

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090418\
 Data File : VX004356.D
 Acq On : 04 Sep 2018 19:20
 Operator : JC/MD
 Sample : J4693-24
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Sep 05 06:43:50 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	5.67	168	282296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	426931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	249448	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	190255	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
35) Dibromofluoromethane	5.50	113	164692	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	8.71	98	628535	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.14	95	238152	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	

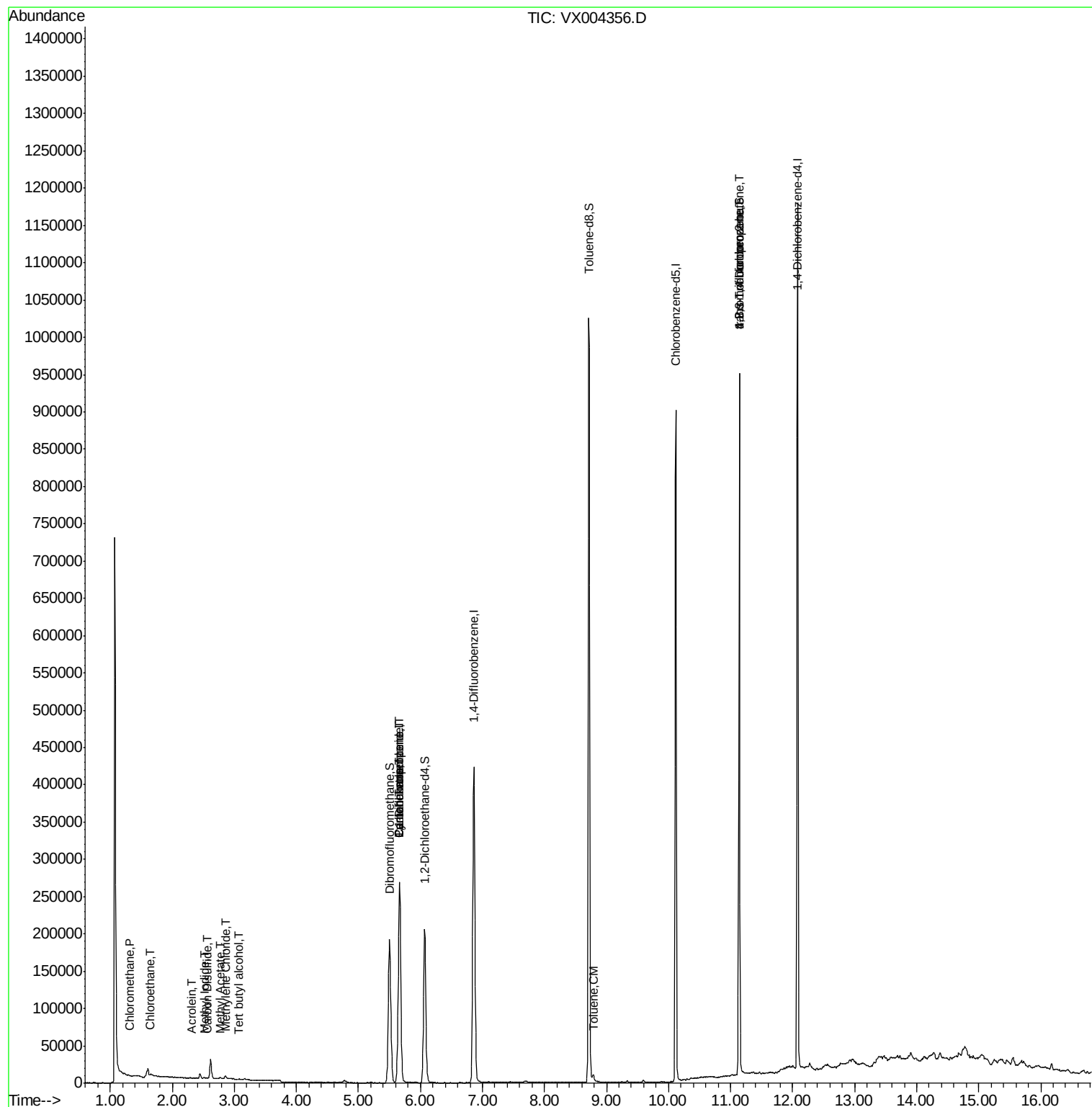
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1111	0.60	ug/l	# 80
5) Bromomethane	1.65	94	1119	Below Cal		88
6) Chloroethane	1.65	64	5601	2.84	ug/l	# 59
10) Methyl Iodide	2.52	142	693	4.44	ug/l	94
11) Tert butyl alcohol	3.07	59	756	0.96	ug/l	98
13) Acrolein	2.31	56	63	0.33	ug/l	# 1
16) Acetone	2.45	43	6168	Below Cal		90
17) Carbon Disulfide	2.56	76	563	0.86	ug/l	# 94
18) Methyl Acetate	2.78	43	1567	0.29	ug/l	96
20) Methylene Chloride	2.85	84	1588	0.45	ug/l	95
25) 2-Butanone	4.71	43	2268	Below Cal		# 80
31) Cyclohexane	5.67	56	4705	0.91	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	18204	3.67	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	24344	5.21	ug/l	# 16
52) Toluene	8.79	92	2853	0.31	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	110727	21.83	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	110727	70.81	ug/l	# 10
94) Hexachlorobutadiene	13.79	225	83	Below Cal		# 1

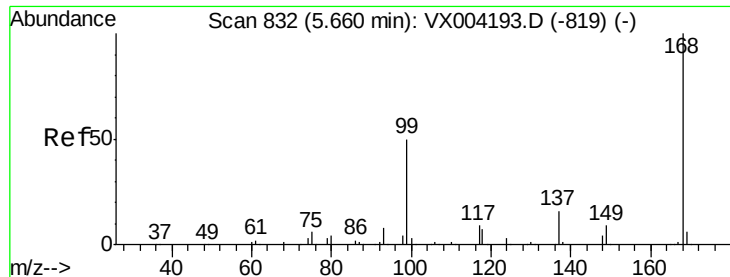
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

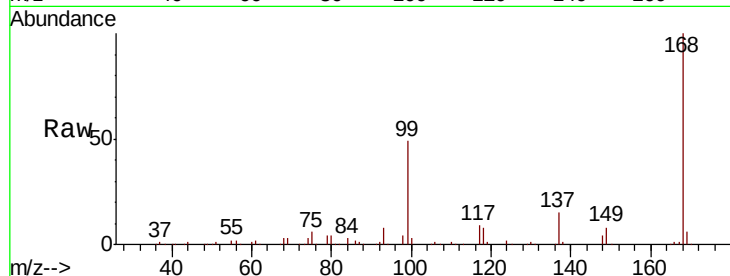
EP1-MW-TB-01

Tot Ion:168 Resp: 282296

Ion Ratio Lower Upper

168 100

99 49.3 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

100000

80000

60000

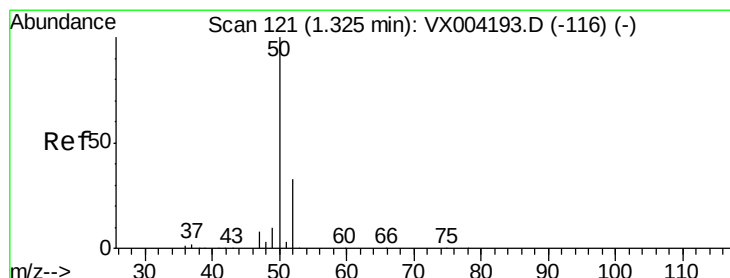
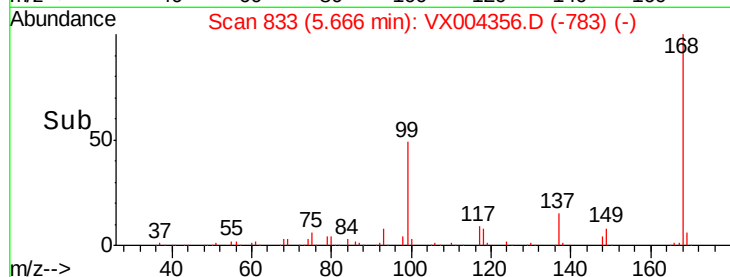
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.60 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004356.D

