

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004489.D
 Acq On : 12 Sep 2018 12:46
 Operator : JC/MD
 Sample : J4848-02
 Misc : 2.00µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(8-12)

Quant Time: Sep 13 00:59:53 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	176751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279121	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	234359	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	124213	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	5.51	113	106775	41.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.60%	
50) Toluene-d8	8.72	98	452196	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	11.12	95	534214	174.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	349.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	978	0.43	ug/l #	53
5) Bromomethane	1.63	94	1936	0.81	ug/l	90
10) Methyl Iodide	2.48	142	2145	5.09	ug/l	98
11) Tert butyl alcohol	3.03	59	3632	6.68	ug/l #	72
13) Acrolein	2.31	56	343	1.60	ug/l #	38
16) Acetone	2.48	43	1586	1.43	ug/l	99
17) Carbon Disulfide	2.53	76	1873	0.35	ug/l #	93
18) Methyl Acetate	2.79	43	6377	2.04	ug/l #	77
20) Methylene Chloride	2.84	84	1382	0.61	ug/l #	89
25) 2-Butanone	4.75	43	826	0.47	ug/l #	47
29) Tetrahydrofuran	5.21	42	996	0.93	ug/l #	42
31) Cyclohexane	5.56	56	5107	1.55	ug/l	98
36) 1,1-Dichloropropene	5.66	75	12063	3.56	ug/l #	48
38) Carbon Tetrachloride	5.65	117	15660	4.73	ug/l #	16
39) Methylcyclohexane	7.45	83	71178	20.13	ug/l	89
43) Isopropyl Acetate	6.43	43	1238	0.24	ug/l #	59
45) 1,2-Dichloropropane	7.45	63	1096	0.45	ug/l #	1
47) Bromodichloromethane	7.84	83	1781	0.62	ug/l #	1
48) Methyl methacrylate	7.73	41	3830	1.51	ug/l #	59
51) 4-Methyl-2-Pentanone	8.66	43	35449	9.81	ug/l #	40
55) 1,1,2-Trichloroethane	9.16	97	120182	47.12	ug/l #	20
56) Ethyl methacrylate	9.16	69	26672	7.39	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.34	63	126	7.34	ug/l #	45
59) 2-Hexanone	9.44	43	421145	151.99	ug/l #	26
61) 1,2-Dibromoethane	9.68	107	722	0.30	ug/l #	1
65) Chlorobenzene	10.24	112	39094	5.17	ug/l #	40
67) Ethyl Benzene	10.24	91	9718	0.79	ug/l #	55
68) m/p-Xylenes	10.37	106	1435	0.30	ug/l #	1
69) o-Xylene	10.71	106	943	0.21	ug/l #	1
73) Isopropylbenzene	11.03	105	1795801	116.35	ug/l	100
74) N-amyl acetate	10.92	43	2883955	443.92	ug/l #	1
75) 1,1,1,2,2-Tetrachloroethane	11.29	83	1481778	297.63	ug/l #	25
76) 1,2,3-Trichloropropane	11.15	75	83225	17.65	ug/l	97
78) n-propylbenzene	11.37	91	5480673	308.83	ug/l	99

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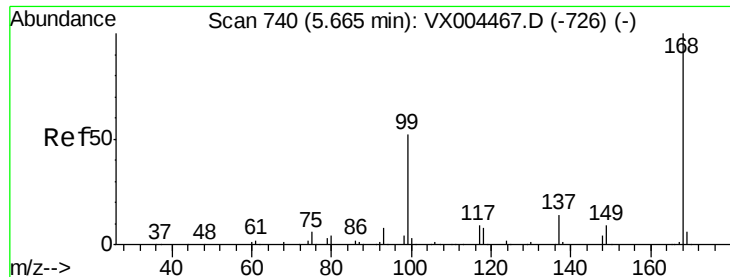
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(8-12)

Quant Time: Sep 13 00:59:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

79) 2-Chlorotoluene	11.37	91	5480673	509.20	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.37	105	214052	16.50	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.03	75	19584	13.24	ug/l #	1
82) 4-Chlorotoluene	11.37	91	5480673	436.28	ug/l #	44
83) tert-Butylbenzene	11.78	119	351049	28.42	ug/l	74
84) 1,2,4-Trimethylbenzene	11.96	105	2848172	214.99	ug/l #	30
85) sec-Butylbenzene	11.96	105	2848172	180.93	ug/l	94
86) p-Isopropyltoluene	12.24	119	647489	46.58	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	1842	0.22	ug/l #	1
89) n-Butylbenzene	12.40	91	1913747	151.08	ug/l	88
90) Hexachloroethane	12.68	117	310133	139.36	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.98	75	12215	11.49	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1825	0.32	ug/l #	1
94) Hexachlorobutadiene	13.79	225	999	0.34	ug/l	99
95) Naphthalene	13.81	128	15219	0.95	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.02	180	2059	0.35	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

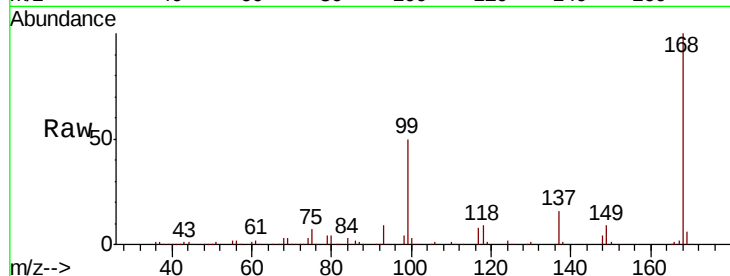
EP1-MW-A(8-12)

Tot Ion:168 Resp: 176751

Ion Ratio Lower Upper

168 100

99 50.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

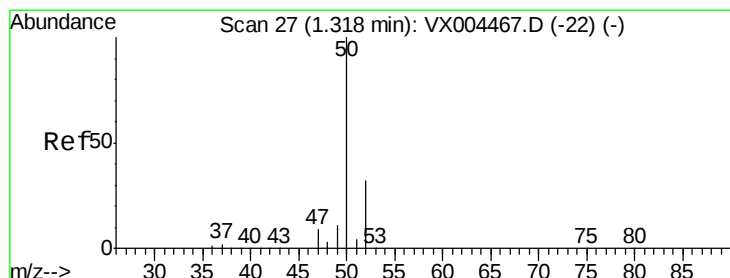
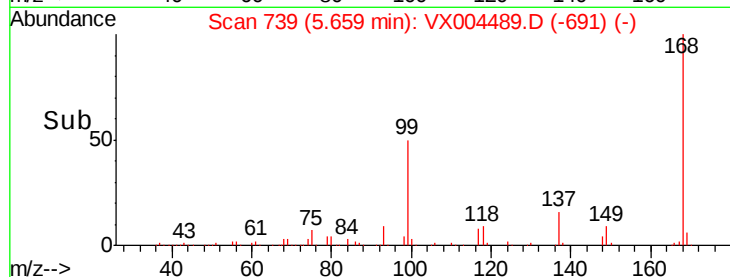
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.43 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX004489.D

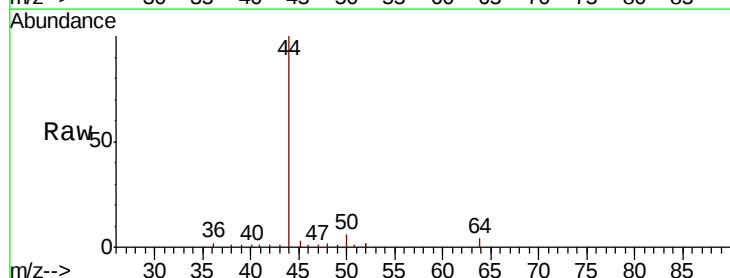
Acq: 12 Sep 2018 12:46

Tgt Ion: 50 Resp: 978

Ion Ratio Lower Upper

50 100

52 59.1 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

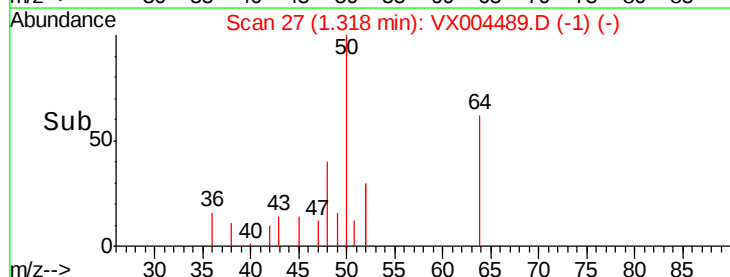
600

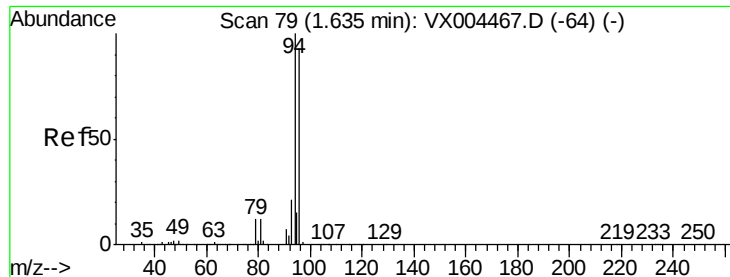
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.81 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

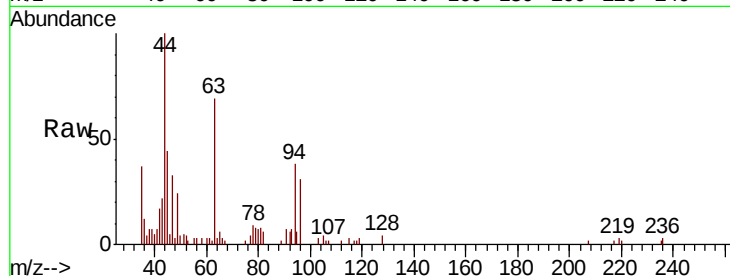
EP1-MW-A(8-12)

Tot Ion: 94 Resp: 1936

Ion Ratio Lower Upper

94 100

96 83.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

1000

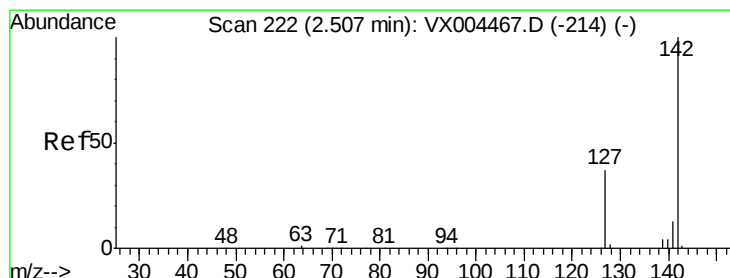
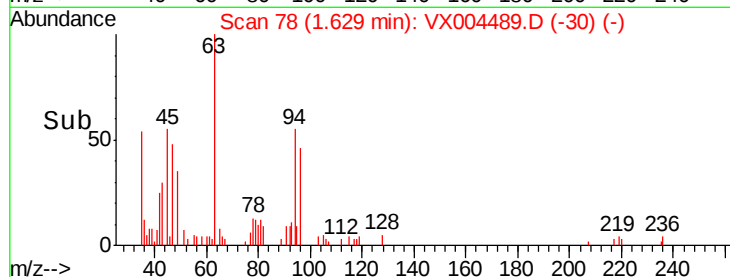
500

0

Time-->

1.55 1.60 1.65

1.63



#10

Methyl Iodide

Concen: 5.09 ug/l

RT: 2.48 min Scan# 218

Delta R.T. -0.02 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

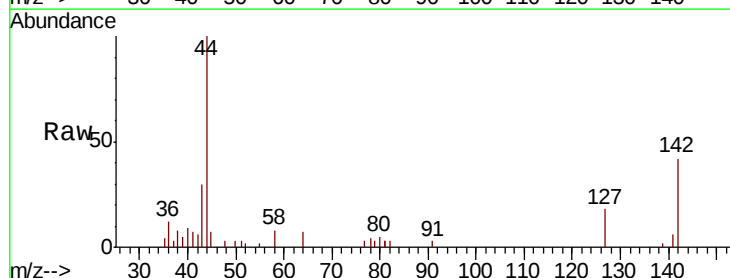
Tgt Ion: 142 Resp: 2145

Ion Ratio Lower Upper

142 100

127 43.5 33.8 50.6

141 14.6 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

1200

1000

800

600

400

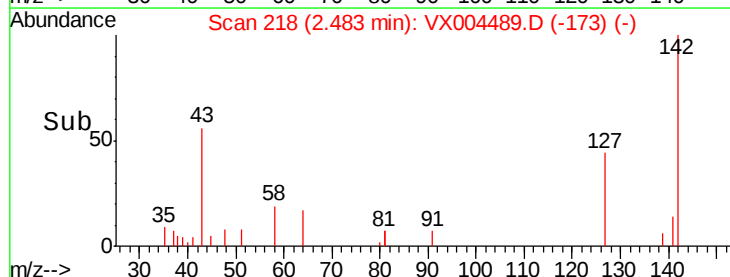
200

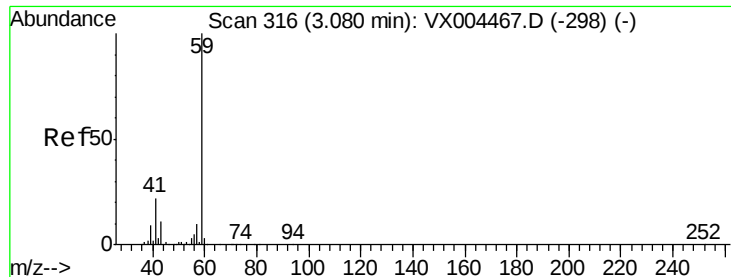
0

Time-->

2.40 2.45 2.50 2.55

2.48

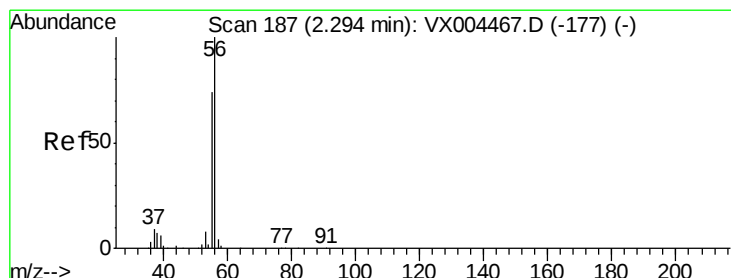
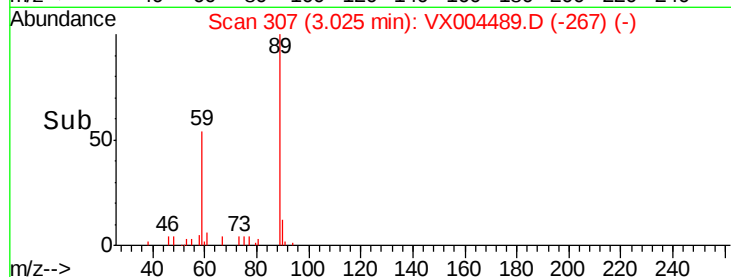
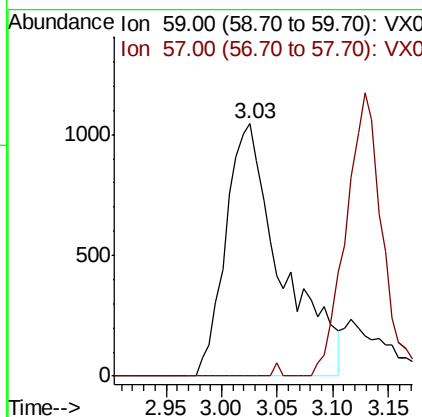
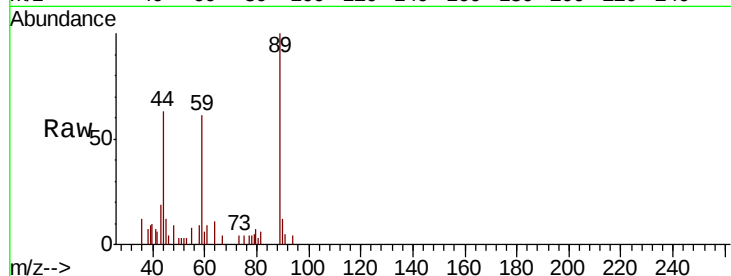




#11
Tert butyl alcohol
Concen: 6.68 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

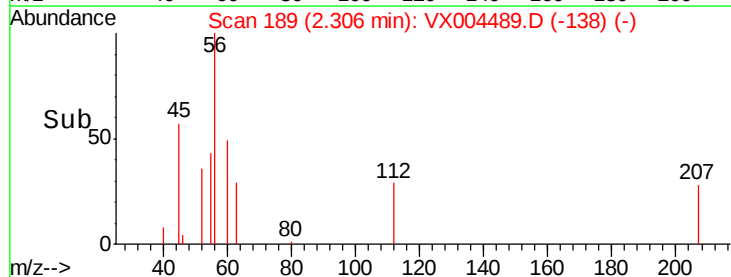
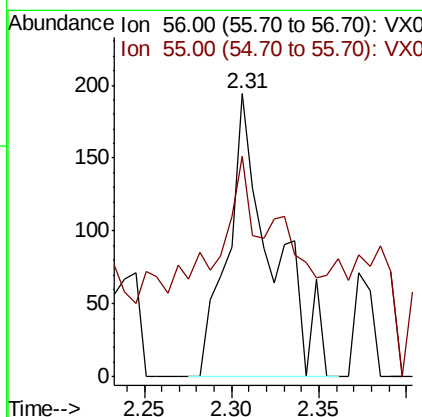
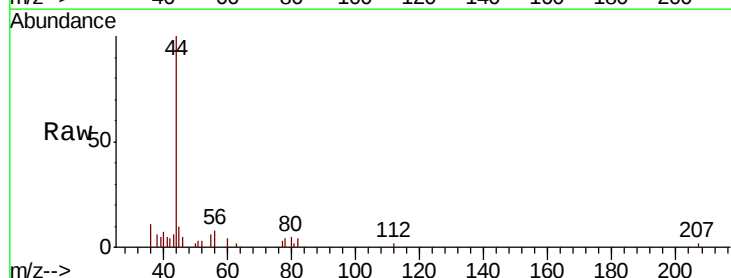
Instrument :
MSVOA_X
ClientSampled :
EP1-MW-A(8-12)

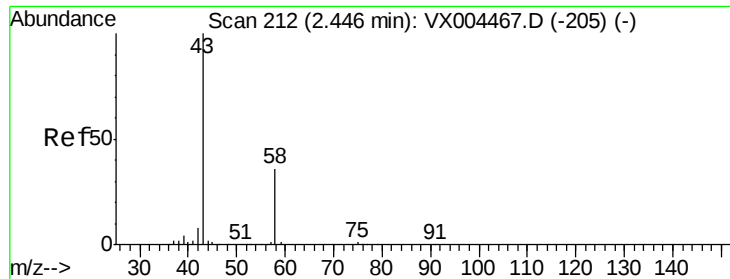
Tot Ion: 59 Resp: 3632
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 1.60 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Tgt Ion: 56 Resp: 343
Ion Ratio Lower Upper
56 100
55 18.4 54.7 82.1#





