

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004535.D
 Acq On : 14 Sep 2018 13:07
 Operator : JC/MD
 Sample : J4892-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-05-091218

Quant Time: Sep 15 04:38:53 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	5.67	168	274068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	374148	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	170631	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	5.51	113	153706	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	
50) Toluene-d8	8.72	98	529349	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
62) 4-Bromofluorobenzene	11.14	95	195495	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	

Target Compounds

						Qvalue
3) Chloromethane	1.36	50	3252	0.92	ug/l	# 51
5) Bromomethane	1.65	94	219	Below	Cal	89
6) Chloroethane	1.84	64	1992	0.85	ug/l	# 54
10) Methyl Iodide	2.52	142	680	4.43	ug/l	# 78
11) Tert butyl alcohol	3.07	59	594	0.70	ug/l	# 72
13) Acrolein	2.26	56	14862	44.65	ug/l	# 1
14) Allyl chloride	2.78	41	23614	4.01	ug/l	# 27
15) Acrylonitrile	3.16	53	8838	4.35	ug/l	# 43
16) Acetone	2.44	43	3890	2.26	ug/l	# 79
17) Carbon Disulfide	2.57	76	3328	0.40	ug/l	# 96
18) Methyl Acetate	2.76	43	14534	3.00	ug/l	# 51
20) Methylene Chloride	2.85	84	1686	0.48	ug/l	# 32
23) Vinyl Acetate	3.81	43	10437	1.22	ug/l	# 74
25) 2-Butanone	4.71	43	2619	0.95	ug/l	# 86
29) Tetrahydrofuran	5.19	42	414	0.25	ug/l	# 31
30) Chloroform	5.29	83	27086	4.63	ug/l	# 18
31) Cyclohexane	5.57	56	97241	19.02	ug/l	# 90
36) 1,1-Dichloropropene	5.67	75	17948	3.95	ug/l	# 49
38) Carbon Tetrachloride	5.66	117	23573	5.31	ug/l	# 14
39) Methylcyclohexane	7.46	83	95984	20.25	ug/l	# 95
40) Benzene	6.14	78	44035	3.27	ug/l	# 99
41) Methacrylonitrile	5.06	41	5408	1.90	ug/l	# 40
43) Isopropyl Acetate	6.46	43	6855	1.00	ug/l	# 61
45) 1,2-Dichloropropane	7.46	63	1630	0.50	ug/l	# 1
46) Dibromomethane	7.63	93	582	0.28	ug/l	# 1
47) Bromodichloromethane	7.84	83	1298	0.34	ug/l	# 76
48) Methyl methacrylate	7.73	41	13312	3.92	ug/l	# 50
51) 4-Methyl-2-Pentanone	8.79	43	121824	25.16	ug/l	# 34
52) Toluene	8.79	92	8501624	1070.67	ug/l	# 87
53) t-1,3-Dichloropropene	8.79	75	95428	21.08	ug/l	# 1
55) 1,1,2-Trichloroethane	9.16	97	10060	2.94	ug/l	# 19
56) Ethyl methacrylate	9.16	69	3246	0.67	ug/l	# 2
58) 2-Chloroethyl Vinyl ether	8.27	63	866	7.61	ug/l	# 45
59) 2-Hexanone	9.51	43	1280	0.34	ug/l	# 77

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

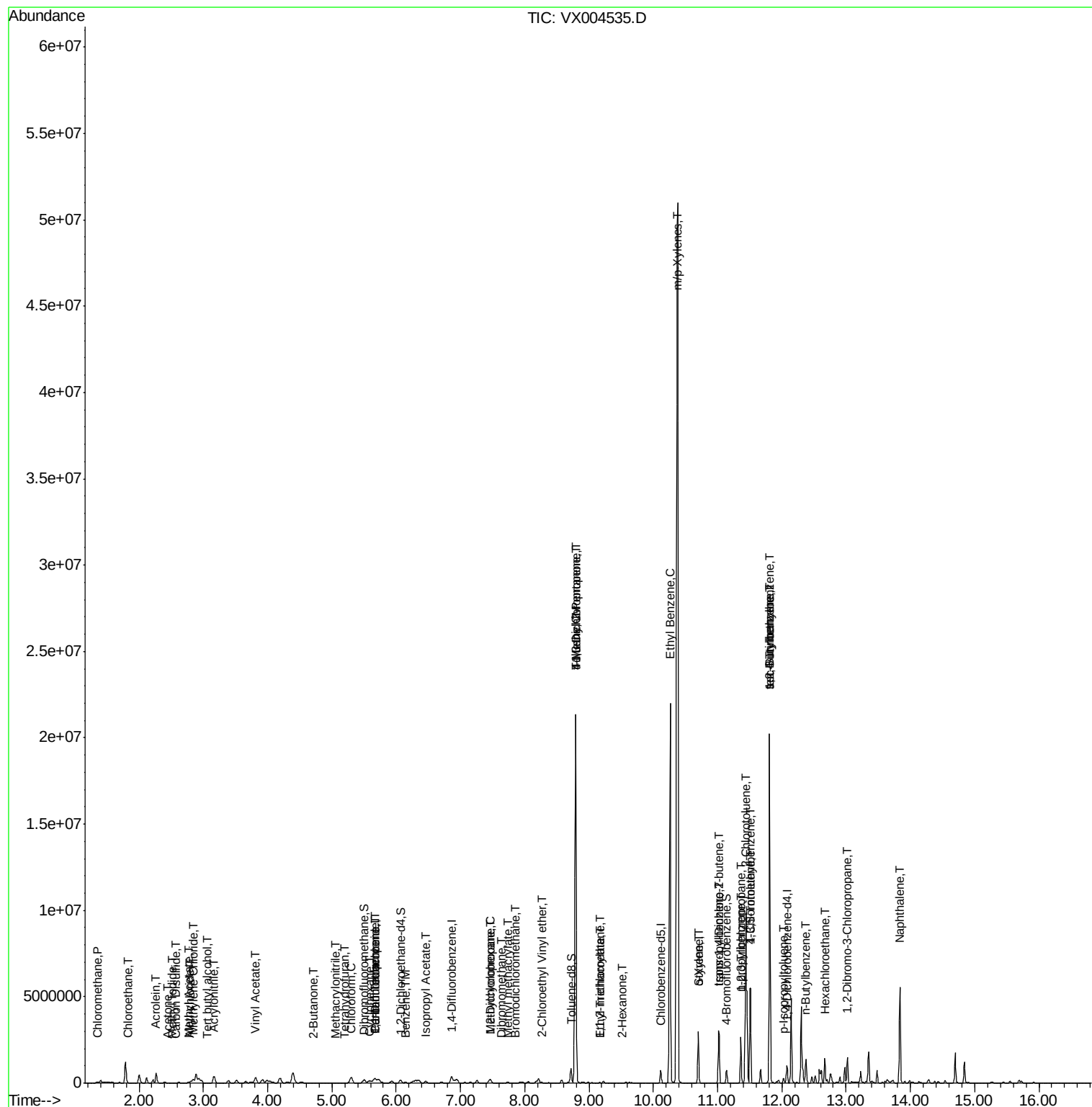
67) Ethyl Benzene	10.26	91	12554561	904.45	ug/l #	83
68) m/p-Xylenes	10.38	106	15250553	2852.21	ug/l #	54
69) o-Xylene	10.70	106	636923	123.90	ug/l	99
70) Styrene	10.70	104	35408	4.16	ug/l #	1
73) Isopropylbenzene	11.02	105	1635746	118.82	ug/l	99
76) 1,2,3-Trichloropropane	11.36	75	9689	2.30	ug/l #	1
78) n-propylbenzene	11.36	91	1676674	105.93	ug/l	99
79) 2-Chlorotoluene	11.44	91	828106	86.26	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	2462662	212.79	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.02	75	17320	13.13	ug/l #	65
82) 4-Chlorotoluene	11.51	91	245054	21.87	ug/l #	44
83) tert-Butylbenzene	11.81	119	1230152	111.65	ug/l #	62
84) 1,2,4-Trimethylbenzene	11.81	105	8713913	737.47	ug/l	94
85) sec-Butylbenzene	11.81	105	8713913	620.63	ug/l #	55
86) p-Isopropyltoluene	12.03	119	130998	10.57	ug/l	98
89) n-Butylbenzene	12.38	91	179507	15.89	ug/l #	12
90) Hexachloroethane	12.67	117	55312	27.87	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	4209	4.44	ug/l #	1
95) Naphthalene	13.83	128	3466177	242.89	ug/l	99

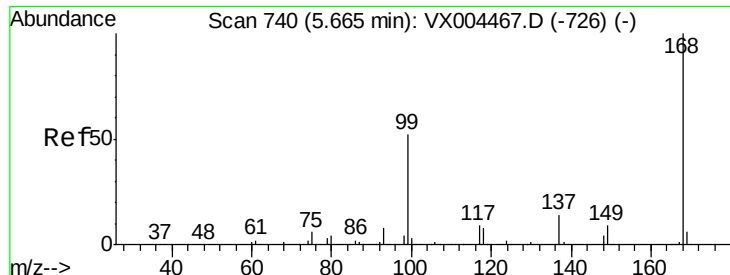
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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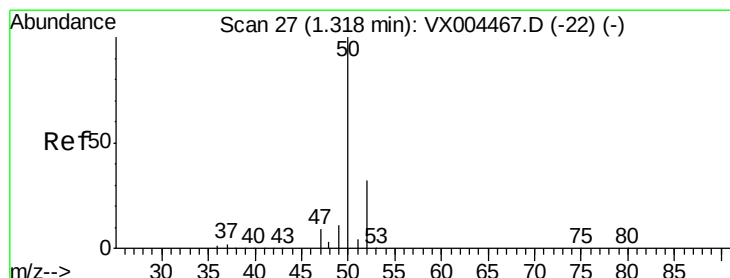
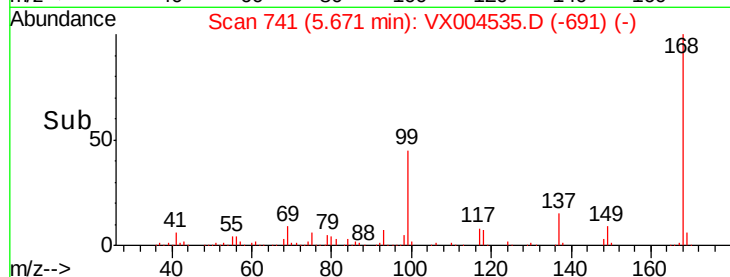
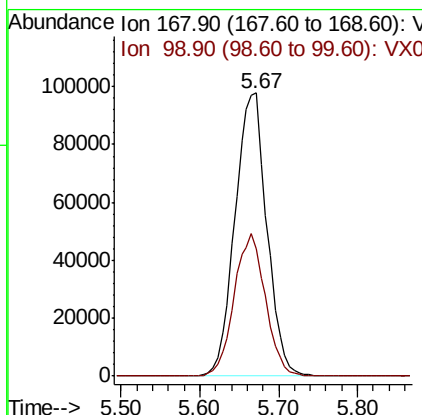
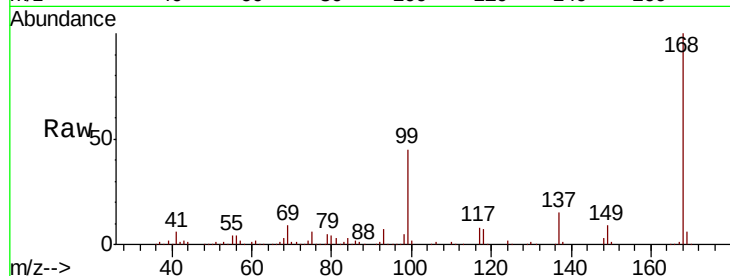




