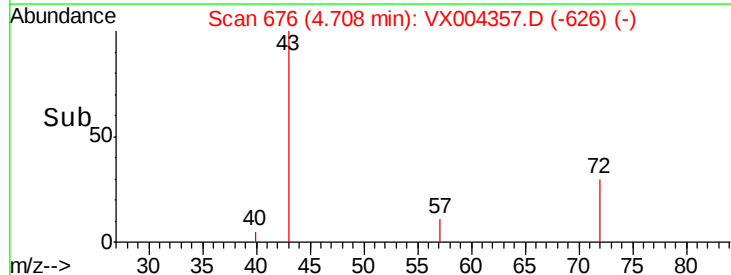
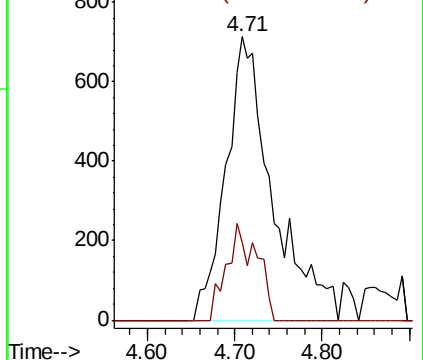


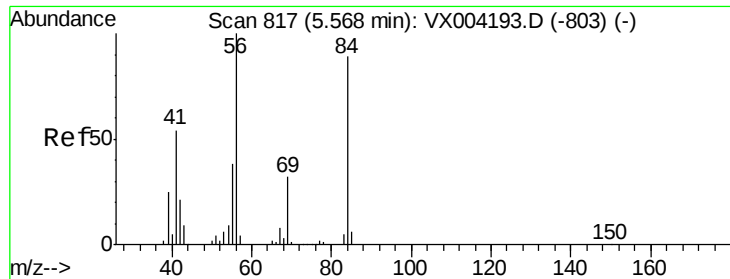
#25
2-Butanone
Concen: Below Cal
RT: 4.71 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

Tgt Ion: 43 Resp: 2654
Ion Ratio Lower Upper
43 100
72 27.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

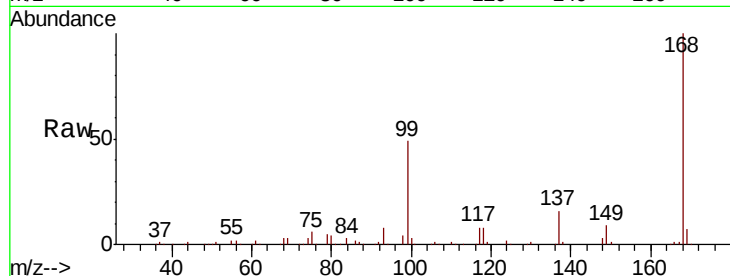




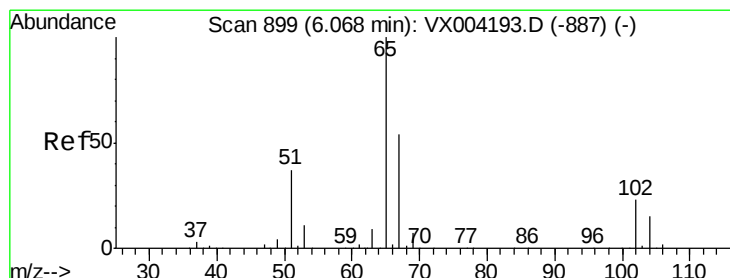
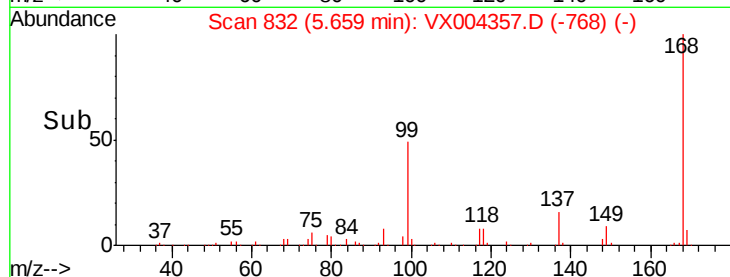
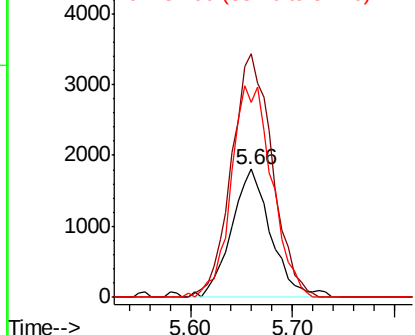
#31
Cyclohexane
Concen: 0.89 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.09 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-EB-01

