

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004492.D
 Acq On : 12 Sep 2018 14:07
 Operator : JC/MD
 Sample : J4848-01 10X
 Misc : 5.67µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(6-8)

Quant Time: Sep 13 01:01:21 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	195866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199535	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	138135	54.70	ug/l	0.00
Spiked Amount			Recovery	=	109.40%	
35) Dibromofluoromethane	5.50	113	118919	41.79	ug/l	0.00
Spiked Amount			Recovery	=	83.58%	
50) Toluene-d8	8.72	98	483061	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.14	95	248416	72.93	ug/l	0.00
Spiked Amount			Recovery	=	145.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	959	0.38	ug/l #	88
5) Bromomethane	1.64	94	1679	0.37	ug/l	92
10) Methyl Iodide	2.51	142	1603	4.82	ug/l	99
11) Tert butyl alcohol	3.09	59	399	0.66	ug/l #	94
13) Acrolein	2.29	56	291	1.22	ug/l #	33
15) Acrylonitrile	3.15	53	625	0.43	ug/l #	71
16) Acetone	2.45	43	1274	1.03	ug/l #	85
17) Carbon Disulfide	2.56	76	2066	0.35	ug/l	96
18) Methyl Acetate	2.78	43	975	0.28	ug/l	97
20) Methylene Chloride	2.85	84	847	0.33	ug/l #	93
25) 2-Butanone	4.72	43	801	0.41	ug/l #	47
26) 2,2-Dichloropropane	4.79	77	724	0.25	ug/l #	52
29) Tetrahydrofuran	5.17	42	504	0.43	ug/l #	57
31) Cyclohexane	5.57	56	1809	0.50	ug/l #	78
38) Carbon Tetrachloride	5.66	117	17437	4.73	ug/l #	17
39) Methylcyclohexane	7.46	83	19685	5.00	ug/l	91
48) Methyl methacrylate	7.73	41	1196	0.42	ug/l #	82
51) 4-Methyl-2-Pentanone	8.66	43	8674	2.16	ug/l #	42
55) 1,1,2-Trichloroethane	9.16	97	51482	18.12	ug/l #	20
56) Ethyl methacrylate	9.16	69	11557	2.88	ug/l #	2
58) 2-Chloroethyl Vinyl ether	8.32	63	133	7.33	ug/l #	45
59) 2-Hexanone	9.44	43	375149	121.53	ug/l #	26
60) Dibromochloromethane	9.55	129	686	0.26	ug/l #	1
61) 1,2-Dibromoethane	9.68	107	651	0.24	ug/l #	1
65) Chlorobenzene	10.07	112	3708	0.47	ug/l #	52
67) Ethyl Benzene	10.26	91	19699	1.52	ug/l	94
68) m/p-Xylenes	10.37	106	56578	11.34	ug/l	82
73) Isopropylbenzene	11.02	105	727093	55.33	ug/l	99
74) N-amyl acetate	10.91	43	781575	141.30	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	530817	125.23	ug/l #	25
76) 1,2,3-Trichloropropane	11.37	75	12274	3.06	ug/l #	1
78) n-propylbenzene	11.37	91	2114968	139.97	ug/l	99
79) 2-Chlorotoluene	11.37	91	2114968	230.79	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.46	105	503463	45.57	ug/l	70

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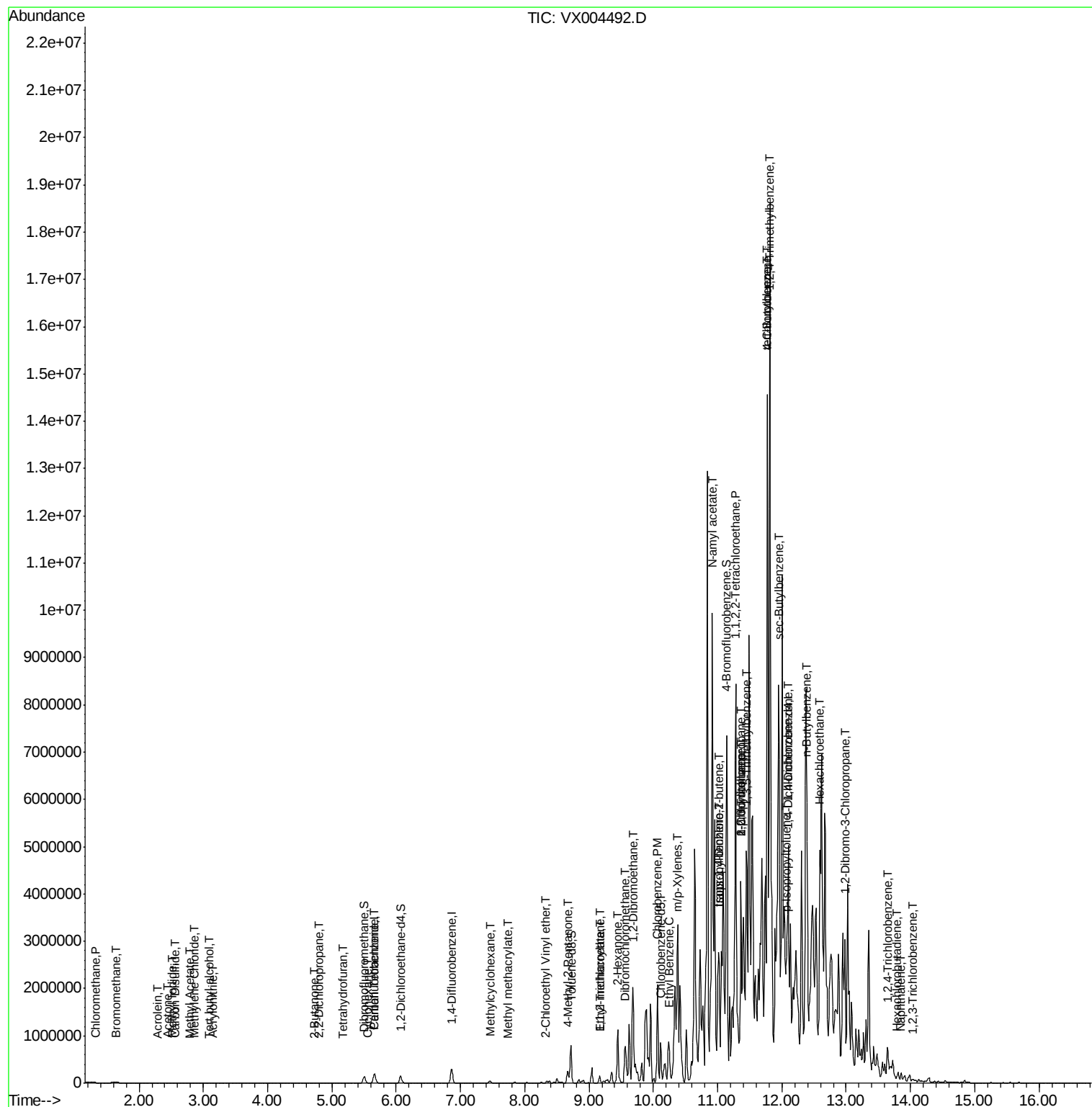
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.02	75	7938	6.30	ug/l #	1
82) 4-Chlorotoluene	11.77	91	103379	9.67	ug/l	72
83) tert-Butylbenzene	11.77	119	160833	15.29	ug/l	90
84) 1,2,4-Trimethylbenzene	11.82	105	6670736	591.42	ug/l	97
85) sec-Butylbenzene	11.95	105	1245649	92.94	ug/l	95
86) p-Isopropyltoluene	12.07	119	386300	32.64	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1858	0.27	ug/l #	1
89) n-Butylbenzene	12.39	91	1389655	128.85	ug/l	93
90) Hexachloroethane	12.59	117	141966	74.93	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.98	75	8432	9.32	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1766	0.36	ug/l #	1
94) Hexachlorobutadiene	13.79	225	904	0.36	ug/l	95
95) Naphthalene	13.84	128	5735	0.42	ug/l #	54
96) 1,2,3-Trichlorobenzene	14.02	180	1228	0.25	ug/l #	1

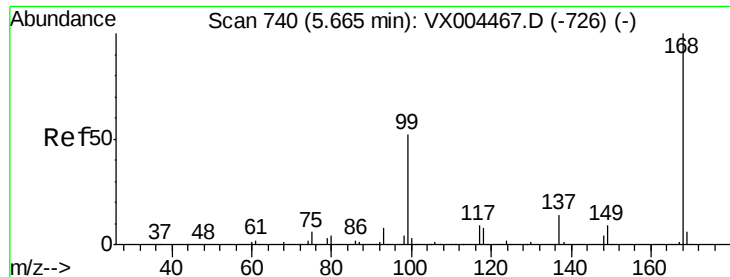
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 740

Delta R.T. -0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

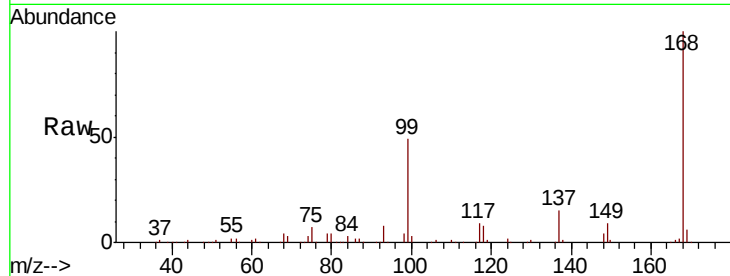
EP1-MW-A(6-8)

Tot Ion:168 Resp: 195866

Ion Ratio Lower Upper

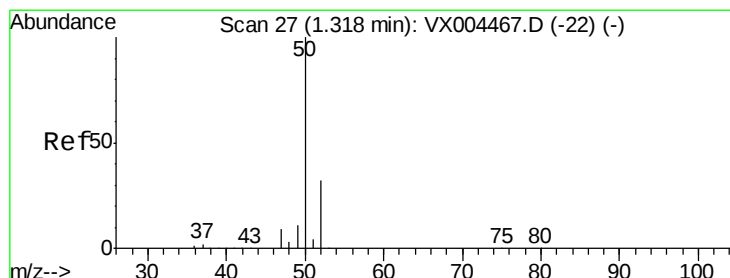
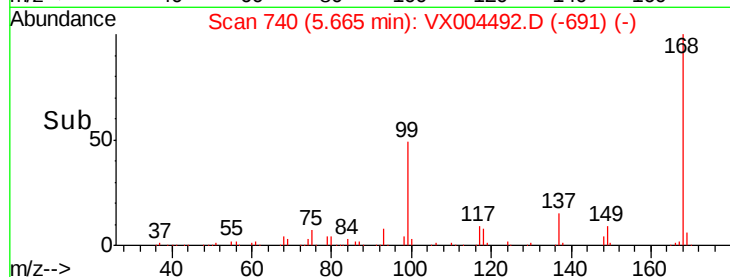
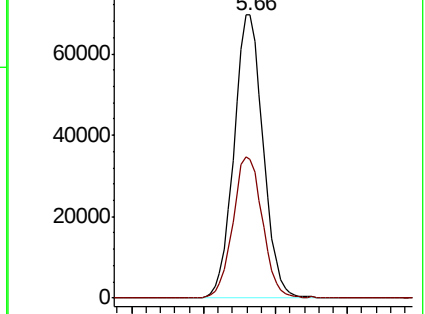
168 100

99 49.2 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: 0.38 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX004492.D

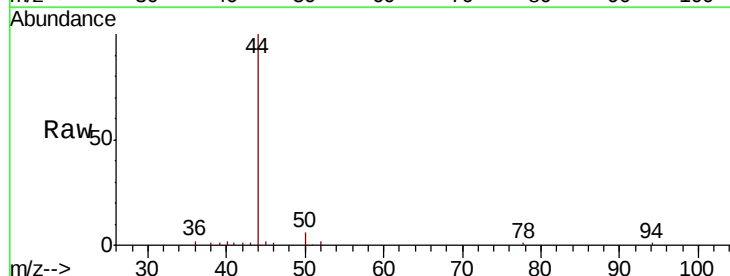
Acq: 12 Sep 2018 14:07

Tgt Ion: 50 Resp: 959

Ion Ratio Lower Upper

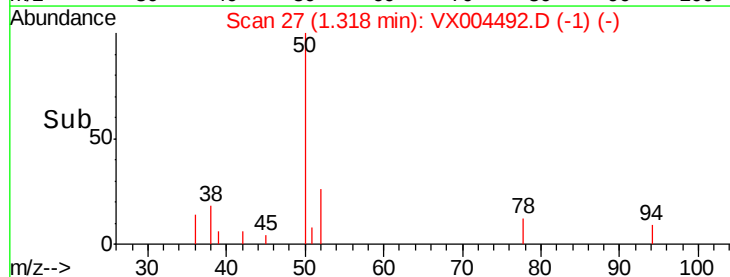
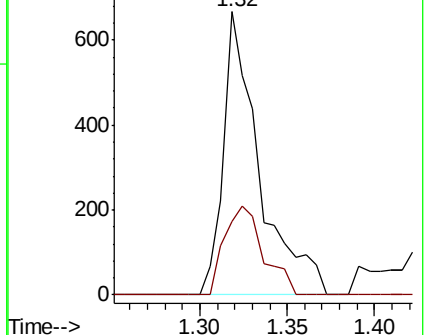
50 100

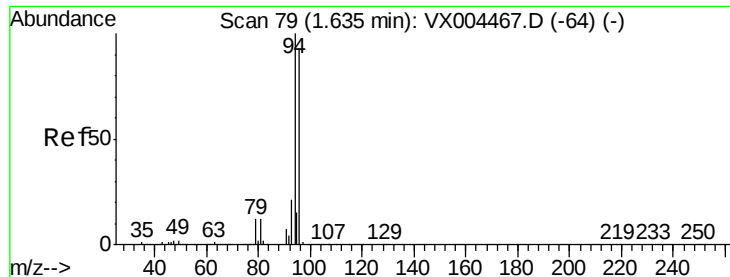
52 26.1 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.37 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

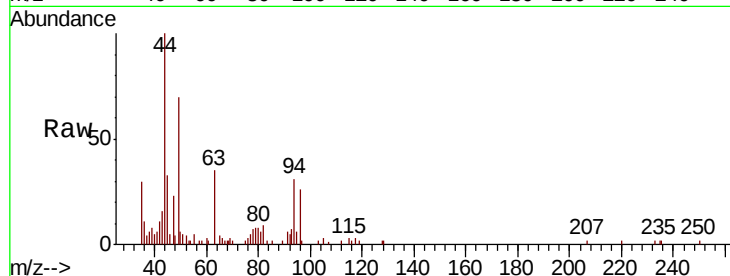
EP1-MW-A(6-8)

Tot Ion: 94 Resp: 1679

Ion Ratio Lower Upper

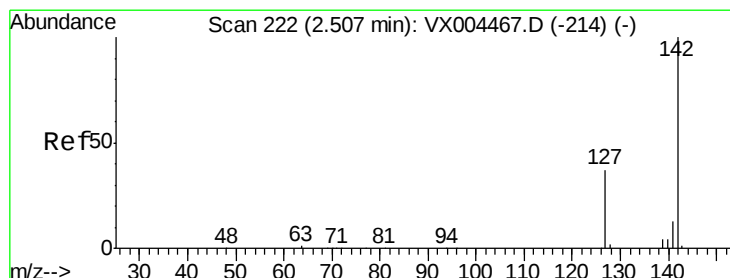
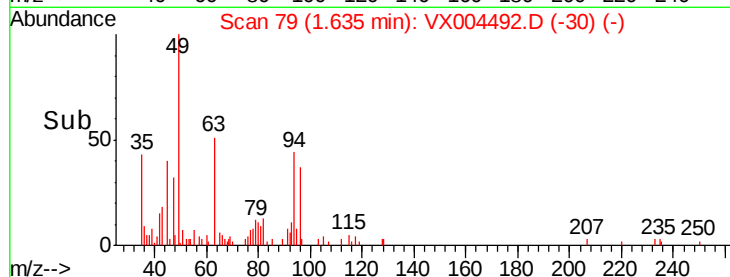
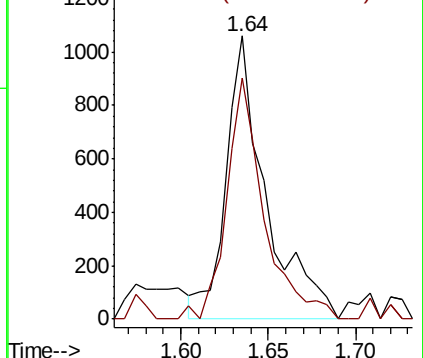
94 100

96 85.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.82 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

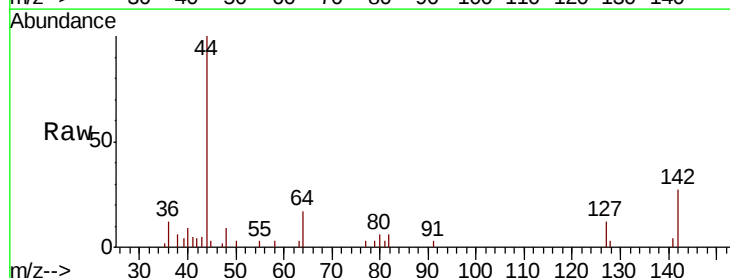
Tgt Ion: 142 Resp: 1603

Ion Ratio Lower Upper

142 100

127 41.7 33.8 50.6

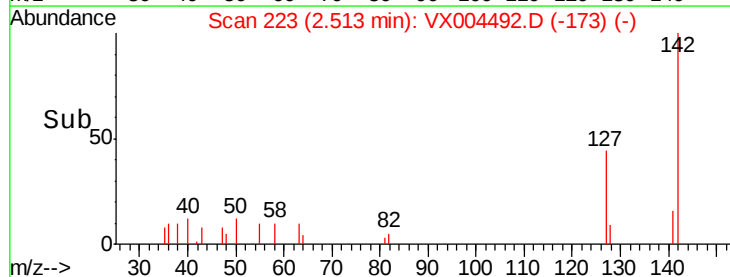
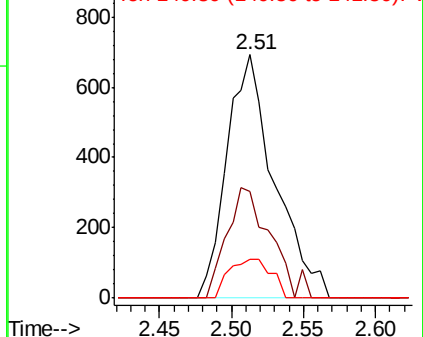
141 14.0 11.4 17.0

