

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004493.D
 Acq On : 12 Sep 2018 14:34
 Operator : JC/MD
 Sample : J4848-03 10X
 Misc : 5.05µ/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(12-16)

Quant Time: Sep 13 01:01:47 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	5.66	168	196384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310035	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	135929	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	5.50	113	117494	41.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.82%	
50) Toluene-d8	8.72	98	463078	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.14	95	244435	71.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.94%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	667	0.26	ug/l	95
10) Methyl Iodide	2.51	142	1133	4.65	ug/l #	91
11) Tert butyl alcohol	3.08	59	402	0.67	ug/l #	75
13) Acrolein	2.29	56	195	0.82	ug/l #	26
15) Acrylonitrile	3.15	53	352	0.24	ug/l #	57
16) Acetone	2.45	43	1227	0.99	ug/l #	80
18) Methyl Acetate	2.78	43	1252	0.36	ug/l	97
20) Methylene Chloride	2.85	84	775	0.31	ug/l #	93
25) 2-Butanone	4.71	43	704	0.36	ug/l	93
26) 2,2-Dichloropropane	4.79	77	977	0.33	ug/l #	52
29) Tetrahydrofuran	5.17	42	462	0.39	ug/l #	47
36) 1,1-Dichloropropene	5.67	75	13024	3.46	ug/l #	49
38) Carbon Tetrachloride	5.67	117	17212	4.68	ug/l #	16
39) Methylcyclohexane	7.45	83	3274	0.83	ug/l #	66
51) 4-Methyl-2-Pentanone	8.67	43	2254	0.56	ug/l #	34
55) 1,1,2-Trichloroethane	9.16	97	27984	9.88	ug/l #	20
56) Ethyl methacrylate	9.16	69	6206	1.55	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	47	7.29	ug/l #	45
59) 2-Hexanone	9.44	43	129113	41.95	ug/l #	26
61) 1,2-Dibromoethane	9.67	107	641	0.24	ug/l #	1
65) Chlorobenzene	10.24	112	9932	1.24	ug/l #	40
67) Ethyl Benzene	10.24	91	2726	0.21	ug/l #	42
73) Isopropylbenzene	11.02	105	334152	25.52	ug/l	99
74) N-aryl acetate	10.91	43	650627	118.04	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	11.28	83	380866	90.16	ug/l #	25
76) 1,2,3-Trichloropropane	11.37	75	5014	1.25	ug/l #	1
78) n-propylbenzene	11.37	91	852568	56.62	ug/l	98
79) 2-Chlorotoluene	11.37	91	852568	93.36	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	83891	66.84	ug/l #	9
82) 4-Chlorotoluene	11.77	91	65798	6.17	ug/l	76
83) tert-Butylbenzene	11.77	119	98968	9.44	ug/l	82
84) 1,2,4-Trimethylbenzene	11.81	105	23287	2.07	ug/l	88
85) sec-Butylbenzene	11.95	105	658546	49.31	ug/l	94
86) p-Isopropyltoluene	12.24	119	169669	14.39	ug/l	93

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

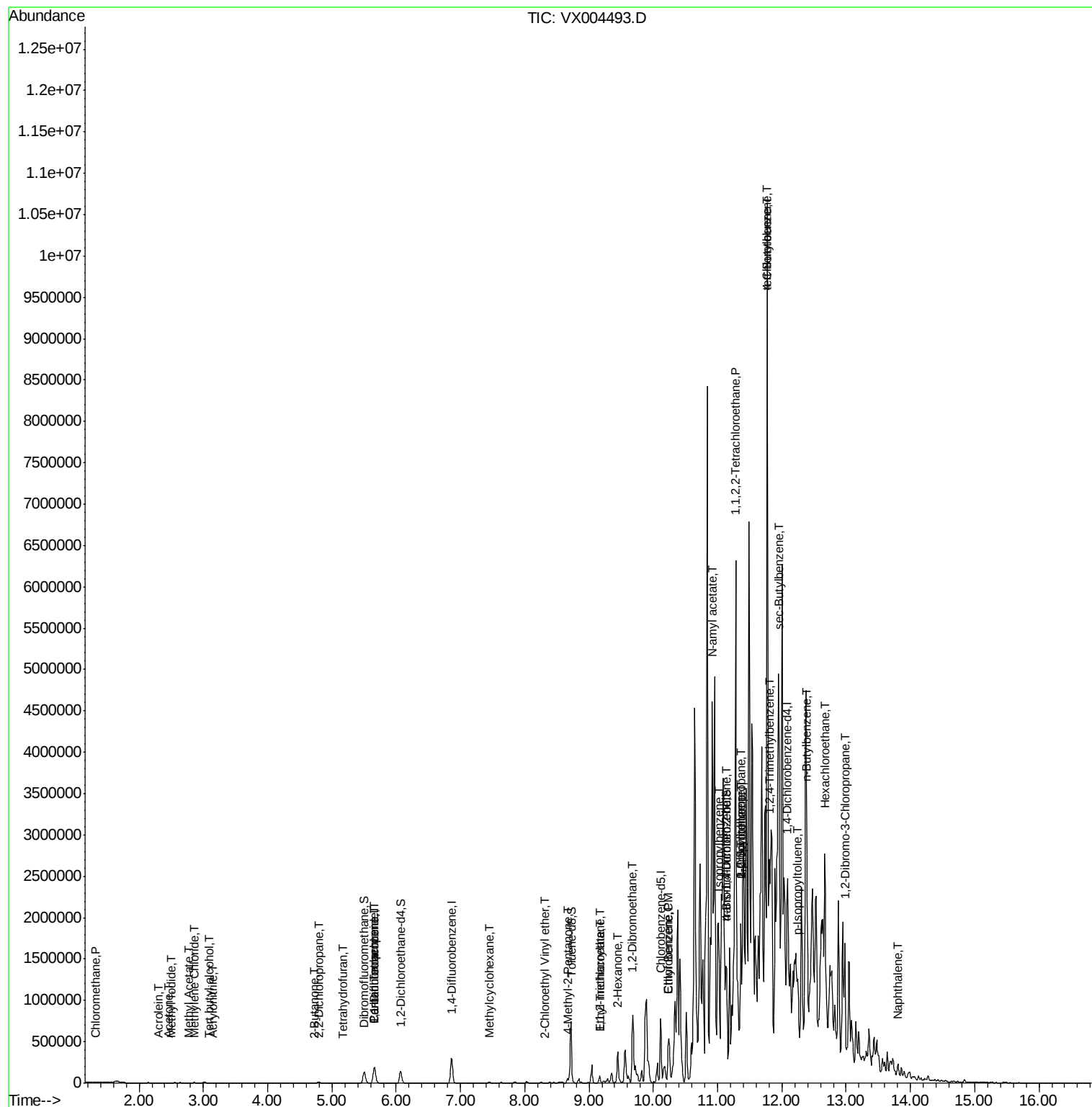
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.39	91	370230	34.45	ug/l	85
90) Hexachloroethane	12.67	117	89517	47.41	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.98	75	4291	4.76	ug/l #	1
95) Naphthalene	13.81	128	6884	0.51	ug/l #	2

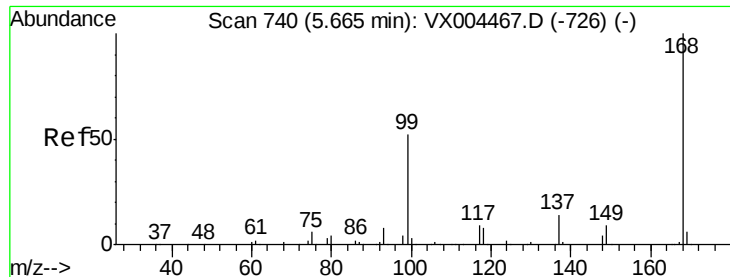
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091218\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

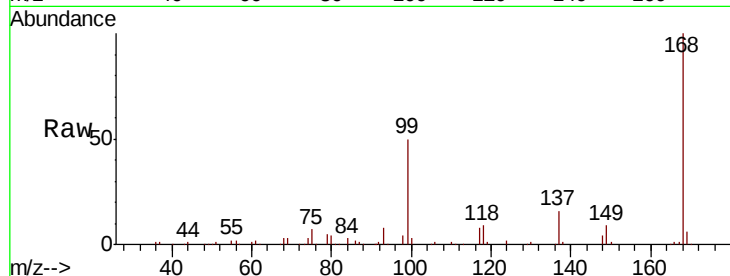
EP1-MW-A(12-16)

Tot Ion:168 Resp: 196384

Ion Ratio Lower Upper

168 100

99 49.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

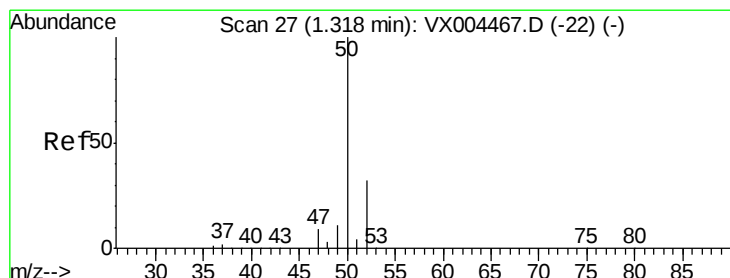
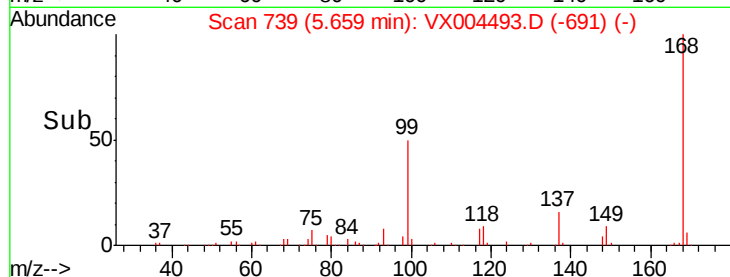
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004493.D

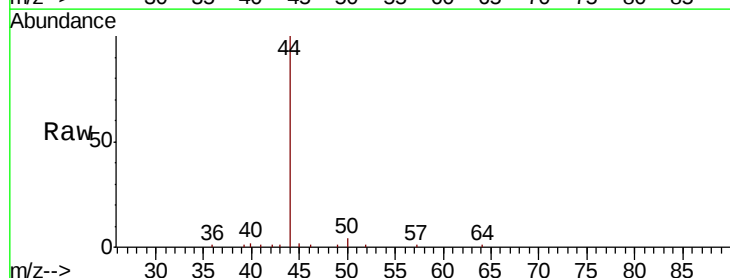
Acq: 12 Sep 2018 14:34

Tgt Ion: 50 Resp: 667

Ion Ratio Lower Upper

50 100

52 29.7 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

400

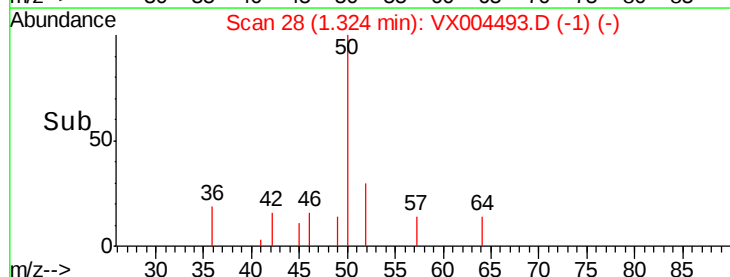
300

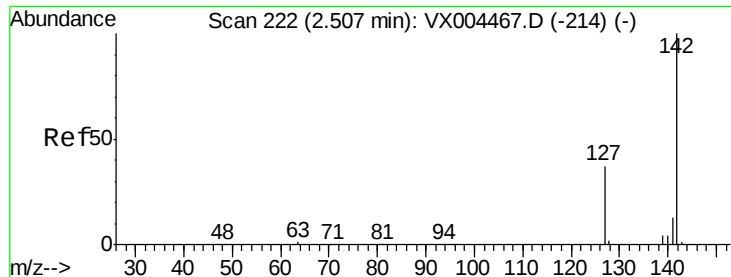
200

100

0

Time--> 1.30 1.35

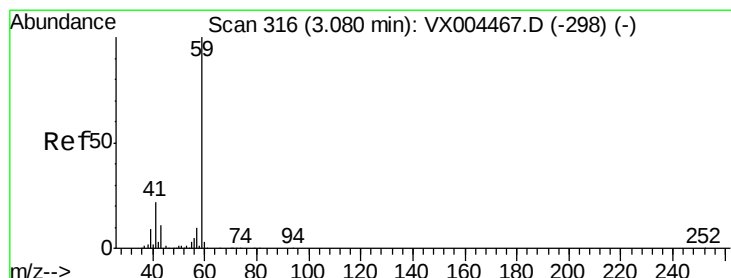
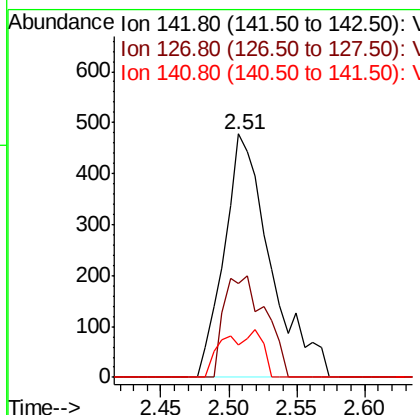
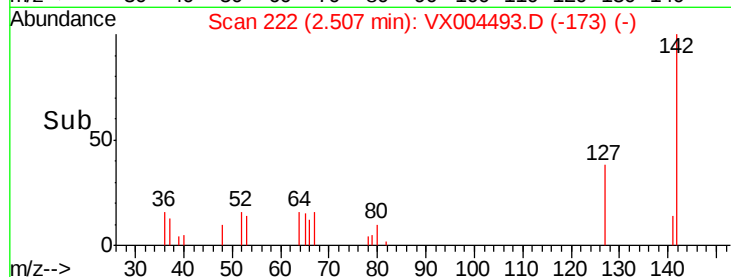
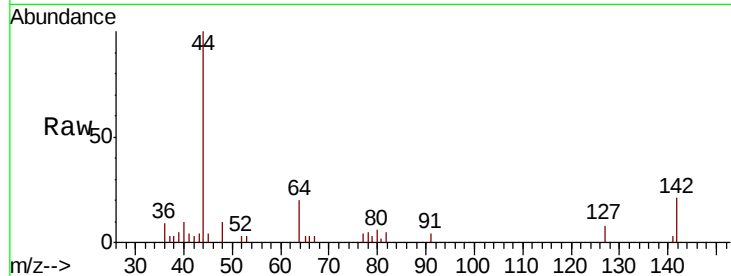




#10
Methvl Iodide
Concen: 4.65 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX004493.D
Acq: 12 Sep 2018 14:34

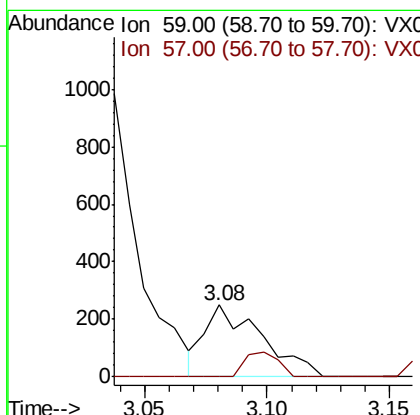
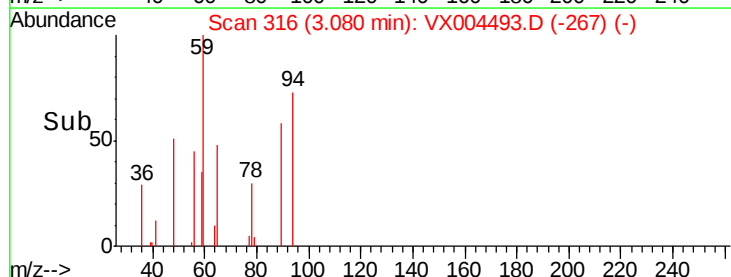
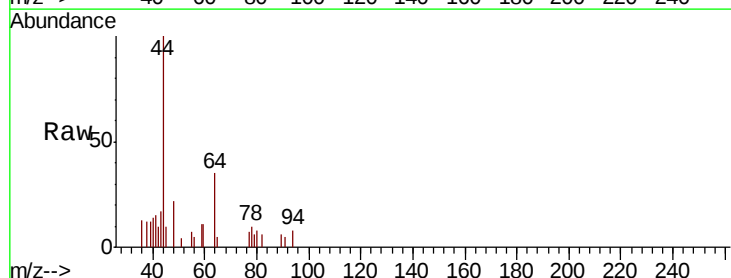
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(12-16)