Tot Ion: 56 Resp: 4855
Ion Ratio Lower Upper
56 100
69 190.1 25.4 38.2#
84 152.1 71.4 107.2#

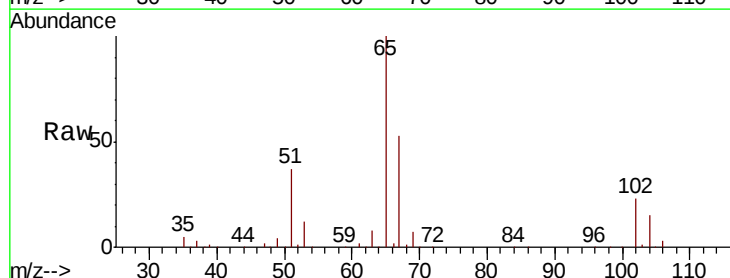


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

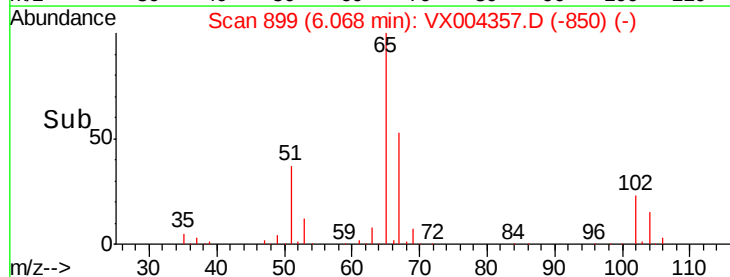
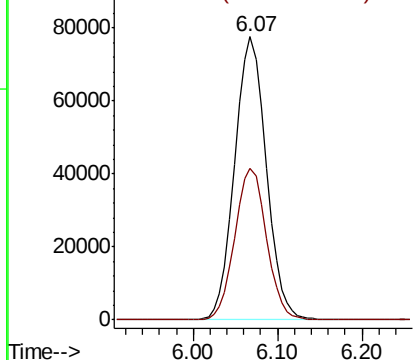


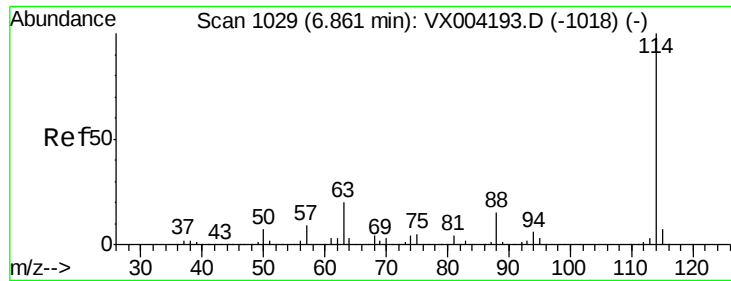
#33
1,2-Dichloroethane-d4
Concen: 50.82 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