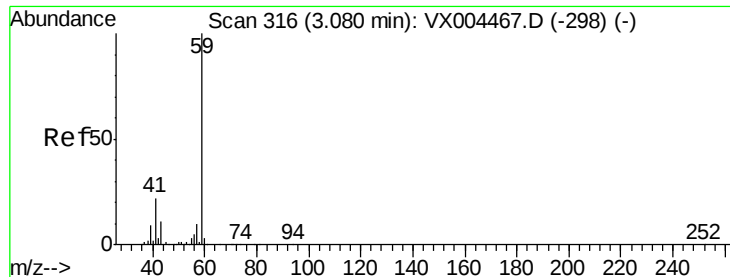


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

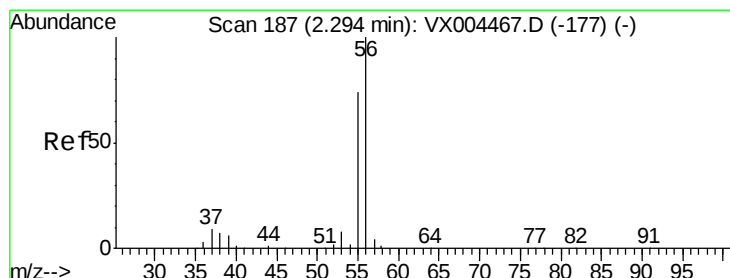
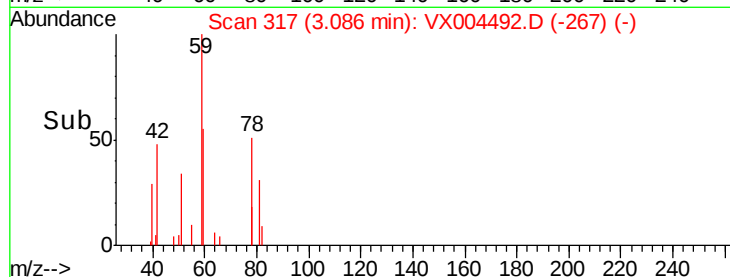
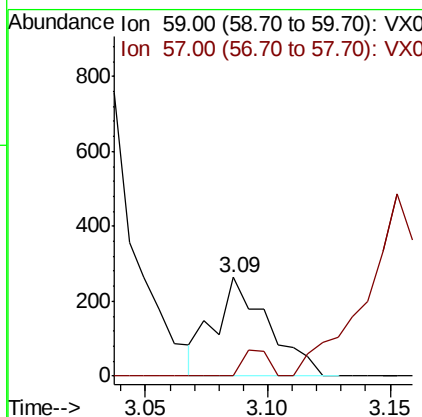
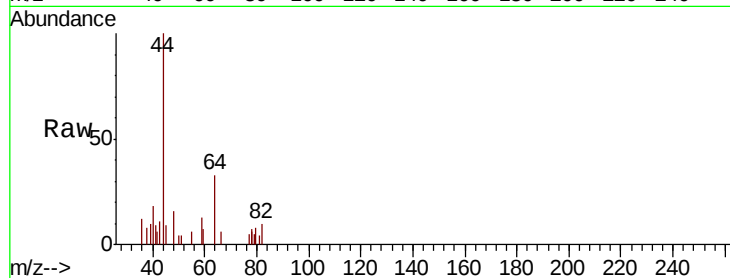




#11
Tert butvl alcohol
Concen: 0.66 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

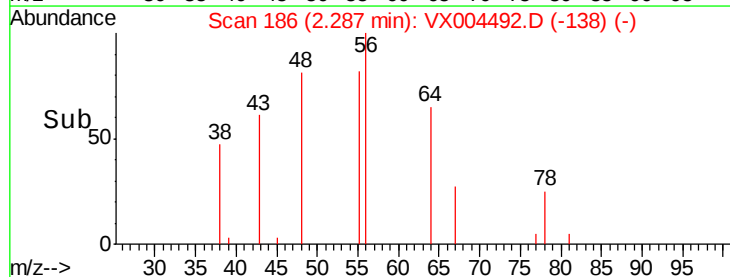
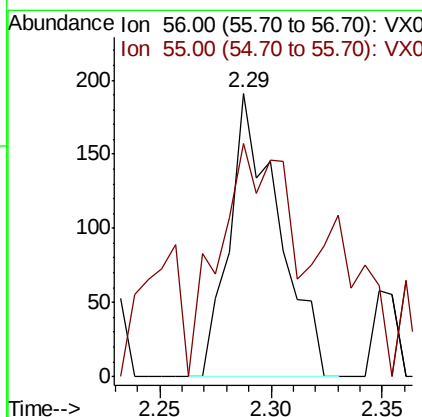
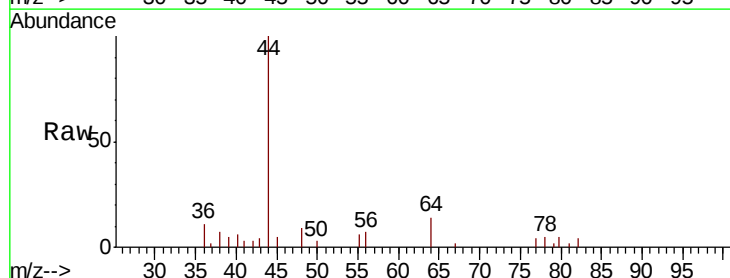
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(6-8)

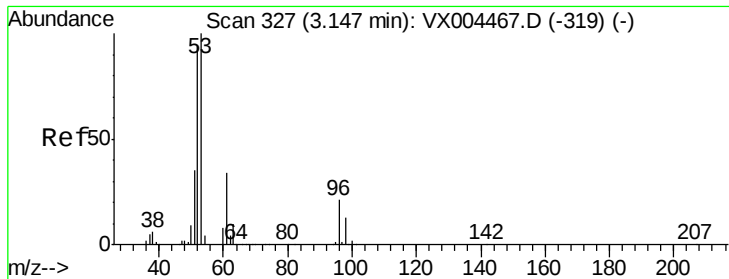
Tot Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 12.5 8.2 12.4#



#13
Acrolein
Concen: 1.22 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

Tgt Ion: 56 Resp: 291
Ion Ratio Lower Upper
56 100
55 122.3 54.7 82.1#





#15

Acrylonitrile

Concen: 0.43 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(6-8)

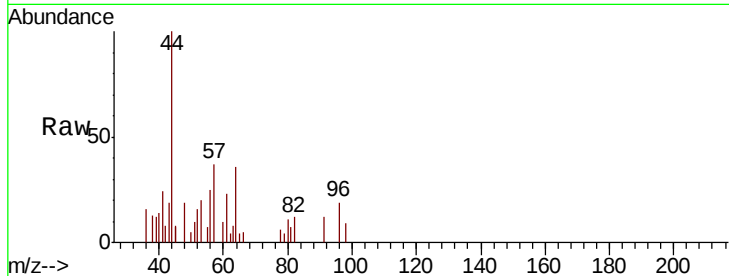
Tot Ion: 53 Resp: 625

Ion Ratio Lower Upper

53 100

52 79.4 65.2 97.8

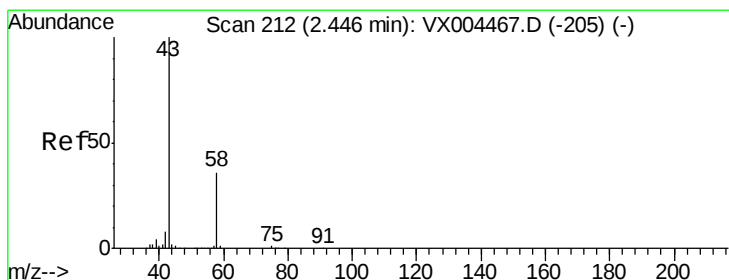
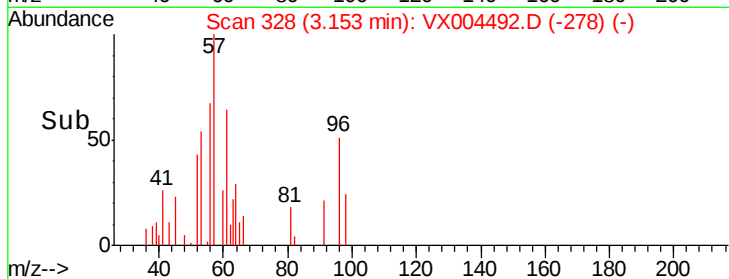
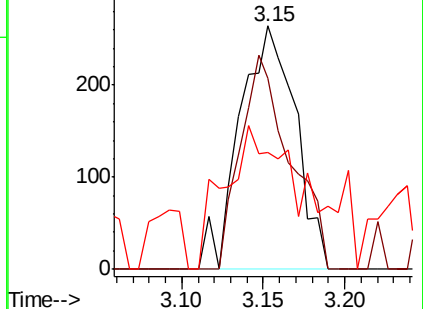
51 87.4 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.03 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004492.D

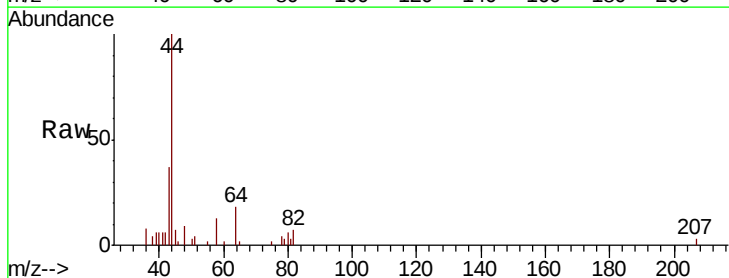
Acq: 12 Sep 2018 14:07

Tgt Ion: 43 Resp: 1274

Ion Ratio Lower Upper

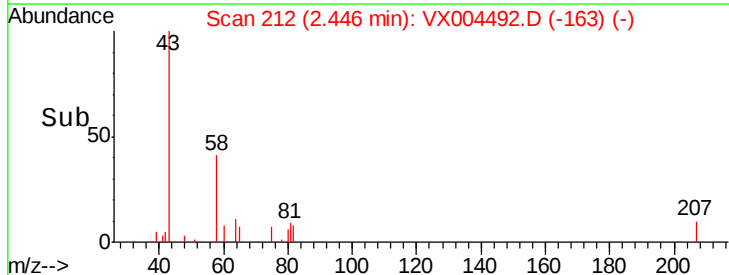
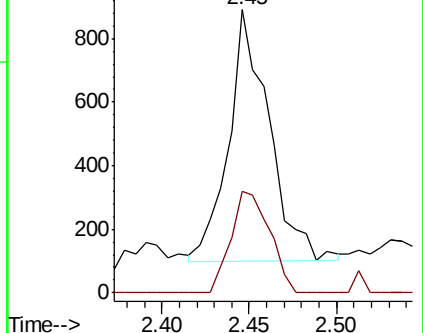
43 100

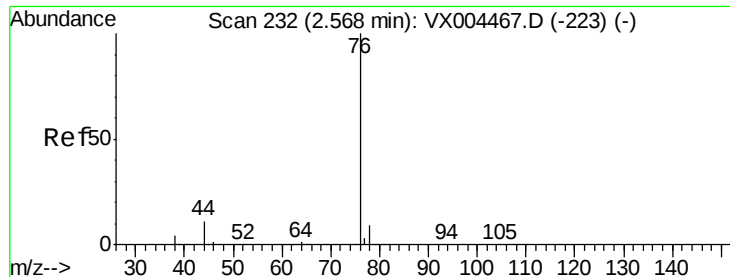
58 41.4 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.35 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

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ClientSampleId :

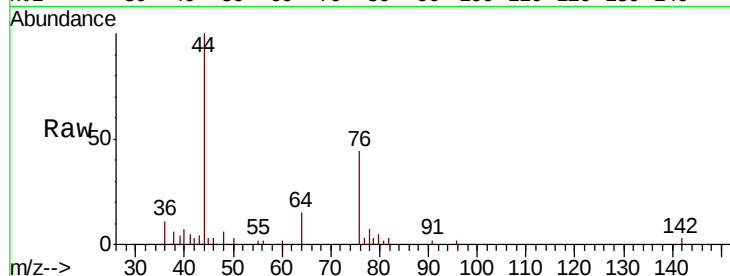
EP1-MW-A(6-8)

Tot Ion: 76 Resp: 2066

Ion Ratio Lower Upper

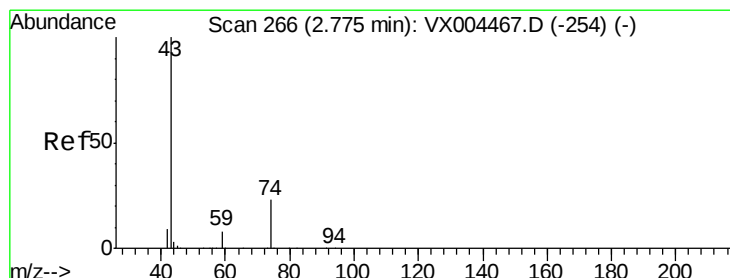
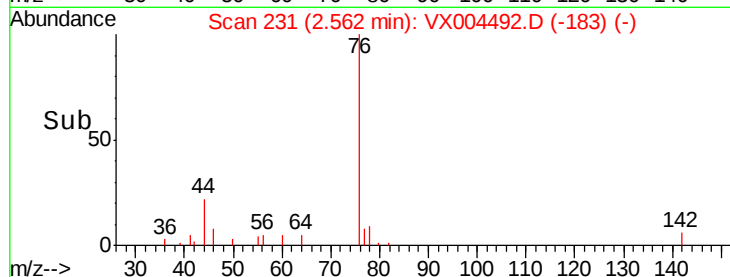
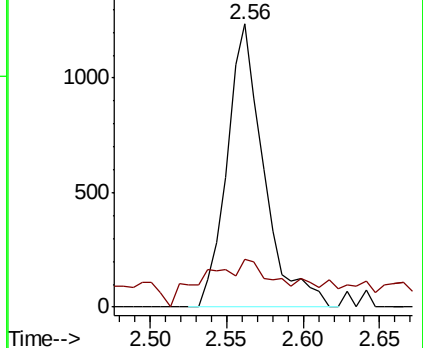
76 100

78 10.4 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: 0.28 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX004492.D

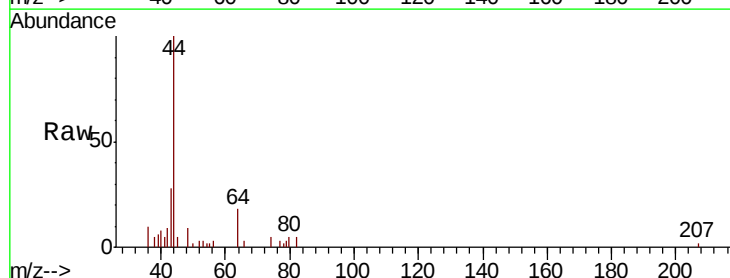
Acq: 12 Sep 2018 14:07

Tgt Ion: 43 Resp: 975

Ion Ratio Lower Upper

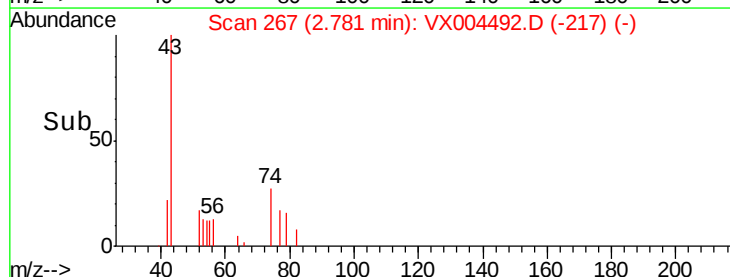
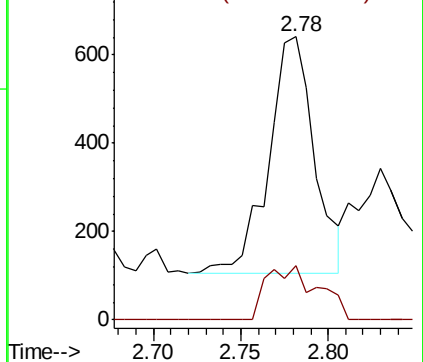
43 100

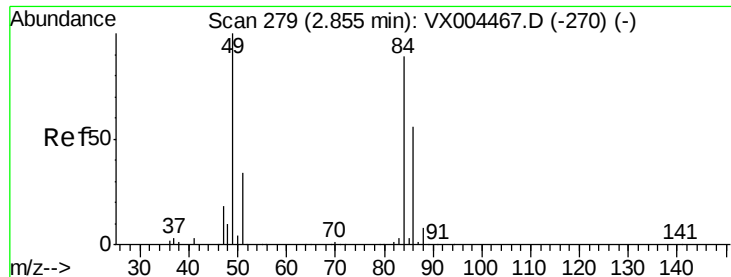
74 25.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.33 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(6-8)

Tot Ion: 84 Resp: 847

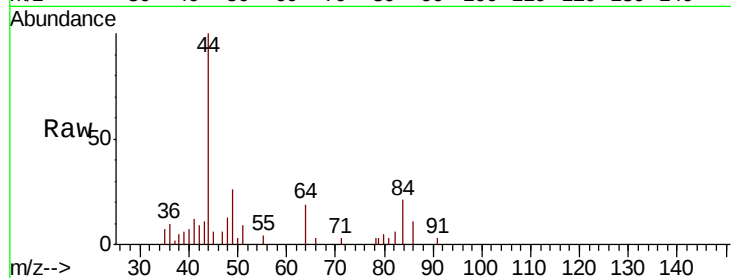
Ion Ratio Lower Upper

84 100

49 125.7 101.2 151.8

51 42.3 29.5 44.3

86 52.2 52.3 78.5#

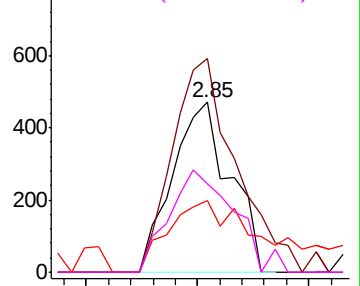


Abundance Ion 83.90 (83.60 to 84.60): VX0

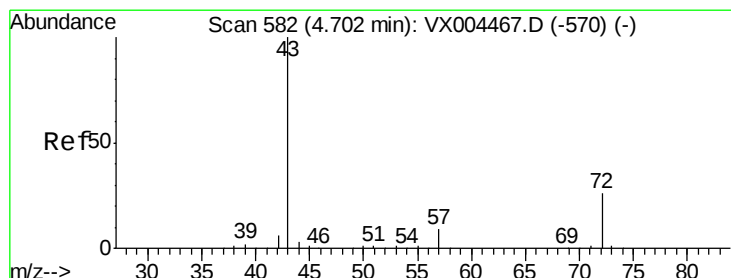
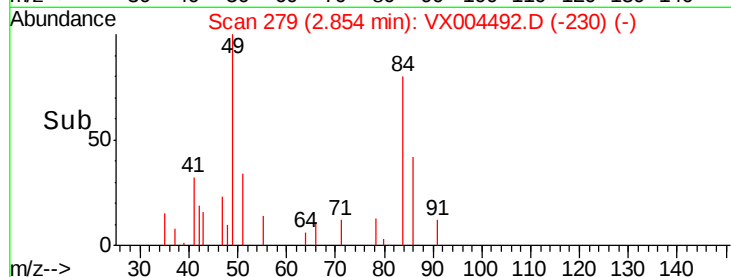
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#25