#16

Acetone

Concen: 1.43 ug/l

RT: 2.48 min Scan# 218

Delta R.T. 0.04 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

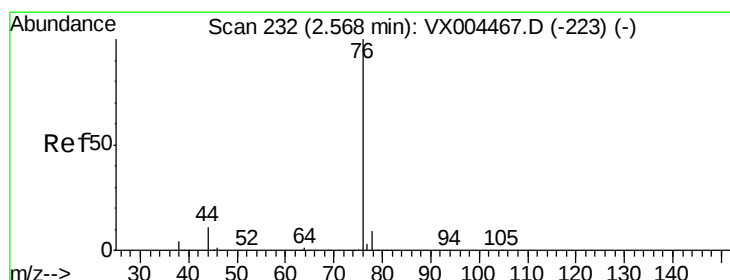
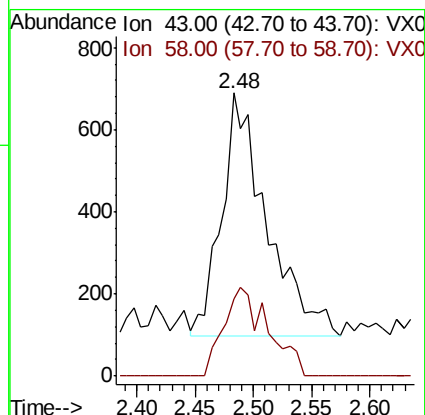
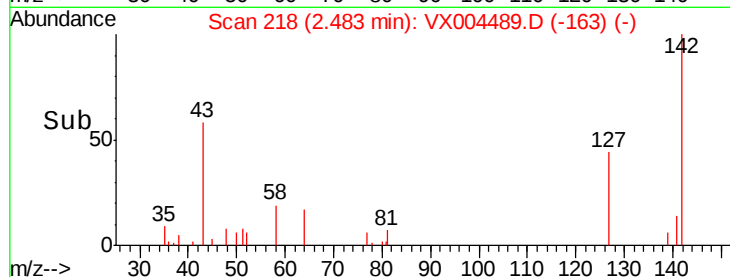
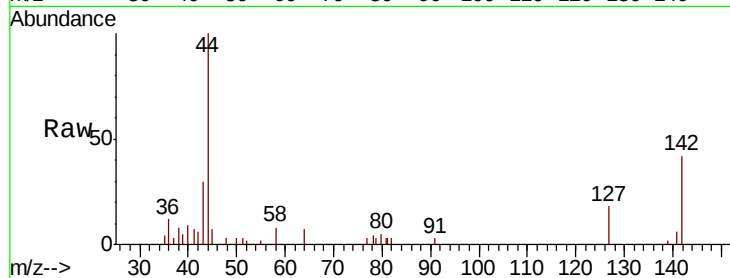
EP1-MW-A(8-12)

Tot Ion: 43 Resp: 1586

Ion Ratio Lower Upper

43 100

58 32.0 26.2 39.4



#17

Carbon Disulfide

Concen: 0.35 ug/l

RT: 2.53 min Scan# 225

Delta R.T. -0.04 min

Lab File: VX004489.D

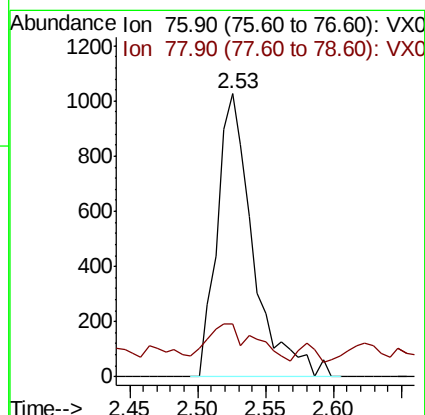
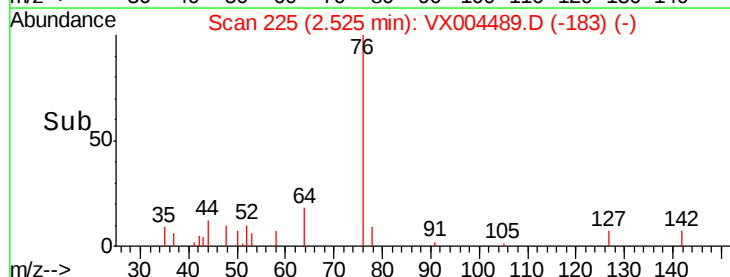
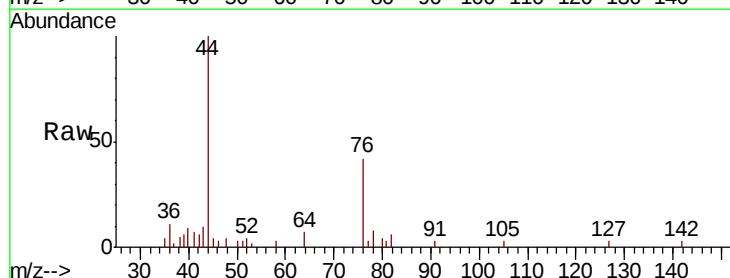
Acq: 12 Sep 2018 12:46

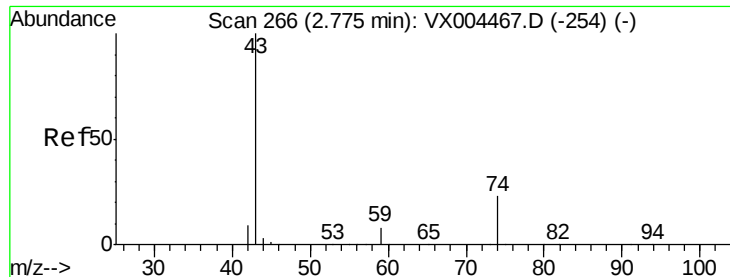
Tgt Ion: 76 Resp: 1873

Ion Ratio Lower Upper

76 100

78 11.4 7.0 10.6#





#18

Methyl Acetate

Concen: 2.04 ug/l

RT: 2.79 min Scan# 269

Delta R.T. 0.02 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

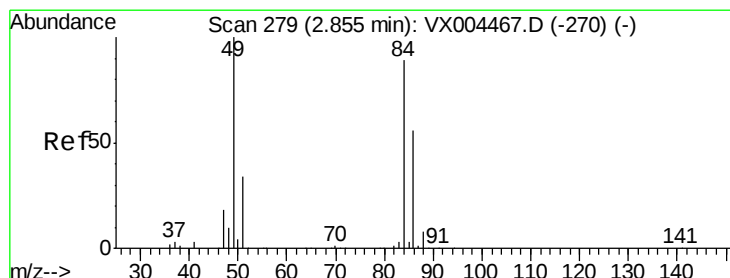
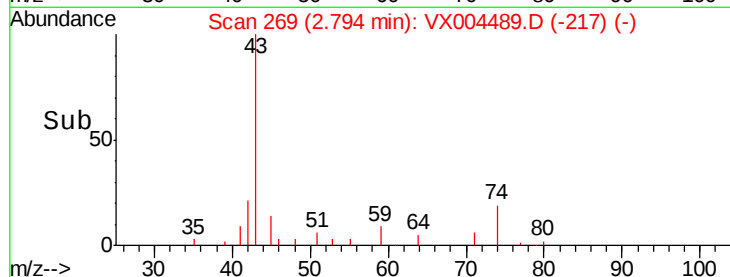
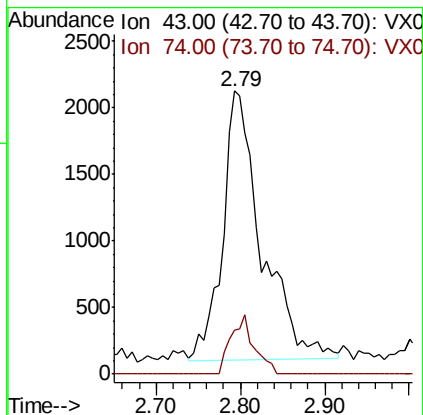
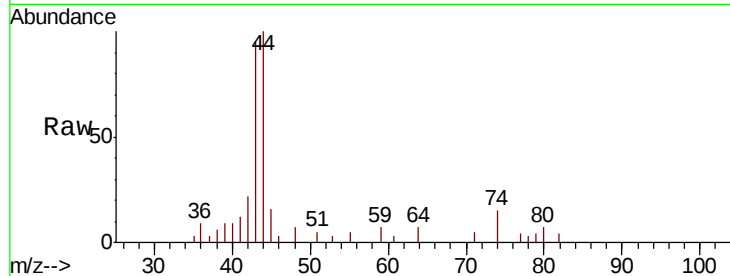
EP1-MW-A(8-12)

Tot Ion: 43 Resp: 6377

Ion Ratio Lower Upper

43 100

74 13.0 19.4 29.2#



#20

Methylene Chloride

Concen: 0.61 ug/l

RT: 2.84 min Scan# 277

Delta R.T. -0.01 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Tgt Ion: 84 Resp: 1382

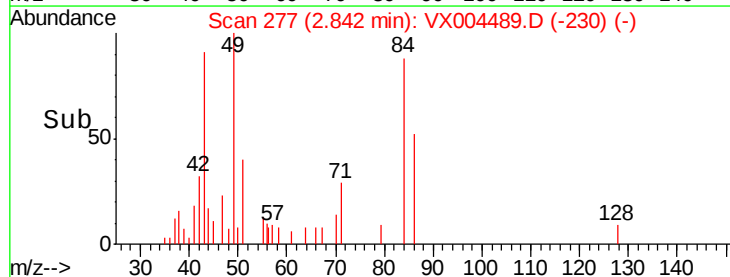
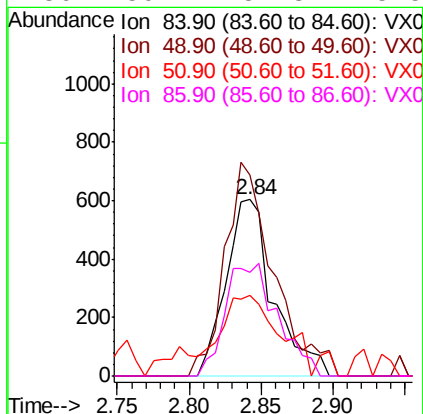
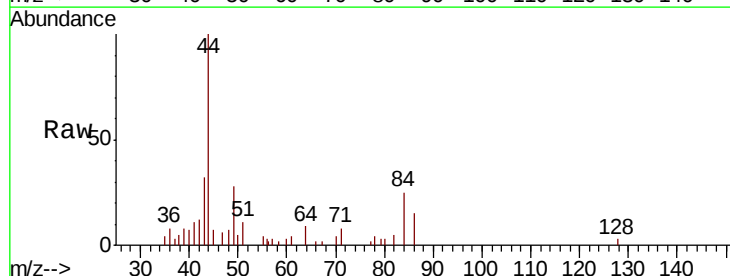
Ion Ratio Lower Upper

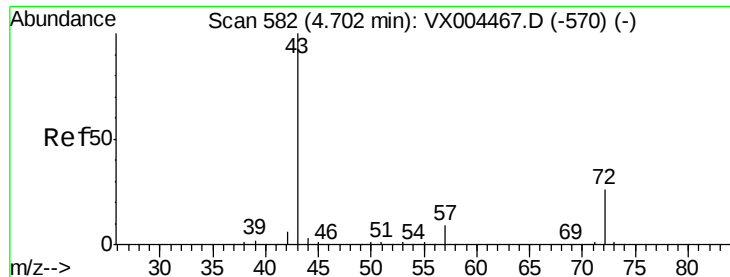
84 100

49 113.8 101.2 151.8

51 45.9 29.5 44.3#

86 59.2 52.3 78.5





#25

2-Butanone

Concen: 0.47 ug/l

RT: 4.75 min Scan# 590

Delta R.T. 0.05 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

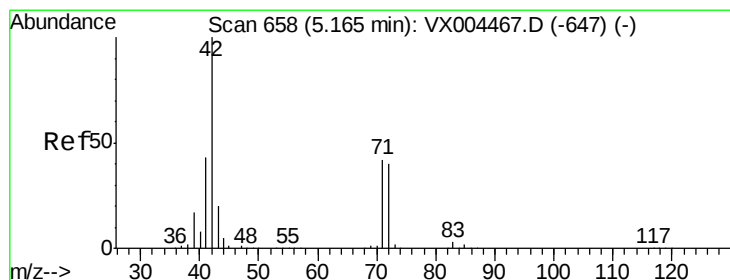
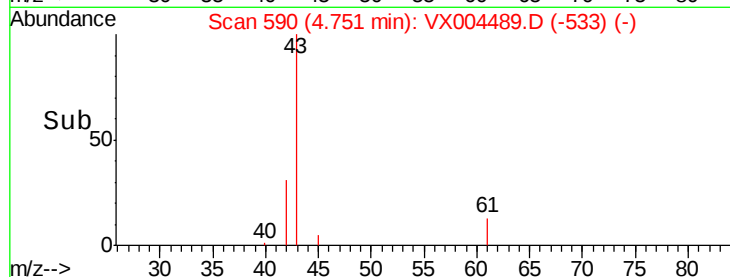
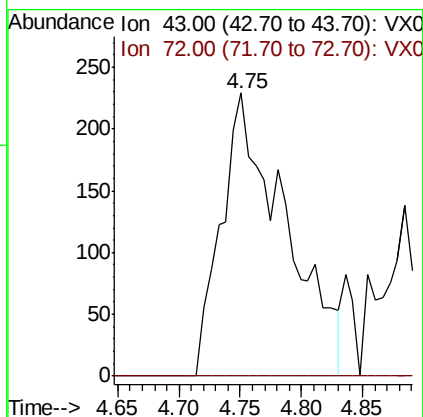
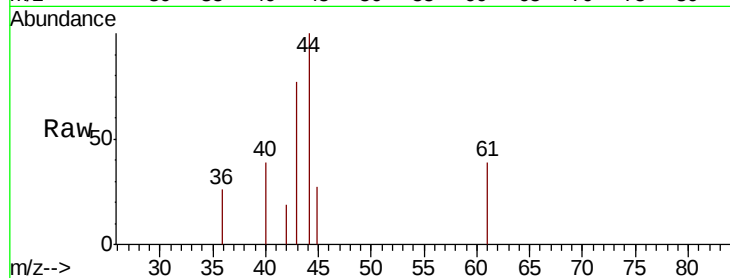
EP1-MW-A(8-12)

Tot Ion: 43 Resp: 826

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#29

Tetrahydrofuran

Concen: 0.93 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.04 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

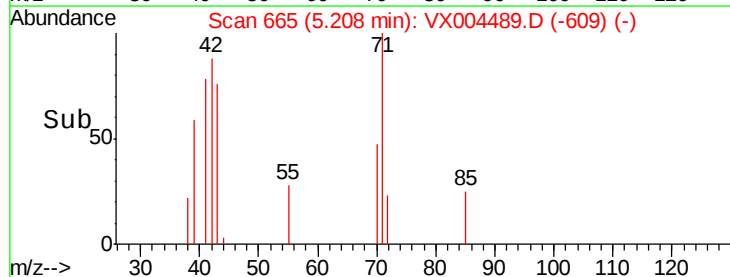
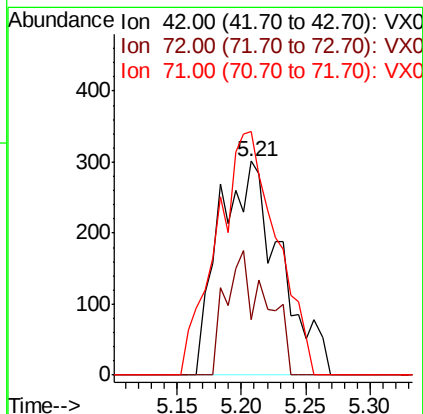
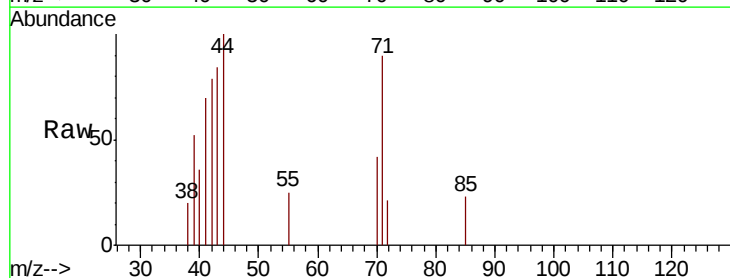
Tgt Ion: 42 Resp: 996

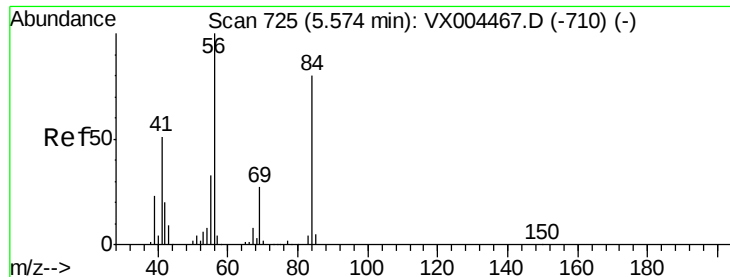
Ion Ratio Lower Upper

42 100

72 38.5 37.4 56.0

71 111.7 34.5 51.7#

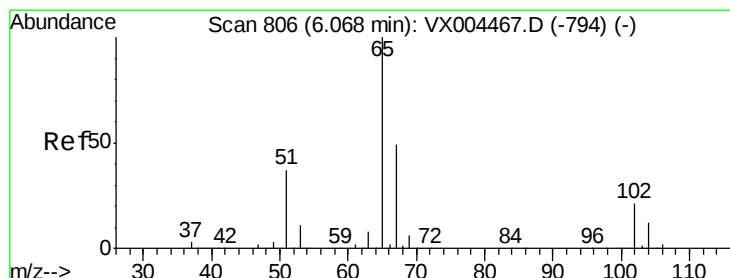
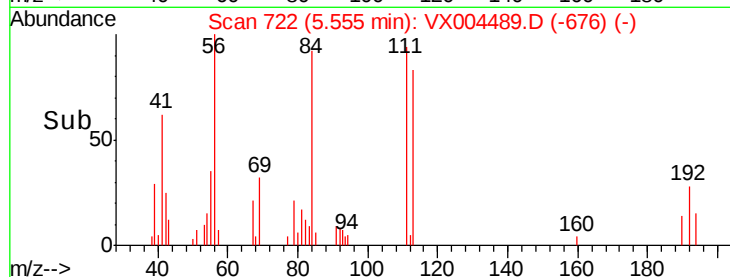
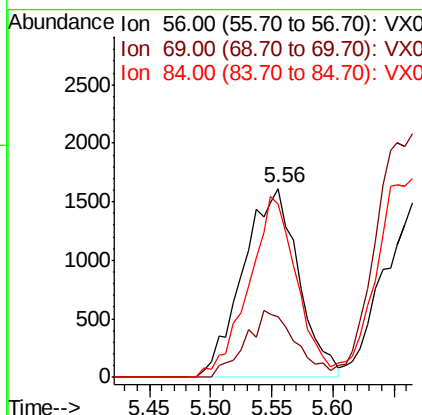
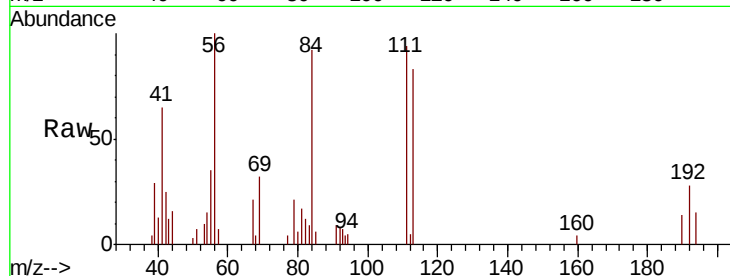




#31
Cyclohexane
Concen: 1.55 ug/l
RT: 5.56 min Scan# 722
Delta R.T. -0.02 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

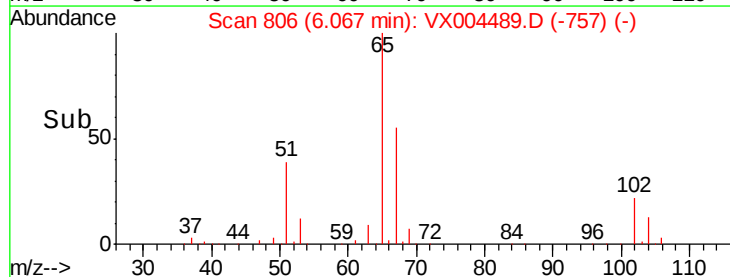
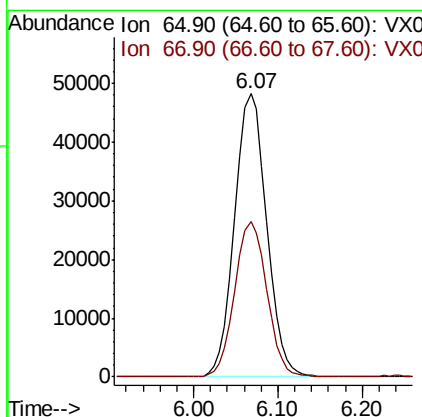
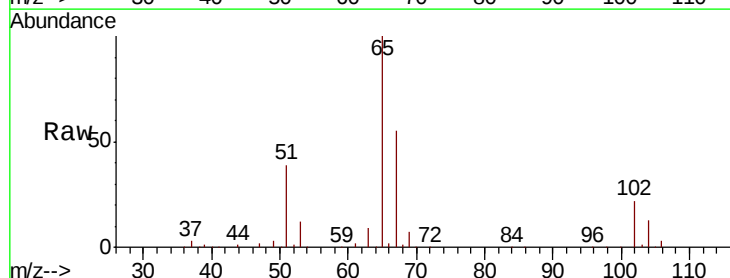
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(8-12)

