

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004538.D
 Acq On : 14 Sep 2018 14:27
 Operator : JC/MD
 Sample : J4892-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218

Quant Time: Sep 15 04:40:19 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	5.67	168	269155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364504	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207501	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	171734	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
35) Dibromofluoromethane	5.51	113	157945	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
50) Toluene-d8	8.72	98	555888	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.14	95	195380	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	11964	3.45	ug/l	# 51
5) Bromomethane	1.65	94	892	Below	Cal	# 74
10) Methyl Iodide	2.51	142	1307	4.59	ug/l	94
11) Tert butyl alcohol	3.06	59	811	0.98	ug/l	# 72
13) Acrolein	2.26	56	3529	10.80	ug/l	# 1
14) Allyl chloride	2.78	41	5832	1.01	ug/l	# 27
15) Acrylonitrile	3.17	53	2145	1.08	ug/l	# 16
16) Acetone	2.45	43	30504	18.01	ug/l	98
17) Carbon Disulfide	2.57	76	6567	0.81	ug/l	98
18) Methyl Acetate	2.76	43	3643	0.77	ug/l	# 51
20) Methylene Chloride	2.85	84	1642	0.47	ug/l	# 79
23) Vinyl Acetate	3.82	43	1890	0.22	ug/l	# 71
25) 2-Butanone	4.70	43	4500	1.67	ug/l	# 80
30) Chloroform	5.27	83	5255	0.92	ug/l	# 27
31) Cyclohexane	5.58	56	29544	5.89	ug/l	# 85
36) 1,1-Dichloropropene	5.67	75	17322	3.91	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	23545	5.45	ug/l	# 14
39) Methylcyclohexane	7.46	83	35762	7.74	ug/l	93
40) Benzene	6.15	78	8949	0.68	ug/l	92
41) Methacrylonitrile	5.07	41	857	0.31	ug/l	# 23
43) Isopropyl Acetate	6.46	43	1847	0.28	ug/l	# 59
48) Methyl methacrylate	7.73	41	4416	1.33	ug/l	# 56
51) 4-Methyl-2-Pentanone	8.67	43	2592	0.55	ug/l	# 85
52) Toluene	8.79	92	712104	92.05	ug/l	97
53) t-1,3-Dichloropropene	8.79	75	8405	1.91	ug/l	# 1
56) Ethyl methacrylate	9.16	69	1864	0.40	ug/l	# 29
58) 2-Chloroethyl Vinyl ether	8.30	63	42	7.29	ug/l	# 45
59) 2-Hexanone	9.51	43	1262	0.35	ug/l	88
67) Ethyl Benzene	10.26	91	5436030	382.56	ug/l	99
68) m/p-Xylenes	10.37	106	4277462	781.48	ug/l	95
69) o-Xylene	10.70	106	2088014	396.80	ug/l	99
70) Styrene	10.70	104	108413	12.44	ug/l	# 1
73) Isopropylbenzene	11.02	105	484777	35.47	ug/l	100
74) N-ethyl acetate	10.91	43	1435	0.25	ug/l	# 1

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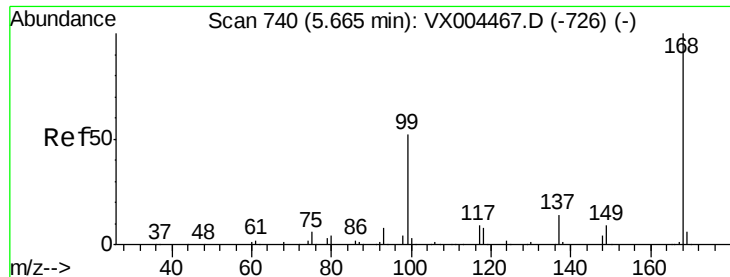
Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Sep 15 04:40:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 1,1,2,2-Tetrachloroethane	11.28	83	1540	0.35	ug/l #	45
76) 1,2,3-Trichloropropane	11.36	75	3945	0.94	ug/l #	1
78) n-propylbenzene	11.36	91	674828	42.95	ug/l	99
79) 2-Chlorotoluene	11.46	91	291387	30.58	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	1895705	165.01	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.02	75	5160	3.94	ug/l #	63
82) 4-Chlorotoluene	11.51	91	187209	16.83	ug/l #	44
83) tert-Butylbenzene	11.81	119	759318	69.42	ug/l #	62
84) 1,2,4-Trimethylbenzene	11.81	105	5683564	484.55	ug/l	98
85) sec-Butylbenzene	11.81	105	5683564	407.79	ug/l #	55
86) p-Isopropyltoluene	12.02	119	159800	12.98	ug/l	98
89) n-Butylbenzene	12.38	91	168856	15.06	ug/l #	1
90) Hexachloroethane	12.58	117	34264	17.39	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.97	75	3176	3.37	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1601	0.32	ug/l #	1
94) Hexachlorobutadiene	13.78	225	710	0.27	ug/l	97
95) Naphthalene	13.83	128	2770311	195.56	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1411	0.27	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

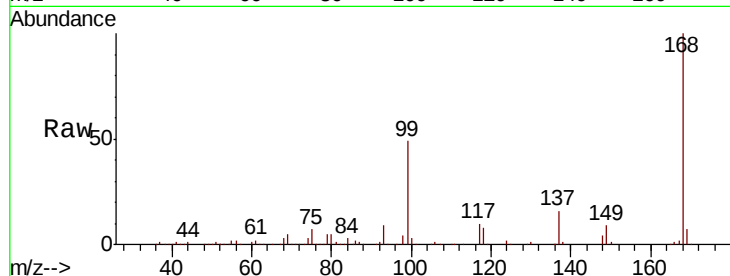
PR-MW-01-091218

Tot Ion:168 Resp: 269155

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

5.67

100000

80000

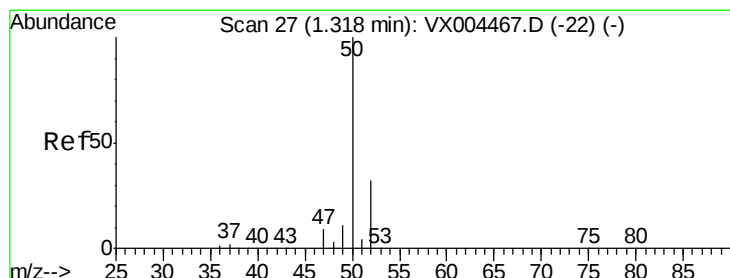
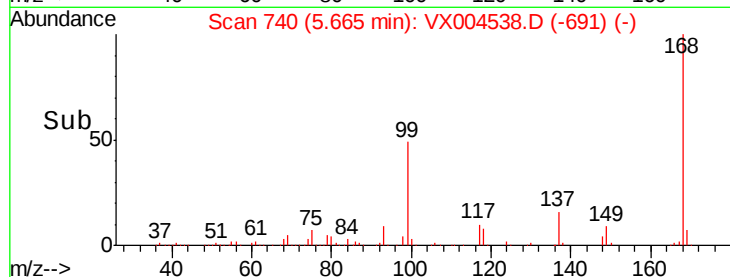
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 3.45 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004538.D

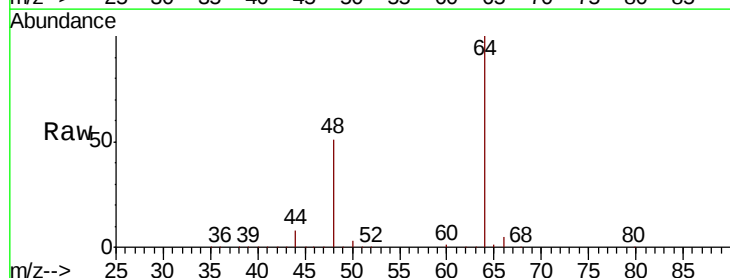
Acq: 14 Sep 2018 14:27

Tgt Ion: 50 Resp: 11964

Ion Ratio Lower Upper

50 100

52 4.9 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

4000

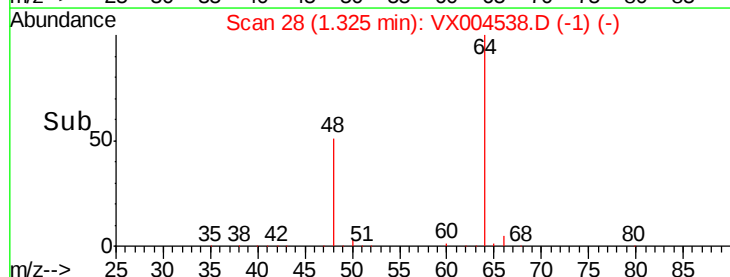
3000

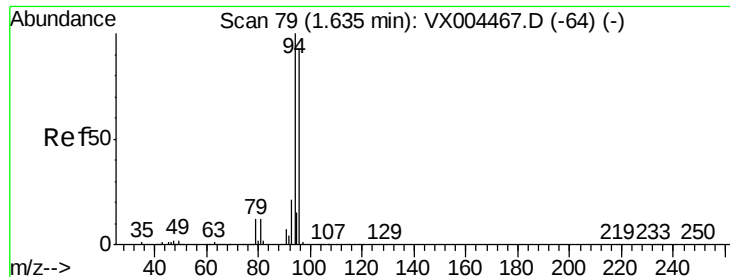
2000

1000

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

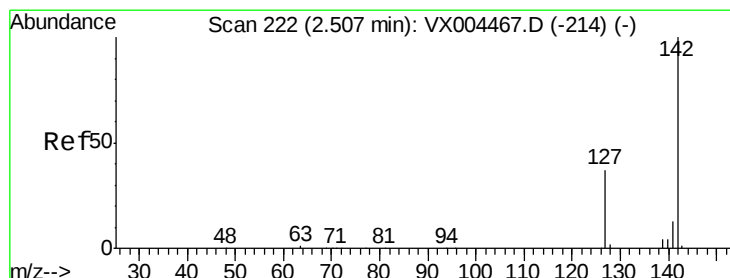
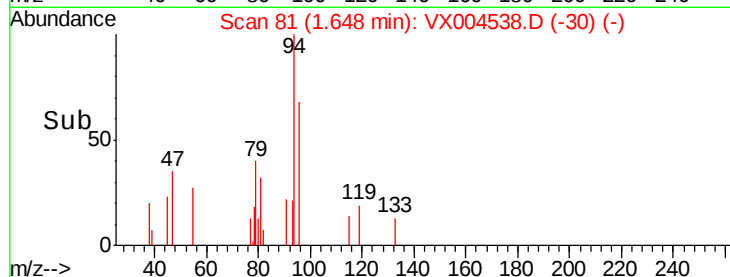
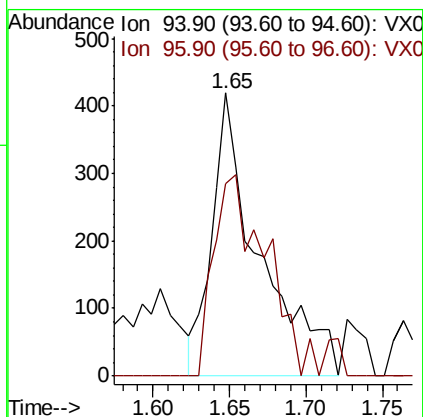
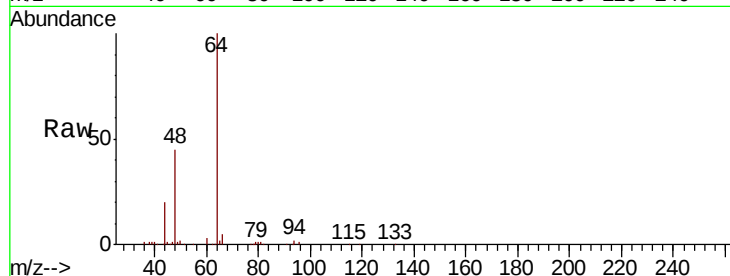
PR-MW-01-091218

Tot Ion: 94 Resp: 892

Ion Ratio Lower Upper

94 100

96 67.8 74.5 111.7#



#10

Methyl Iodide

Concen: 4.59 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

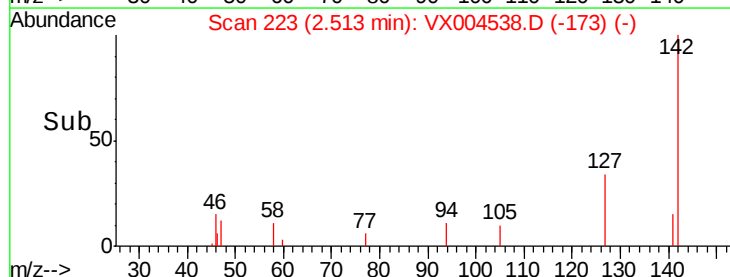
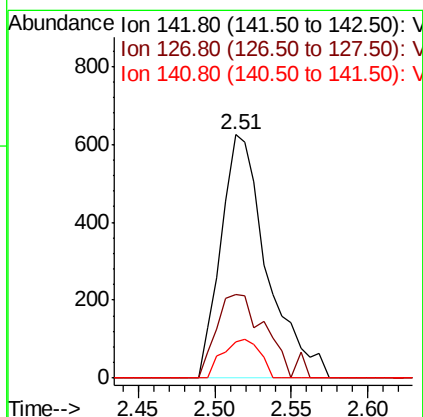
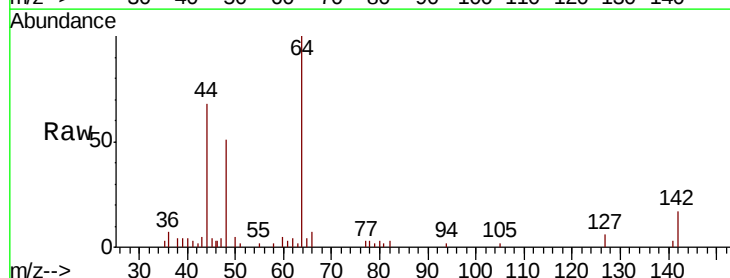
Tgt Ion: 142 Resp: 1307

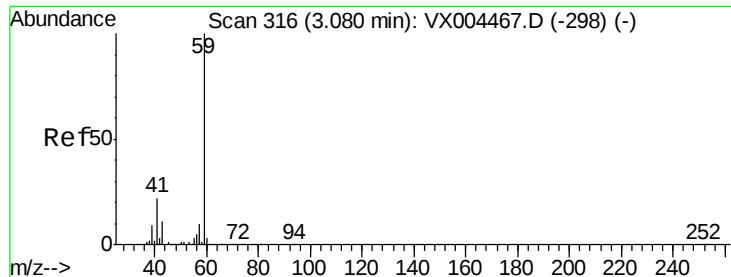
Ion Ratio Lower Upper

142 100

127 37.5 33.8 50.6

141 12.7 11.4 17.0



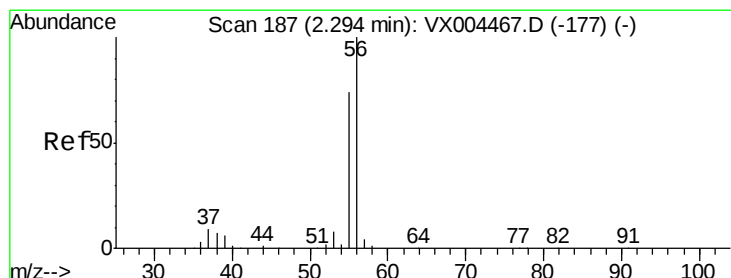
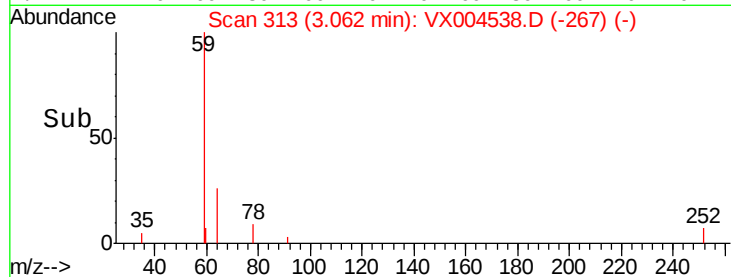
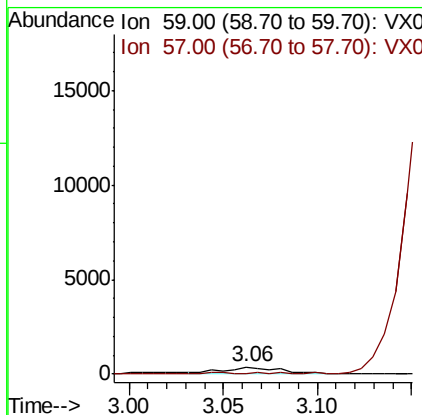
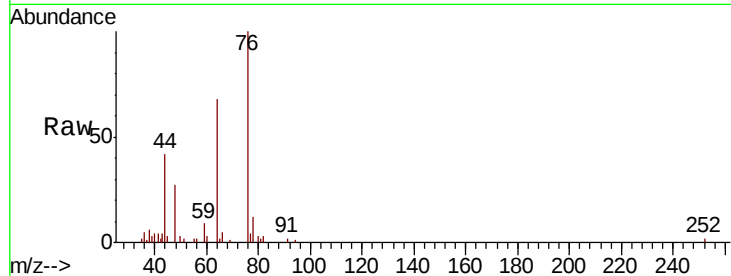


#11

Tert butyl alcohol
 Concen: 0.98 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218

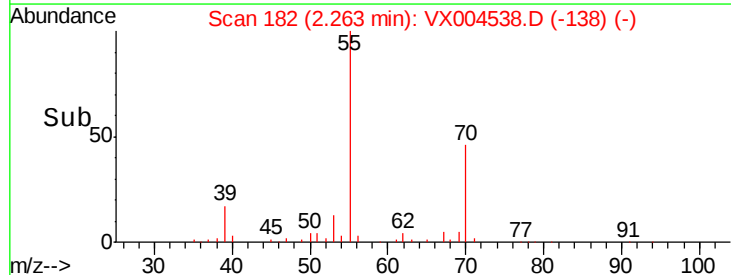
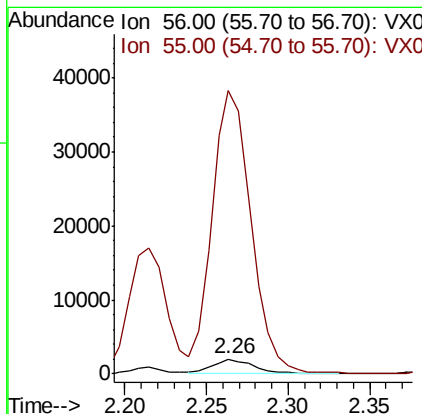
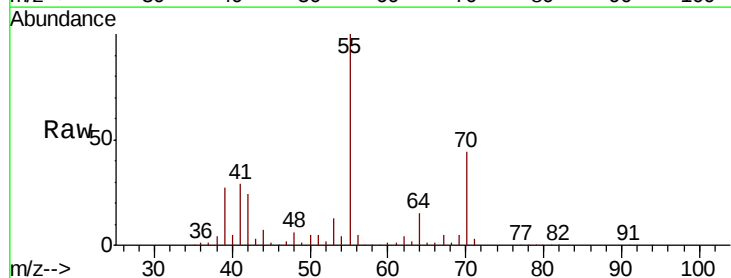
Tot Ion: 59 Resp: 811
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

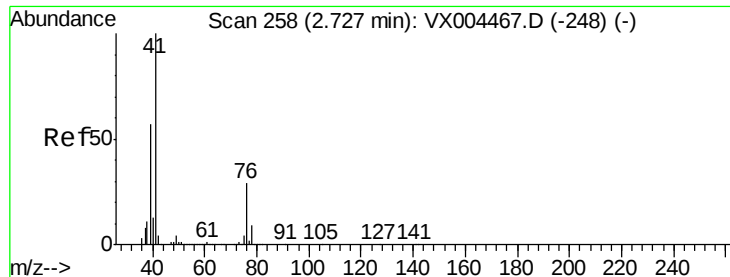


#13

Acrolein
 Concen: 10.80 ug/l
 RT: 2.26 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