2-Butanone

Concen: 0.41 ug/l

RT: 4.72 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX004492.D

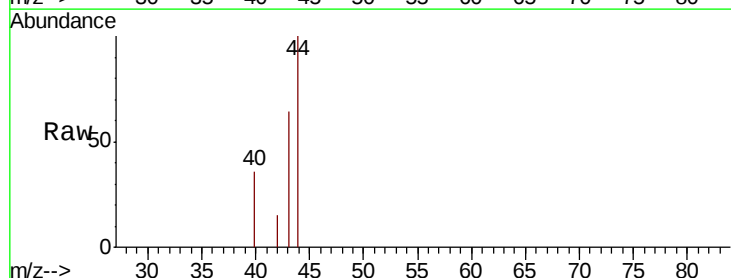
Acq: 12 Sep 2018 14:07

Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

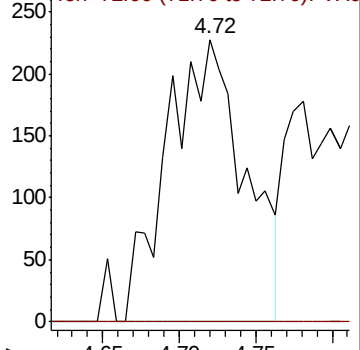
43 100

72 0.0 22.0 33.0#

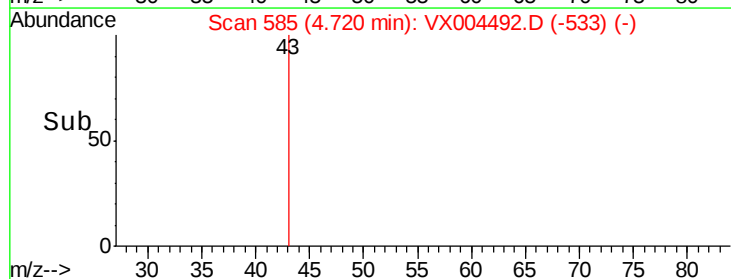


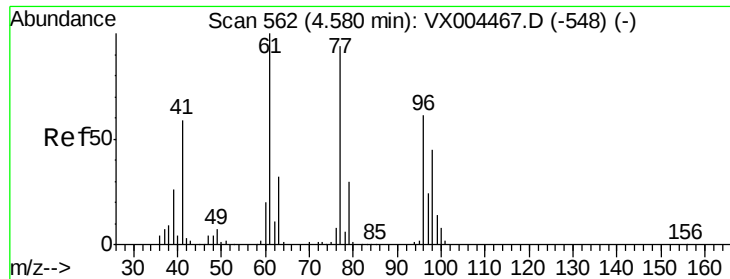
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->





#26

2,2-Dichloropropane

Concen: 0.25 ug/l

RT: 4.79 min Scan# 596

Delta R.T. 0.21 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

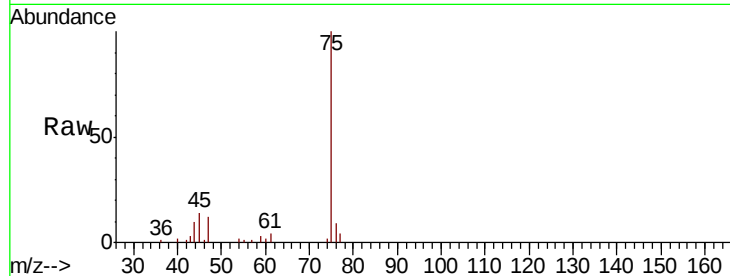
EP1-MW-A(6-8)

Tot Ion: 77 Resp: 724

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

250

200

150

100

50

0

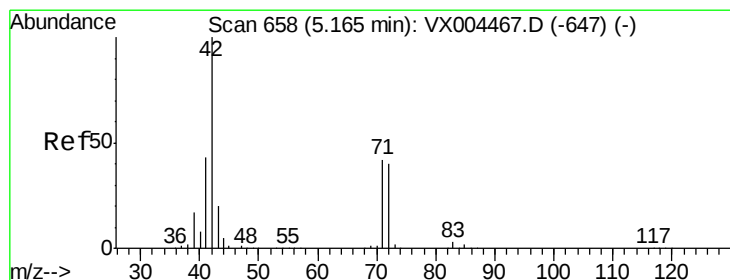
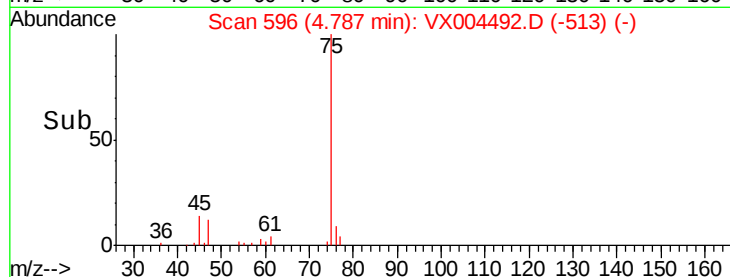
4.70

4.75

4.80

4.85

Time-->



#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

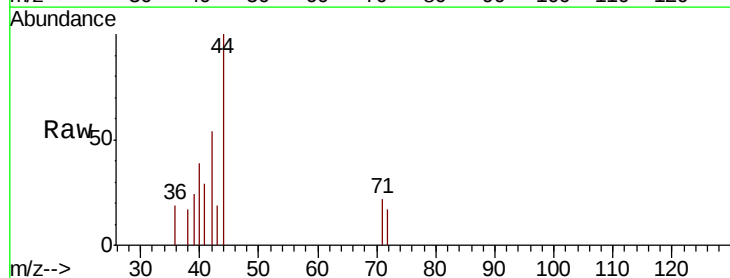
Tgt Ion: 42 Resp: 504

Ion Ratio Lower Upper

42 100

72 20.4 37.4 56.0#

71 13.5 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

250

200

150

100

50

0

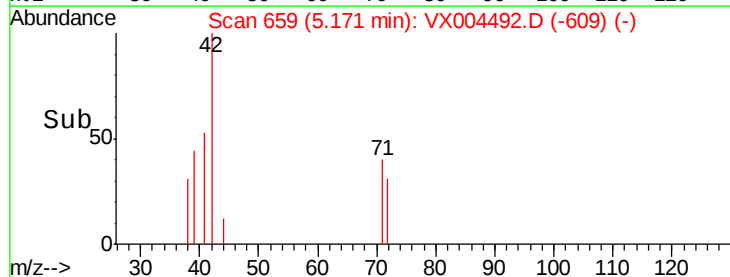
5.10

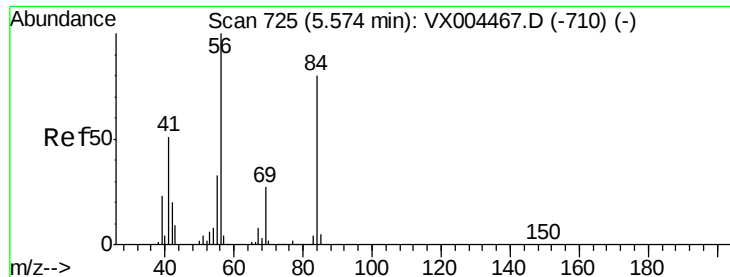
5.15

5.20

5.25

Time-->

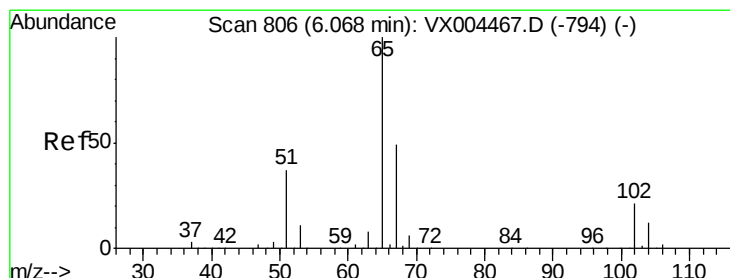
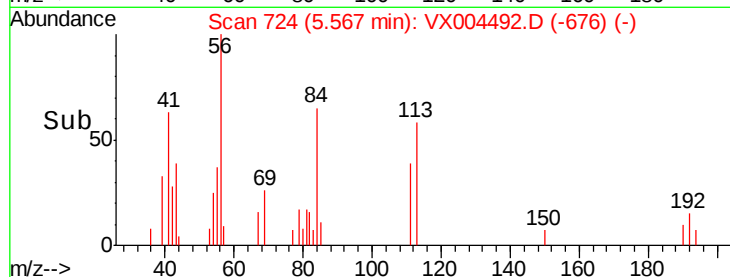
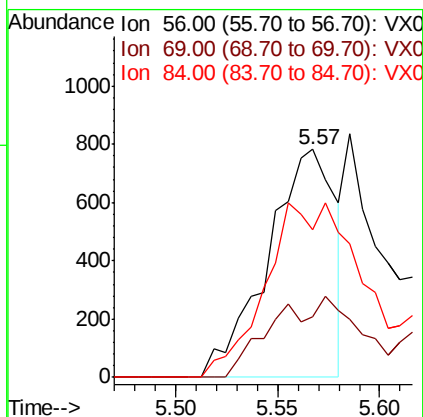
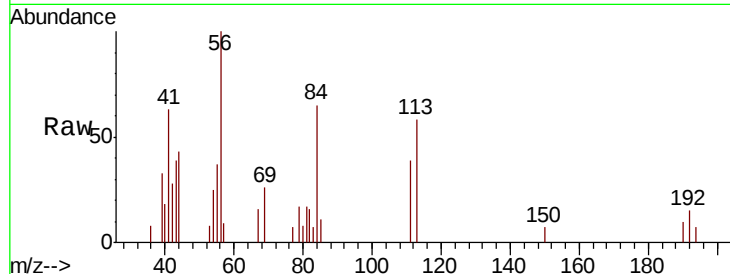




#31
Cyclohexane
Concen: 0.50 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

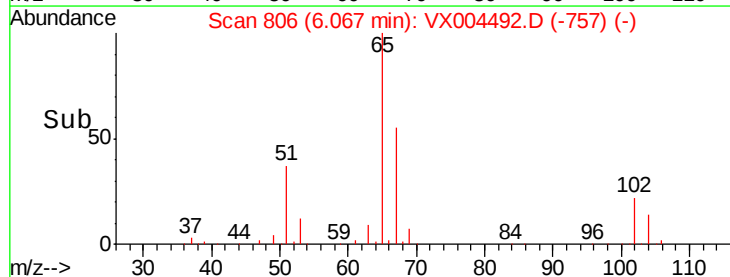
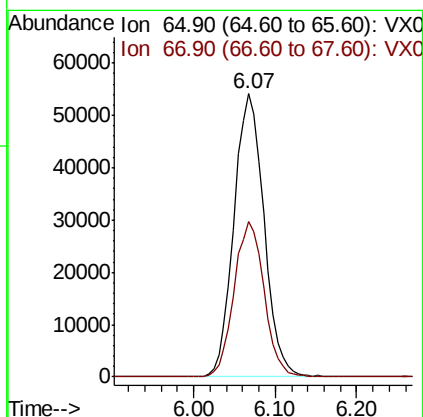
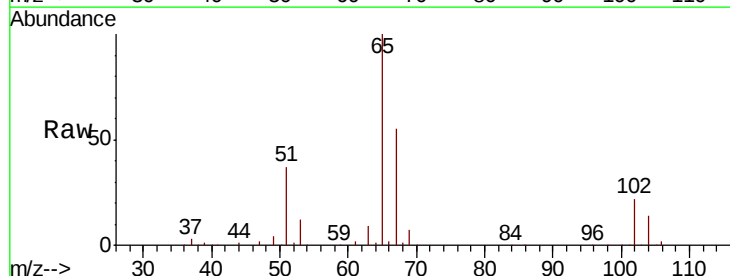
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(6-8)

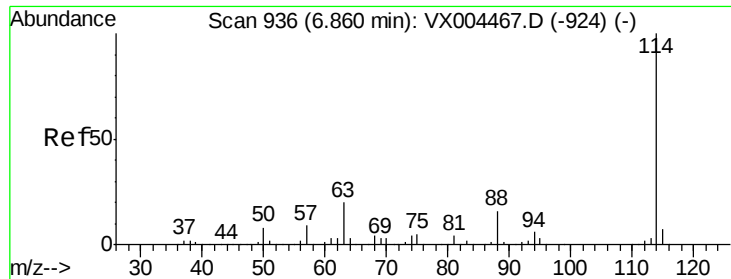
Tot Ion: 56 Resp: 1809
Ion Ratio Lower Upper
56 100
69 26.3 25.4 38.2
84 64.6 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 54.70 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

Tgt Ion: 65 Resp: 138135
Ion Ratio Lower Upper
65 100
67 54.8 0.0 106.8

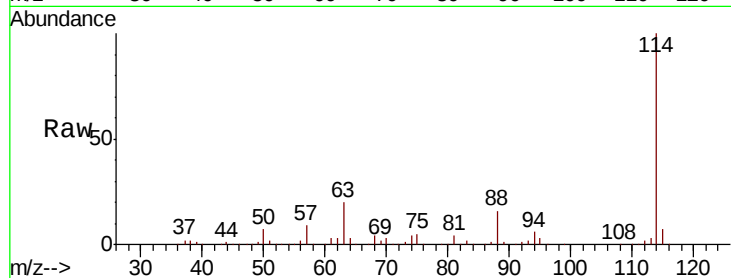




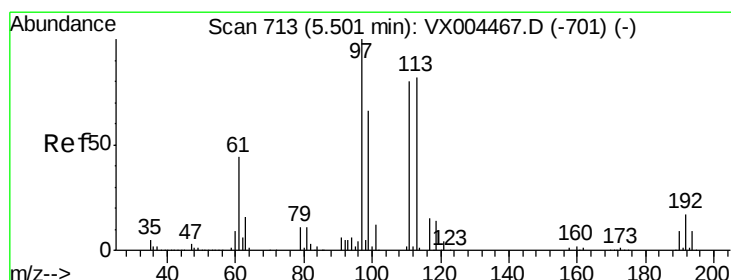
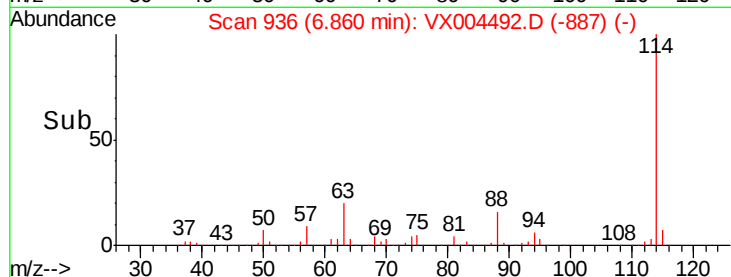
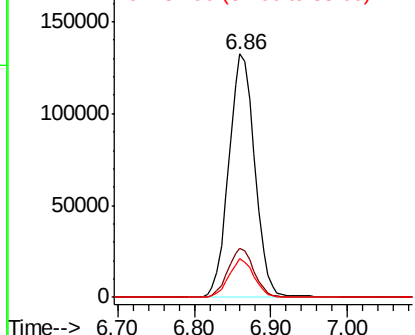
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(6-8)

Tot Ion:114 Resp: 310944
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.0
88 15.7 0.0 30.4

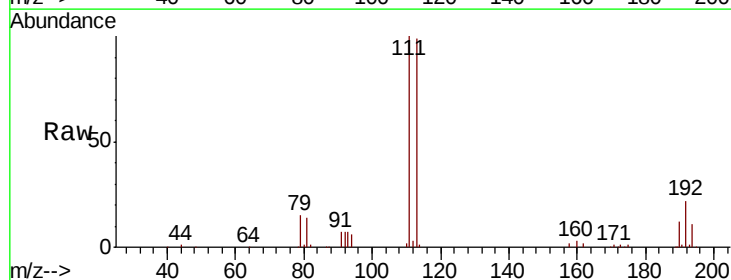


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

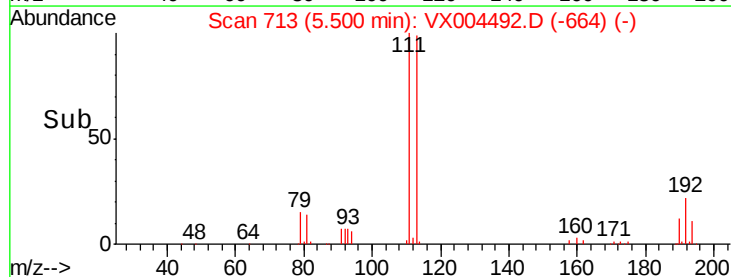
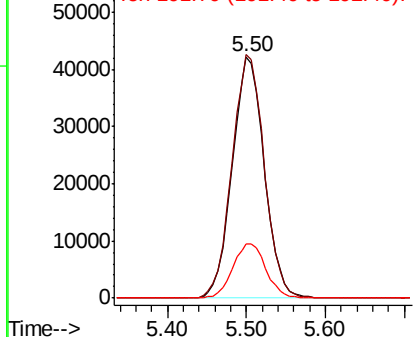


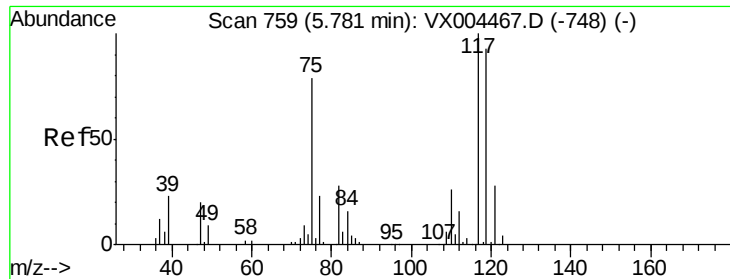
#35
Dibromofluoromethane
Concen: 41.79 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

Tgt Ion:113 Resp: 118919
Ion Ratio Lower Upper
113 100
111 101.7 82.4 123.6
192 23.2 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 4.73 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(6-8)

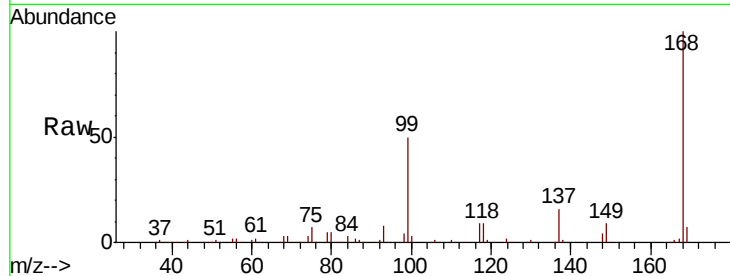
Tot Ion:117 Resp: 17437

Ion Ratio Lower Upper

117 100

119 7.3 78.8 118.2#

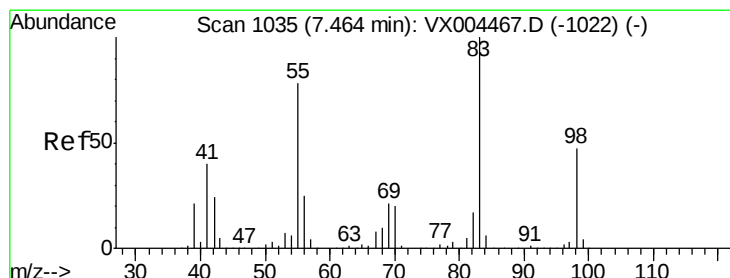
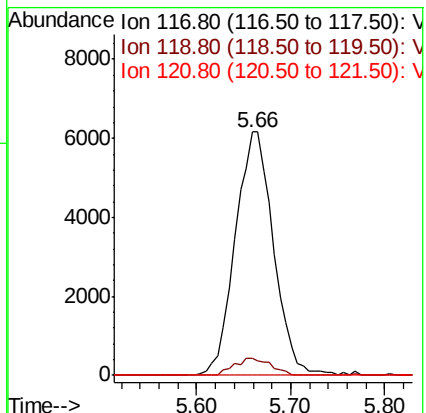
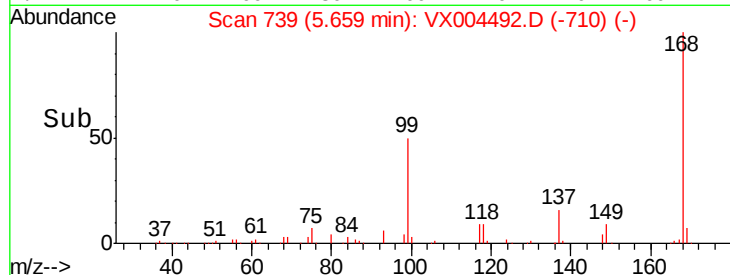
121 0.0 24.9 37.3#