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.01 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

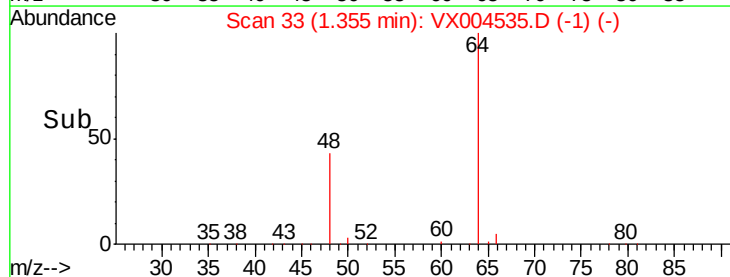
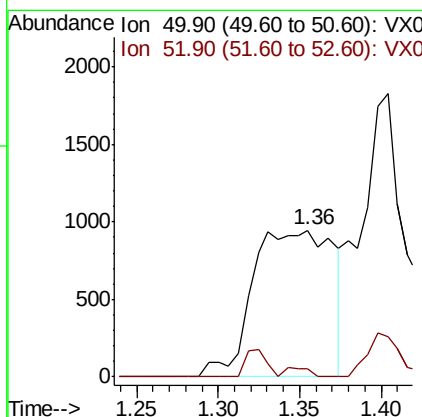
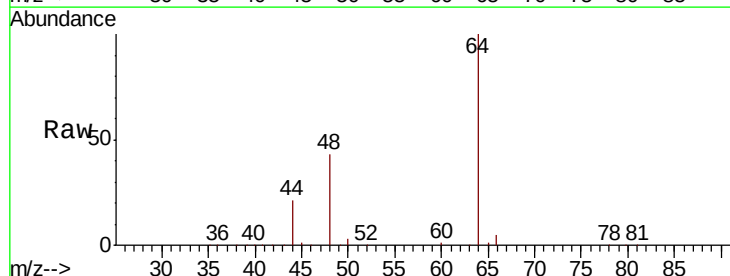
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

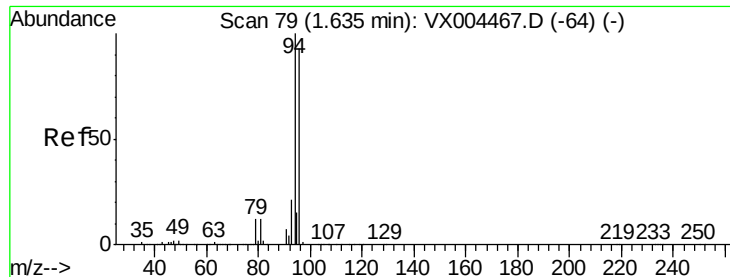
Tot Ion:168 Resp: 274068
Ion Ratio Lower Upper
168 100
99 44.7 39.9 59.9



#3
Chloromethane
Concen: 0.92 ug/l
RT: 1.36 min Scan# 33
Delta R.T. 0.04 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 50 Resp: 3252
Ion Ratio Lower Upper
50 100
52 5.4 26.2 39.2#





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

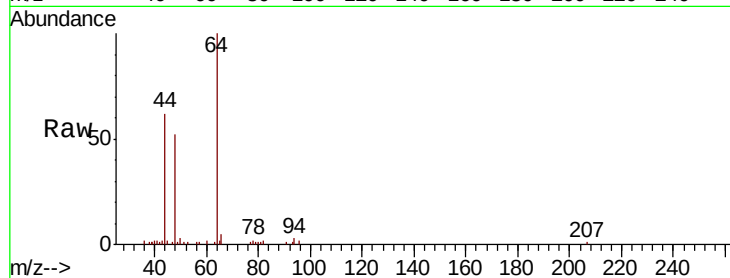
PR-MW-05-091218

Tot Ion: 94 Resp: 219

Ion Ratio Lower Upper

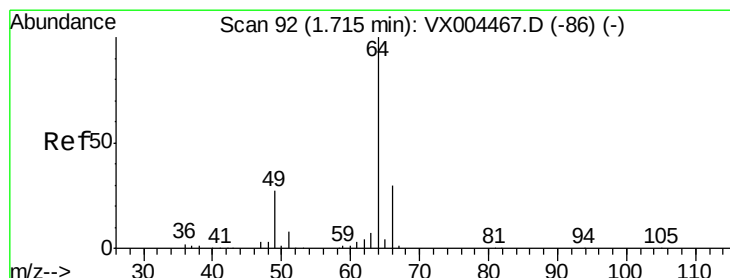
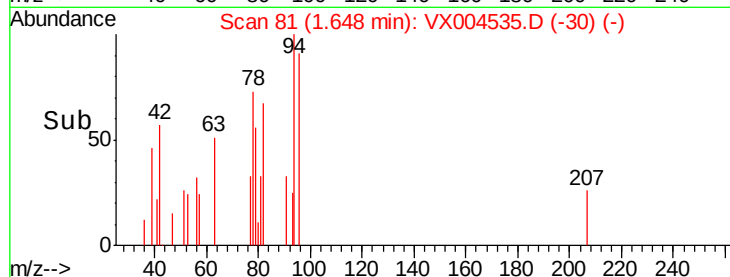
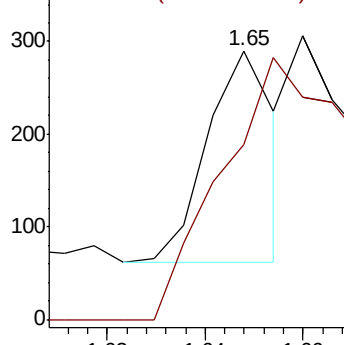
94 100

96 82.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.85 ug/l

RT: 1.84 min Scan# 112

Delta R.T. 0.12 min

Lab File: VX004535.D

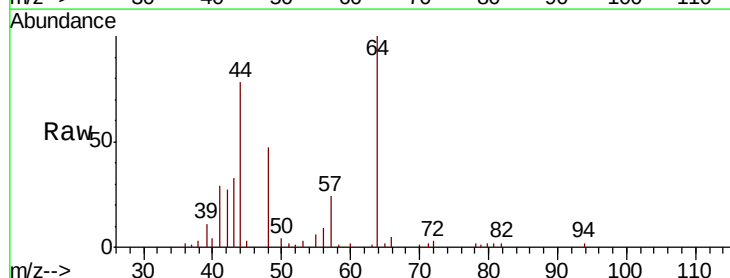
Acq: 14 Sep 2018 13:07

Tgt Ion: 64 Resp: 1992

Ion Ratio Lower Upper

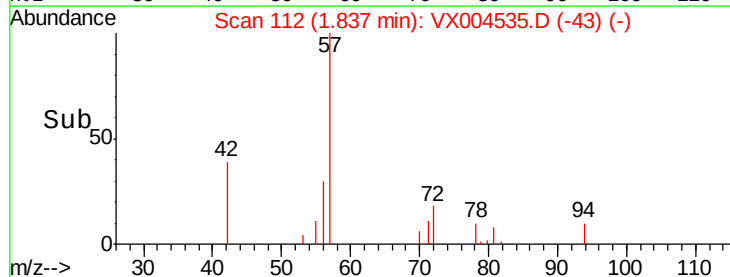
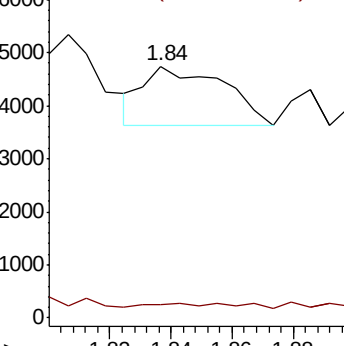
64 100

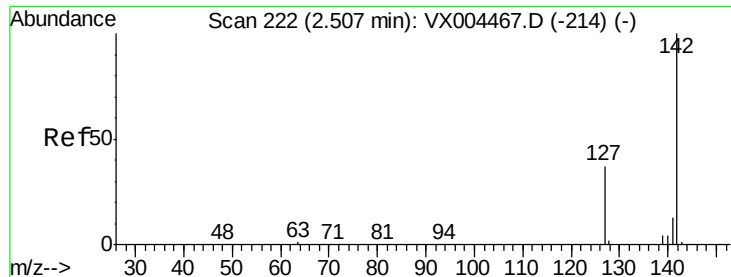
66 5.4 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