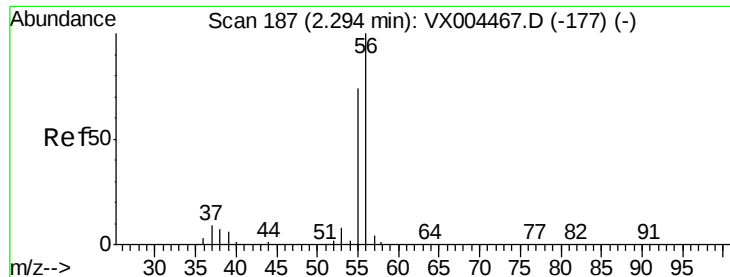
Tot Ion:142 Resp: 1133
Ion Ratio Lower Upper
142 100
127 37.3 33.8 50.6
141 8.8 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.67 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX004493.D
Acq: 12 Sep 2018 14:34

Tgt Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 19.7 8.2 12.4#





#13

Acrolein

Concen: 0.82 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

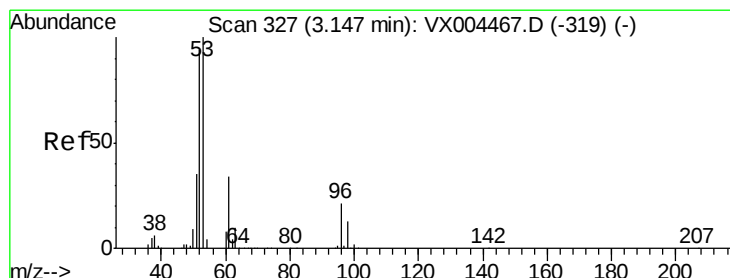
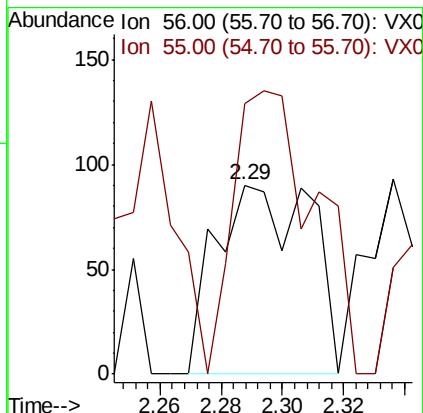
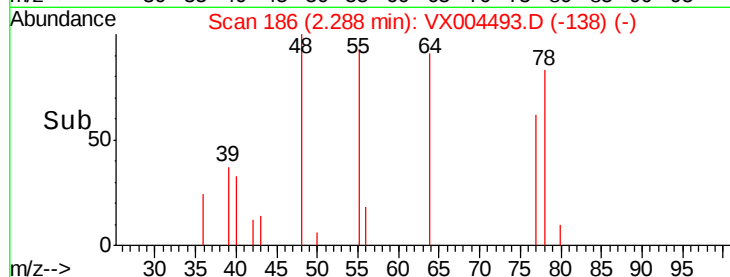
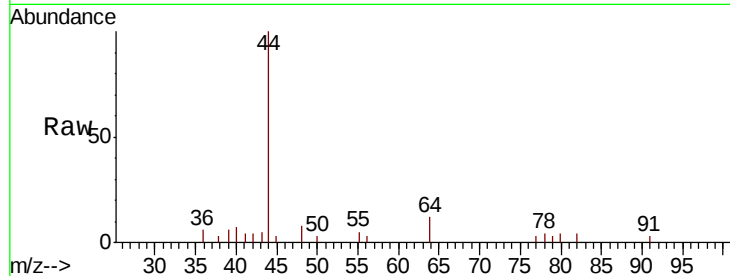
EP1-MW-A(12-16)

Tot Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

55 128.7 54.7 82.1#



#15

Acrylonitrile

Concen: 0.24 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

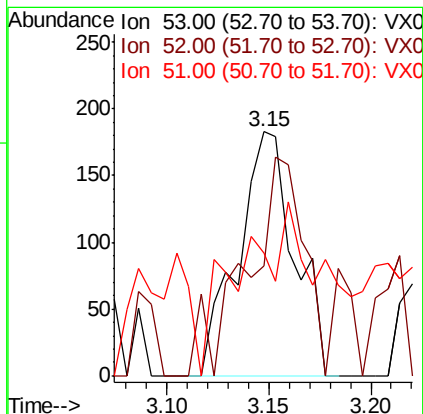
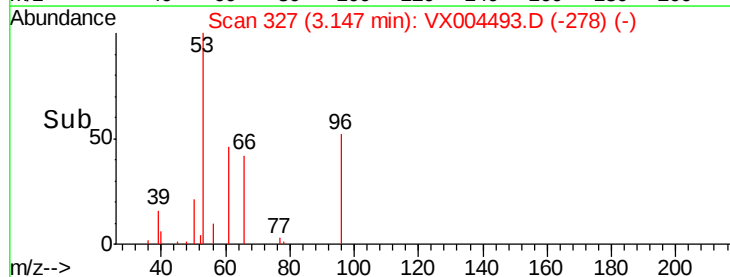
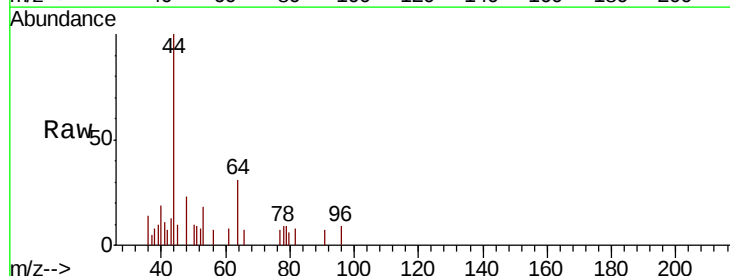
Tgt Ion: 53 Resp: 352

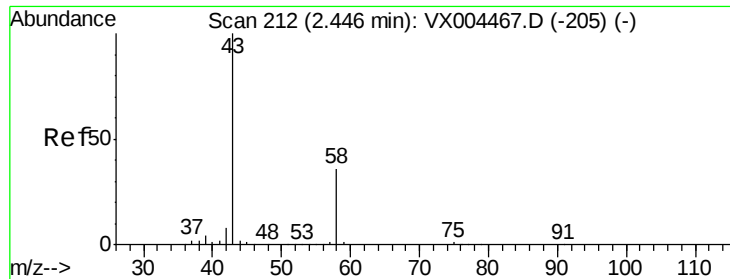
Ion Ratio Lower Upper

53 100

52 91.5 65.2 97.8

51 103.4 28.2 42.2#





#16

Acetone

Concen: 0.99 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

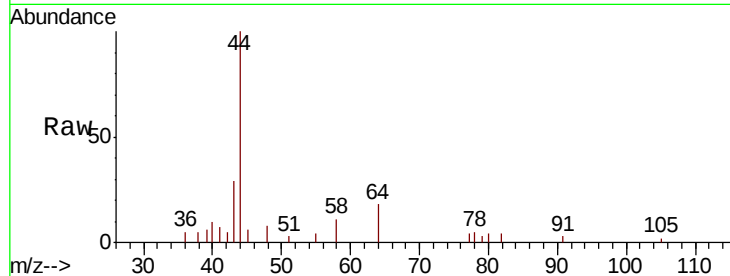
EP1-MW-A(12-16)

Tot Ion: 43 Resp: 1227

Ion Ratio Lower Upper

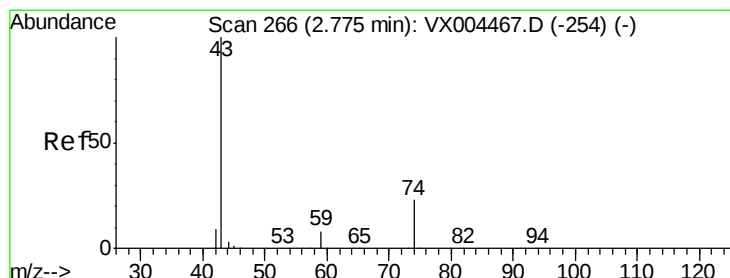
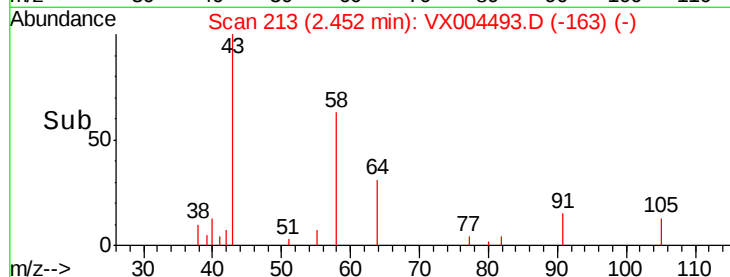
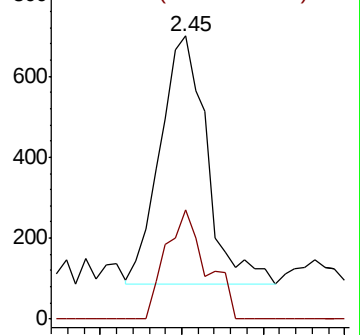
43 100

58 44.2 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.36 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX004493.D

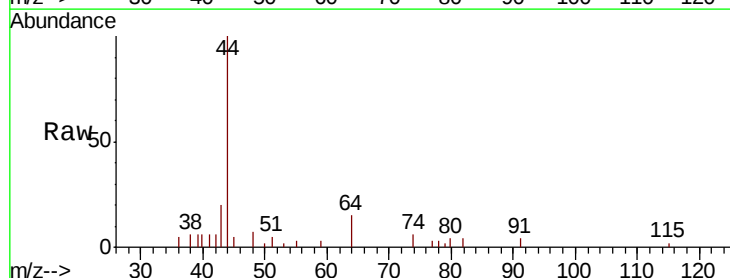
Acq: 12 Sep 2018 14:34

Tgt Ion: 43 Resp: 1252

Ion Ratio Lower Upper

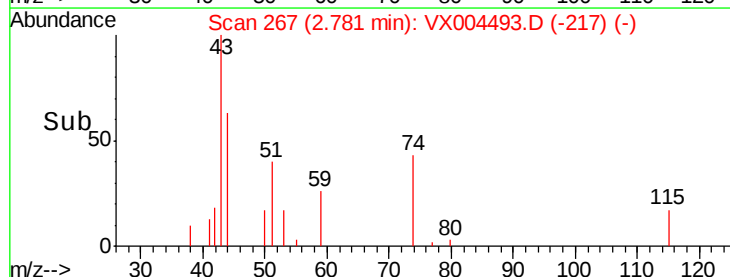
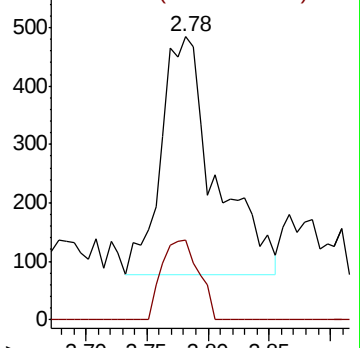
43 100

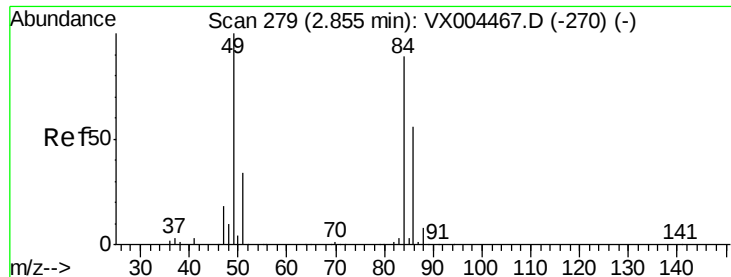
74 22.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

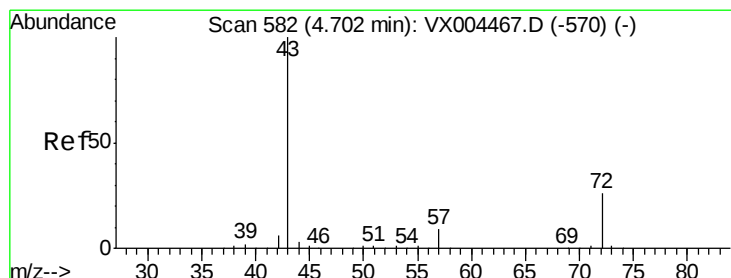
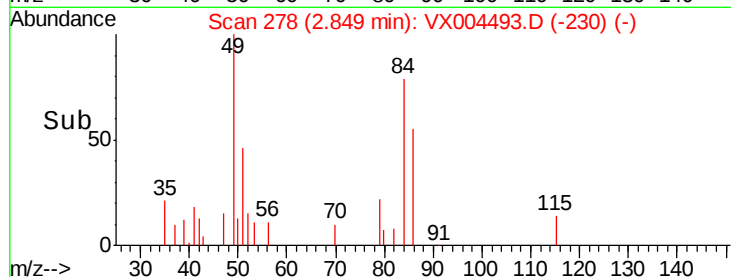
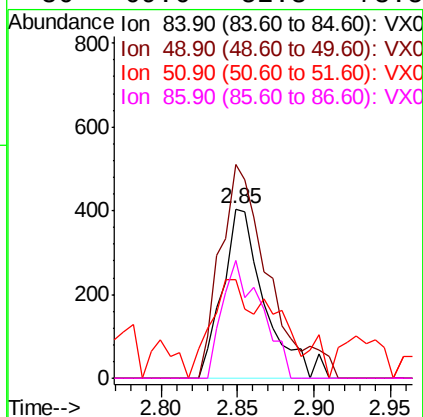
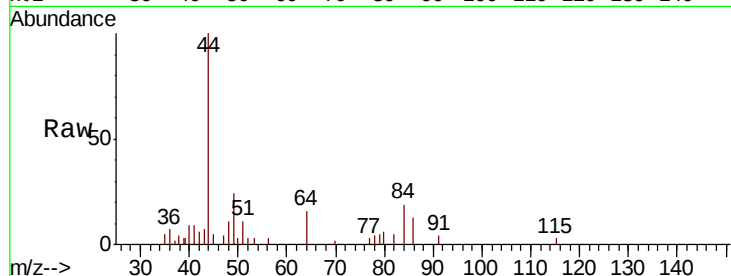




#20
Methylene Chloride
Concen: 0.31 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004493.D
Acq: 12 Sep 2018 14:34