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: 5.00 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

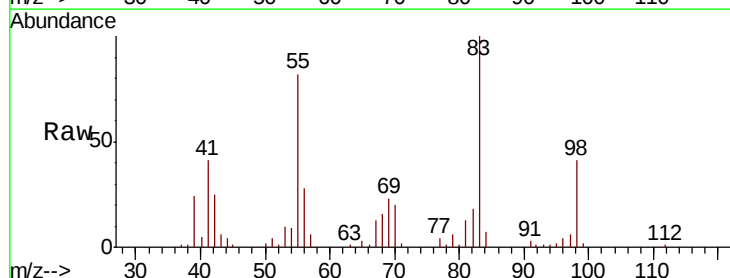
Tgt Ion: 83 Resp: 19685

Ion Ratio Lower Upper

83 100

55 81.5 61.0 91.4

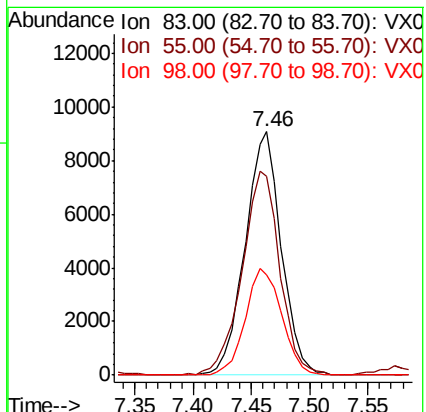
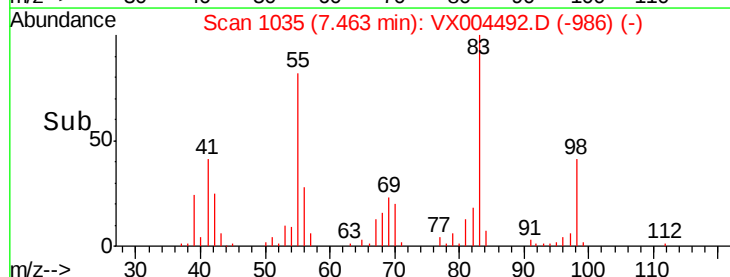
98 40.9 39.6 59.4

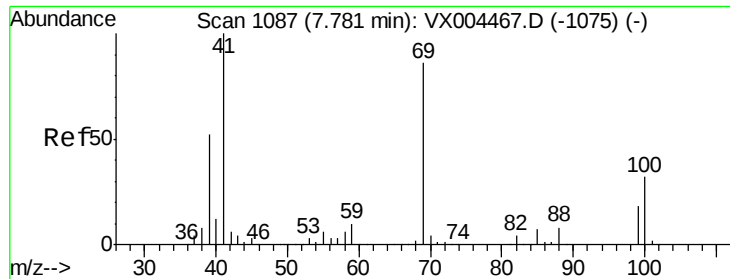


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#48

Methvl methacrylate

Concen: 0.42 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.05 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(6-8)

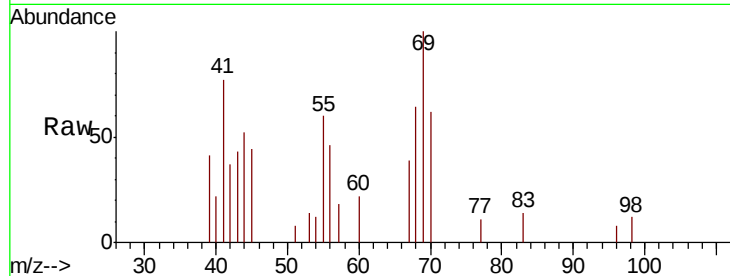
Tot Ion: 41 Resp: 1196

Ion Ratio Lower Upper

41 100

69 109.4 70.2 105.4#

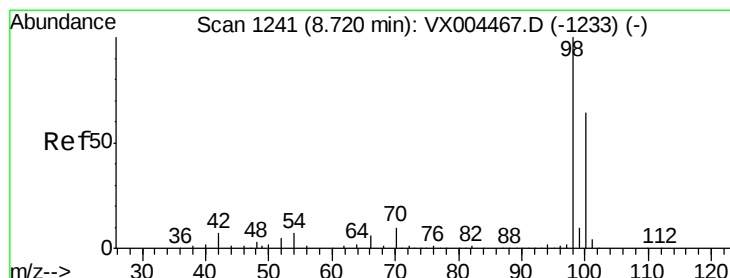
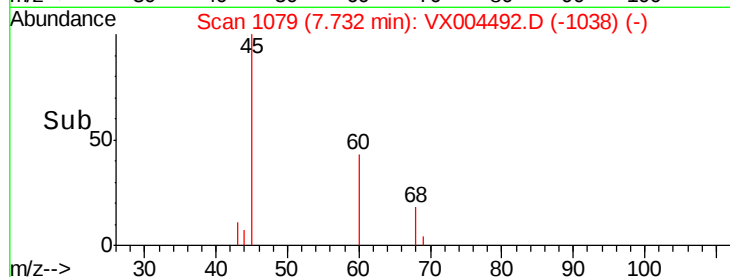
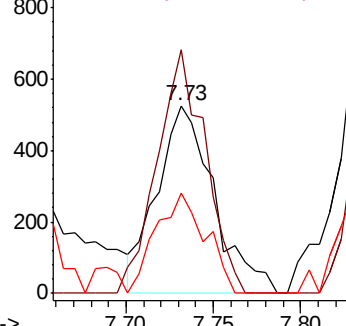
39 46.8 42.7 64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 50.62 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004492.D

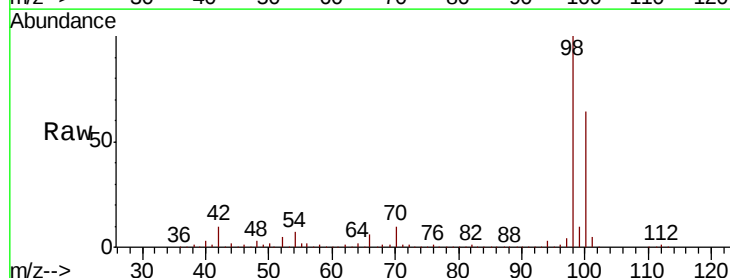
Acq: 12 Sep 2018 14:07

Tgt Ion: 98 Resp: 483061

Ion Ratio Lower Upper

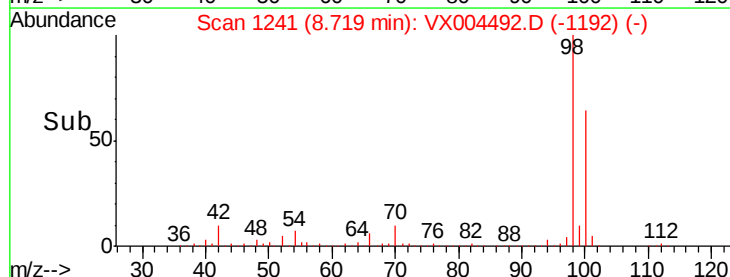
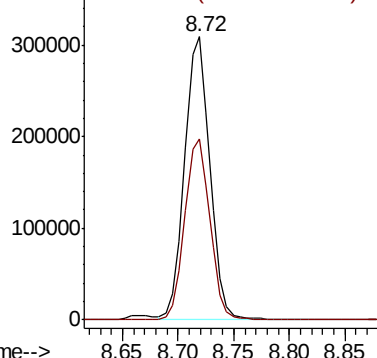
98 100

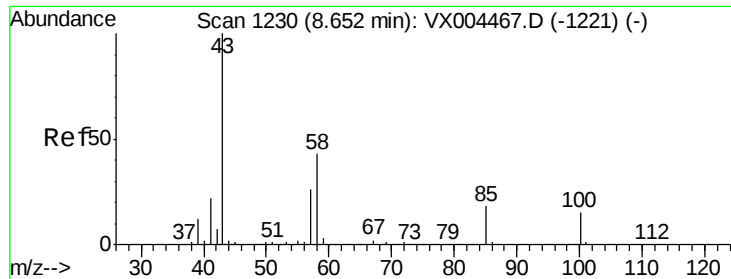
100 64.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.16 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

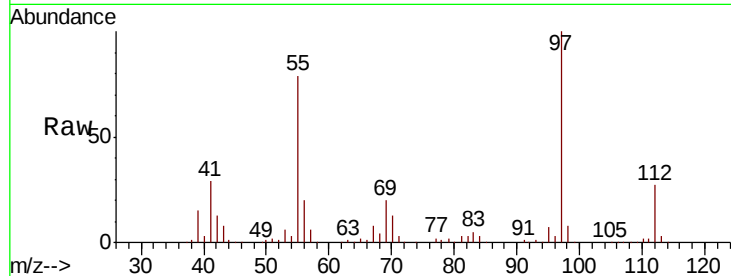
EP1-MW-A(6-8)

Tot Ion: 43 Resp: 8674

Ion Ratio Lower Upper

43 100

58 4.9 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX004467.D (-1221) (-)

Ion 58.00 (57.70 to 58.70): VX004467.D (-1221) (-)

8.66

5000

4000

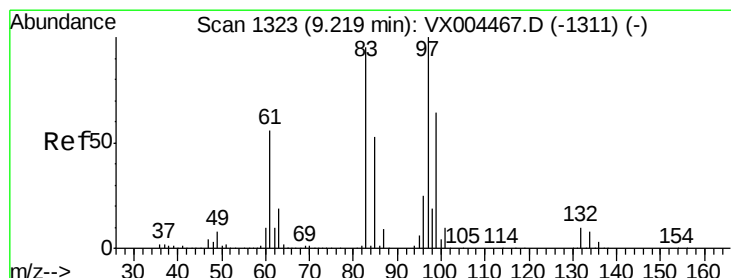
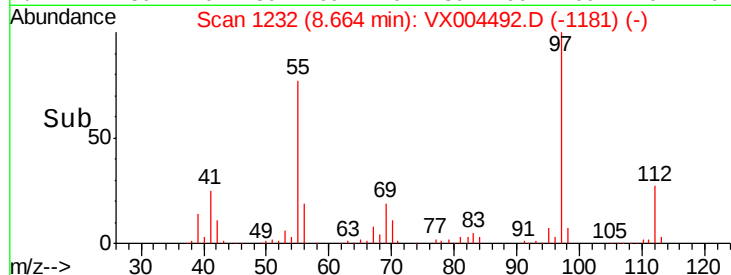
3000

2000

1000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 18.12 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.06 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Tgt Ion: 97 Resp: 51482

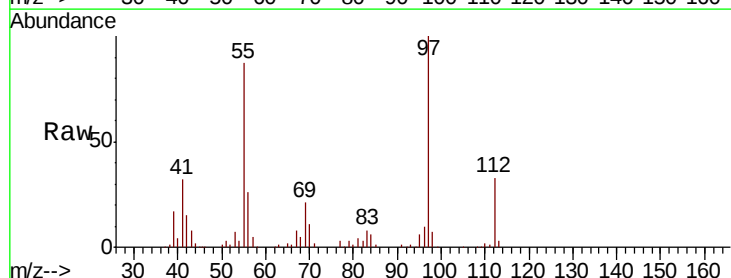
Ion Ratio Lower Upper

97 100

83 7.8 66.4 99.6#

85 0.5 43.3 64.9#

99 0.3 49.0 73.4#



Abundance Ion 96.90 (96.60 to 97.60): VX004467.D (-1311) (-)

Ion 82.90 (82.60 to 83.60): VX004467.D (-1311) (-)

Ion 84.90 (84.60 to 85.60): VX004467.D (-1311) (-)

Ion 98.90 (98.60 to 99.60): VX004467.D (-1311) (-)

9.16

50000

40000

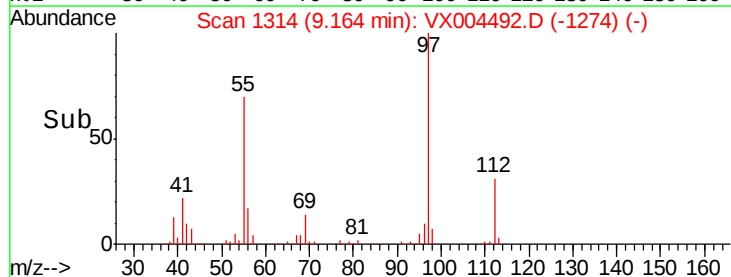
30000

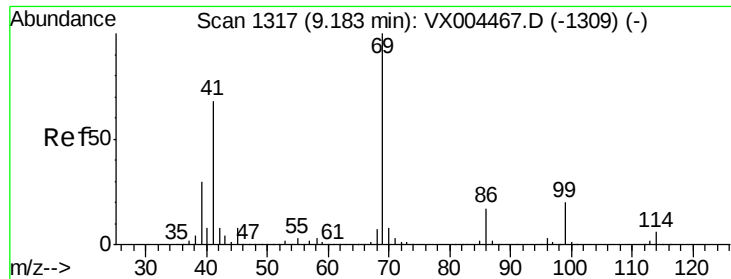
20000

10000

0

Time-->





#56

Ethyl methacrylate

Concen: 2.88 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampled :

EP1-MW-A(6-8)

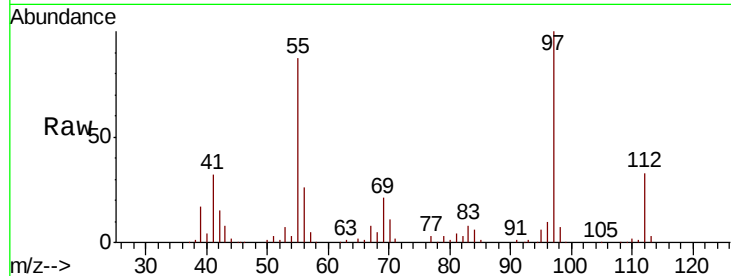
Tot Ion: 69 Resp: 11557

Ion Ratio Lower Upper

69 100

41 145.1 51.0 76.4#

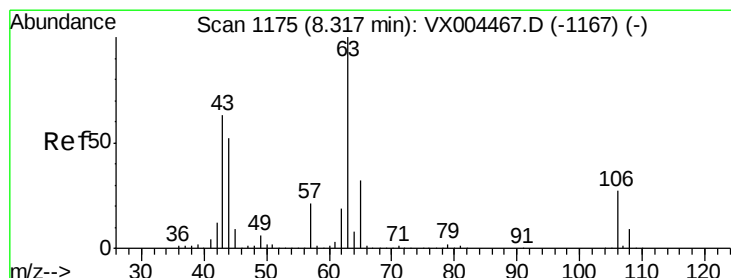
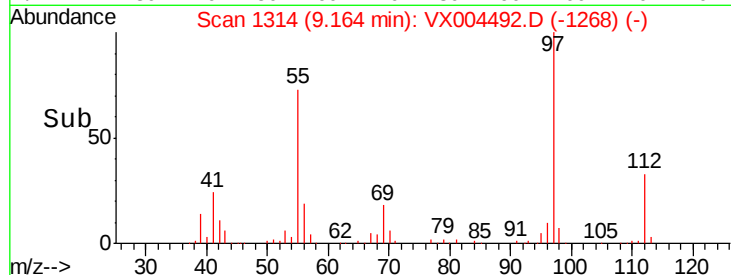
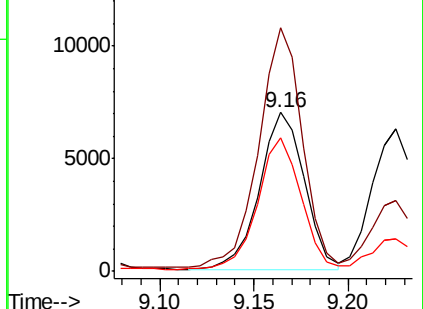
39 80.7 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 7.33 ug/l

RT: 8.32 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX004492.D

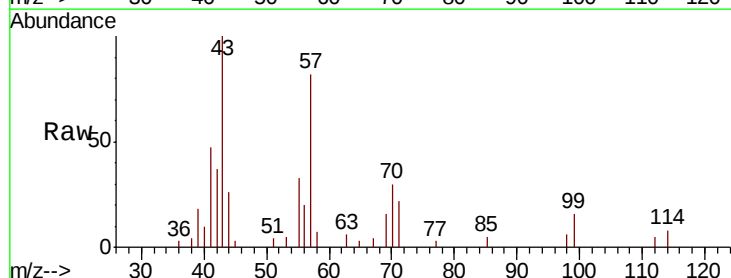
Acq: 12 Sep 2018 14:07

Tgt Ion: 63 Resp: 133

Ion Ratio Lower Upper

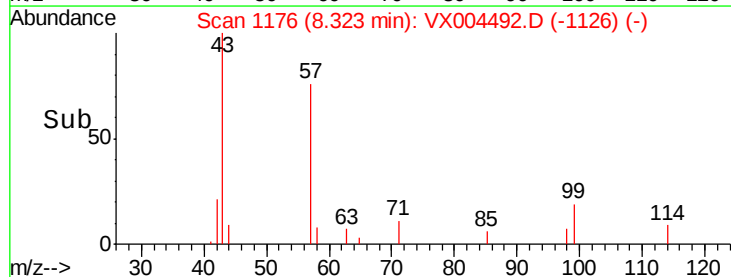
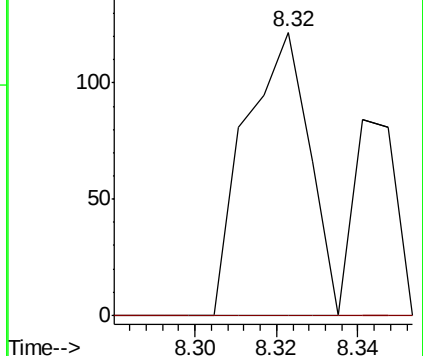
63 100

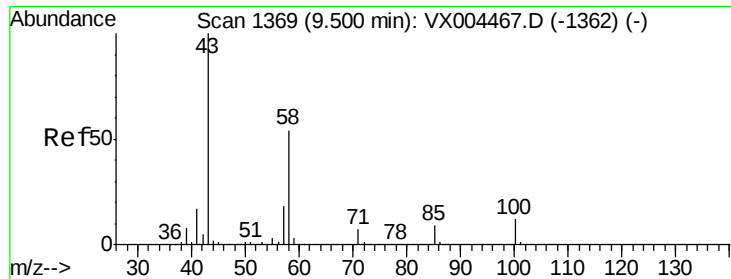
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