Tgt Ion: 56 Resp: 3529
 Ion Ratio Lower Upper
 56 100
 55 1794.7 54.7 82.1#





#14

Allvl chloride

Concen: 1.01 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218

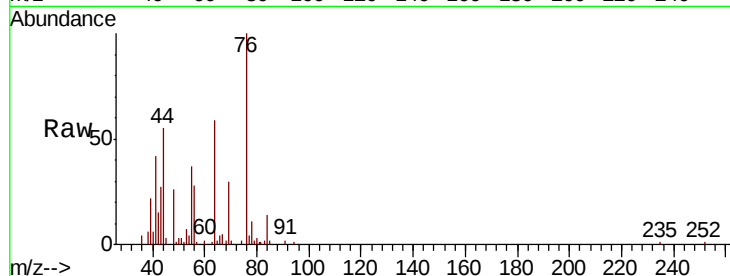
Tot Ion: 41 Resp: 5832

Ion Ratio Lower Upper

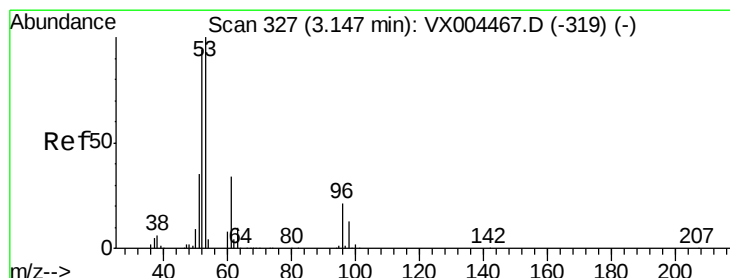
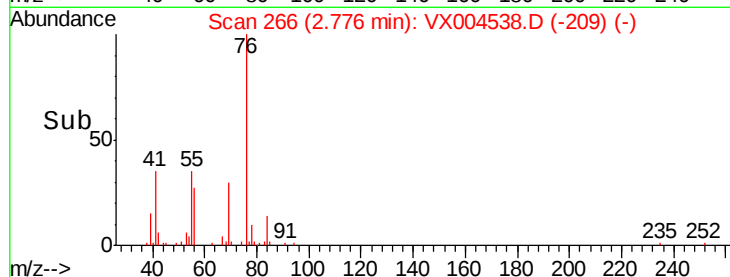
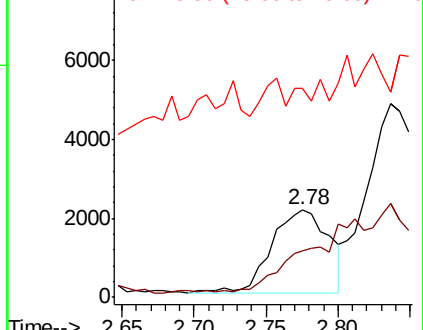
41 100

39 0.0 48.9 73.3#

76 0.0 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 1.08 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

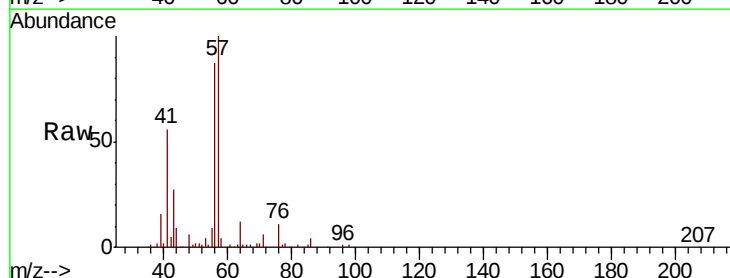
Tgt Ion: 53 Resp: 2145

Ion Ratio Lower Upper

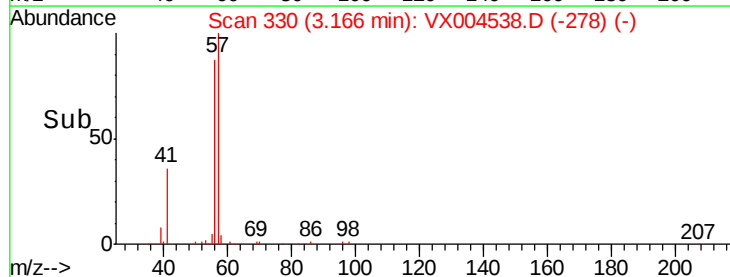
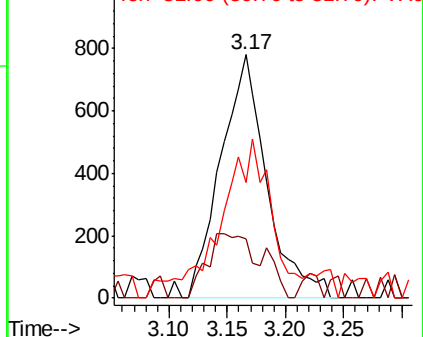
53 100

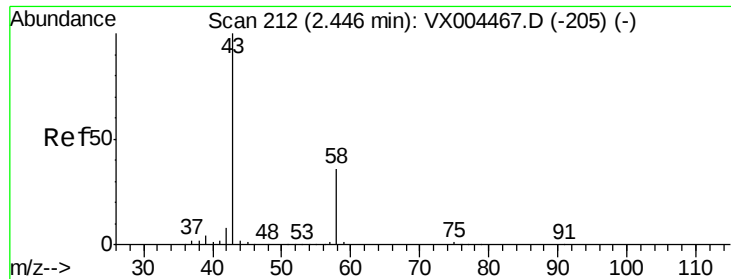
52 0.0 65.2 97.8#

51 73.3 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

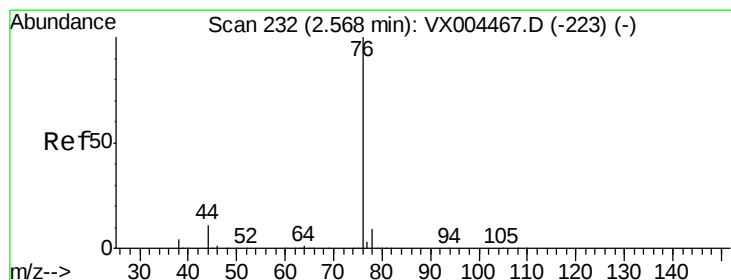
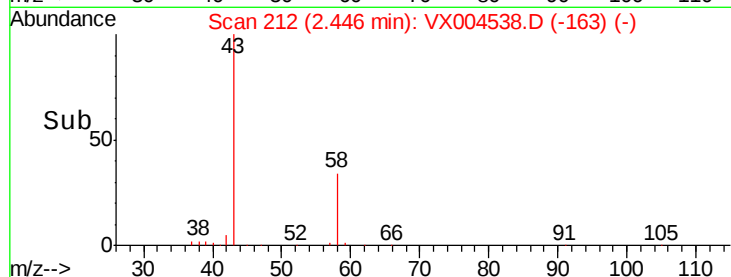
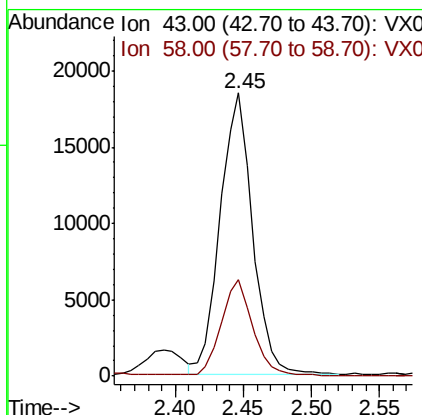
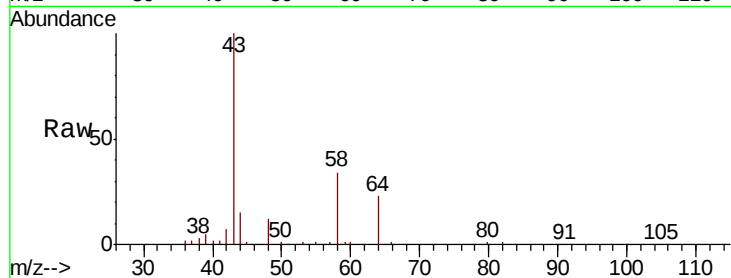




#16
Acetone
Concen: 18.01 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

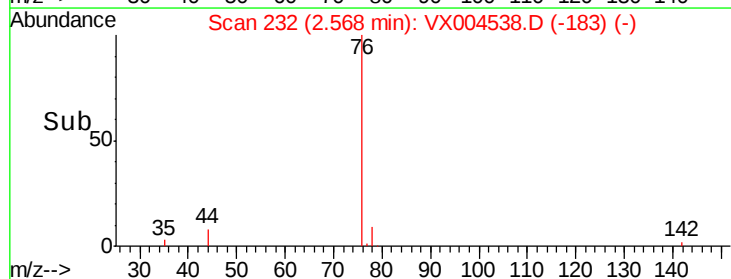
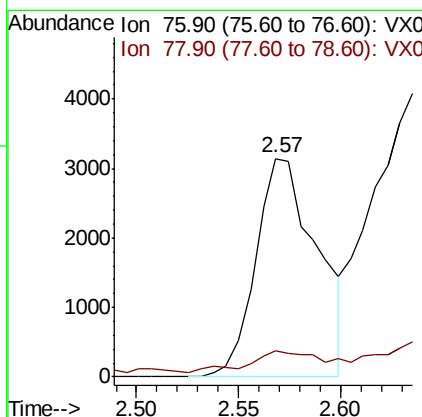
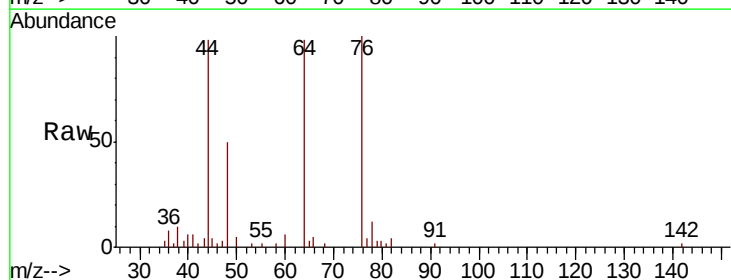
Instrument :
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PR-MW-01-091218

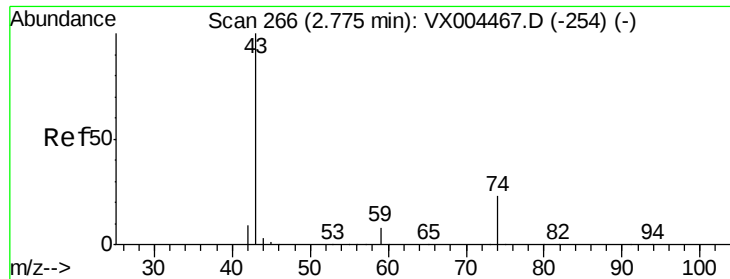
Tot Ion: 43 Resp: 30504
Ion Ratio Lower Upper
43 100
58 34.1 26.2 39.4



#17
Carbon Disulfide
Concen: 0.81 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion: 76 Resp: 6567
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6

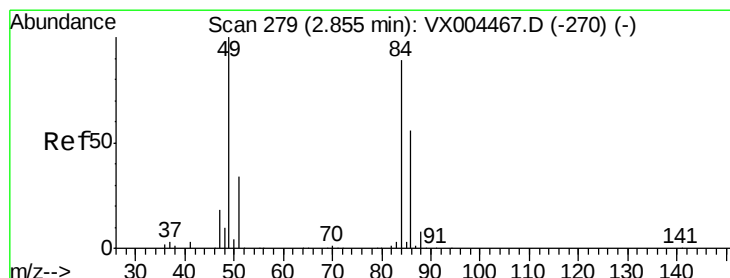
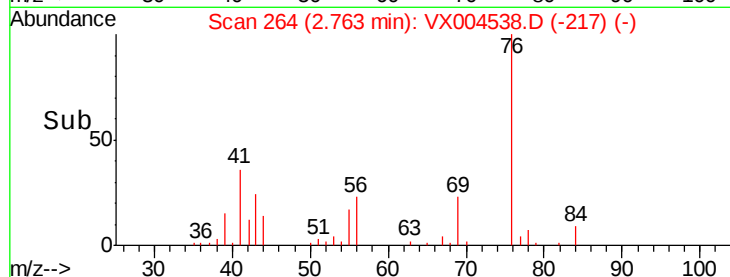
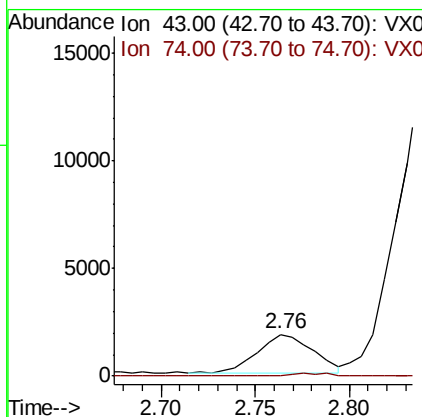
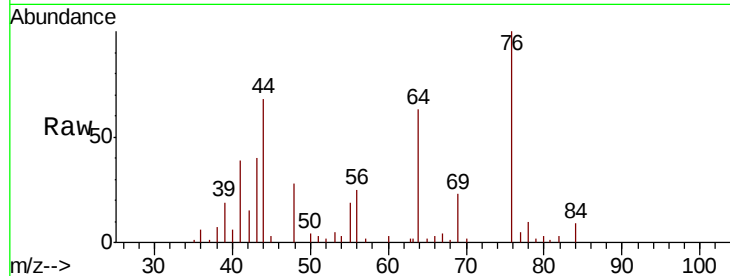




#18
Methyl Acetate
Concen: 0.77 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

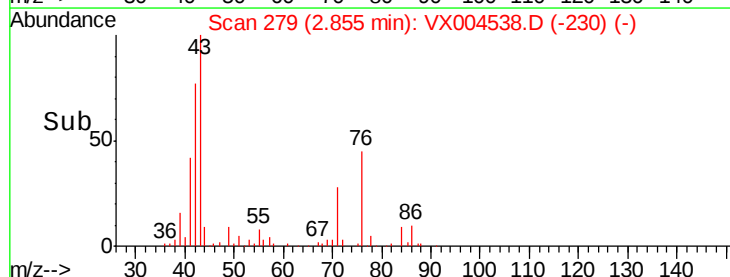
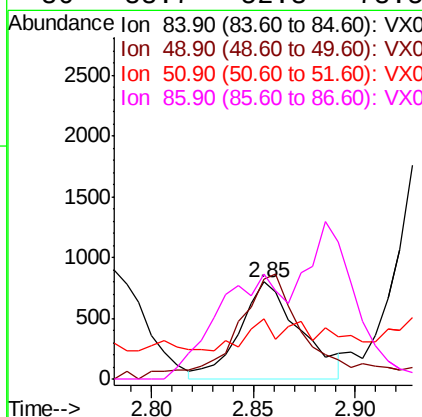
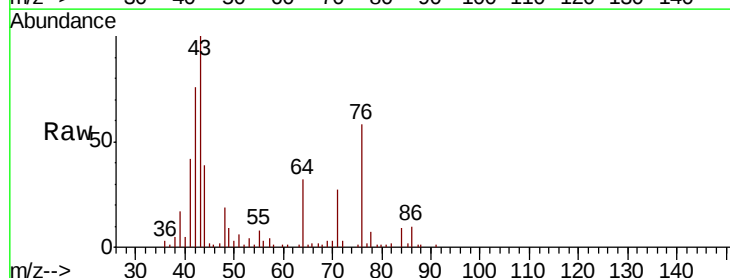
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

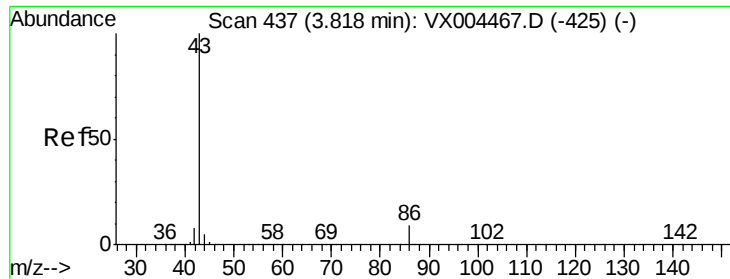
Tot Ion: 43 Resp: 3643
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 0.47 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion: 84 Resp: 1642
Ion Ratio Lower Upper
84 100
49 101.6 101.2 151.8
51 34.9 29.5 44.3
86 88.7 52.3 78.5#





#23

Vinyl Acetate

Concen: 0.22 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

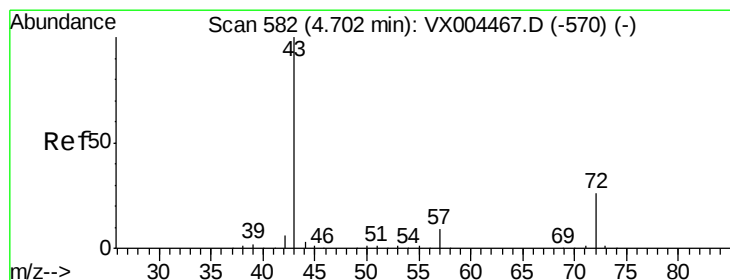
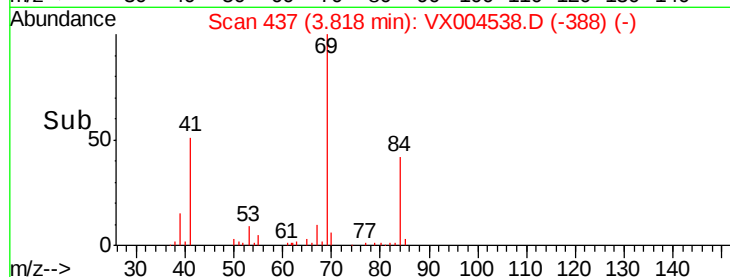
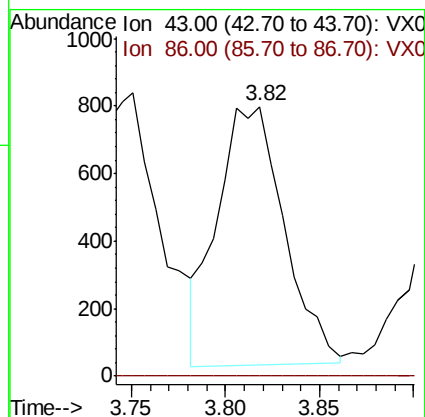
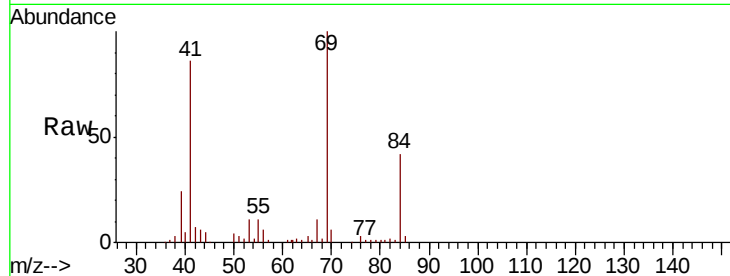
PR-MW-01-091218

Tot Ion: 43 Resp: 1890

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



#25

2-Butanone

Concen: 1.67 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004538.D

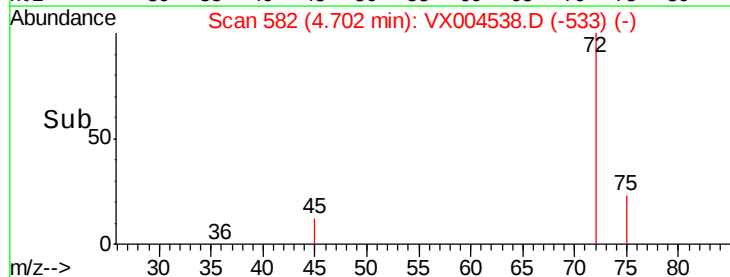
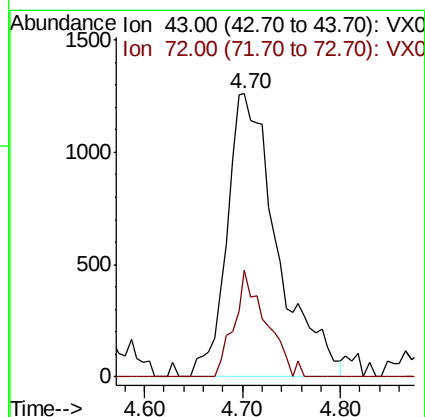
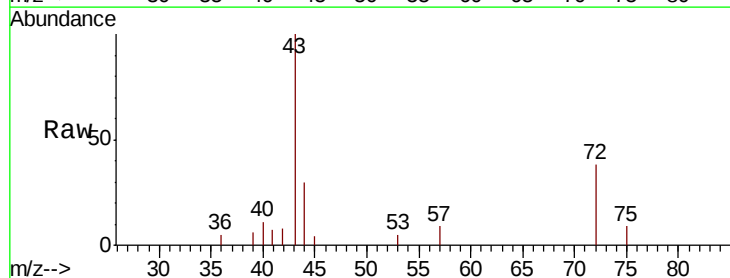
Acq: 14 Sep 2018 14:27