Tgt Ion: 65 Resp: 196907
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.8



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

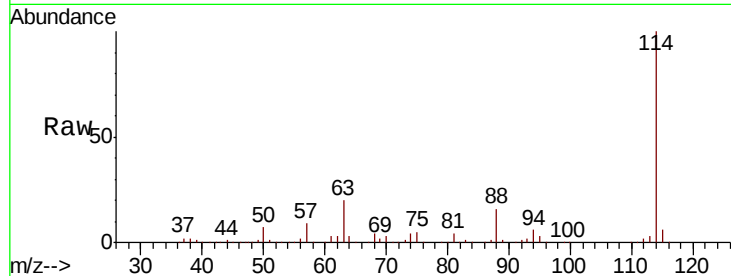




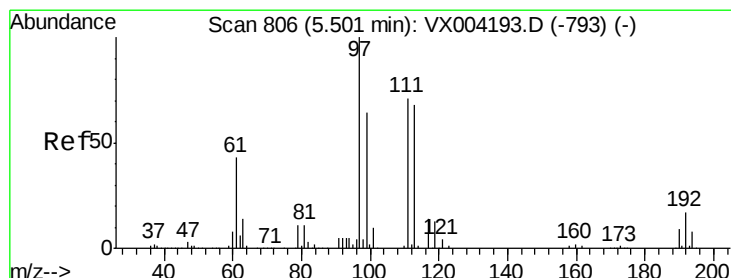
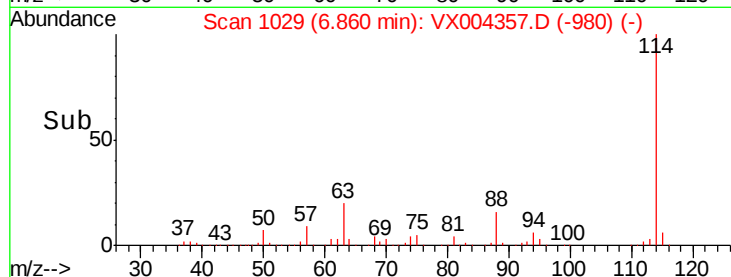
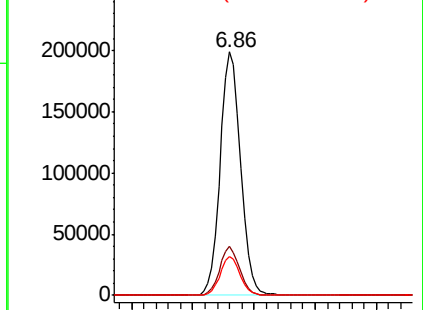
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.86 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-EB-01

Tot Ion:114 Resp: 463530
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.0
88 16.1 0.0 30.4

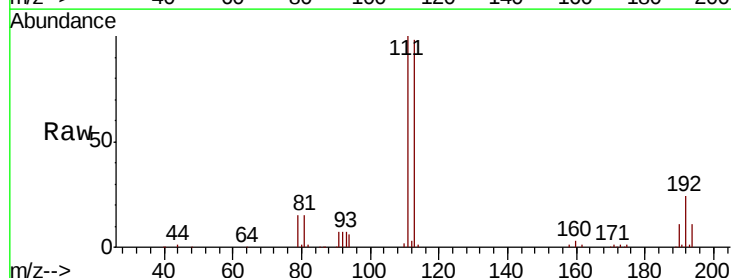


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

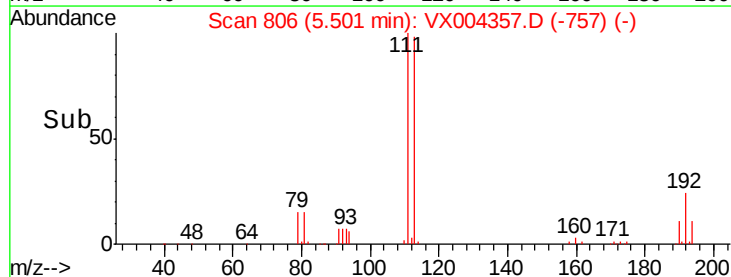
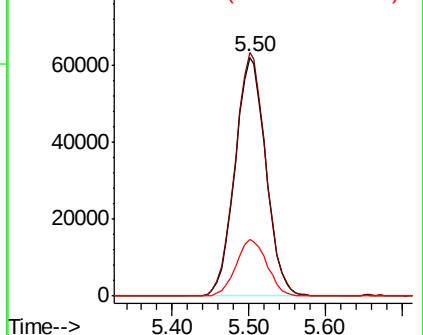


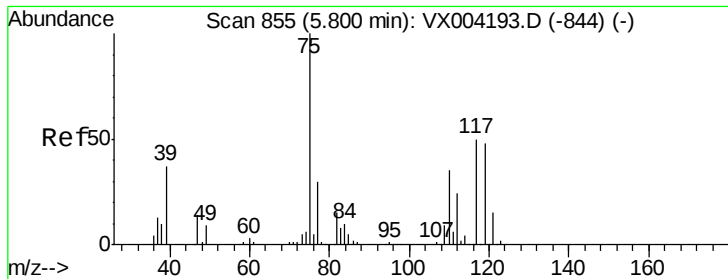
#35
Dibromofluoromethane
Concen: 50.23 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

Tgt Ion:113 Resp: 173217
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 23.9 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: 3.67 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX004357.D