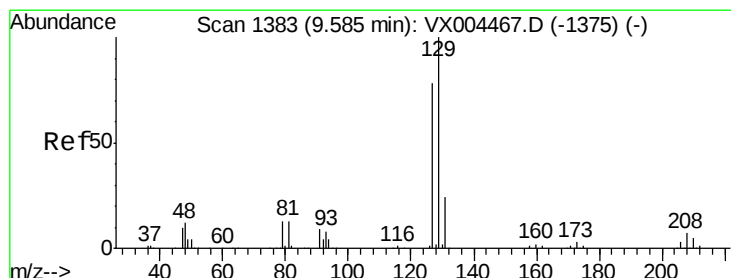
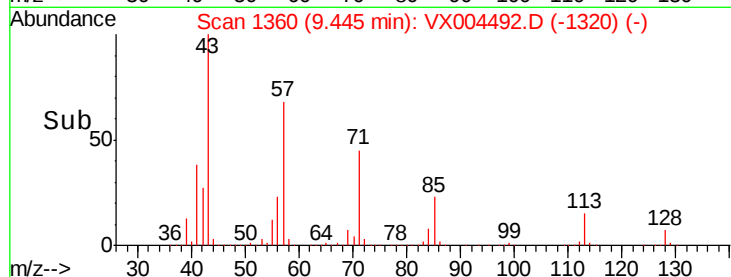
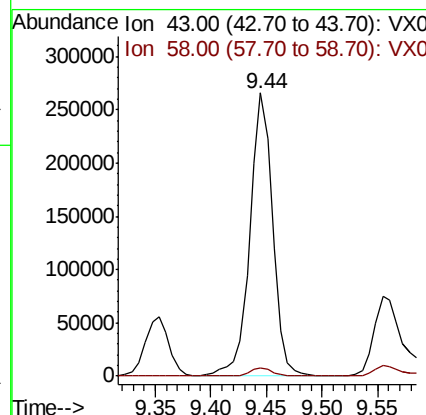
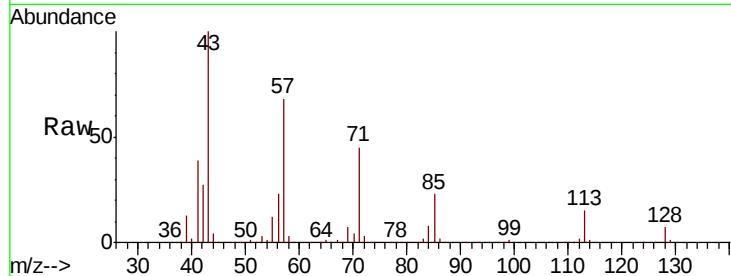




#59
2-Hexanone
Concen: 121.53 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.06 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

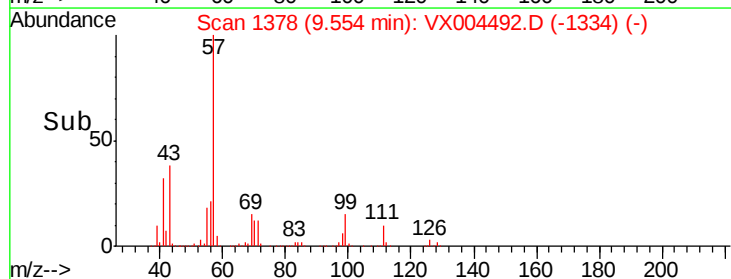
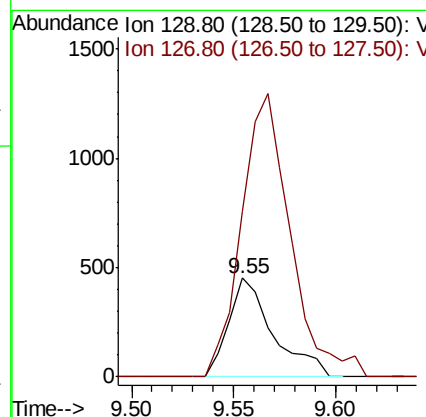
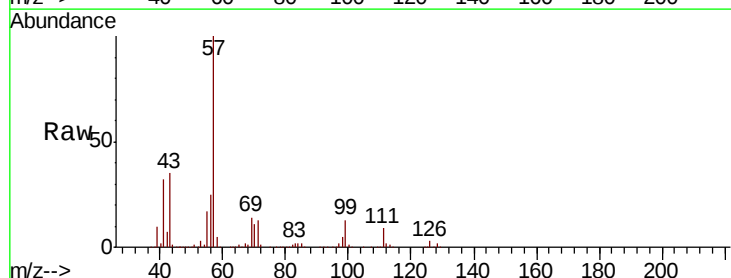
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(6-8)

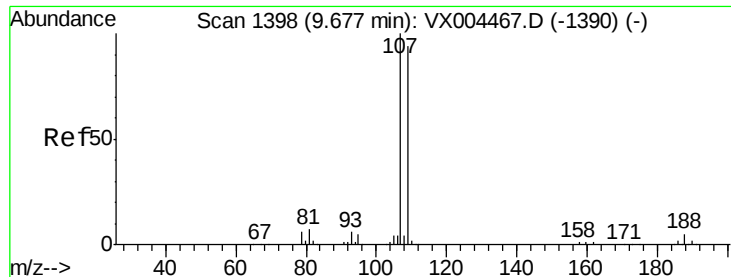
Tot Ion: 43 Resp: 375149
Ion Ratio Lower Upper
43 100
58 3.2 29.0 87.0#



#60
Dibromochloromethane
Concen: 0.26 ug/l
RT: 9.55 min Scan# 1378
Delta R.T. -0.03 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

Tgt Ion:129 Resp: 686
Ion Ratio Lower Upper
129 100
127 315.0 38.5 115.5#





#61

1,2-Dibromoethane

Concen: 0.24 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

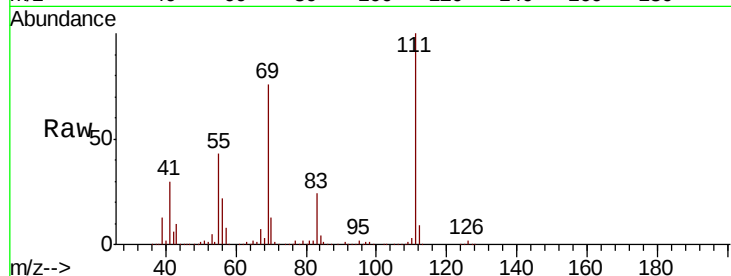
EP1-MW-A(6-8)

Tot Ion:107 Resp: 651

Ion Ratio Lower Upper

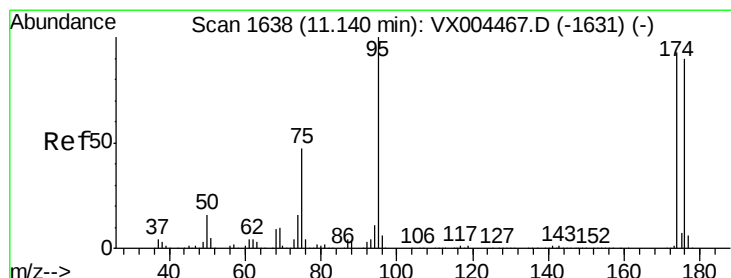
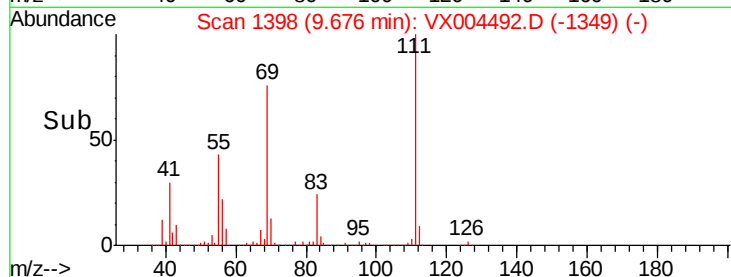
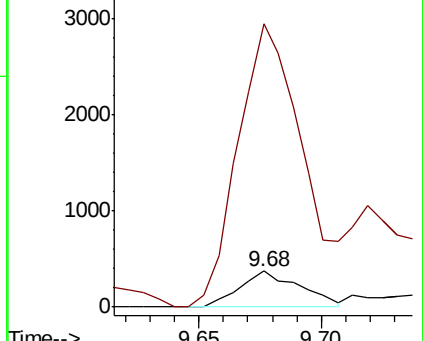
107 100

109 835.9 76.0 114.0#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 72.93 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

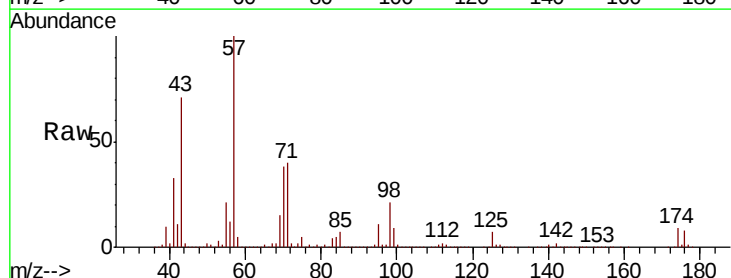
Tgt Ion: 95 Resp: 248416

Ion Ratio Lower Upper

95 100

174 66.5 0.0 185.2

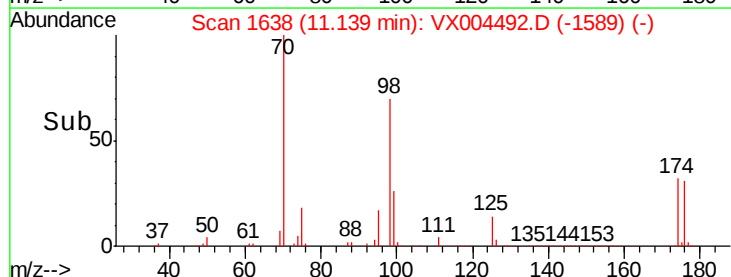
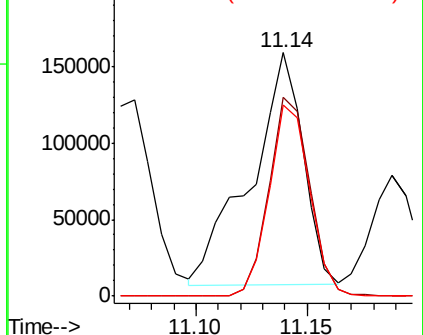
176 64.2 0.0 178.6

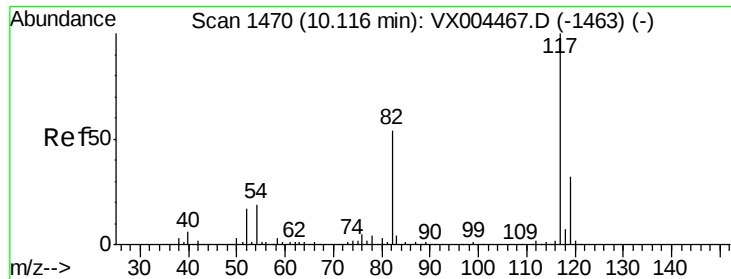


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

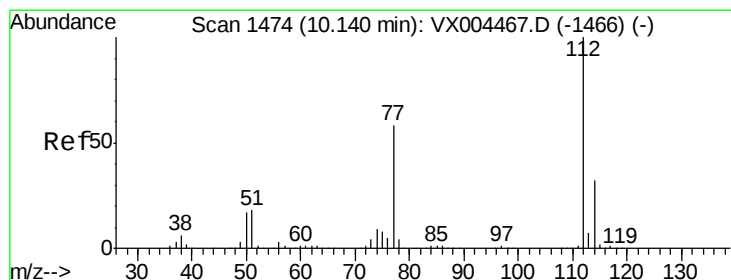
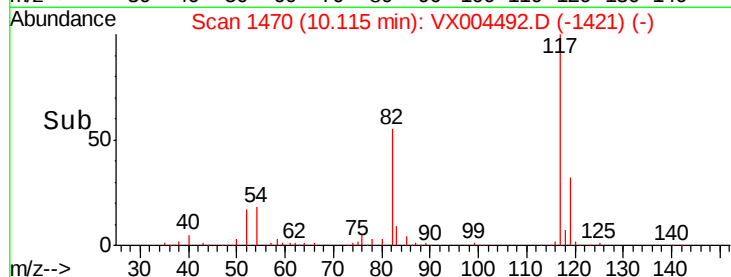
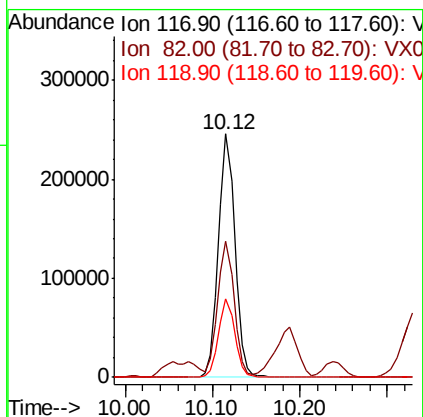
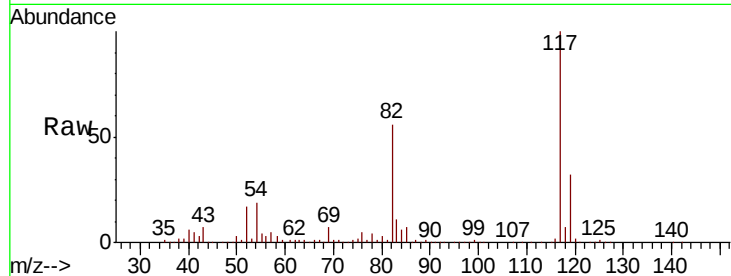




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

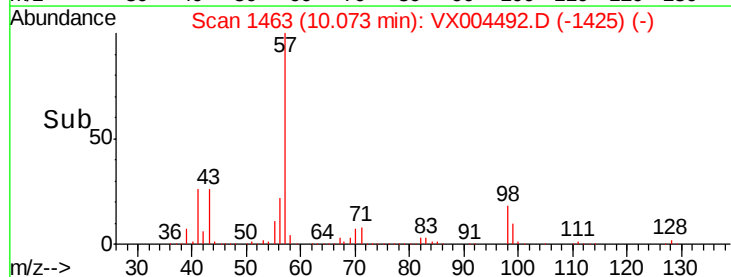
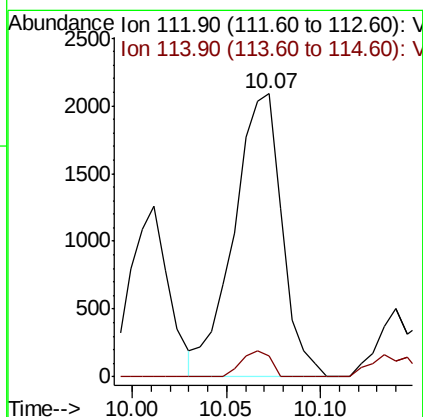
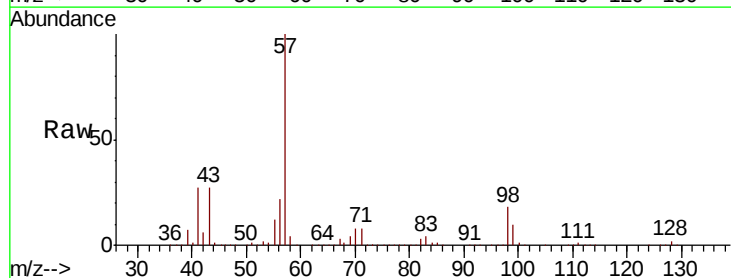
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(6-8)

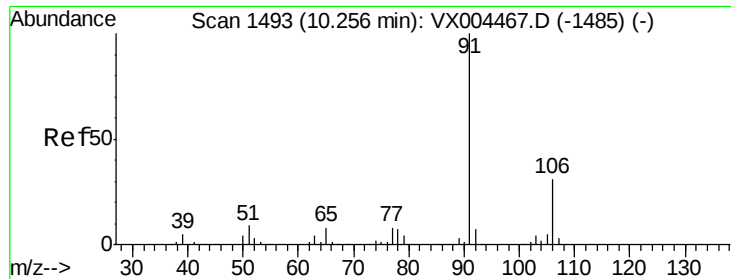
Tot Ion:117 Resp: 320613
Ion Ratio Lower Upper
117 100
82 49.8 47.8 71.6
119 32.2 29.3 43.9



#65
Chlorobenzene
Concen: 0.47 ug/l
RT: 10.07 min Scan# 1463
Delta R.T. -0.07 min
Lab File: VX004492.D
Acq: 12 Sep 2018 14:07

Tgt Ion:112 Resp: 3708
Ion Ratio Lower Upper
112 100
114 7.3 27.8 41.8#





#67

Ethyl Benzene

Concen: 1.52 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampled :

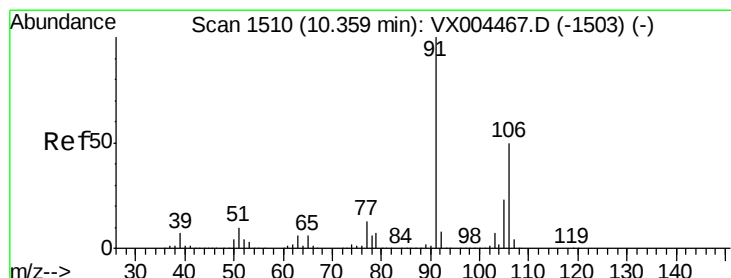
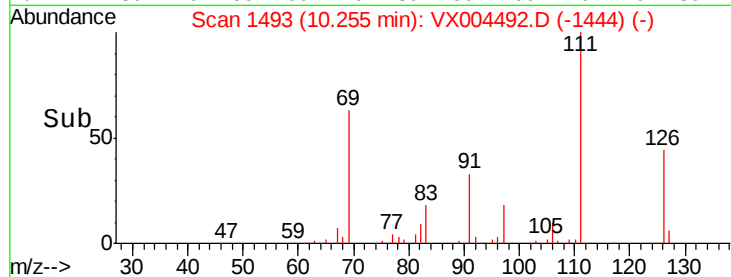
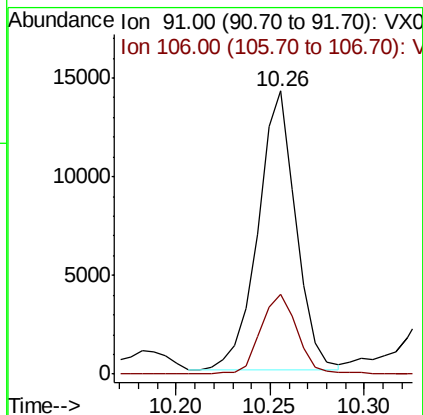
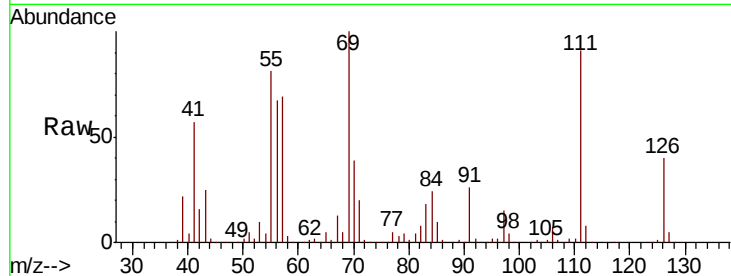
EP1-MW-A(6-8)