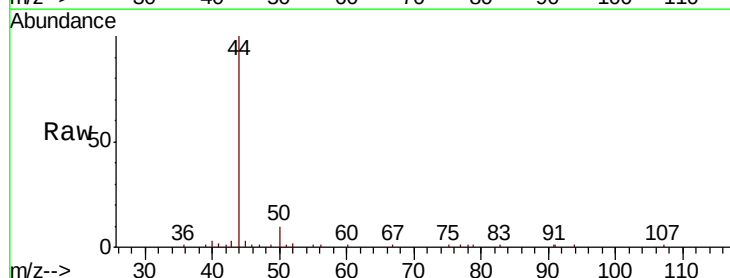
Acq: 04 Sep 2018 19:20

Tgt Ion: 50 Resp: 1111

Ion Ratio Lower Upper

50 100

52 21.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

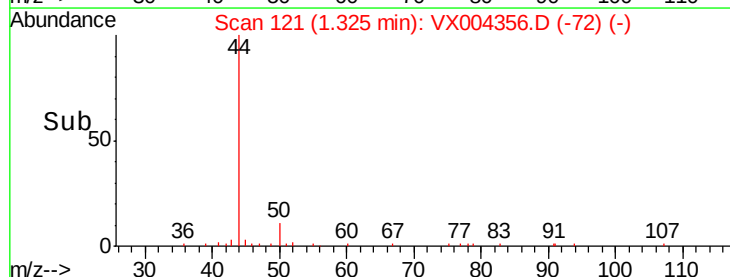
400

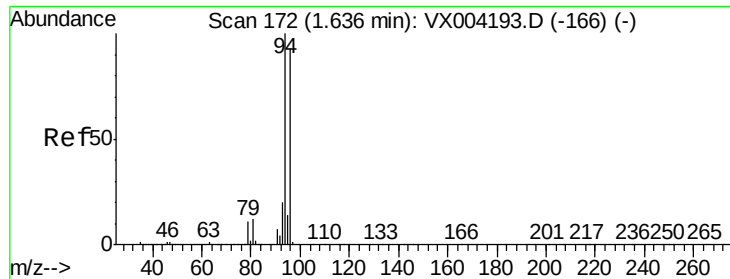
200

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

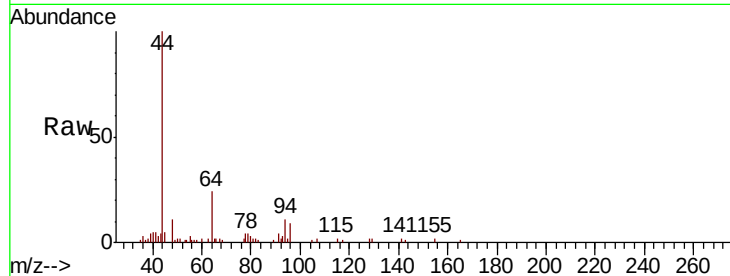
EP1-MW-TB-01

Tot Ion: 94 Resp: 1119

Ion Ratio Lower Upper

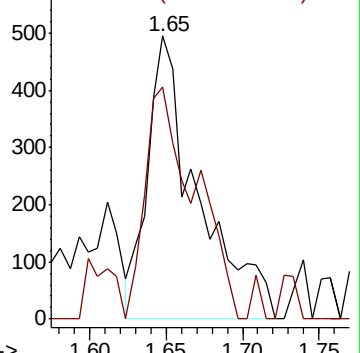
94 100

96 81.8 74.5 111.7

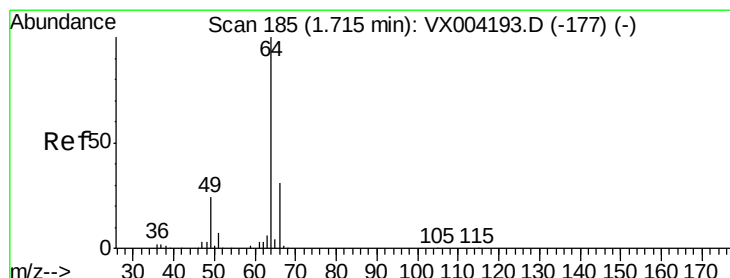
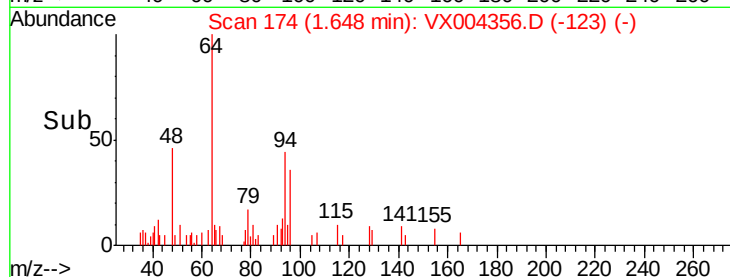


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 2.84 ug/l

RT: 1.65 min Scan# 175

Delta R.T. -0.06 min

Lab File: VX004356.D

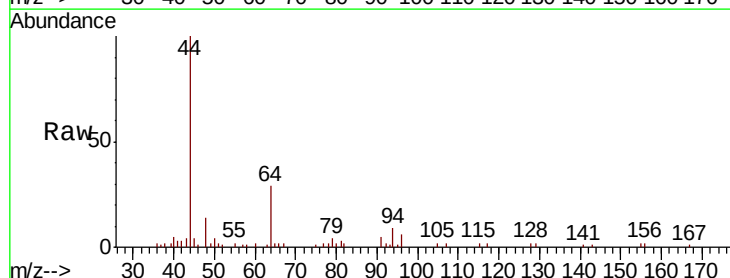
Acq: 04 Sep 2018 19:20

Tgt Ion: 64 Resp: 5601

Ion Ratio Lower Upper

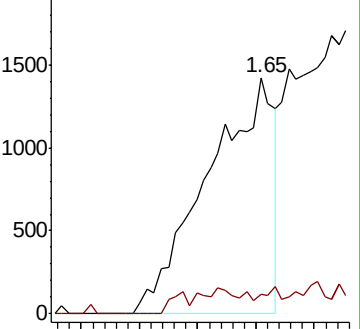
64 100

66 8.2 24.6 36.8#

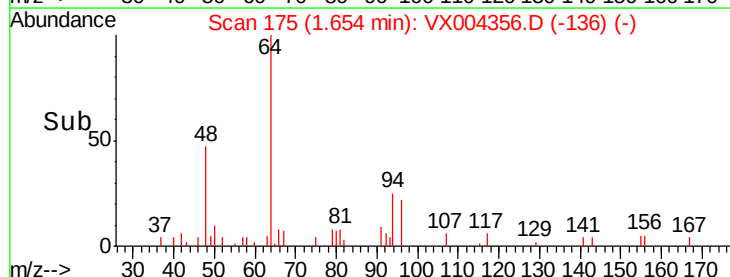


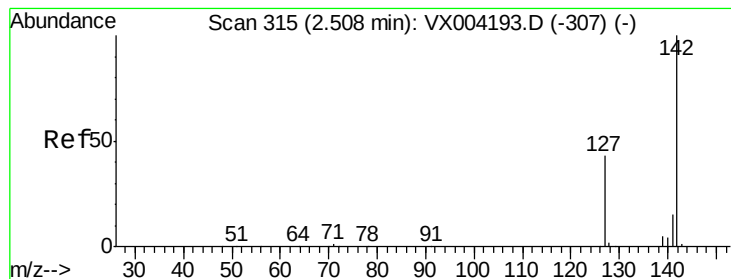
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

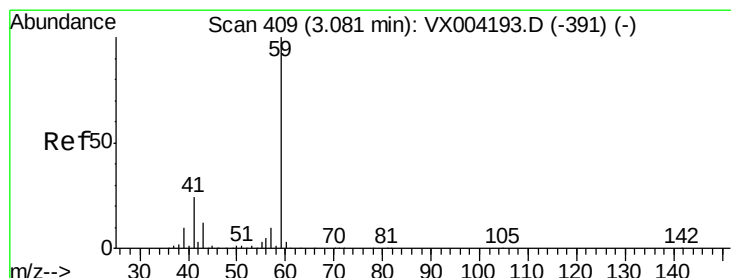
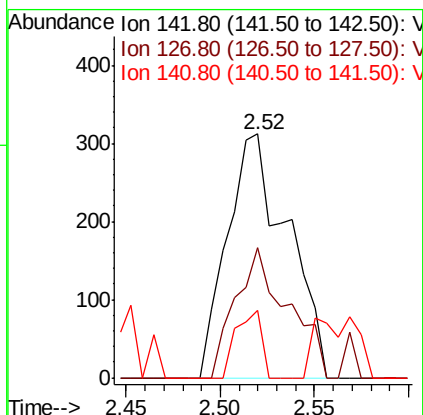
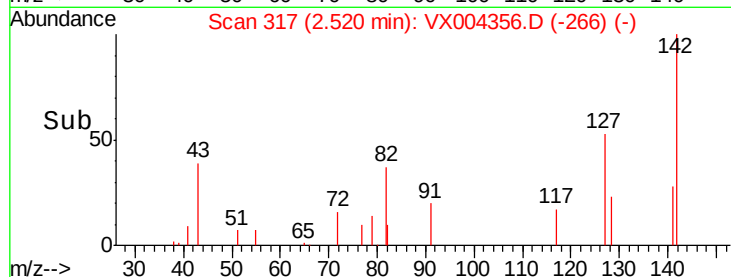
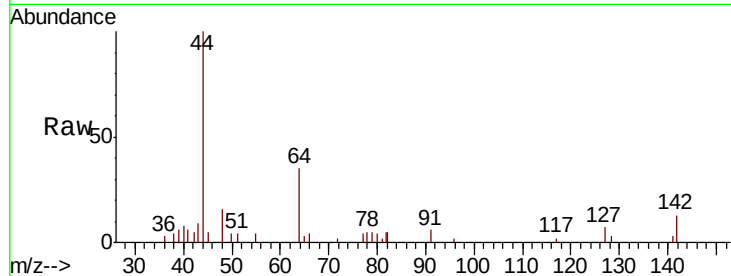