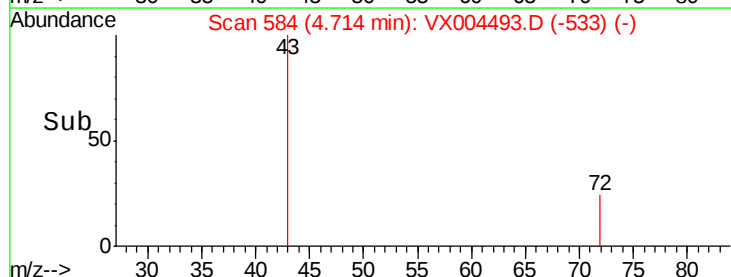
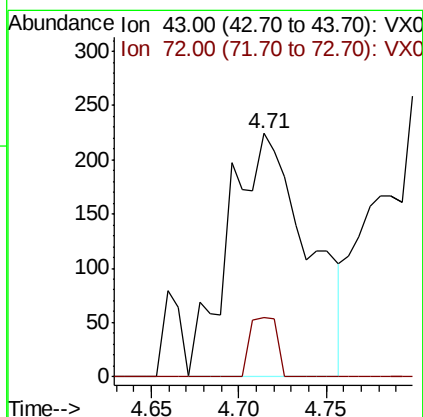
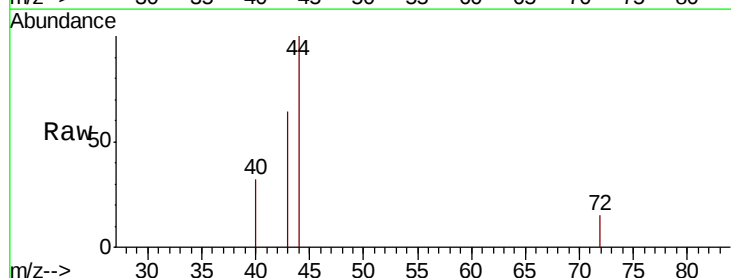
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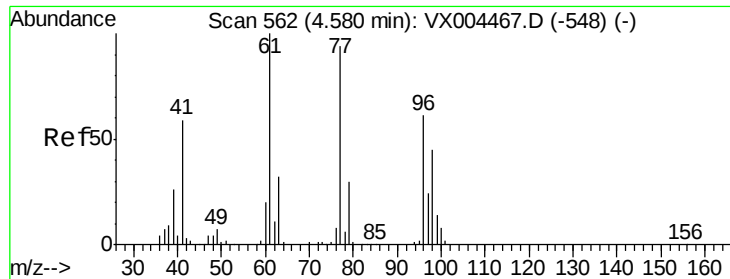
Tot Ion: 84 Resp: 775
Ion Ratio Lower Upper
84 100
49 126.2 101.2 151.8
51 58.4 29.5 44.3#
86 69.6 52.3 78.5



#25
2-Butanone
Concen: 0.36 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX004493.D
Acq: 12 Sep 2018 14:34

Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
72 24.1 22.0 33.0





#26

2,2-Dichloropropane

Concen: 0.33 ug/l

RT: 4.79 min Scan# 596

Delta R.T. 0.21 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

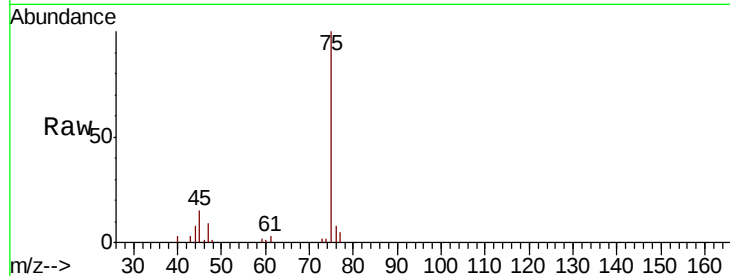
EP1-MW-A(12-16)

Tot Ion: 77 Resp: 977

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

4.79

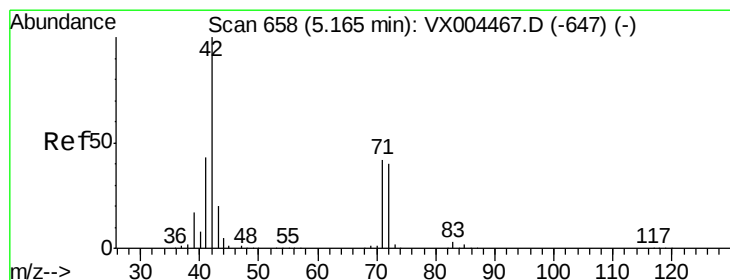
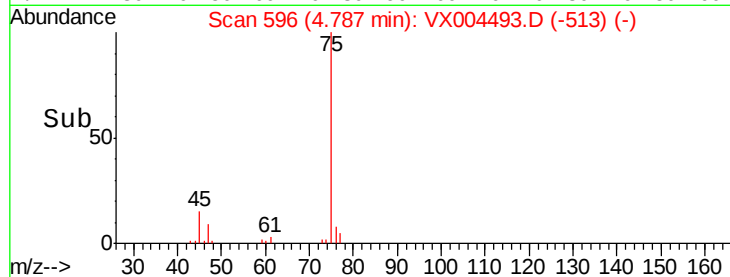
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

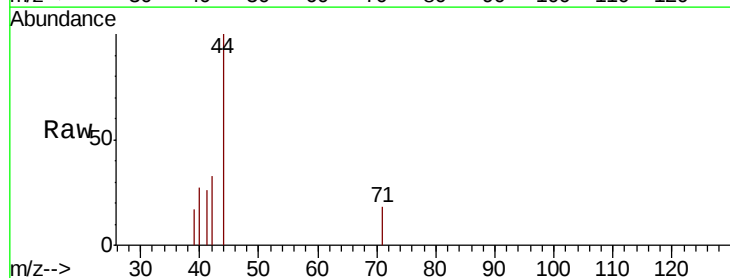
Tgt Ion: 42 Resp: 462

Ion Ratio Lower Upper

42 100

72 4.3 37.4 56.0#

71 17.1 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

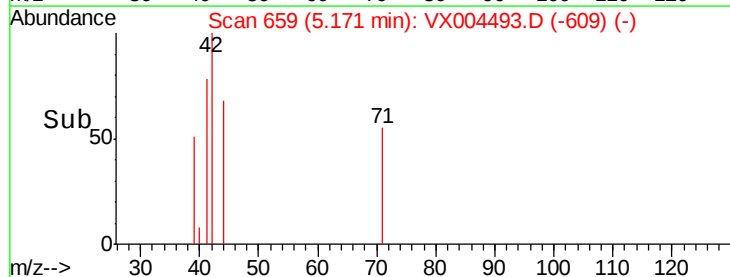
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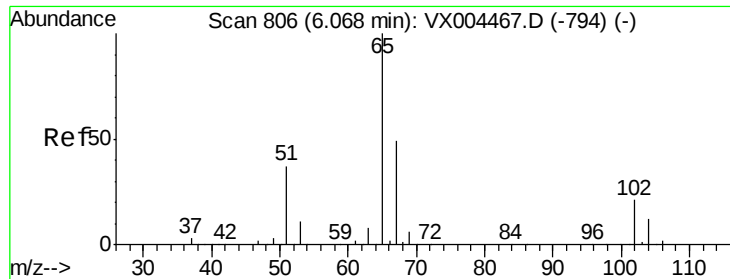
100

50

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 53.68 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

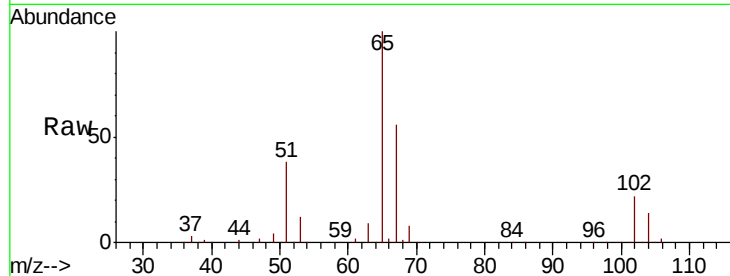
EP1-MW-A(12-16)

Tot Ion: 65 Resp: 135929

Ion Ratio Lower Upper

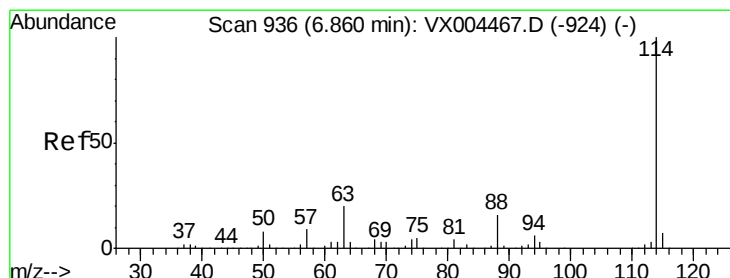
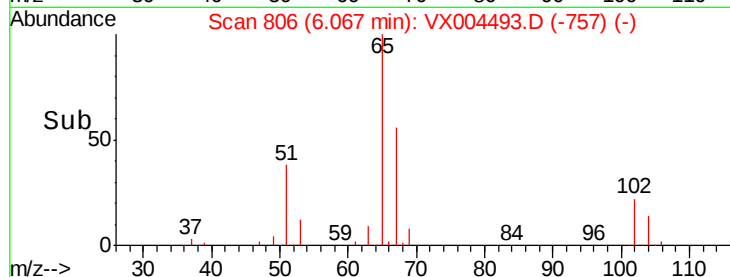
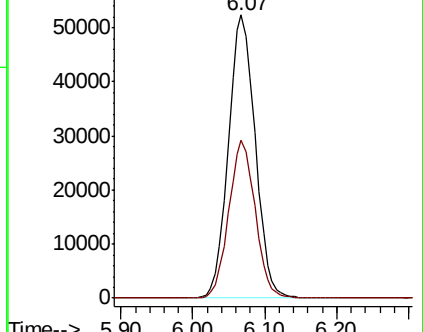
65 100

67 54.9 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# 936

Delta R.T. -0.00 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

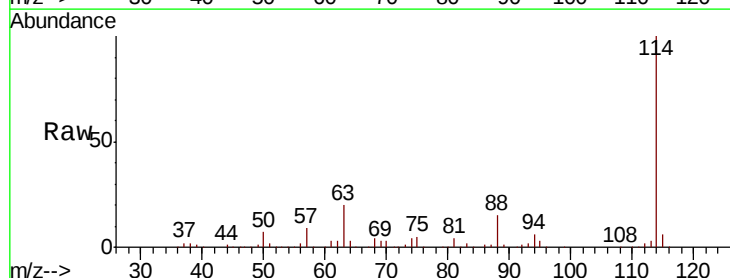
Tgt Ion: 114 Resp: 310035

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

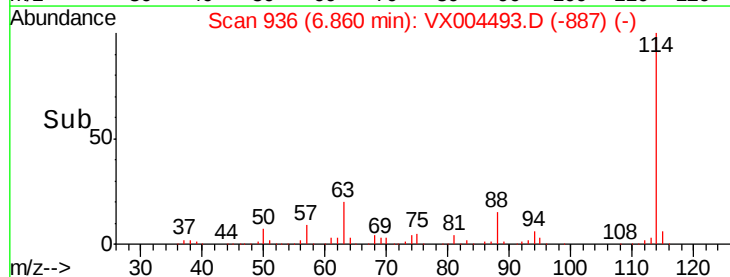
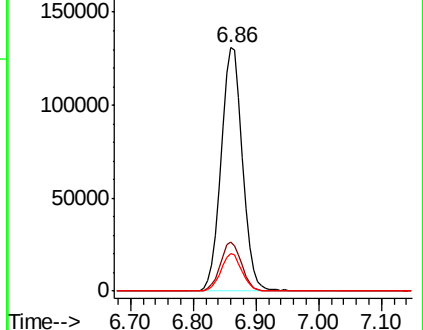
88 15.3 0.0 30.4

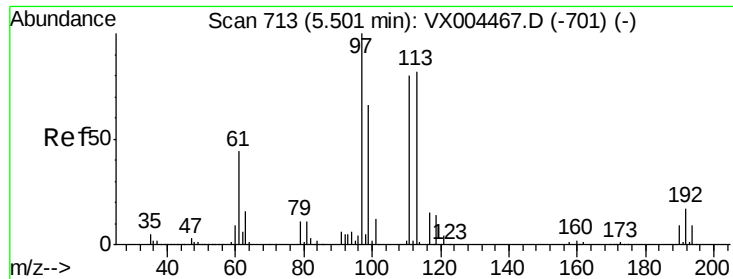


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 41.41 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(12-16)

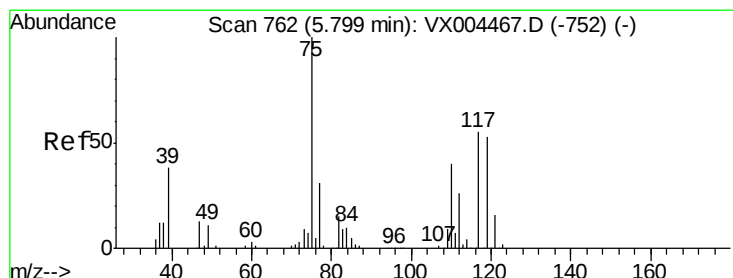
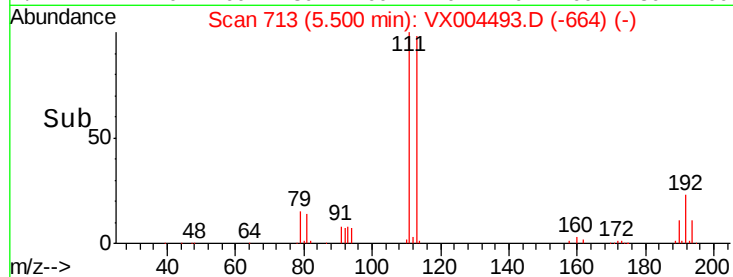
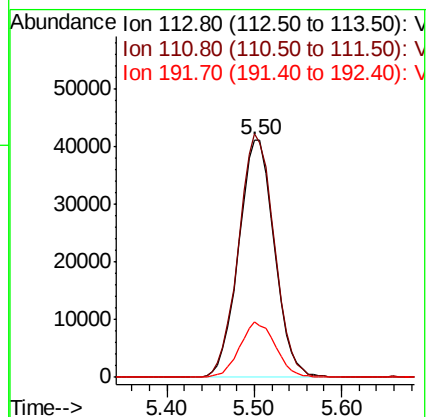
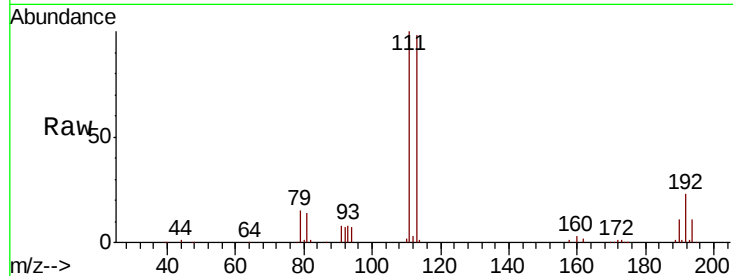
Tot Ion:113 Resp: 117494

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 23.2 19.4 29.2



#36

1,1-Dichloropropene

Concen: 3.46 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

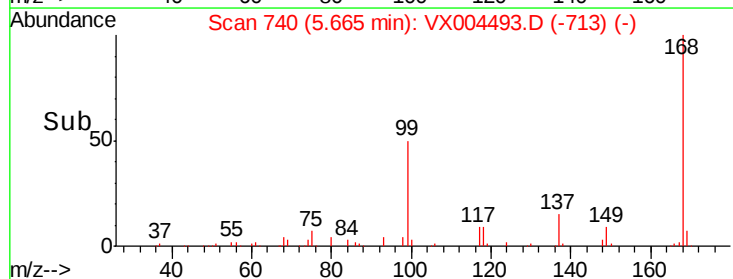
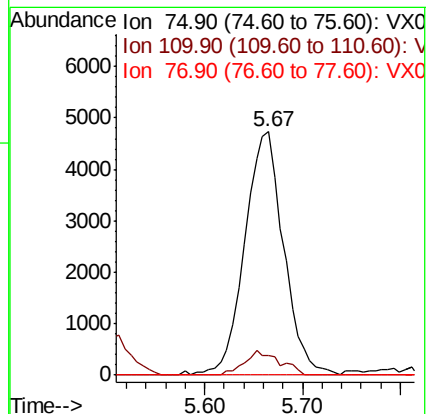
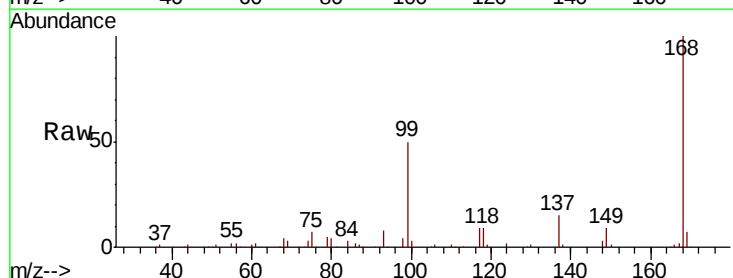
Tgt Ion: 75 Resp: 13024