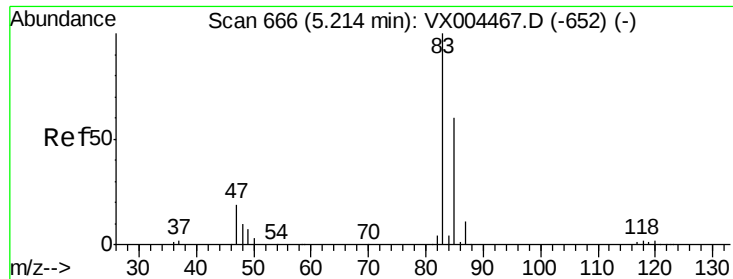
Tgt Ion: 43 Resp: 4500

Ion Ratio Lower Upper

43 100

72 37.8 22.0 33.0#

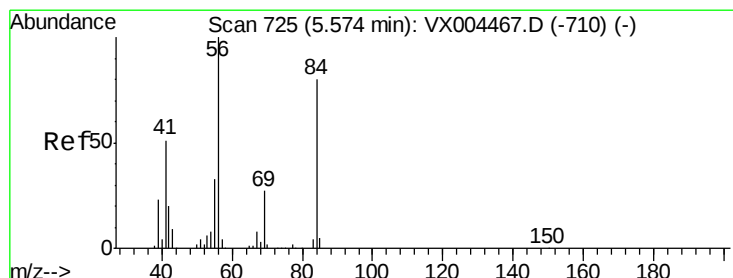
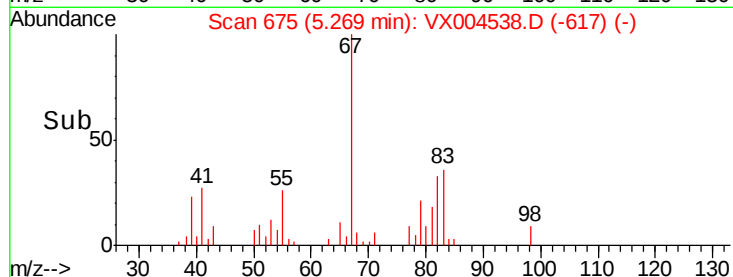
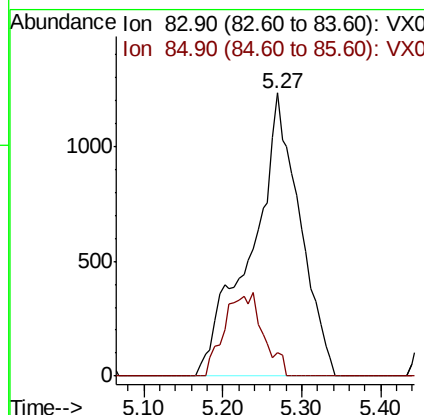
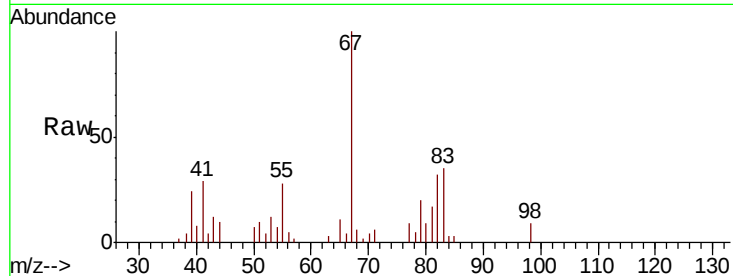




#30
Chloroform
Concen: 0.92 ug/l
RT: 5.27 min Scan# 675
Delta R.T. 0.05 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

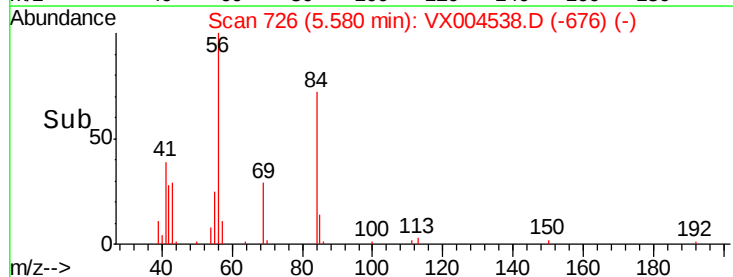
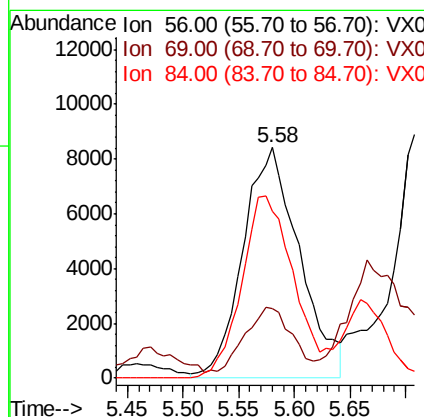
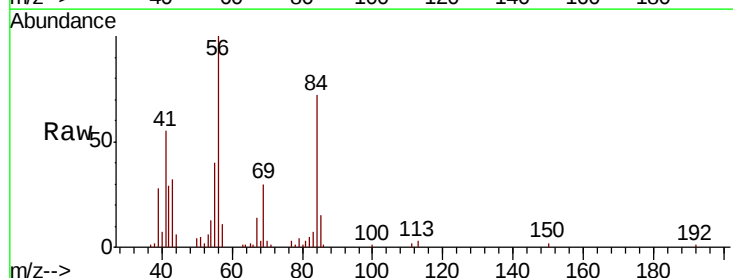
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

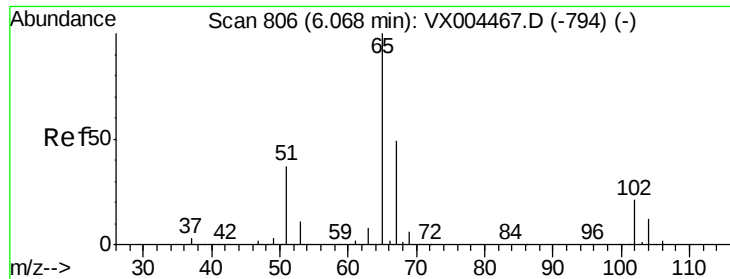
Tot Ion: 83 Resp: 5255
Ion Ratio Lower Upper
83 100
85 8.2 52.6 79.0#



#31
Cyclohexane
Concen: 5.89 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion: 56 Resp: 29544
Ion Ratio Lower Upper
56 100
69 25.1 25.4 38.2#
84 73.7 71.4 107.2





#33

1,2-Dichloroethane-d4

Concen: 49.48 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

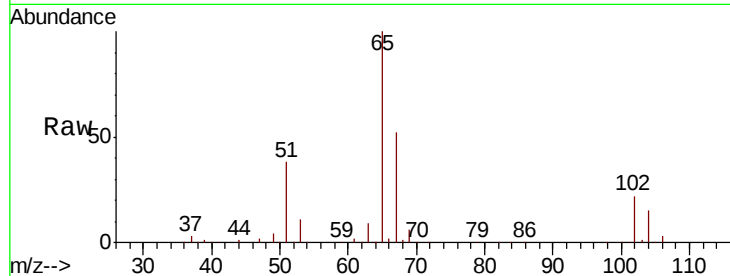
PR-MW-01-091218

Tot Ion: 65 Resp: 171734

Ion Ratio Lower Upper

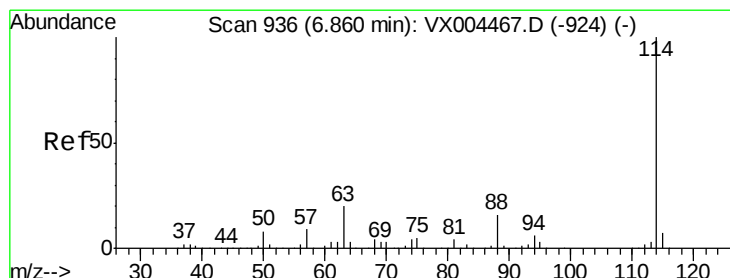
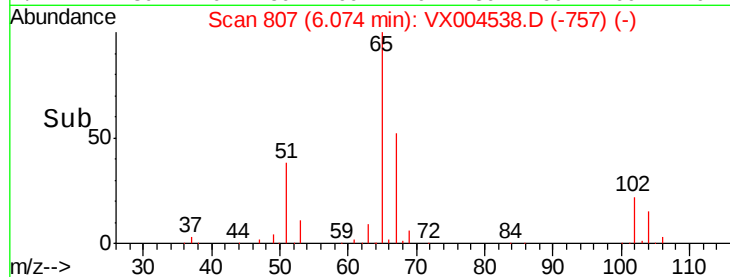
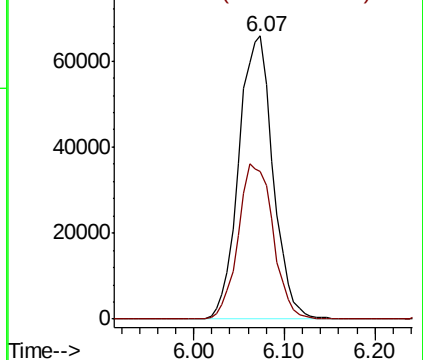
65 100

67 56.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

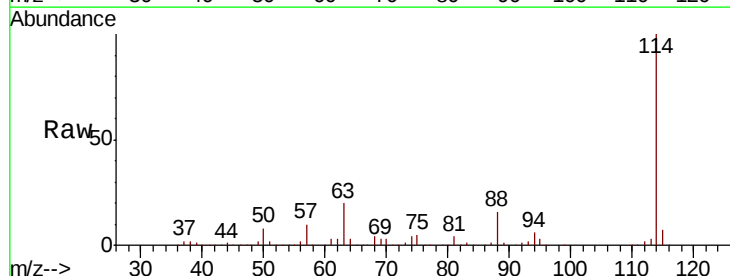
Tgt Ion:114 Resp: 364504

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

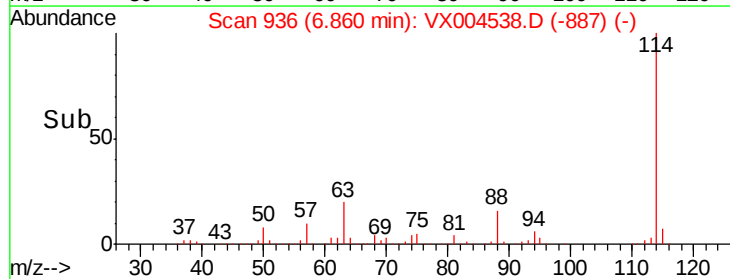
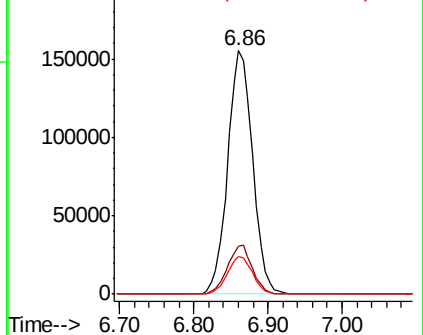
88 15.6 0.0 30.4

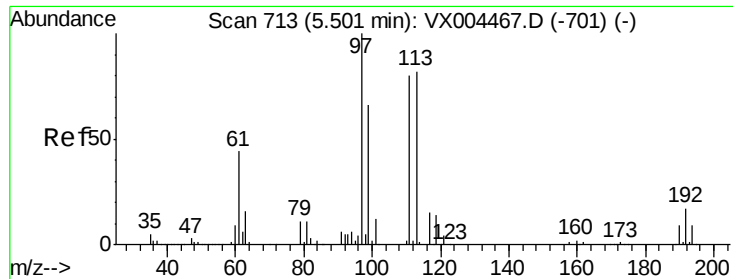


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

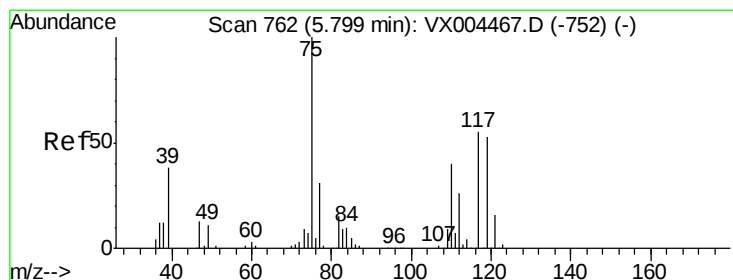
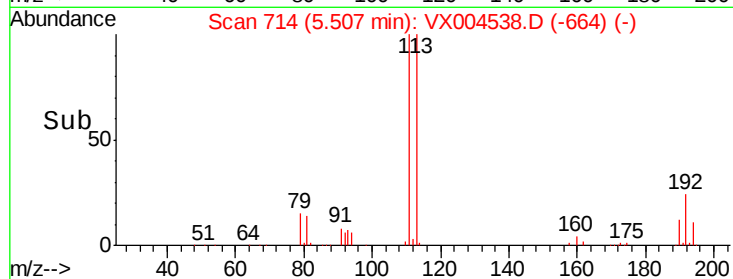
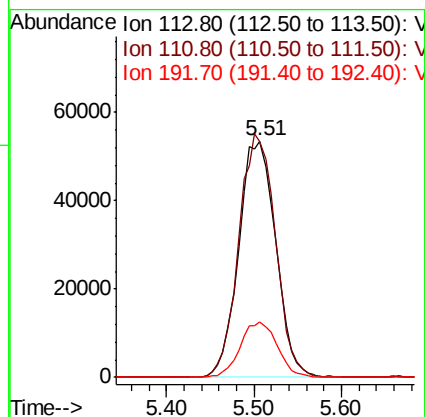
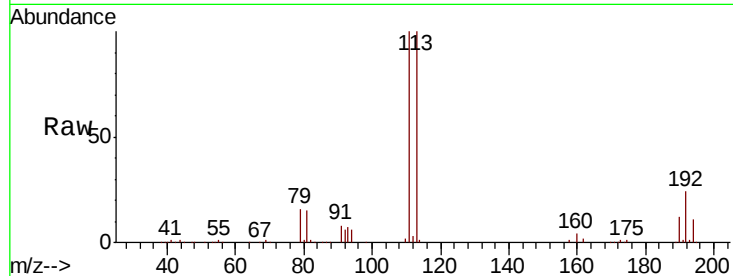




#35
 Dibromofluoromethane
 Concen: 47.35 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

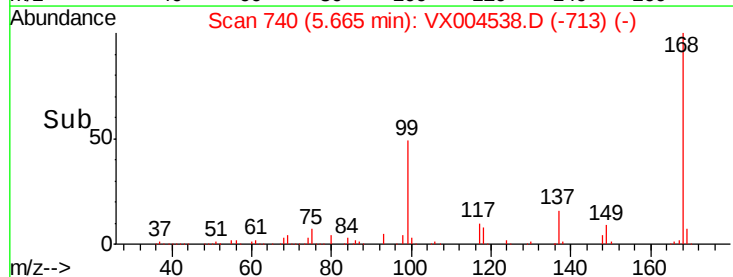
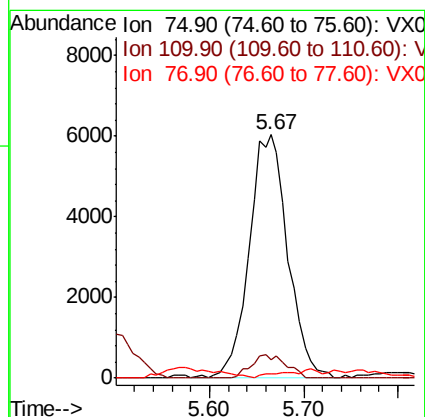
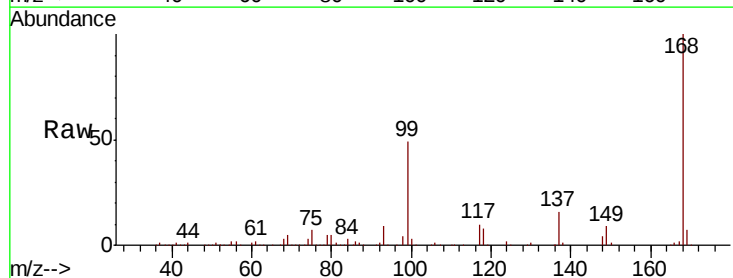
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218

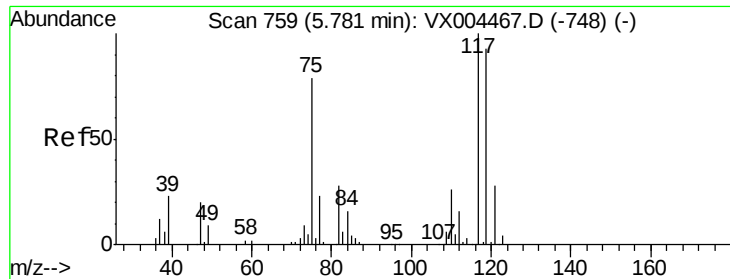
Tot Ion:113 Resp: 157945
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.4 123.6
 192 23.5 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

Tgt Ion: 75 Resp: 17322
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.0 54.0#
 77 0.0 24.6 36.8#

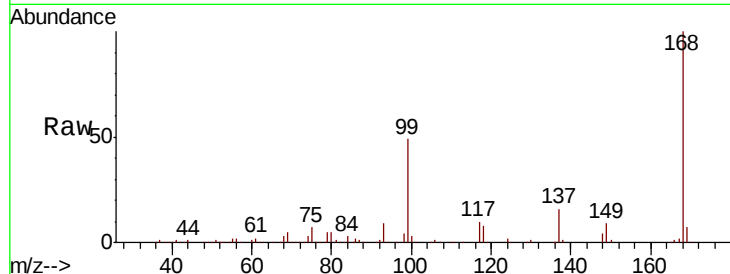




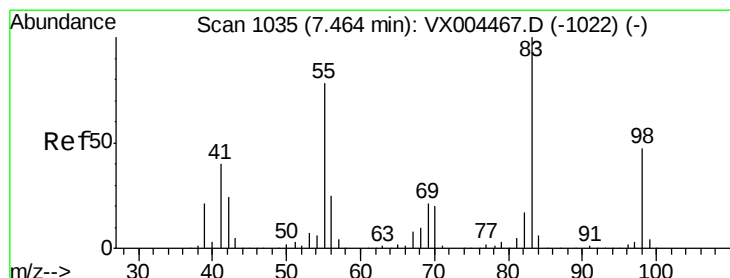
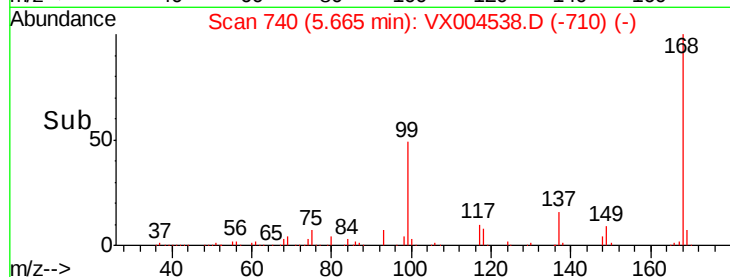
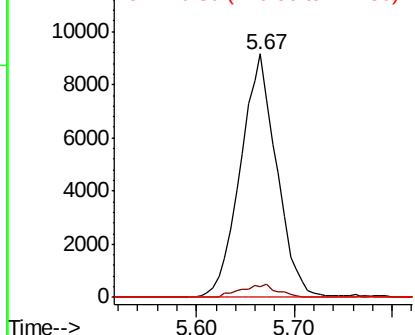
#38
Carbon Tetrachloride
Concen: 5.45 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

Tot Ion:117 Resp: 23545
Ion Ratio Lower Upper
117 100
119 4.1 78.8 118.2#
121 0.0 24.9 37.3#