#10
Methyl Iodide
Concen: 4.44 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004356.D
Acq: 04 Sep 2018 19:20

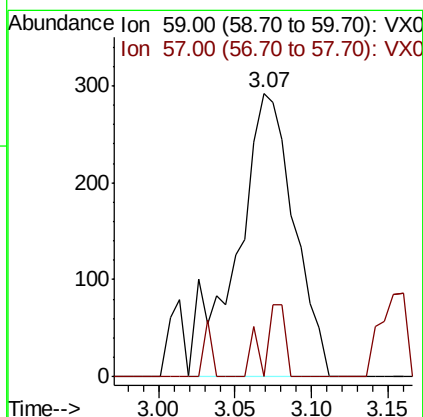
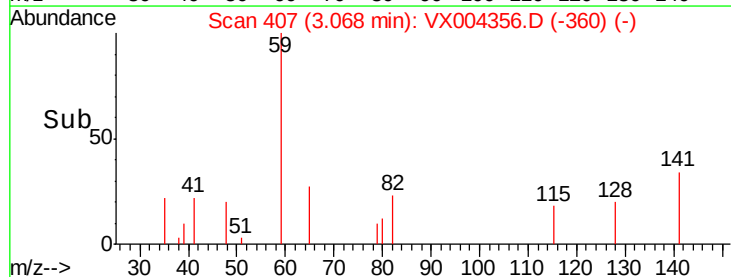
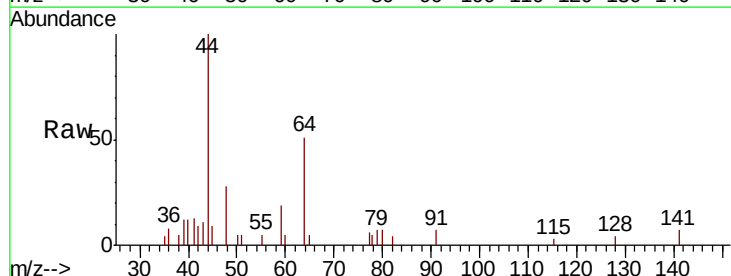
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-TB-01

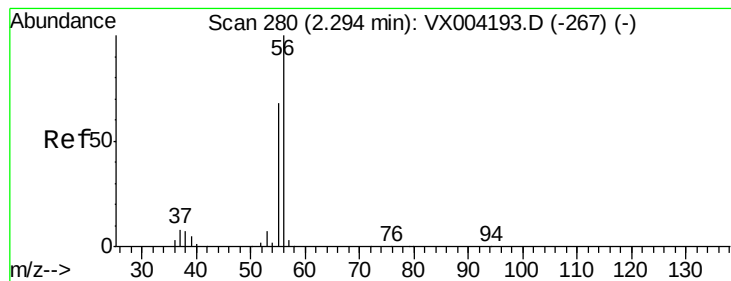
Tot Ion:142 Resp: 693
Ion Ratio Lower Upper
142 100
127 46.2 33.8 50.6
141 11.7 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.96 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX004356.D
Acq: 04 Sep 2018 19:20

Tgt Ion: 59 Resp: 756
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.4





#13

Acrolein

Concen: 0.33 ua/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

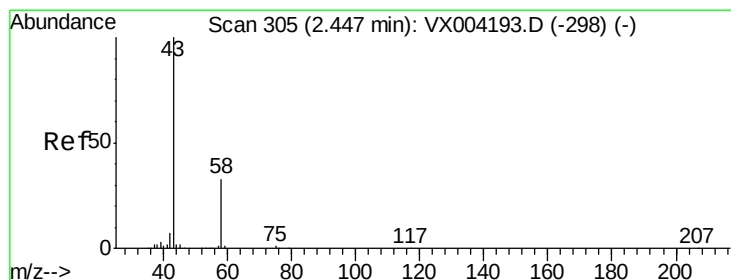
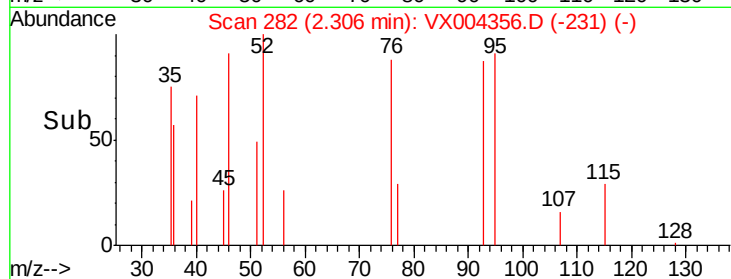
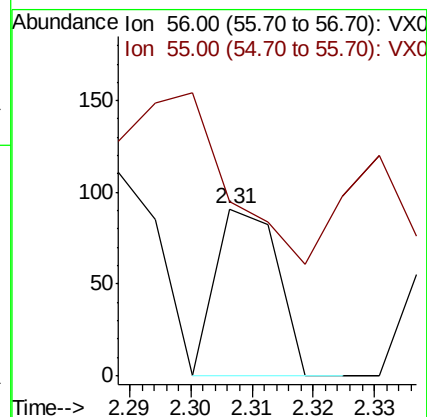
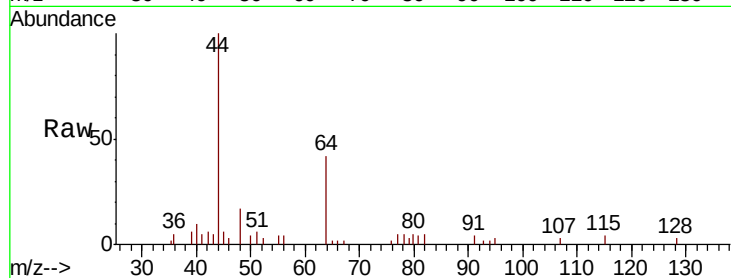
EP1-MW-TB-01

Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 774.6 54.7 82.1#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004356.D

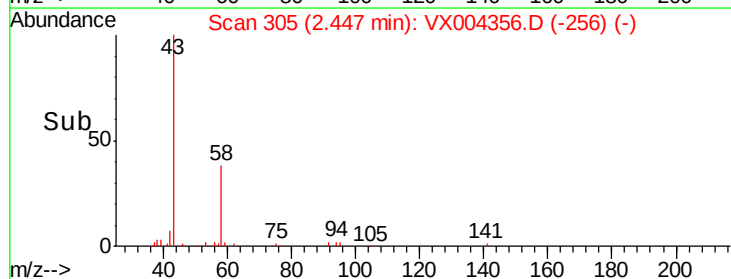
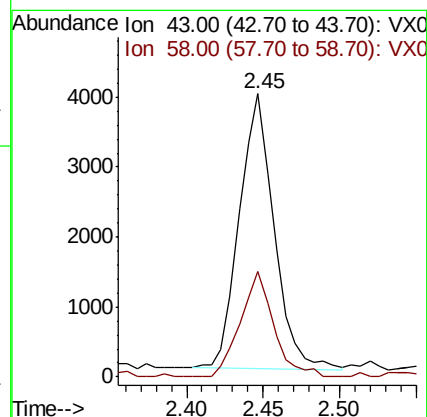
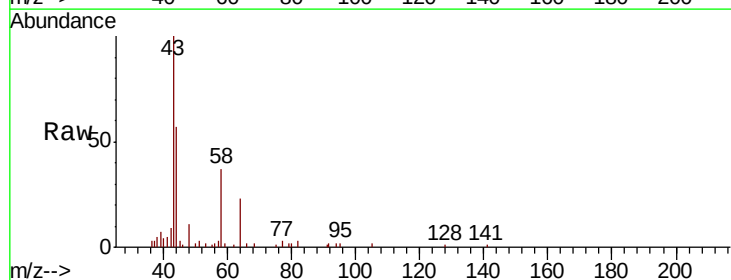
Acq: 04 Sep 2018 19:20

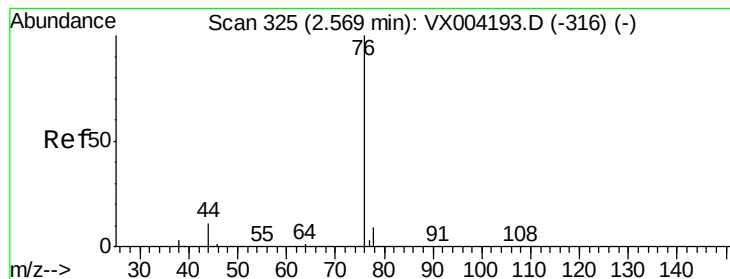
Tgt Ion: 43 Resp: 6168

Ion Ratio Lower Upper

43 100

58 38.3 26.2 39.4





#17

Carbon Disulfide

Concen: 0.86 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

Instrument :