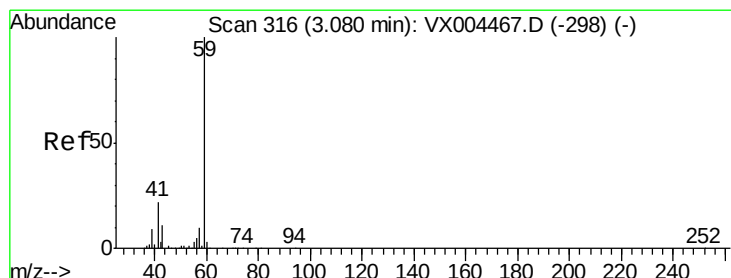
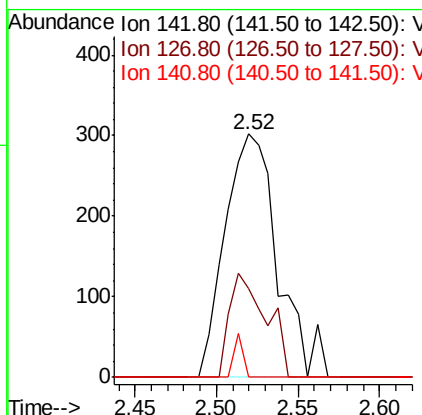
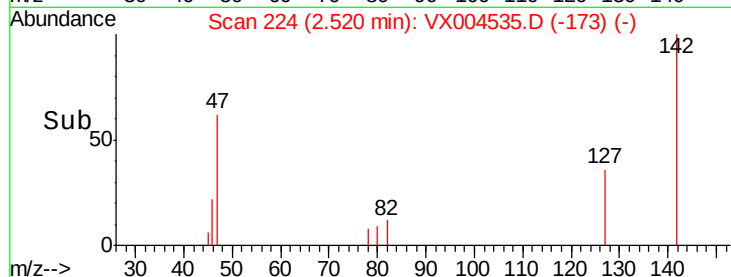
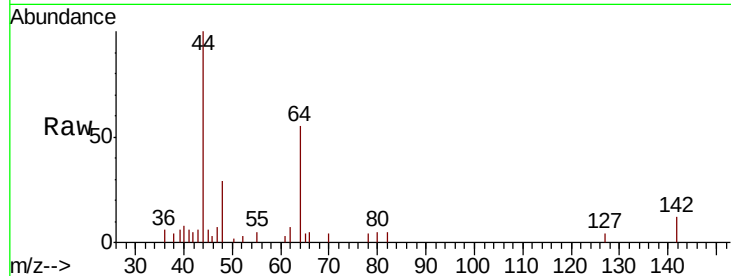




#10
Methvl Iodide
Concen: 4.43 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

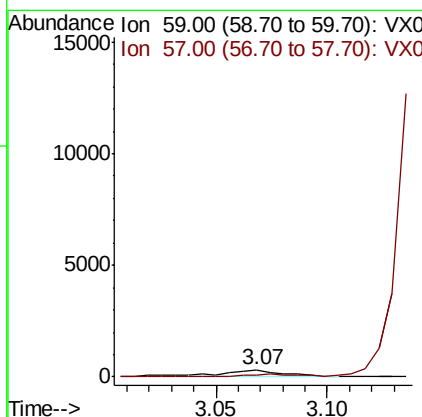
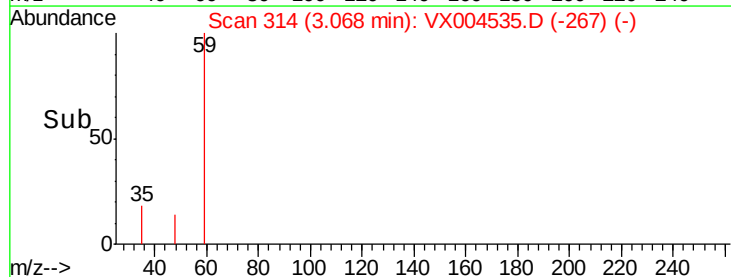
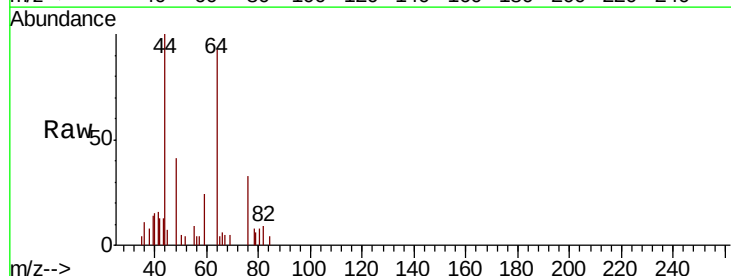
Instrument :
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PR-MW-05-091218

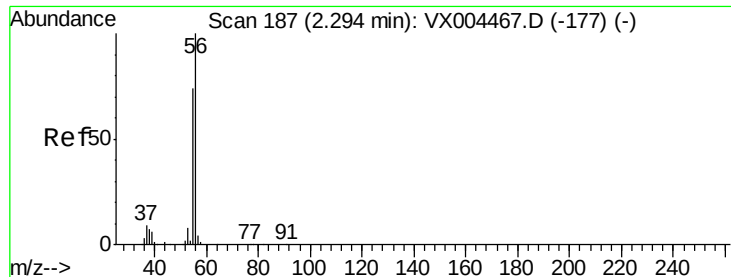
Tot Ion:142 Resp: 680
Ion Ratio Lower Upper
142 100
127 29.7 33.8 50.6#
141 2.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.70 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 59 Resp: 594
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 44.65 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

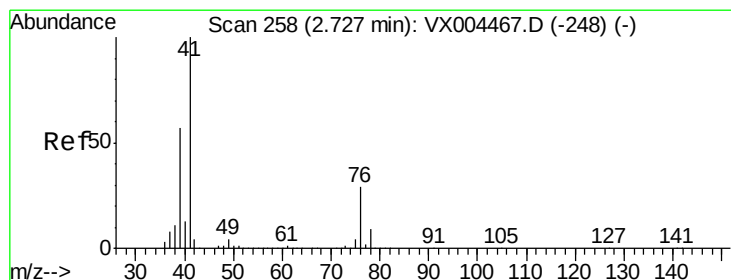
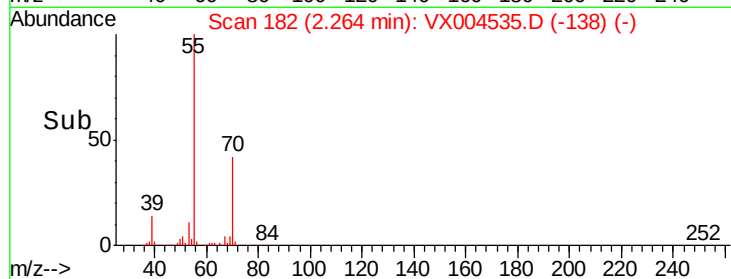
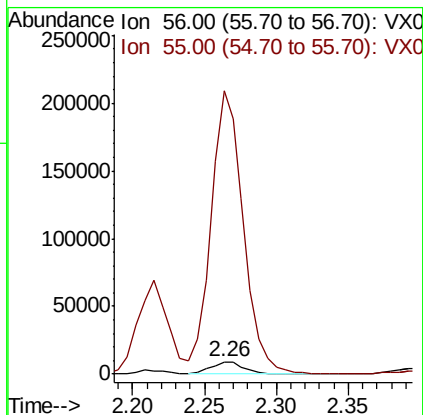
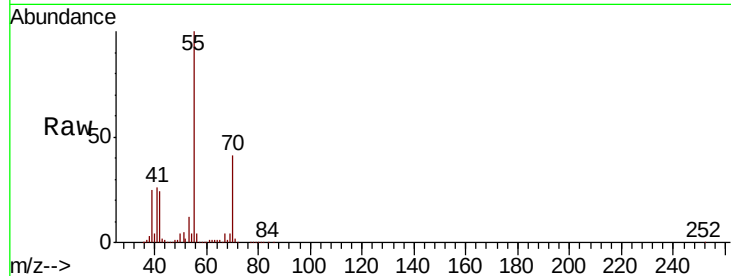
PR-MW-05-091218

Tot Ion: 56 Resp: 14862

Ion Ratio Lower Upper

56 100

55 2189.5 54.7 82.1#



#14

Allyl chloride

Concen: 4.01 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

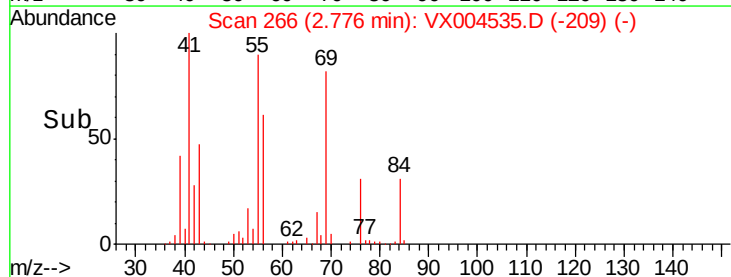
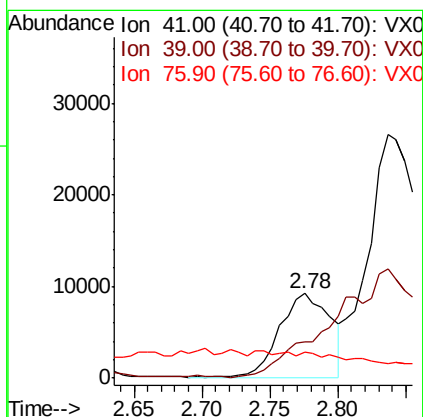
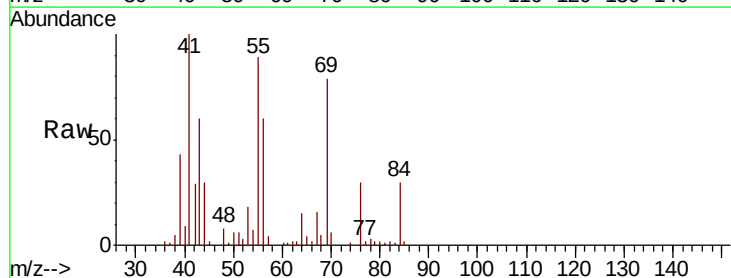
Tgt Ion: 41 Resp: 23614

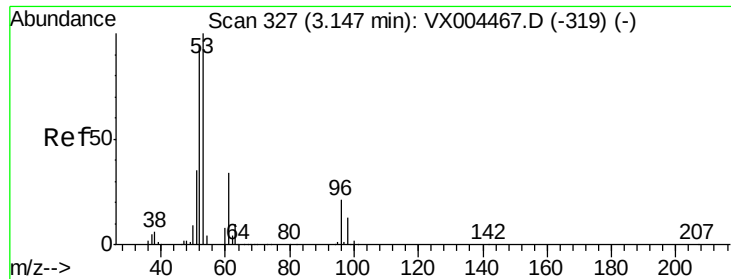
Ion Ratio Lower Upper

41 100

39 0.0 48.9 73.3#

76 0.0 26.7 40.1#





#15

Acrylonitrile

Concen: 4.35 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

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ClientSampleId :