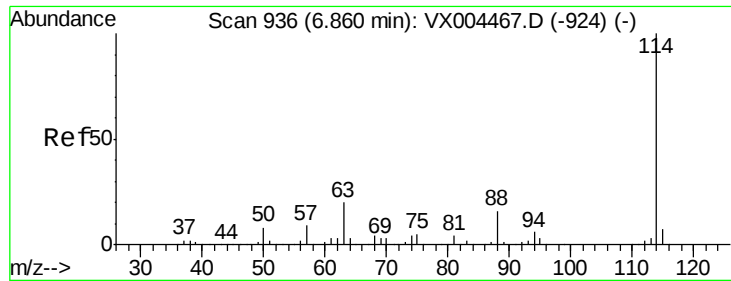
Tot Ion: 56 Resp: 5107
Ion Ratio Lower Upper
56 100
69 32.1 25.4 38.2
84 91.9 71.4 107.2



#33
1,2-Dichloroethane-d4
Concen: 54.50 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Tgt Ion: 65 Resp: 124213
Ion Ratio Lower Upper
65 100
67 54.9 0.0 106.8

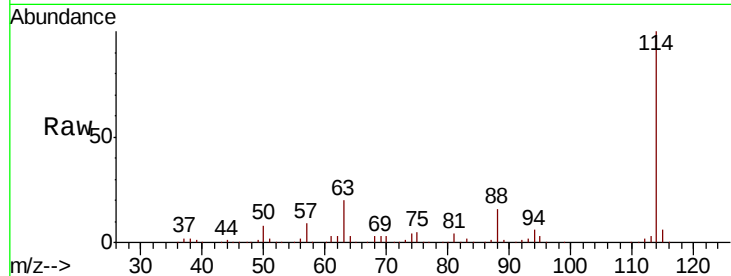




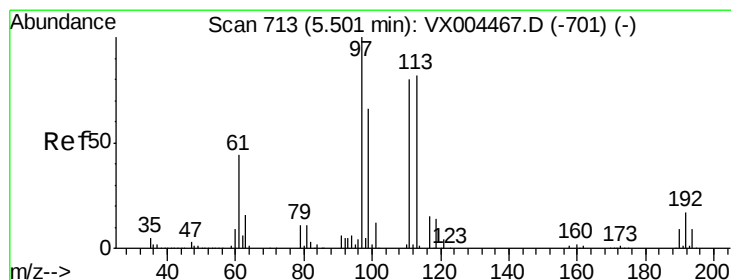
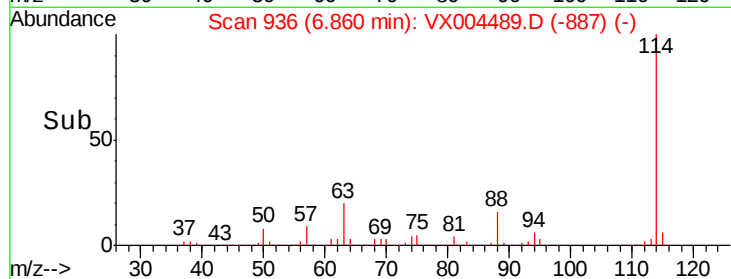
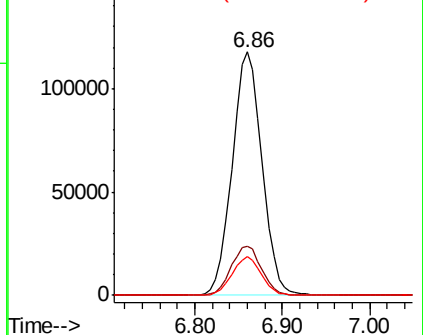
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(8-12)

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

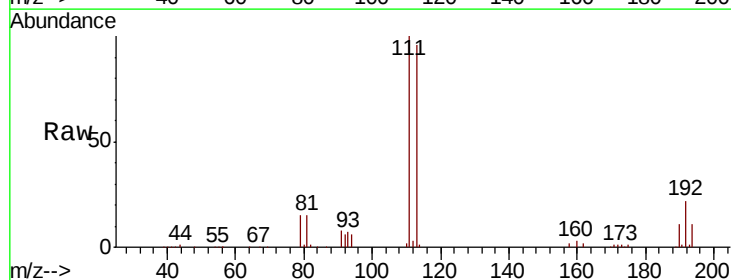


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

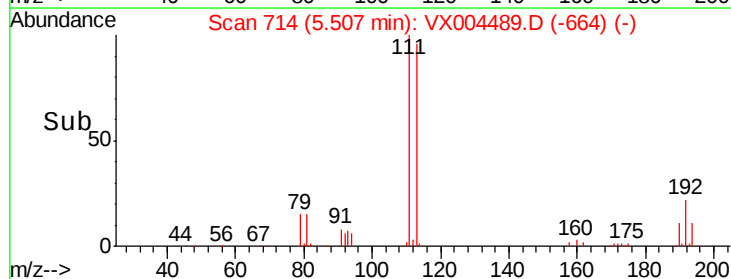
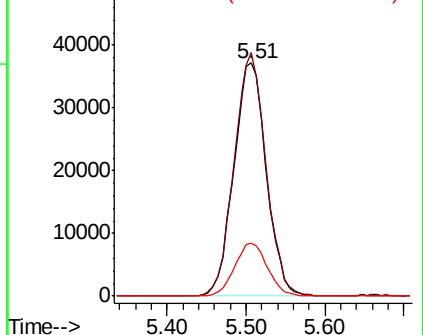


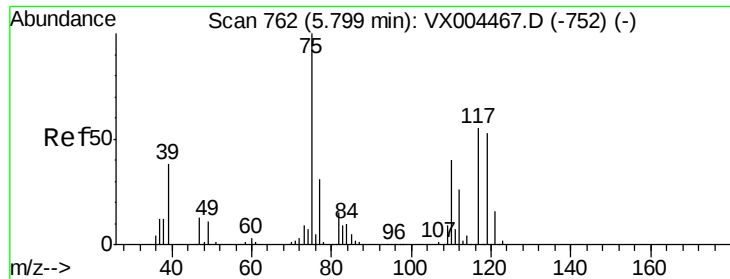
#35
 Dibromofluoromethane
 Concen: 41.80 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	22.7	19.4	29.2



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

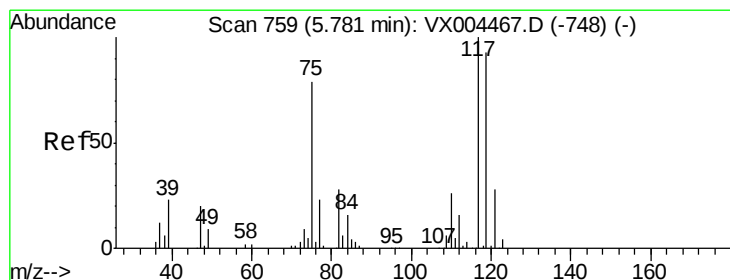
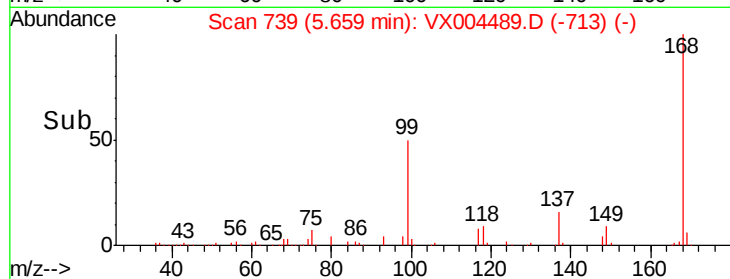
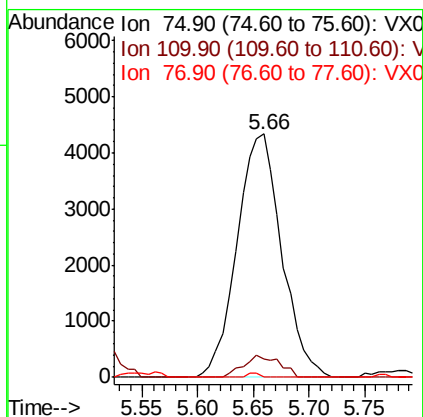
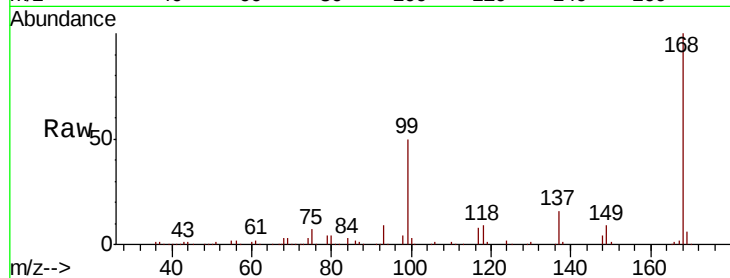




#36
 1,1-Dichloropropene
 Concen: 3.56 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

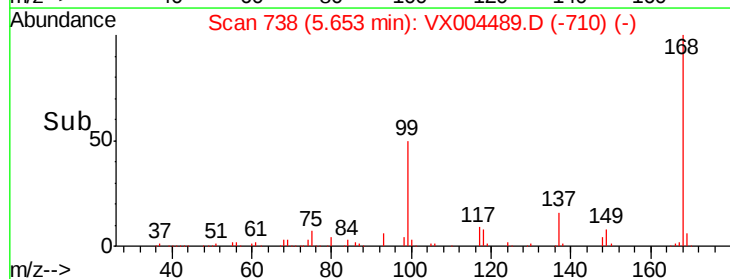
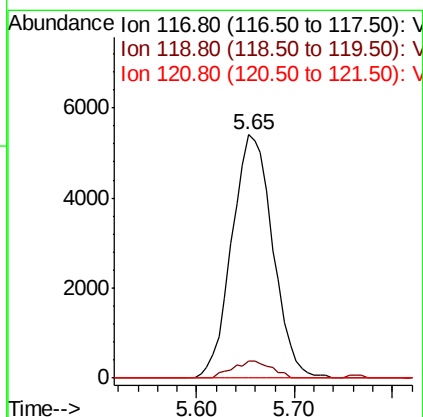
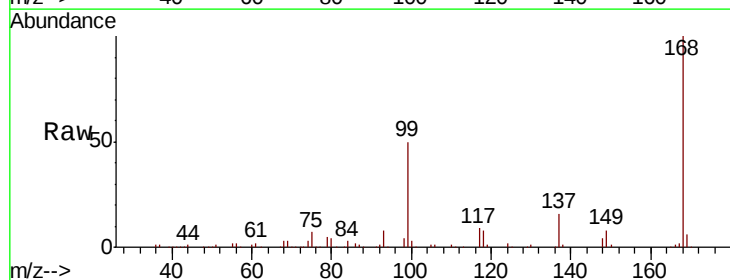
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(8-12)

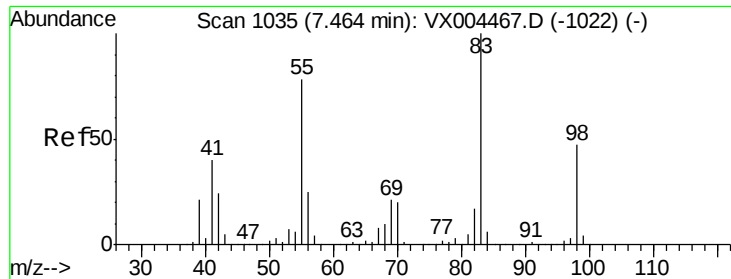
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.0	54.0#
77	0.4	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.73 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	78.8	118.2#
121	0.0	24.9	37.3#

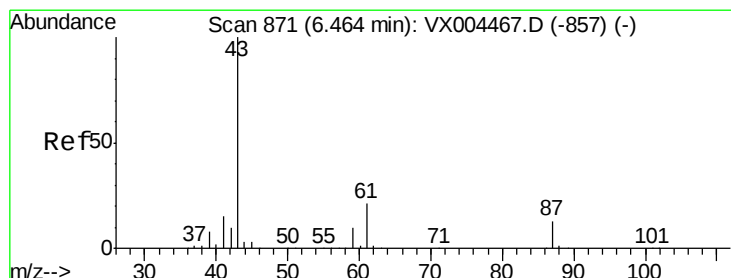
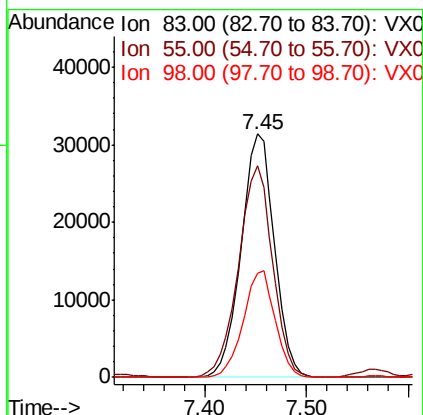
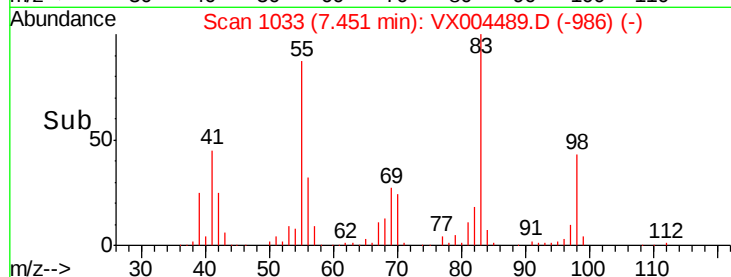
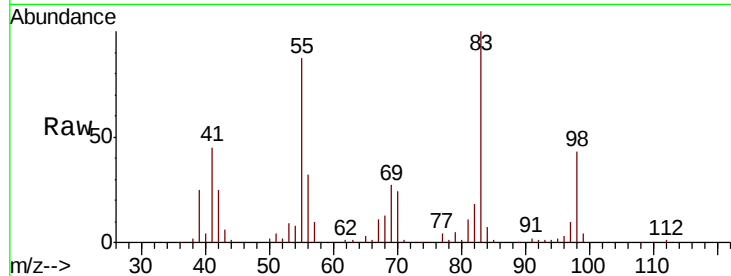




#39
Methylcyclohexane
Concen: 20.13 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

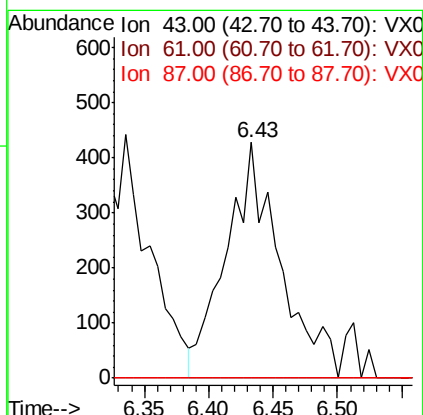
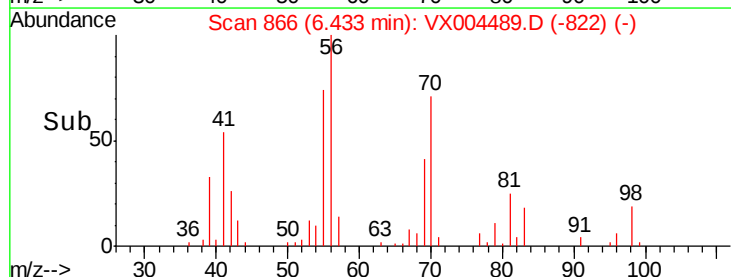
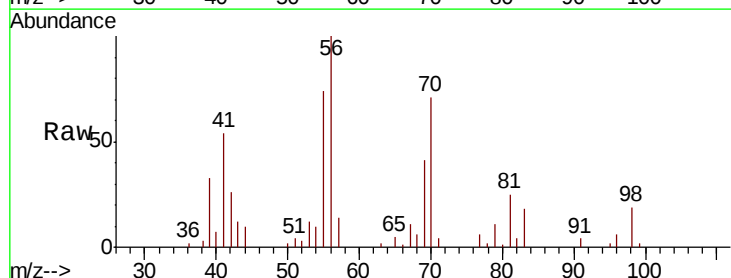
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(8-12)

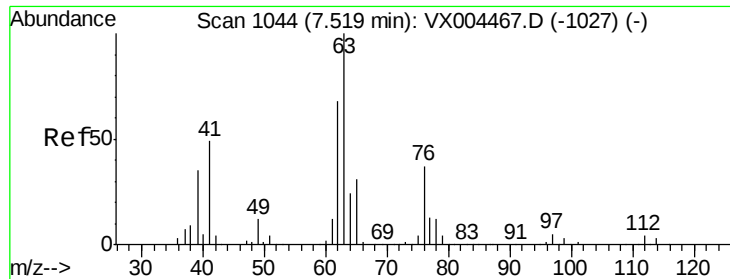
Tot Ion: 83 Resp: 71178
Ion Ratio Lower Upper
83 100
55 86.8 61.0 91.4
98 42.7 39.6 59.4



#43
Isopropyl Acetate
Concen: 0.24 ug/l
RT: 6.43 min Scan# 866
Delta R.T. -0.03 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Tgt Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
61 0.0 17.0 25.4#
87 0.0 11.4 17.2#





#45

1,2-Dichloropropane

Concen: 0.45 ug/l

RT: 7.45 min Scan# 1032

Delta R.T. -0.07 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

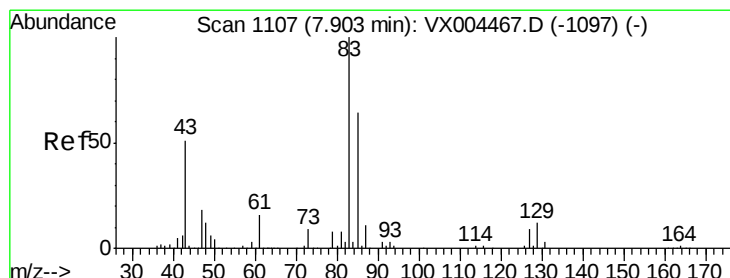
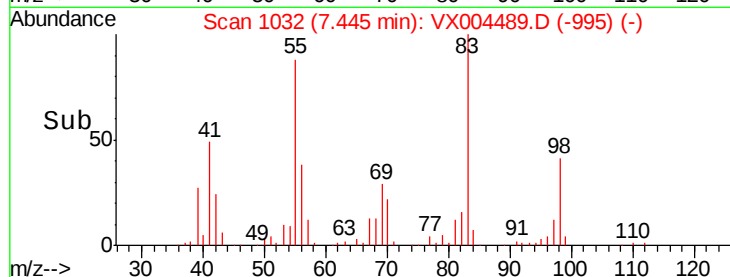
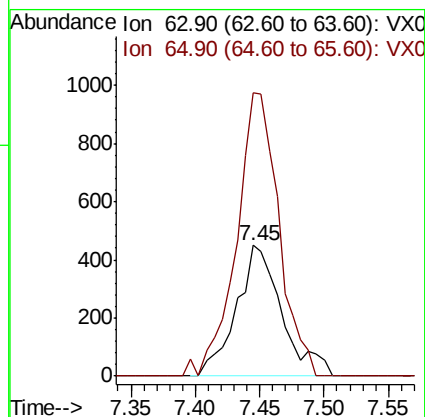
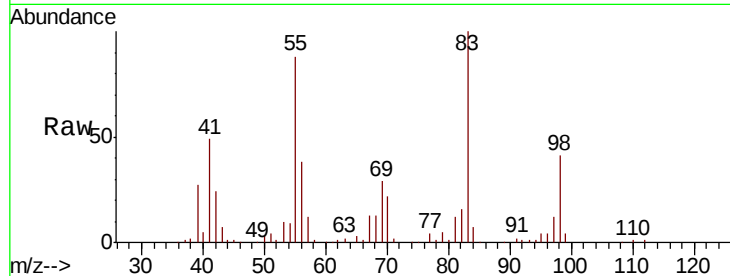
EP1-MW-A(8-12)