MSVOA_X

ClientSampled :

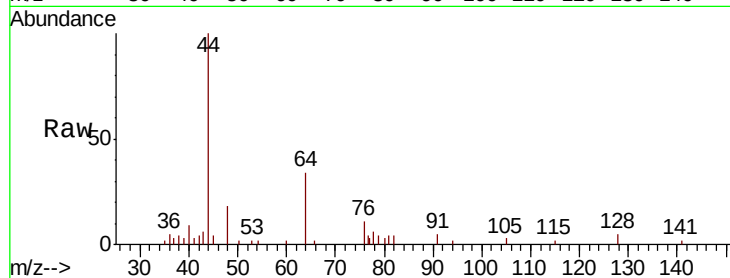
EP1-MW-TB-01

Tot Ion: 76 Resp: 563

Ion Ratio Lower Upper

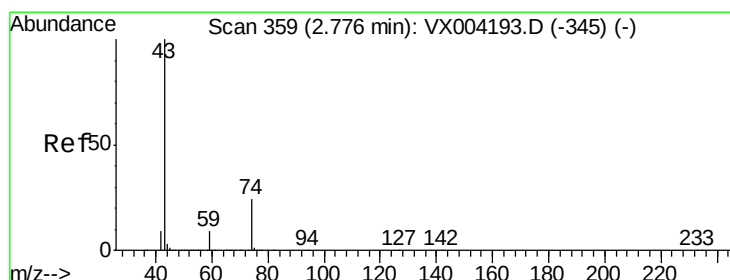
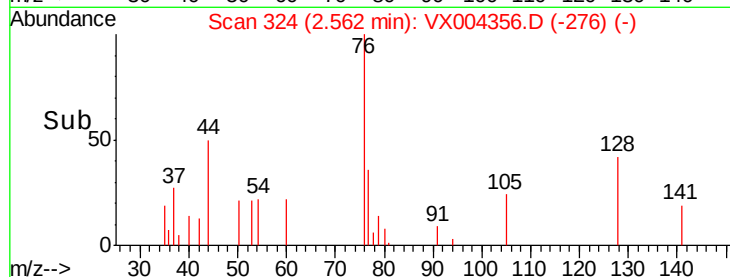
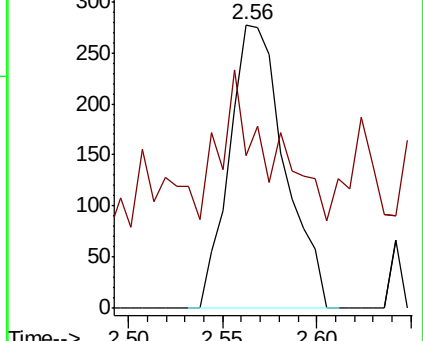
76 100

78 10.8 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.29 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.01 min

Lab File: VX004356.D

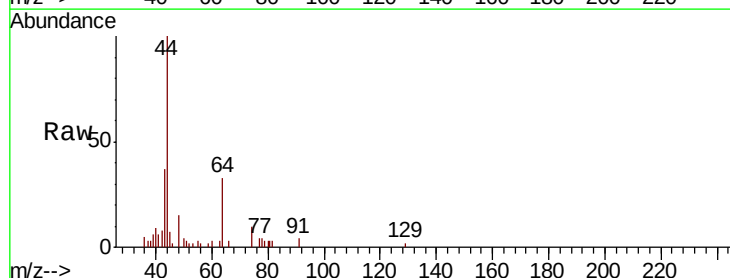
Acq: 04 Sep 2018 19:20

Tgt Ion: 43 Resp: 1567

Ion Ratio Lower Upper

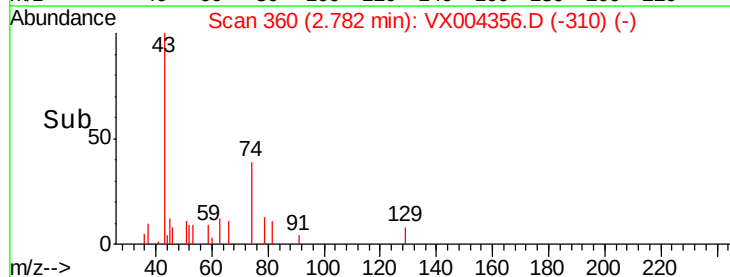
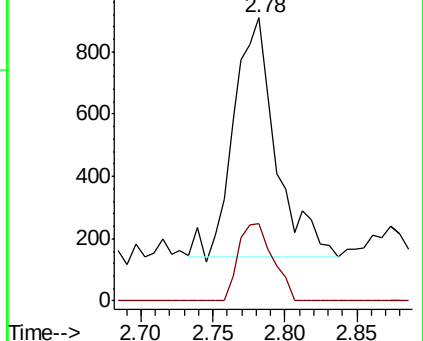
43 100

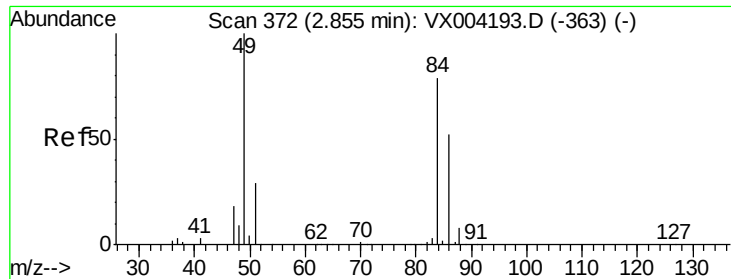
74 26.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

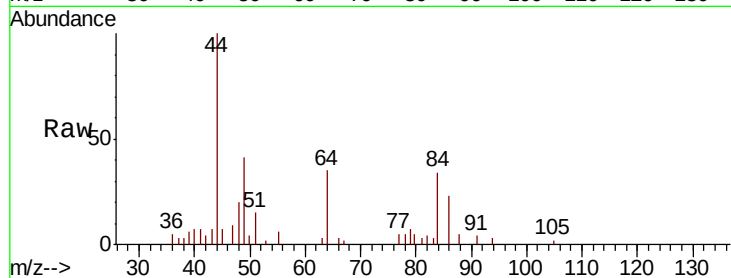




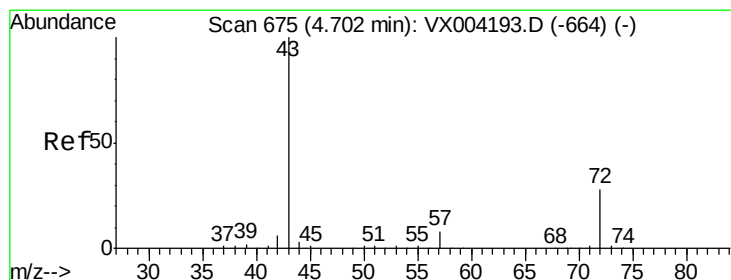
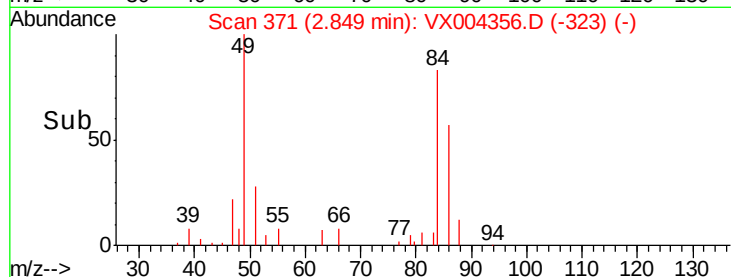
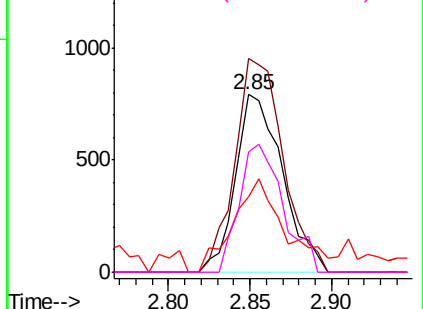
#20
Methvlene Chloride
Concen: 0.45 ua/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX004356.D
Acq: 04 Sep 2018 19:20

Instrument :
MSVOA_X
ClientSampled :
EP1-MW-TB-01

Tot Ion: 84 Resp: 1588
Ion Ratio Lower Upper
84 100
49 120.5 101.2 151.8
51 42.7 29.5 44.3
86 68.1 52.3 78.5