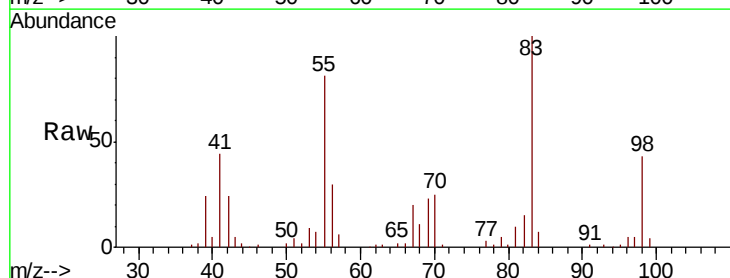


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

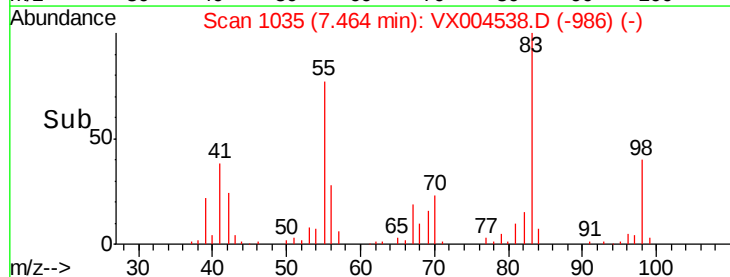
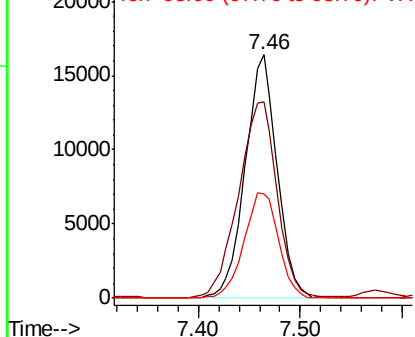


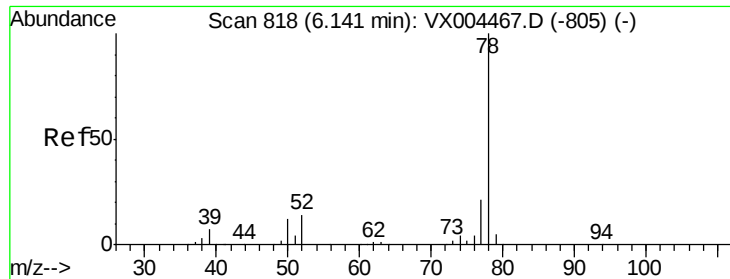
#39
Methylcyclohexane
Concen: 7.74 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion: 83 Resp: 35762
Ion Ratio Lower Upper
83 100
55 80.5 61.0 91.4
98 42.8 39.6 59.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.68 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

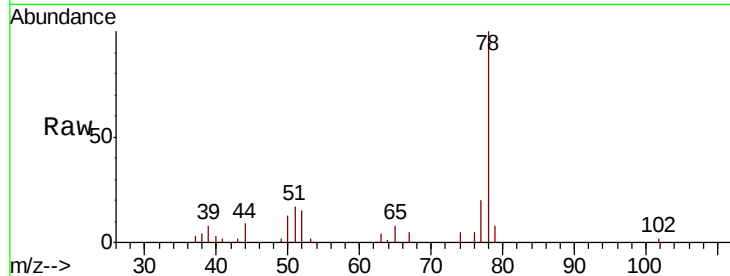
PR-MW-01-091218

Tot Ion: 78 Resp: 8949

Ion Ratio Lower Upper

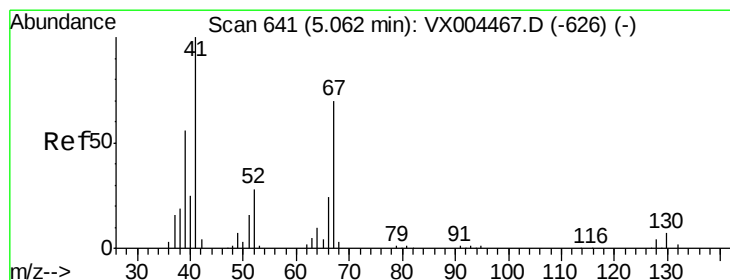
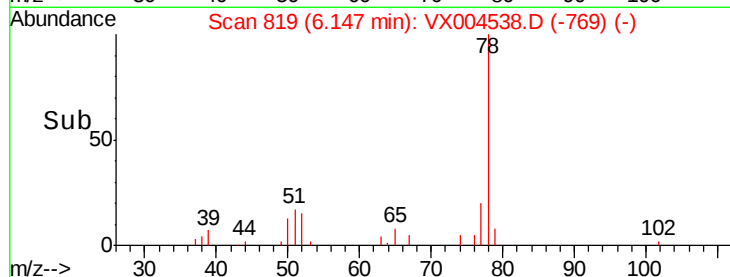
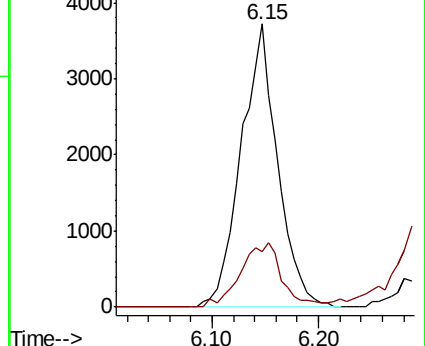
78 100

77 19.7 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 0.31 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Tgt Ion: 41 Resp: 857

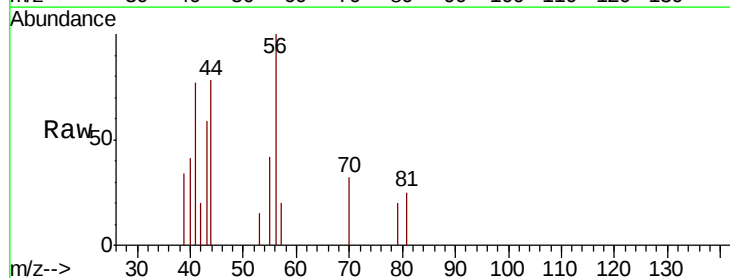
Ion Ratio Lower Upper

41 100

39 0.0 42.4 63.6#

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#

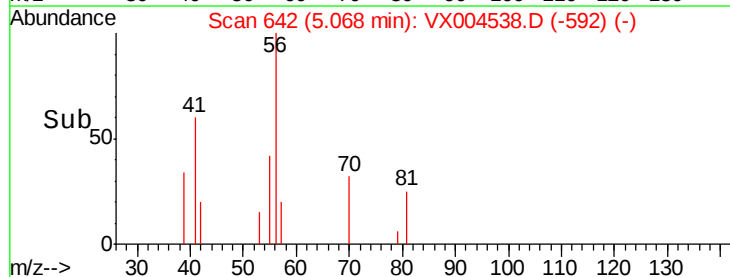
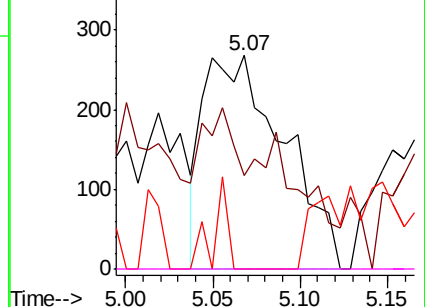


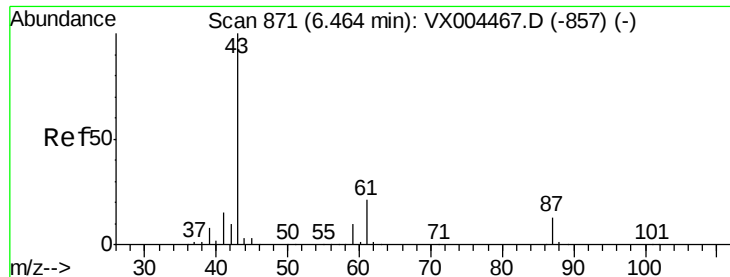
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 0.28 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218

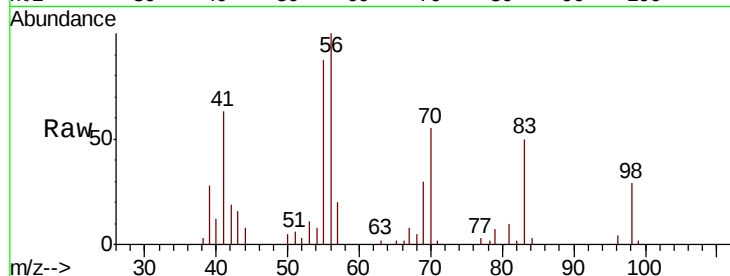
Tot Ion: 43 Resp: 1847

Ion Ratio Lower Upper

43 100

61 0.0 17.0 25.4#

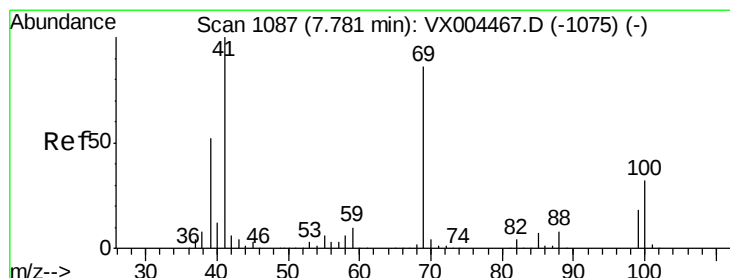
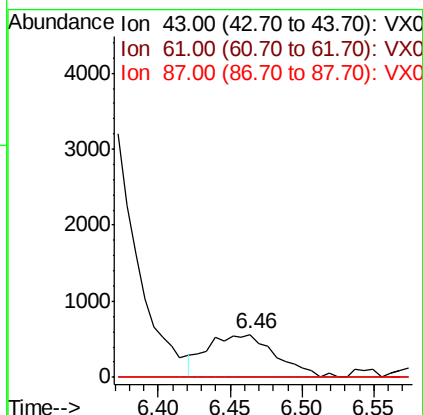
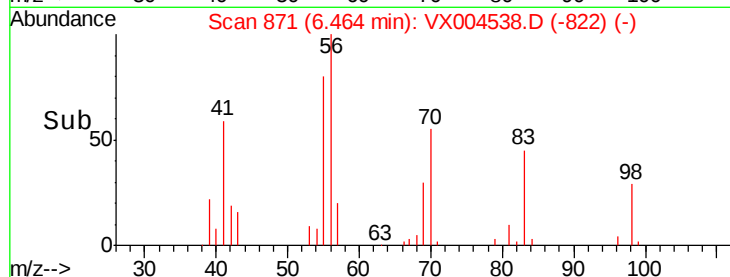
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.33 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.05 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

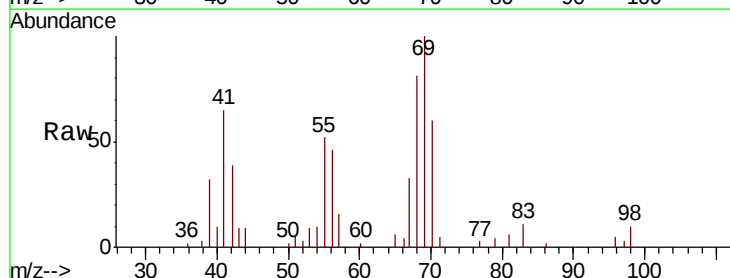
Tgt Ion: 41 Resp: 4416

Ion Ratio Lower Upper

41 100

69 153.3 70.2 105.4#

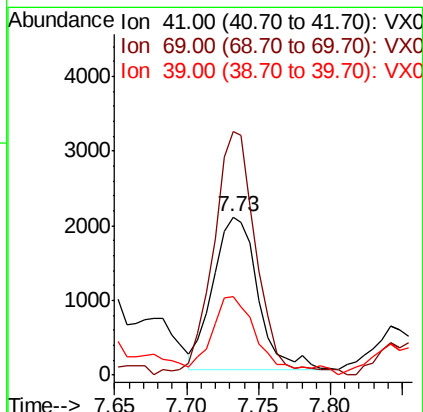
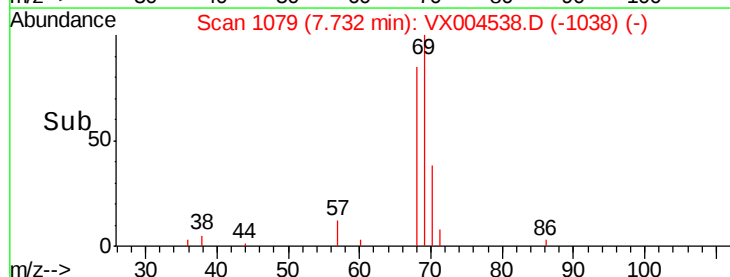
39 54.3 42.7 64.1

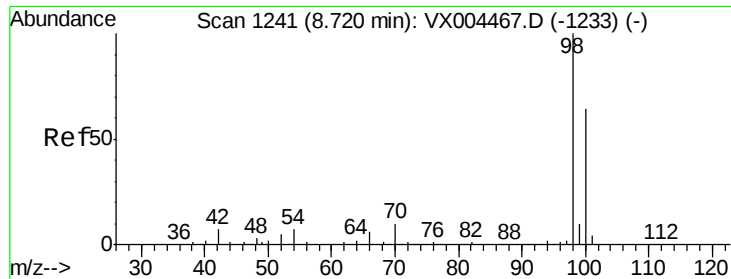


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

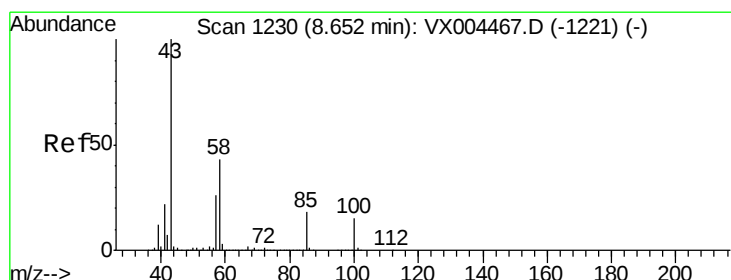
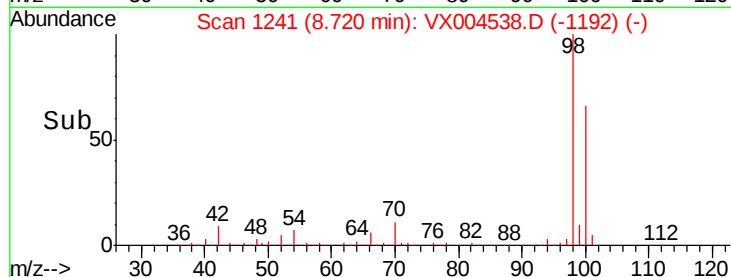
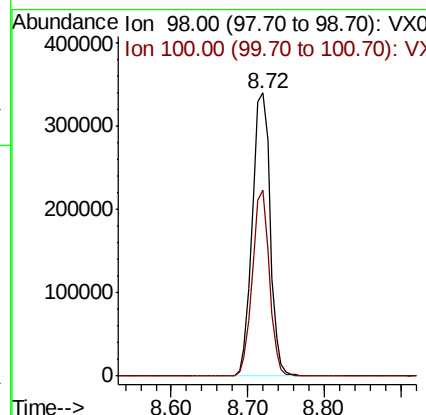
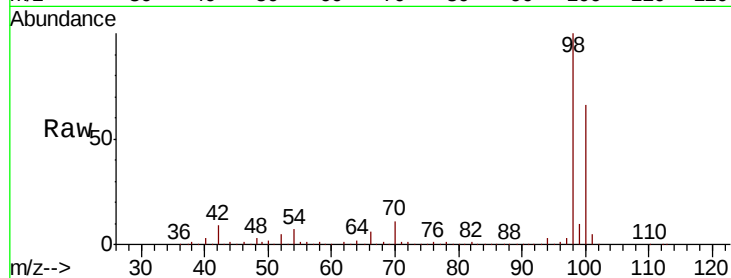




#50
Toluene-d8
Concen: 49.70 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

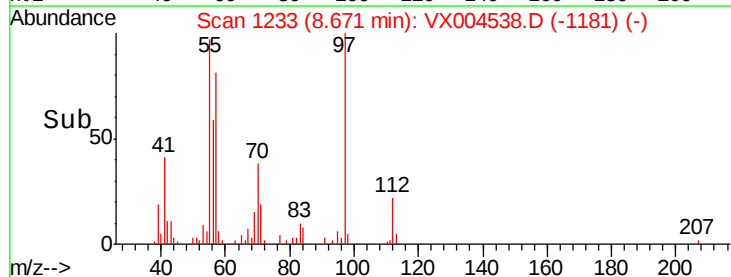
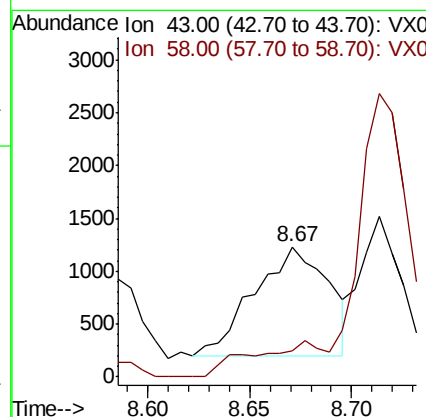
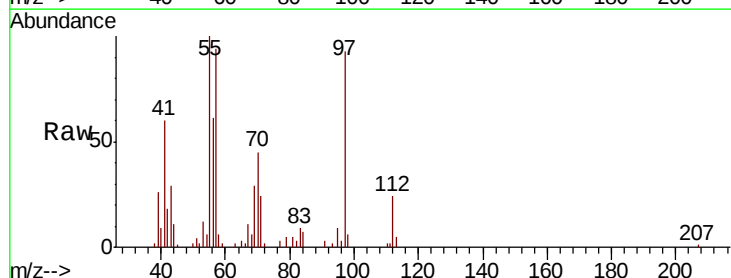
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

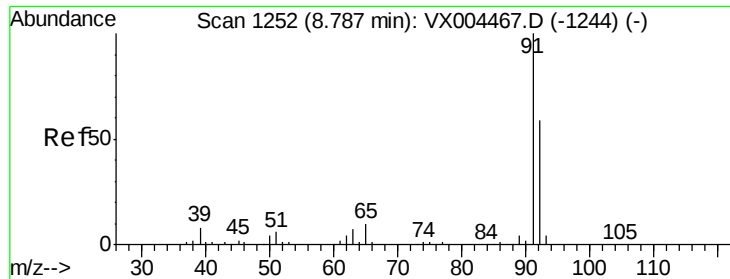
Tot Ion: 98 Resp: 555888
Ion Ratio Lower Upper
98 100
100 62.3 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.55 ug/l
RT: 8.67 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion: 43 Resp: 2592
Ion Ratio Lower Upper
43 100
58 32.0 33.1 49.7#





#52

Toluene

Concen: 92.05 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

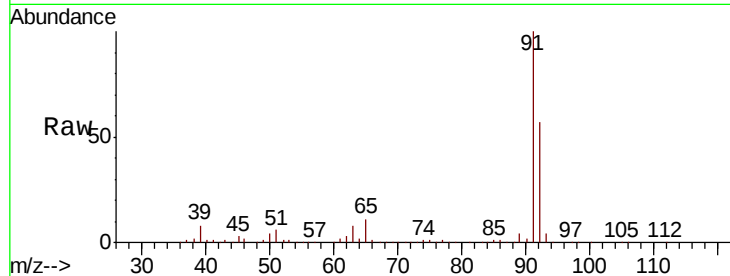
PR-MW-01-091218

Tot Ion: 92 Resp: 712104

Ion Ratio Lower Upper

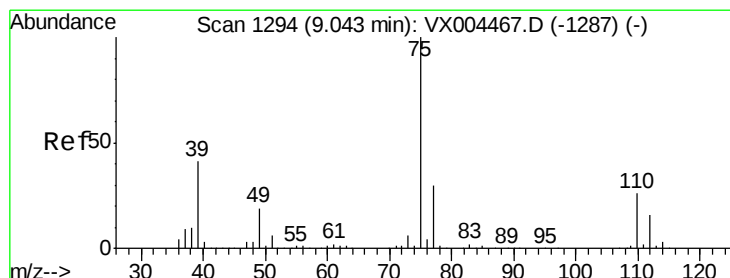
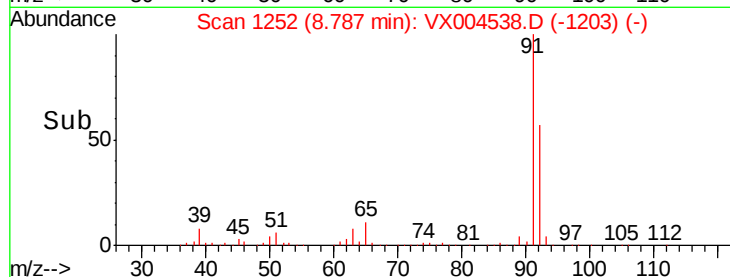
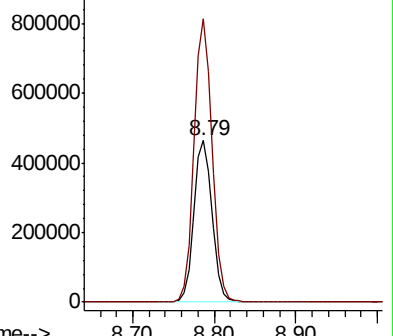
92 100