PR-MW-05-091218

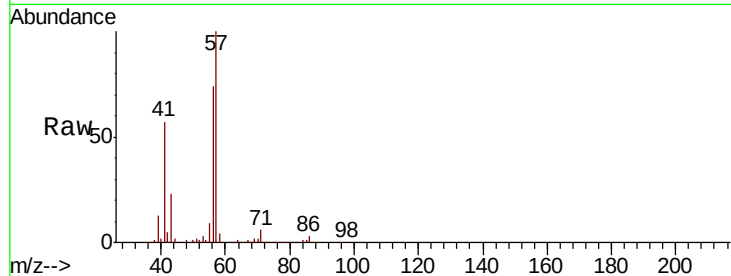
Tot Ion: 53 Resp: 8838

Ion Ratio Lower Upper

53 100

52 20.3 65.2 97.8#

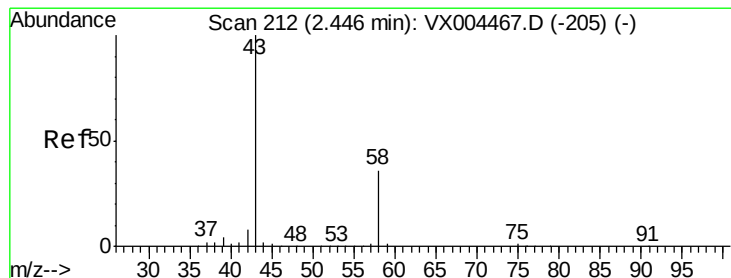
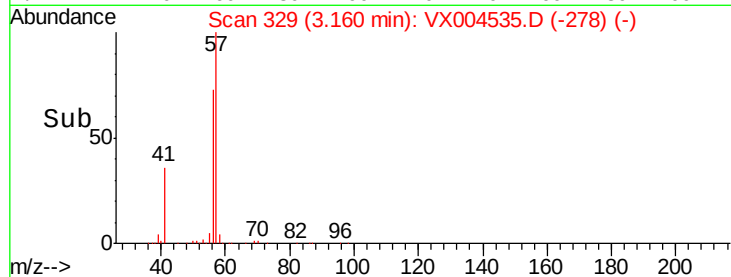
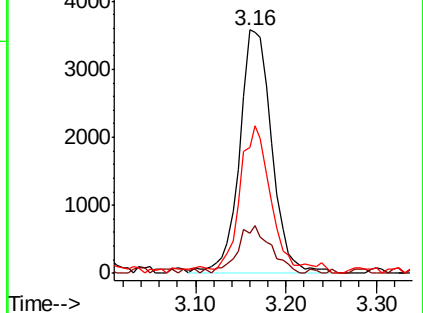
51 53.1 28.2 42.2#



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: 2.26 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004535.D

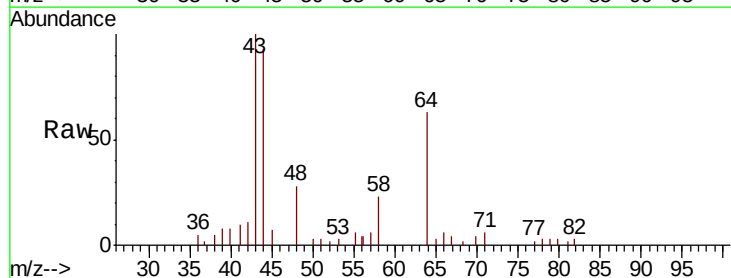
Acq: 14 Sep 2018 13:07

Tgt Ion: 43 Resp: 3890

Ion Ratio Lower Upper

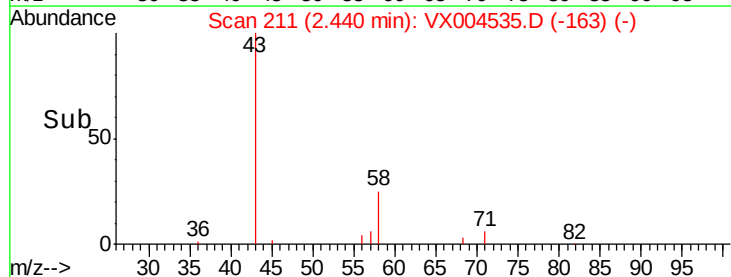
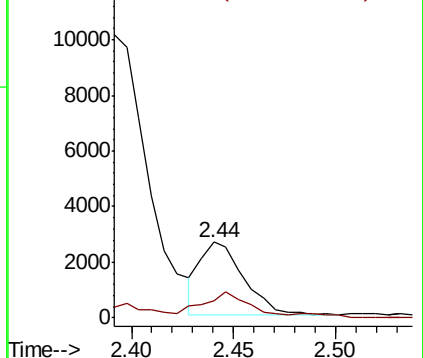
43 100

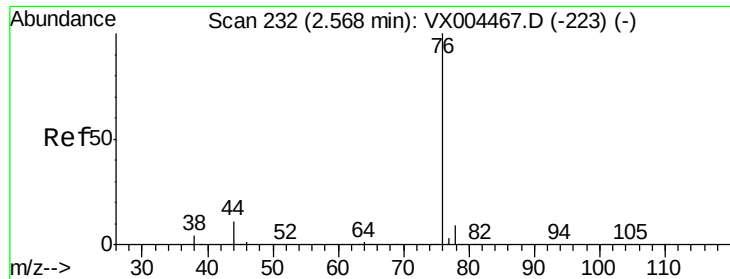
58 20.7 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.40 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

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ClientSampleId :

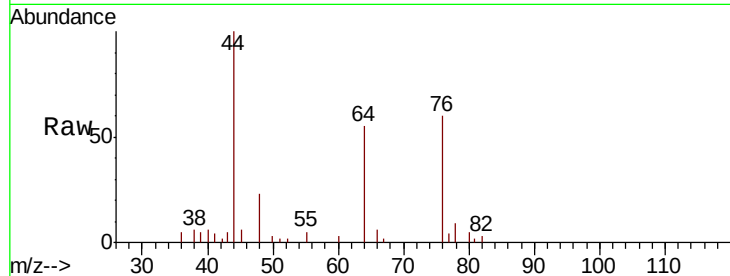
PR-MW-05-091218

Tot Ion: 76 Resp: 3328

Ion Ratio Lower Upper

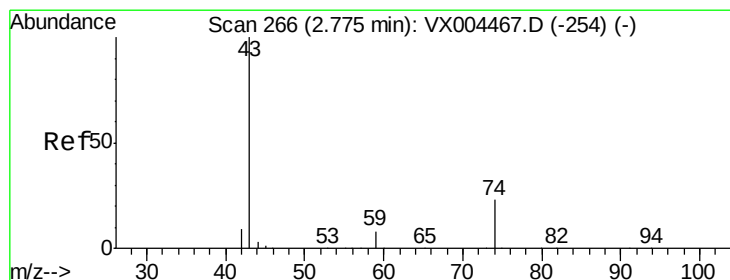
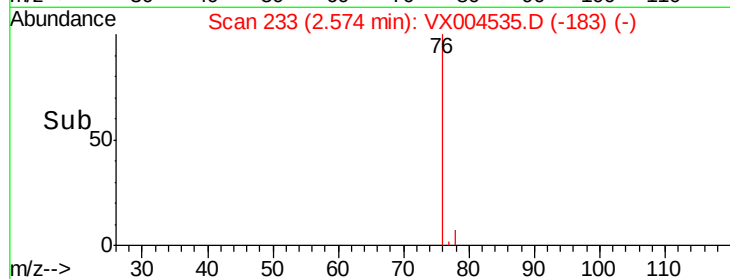
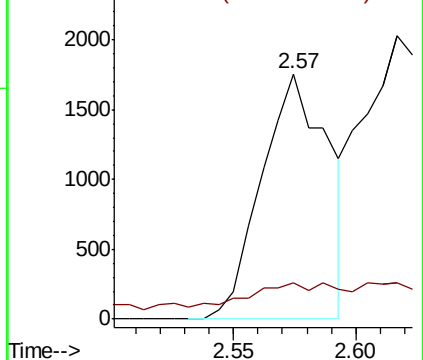
76 100

78 10.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 3.00 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX004535.D

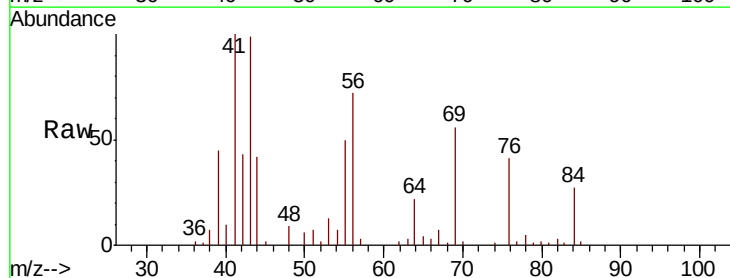
Acq: 14 Sep 2018 13:07

Tgt Ion: 43 Resp: 14534

Ion Ratio Lower Upper

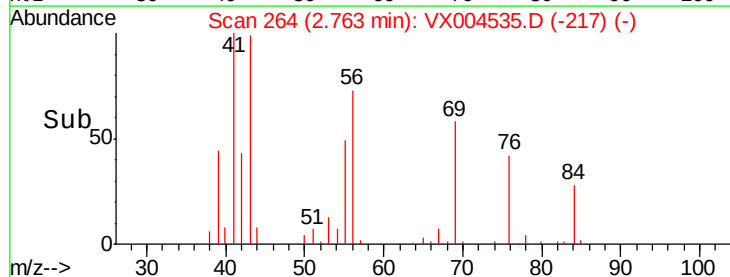
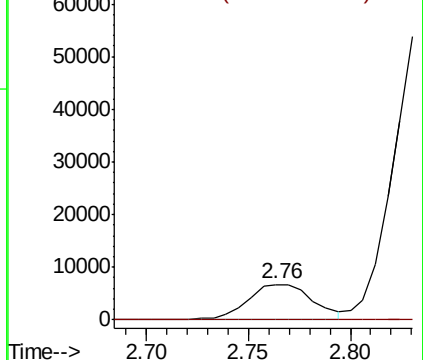
43 100

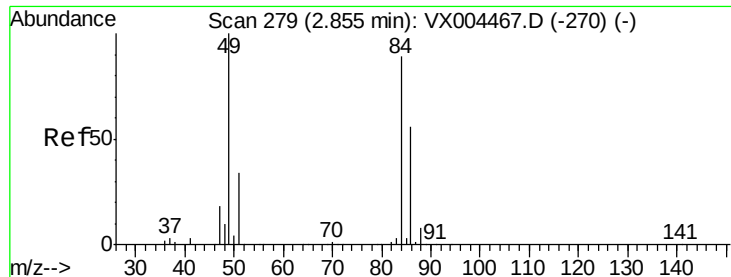
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