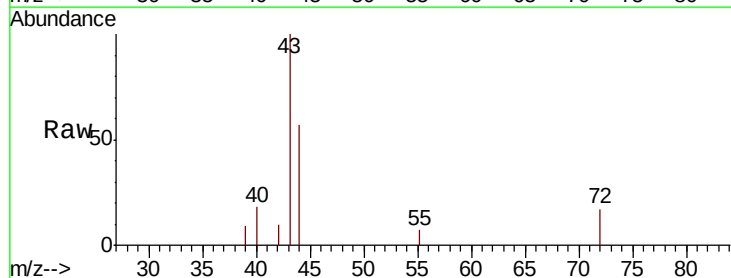


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

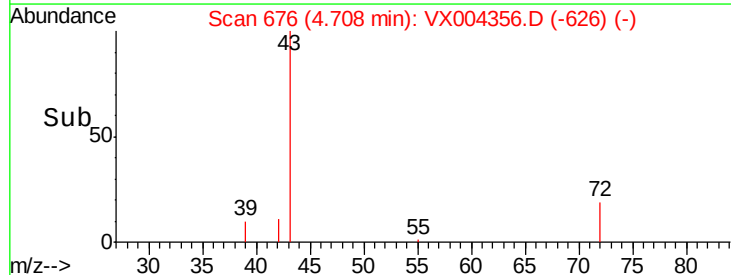
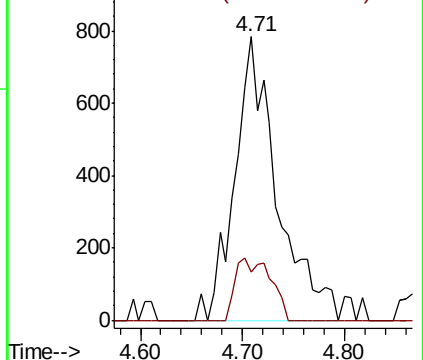


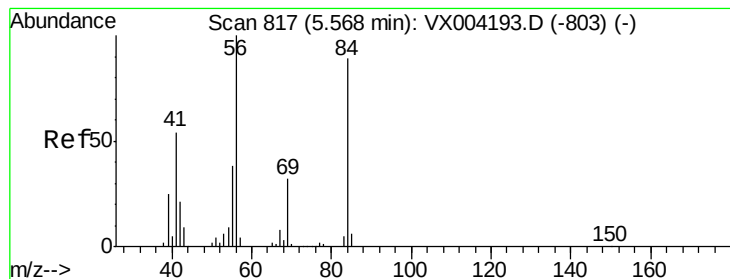
#25
2-Butanone
Concen: Below Cal
RT: 4.71 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX004356.D
Acq: 04 Sep 2018 19:20

Tgt Ion: 43 Resp: 2268
Ion Ratio Lower Upper
43 100
72 17.0 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: 0.91 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-TB-01

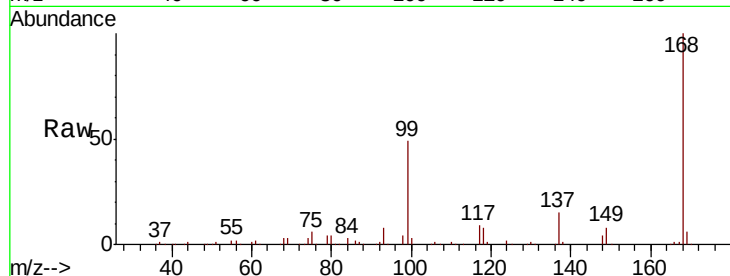
Tot Ion: 56 Resp: 4705

Ion Ratio Lower Upper

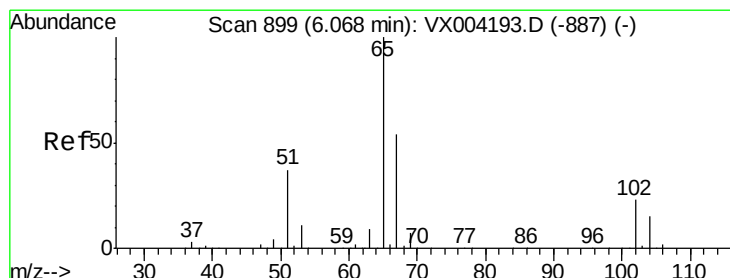
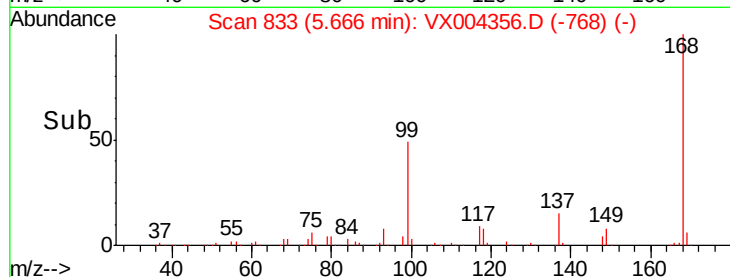
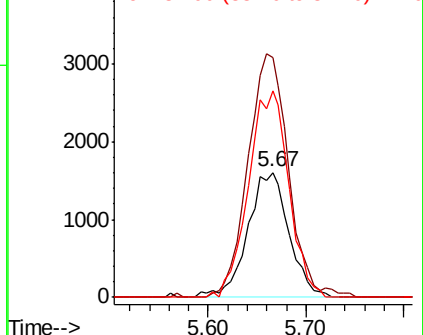
56 100

69 192.5 25.4 38.2#

84 165.9 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: 51.71 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004356.D

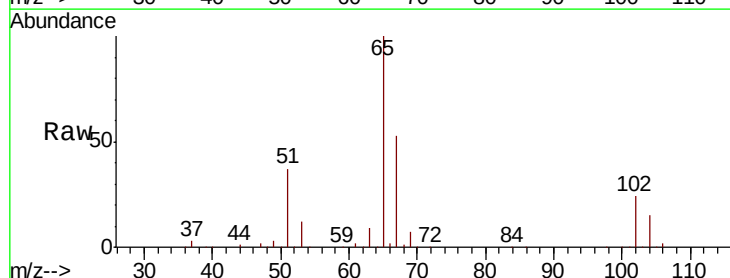
Acq: 04 Sep 2018 19:20

Tgt Ion: 65 Resp: 190255

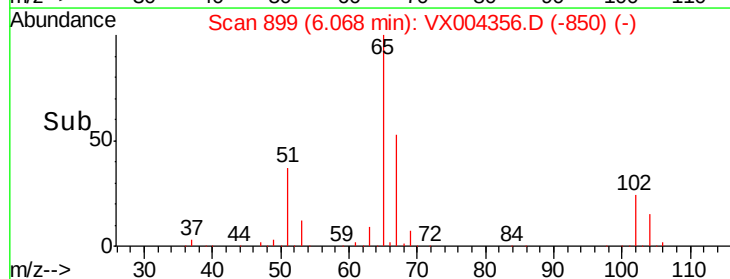
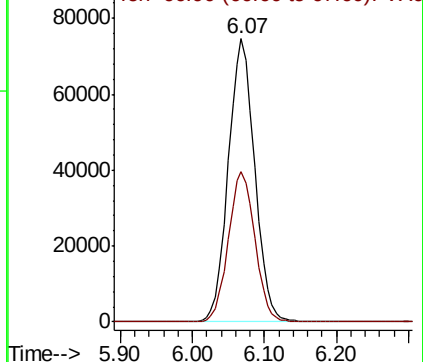
Ion Ratio Lower Upper