Tot Ion: 63 Resp: 1096

Ion Ratio Lower Upper

63 100

65 216.7 24.3 36.5#



#47

Bromodichloromethane

Concen: 0.62 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.06 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

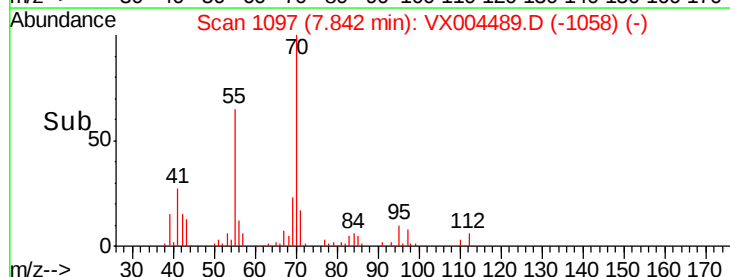
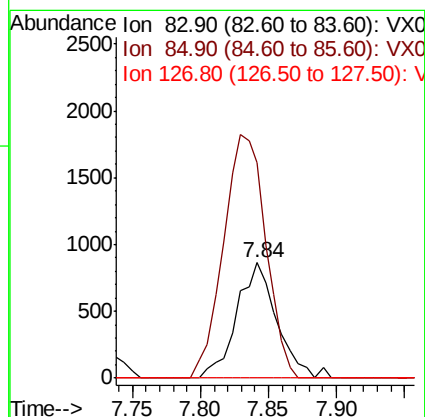
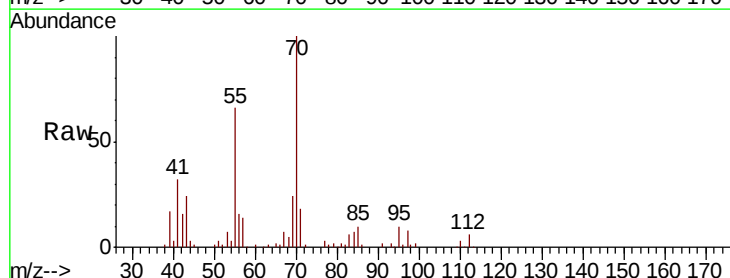
Tgt Ion: 83 Resp: 1781

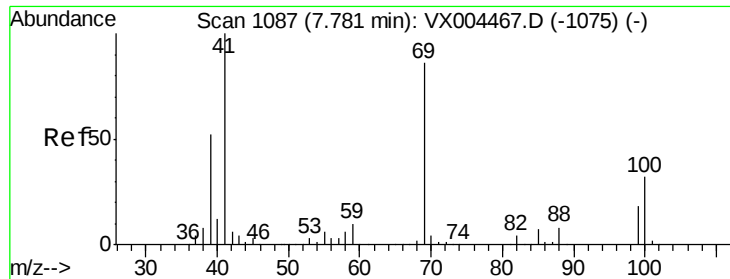
Ion Ratio Lower Upper

83 100

85 187.1 50.9 76.3#

127 0.0 7.3 10.9#

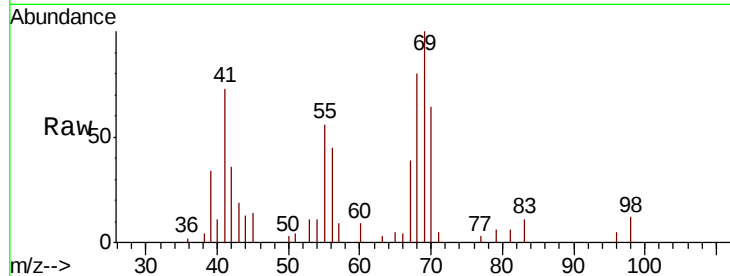




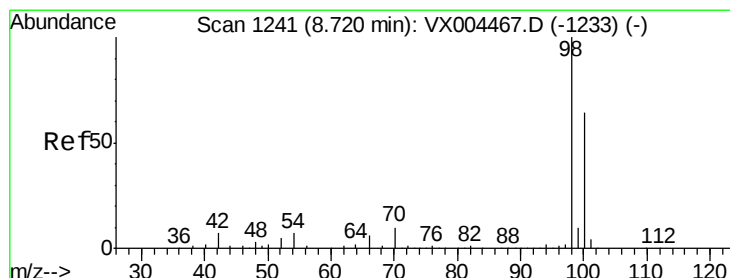
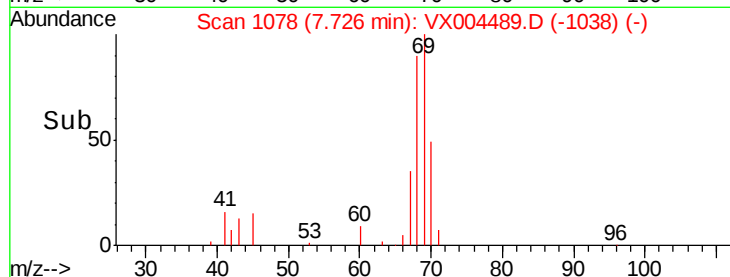
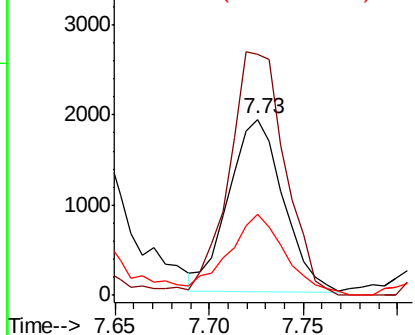
#48
Methvl methacrylate
Concen: 1.51 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.05 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(8-12)

Tot Ion: 41 Resp: 3830
Ion Ratio Lower Upper
41 100
69 146.0 70.2 105.4#
39 49.5 42.7 64.1

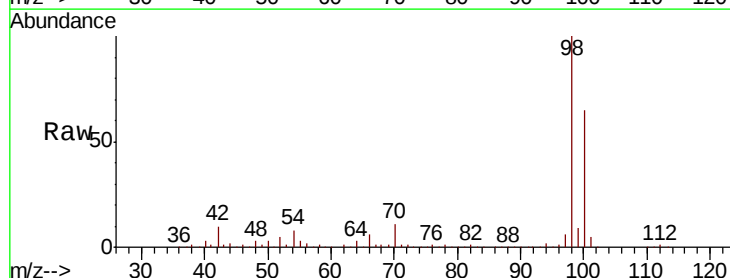


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

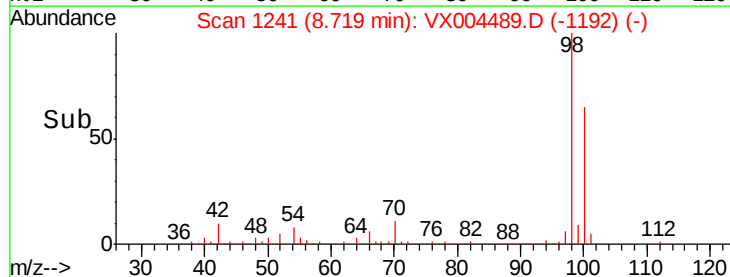
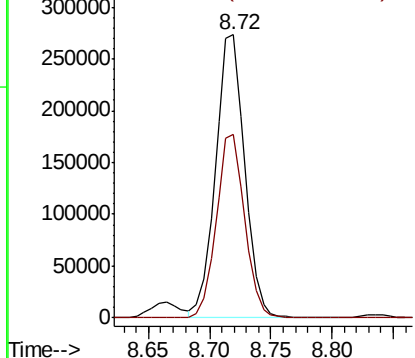


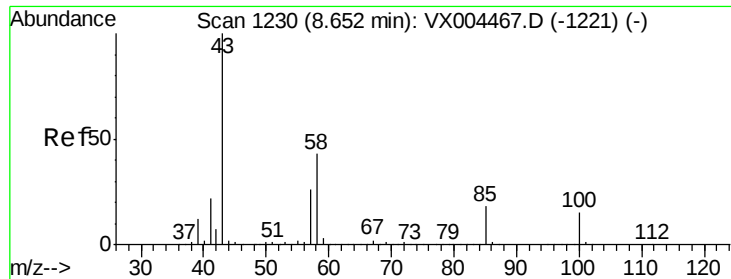
#50
Toluene-d8
Concen: 52.79 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Tgt Ion: 98 Resp: 452196
Ion Ratio Lower Upper
98 100
100 63.1 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: 9.81 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

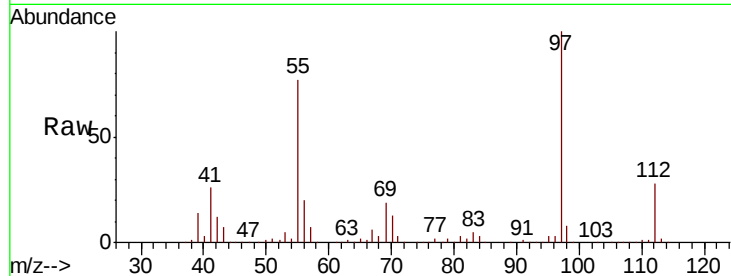
EP1-MW-A(8-12)

Tot Ion: 43 Resp: 35449

Ion Ratio Lower Upper

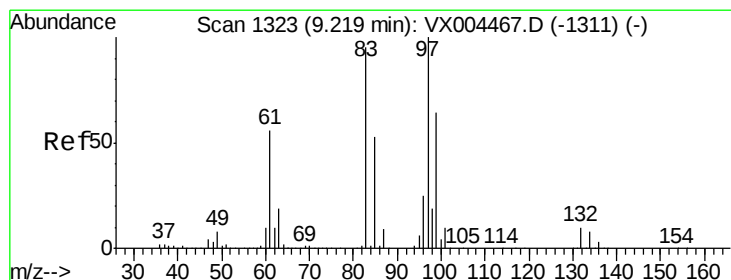
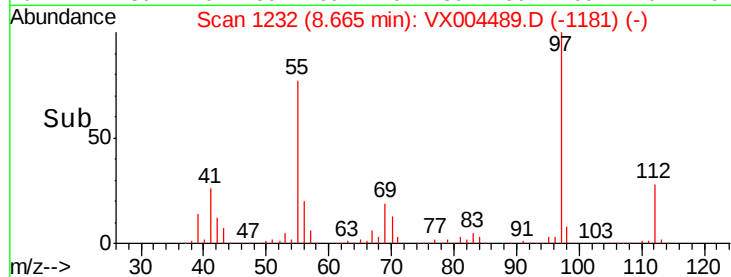
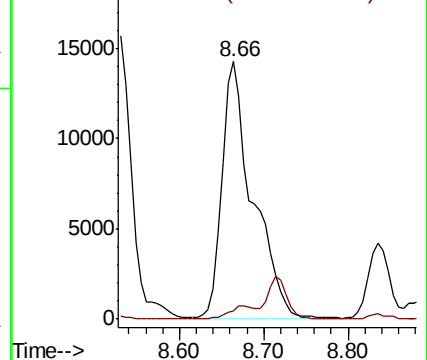
43 100

58 4.0 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: 47.12 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Tgt Ion: 97 Resp: 120182

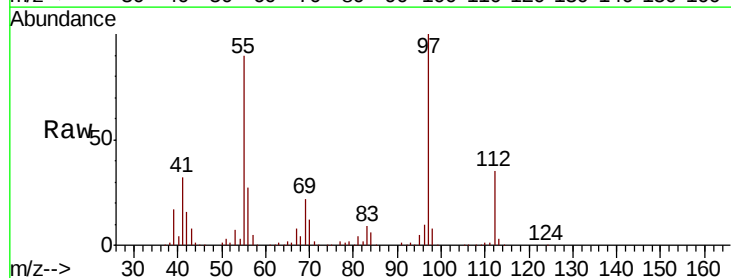
Ion Ratio Lower Upper

97 100

83 8.5 66.4 99.6#

85 0.5 43.3 64.9#

99 0.2 49.0 73.4#

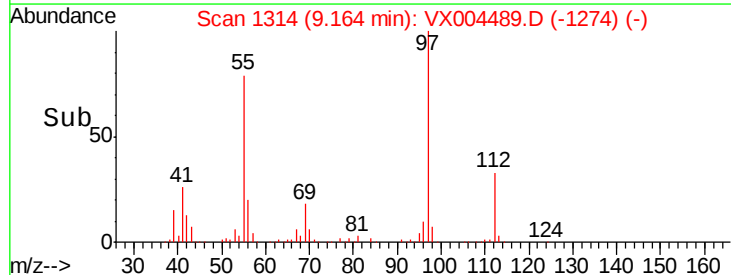
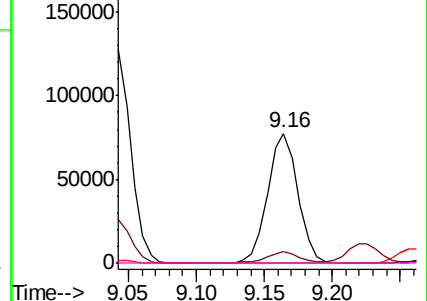


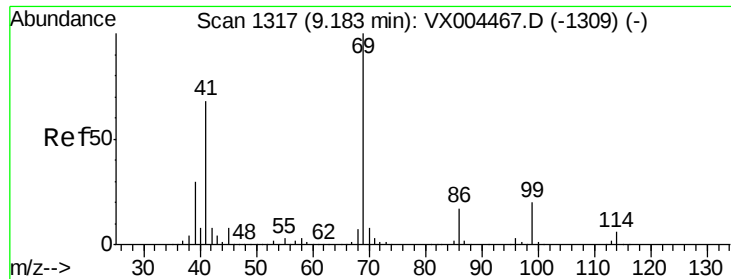
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#56

Ethyl methacrylate

Concen: 7.39 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampled :

EP1-MW-A(8-12)

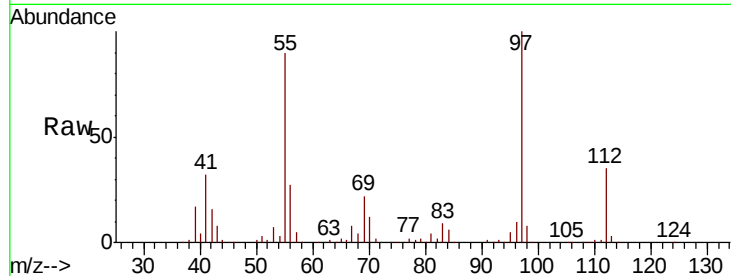
Tot Ion: 69 Resp: 26672

Ion Ratio Lower Upper

69 100

41 151.1 51.0 76.4#

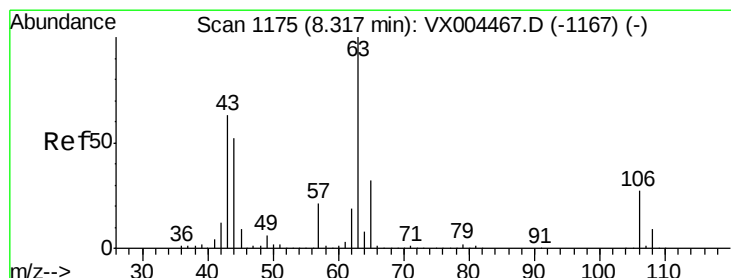
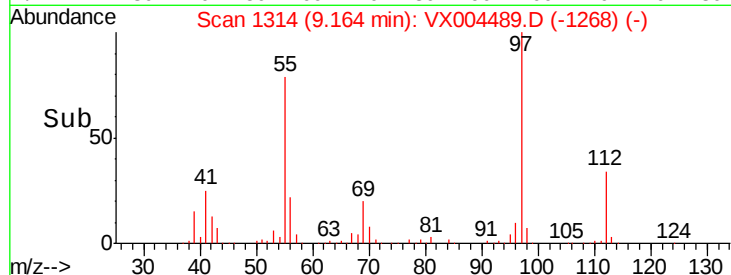
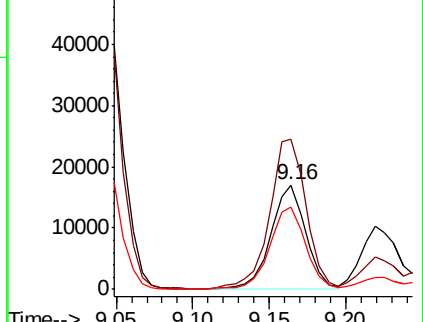
39 81.0 26.1 39.1#



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: 7.34 ug/l

RT: 8.34 min Scan# 1178

Delta R.T. 0.02 min

Lab File: VX004489.D

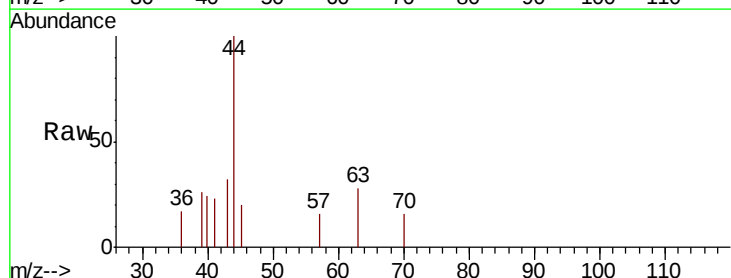
Acq: 12 Sep 2018 12:46

Tgt Ion: 63 Resp: 126

Ion Ratio Lower Upper

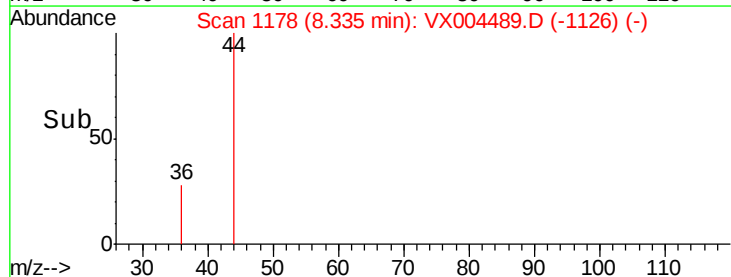
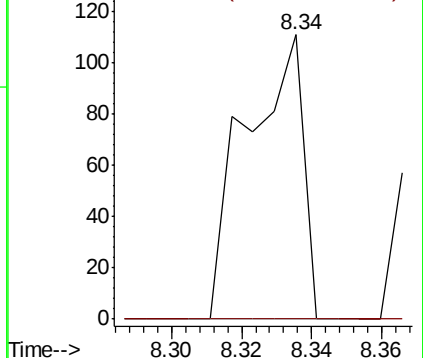
63 100

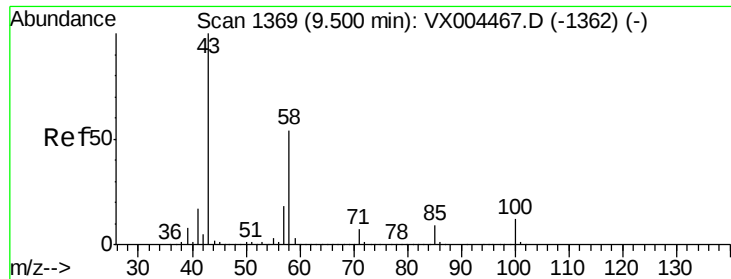
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