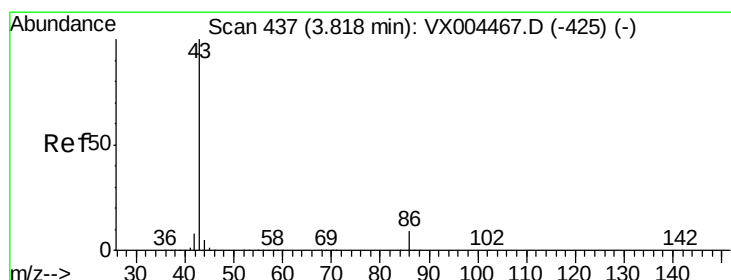
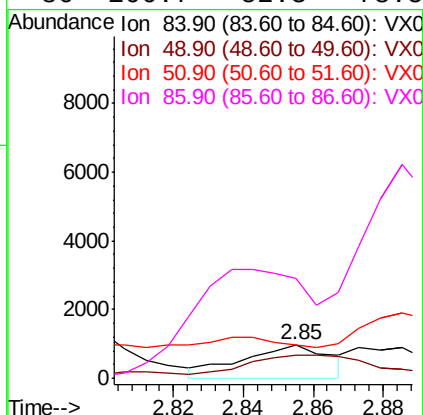
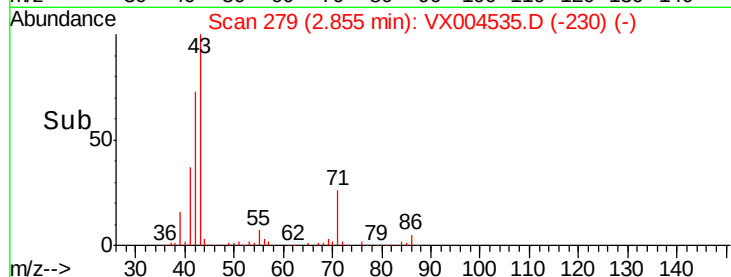
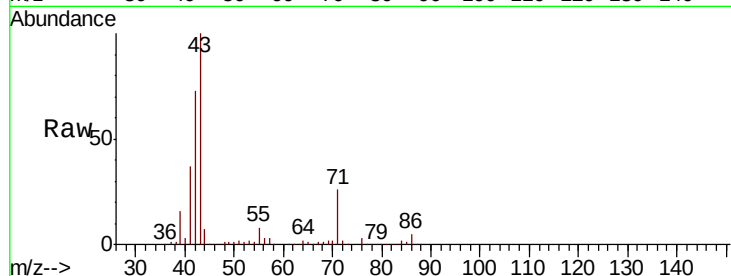




#20
Methvlene Chloride
Concen: 0.48 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

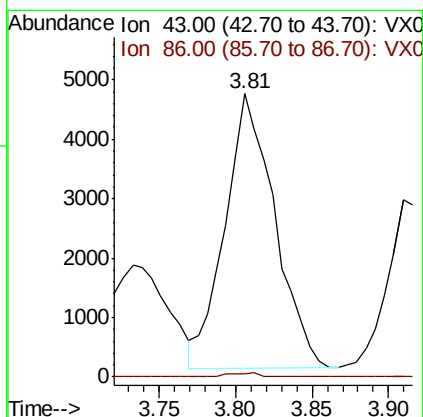
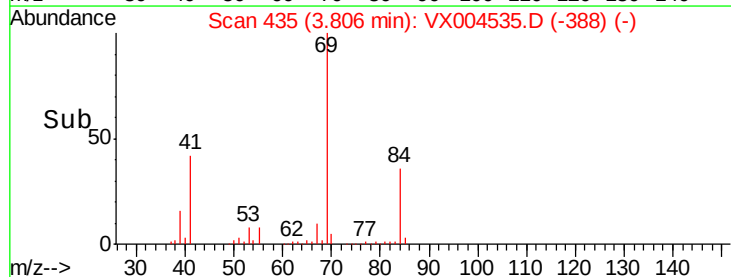
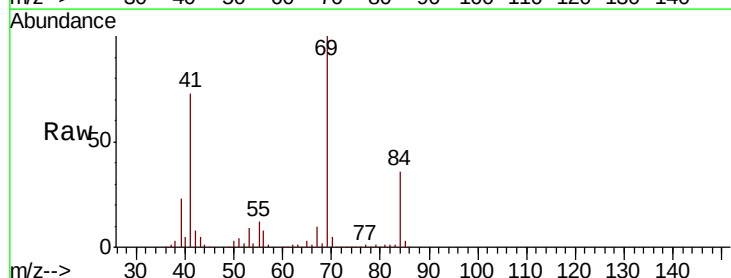
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

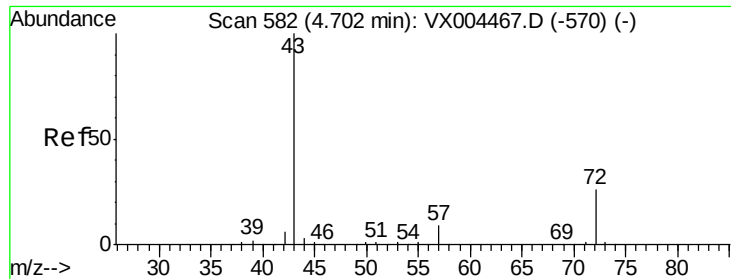
Tot Ion: 84 Resp: 1686
Ion Ratio Lower Upper
84 100
49 81.5 101.2 151.8#
51 0.0 29.5 44.3#
86 166.7 52.3 78.5#



#23
Vinyl Acetate
Concen: 1.22 ug/l
RT: 3.81 min Scan# 435
Delta R.T. -0.01 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 43 Resp: 10437
Ion Ratio Lower Upper
43 100
86 1.3 8.9 13.3#





#25

2-Butanone

Concen: 0.95 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

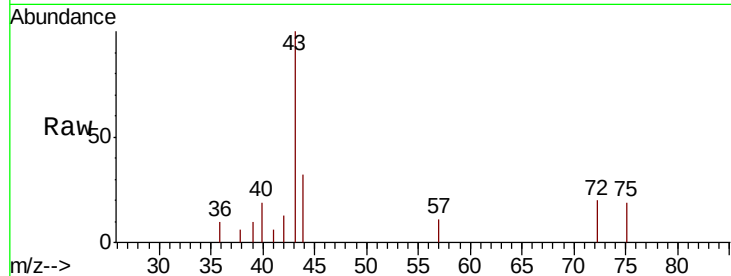
PR-MW-05-091218

Tot Ion: 43 Resp: 2619

Ion Ratio Lower Upper

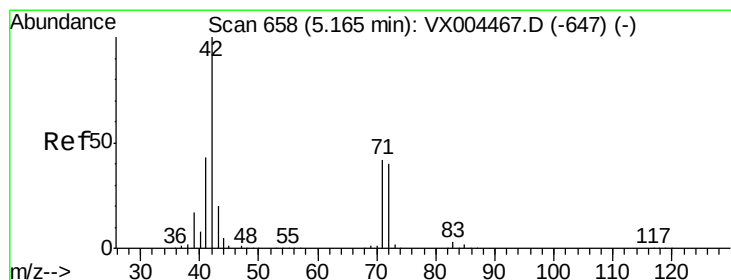
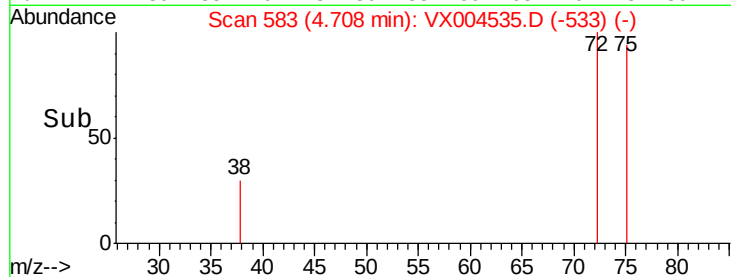
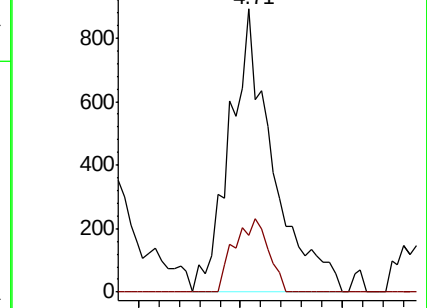
43 100

72 20.1 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.19 min Scan# 662

Delta R.T. 0.02 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

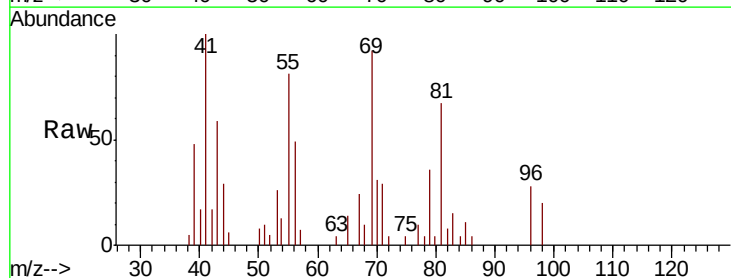
Tgt Ion: 42 Resp: 414

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

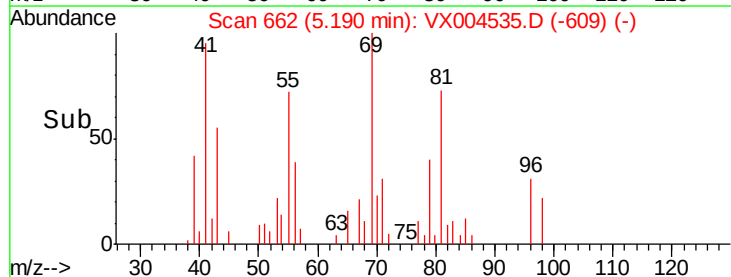
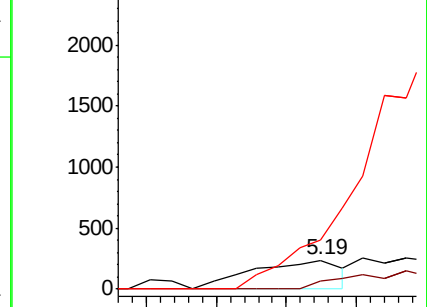
71 0.0 34.5 51.7#