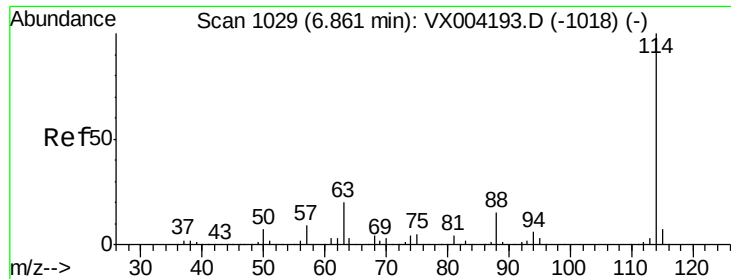
65 100

67 53.4 0.0 106.8



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

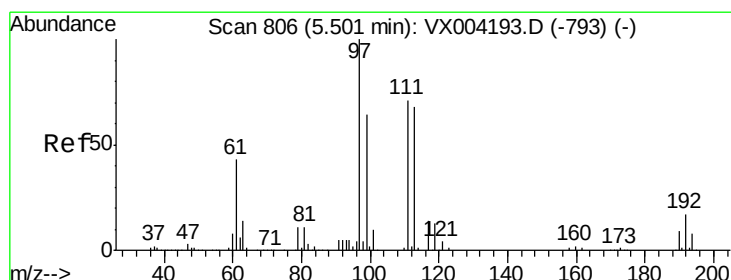
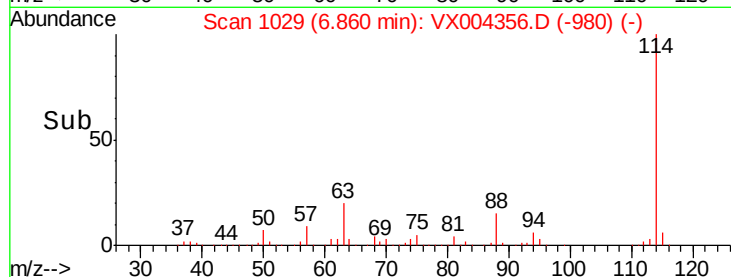
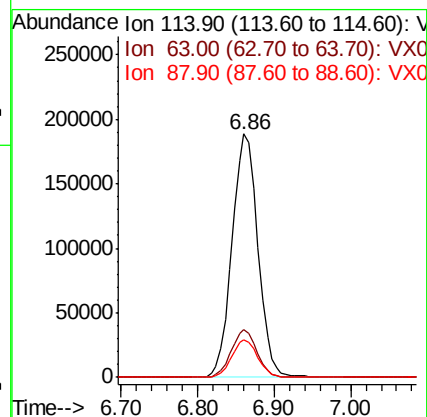
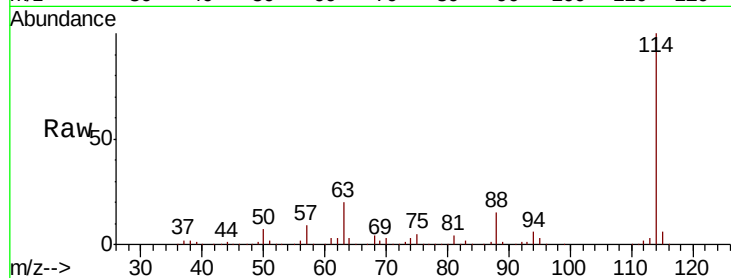




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004356.D
 Acq: 04 Sep 2018 19:20

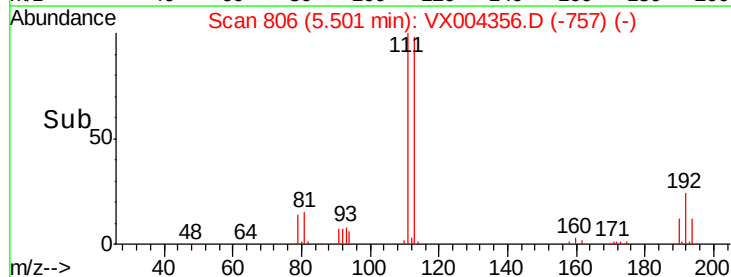
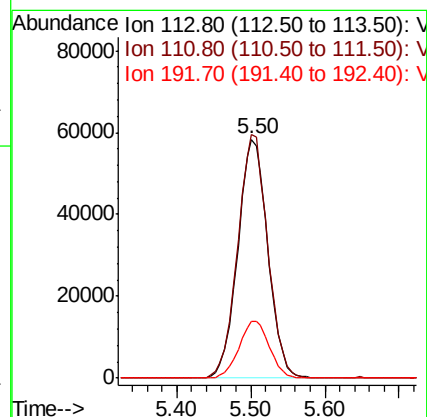
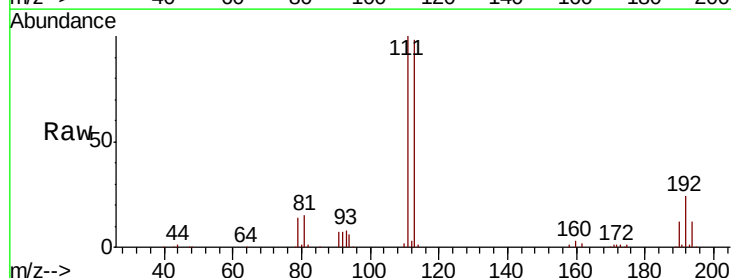
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-TB-01

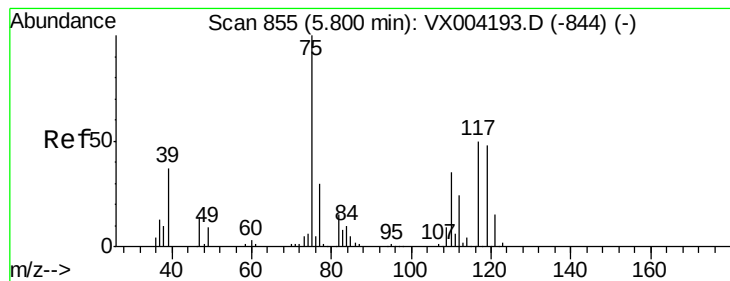
Tot Ion:114 Resp: 441605
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.4 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 50.13 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004356.D
 Acq: 04 Sep 2018 19:20

Tgt Ion:113 Resp: 164692
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.4 123.6
 192 24.2 19.4 29.2





#36

1,1-Dichloropropene

Concen: 3.67 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-TB-01

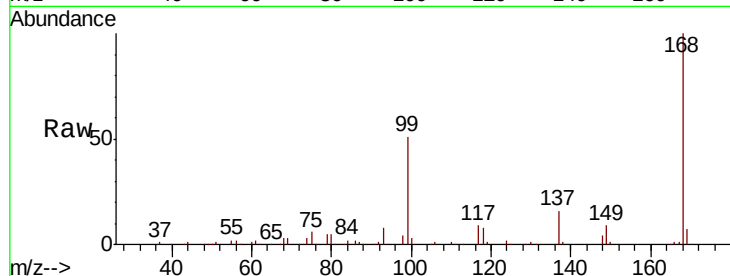
Tot Ion: 75 Resp: 18204

Ion Ratio Lower Upper

75 100

110 9.3 18.0 54.0#

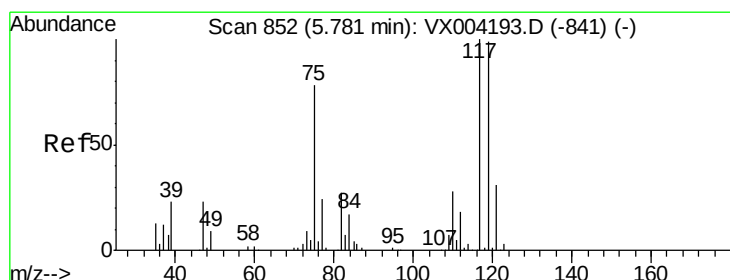
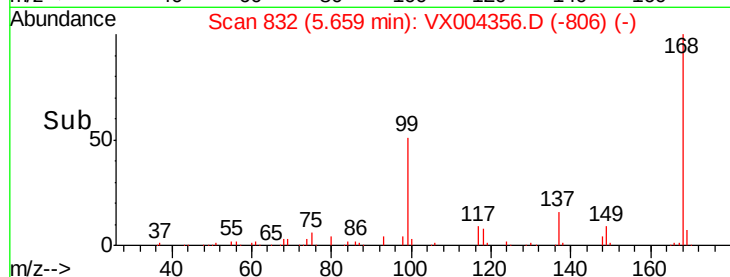
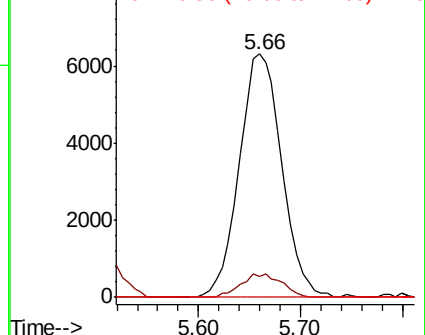
77 0.0 24.6 36.8#



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: 5.21 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

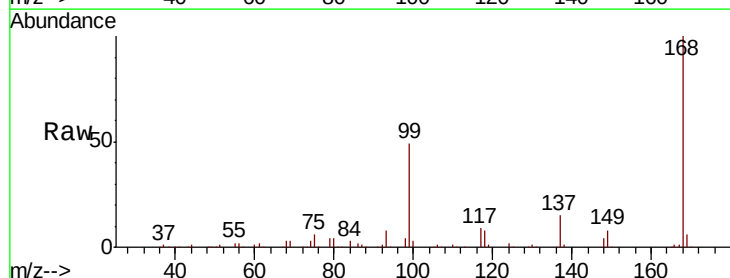
Tgt Ion: 117 Resp: 24344

Ion Ratio Lower Upper

117 100

119 7.2 78.8 118.2#

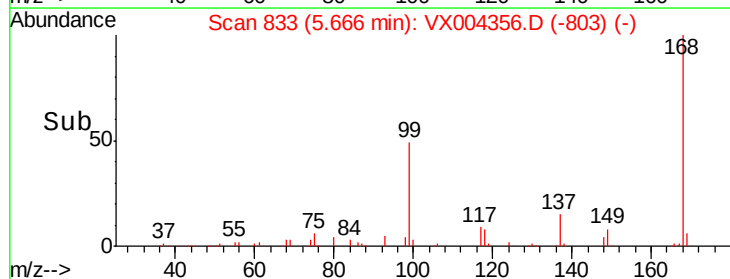
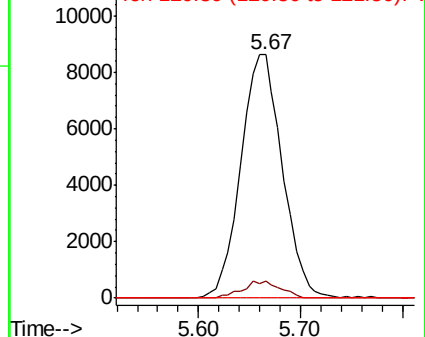
121 0.0 24.9 37.3#