Acq: 04 Sep 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-EB-01

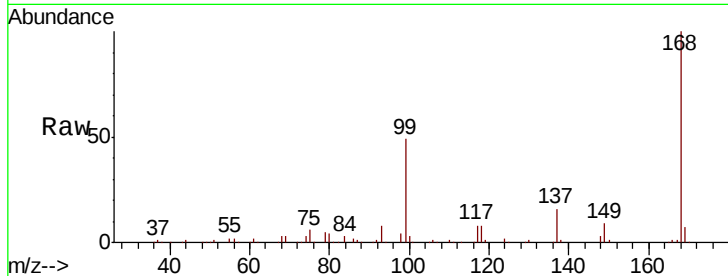
Tot Ion: 75 Resp: 19136

Ion Ratio Lower Upper

75 100

110 9.2 18.0 54.0#

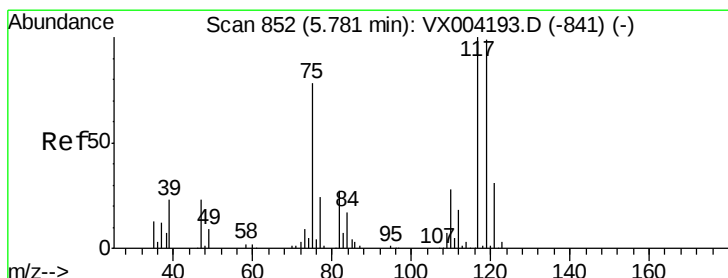
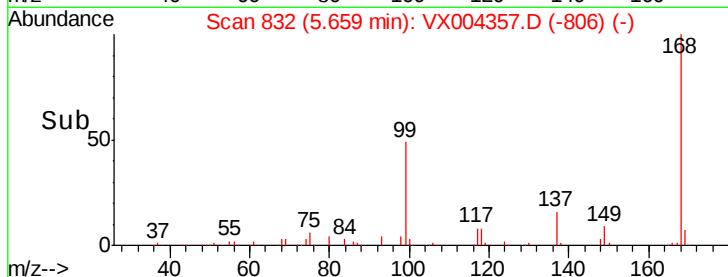
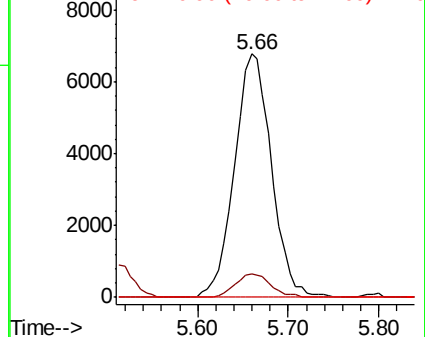
77 0.0 24.6 36.8#



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: 5.21 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004357.D

Acq: 04 Sep 2018 19:47

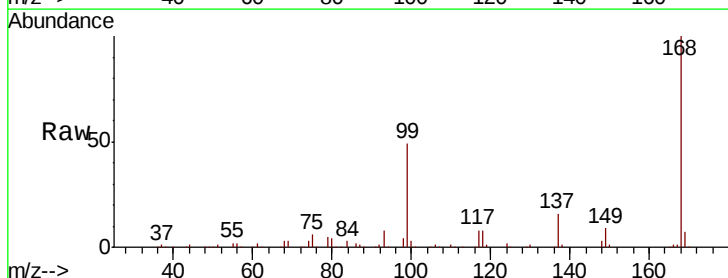
Tgt Ion: 117 Resp: 25517

Ion Ratio Lower Upper

117 100

119 6.4 78.8 118.2#

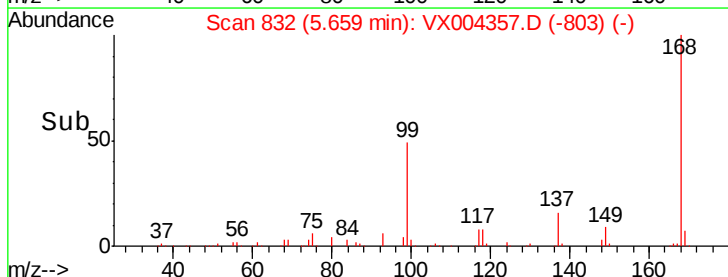
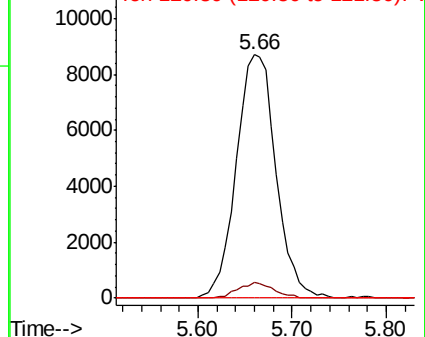
121 0.0 24.9 37.3#