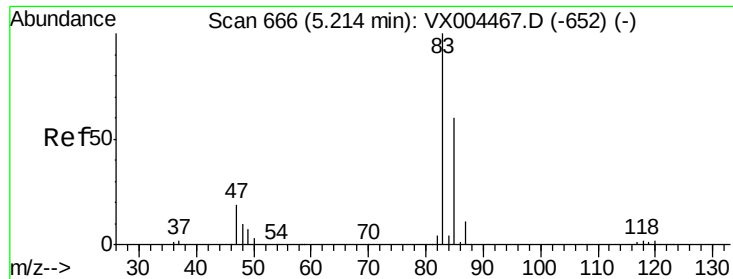


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

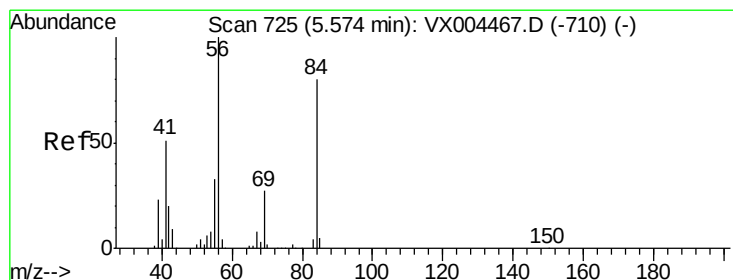
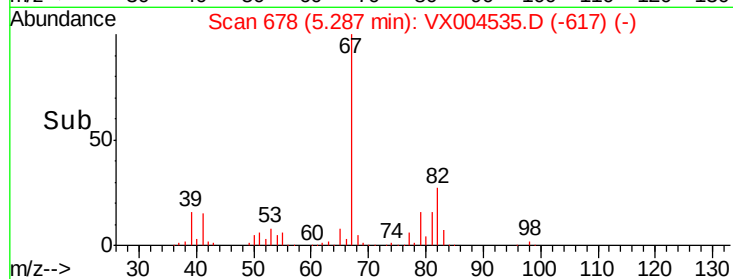
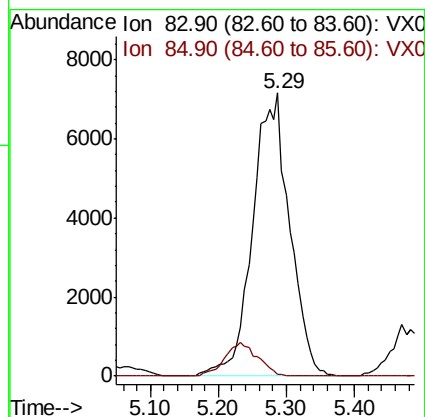
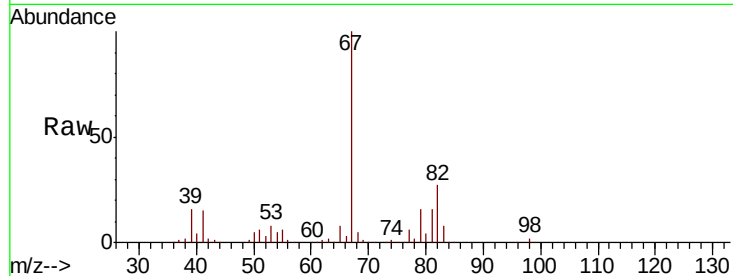




#30
Chloroform
Concen: 4.63 ug/l
RT: 5.29 min Scan# 678
Delta R.T. 0.07 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

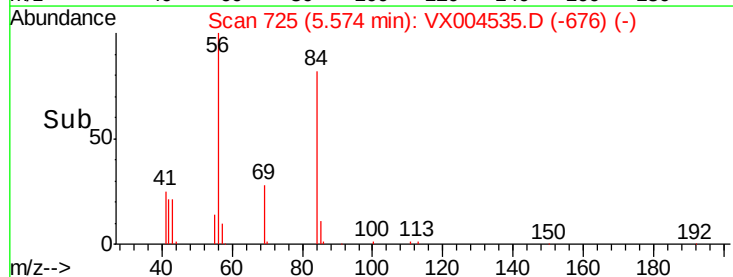
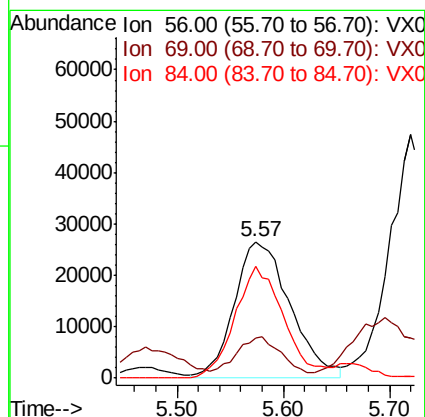
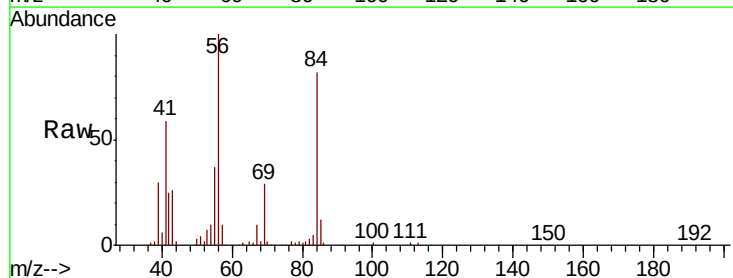
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

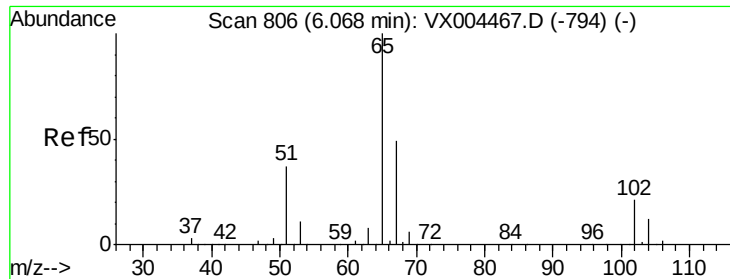
Tot Ion: 83 Resp: 27086
Ion Ratio Lower Upper
83 100
85 0.7 52.6 79.0#



#31
Cyclohexane
Concen: 19.02 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 56 Resp: 97241
Ion Ratio Lower Upper
56 100
69 20.0 25.4 38.2#
84 83.1 71.4 107.2

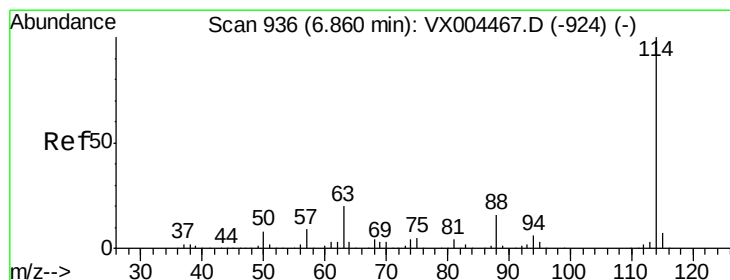
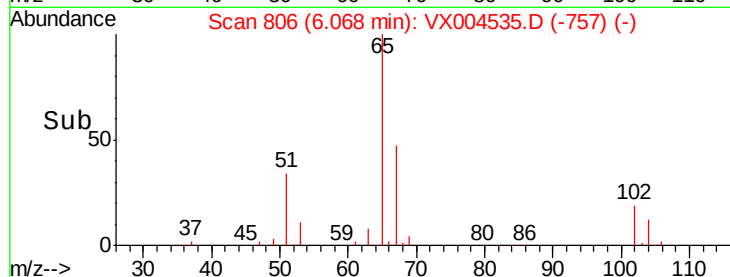
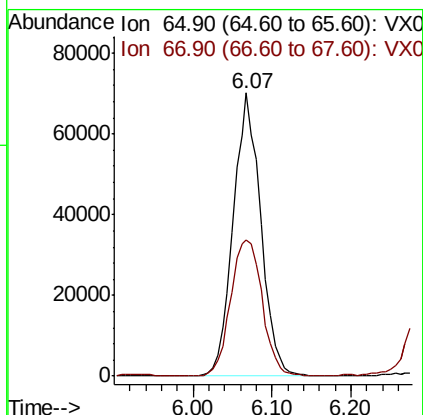
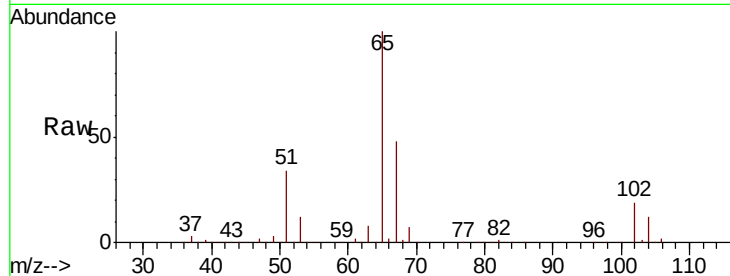




#33
 1,2-Dichloroethane-d4
 Concen: 48.28 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004535.D
 Acq: 14 Sep 2018 13:07

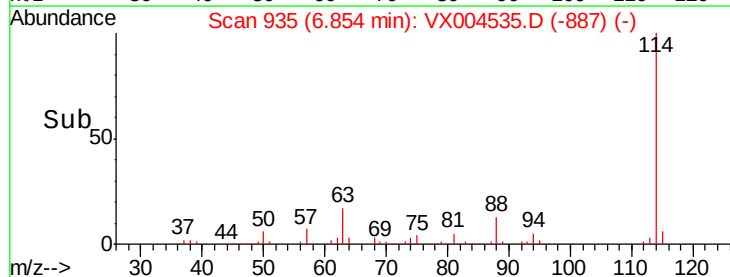
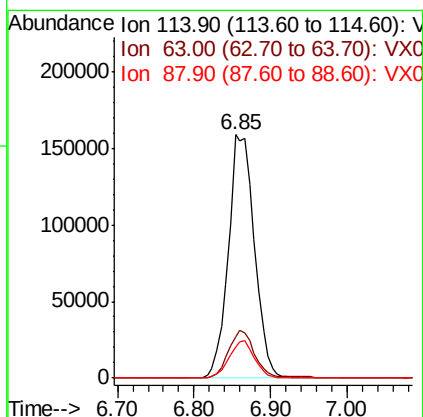
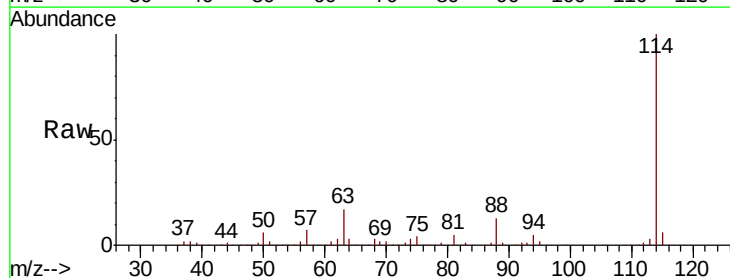
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-05-091218