Tot Ion: 91 Resp: 19699

Ion Ratio Lower Upper

91 100

106 28.8 25.9 38.9



#68

m/p-Xylenes

Concen: 11.34 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX004492.D

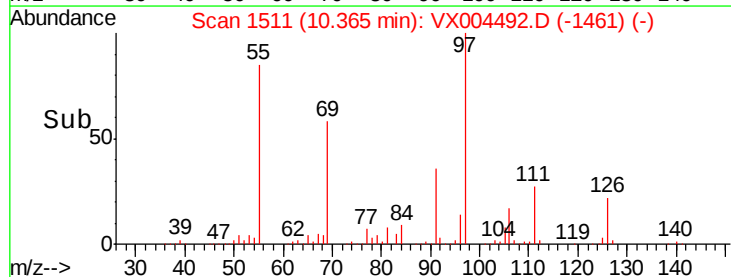
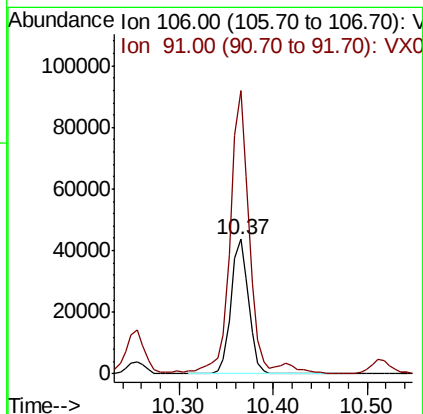
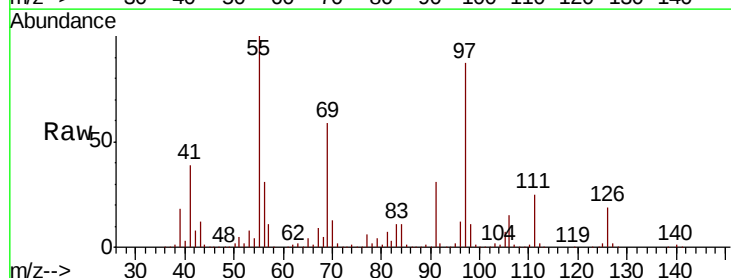
Acq: 12 Sep 2018 14:07

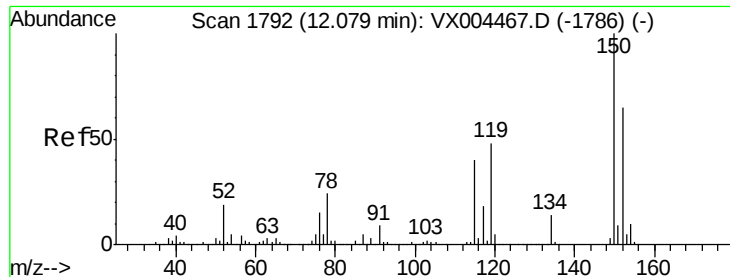
Tgt Ion: 106 Resp: 56578

Ion Ratio Lower Upper

106 100

91 224.1 157.1 235.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(6-8)

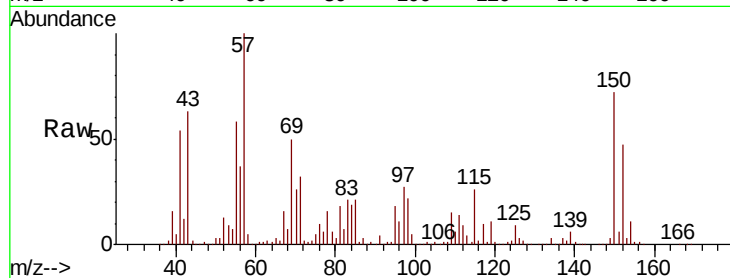
Tot Ion:152 Resp: 199535

Ion Ratio Lower Upper

152 100

115 66.4 39.0 117.0

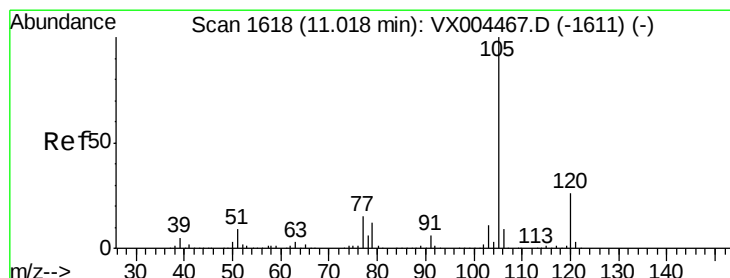
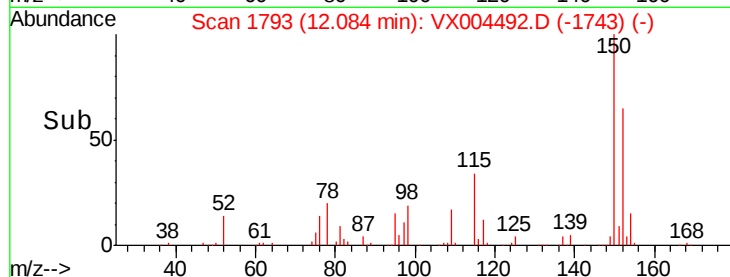
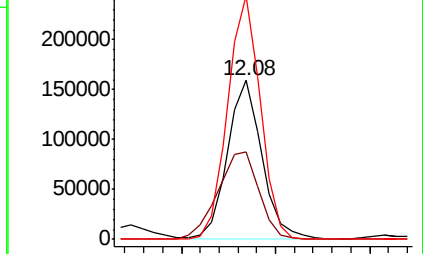
150 147.5 0.0 351.0



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



#73

Isopropylbenzene

Concen: 55.33 ug/l

RT: 11.02 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VX004492.D

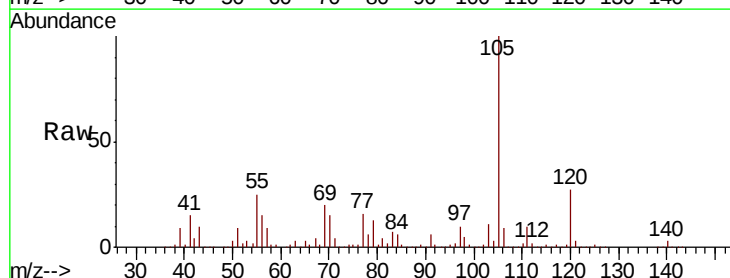
Acq: 12 Sep 2018 14:07

Tgt Ion:105 Resp: 727093

Ion Ratio Lower Upper

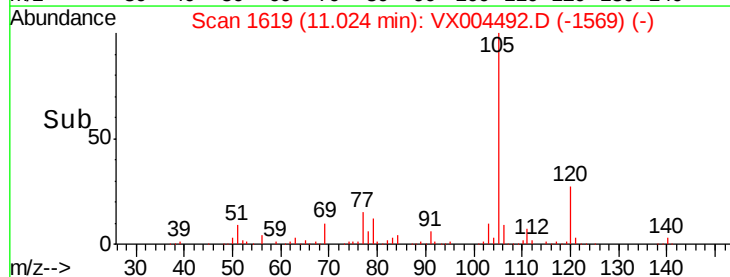
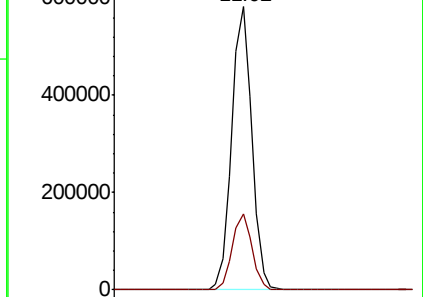
105 100

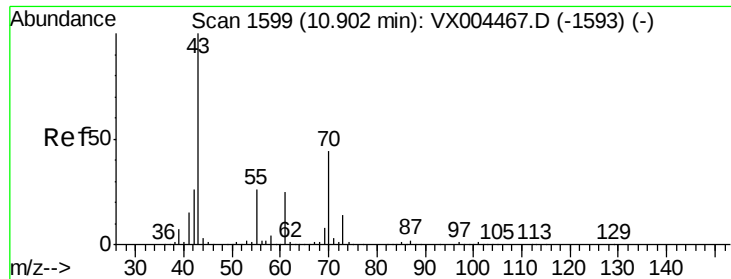
120 26.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 141.30 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(6-8)

Tot Ion: 43 Resp: 781575

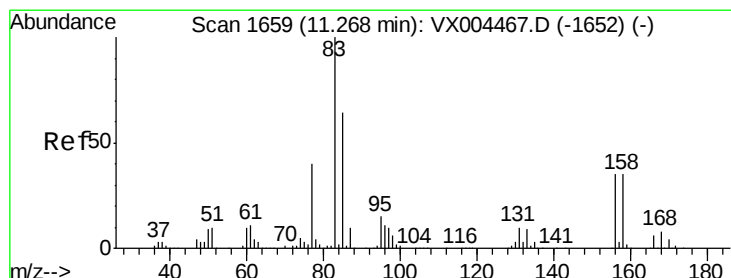
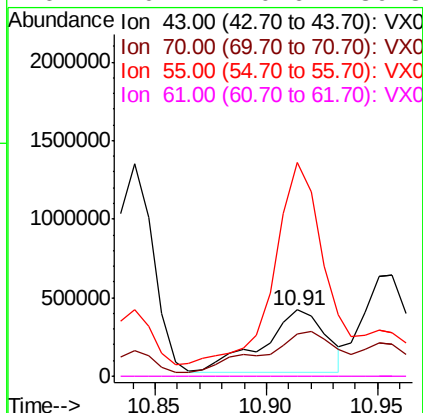
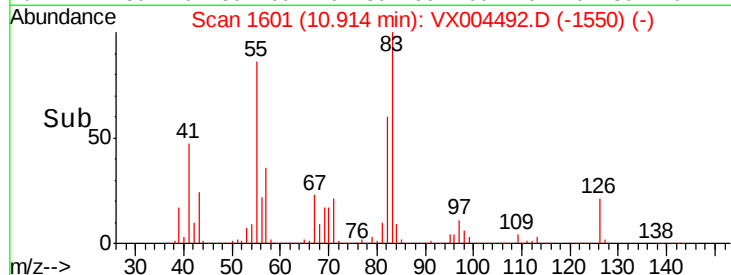
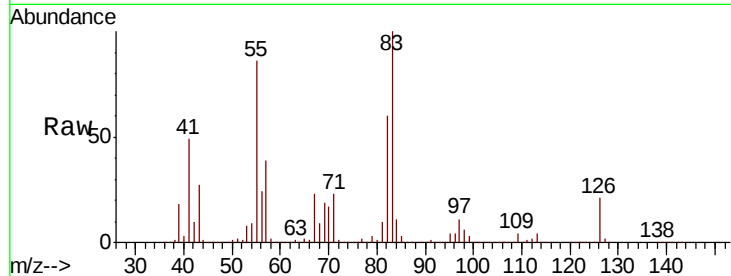
Ion Ratio Lower Upper

43 100

70 85.1 37.4 56.0#

55 254.7 21.8 32.8#

61 0.1 20.6 30.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 125.23 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

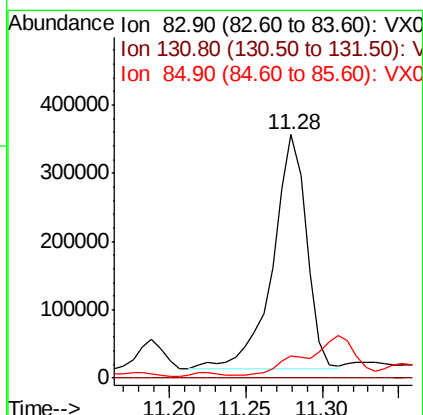
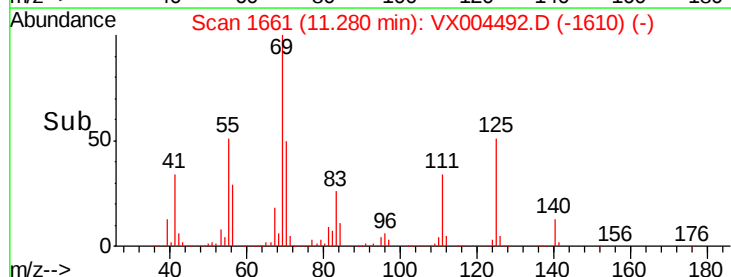
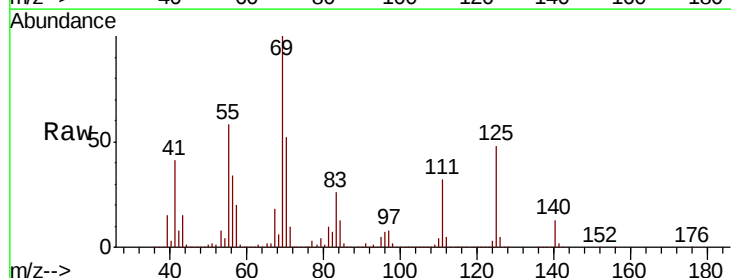
Tgt Ion: 83 Resp: 530817

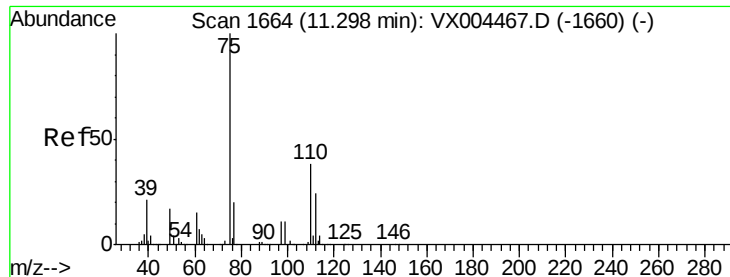
Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 3.06 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.07 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

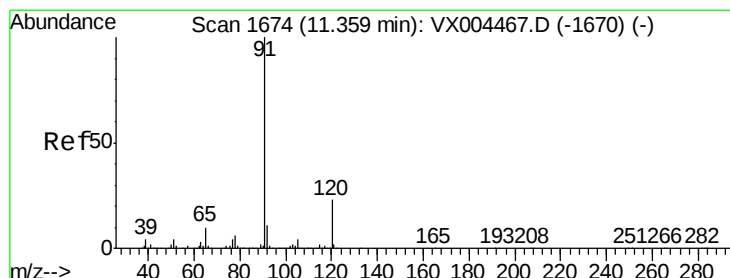
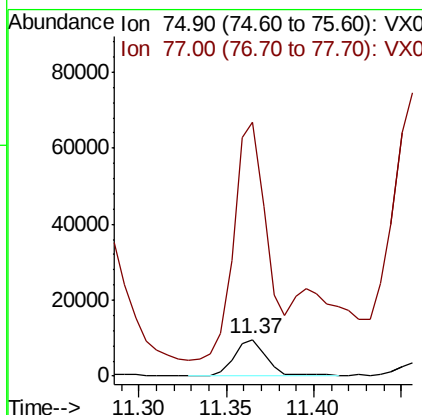
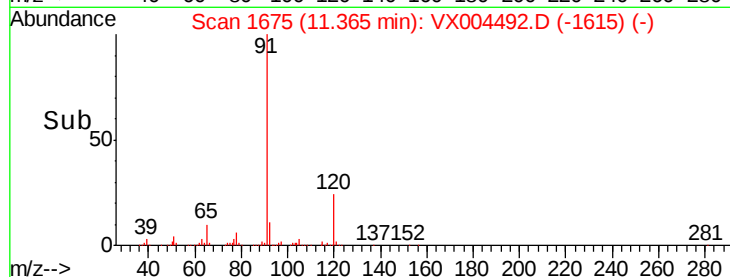
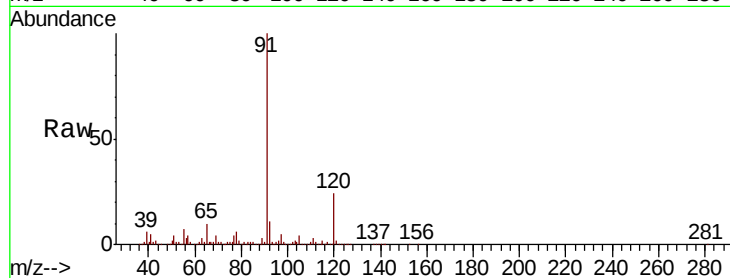
EP1-MW-A(6-8)

Tot Ion: 75 Resp: 12274

Ion Ratio Lower Upper

75 100

77 670.4 20.2 60.6#



#78

n-propylbenzene

Concen: 139.97 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX004492.D

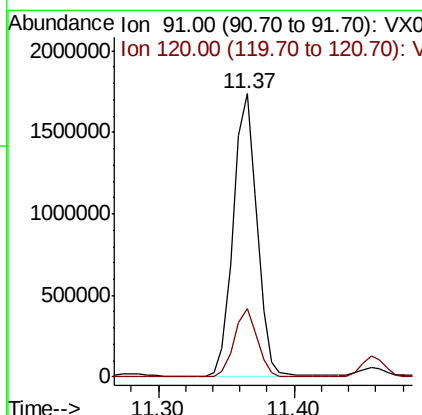
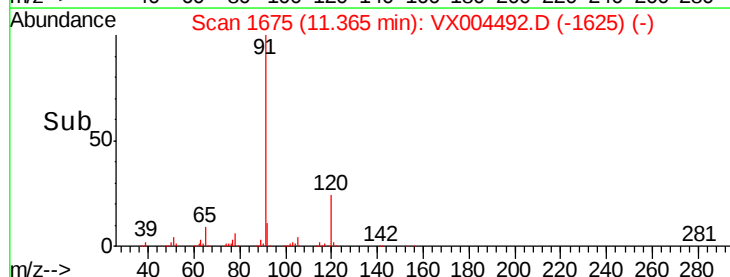
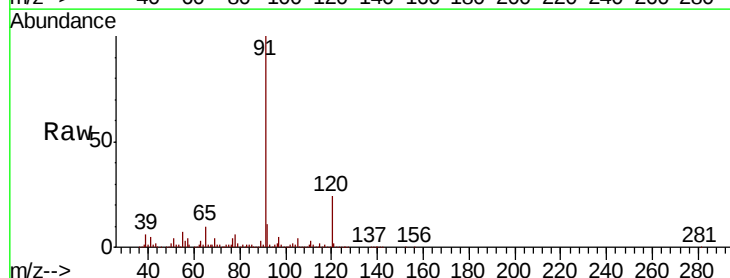
Acq: 12 Sep 2018 14:07

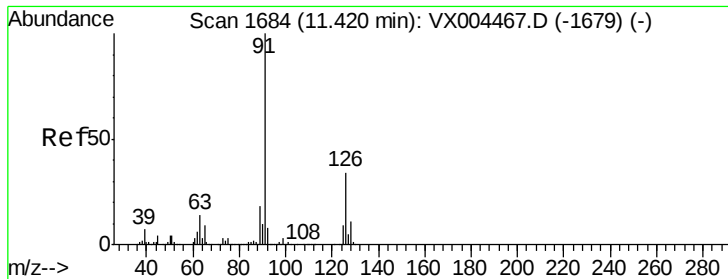
Tgt Ion: 91 Resp: 2114968

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.9





#79

2-Chlorotoluene

Concen: 230.79 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. -0.06 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

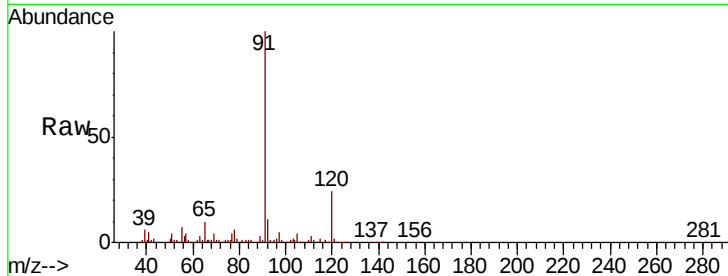
EP1-MW-A(6-8)

Tot Ion: 91 Resp: 2114968

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)