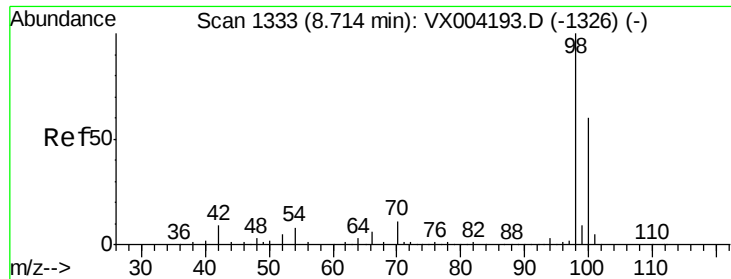


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

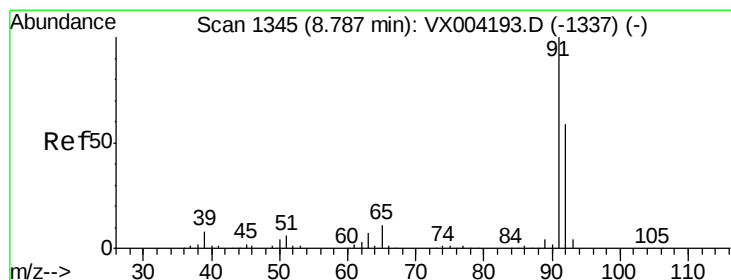
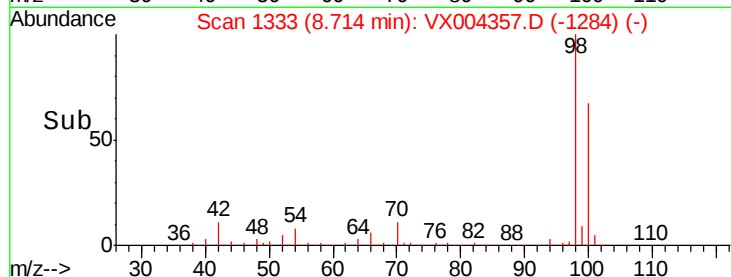
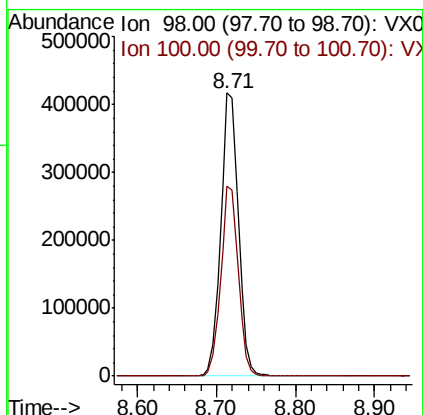
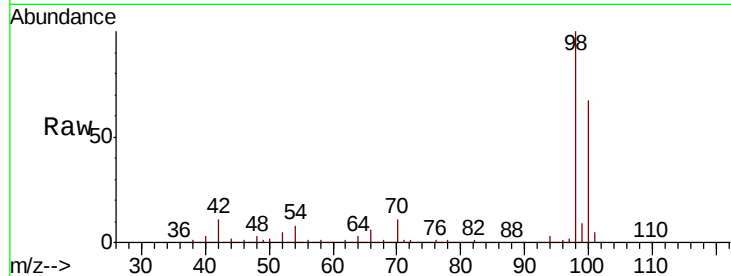




#50
Toluene-d8
Concen: 50.04 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

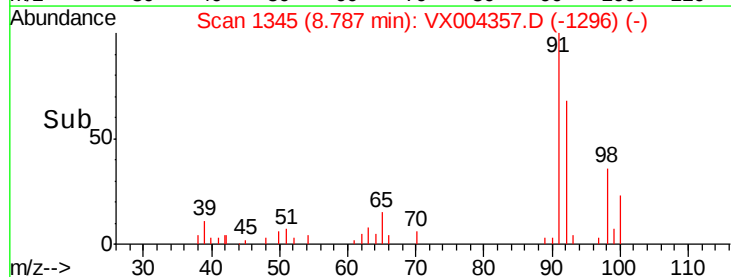
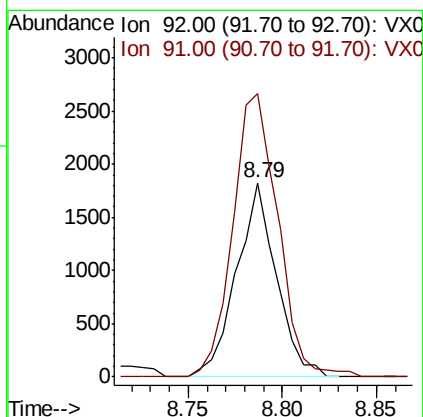
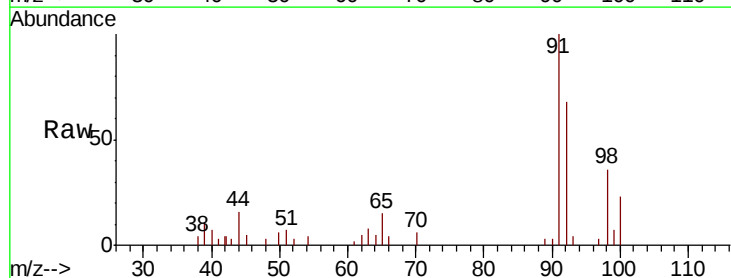
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-EB-01