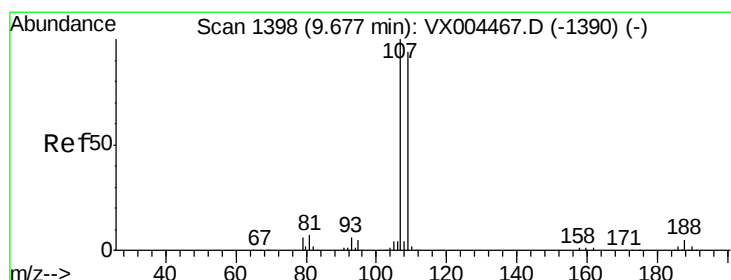
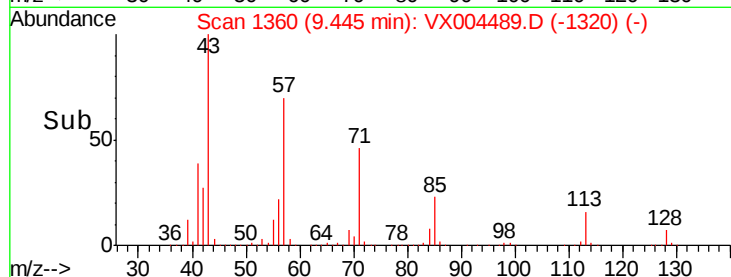
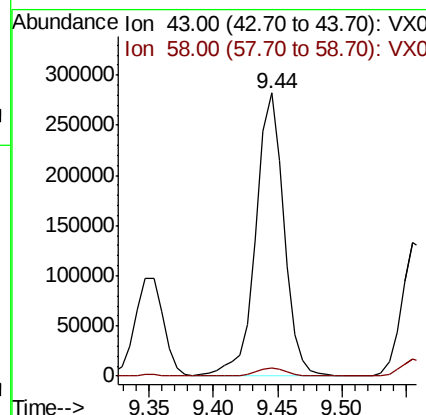
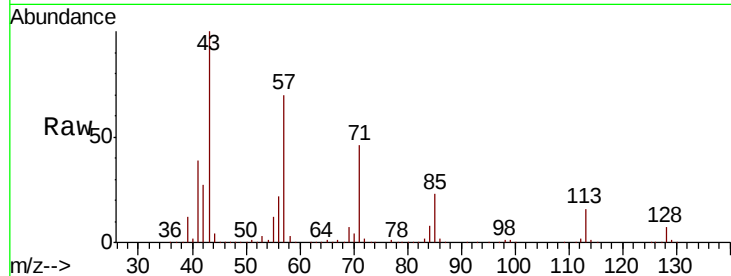




#59
2-Hexanone
Concen: 151.99 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.05 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

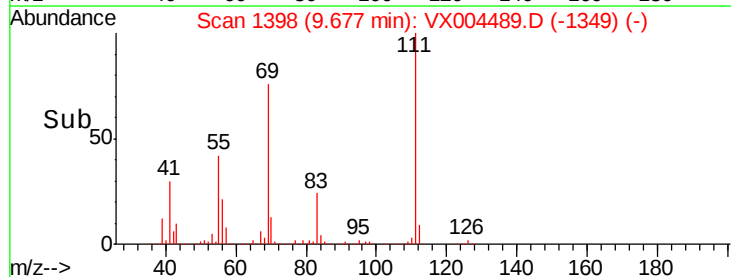
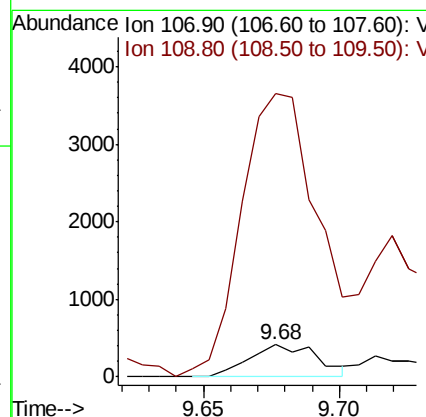
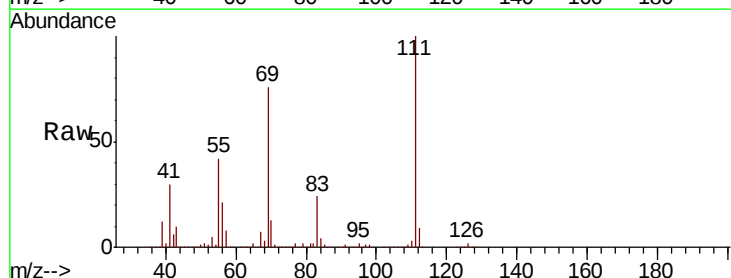
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(8-12)

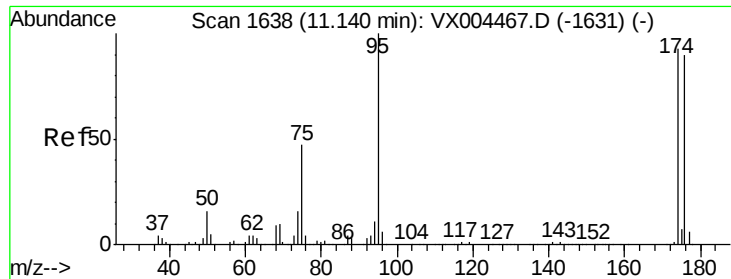
Tot Ion: 43 Resp: 421145
Ion Ratio Lower Upper
43 100
58 3.3 29.0 87.0#



#61
1,2-Dibromoethane
Concen: 0.30 ug/l
RT: 9.68 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Tgt Ion:107 Resp: 722
Ion Ratio Lower Upper
107 100
109 977.6 76.0 114.0#

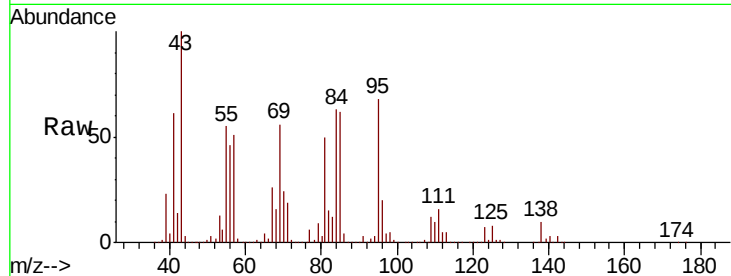




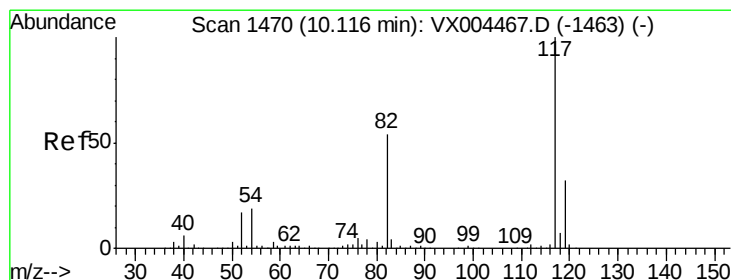
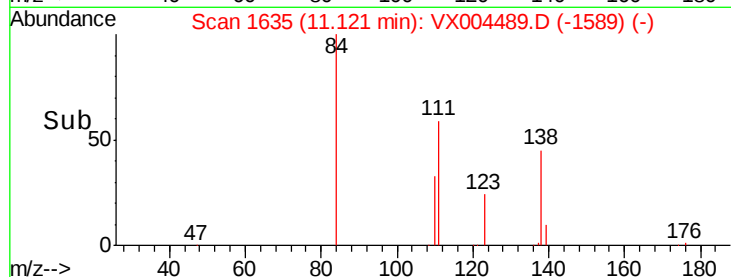
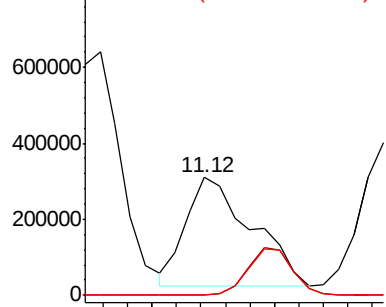
#62
4-Bromofluorobenzene
Concen: 174.72 ug/l
RT: 11.12 min Scan# 1635
Delta R.T. -0.02 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(8-12)

Tot Ion: 95 Resp: 534214
Ion Ratio Lower Upper
95 100
174 0.0 0.0 185.2
176 0.0 0.0 178.6

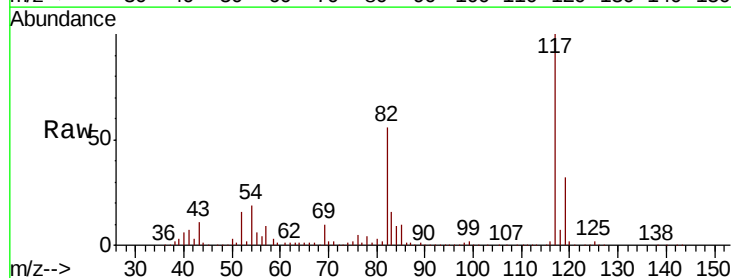


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

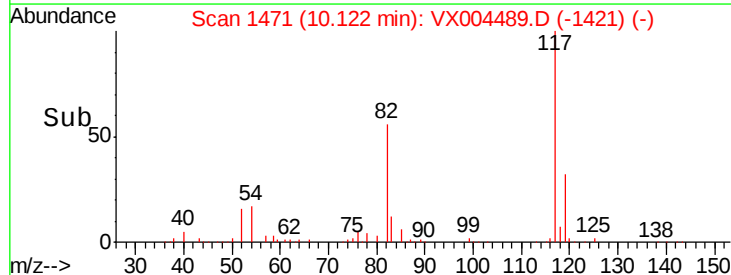
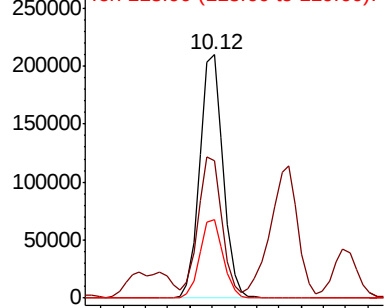


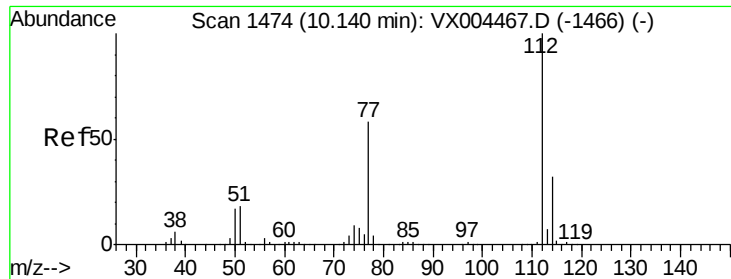
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Tgt Ion: 117 Resp: 304242
Ion Ratio Lower Upper
117 100
82 50.6 47.8 71.6
119 32.2 29.3 43.9



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

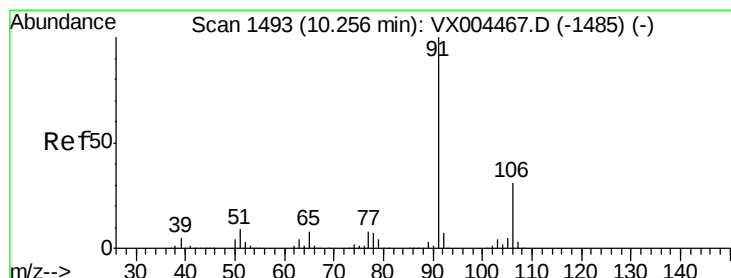
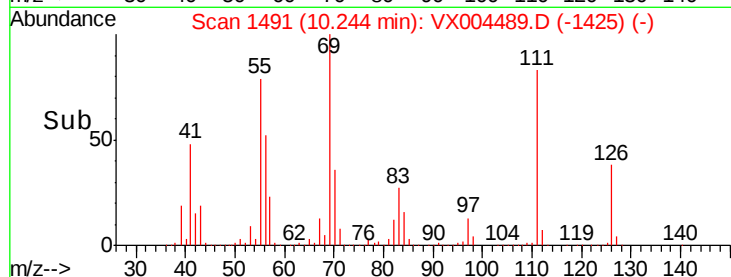
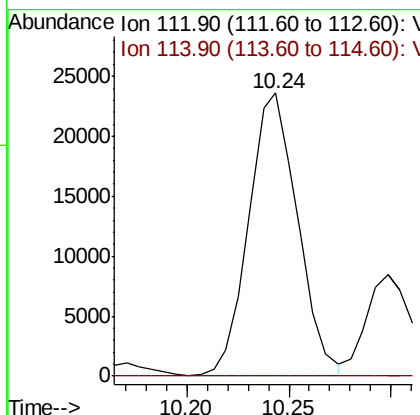
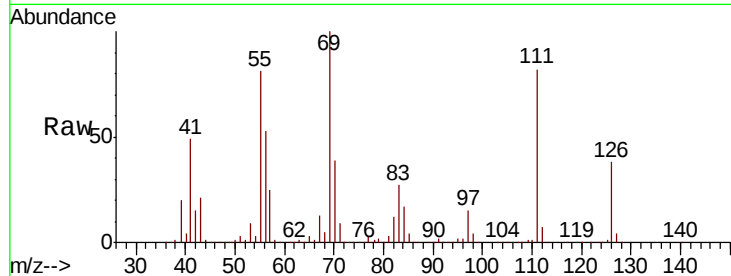




#65
Chlorobenzene
Concen: 5.17 ug/l
RT: 10.24 min Scan# 1491
Delta R.T. 0.10 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

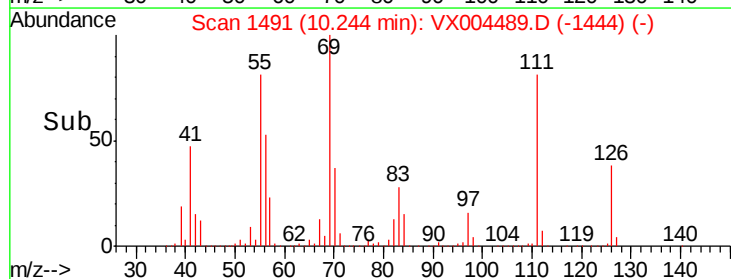
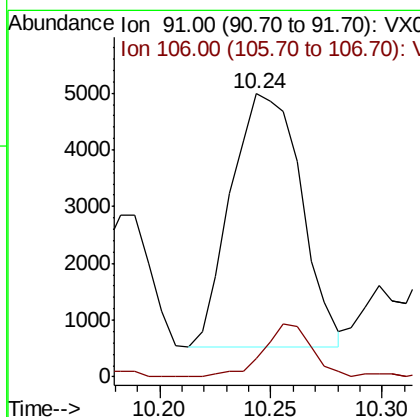
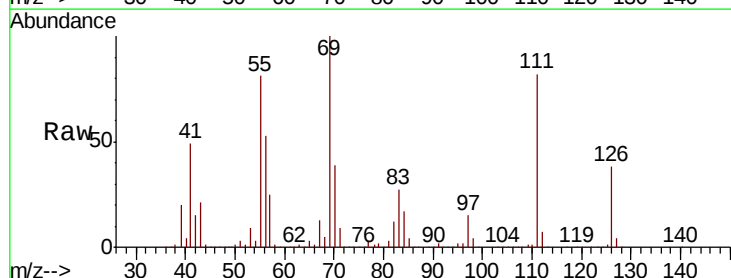
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(8-12)

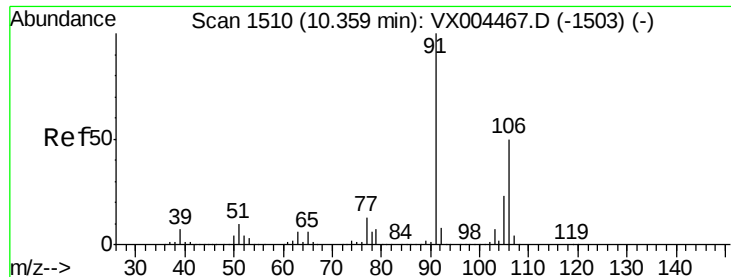
Tot Ion:112 Resp: 39094
Ion Ratio Lower Upper
112 100
114 0.0 27.8 41.8#



#67
Ethyl Benzene
Concen: 0.79 ug/l
RT: 10.24 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Tgt Ion: 91 Resp: 9718
Ion Ratio Lower Upper
91 100
106 7.1 25.9 38.9#

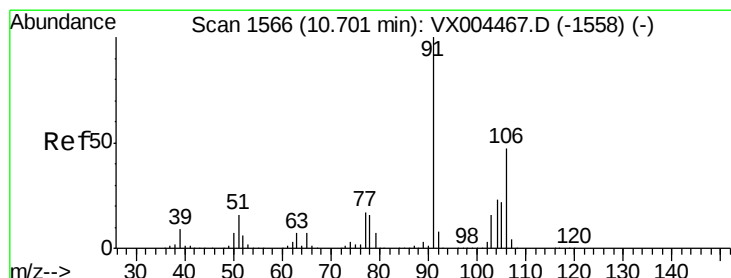
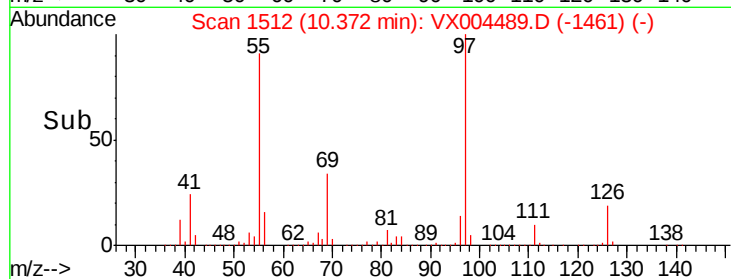
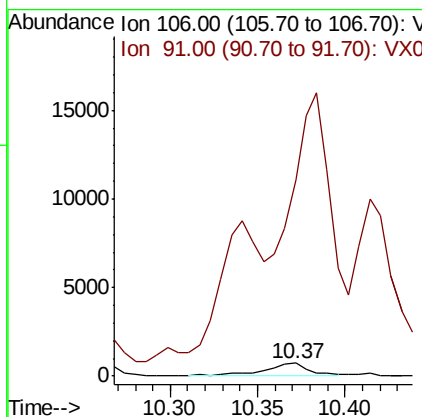
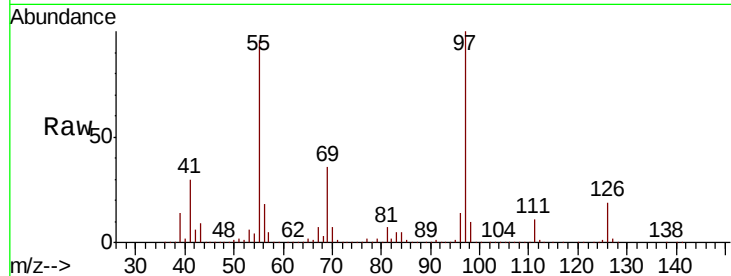




#68
m/p-Xylenes
Concen: 0.30 ug/l
RT: 10.37 min Scan# 1512
Delta R.T. 0.01 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

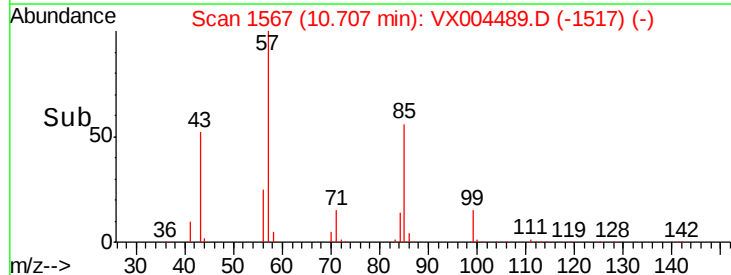
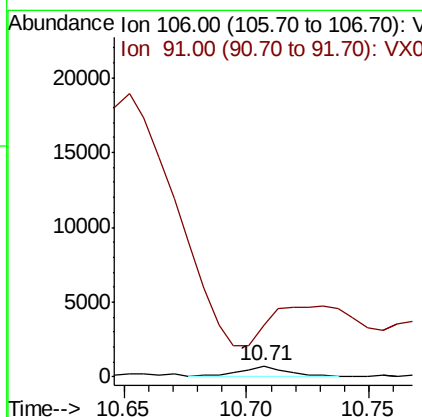
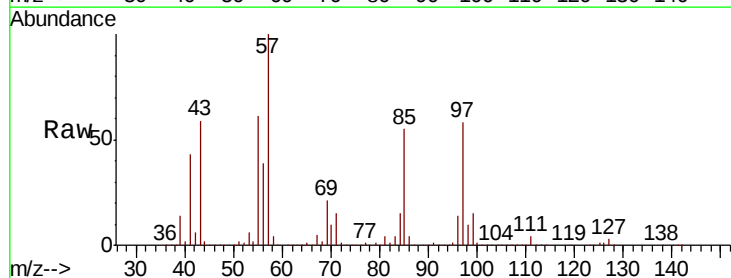
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-A(8-12)