91 174.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 1.91 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.26 min

Lab File: VX004538.D

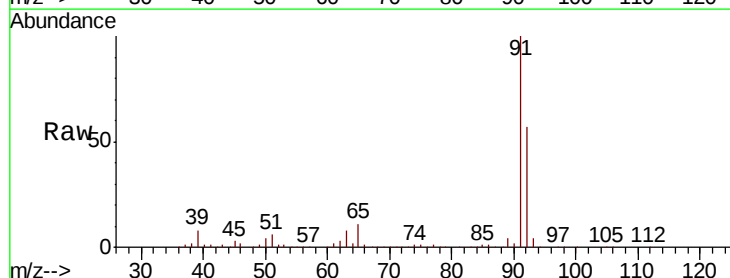
Acq: 14 Sep 2018 14:27

Tgt Ion: 75 Resp: 8405

Ion Ratio Lower Upper

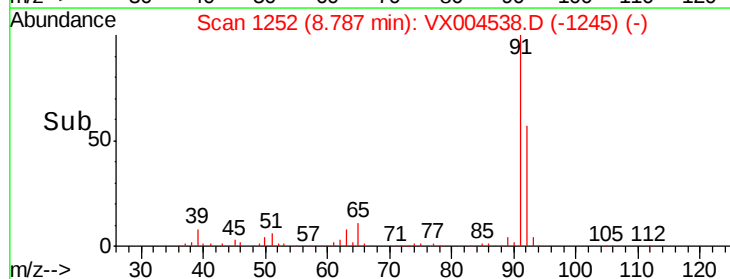
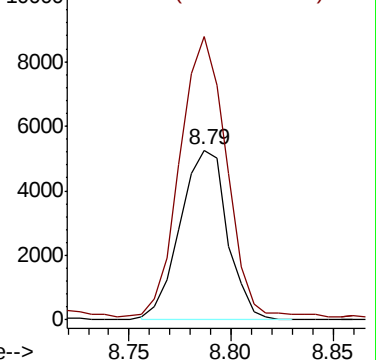
75 100

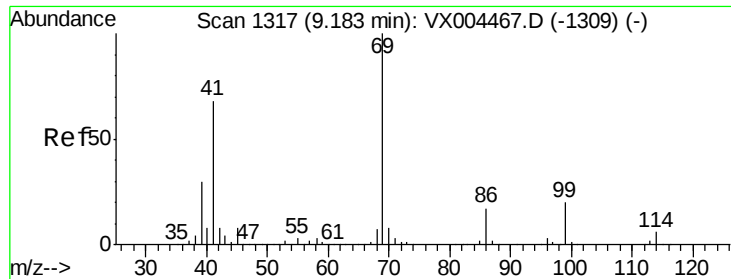
77 163.4 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

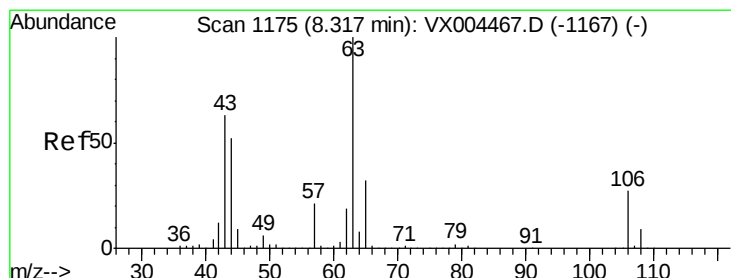
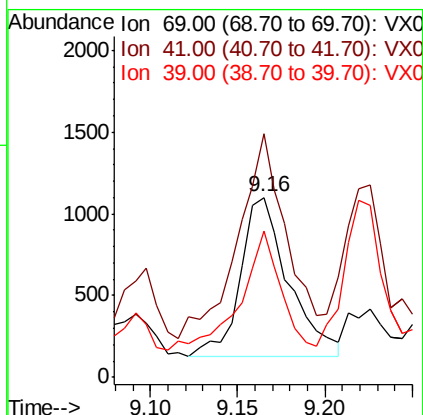
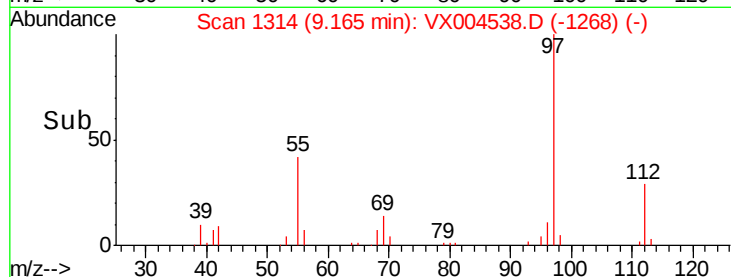
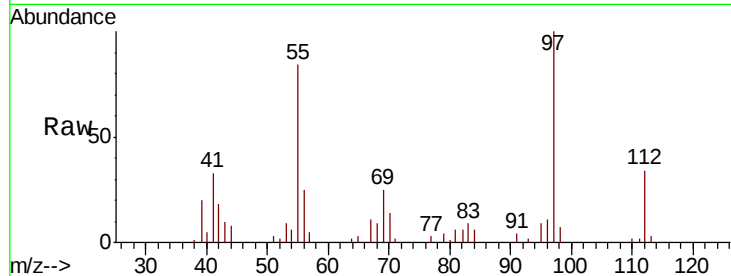




#56
Ethyl methacrylate
Concen: 0.40 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

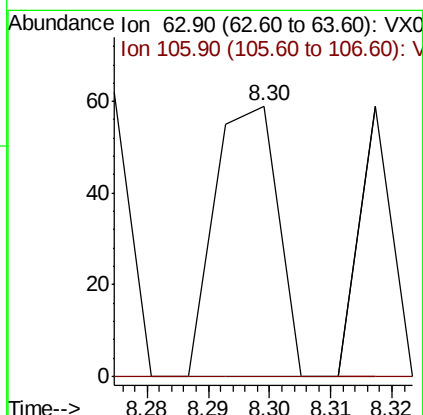
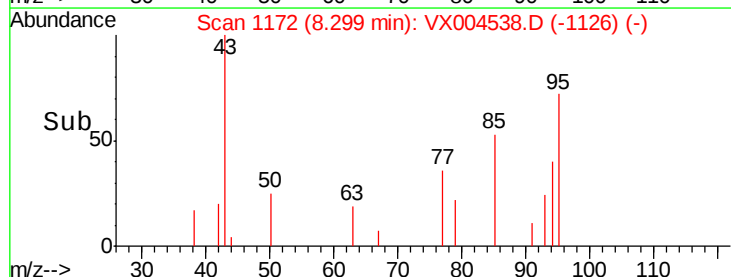
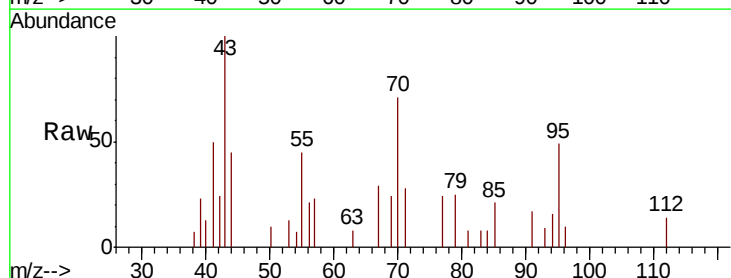
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

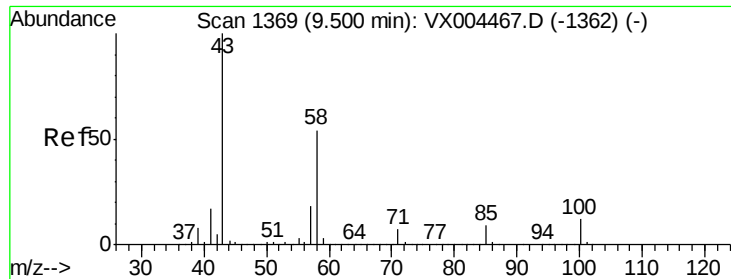
Tot Ion: 69 Resp: 1864
Ion Ratio Lower Upper
69 100
41 127.1 51.0 76.4#
39 61.5 26.1 39.1#



#58
2-Chloroethyl Vinyl ether
Concen: 7.29 ug/l
RT: 8.30 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion: 63 Resp: 42
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

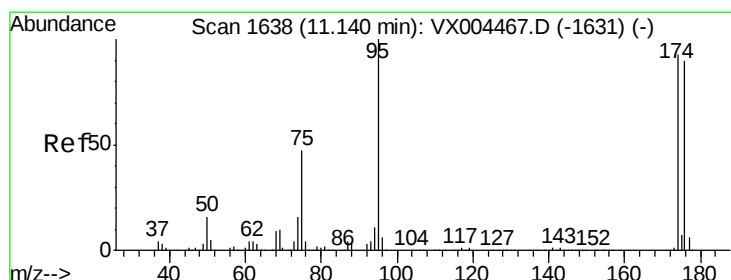
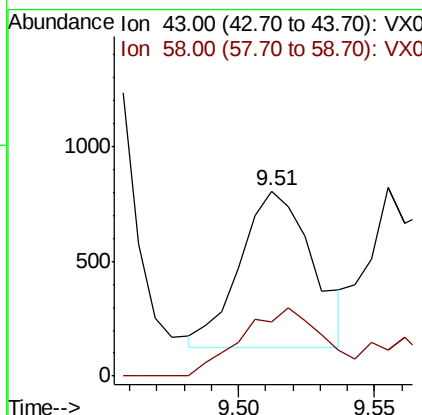
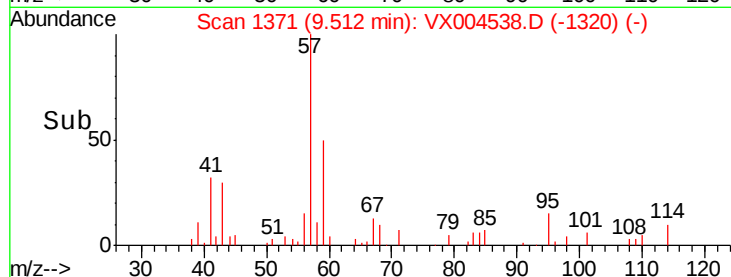
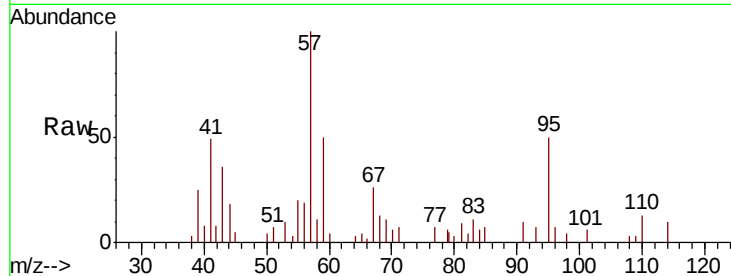




#59
2-Hexanone
Concen: 0.35 ug/l
RT: 9.51 min Scan# 1371
Delta R.T. 0.01 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

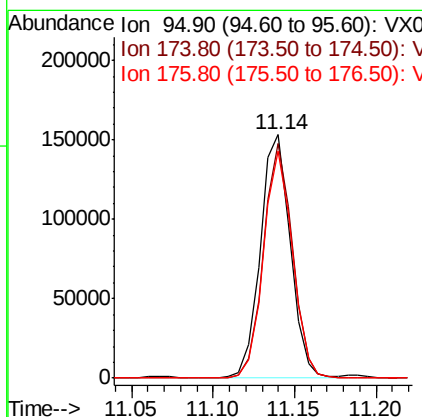
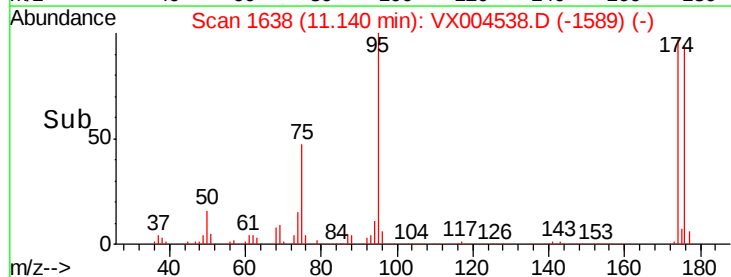
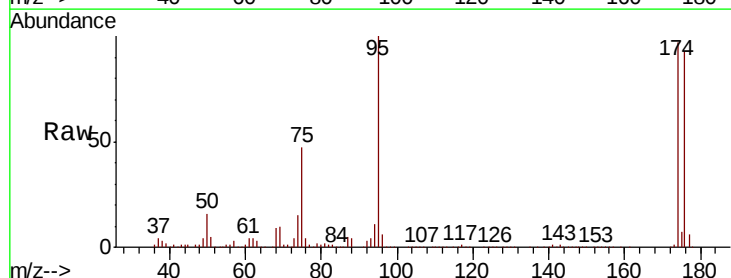
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

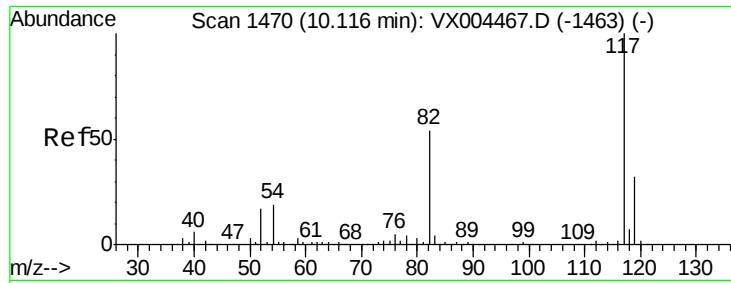
Tot Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
58 49.1 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 48.93 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion: 95 Resp: 195380
Ion Ratio Lower Upper
95 100
174 92.7 0.0 185.2
176 90.1 0.0 178.6

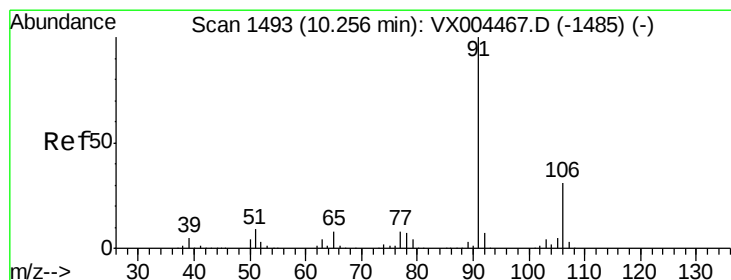
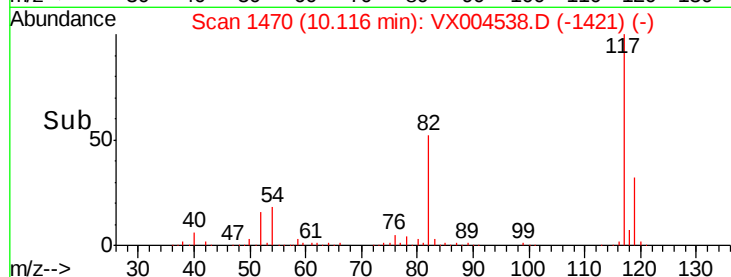
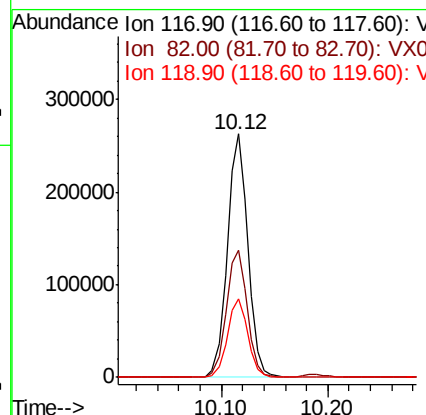
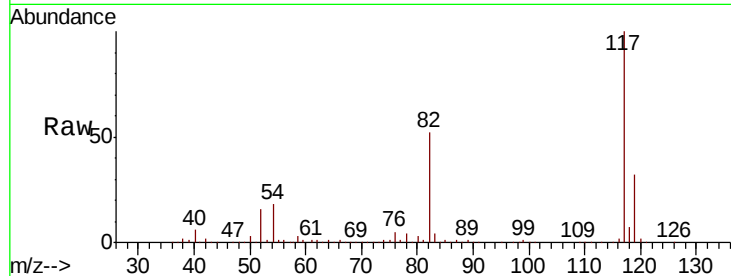




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

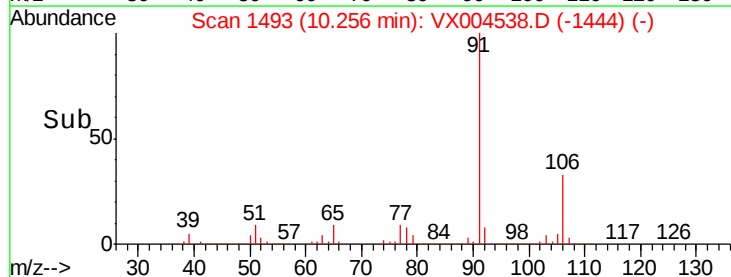
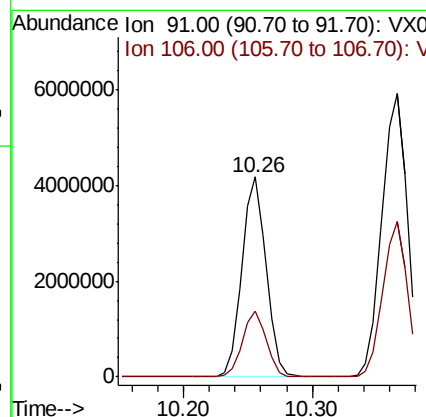
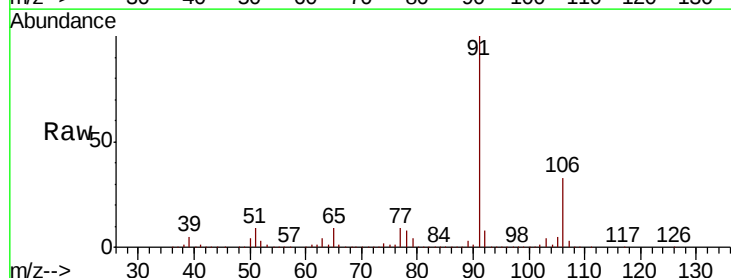
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

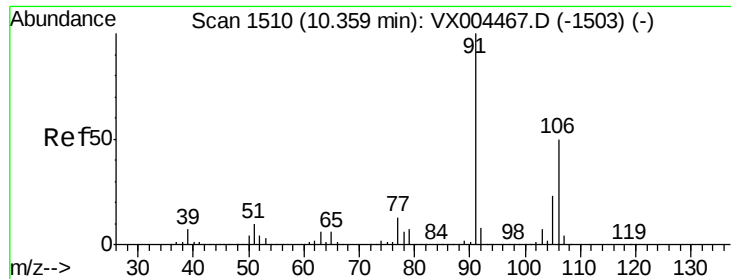
Tot Ion:117 Resp: 351811
Ion Ratio Lower Upper
117 100
82 52.2 47.8 71.6
119 32.2 29.3 43.9



#67
Ethyl Benzene
Concen: 382.56 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion: 91 Resp: 5436030
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9