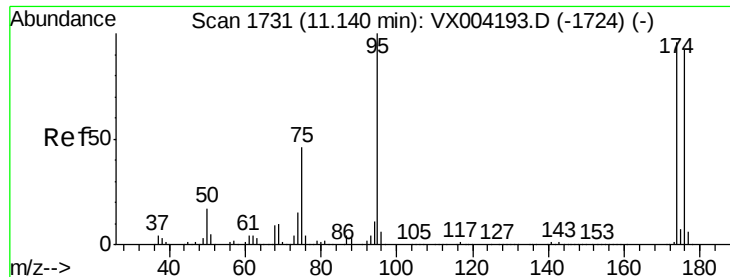
Tot Ion: 98 Resp: 651321
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



#52
Toluene
Concen: 0.27 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

Tgt Ion: 92 Resp: 2673
Ion Ratio Lower Upper
92 100
91 165.4 136.4 204.6

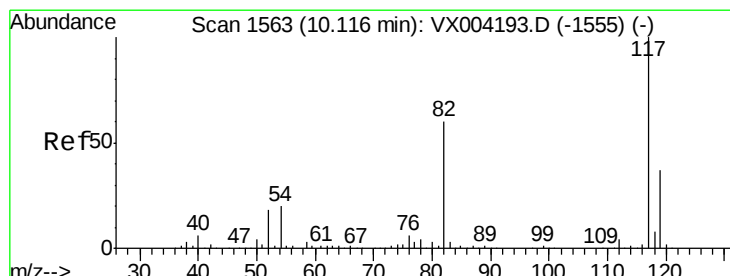
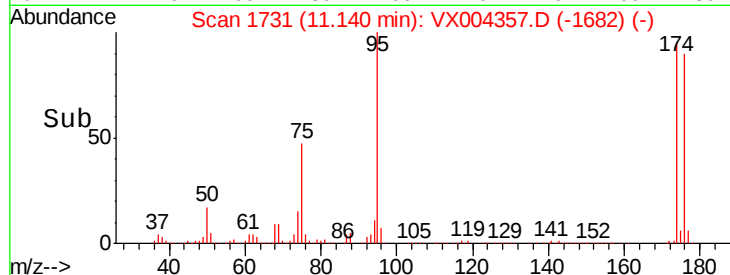
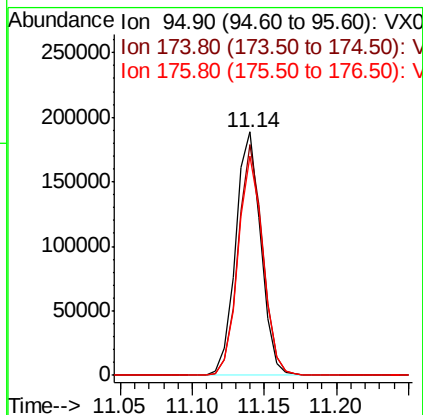
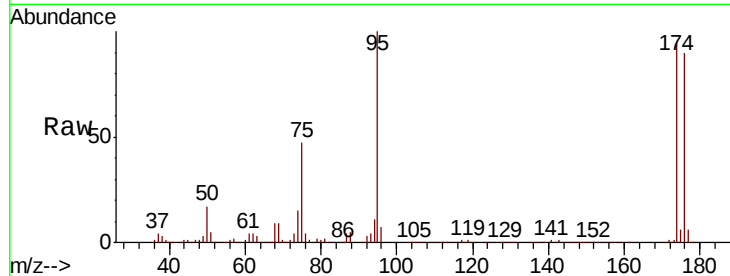




#62
4-Bromofluorobenzene
Concen: 47.56 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