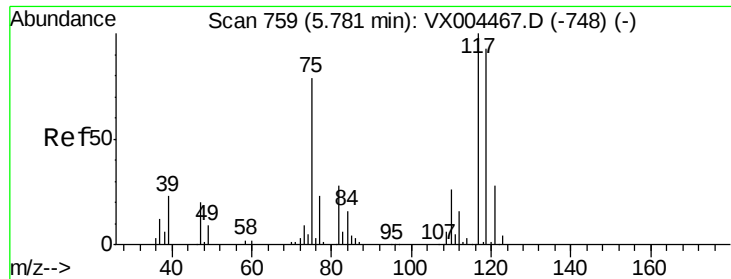
Ion Ratio Lower Upper

75 100

110 8.9 18.0 54.0#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.68 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(12-16)

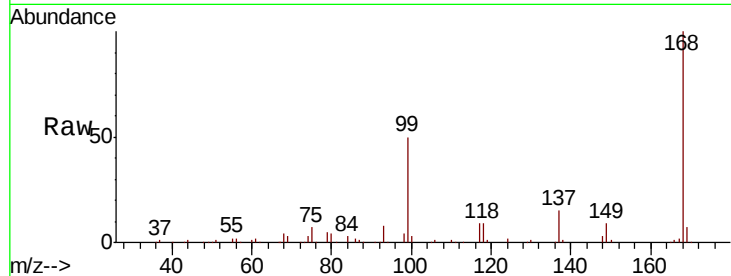
Tot Ion:117 Resp: 17212

Ion Ratio Lower Upper

117 100

119 6.0 78.8 118.2#

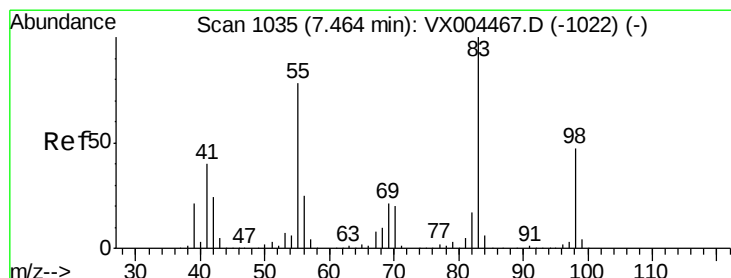
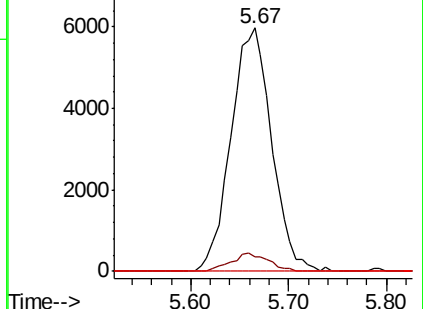
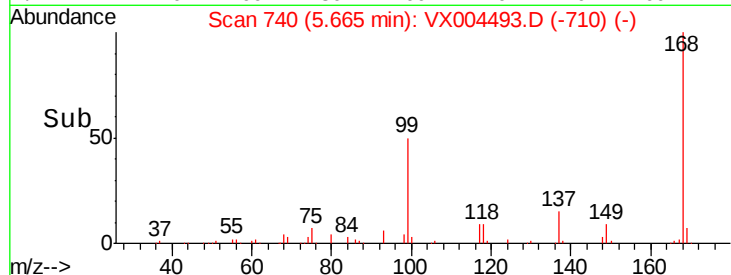
121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 0.83 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

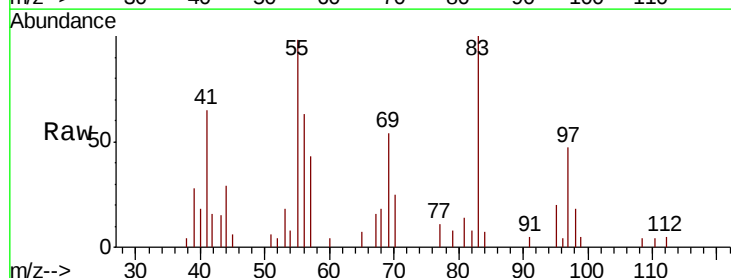
Tgt Ion: 83 Resp: 3274

Ion Ratio Lower Upper

83 100

55 98.4 61.0 91.4#

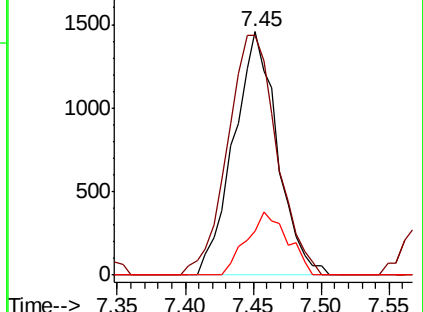
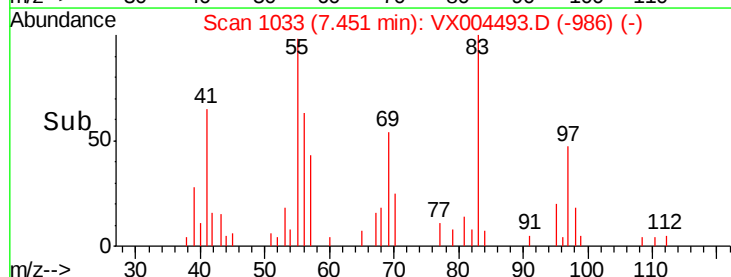
98 17.8 39.6 59.4#

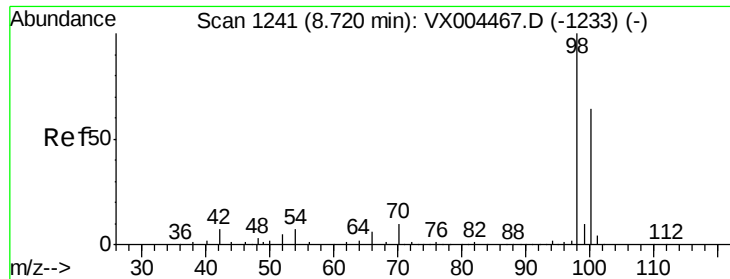


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 48.67 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

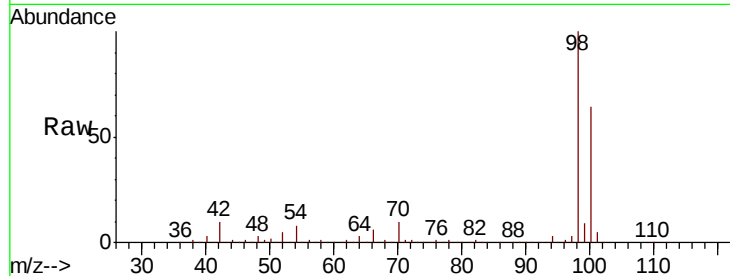
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(12-16)

Tot Ion: 98 Resp: 463078

Ion Ratio Lower Upper

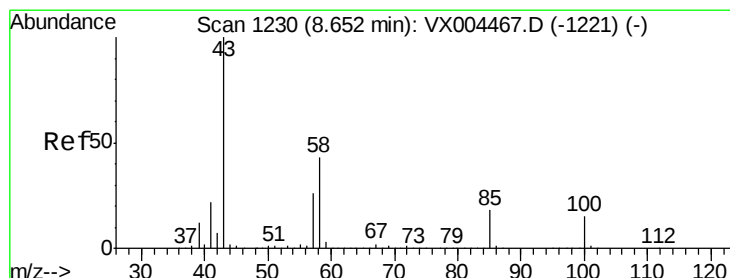
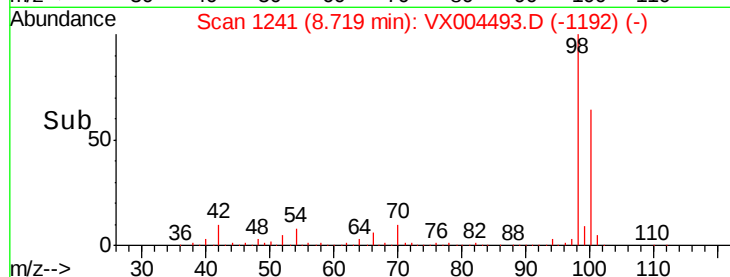
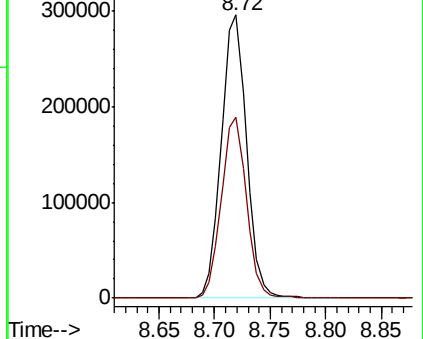
98 100

100 64.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.56 ug/l

RT: 8.67 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VX004493.D

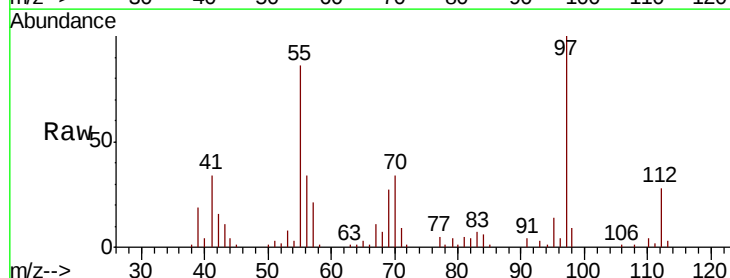
Acq: 12 Sep 2018 14:34

Tgt Ion: 43 Resp: 2254

Ion Ratio Lower Upper

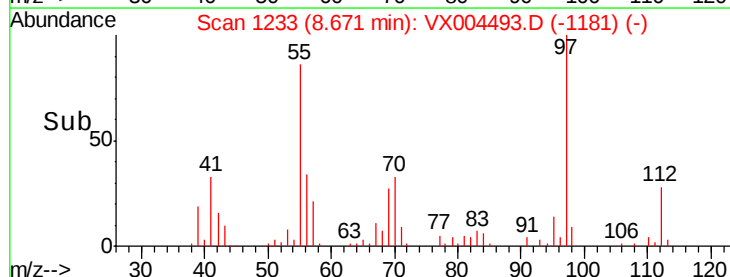
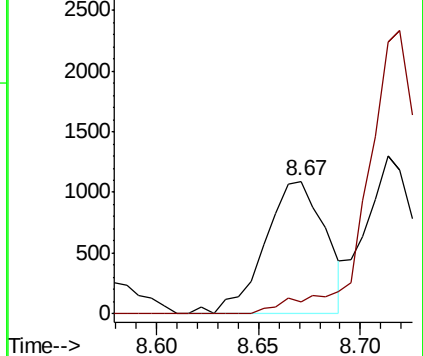
43 100

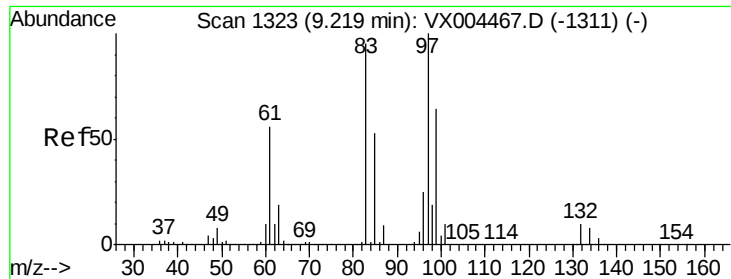
58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#55

1,1,2-Trichloroethane

Concen: 9.88 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(12-16)

Tot Ion: 97 Resp: 27984

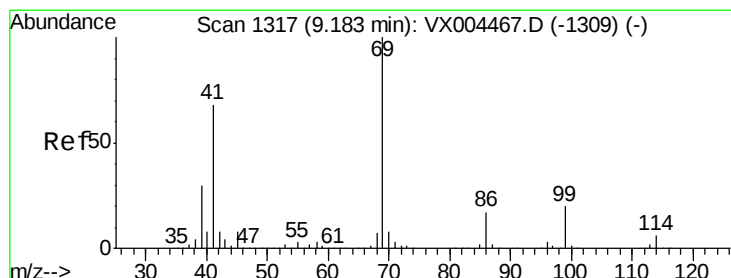
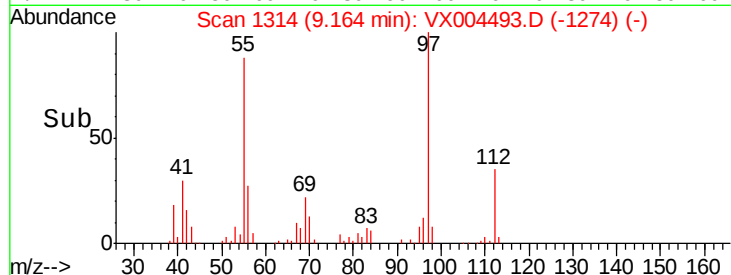
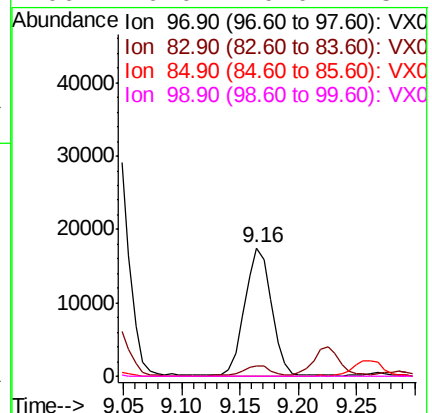
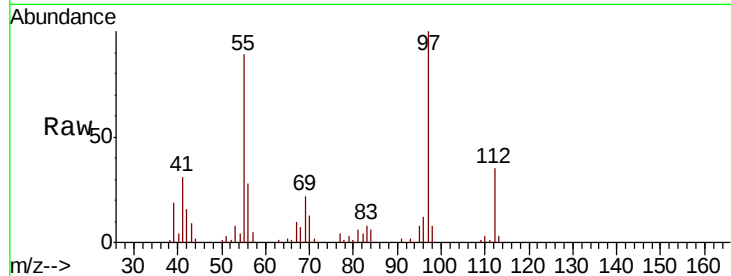
Ion Ratio Lower Upper

97 100

83 8.3 66.4 99.6#

85 0.0 43.3 64.9#

99 0.0 49.0 73.4#



#56

Ethyl methacrylate

Concen: 1.55 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

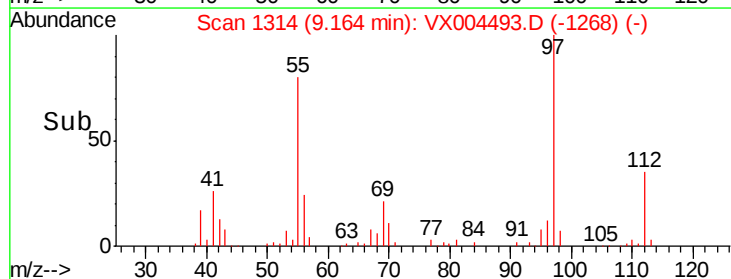
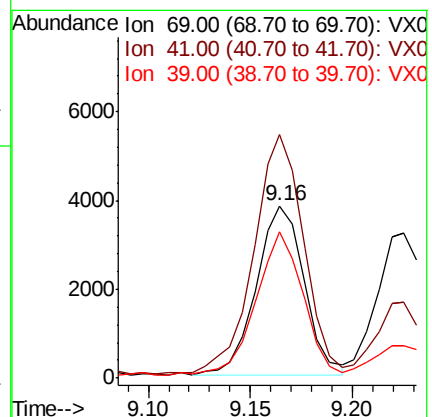
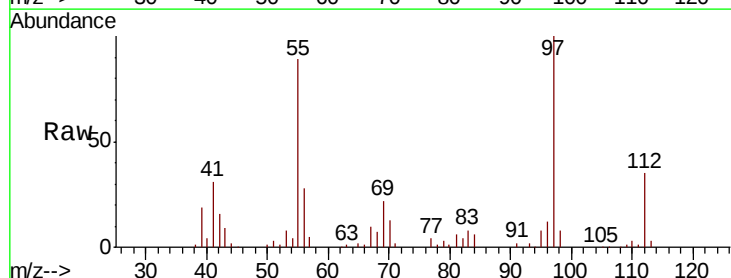
Tgt Ion: 69 Resp: 6206