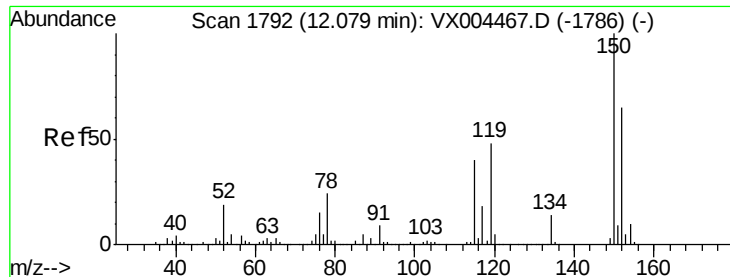
Tot Ion:106 Resp: 1435
Ion Ratio Lower Upper
106 100
91 1938.2 157.1 235.7#



#69
o-Xylene
Concen: 0.21 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX004489.D
Acq: 12 Sep 2018 12:46

Tgt Ion:106 Resp: 943
Ion Ratio Lower Upper
106 100
91 0.0 105.1 315.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(8-12)

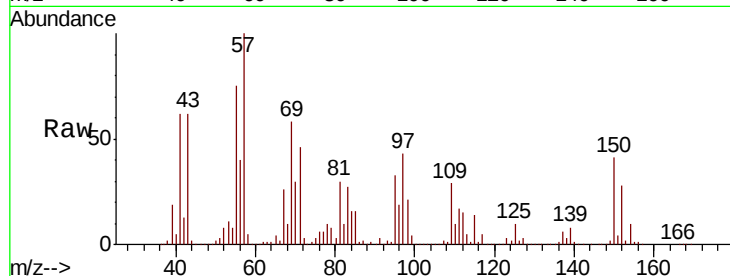
Tot Ion:152 Resp: 234359

Ion Ratio Lower Upper

152 100

115 48.0 39.0 117.0

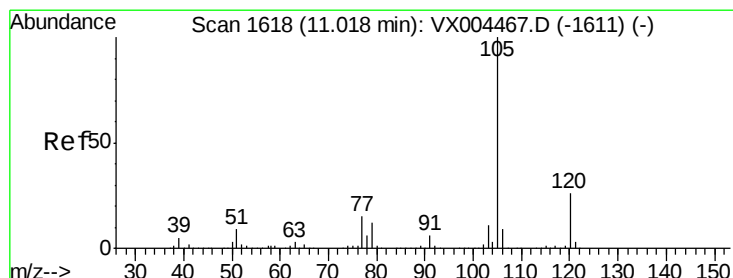
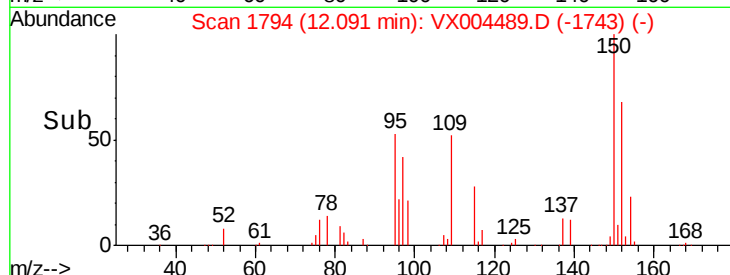
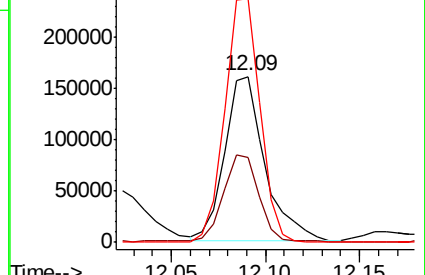
150 131.4 0.0 351.0



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: 116.35 ug/l

RT: 11.03 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VX004489.D

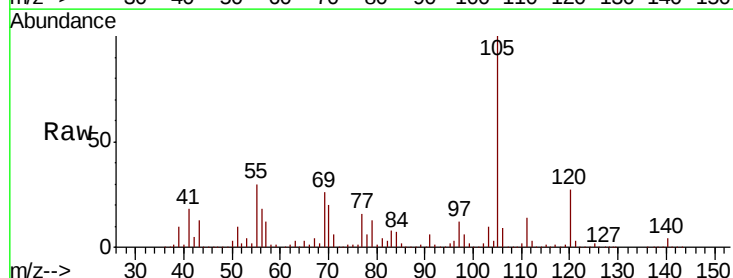
Acq: 12 Sep 2018 12:46

Tgt Ion:105 Resp: 1795801

Ion Ratio Lower Upper

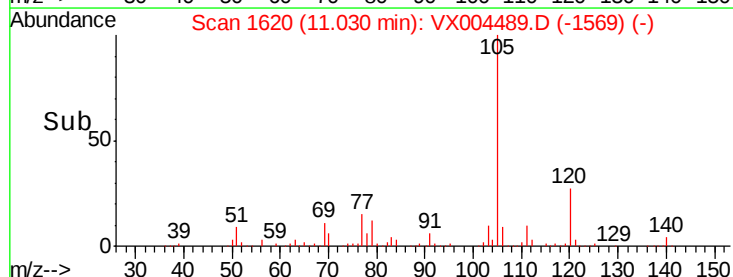
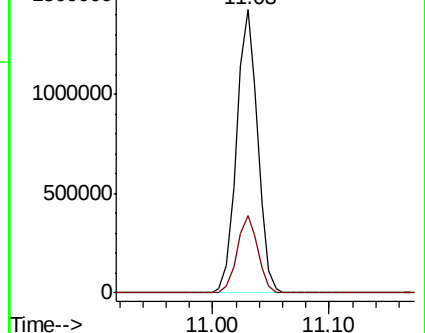
105 100

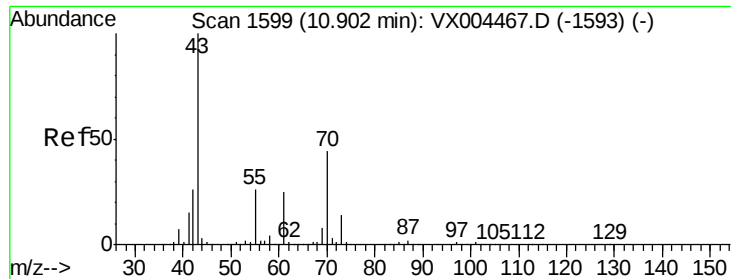
120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 443.92 ug/l

RT: 10.92 min Scan# 1602

Delta R.T. 0.02 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampled :

EP1-MW-A(8-12)

Tot Ion: 43 Resp: 2883955

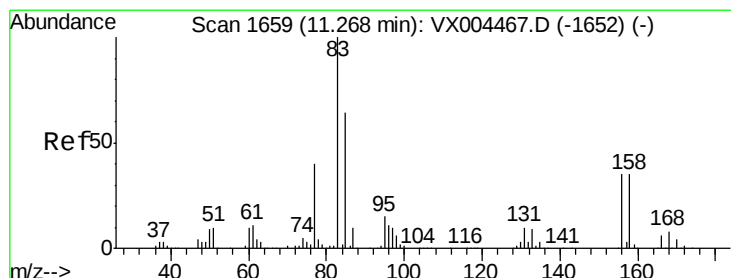
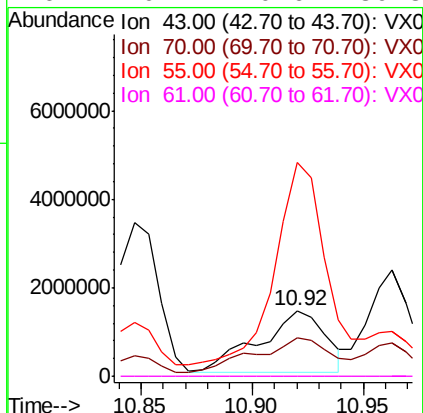
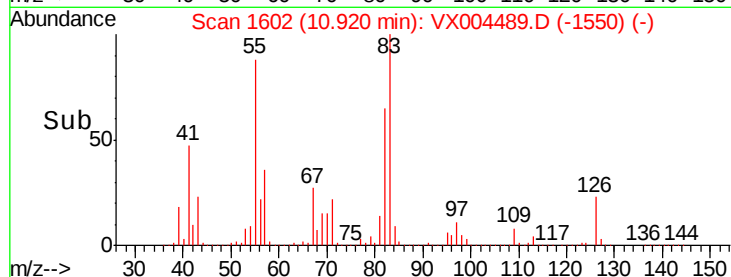
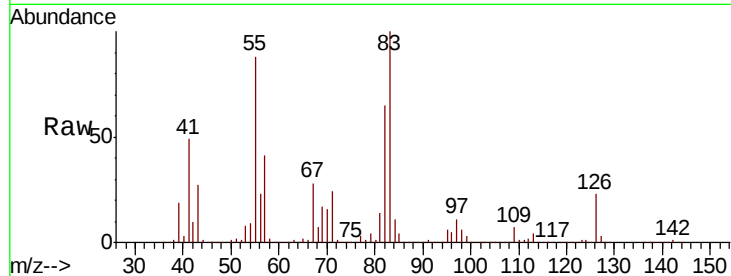
Ion Ratio Lower Upper

43 100

70 70.5 37.4 56.0#

55 252.1 21.8 32.8#

61 0.1 20.6 30.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 297.63 ug/l

RT: 11.29 min Scan# 1662

Delta R.T. 0.02 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

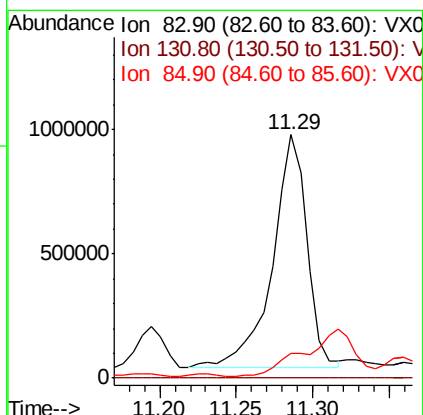
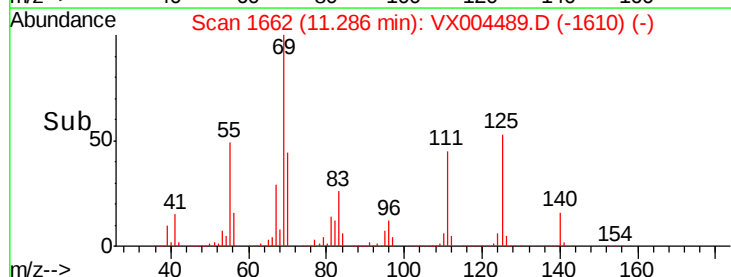
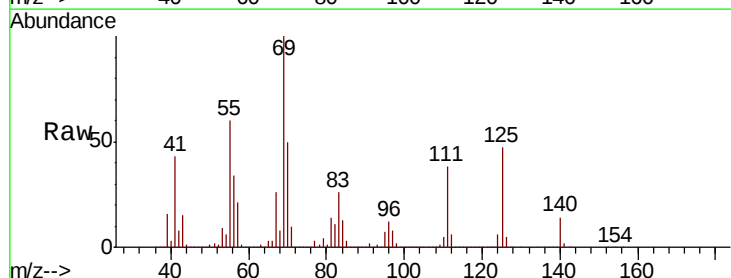
Tgt Ion: 83 Resp: 1481778

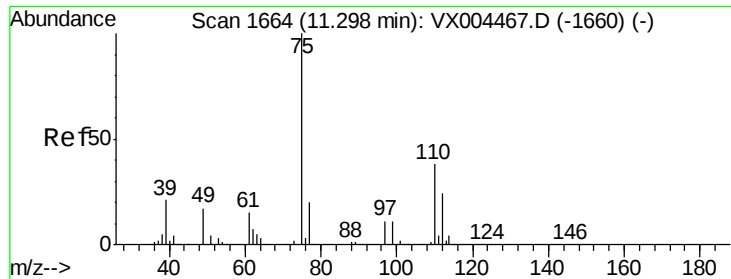
Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 17.65 ug/l

RT: 11.15 min Scan# 1639

Delta R.T. -0.15 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

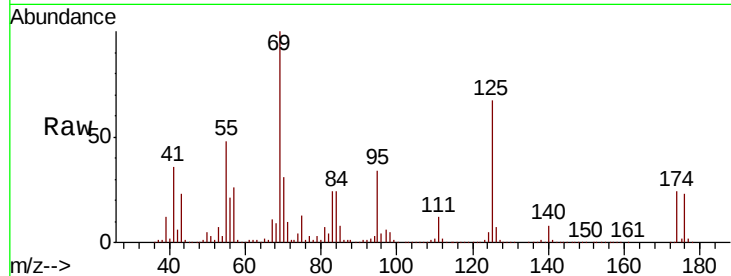
EP1-MW-A(8-12)

Tot Ion: 75 Resp: 83225

Ion Ratio Lower Upper

75 100

77 42.2 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

60000

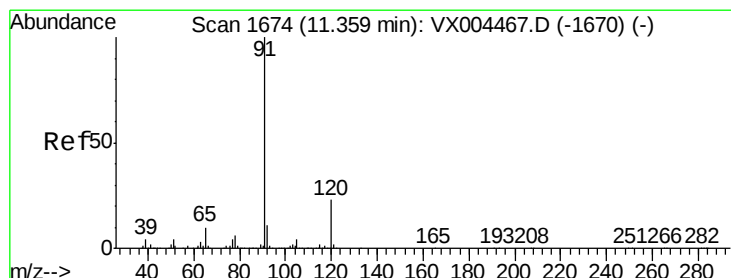
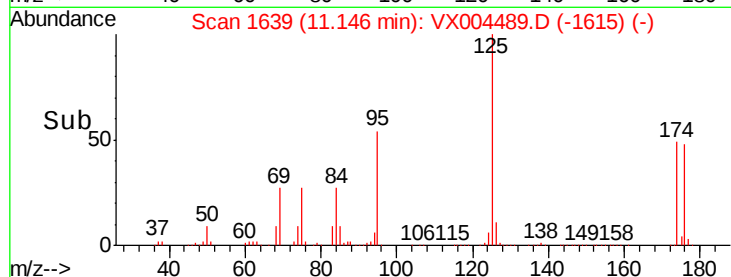
40000

20000

0

Time-->

11.10 11.15 11.20



#78

n-propylbenzene

Concen: 308.83 ug/l

RT: 11.37 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VX004489.D

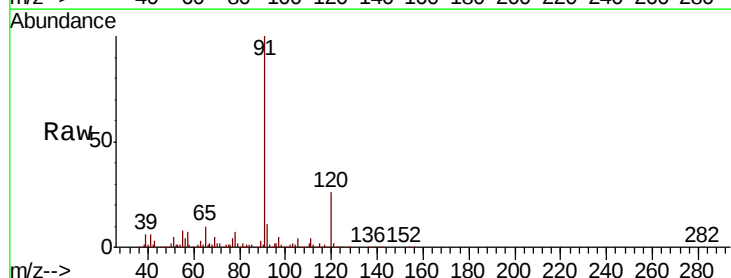
Acq: 12 Sep 2018 12:46

Tgt Ion: 91 Resp: 5480673

Ion Ratio Lower Upper

91 100

120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.37

4000000

3000000

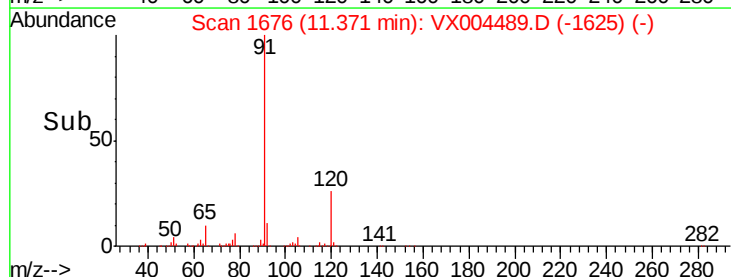
2000000

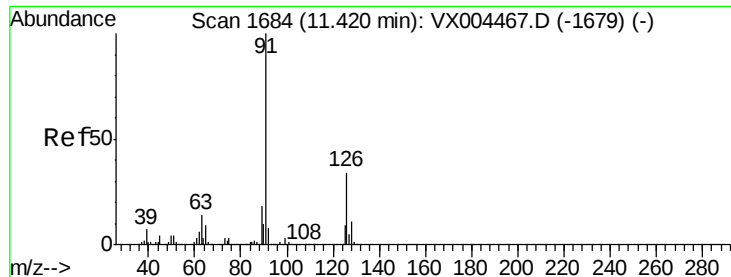
1000000

0

Time-->

11.30 11.35 11.40 11.45





#79

2-Chlorotoluene

Concen: 509.20 ug/l

RT: 11.37 min Scan# 1676

Delta R.T. -0.05 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

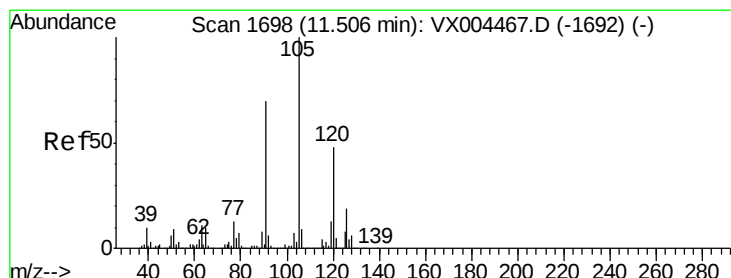
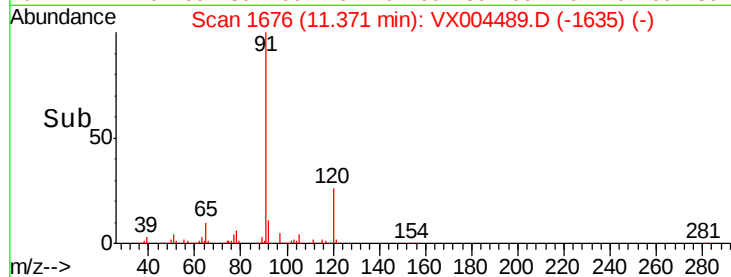
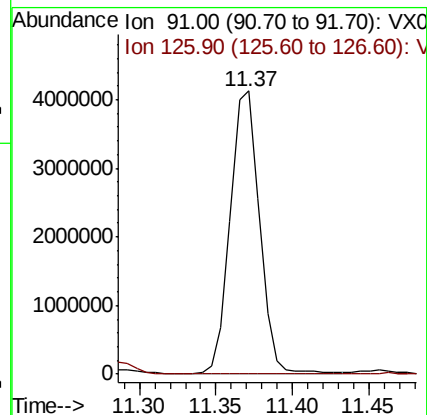
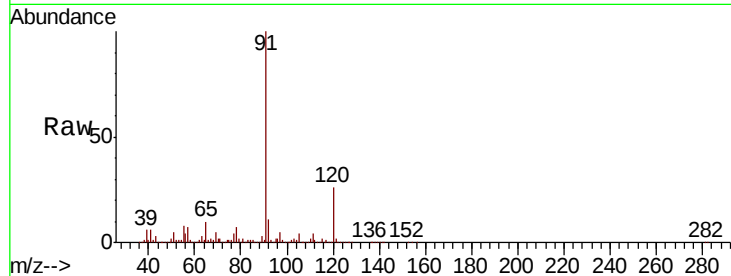
EP1-MW-A(8-12)