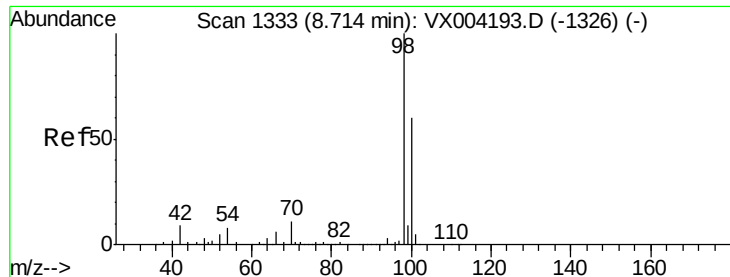


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

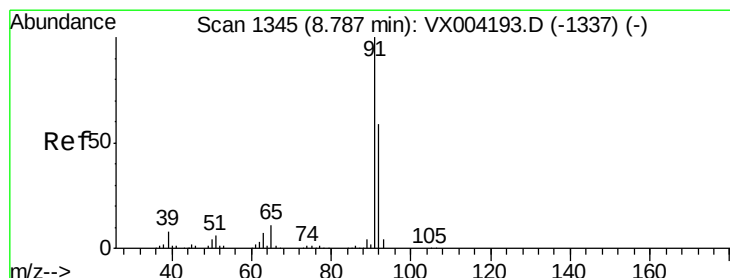
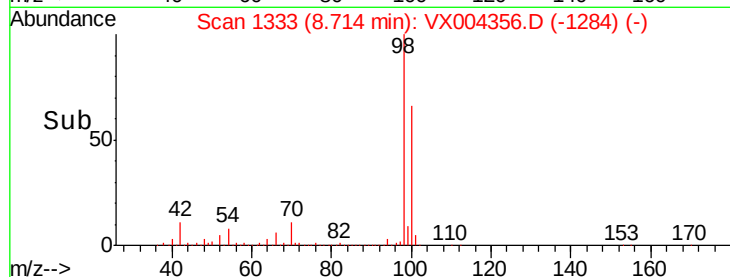
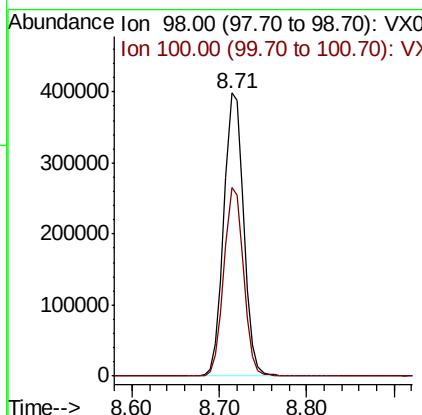
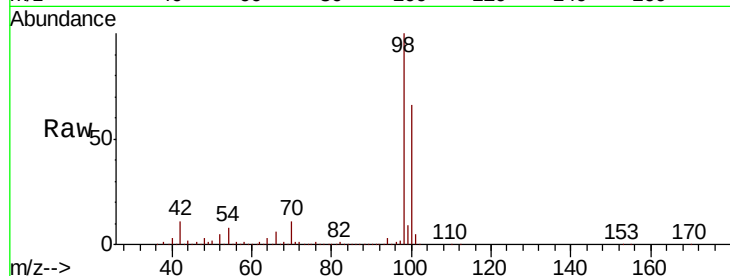




#50
Toluene-d8
Concen: 50.69 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004356.D
Acq: 04 Sep 2018 19:20

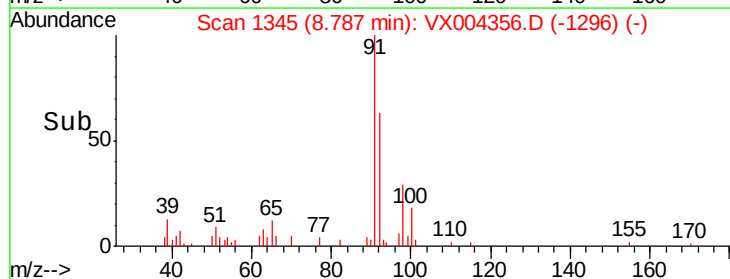
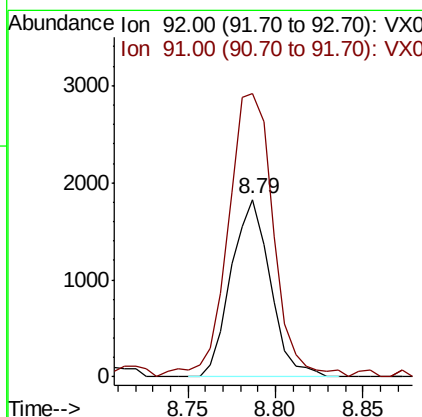
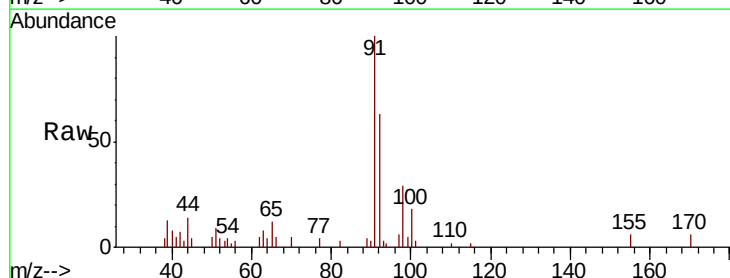
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-TB-01

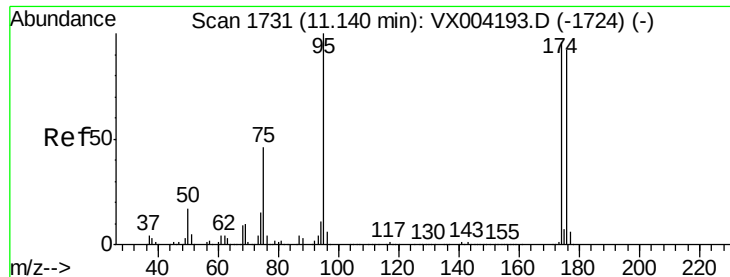
Tot Ion: 98 Resp: 628535
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#52
Toluene
Concen: 0.31 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004356.D
Acq: 04 Sep 2018 19:20

Tgt Ion: 92 Resp: 2853
Ion Ratio Lower Upper
92 100
91 183.9 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 51.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-TB-01

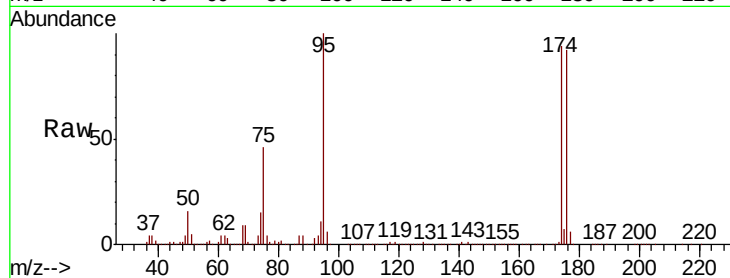
Tot Ion: 95 Resp: 238152

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.2

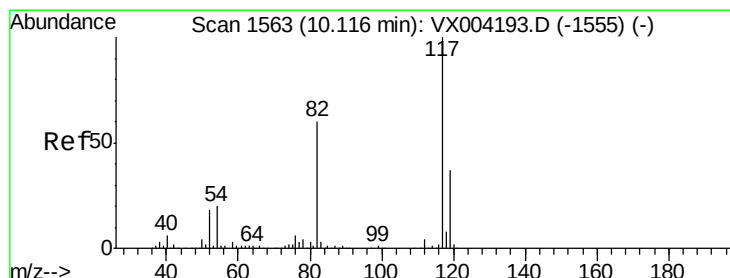
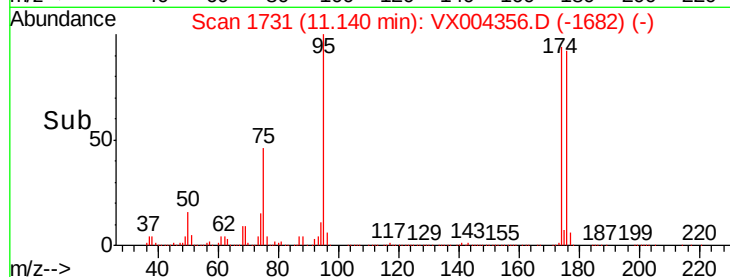
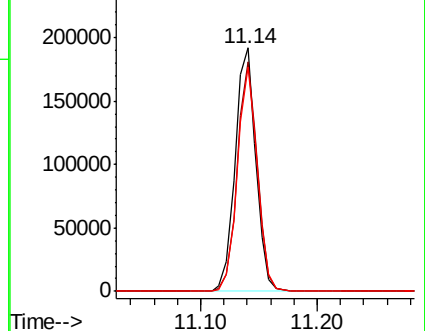
176 88.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004193.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX004193.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX004193.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