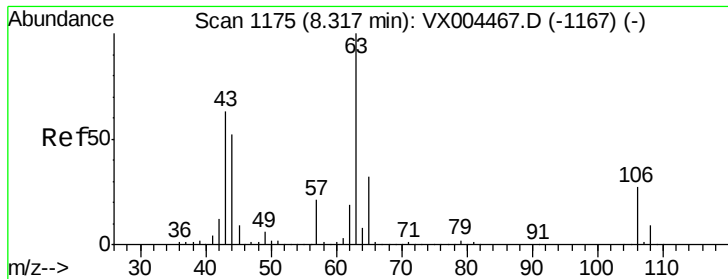
Ion Ratio Lower Upper

69 100

41 144.8 51.0 76.4#

39 82.2 26.1 39.1#





#58

2-Chloroethyl Vinyl ether

Concen: 7.29 ug/l

RT: 8.32 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

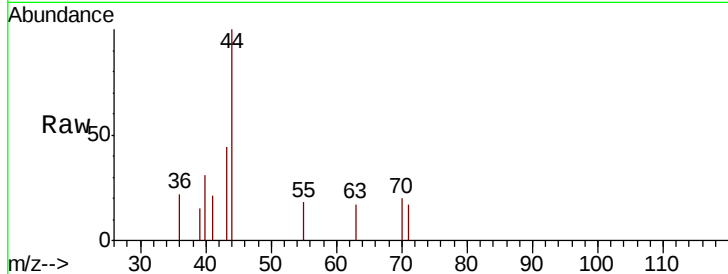
EP1-MW-A(12-16)

Tot Ion: 63 Resp: 47

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

60

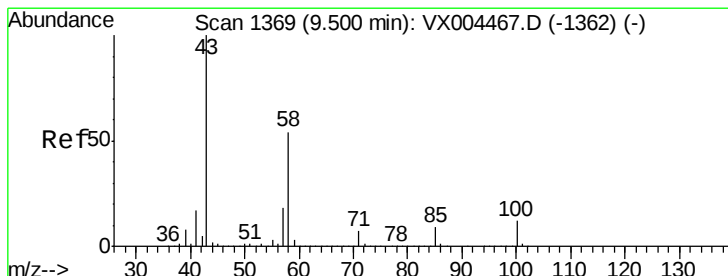
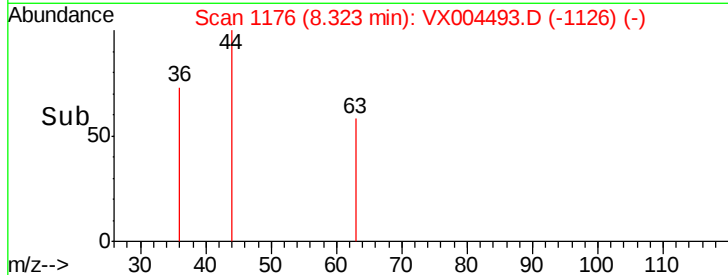
40

20

0

8.30 8.32 8.34

Time-->



#59

2-Hexanone

Concen: 41.95 ug/l

RT: 9.44 min Scan# 1360

Delta R.T. -0.05 min

Lab File: VX004493.D

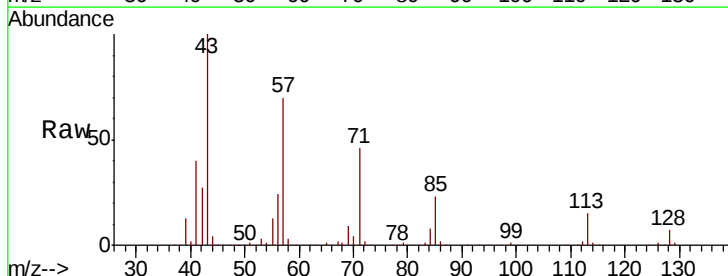
Acq: 12 Sep 2018 14:34

Tgt Ion: 43 Resp: 129113

Ion Ratio Lower Upper

43 100

58 3.3 29.0 87.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

100000

80000

60000

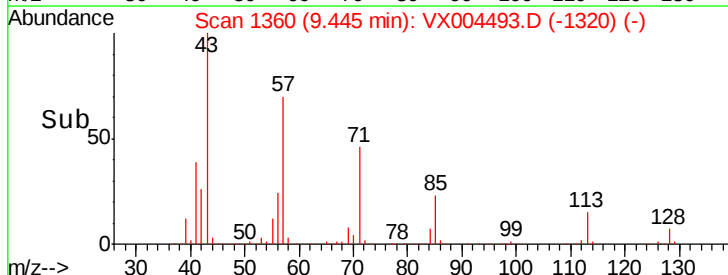
40000

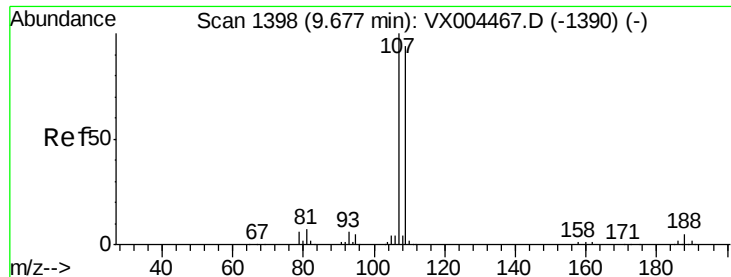
20000

0

9.35 9.40 9.45 9.50

Time-->

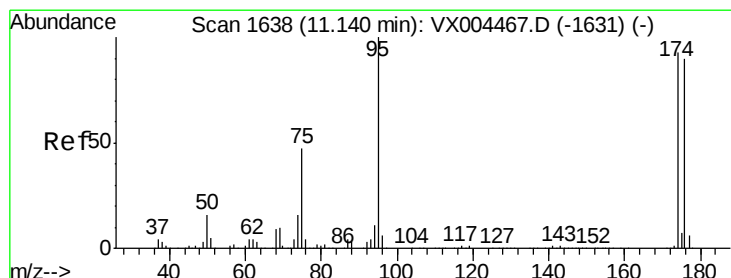
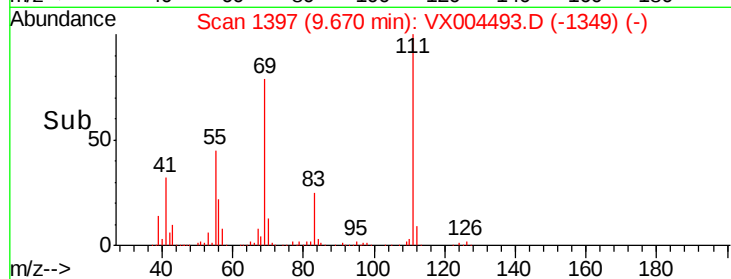
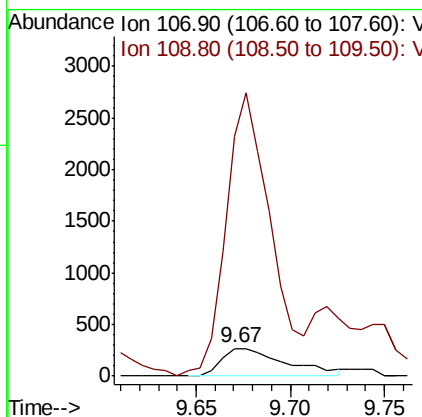
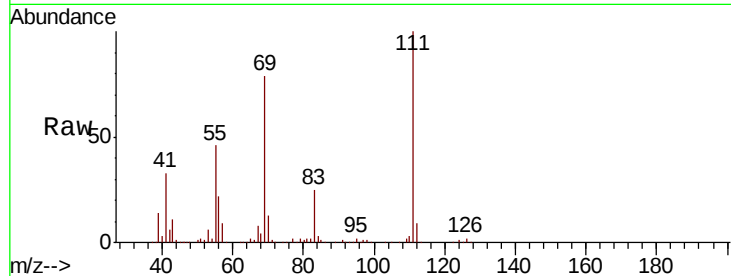




#61
 1,2-Dibromoethane
 Concen: 0.24 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX004493.D
 Acq: 12 Sep 2018 14:34

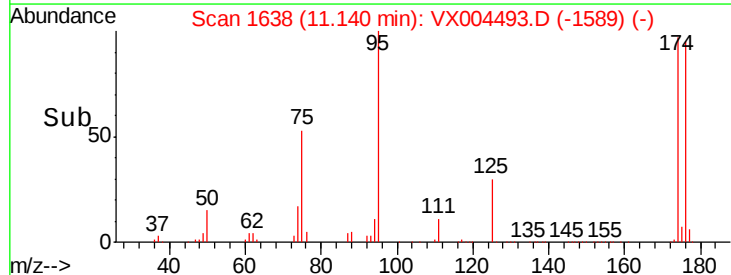
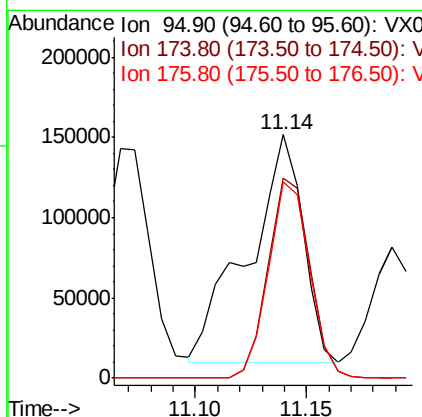
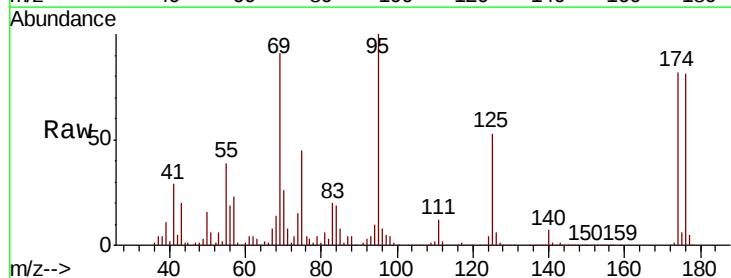
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(12-16)

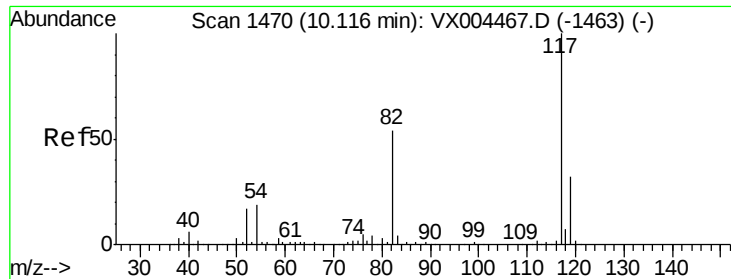
Tot Ion:107 Resp: 641
 Ion Ratio Lower Upper
 107 100
 109 700.8 76.0 114.0#



#62
 4-Bromofluorobenzene
 Concen: 71.97 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004493.D
 Acq: 12 Sep 2018 14:34

Tgt Ion: 95 Resp: 244435
 Ion Ratio Lower Upper
 95 100
 174 66.9 0.0 185.2
 176 64.8 0.0 178.6

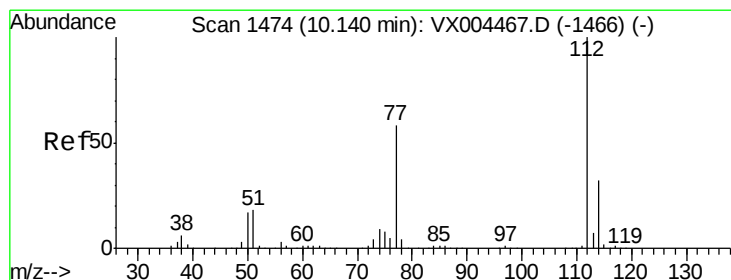
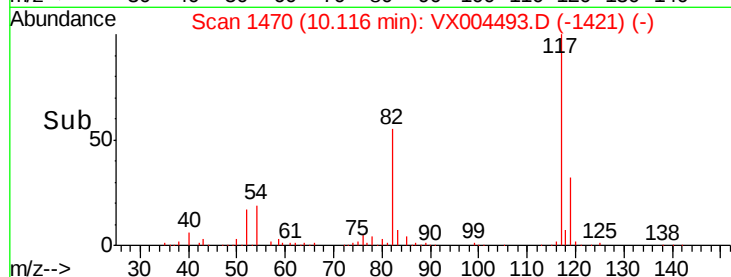
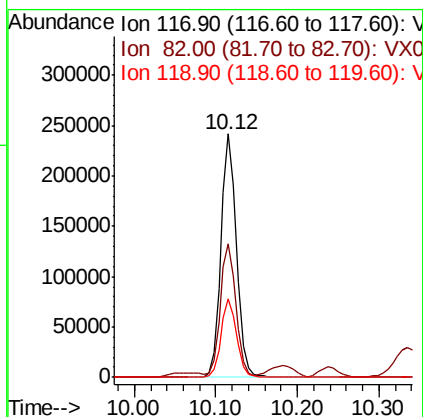
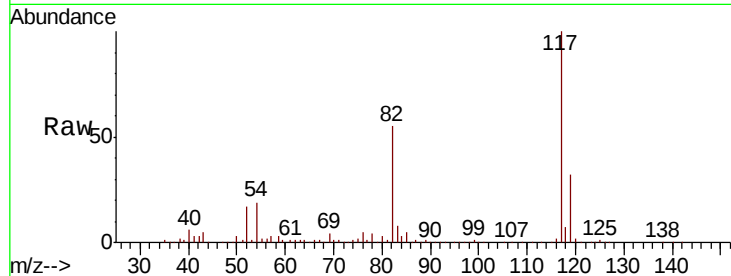




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004493.D
Acq: 12 Sep 2018 14:34

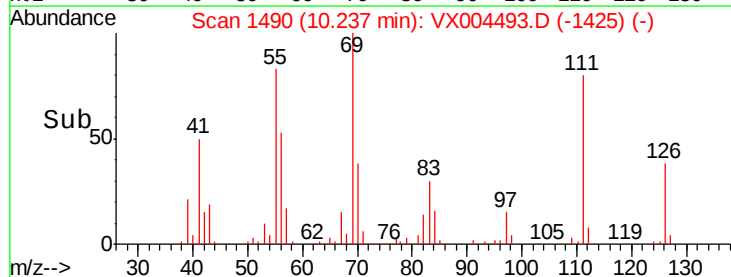
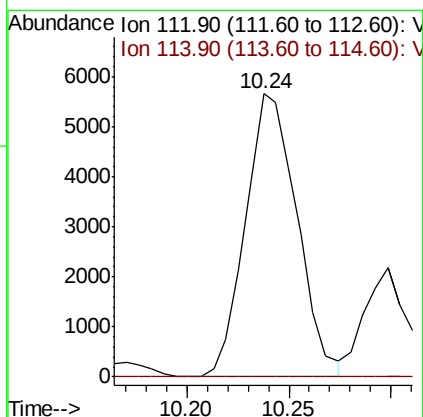
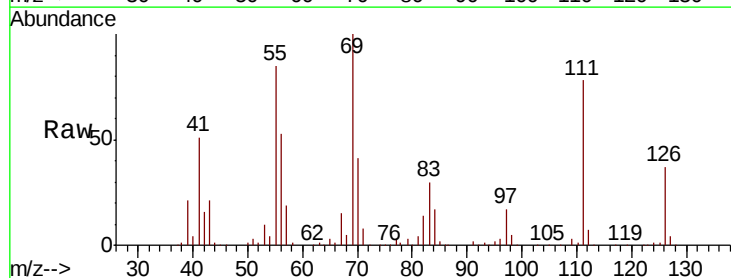
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(12-16)