Tot Ion: 91 Resp: 5480673

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



#80

1,3,5-Trimethylbenzene

Concen: 16.50 ug/l

RT: 11.37 min Scan# 1676

Delta R.T. -0.13 min

Lab File: VX004489.D

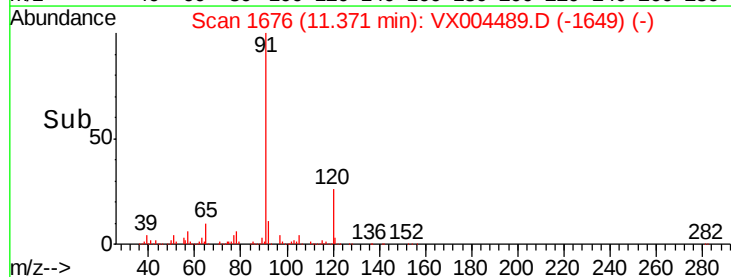
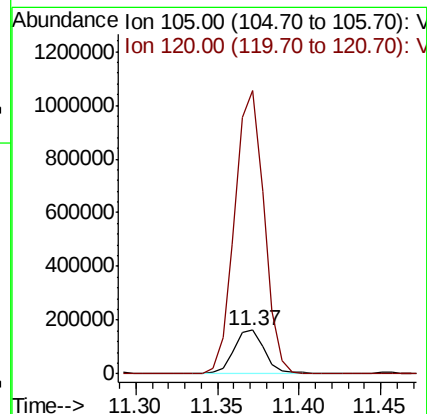
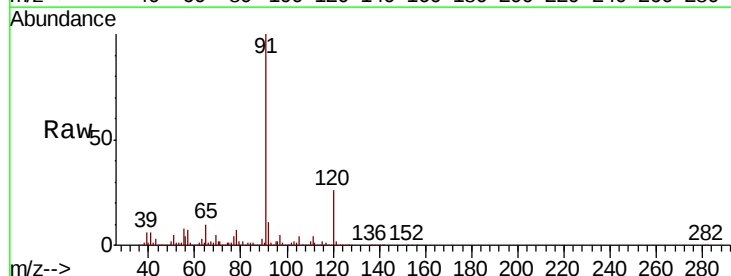
Acq: 12 Sep 2018 12:46

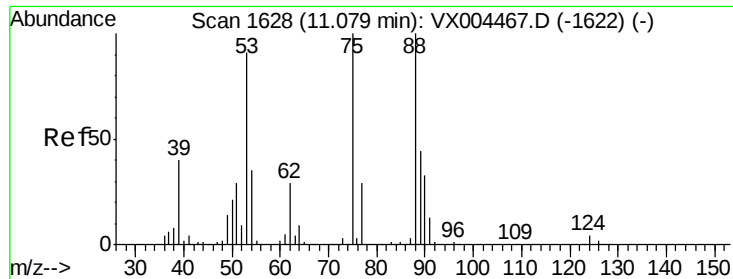
Tgt Ion:105 Resp: 214052

Ion Ratio Lower Upper

105 100

120 619.5 25.6 76.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 13.24 ug/l

RT: 11.03 min Scan# 1620

Delta R.T. -0.05 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(8-12)

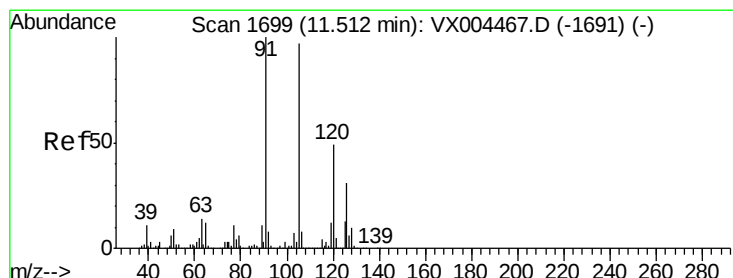
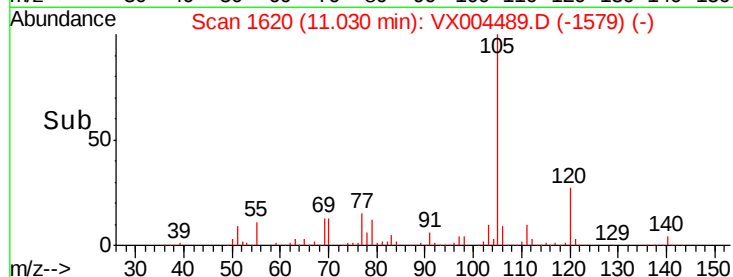
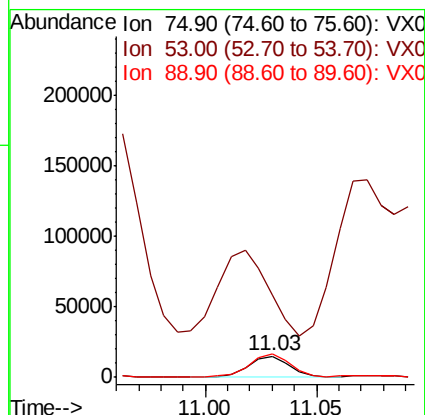
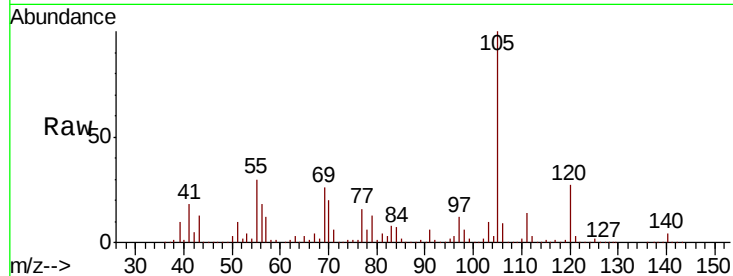
Tot Ion: 75 Resp: 19584

Ion Ratio Lower Upper

75 100

53 535.7 80.1 120.1#

89 105.8 37.2 55.8#



#82

4-Chlorotoluene

Concen: 436.28 ug/l

RT: 11.37 min Scan# 1676

Delta R.T. -0.14 min

Lab File: VX004489.D

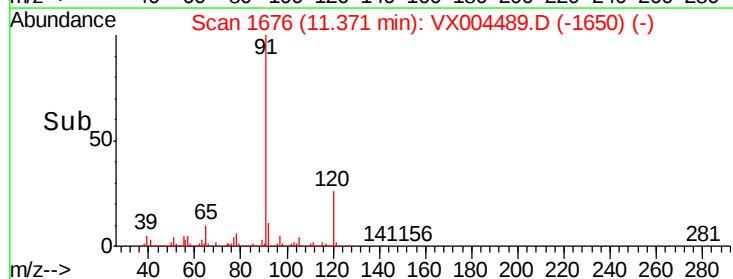
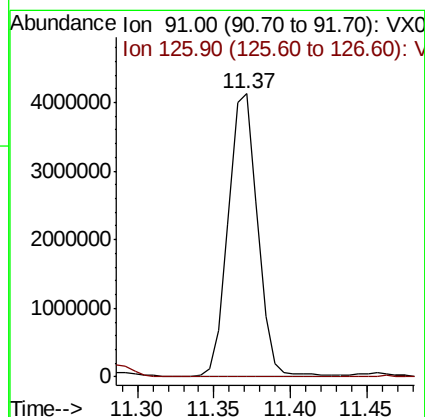
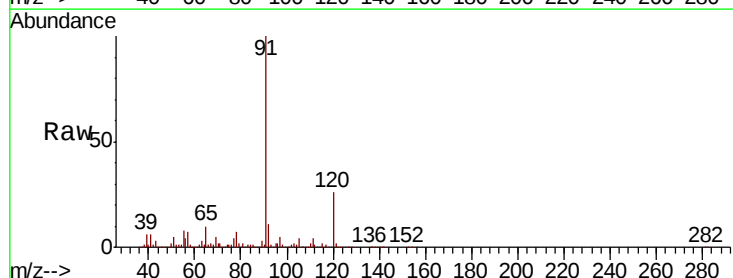
Acq: 12 Sep 2018 12:46

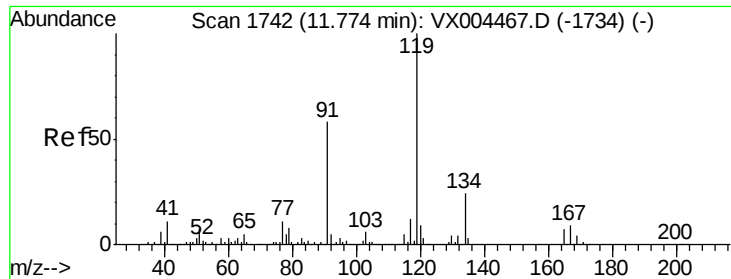
Tgt Ion: 91 Resp: 5480673

Ion Ratio Lower Upper

91 100

126 0.0 15.5 46.5#

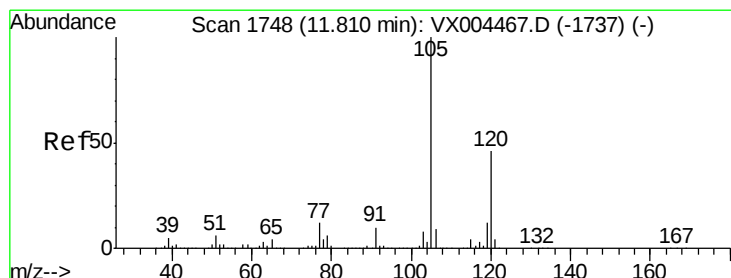
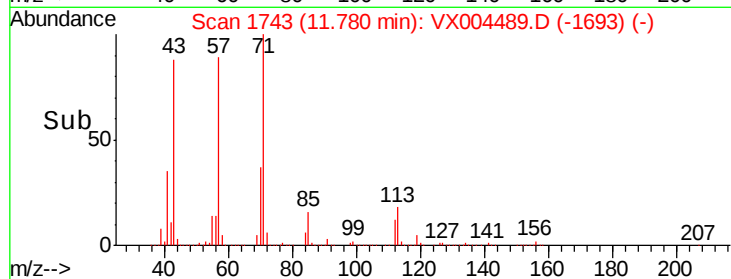
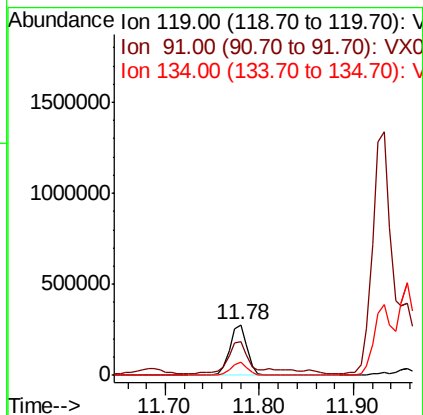
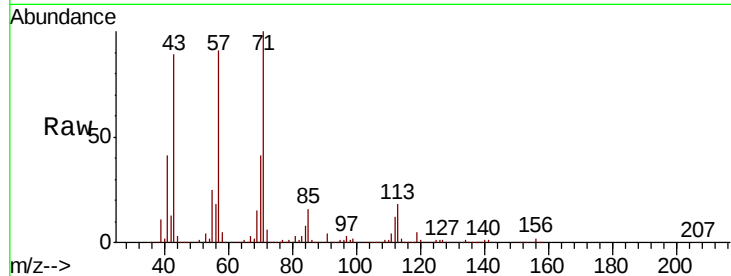




#83
 tert-Butylbenzene
 Concen: 28.42 ug/l
 RT: 11.78 min Scan# 1743
 Delta R.T. 0.01 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

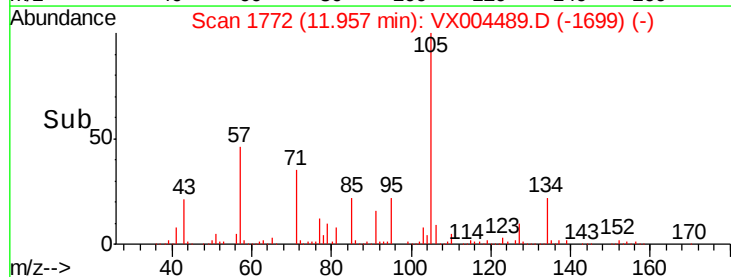
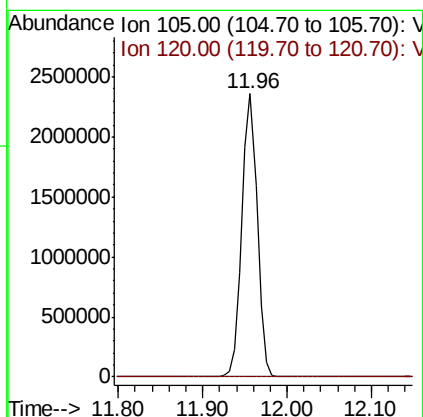
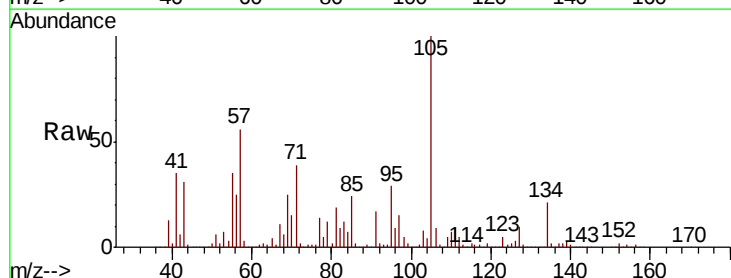
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(8-12)

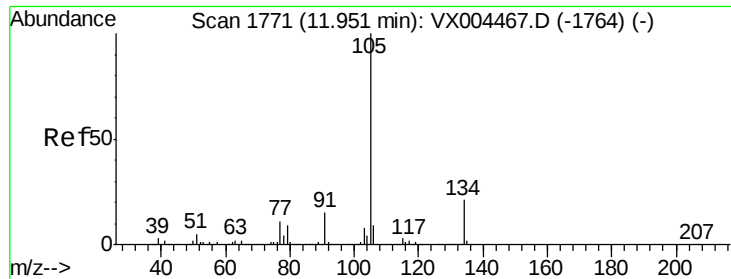
Tot Ion:119 Resp: 351049
 Ion Ratio Lower Upper
 119 100
 91 80.1 27.0 81.0
 134 24.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 214.99 ug/l
 RT: 11.96 min Scan# 1772
 Delta R.T. 0.15 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

Tgt Ion:105 Resp: 2848172
 Ion Ratio Lower Upper
 105 100
 120 0.2 23.2 69.6#

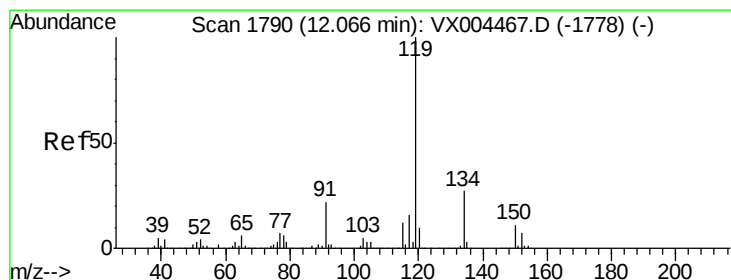
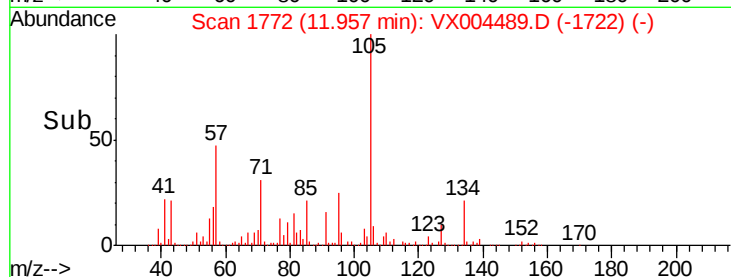
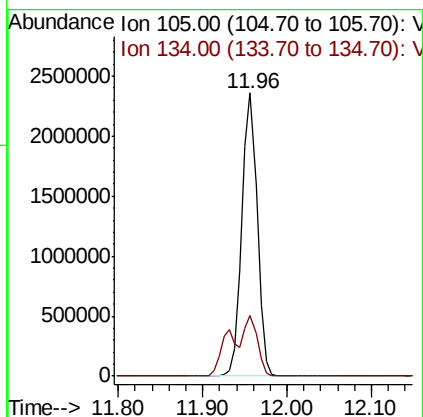
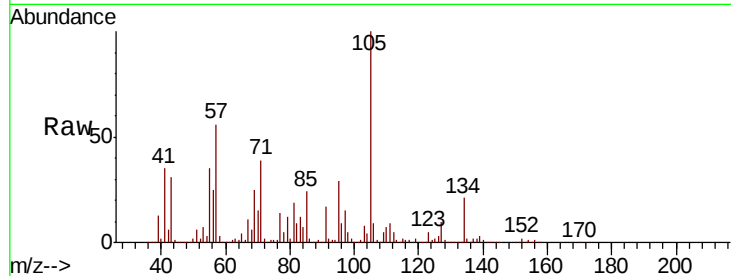




#85
 sec-Butylbenzene
 Concen: 180.93 ug/l
 RT: 11.96 min Scan# 1772
 Delta R.T. 0.01 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

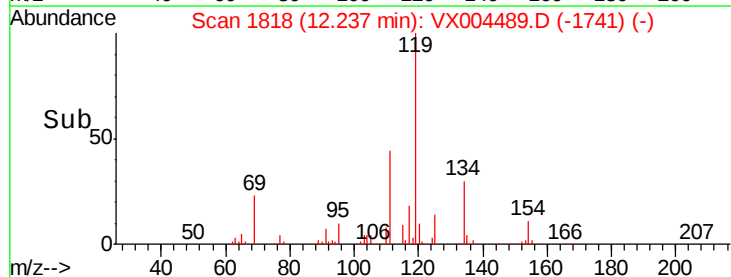
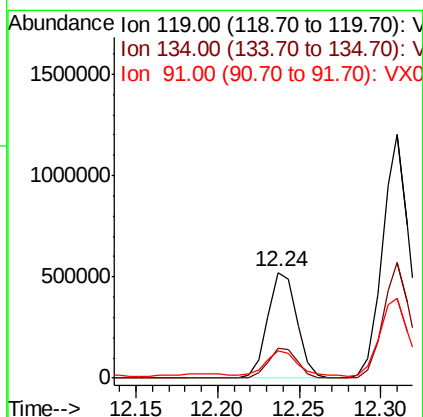
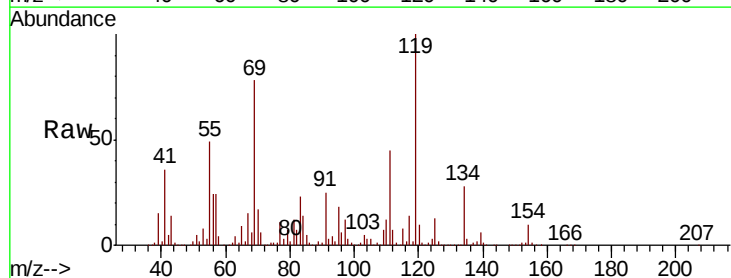
Instrument :
 MSVOA_X
 ClientSampled :
 EP1-MW-A(8-12)

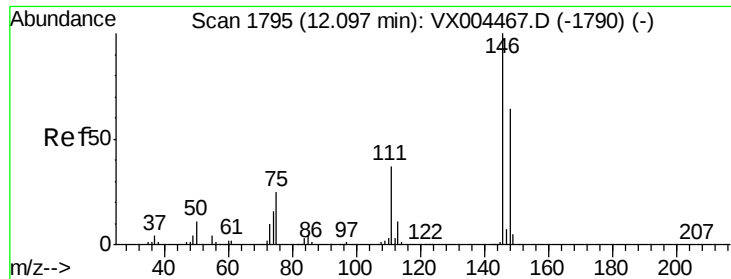
Tot Ion:105 Resp: 2848172
 Ion Ratio Lower Upper
 105 100
 134 18.4 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 46.58 ug/l
 RT: 12.24 min Scan# 1818
 Delta R.T. 0.17 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

Tgt Ion:119 Resp: 647489
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.4 40.2
 91 26.4 10.9 32.7