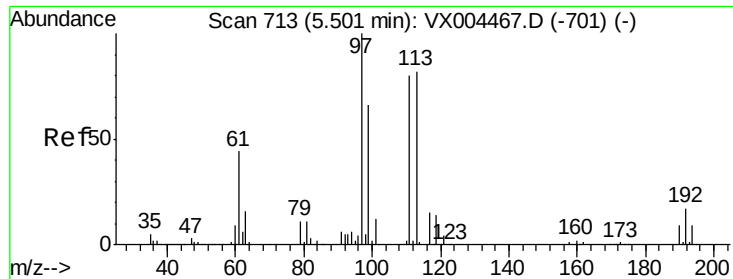
Tot Ion: 65 Resp: 170631
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX004535.D
 Acq: 14 Sep 2018 13:07

Tgt Ion: 114 Resp: 374148
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 39.0
 88 13.0 0.0 30.4

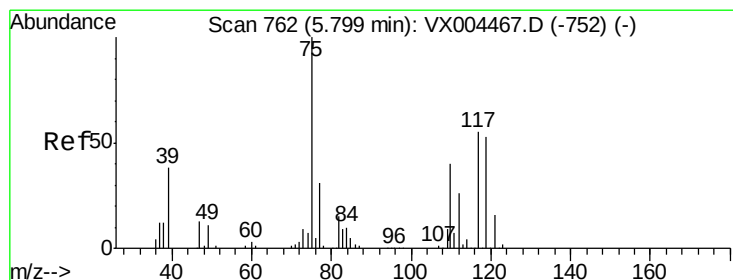
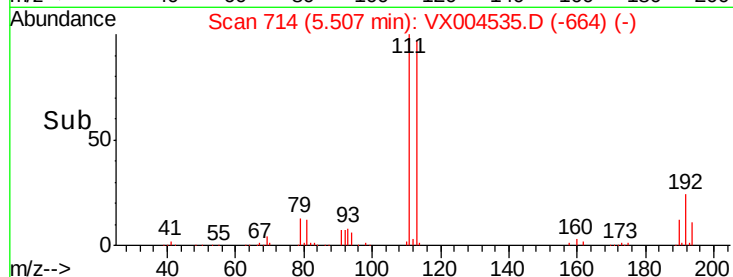
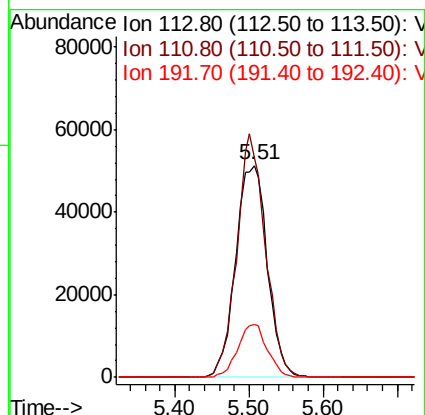
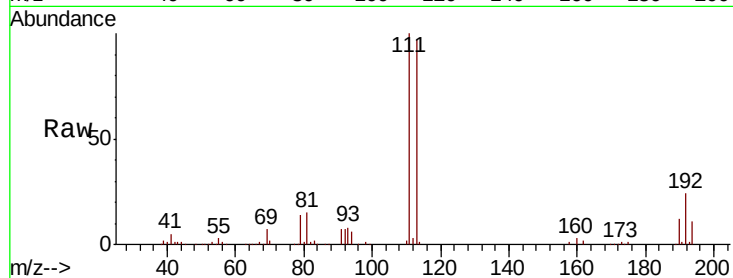




#35
 Dibromofluoromethane
 Concen: 44.89 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004535.D
 Acq: 14 Sep 2018 13:07

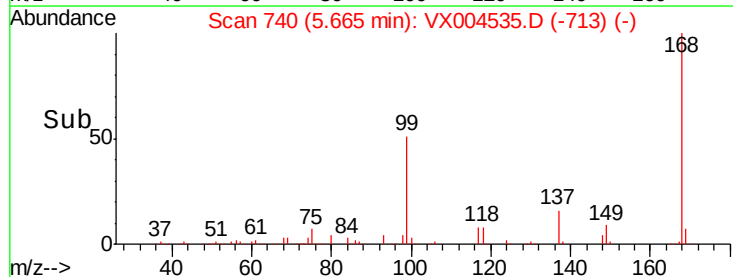
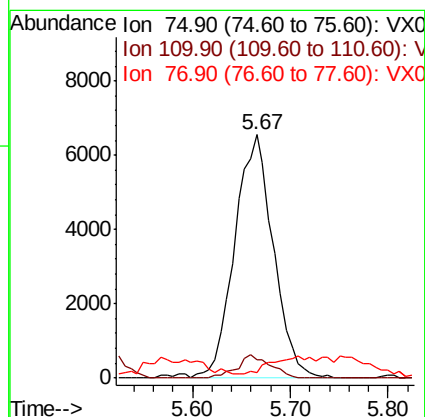
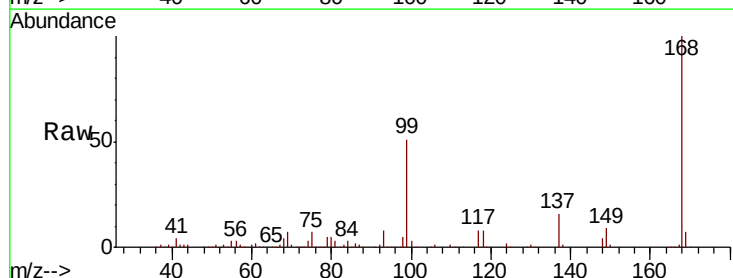
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-05-091218

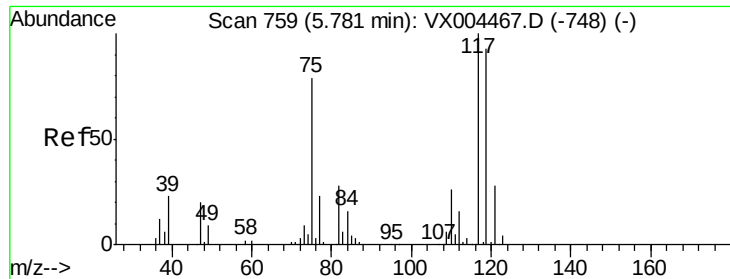
Tot Ion:113 Resp: 153706
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.4 123.6
 192 23.4 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.95 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004535.D
 Acq: 14 Sep 2018 13:07

Tgt Ion: 75 Resp: 17948
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.31 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-05-091218

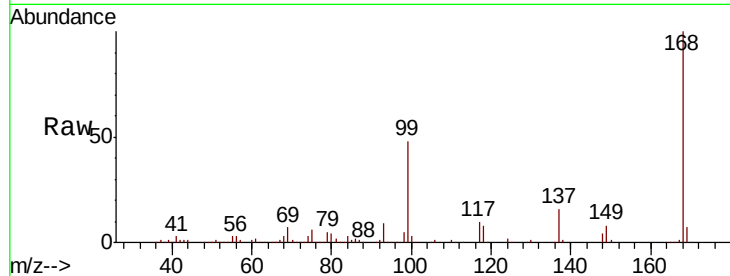
Tot Ion:117 Resp: 23573

Ion Ratio Lower Upper

117 100

119 4.4 78.8 118.2#

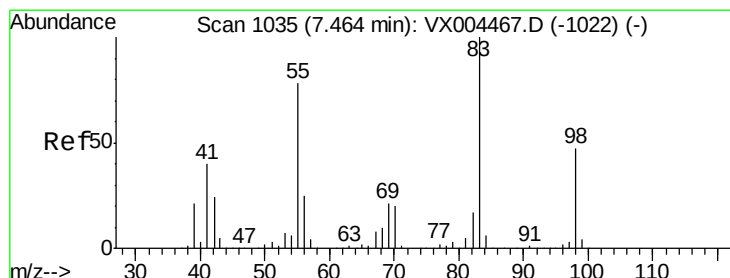
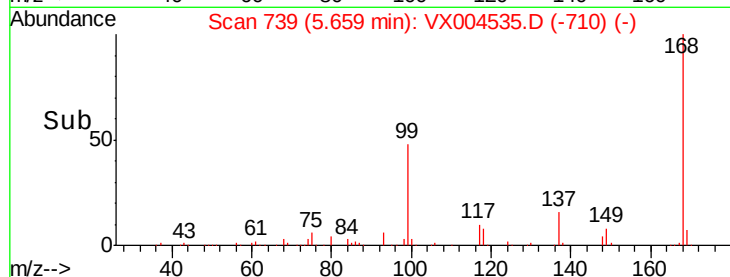
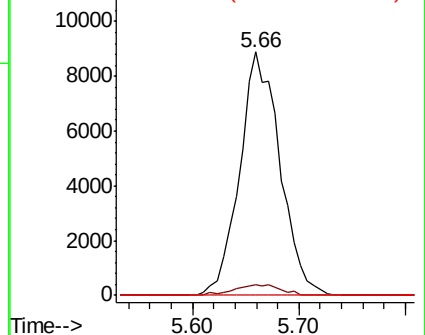
121 0.0 24.9 37.3#



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: 20.25 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

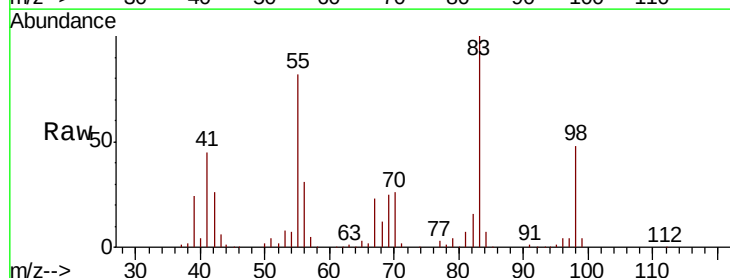
Tgt Ion: 83 Resp: 95984

Ion Ratio Lower Upper

83 100

55 81.7 61.0 91.4

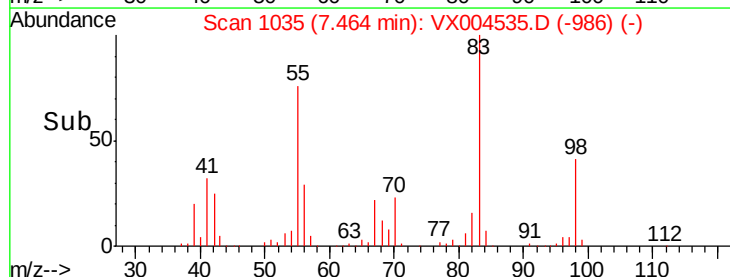
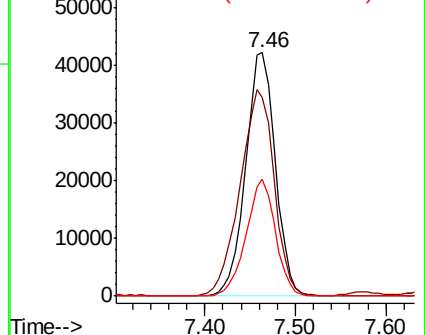
98 47.9 39.6 59.4