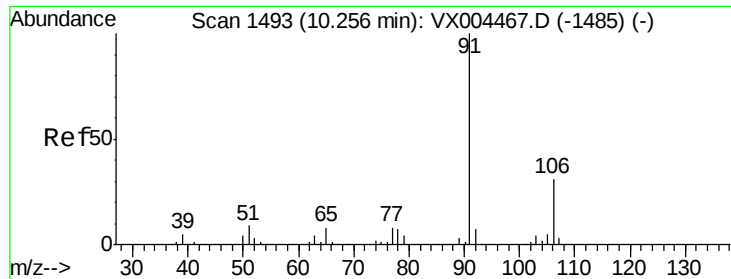
Tot Ion:117 Resp: 322243
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.2 29.3 43.9



#65
Chlorobenzene
Concen: 1.24 ug/l
RT: 10.24 min Scan# 1490
Delta R.T. 0.10 min
Lab File: VX004493.D
Acq: 12 Sep 2018 14:34

Tgt Ion:112 Resp: 9932
Ion Ratio Lower Upper
112 100
114 0.0 27.8 41.8#





#67

Ethyl Benzene

Concen: 0.21 ug/l

RT: 10.24 min Scan# 1490

Delta R.T. -0.02 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

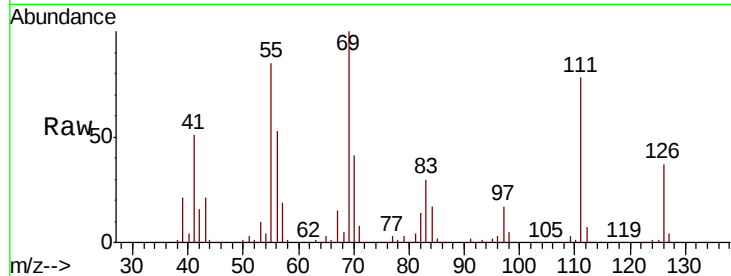
EP1-MW-A(12-16)

Tot Ion: 91 Resp: 2726

Ion Ratio Lower Upper

91 100

106 0.0 25.9 38.9#



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004467.D (-1485) (-)

10.24

1500

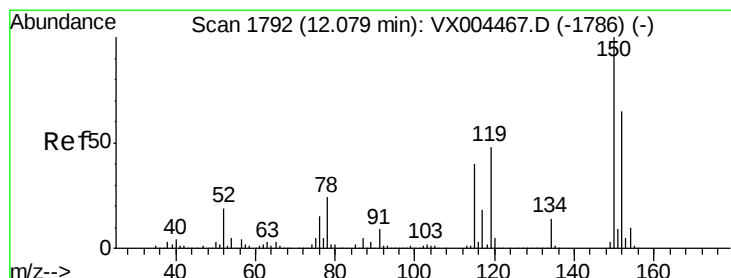
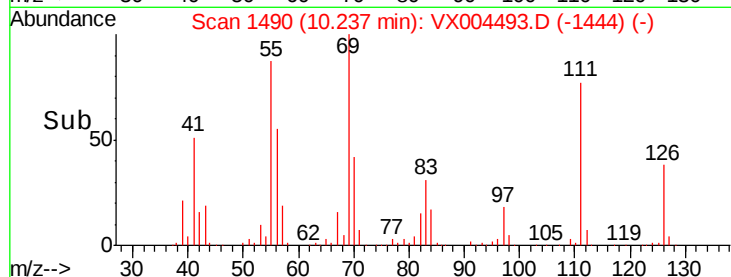
1000

500

0

10.20 10.25 10.30

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

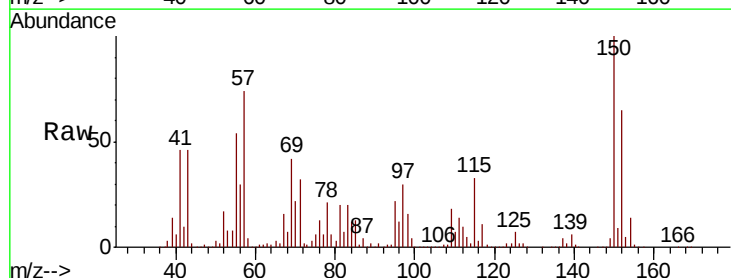
Tgt Ion: 152 Resp: 198844

Ion Ratio Lower Upper

152 100

115 52.1 39.0 117.0

150 148.7 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): VX004467.D (-1786) (-)

Ion 114.90 (114.60 to 115.60): VX004467.D (-1786) (-)

Ion 149.90 (149.60 to 150.60): VX004467.D (-1786) (-)

300000

250000

200000

150000

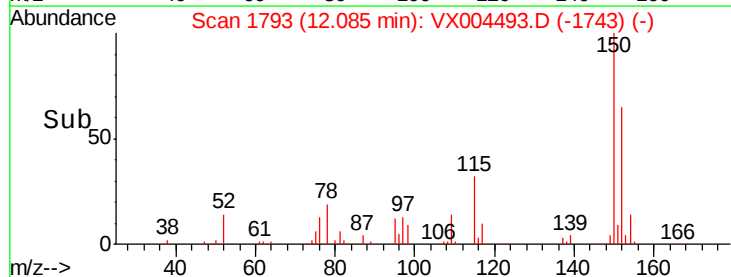
100000

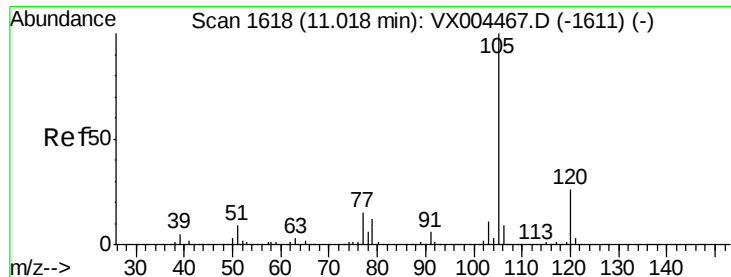
50000

0

12.05 12.10 12.15

Time-->





#73

Isopropylbenzene

Concen: 25.52 ug/l

RT: 11.02 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

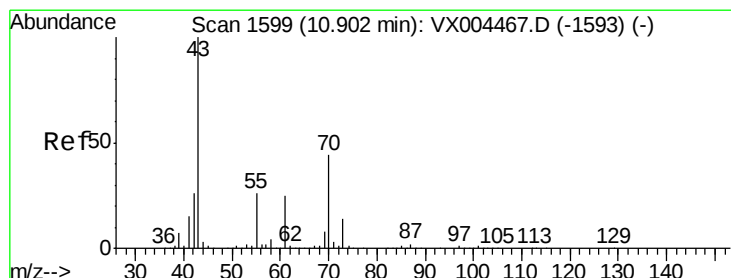
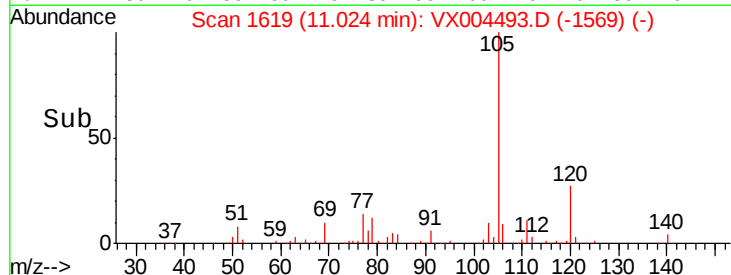
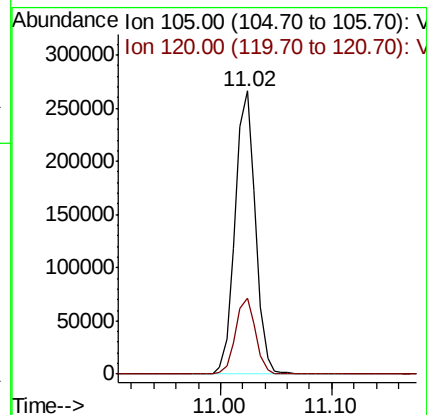
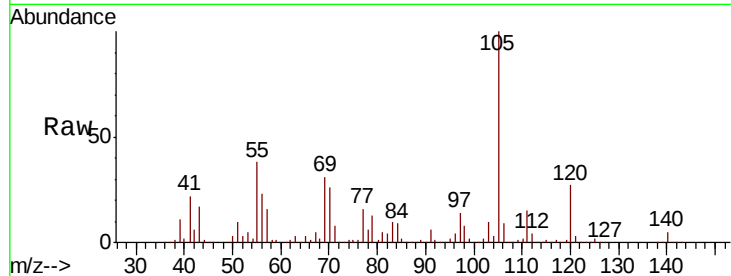
EP1-MW-A(12-16)

Tot Ion:105 Resp: 334152

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.4



#74

N-ethyl acetate

Concen: 118.04 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Tgt Ion: 43 Resp: 650627

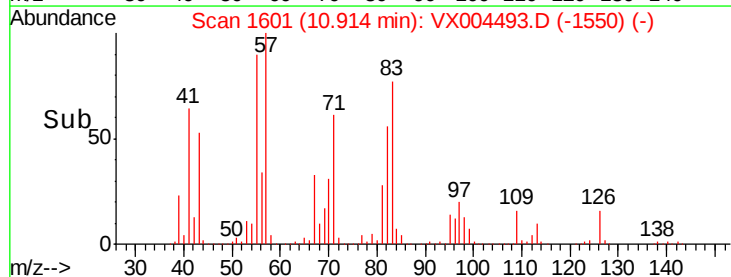
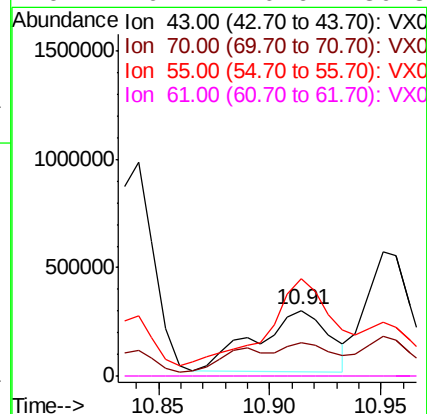
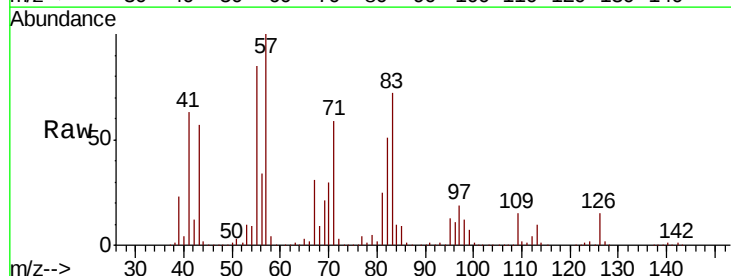
Ion Ratio Lower Upper

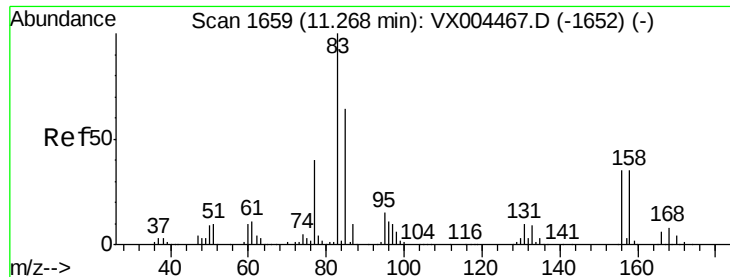
43 100

70 33.9 37.4 56.0#

55 125.7 21.8 32.8#

61 0.1 20.6 30.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 90.16 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(12-16)

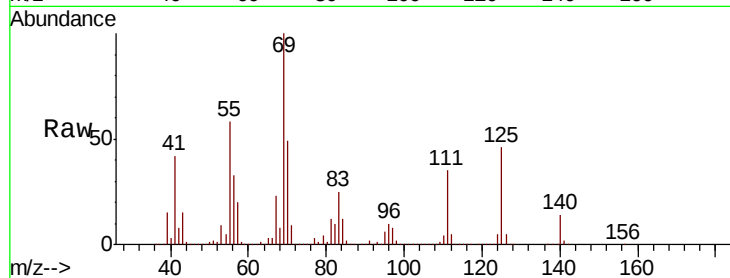
Tot Ion: 83 Resp: 380866

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

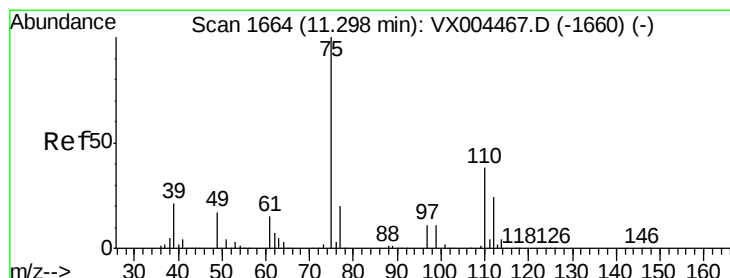
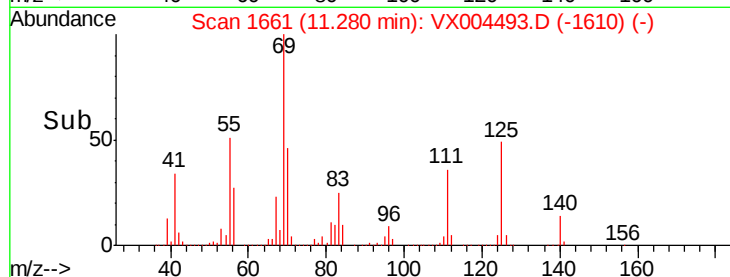
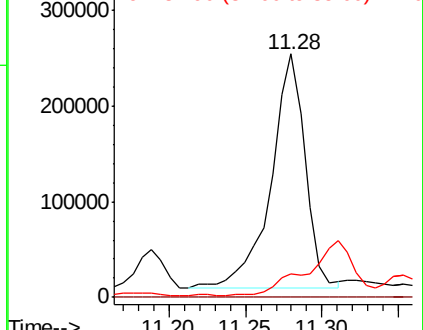
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.25 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.07 min

Lab File: VX004493.D

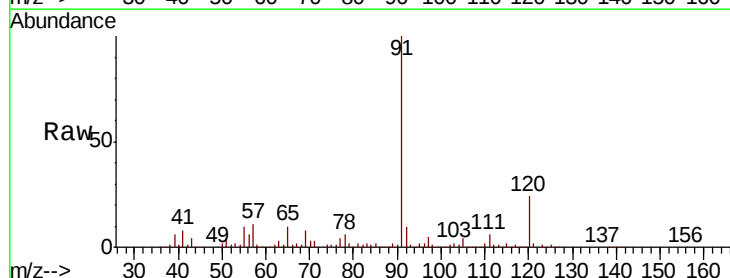
Acq: 12 Sep 2018 14:34

Tgt Ion: 75 Resp: 5014

Ion Ratio Lower Upper

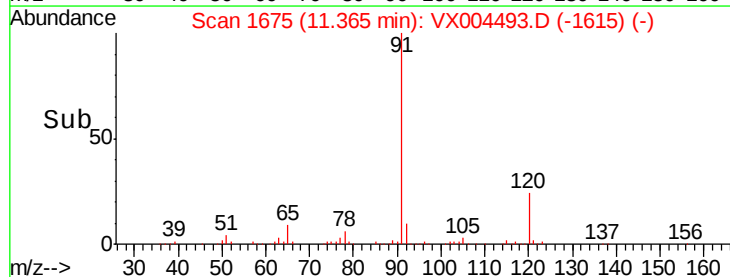
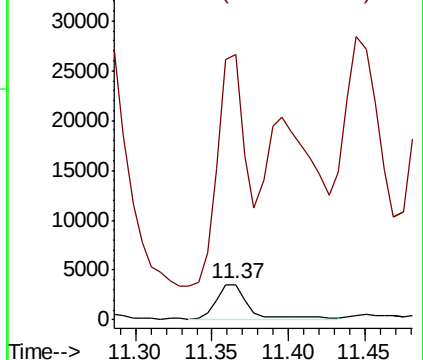
75 100