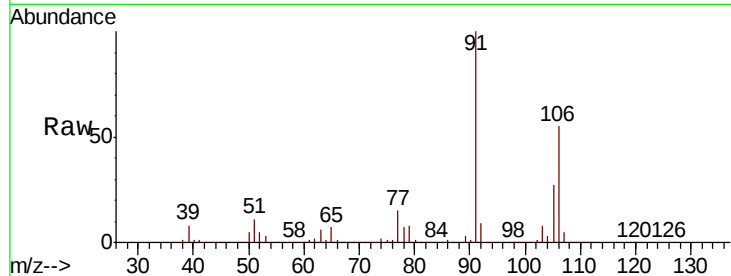




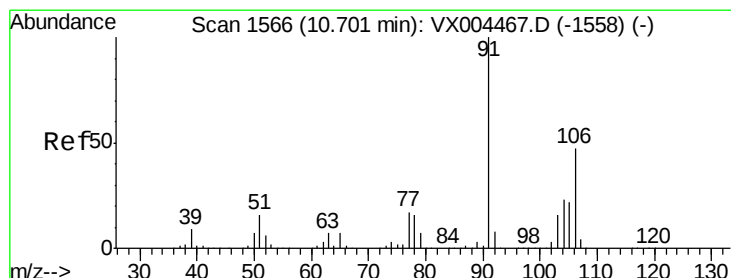
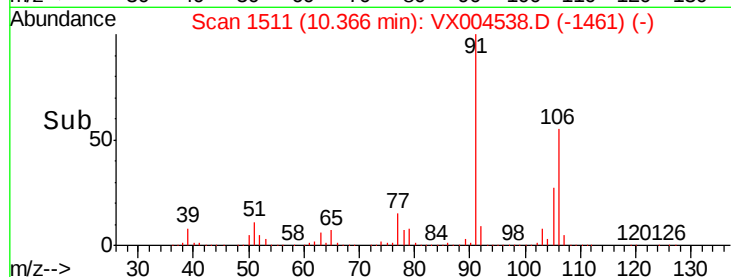
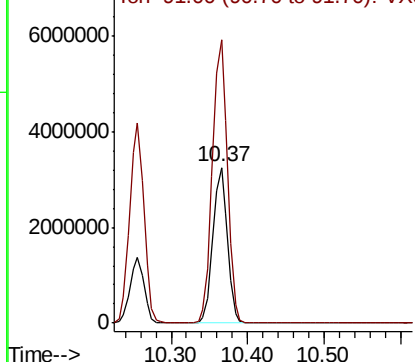
#68
m/p-Xvlenes
Concen: 781.48 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

Tot Ion:106 Resp: 4277462
Ion Ratio Lower Upper
106 100
91 188.8 157.1 235.7

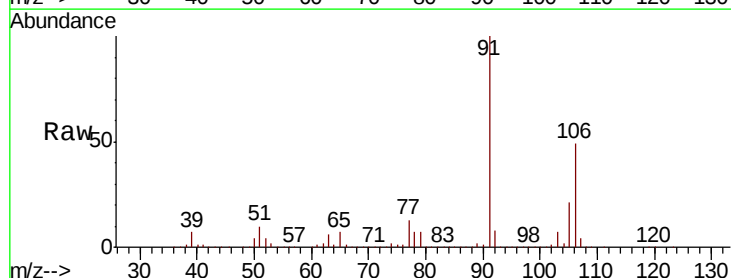


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

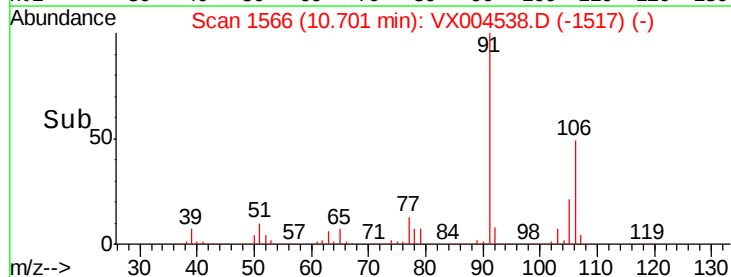
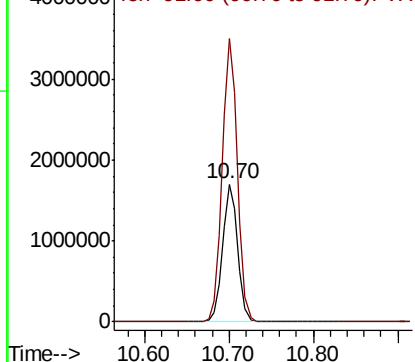


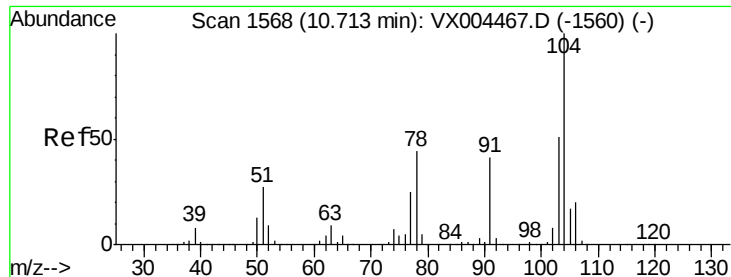
#69
o-Xylene
Concen: 396.80 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion:106 Resp: 2088014
Ion Ratio Lower Upper
106 100
91 208.5 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

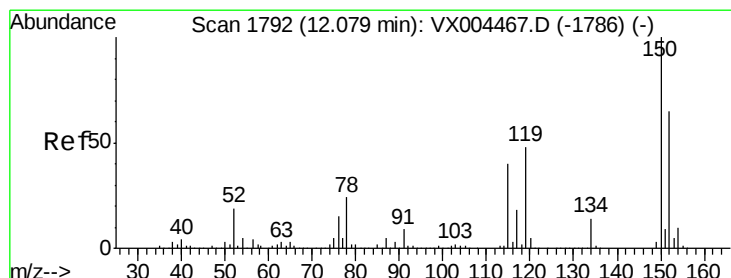
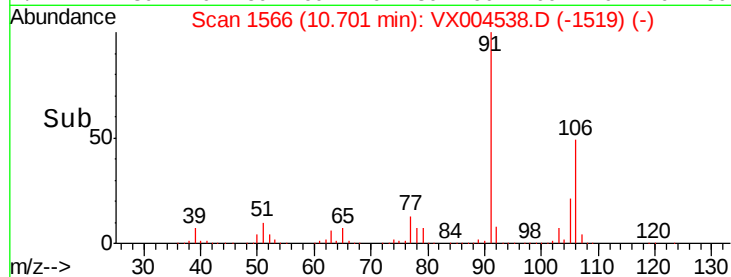
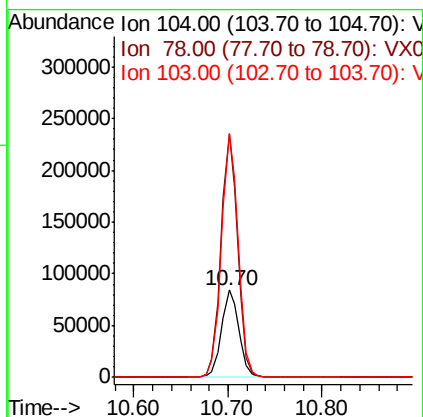
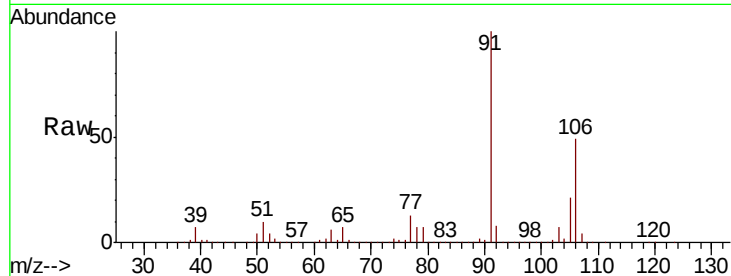




#70
Stvrene
Concen: 12.44 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

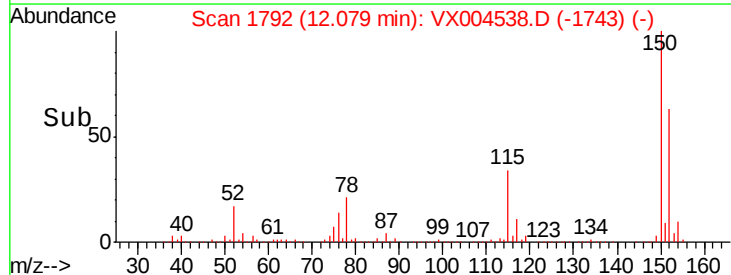
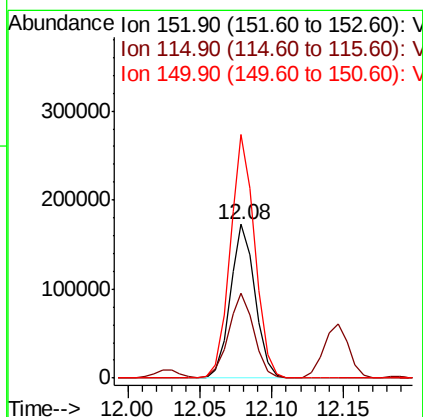
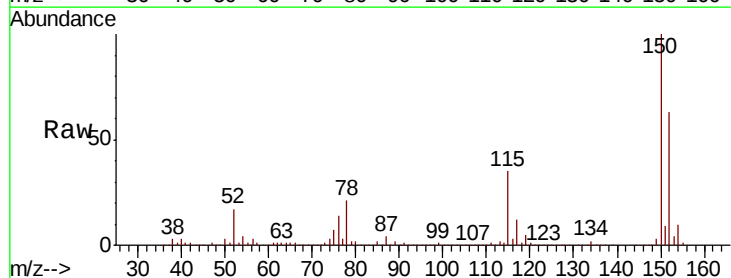
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

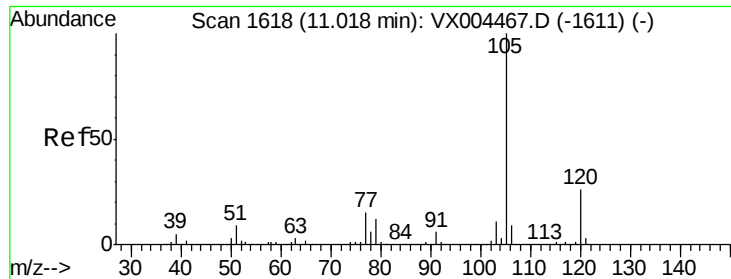
Tot Ion:104 Resp: 108413
Ion Ratio Lower Upper
104 100
78 267.0 37.4 56.0#
103 267.8 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion:152 Resp: 207501
Ion Ratio Lower Upper
152 100
115 56.1 39.0 117.0
150 157.3 0.0 351.0





#73

Isopropylbenzene

Concen: 35.47 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

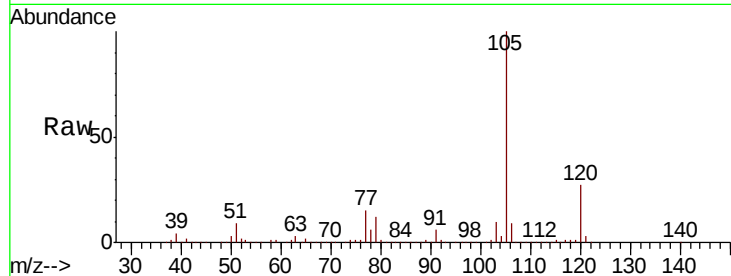
PR-MW-01-091218

Tot Ion:105 Resp: 484777

Ion Ratio Lower Upper

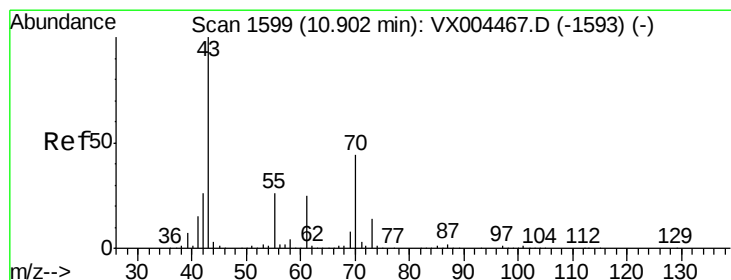
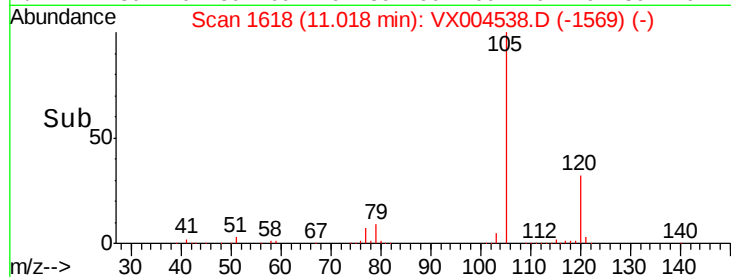
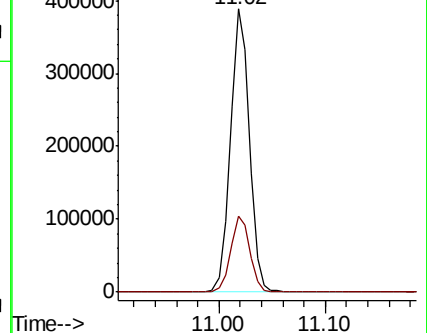
105 100

120 27.0 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-ethyl acetate

Concen: 0.25 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Tgt Ion: 43 Resp: 1435

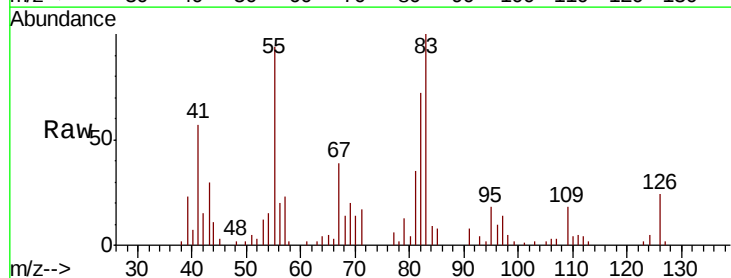
Ion Ratio Lower Upper

43 100

70 60.8 37.4 56.0#

55 447.3 21.8 32.8#

61 0.0 20.6 30.8#

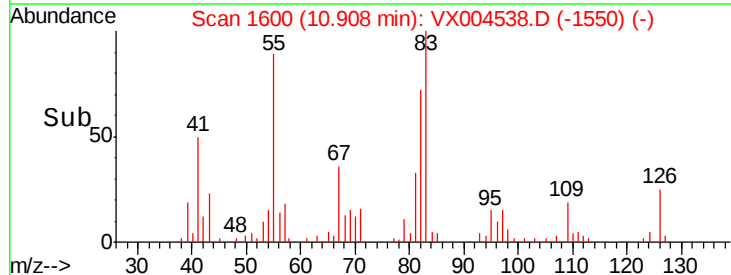
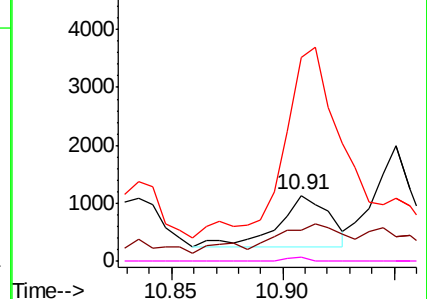


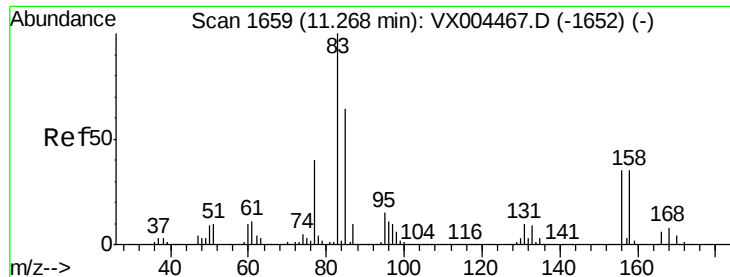
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.35 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218

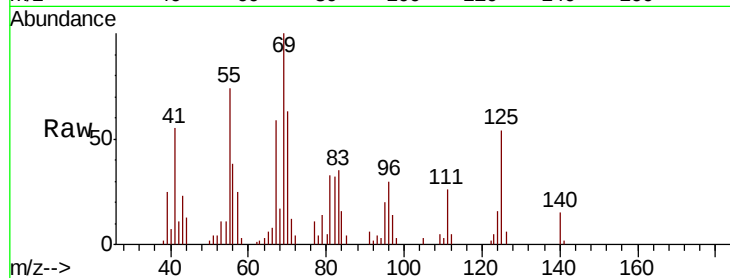
Tot Ion: 83 Resp: 1540

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

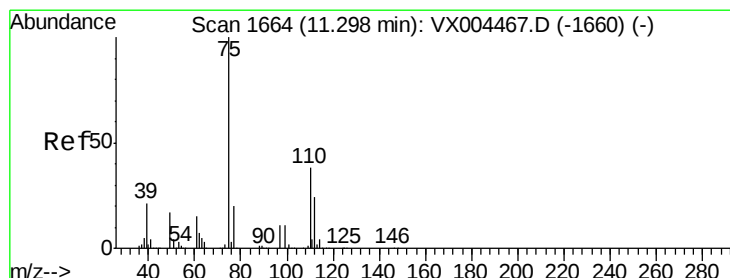
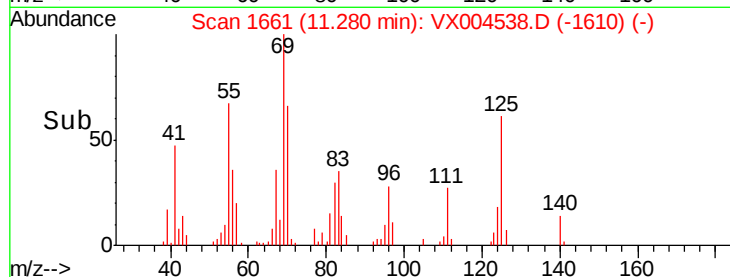
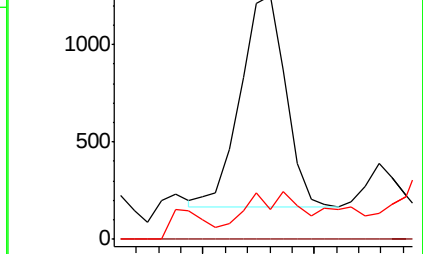
85 17.7 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.94 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.06 min

Lab File: VX004538.D

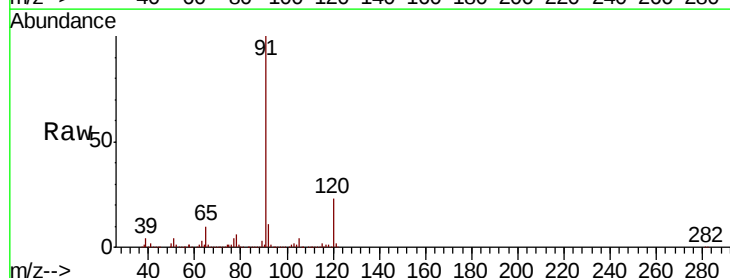
Acq: 14 Sep 2018 14:27

Tgt Ion: 75 Resp: 3945

Ion Ratio Lower Upper

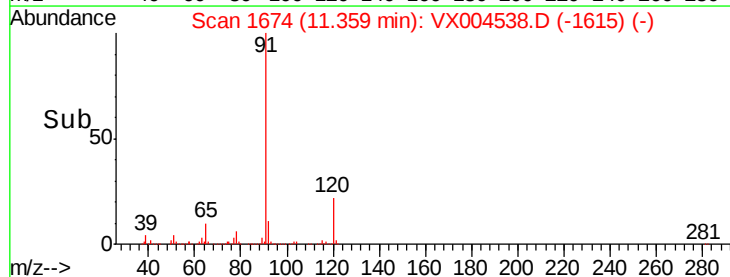
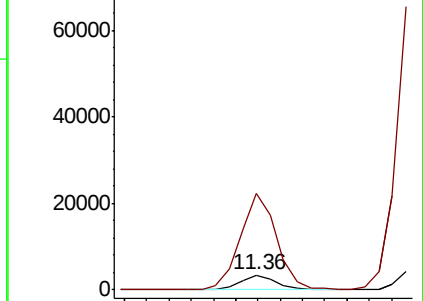
75 100

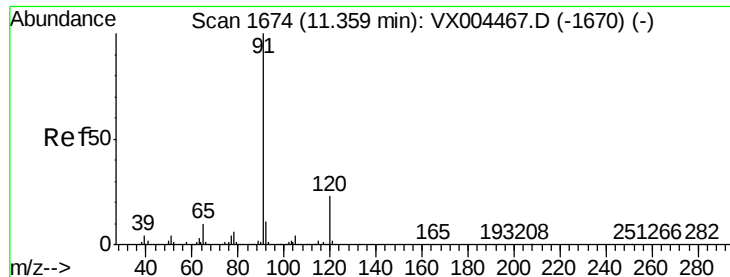
77 639.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 42.95 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