2000000

1500000

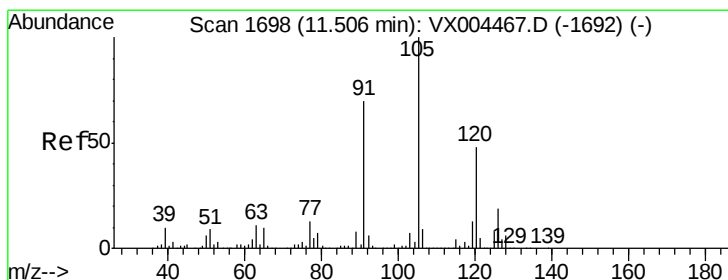
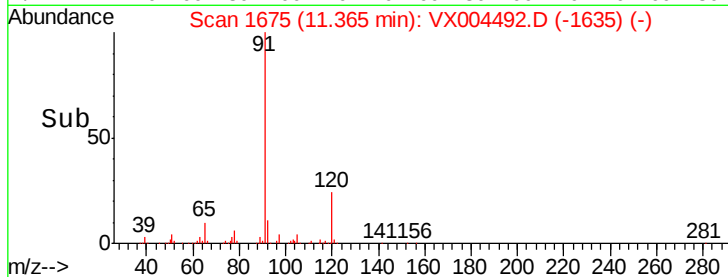
1000000

500000

0

11.30 11.40

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.57 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. -0.05 min

Lab File: VX004492.D

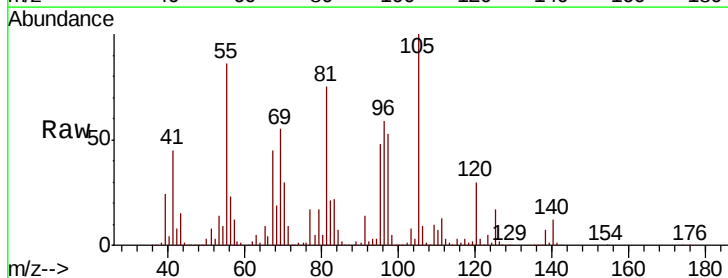
Acq: 12 Sep 2018 14:07

Tgt Ion:105 Resp: 503463

Ion Ratio Lower Upper

105 100

120 30.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)

500000

400000

300000

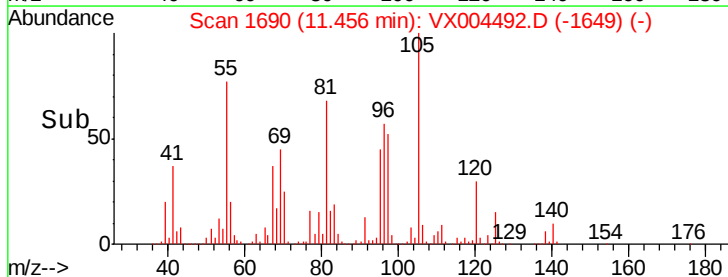
200000

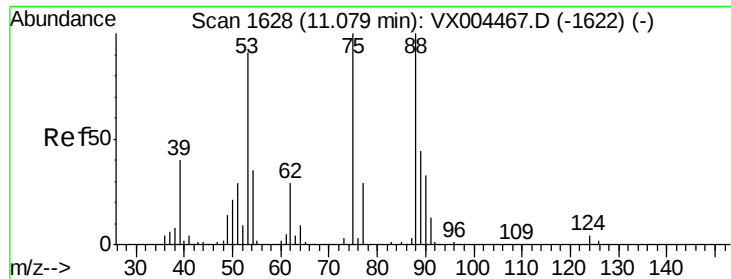
100000

0

11.40 11.45 11.50

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 6.30 ug/l

RT: 11.02 min Scan# 1619

Delta R.T. -0.06 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(6-8)

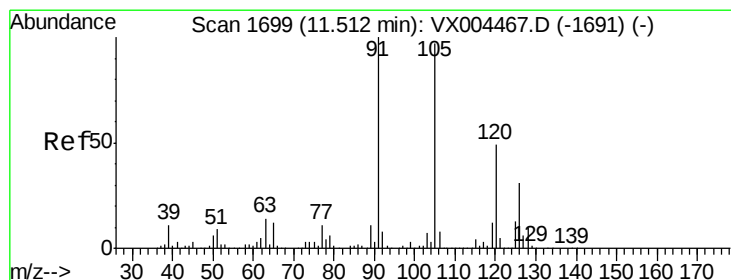
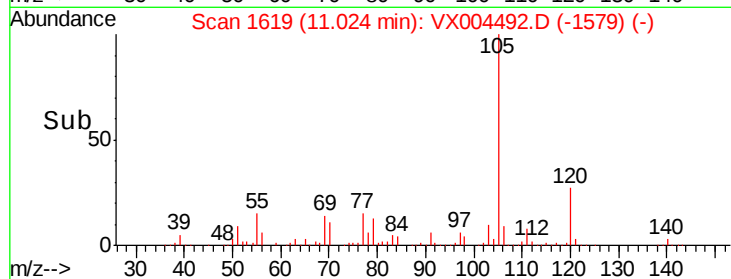
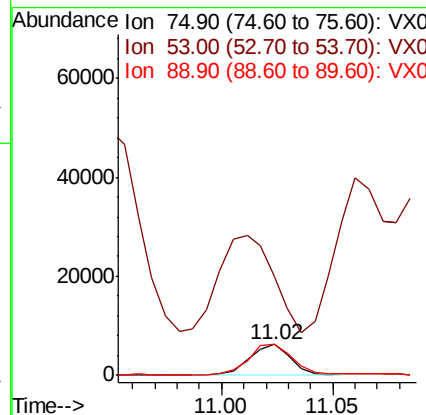
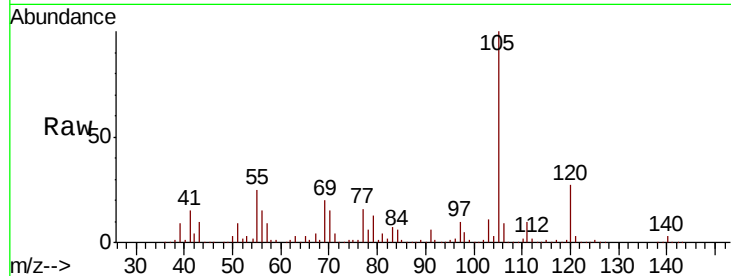
Tot Ion: 75 Resp: 7938

Ion Ratio Lower Upper

75 100

53 414.9 80.1 120.1#

89 108.7 37.2 55.8#



#82

4-Chlorotoluene

Concen: 9.67 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.26 min

Lab File: VX004492.D

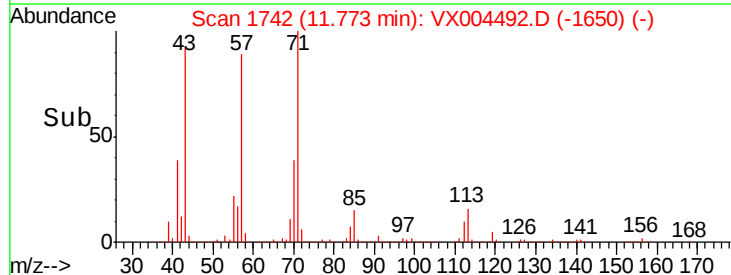
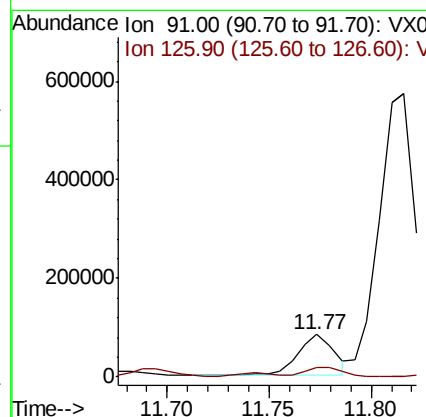
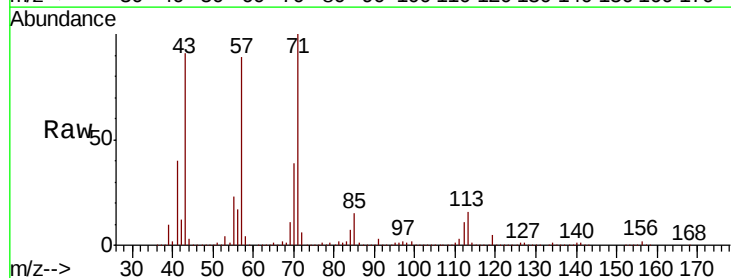
Acq: 12 Sep 2018 14:07

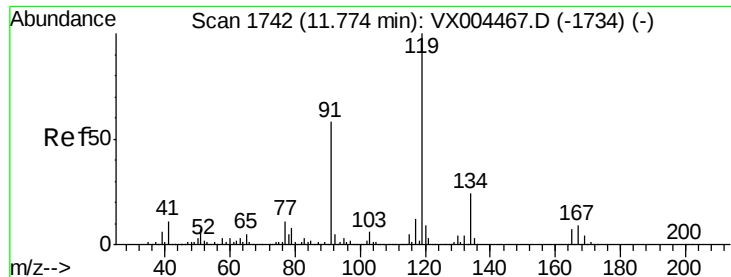
Tgt Ion: 91 Resp: 103379

Ion Ratio Lower Upper

91 100

126 15.8 15.5 46.5

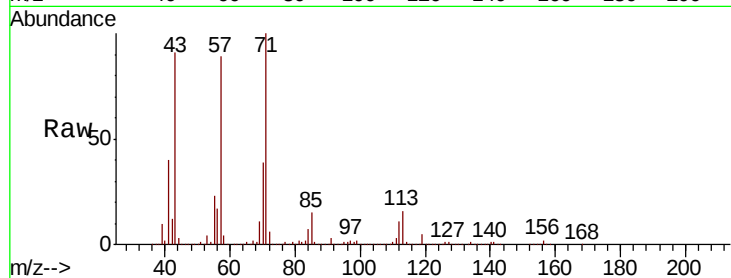




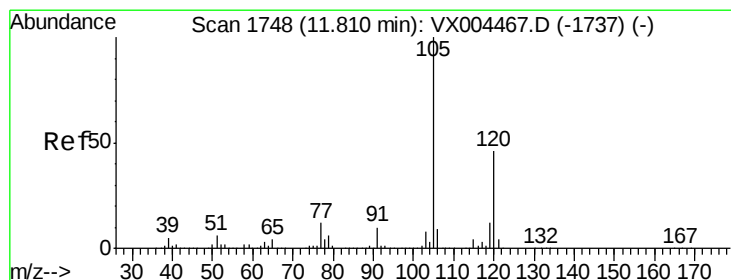
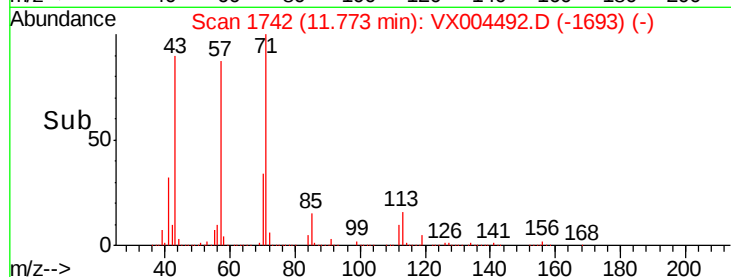
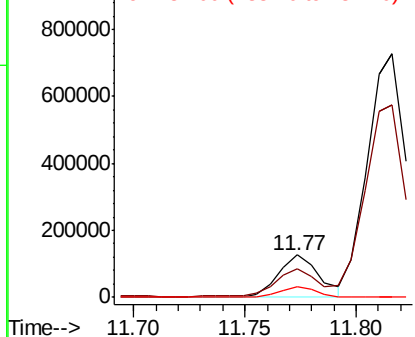
#83
 tert-Butylbenzene
 Concen: 15.29 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004492.D
 Acq: 12 Sep 2018 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(6-8)

Tot Ion:119 Resp: 160833
 Ion Ratio Lower Upper
 119 100
 91 64.3 27.0 81.0
 134 23.4 11.7 35.1

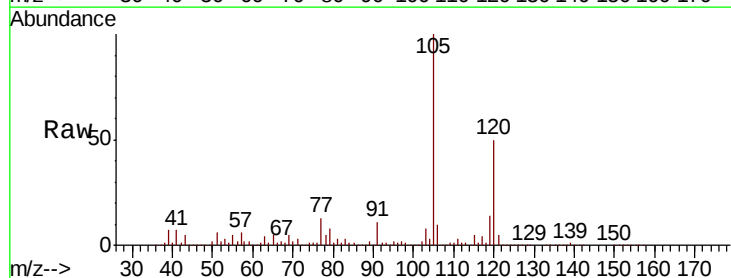


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

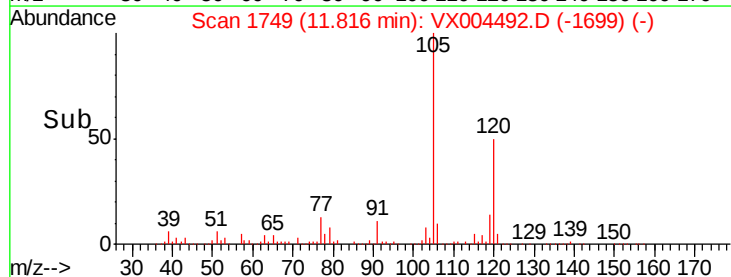
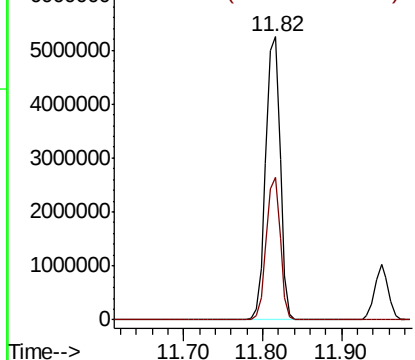


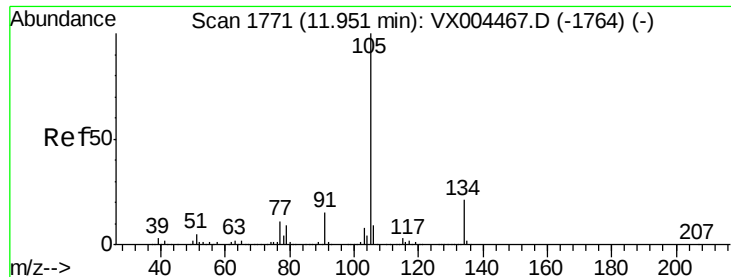
#84
 1,2,4-Trimethylbenzene
 Concen: 591.42 ug/l
 RT: 11.82 min Scan# 1749
 Delta R.T. 0.01 min
 Lab File: VX004492.D
 Acq: 12 Sep 2018 14:07

Tgt Ion:105 Resp: 6670736
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 92.94 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampled :

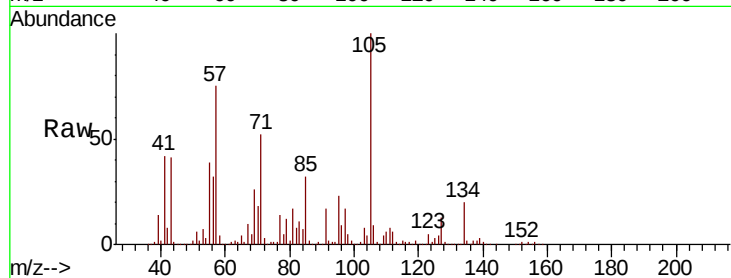
EP1-MW-A(6-8)

Tot Ion:105 Resp: 1245649

Ion Ratio Lower Upper

105 100

134 18.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

3000000

2000000

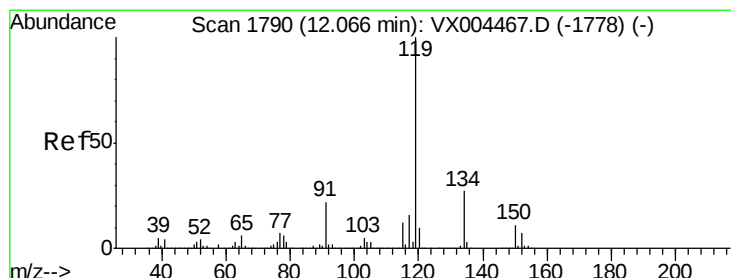
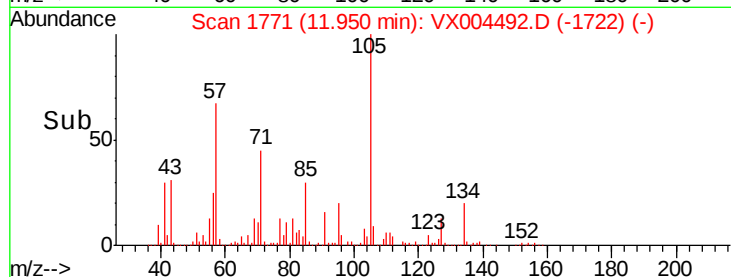
1000000

0

11.95

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 32.64 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

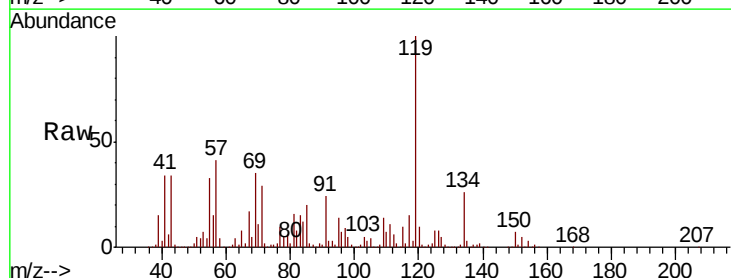
Tgt Ion:119 Resp: 386300

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 21.4 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

200000

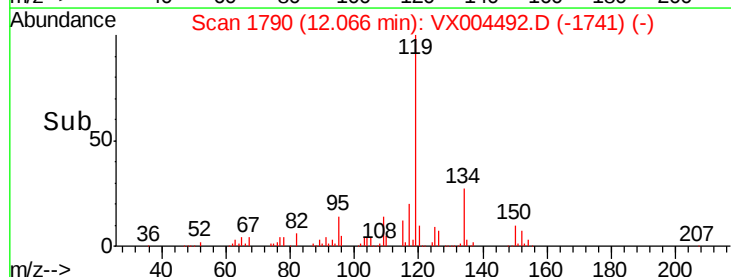
100000

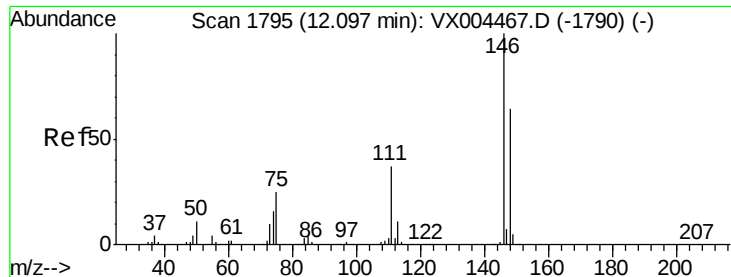
0

12.07

Time-->

12.00 12.10

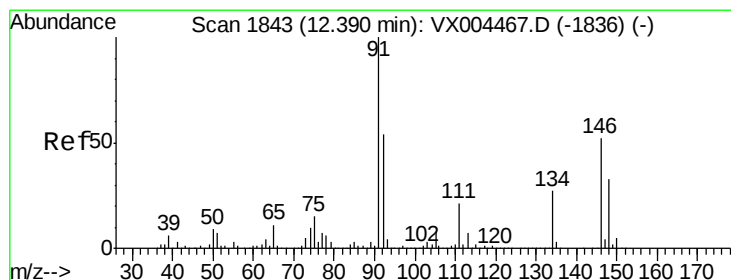
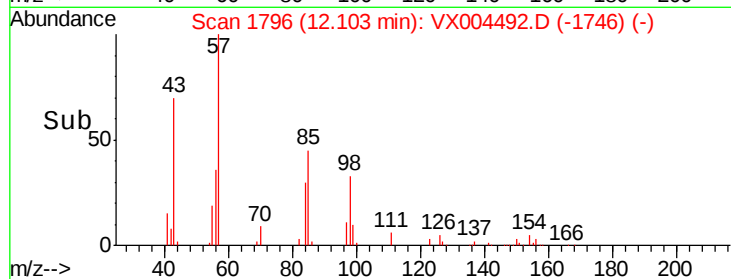
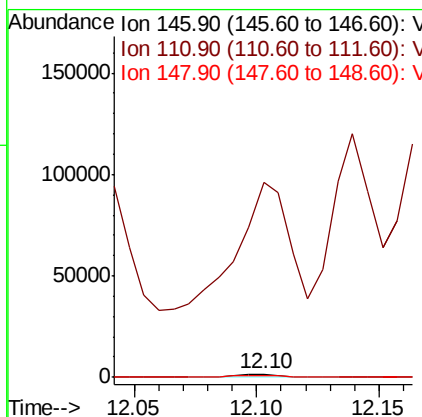
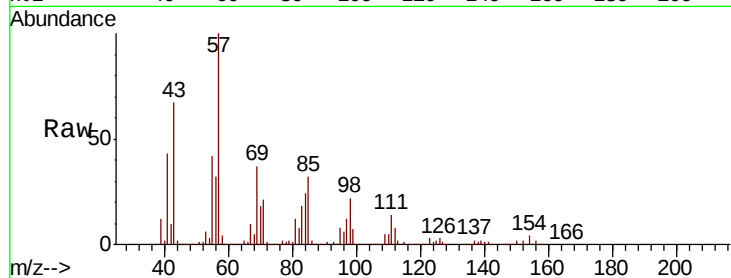