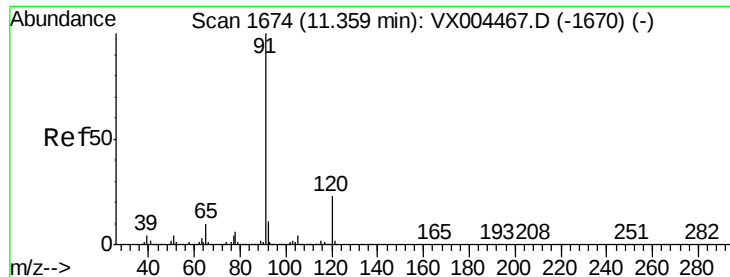
77 600.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 56.62 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

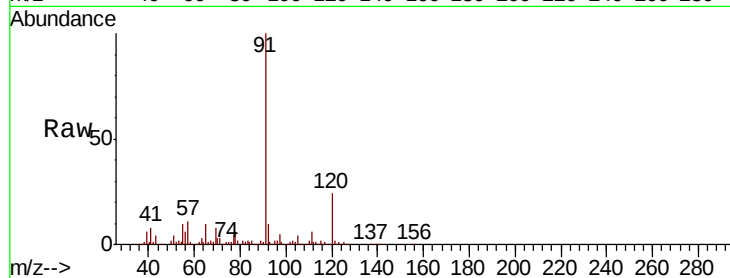
EP1-MW-A(12-16)

Tot Ion: 91 Resp: 852568

Ion Ratio Lower Upper

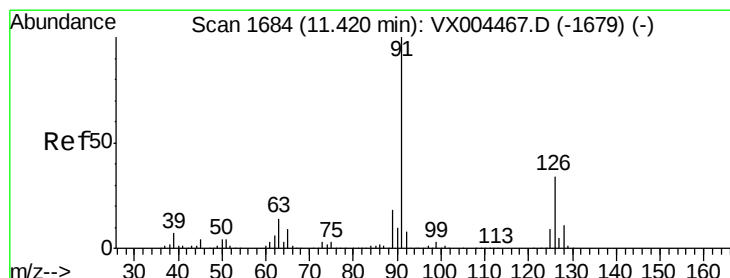
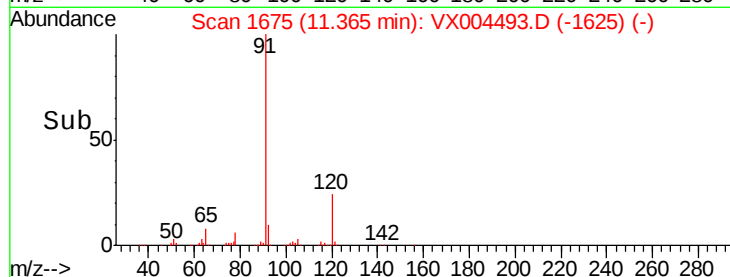
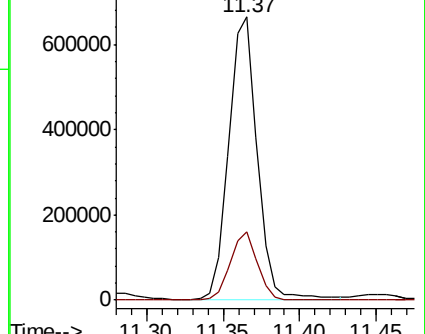
91 100

120 22.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 93.36 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. -0.05 min

Lab File: VX004493.D

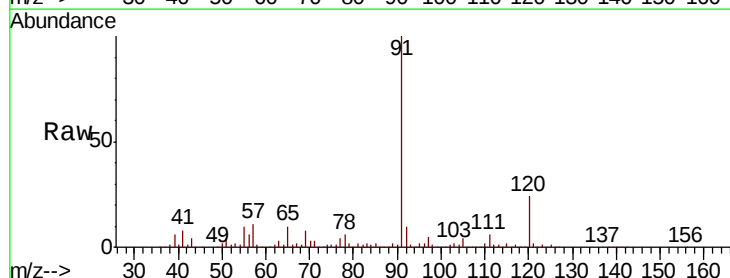
Acq: 12 Sep 2018 14:34

Tgt Ion: 91 Resp: 852568

Ion Ratio Lower Upper

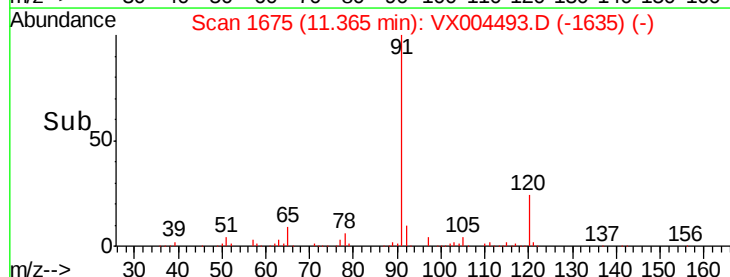
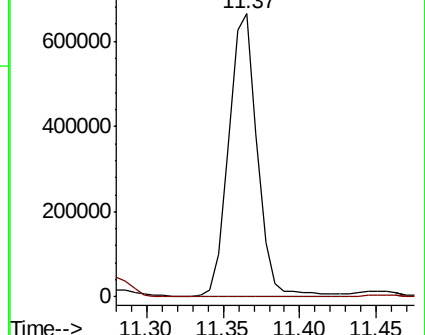
91 100

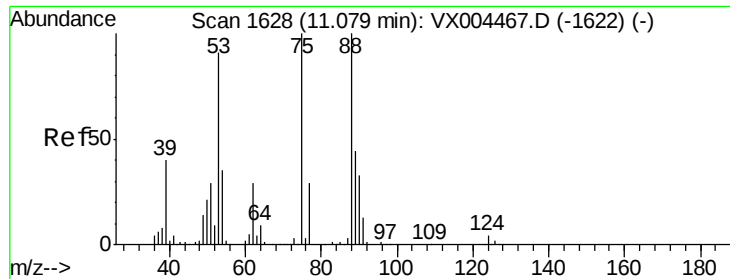
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 66.84 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(12-16)

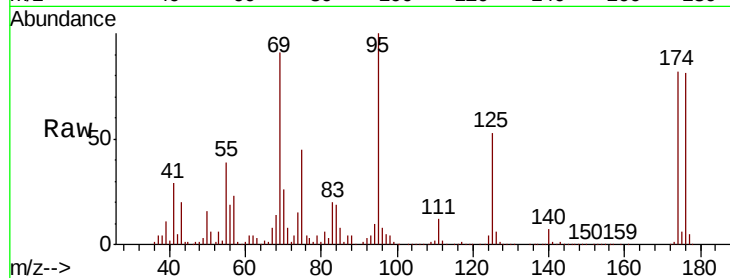
Tot Ion: 75 Resp: 83891

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

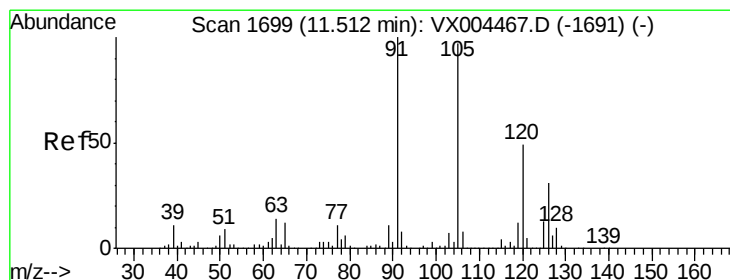
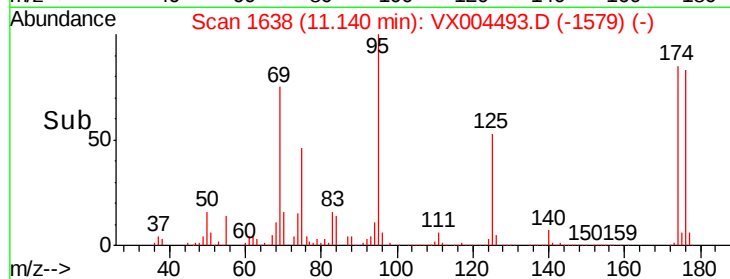
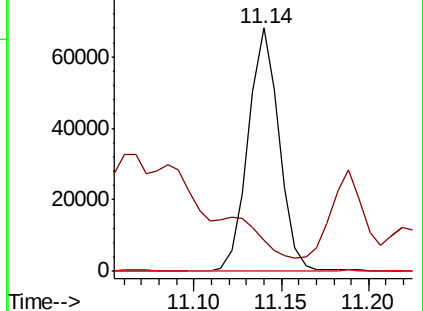
89 0.0 37.2 55.8#



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



#82

4-Chlorotoluene

Concen: 6.17 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.26 min

Lab File: VX004493.D

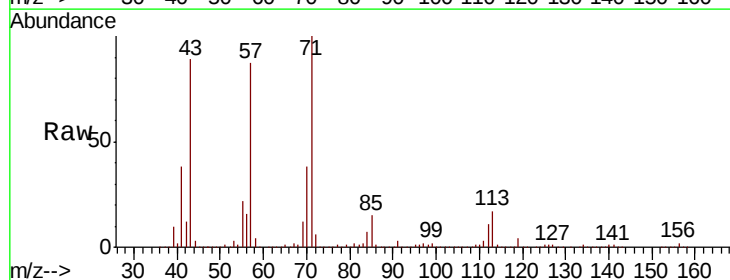
Acq: 12 Sep 2018 14:34

Tgt Ion: 91 Resp: 65798

Ion Ratio Lower Upper

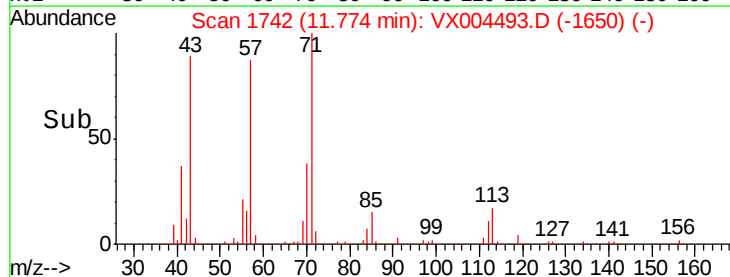
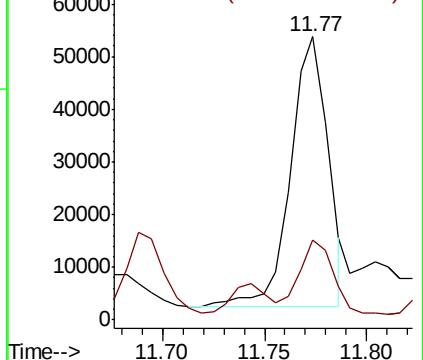
91 100

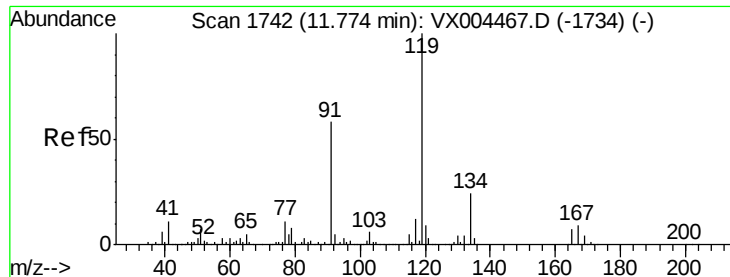
126 18.0 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

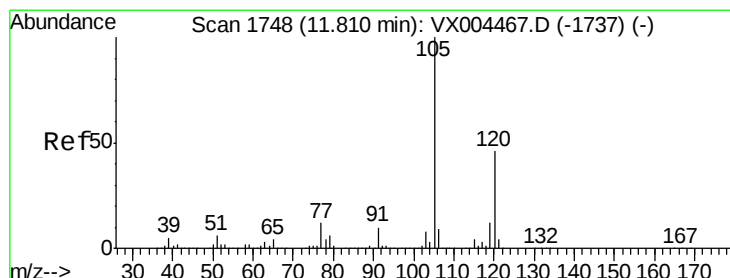
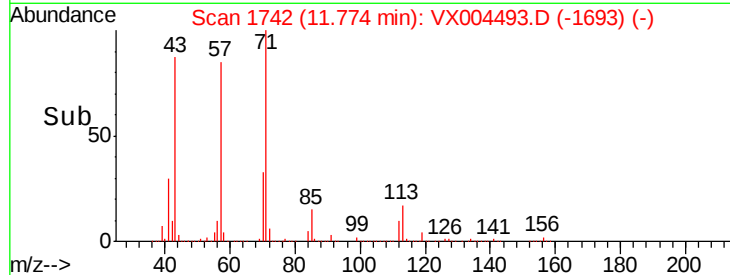
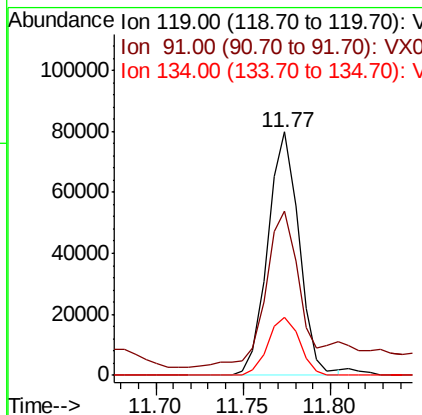
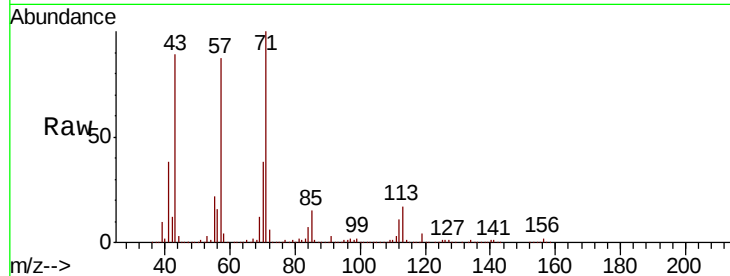




#83
 tert-Butylbenzene
 Concen: 9.44 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004493.D
 Acq: 12 Sep 2018 14:34

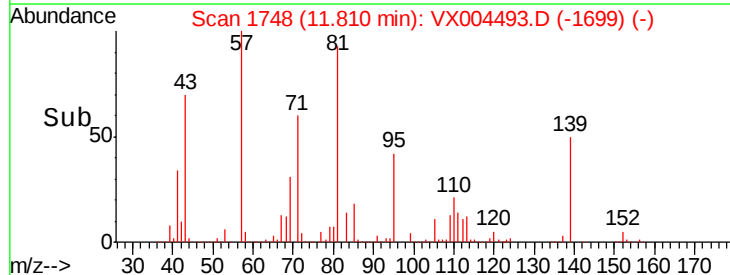
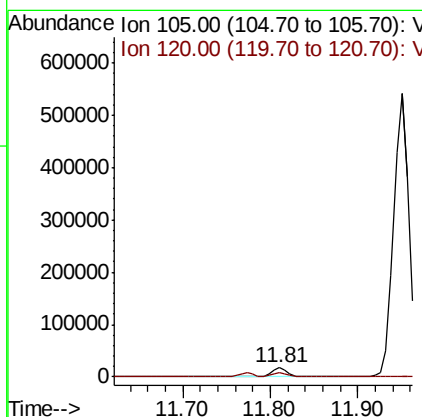
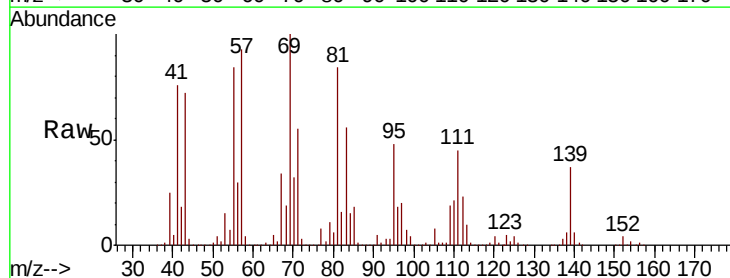
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(12-16)