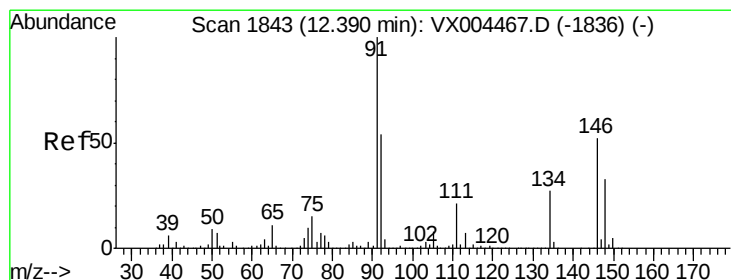
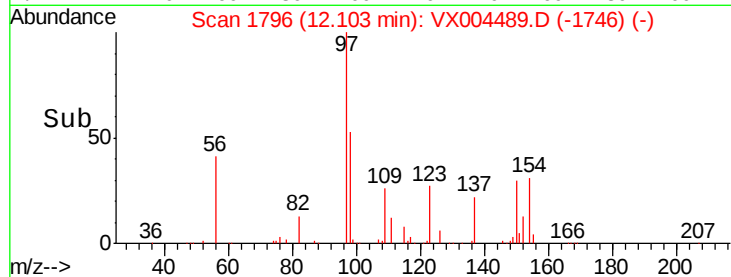
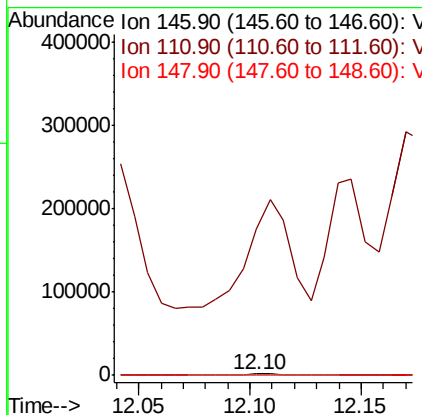
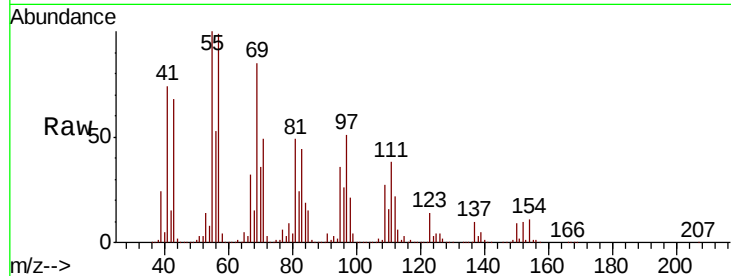




#88
 1,4-Dichlorobenzene
 Concen: 0.22 ug/l
 RT: 12.10 min Scan# 1796
 Delta R.T. 0.01 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

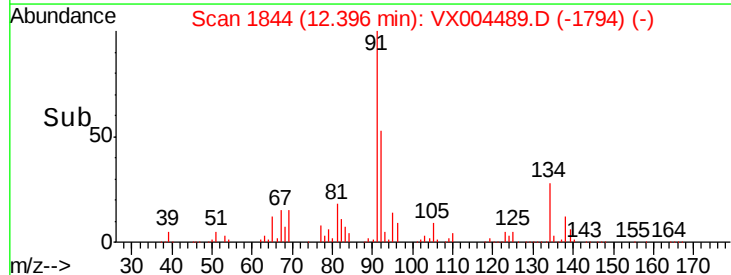
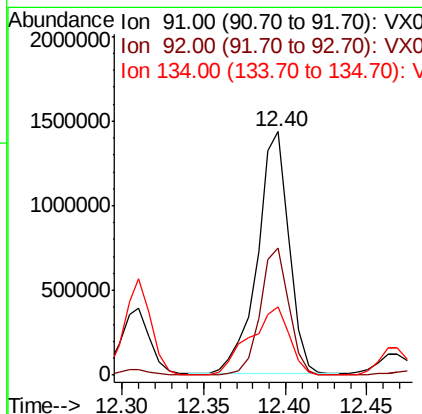
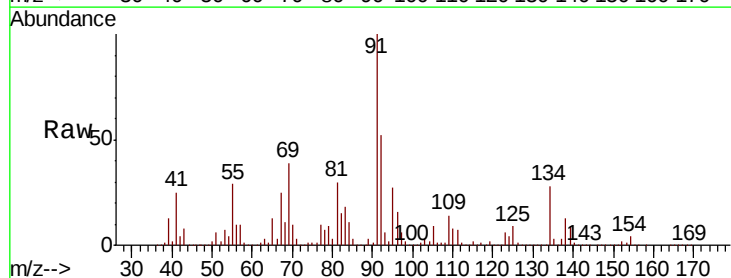
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(8-12)

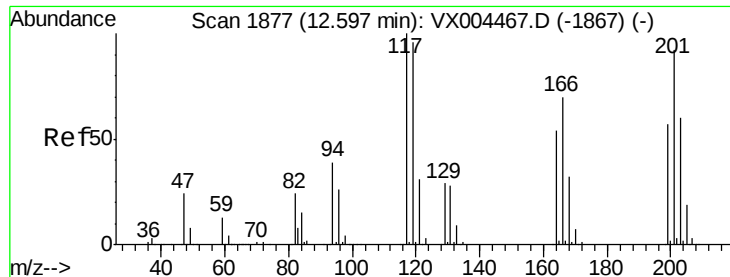
Tot Ion:146 Resp: 1842
 Ion Ratio Lower Upper
 146 100
 111 12150.0 18.1 54.1#
 148 104.0 32.0 96.0#



#89
 n-Butylbenzene
 Concen: 151.08 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

Tgt Ion: 91 Resp: 1913747
 Ion Ratio Lower Upper
 91 100
 92 47.8 27.3 81.9
 134 35.7 13.6 40.7





#90

Hexachloroethane

Concen: 139.36 ug/l

RT: 12.68 min Scan# 1890

Delta R.T. 0.08 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

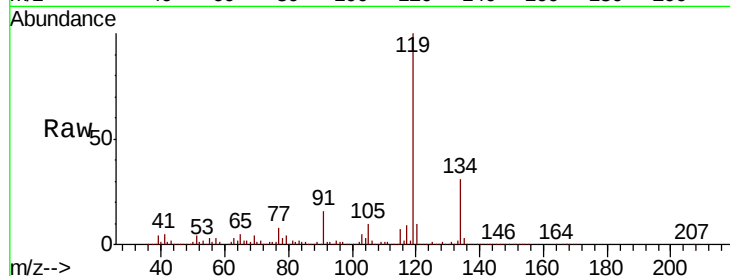
EP1-MW-A(8-12)

Tot Ion:117 Resp: 310133

Ion Ratio Lower Upper

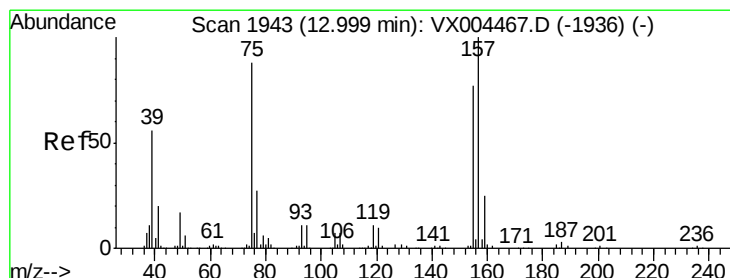
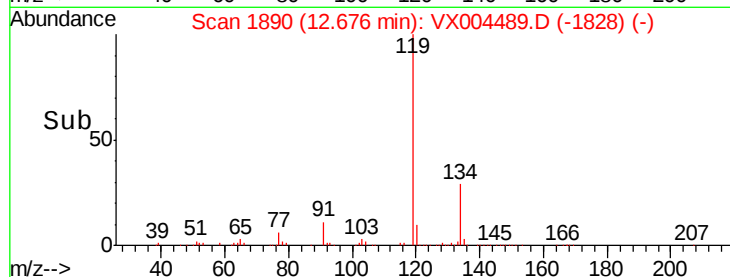
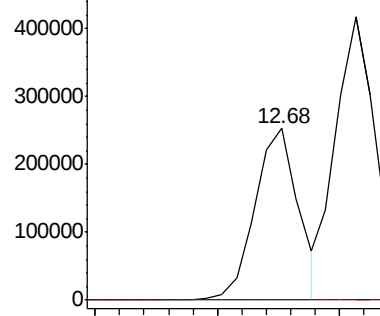
117 100

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: 11.49 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

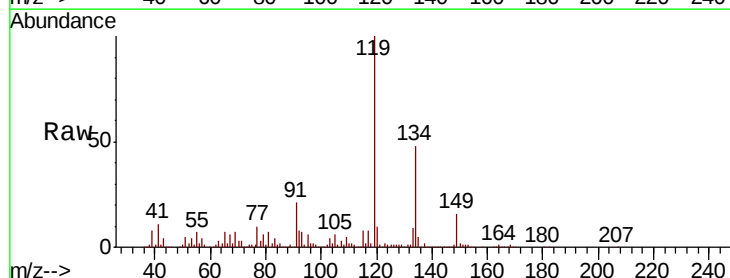
Tgt Ion: 75 Resp: 12215

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

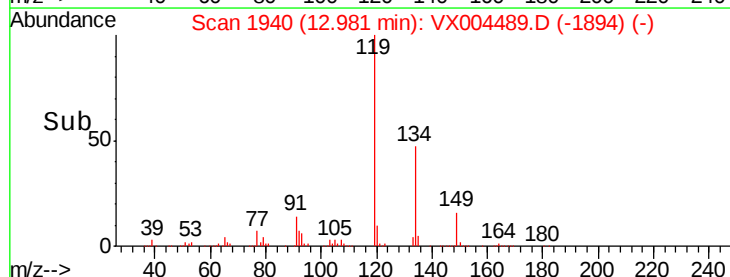
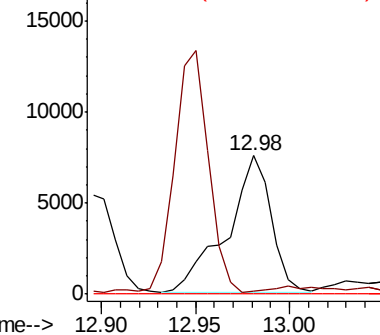
157 0.0 61.4 184.1#

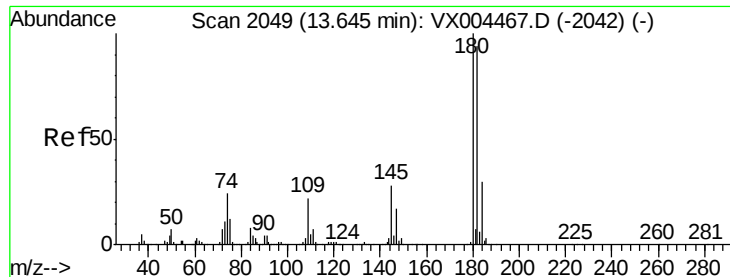


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

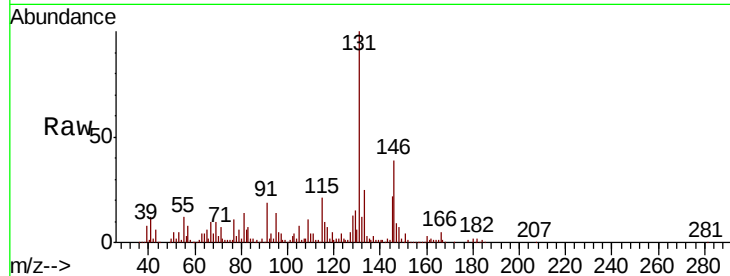




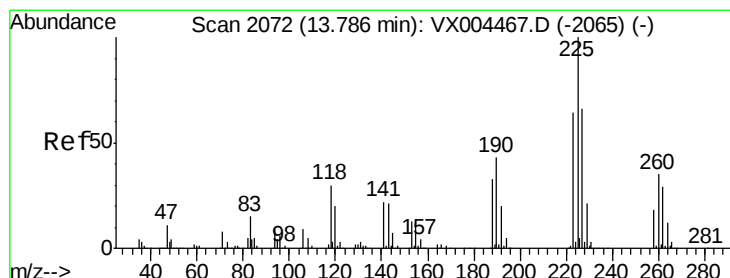
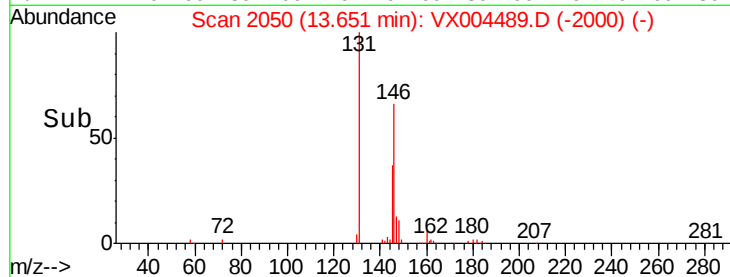
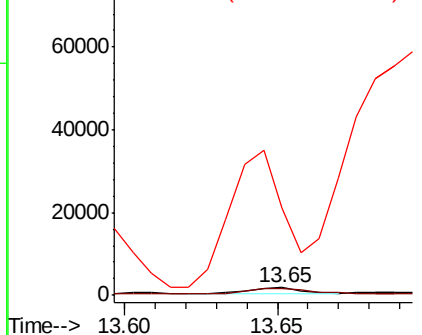
#93
 1,2,4-Trichlorobenzene
 Concen: 0.32 ug/l
 RT: 13.65 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-A(8-12)

Tot Ion:180 Resp: 1825
 Ion Ratio Lower Upper
 180 100
 182 116.3 48.4 145.0
 145 2431.4 14.3 42.9#

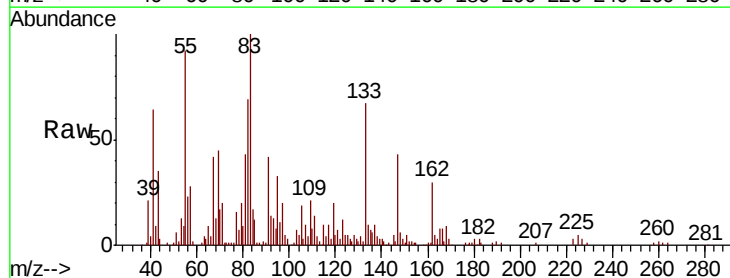


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

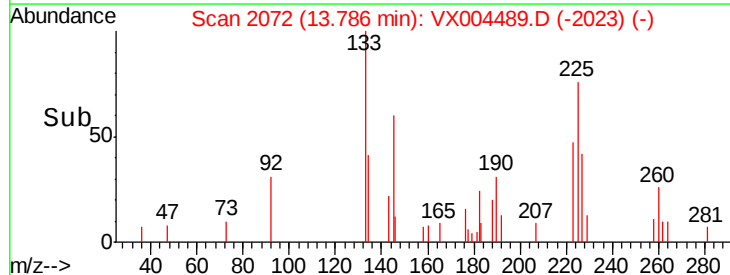
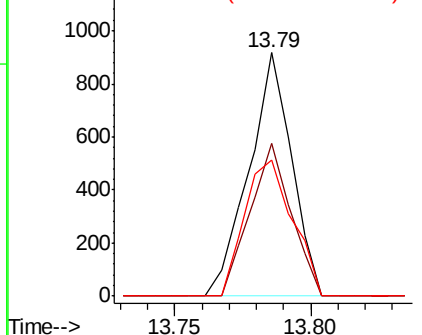


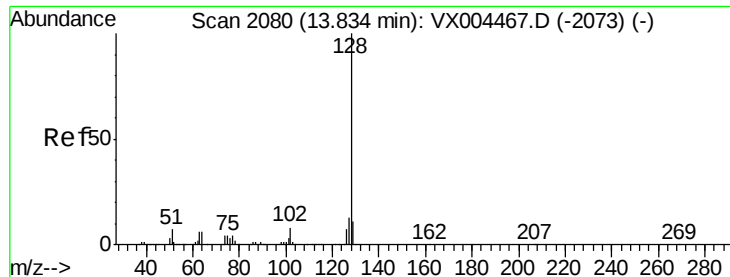
#94
 Hexachlorobutadiene
 Concen: 0.34 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004489.D
 Acq: 12 Sep 2018 12:46

Tgt Ion:225 Resp: 999
 Ion Ratio Lower Upper
 225 100
 223 60.0 30.1 90.5
 227 62.8 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.95 ug/l

RT: 13.81 min Scan# 2076

Delta R.T. -0.02 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-A(8-12)

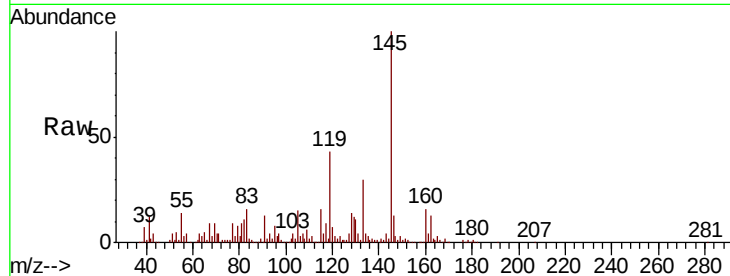
Tot Ion:128 Resp: 15219

Ion Ratio Lower Upper

128 100

127 30.7 10.2 15.2#

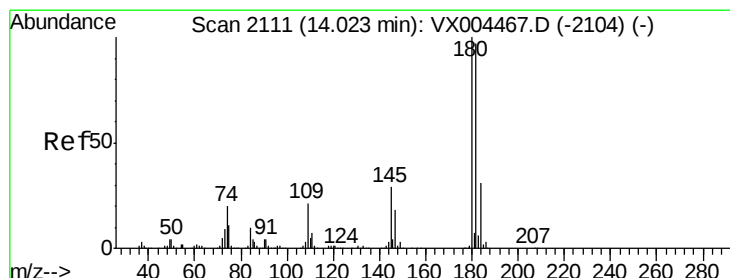
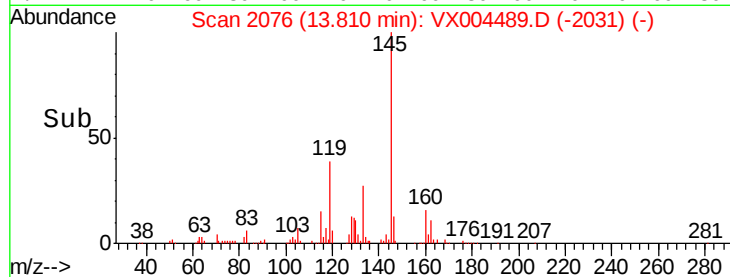
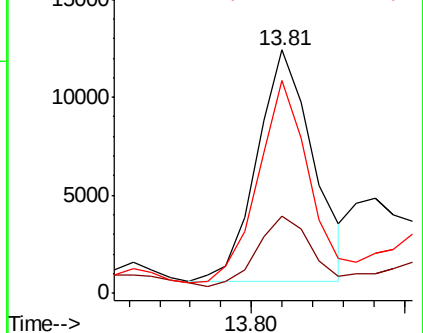
129 80.0 8.6 12.8#



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: 0.35 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004489.D

Acq: 12 Sep 2018 12:46

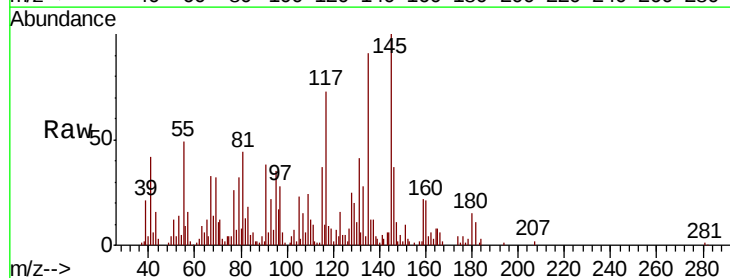
Tgt Ion:180 Resp: 2059

Ion Ratio Lower Upper

180 100

182 61.0 48.5 145.6

145 1307.2 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