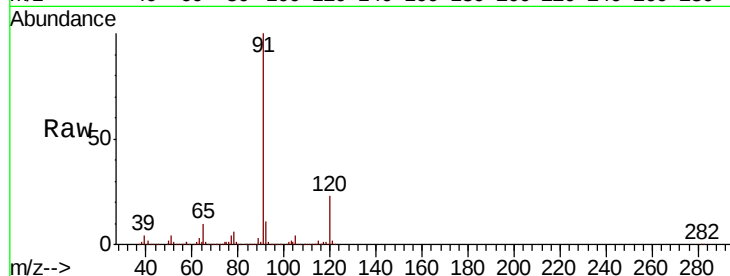
PR-MW-01-091218

Tot Ion: 91 Resp: 674828

Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

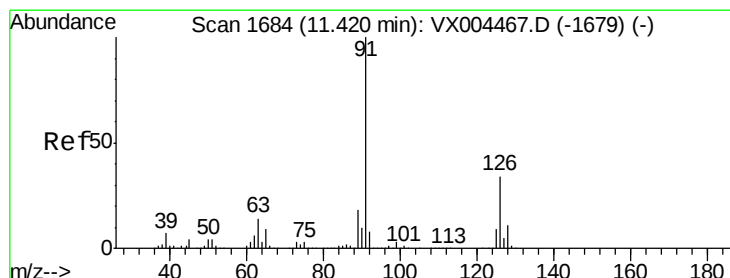
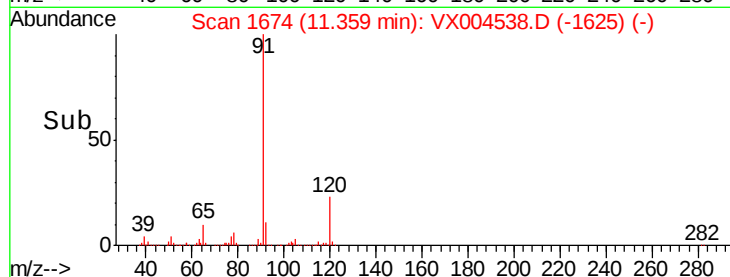
600000

400000

200000

0

Time-->



#79

2-Chlorotoluene

Concen: 30.58 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. 0.04 min

Lab File: VX004538.D

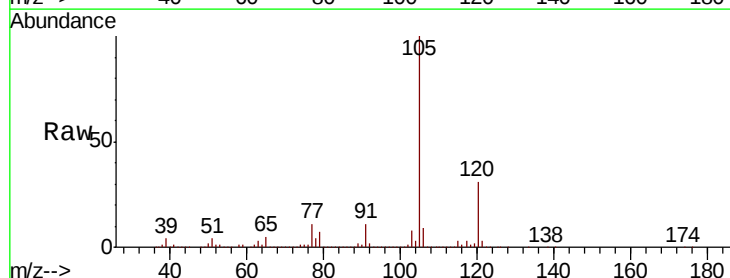
Acq: 14 Sep 2018 14:27

Tgt Ion: 91 Resp: 291387

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.46

500000

400000

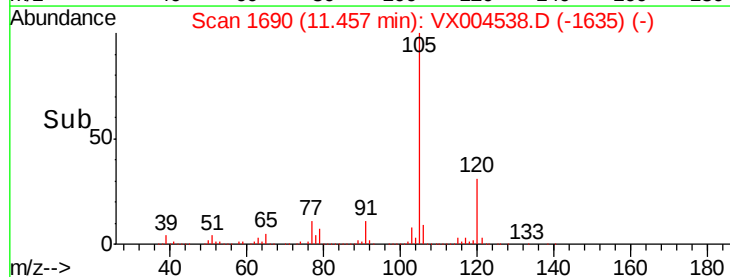
300000

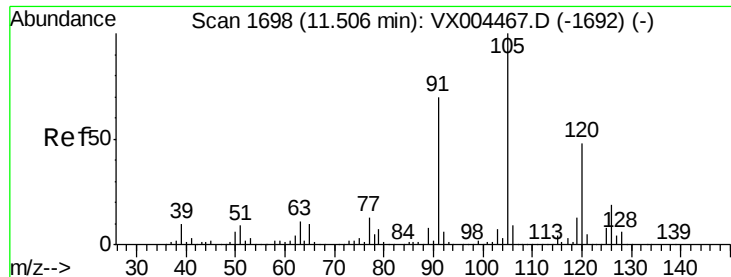
200000

100000

0

Time-->

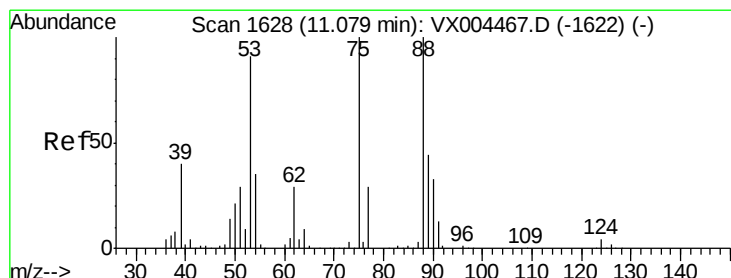
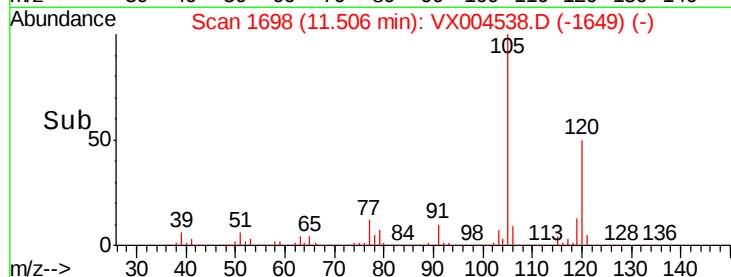
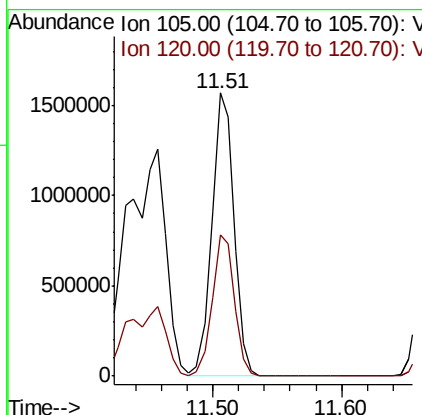
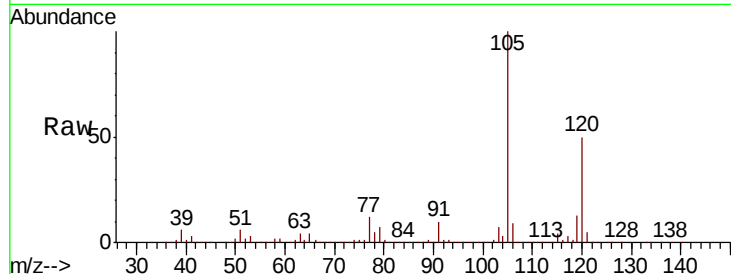




#80
 1,3,5-Trimethylbenzene
 Concen: 165.01 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

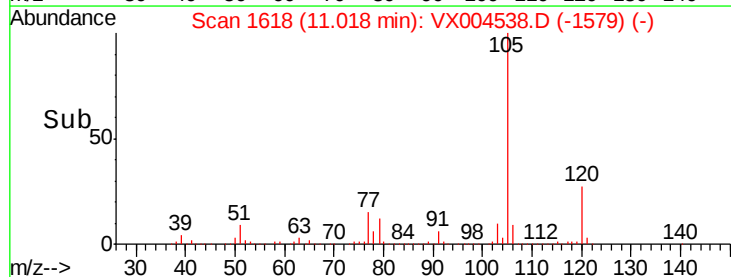
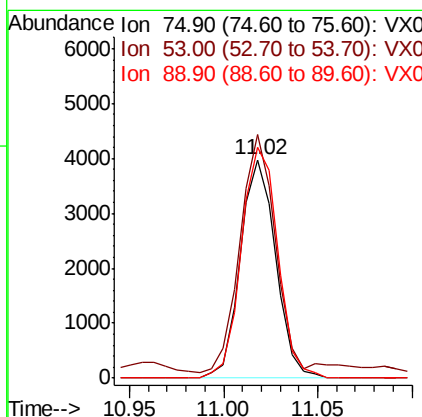
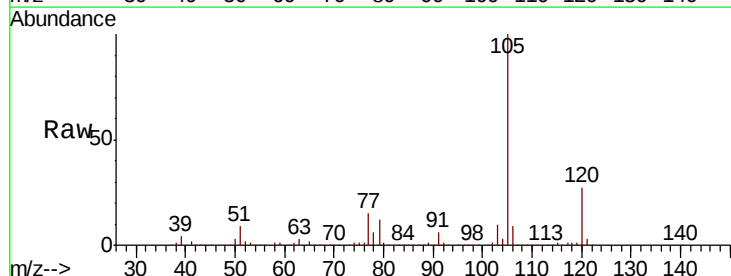
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218

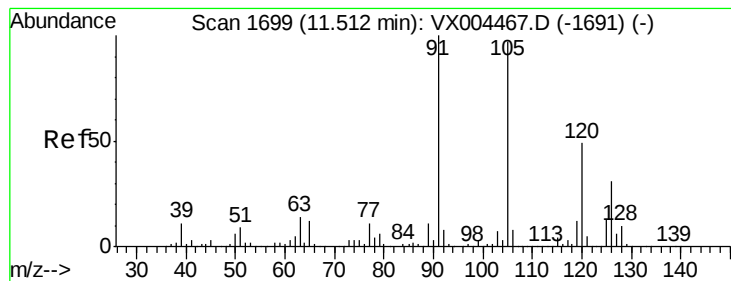
Tot Ion:105 Resp: 1895705
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.94 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.06 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

Tgt Ion: 75 Resp: 5160
 Ion Ratio Lower Upper
 75 100
 53 111.1 80.1 120.1
 89 109.2 37.2 55.8#





#82

4-Chlorotoluene

Concen: 16.83 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

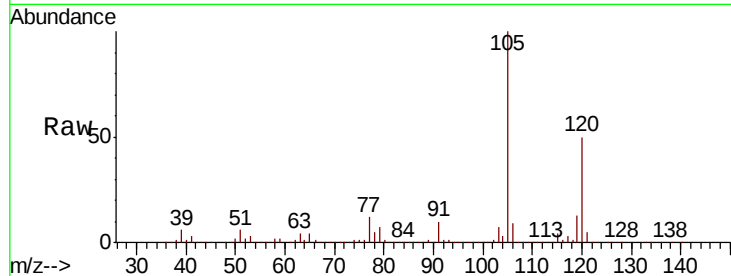
PR-MW-01-091218

Tot Ion: 91 Resp: 187209

Ion Ratio Lower Upper

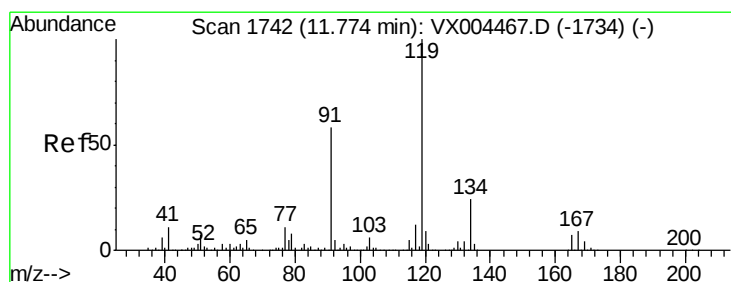
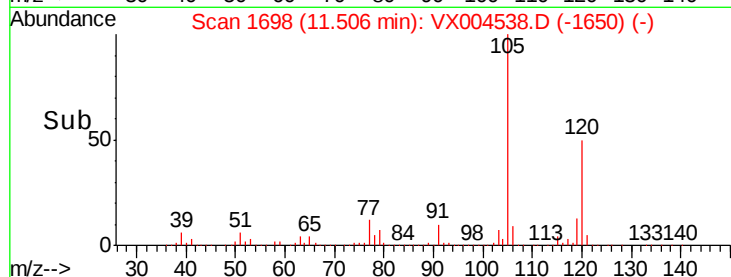
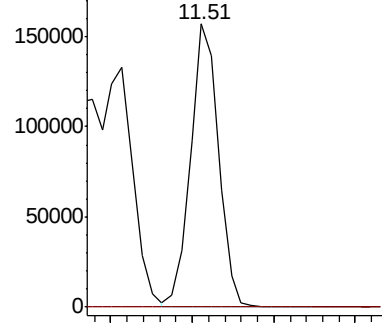
91 100

126 0.2 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 69.42 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.04 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

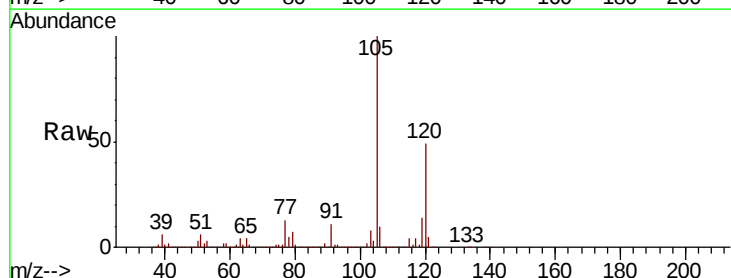
Tgt Ion: 119 Resp: 759318

Ion Ratio Lower Upper

119 100

91 78.2 27.0 81.0

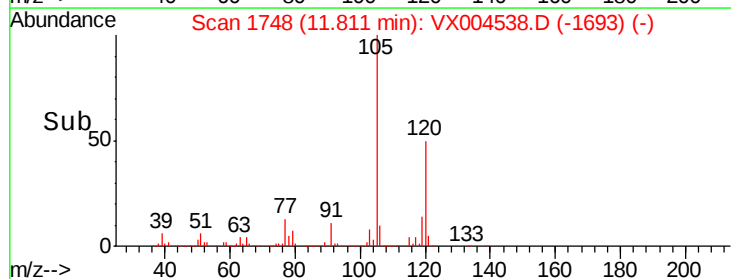
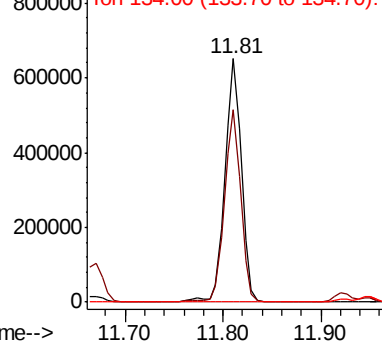
134 0.0 11.7 35.1#

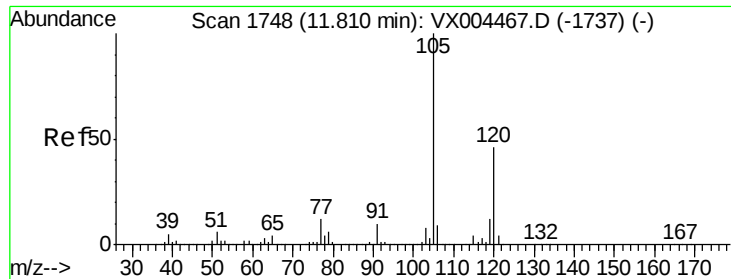


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

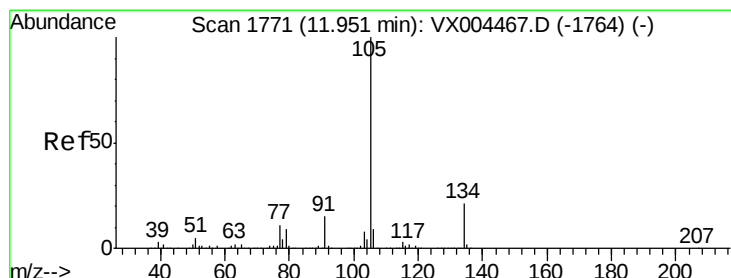
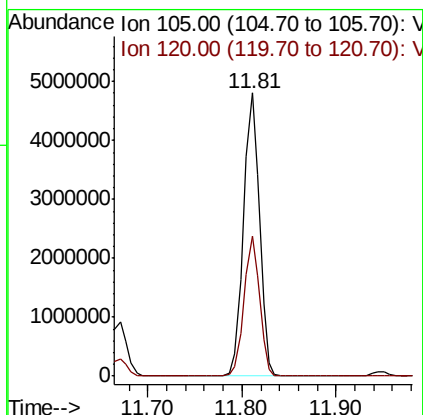
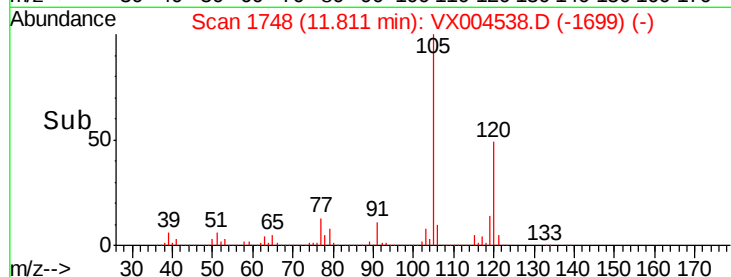
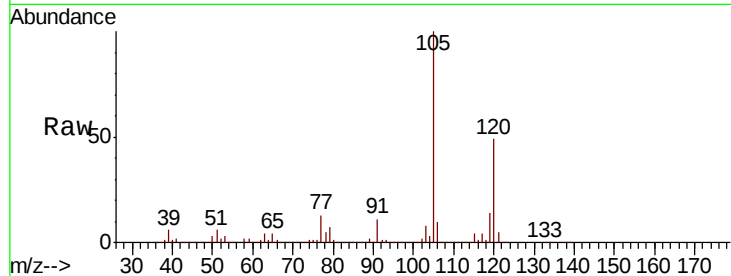




#84
 1,2,4-Trimethylbenzene
 Concen: 484.55 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

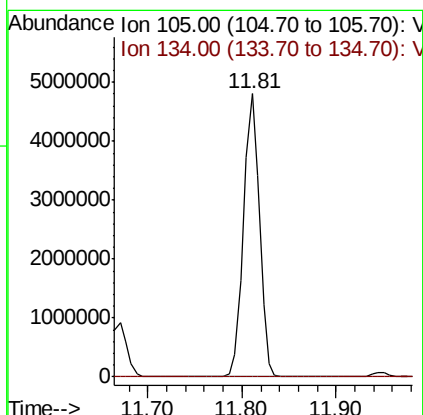
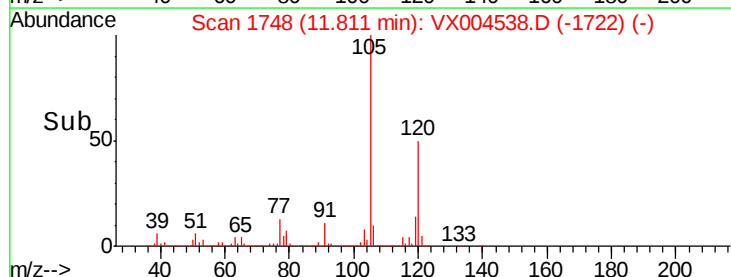
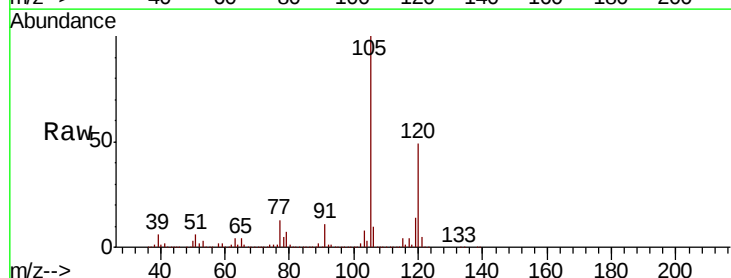
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218