#88
 1,4-Dichlorobenzene
 Concen: 0.27 ug/l
 RT: 12.10 min Scan# 1796
 Delta R.T. 0.01 min
 Lab File: VX004492.D
 Acq: 12 Sep 2018 14:07

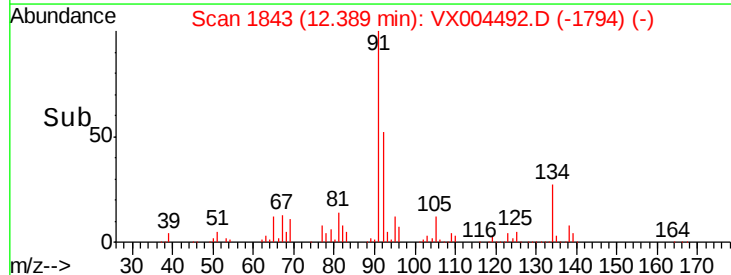
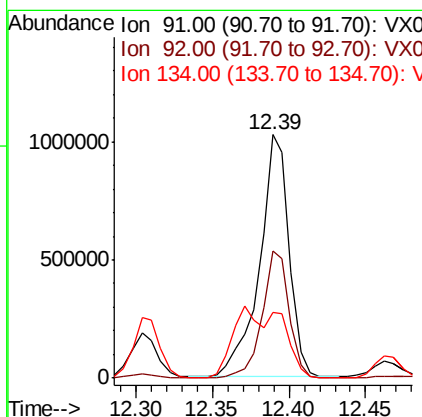
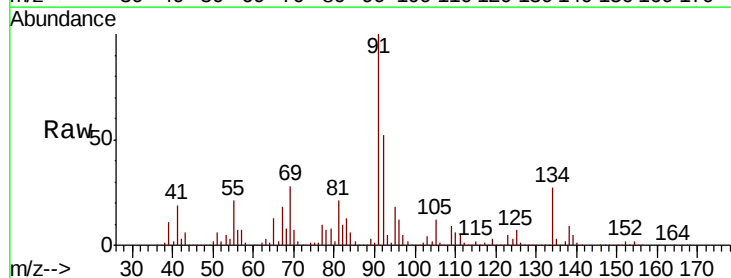
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(6-8)

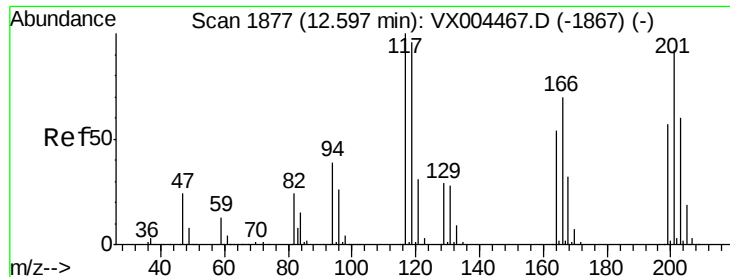
Tot Ion:146 Resp: 1858
 Ion Ratio Lower Upper
 146 100
 111 5186.1 18.1 54.1#
 148 103.1 32.0 96.0#



#89
 n-Butylbenzene
 Concen: 128.85 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004492.D
 Acq: 12 Sep 2018 14:07

Tgt Ion: 91 Resp: 1389655
 Ion Ratio Lower Upper
 91 100
 92 47.7 27.3 81.9
 134 28.8 13.6 40.7





#90

Hexachloroethane

Concen: 74.93 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

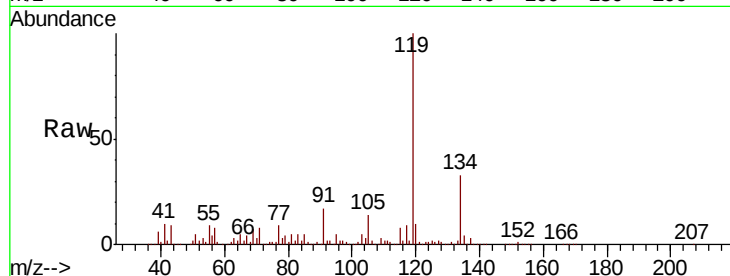
EP1-MW-A(6-8)

Tot Ion:117 Resp: 141966

Ion Ratio Lower Upper

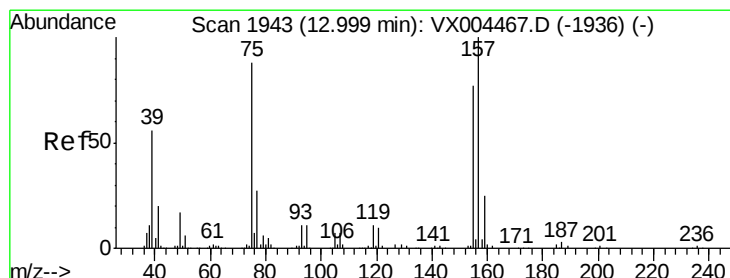
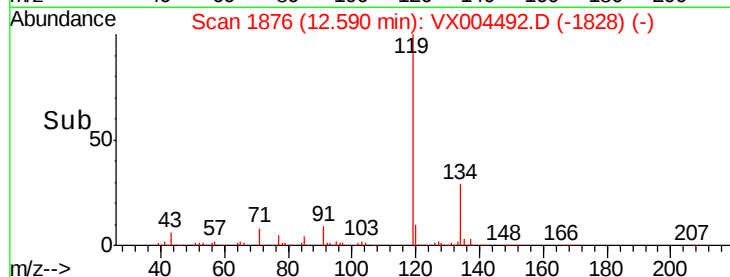
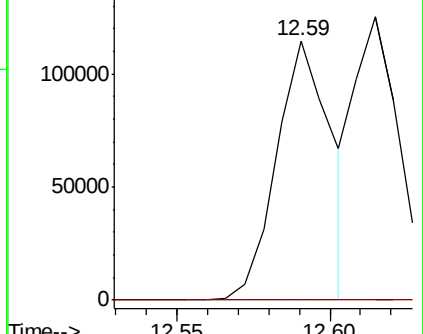
117 100

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: 9.32 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

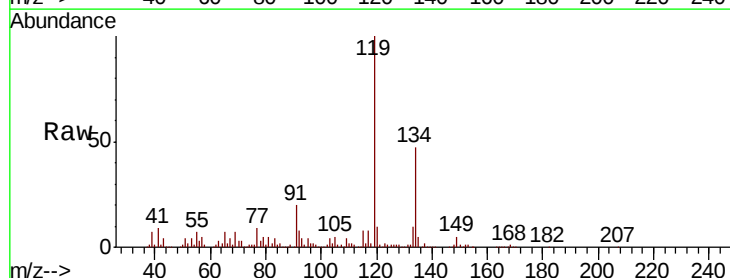
Tgt Ion: 75 Resp: 8432

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

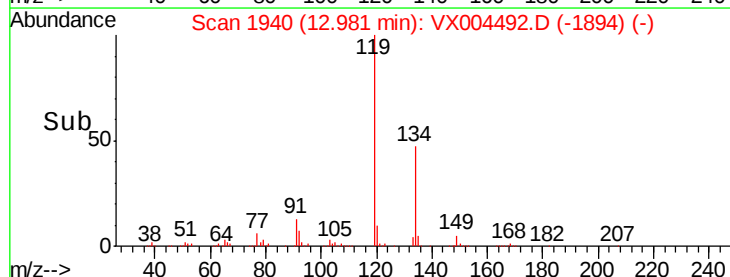
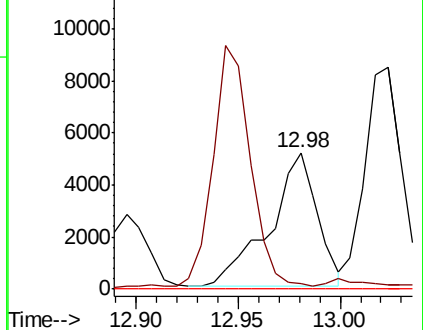
157 0.0 61.4 184.1#

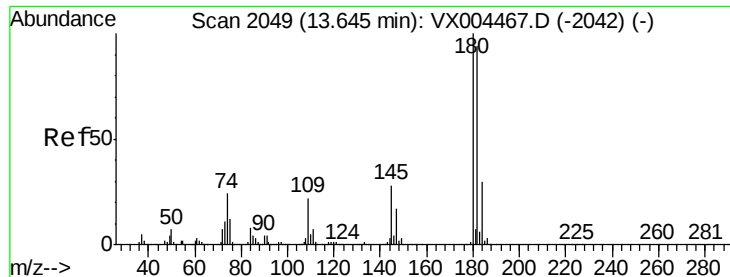


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

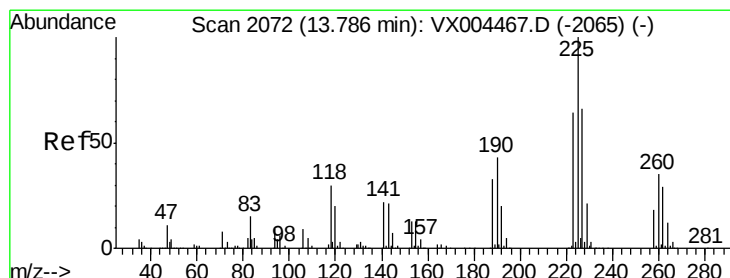
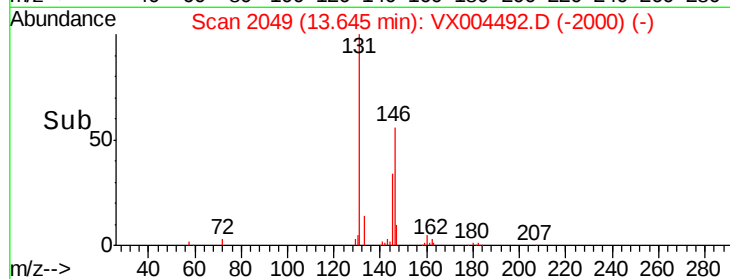
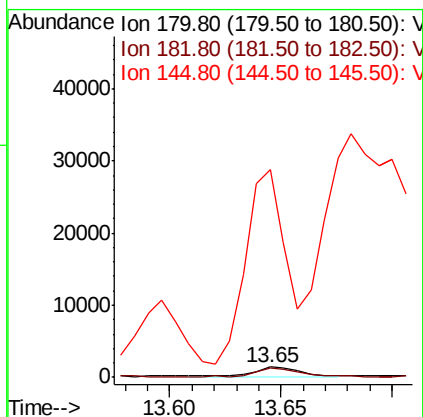
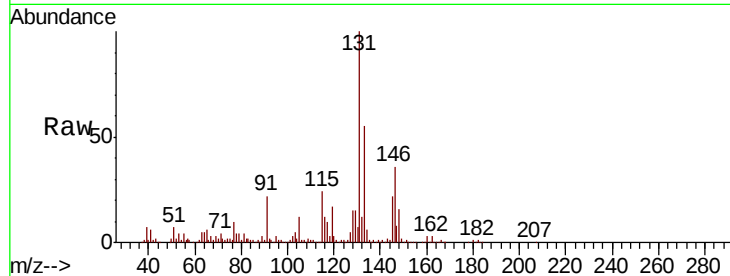




#93
 1,2,4-Trichlorobenzene
 Concen: 0.36 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004492.D
 Acq: 12 Sep 2018 14:07

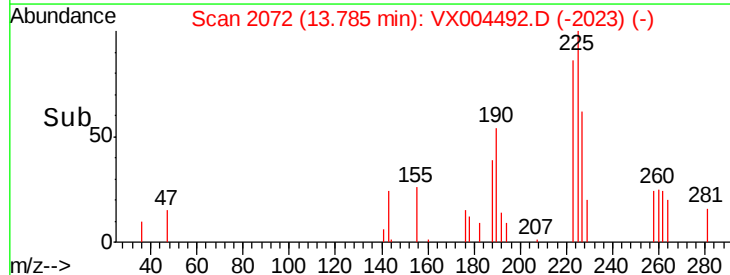
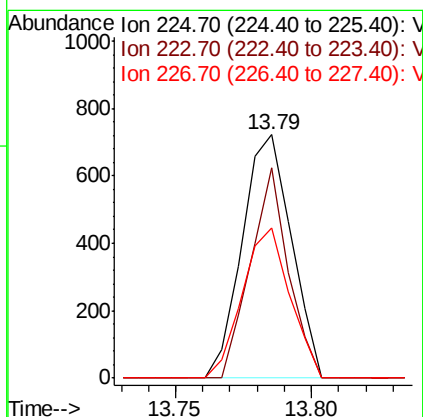
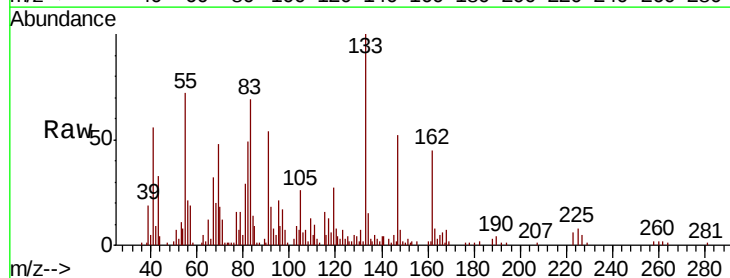
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(6-8)

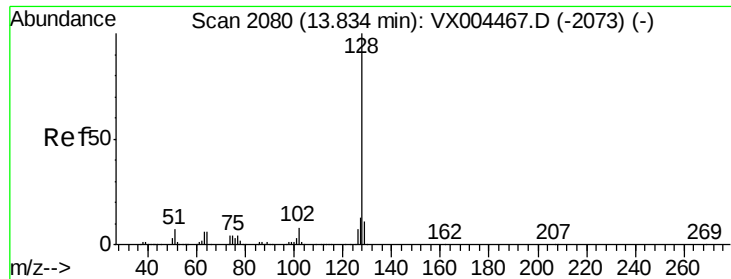
Tot Ion:180 Resp: 1766
 Ion Ratio Lower Upper
 180 100
 182 102.5 48.4 145.0
 145 2097.7 14.3 42.9#



#94
 Hexachlorobutadiene
 Concen: 0.36 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004492.D
 Acq: 12 Sep 2018 14:07

Tgt Ion:225 Resp: 904
 Ion Ratio Lower Upper
 225 100
 223 66.6 30.1 90.5
 227 59.5 30.8 92.4





#95

Naphthalene

Concen: 0.42 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(6-8)

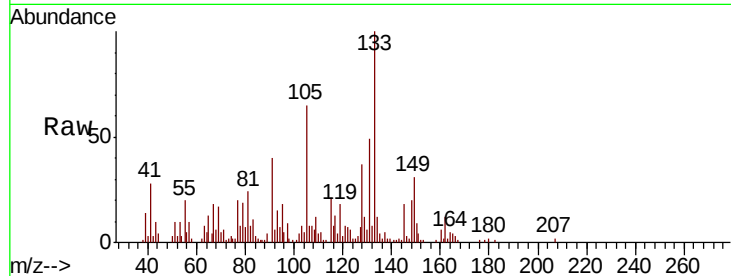
Tot Ion:128 Resp: 5735

Ion Ratio Lower Upper

128 100

127 15.7 10.2 15.2#

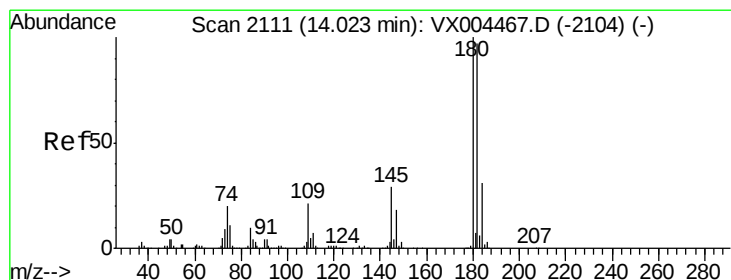
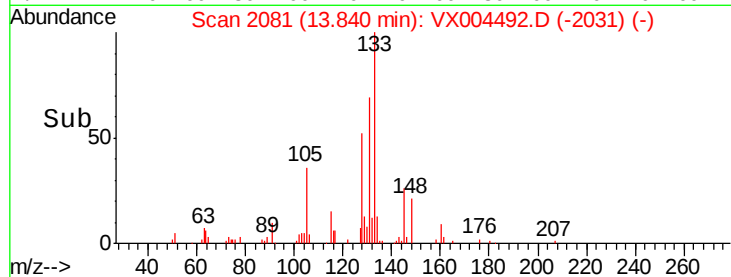
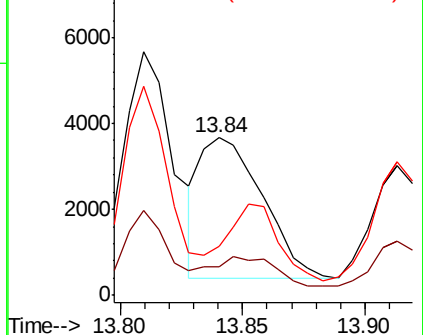
129 45.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.25 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004492.D

Acq: 12 Sep 2018 14:07

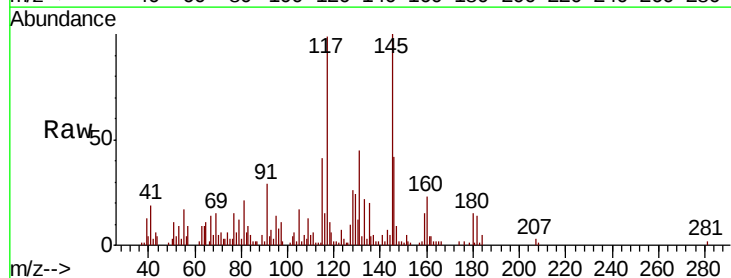
Tgt Ion:180 Resp: 1228

Ion Ratio Lower Upper

180 100

182 107.3 48.5 145.6

145 1045.8 14.9 44.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