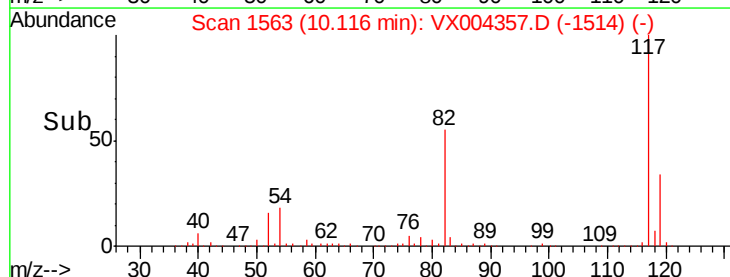
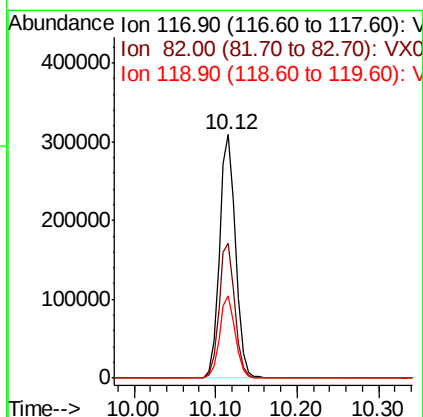
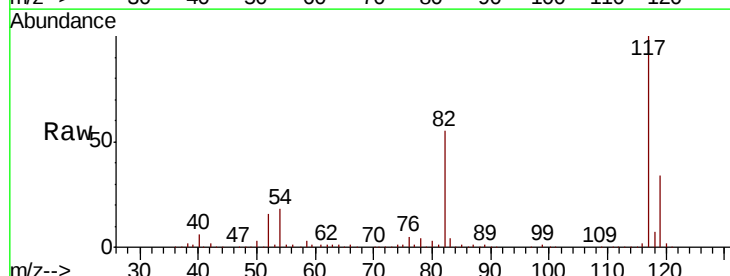
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-EB-01

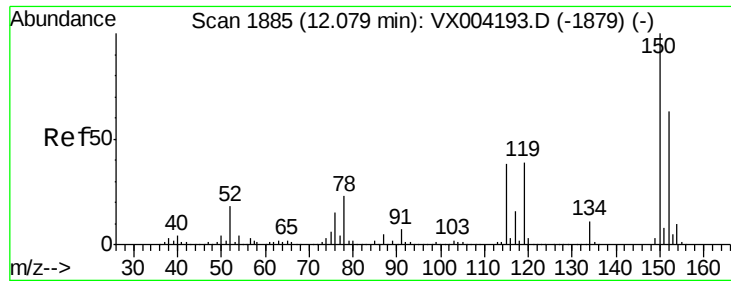
Tot Ion: 95 Resp: 230988
Ion Ratio Lower Upper
95 100
174 92.6 0.0 185.2
176 89.1 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004357.D
Acq: 04 Sep 2018 19:47

Tgt Ion: 117 Resp: 426039
Ion Ratio Lower Upper
117 100
82 55.3 47.8 71.6
119 33.7 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004357.D