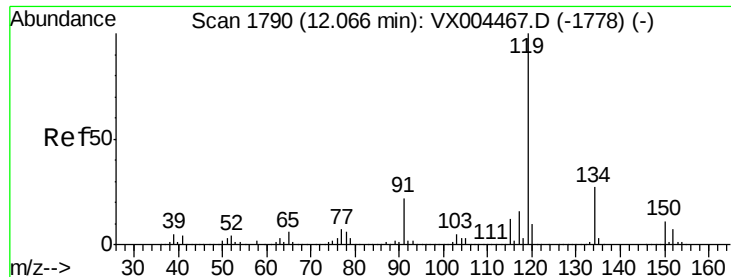
Tot Ion:105 Resp: 5683564
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 407.79 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.14 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

Tgt Ion:105 Resp: 5683564
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#

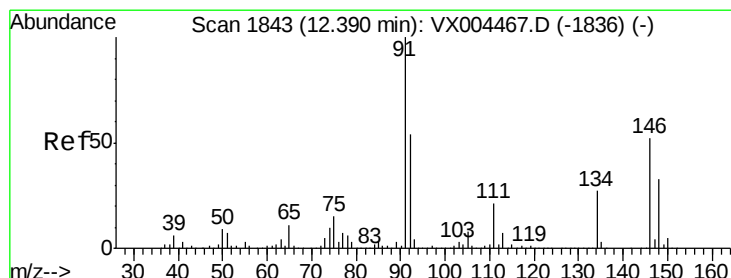
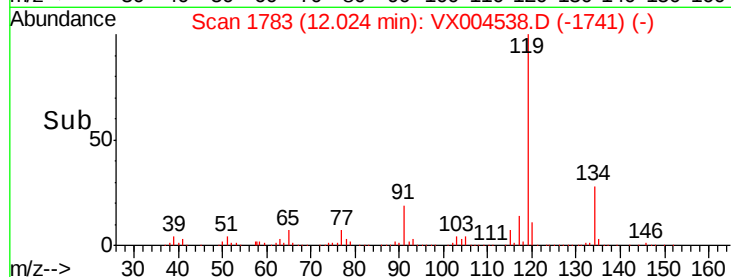
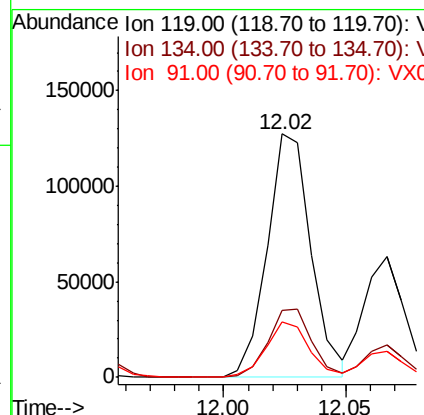
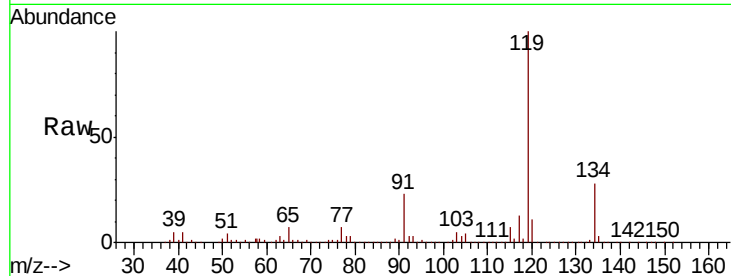




#86
p-Isopropyltoluene
Concen: 12.98 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.04 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

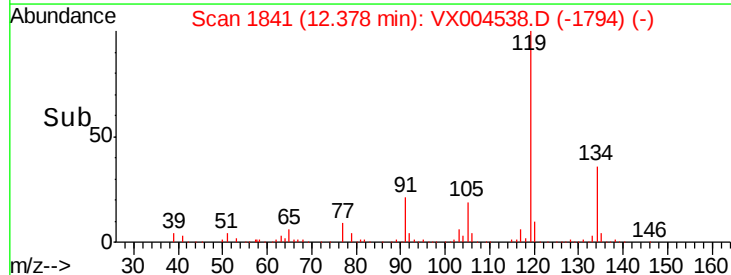
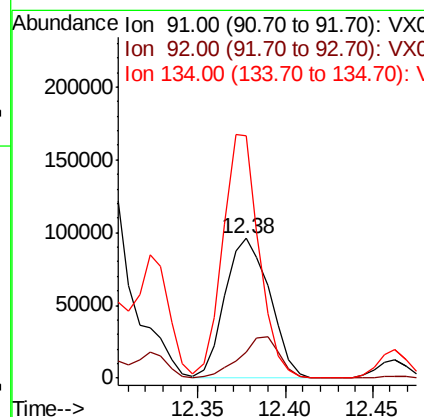
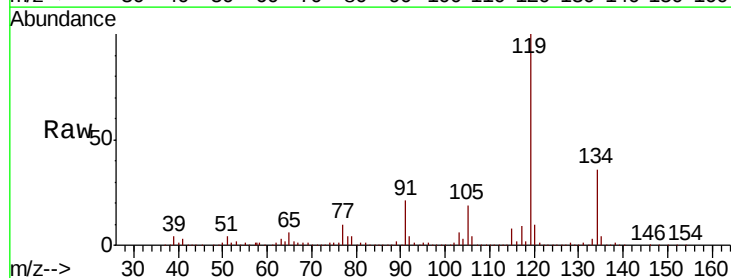
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218

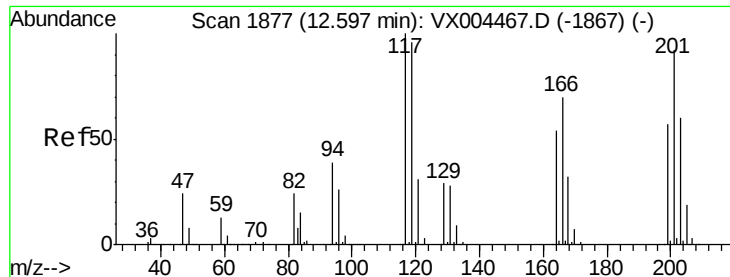
Tot Ion:119 Resp: 159800
Ion Ratio Lower Upper
119 100
134 28.0 13.4 40.2
91 22.1 10.9 32.7



#89
n-Butylbenzene
Concen: 15.06 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX004538.D
Acq: 14 Sep 2018 14:27

Tgt Ion: 91 Resp: 168856
Ion Ratio Lower Upper
91 100
92 26.6 27.3 81.9#
134 142.4 13.6 40.7#





#90

Hexachloroethane

Concen: 17.39 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

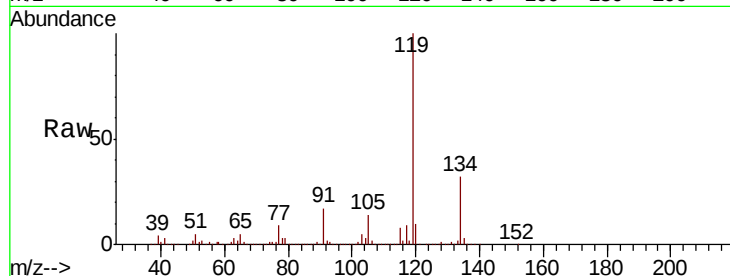
PR-MW-01-091218

Tot Ion:117 Resp: 34264

Ion Ratio Lower Upper

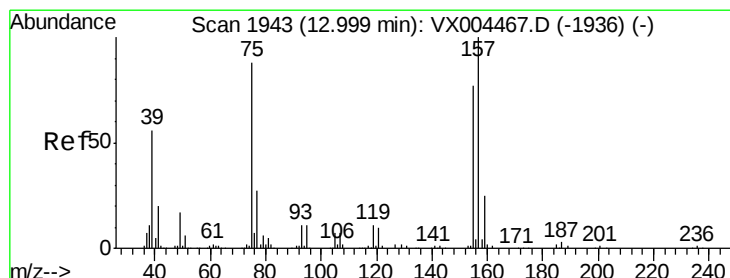
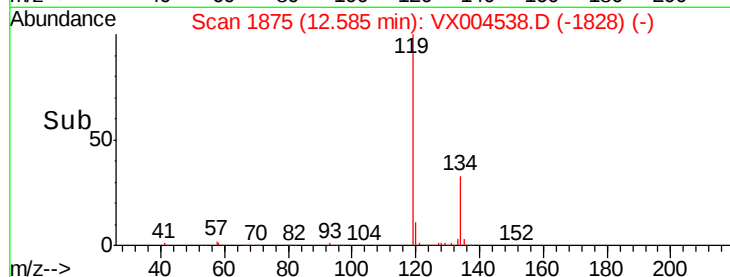
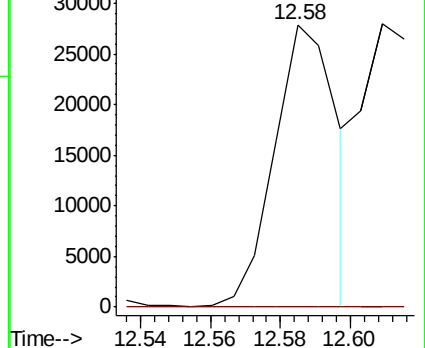
117 100

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: 3.37 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

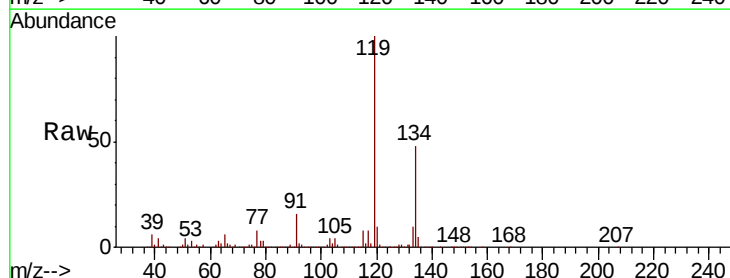
Tgt Ion: 75 Resp: 3176

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

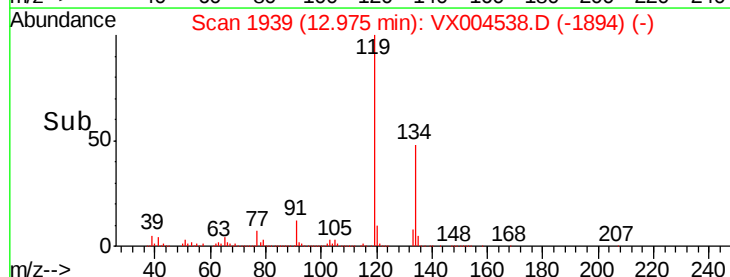
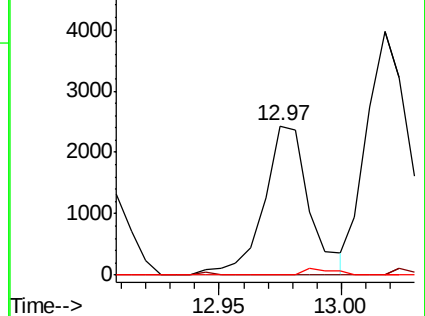
157 2.6 61.4 184.1#

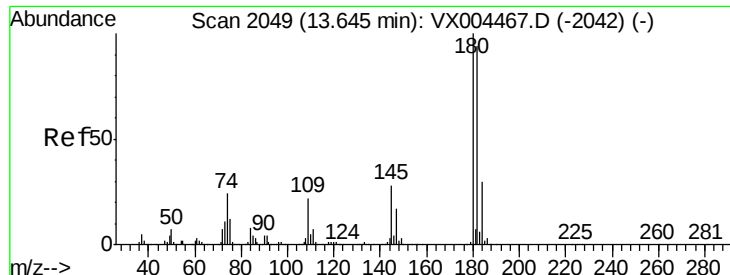


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

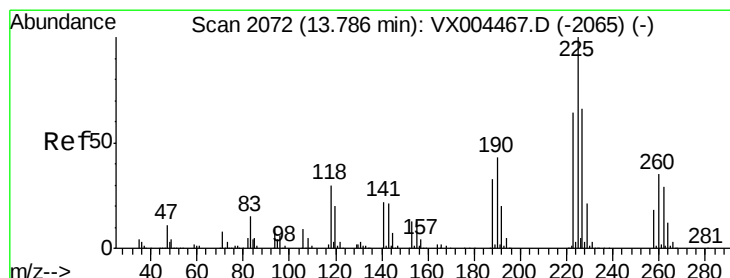
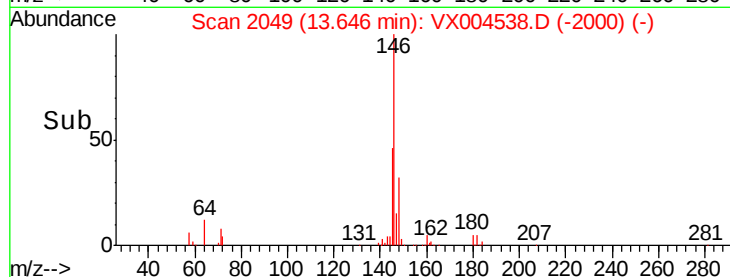
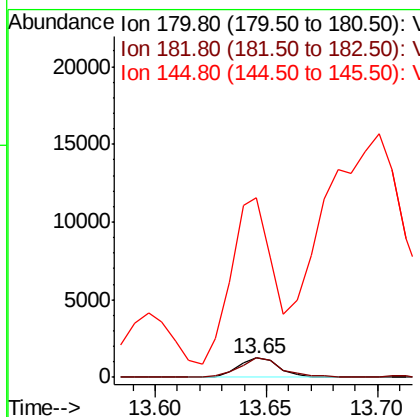
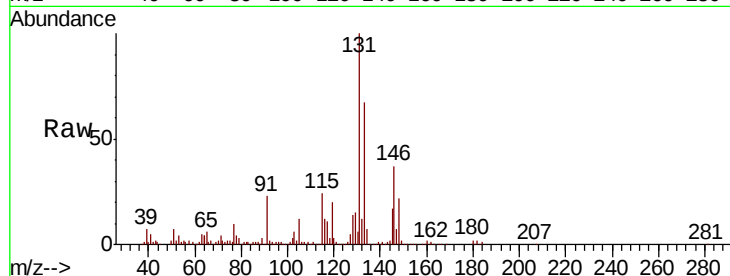




#93
 1,2,4-Trichlorobenzene
 Concen: 0.32 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

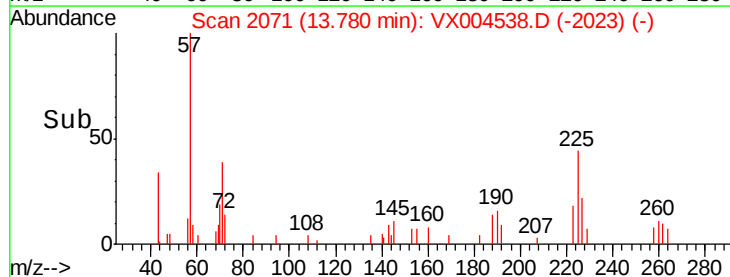
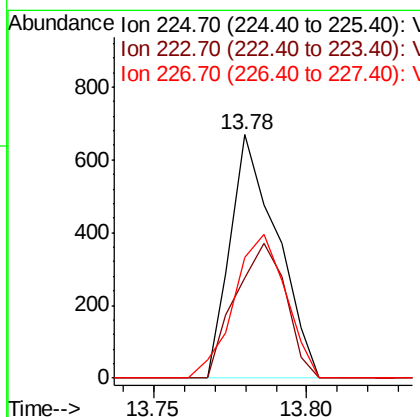
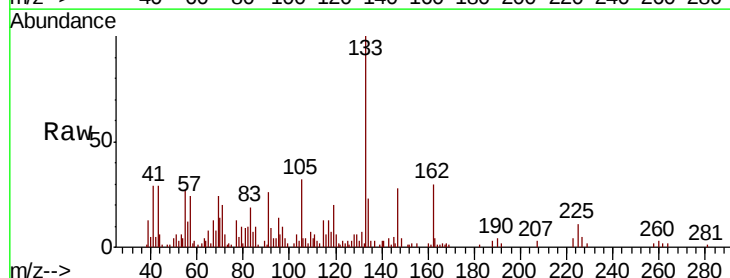
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218

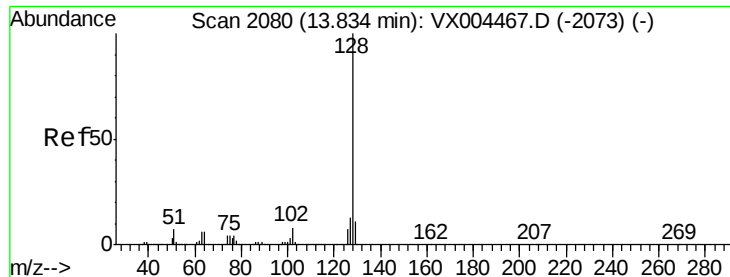
Tot Ion:180 Resp: 1601
 Ion Ratio Lower Upper
 180 100
 182 102.3 48.4 145.0
 145 902.2 14.3 42.9#



#94
 Hexachlorobutadiene
 Concen: 0.27 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX004538.D
 Acq: 14 Sep 2018 14:27

Tgt Ion:225 Resp: 710
 Ion Ratio Lower Upper
 225 100
 223 59.6 30.1 90.5
 227 65.5 30.8 92.4





#95

Naphthalene

Concen: 195.56 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218

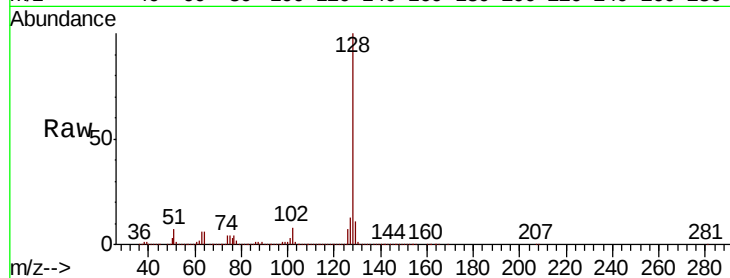
Tot Ion:128 Resp: 2770311

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

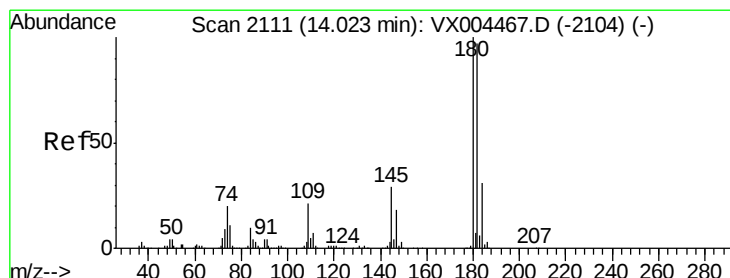
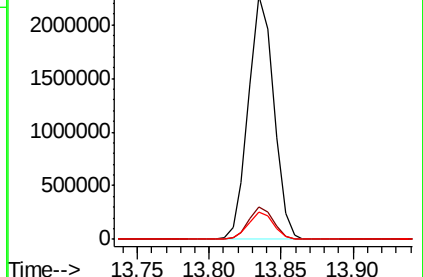
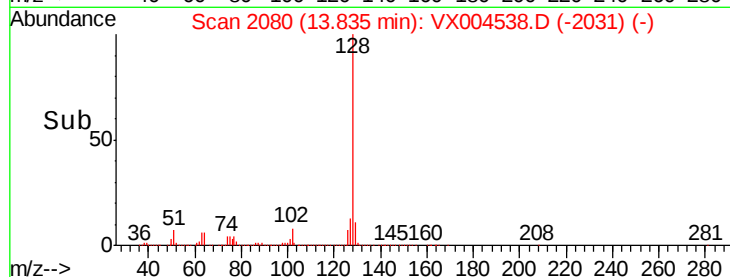
129 11.2 8.6 12.8



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: 0.27 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004538.D

Acq: 14 Sep 2018 14:27

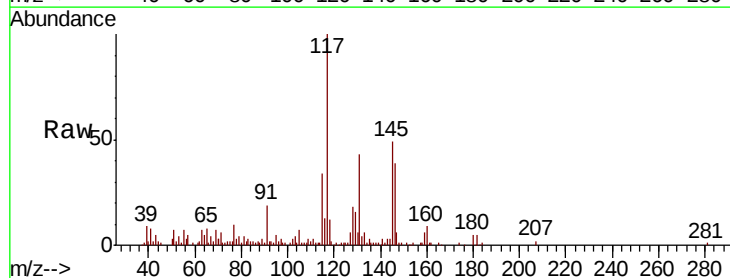
Tgt Ion:180 Resp: 1411

Ion Ratio Lower Upper

180 100

182 94.8 48.5 145.6

145 1282.8 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