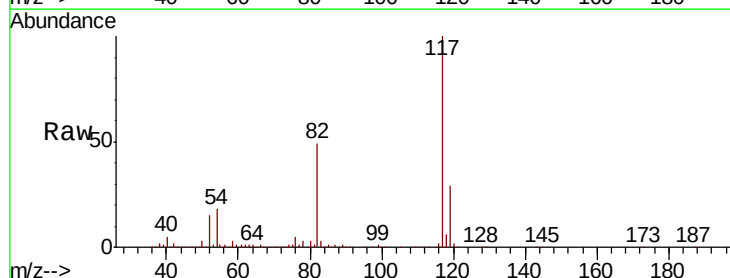
Tgt Ion: 117 Resp: 426931

Ion Ratio Lower Upper

117 100

82 48.7 47.8 71.6

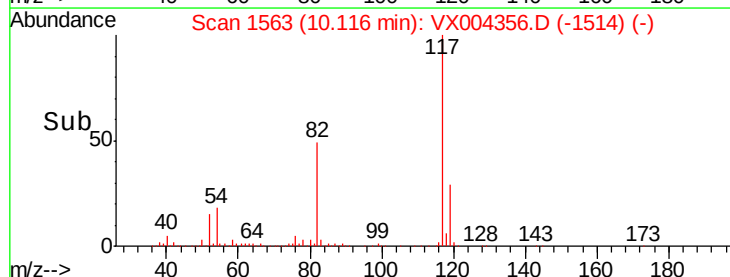
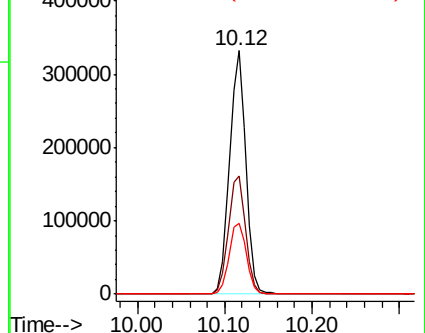
119 29.1 29.3 43.9#

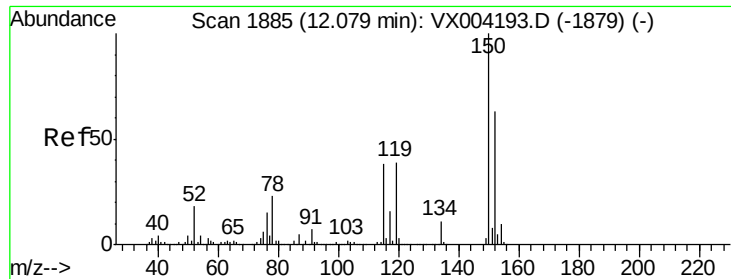


Abundance Ion 116.90 (116.60 to 117.60): VX004193.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX004193.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX004193.D (-1555) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-TB-01

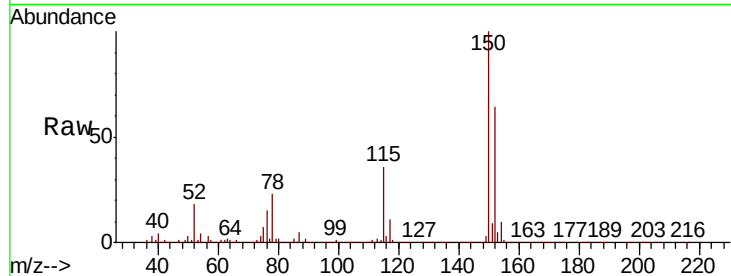
Tot Ion:152 Resp: 249448

Ion Ratio Lower Upper

152 100

115 54.9 39.0 117.0

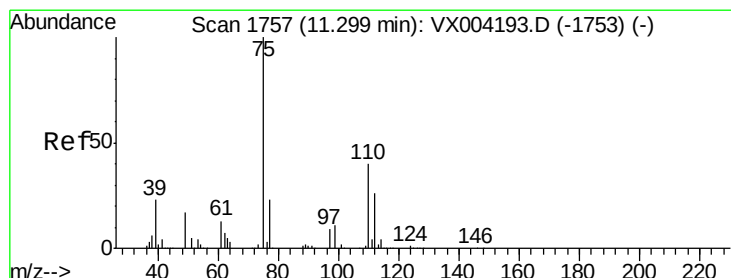
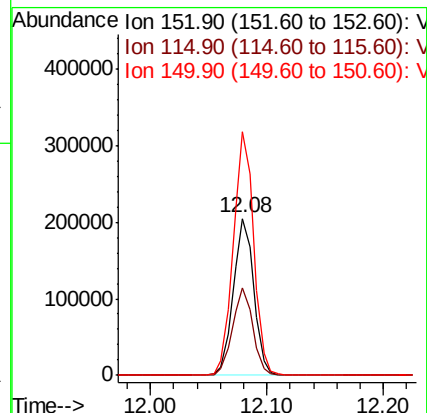
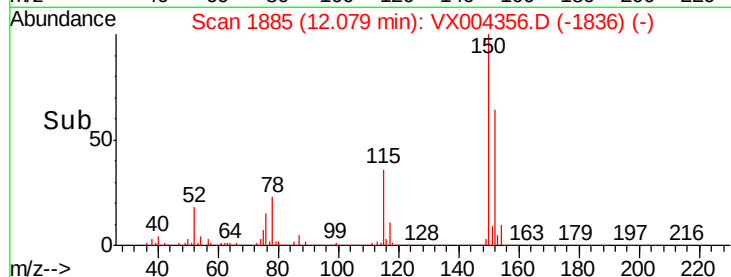
150 155.0 0.0 351.0



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: 21.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004356.D

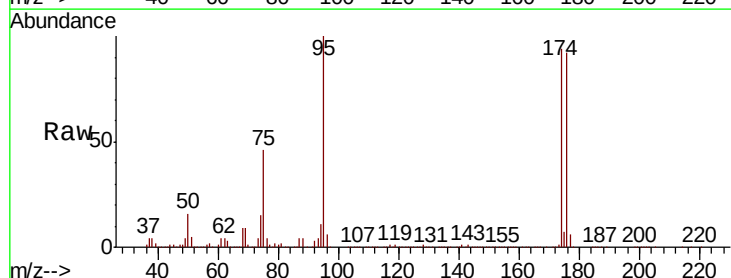
Acq: 04 Sep 2018 19:20

Tgt Ion: 75 Resp: 110727

Ion Ratio Lower Upper

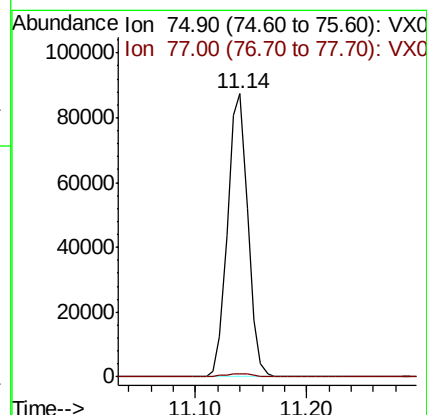
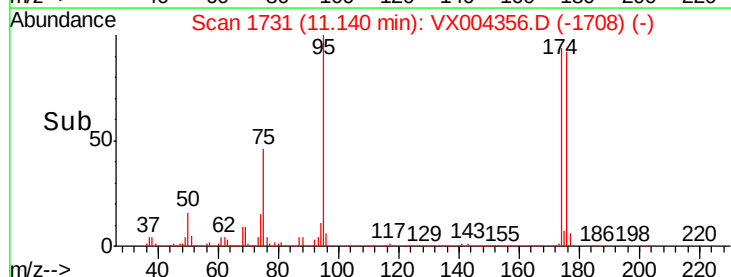
75 100

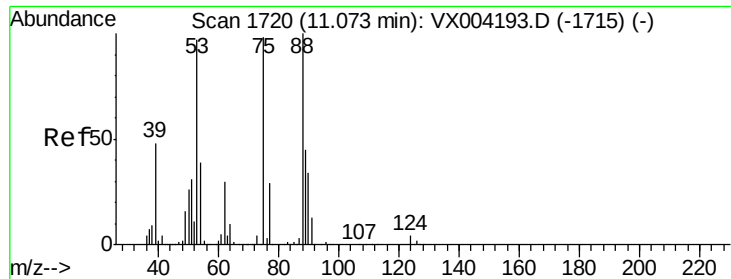
77 1.5 20.2 60.6#



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: 70.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004356.D

Acq: 04 Sep 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-TB-01

Tot Ion: 75 Resp: 110727

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 37.2 55.8#