Acq: 04 Sep 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-EB-01

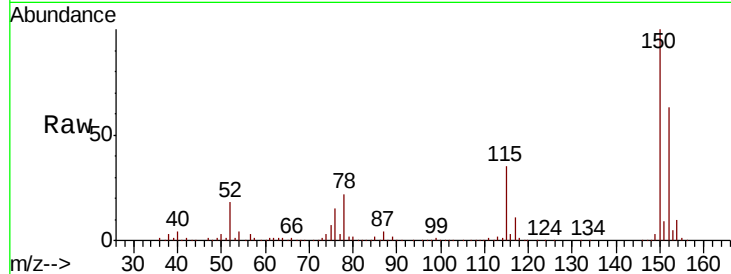
Tot Ion:152 Resp: 241781

Ion Ratio Lower Upper

152 100

115 55.2 39.0 117.0

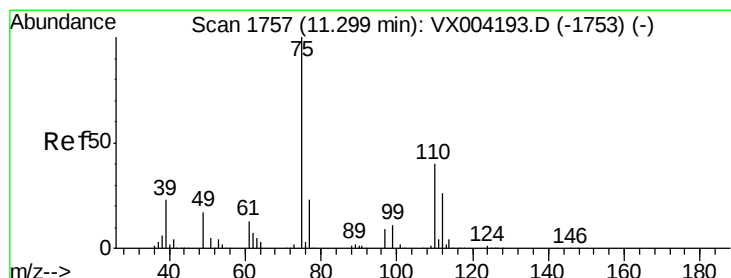
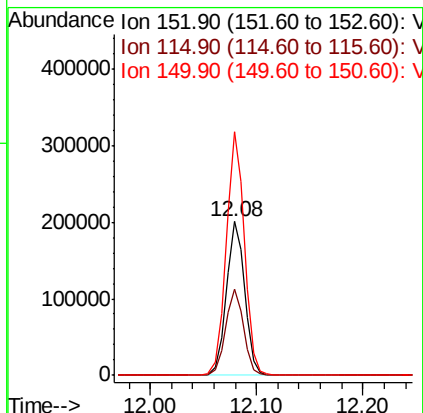
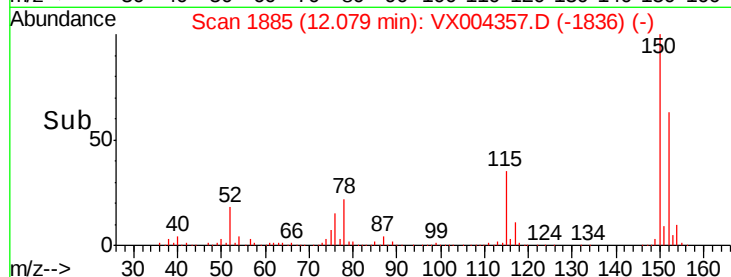
150 156.7 0.0 351.0



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: 22.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004357.D

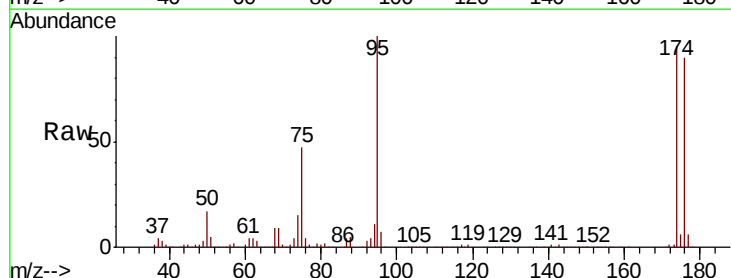
Acq: 04 Sep 2018 19:47

Tgt Ion: 75 Resp: 109051

Ion Ratio Lower Upper

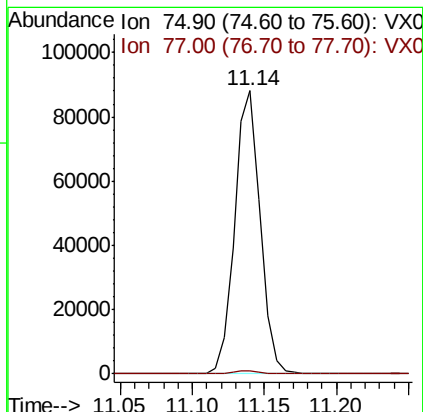
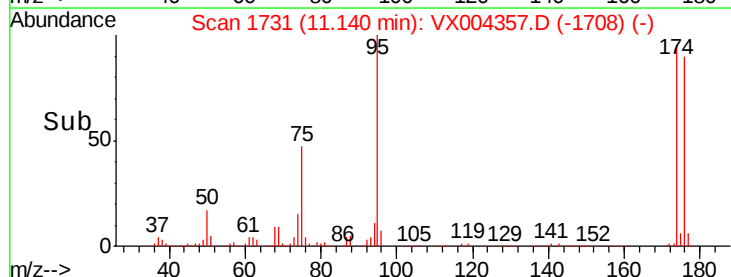
75 100

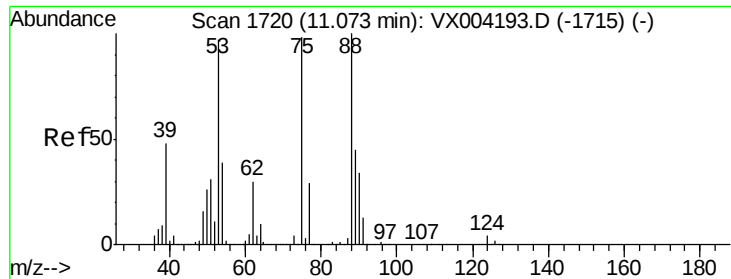
77 1.3 20.2 60.6#



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: 71.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004357.D

Acq: 04 Sep 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-EB-01

Tot Ion: 75 Resp: 109051

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