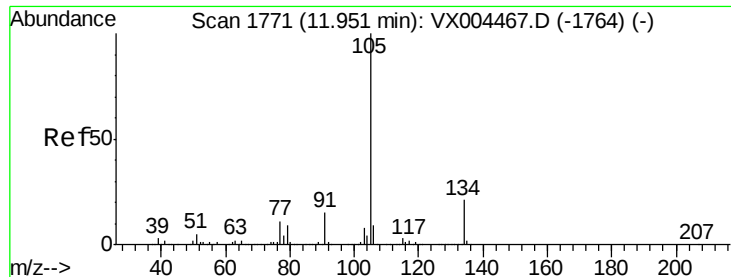
Tot Ion:119 Resp: 98968
 Ion Ratio Lower Upper
 119 100
 91 71.5 27.0 81.0
 134 24.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 2.07 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004493.D
 Acq: 12 Sep 2018 14:34

Tgt Ion:105 Resp: 23287
 Ion Ratio Lower Upper
 105 100
 120 38.5 23.2 69.6

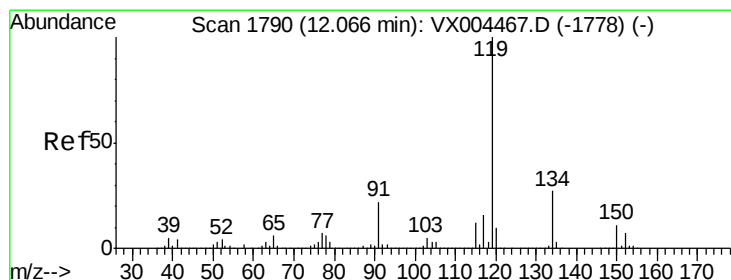
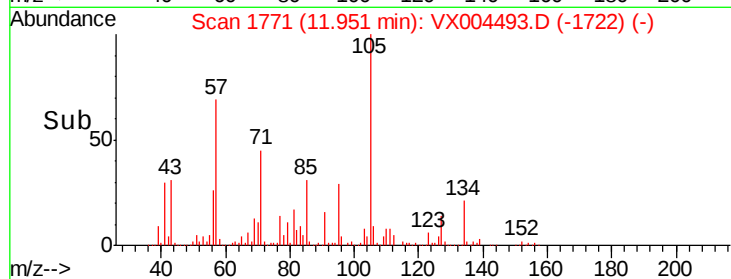
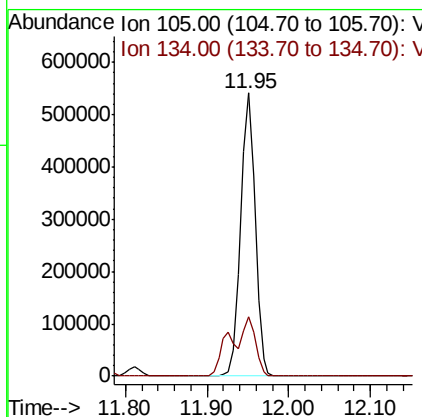
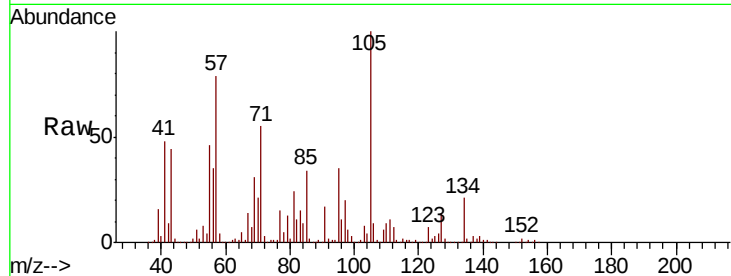




#85
 sec-Butylbenzene
 Concen: 49.31 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: VX004493.D
 Acq: 12 Sep 2018 14:34

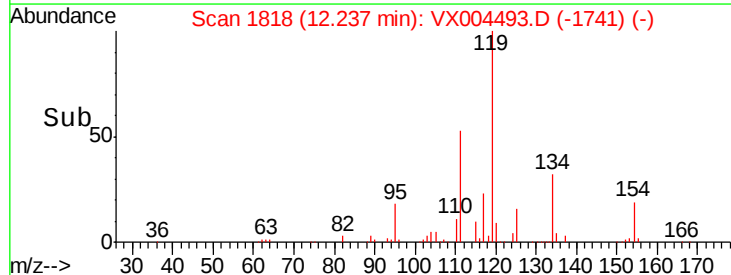
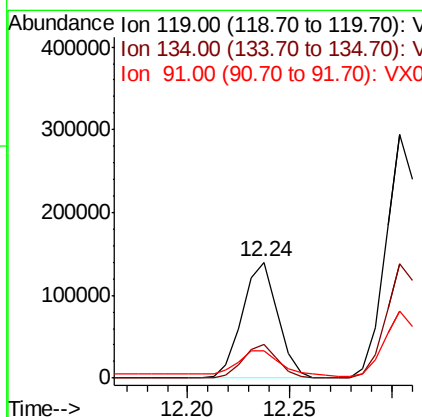
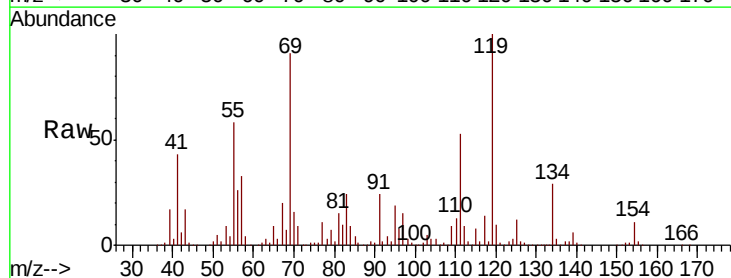
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(12-16)

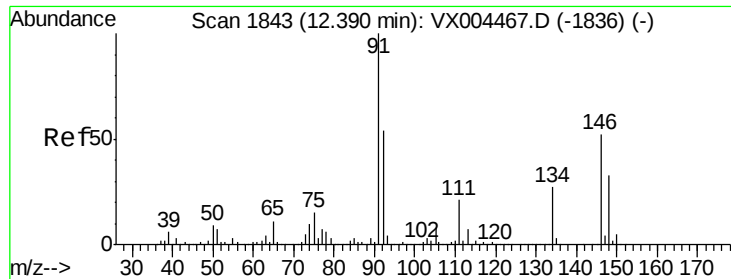
Tot Ion:105 Resp: 658546
 Ion Ratio Lower Upper
 105 100
 134 18.1 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 14.39 ug/l
 RT: 12.24 min Scan# 1818
 Delta R.T. 0.17 min
 Lab File: VX004493.D
 Acq: 12 Sep 2018 14:34

Tgt Ion:119 Resp: 169669
 Ion Ratio Lower Upper
 119 100
 134 28.4 13.4 40.2
 91 27.6 10.9 32.7





#89

n-Butylbenzene

Concen: 34.45 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampled :

EP1-MW-A(12-16)

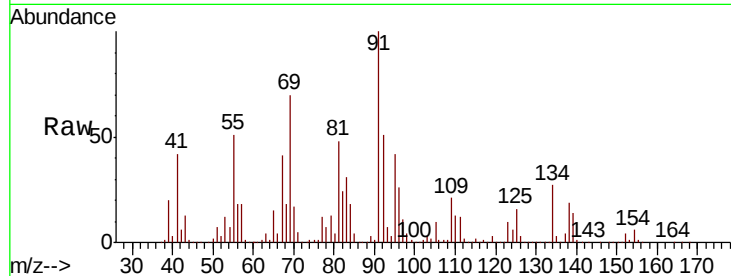
Tot Ion: 91 Resp: 370230

Ion Ratio Lower Upper

91 100

92 45.3 27.3 81.9

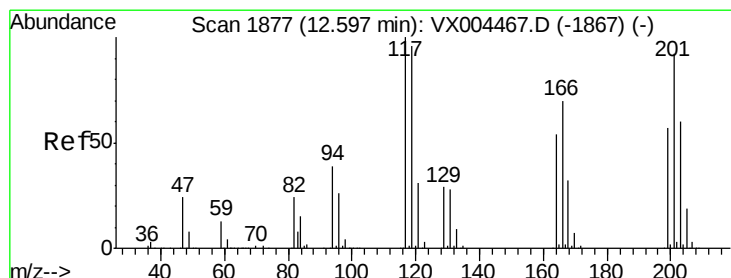
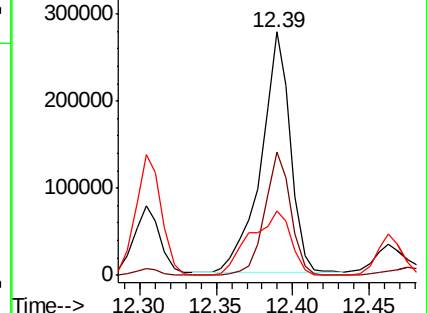
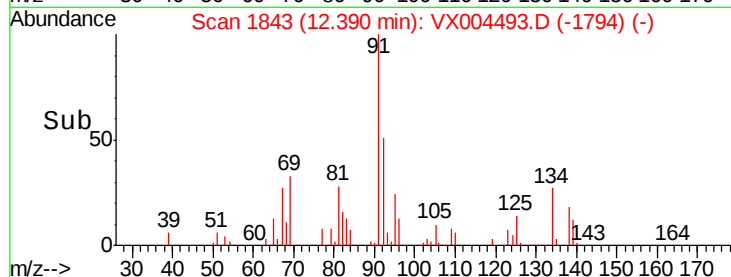
134 36.9 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 47.41 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX004493.D

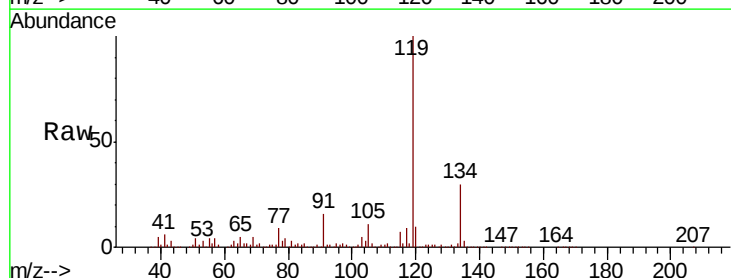
Acq: 12 Sep 2018 14:34

Tgt Ion: 117 Resp: 89517

Ion Ratio Lower Upper

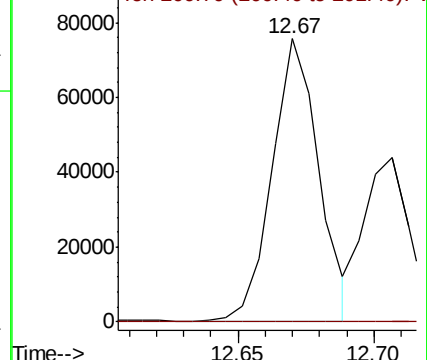
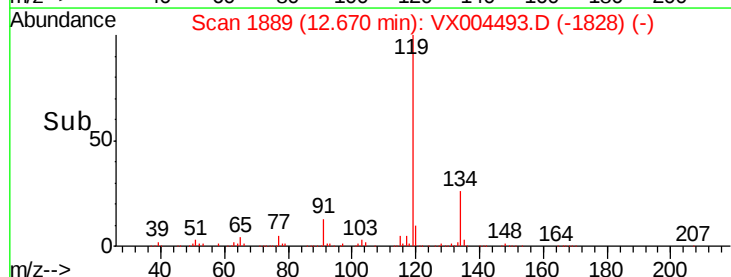
117 100

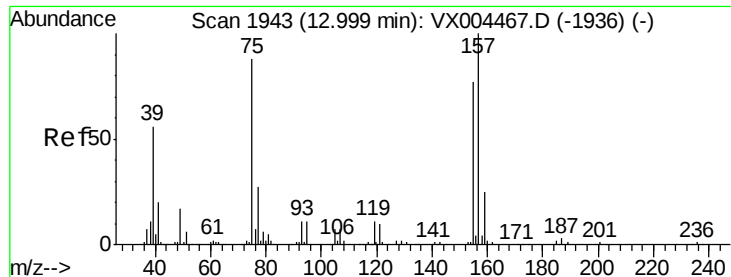
201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.76 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(12-16)

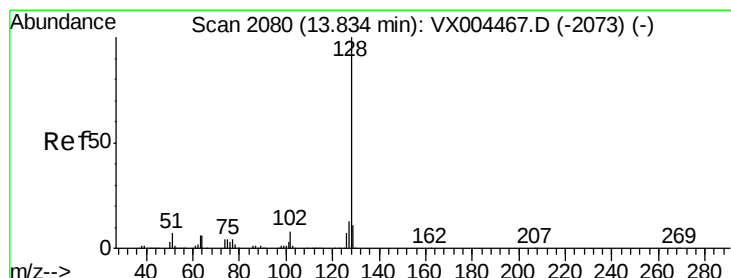
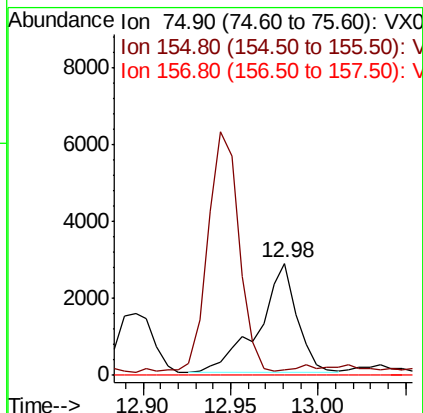
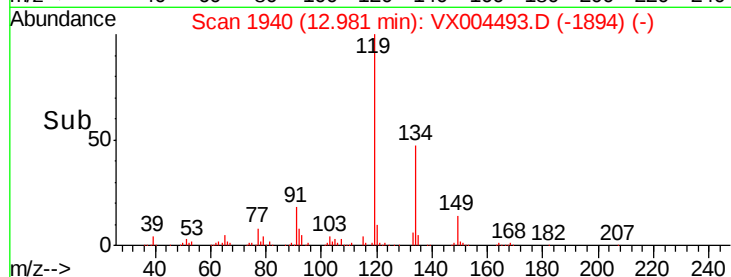
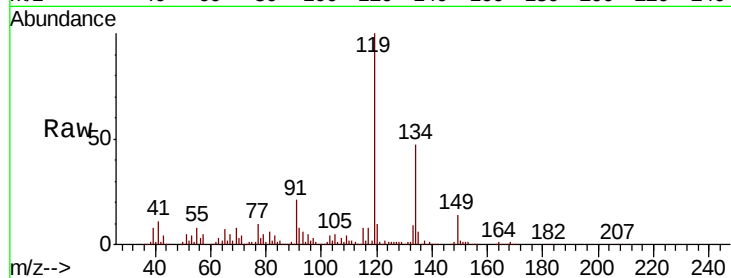
Tot Ion: 75 Resp: 4291

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

157 0.0 61.4 184.1#



#95

Naphthalene

Concen: 0.51 ug/l

RT: 13.81 min Scan# 2076

Delta R.T. -0.02 min

Lab File: VX004493.D

Acq: 12 Sep 2018 14:34

Tgt Ion: 128 Resp: 6884

Ion Ratio Lower Upper

128 100

127 28.6 10.2 15.2#

129 73.4 8.6 12.8#