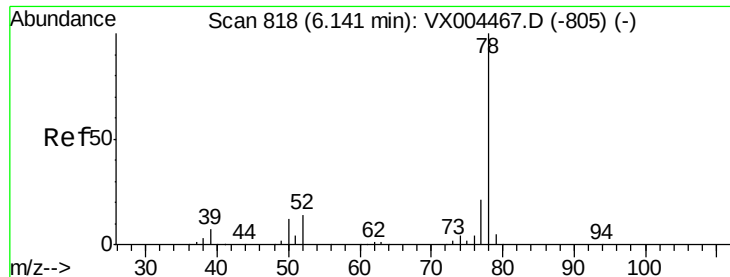


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 3.27 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

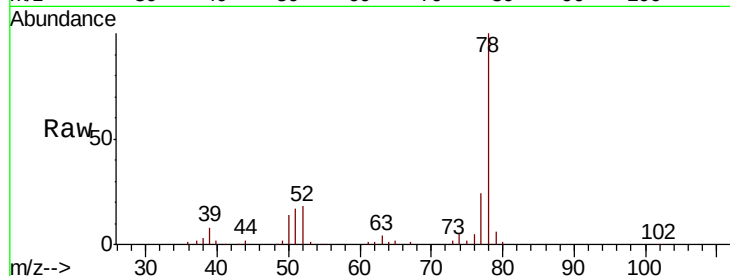
PR-MW-05-091218

Tot Ion: 78 Resp: 44035

Ion Ratio Lower Upper

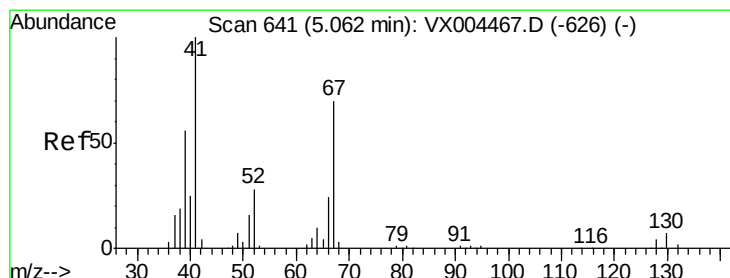
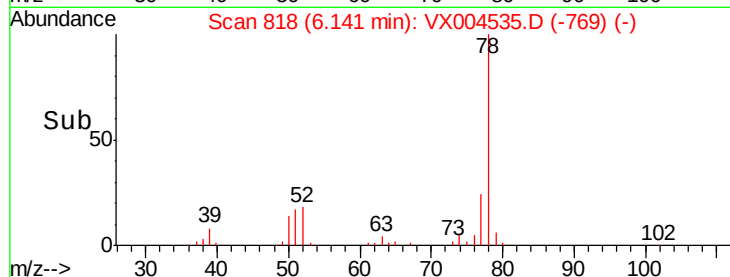
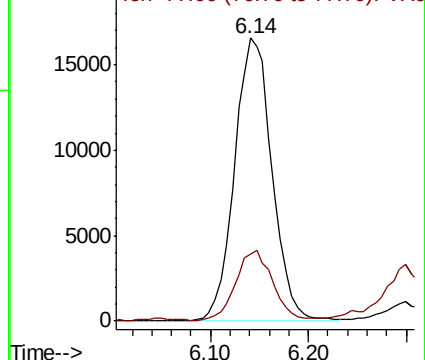
78 100

77 23.4 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: 1.90 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Tgt Ion: 41 Resp: 5408

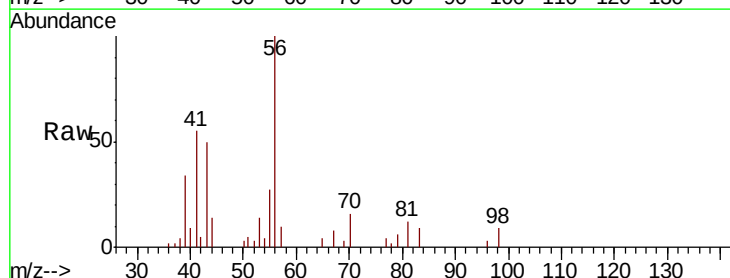
Ion Ratio Lower Upper

41 100

39 36.1 42.4 63.6#

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#

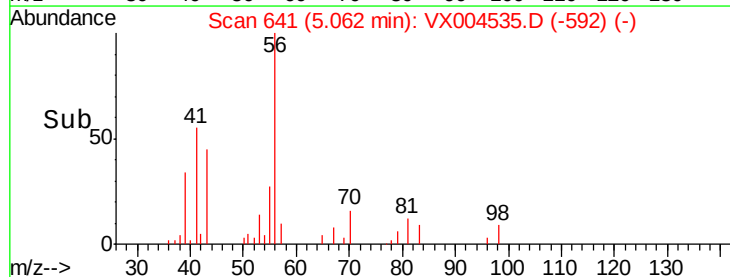
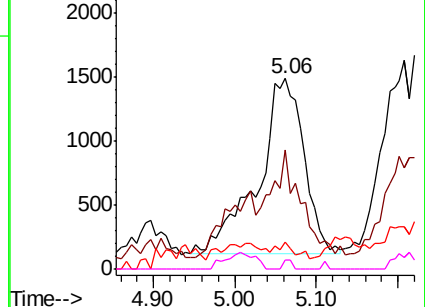


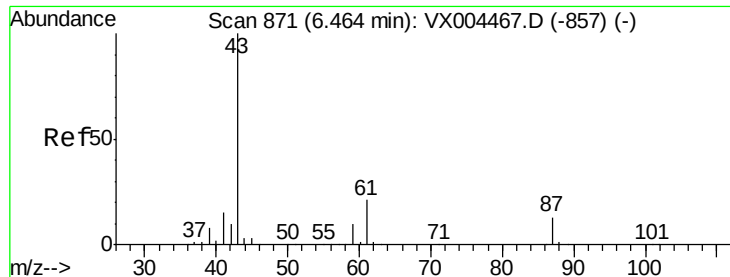
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 1.00 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-05-091218

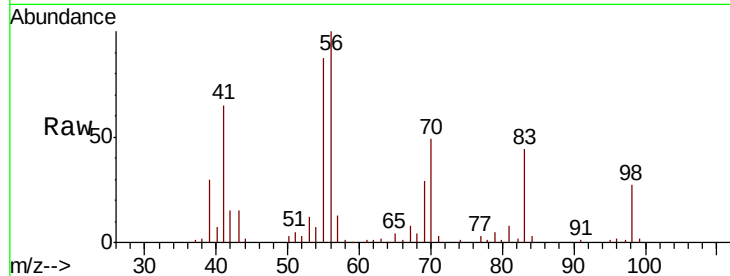
Tot Ion: 43 Resp: 6855

Ion Ratio Lower Upper

43 100

61 1.3 17.0 25.4#

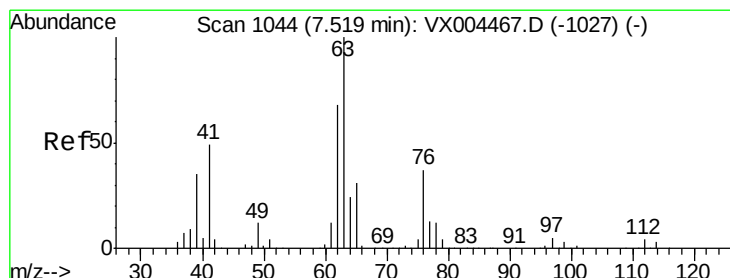
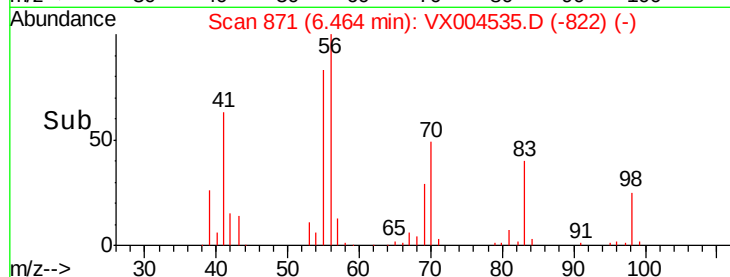
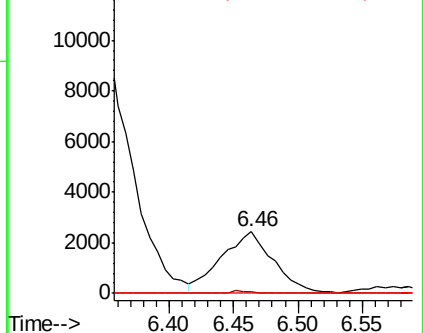
87 0.0 11.4 17.2#



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



#45

1,2-Dichloropropane

Concen: 0.50 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX004535.D

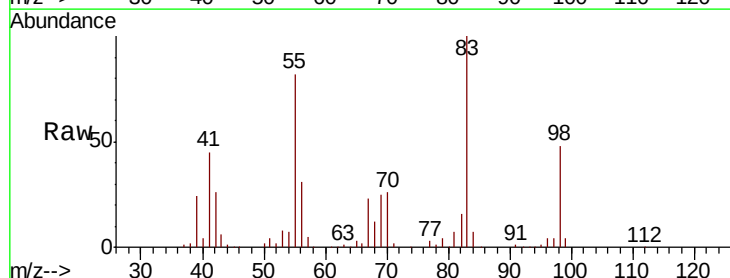
Acq: 14 Sep 2018 13:07

Tgt Ion: 63 Resp: 1630

Ion Ratio Lower Upper

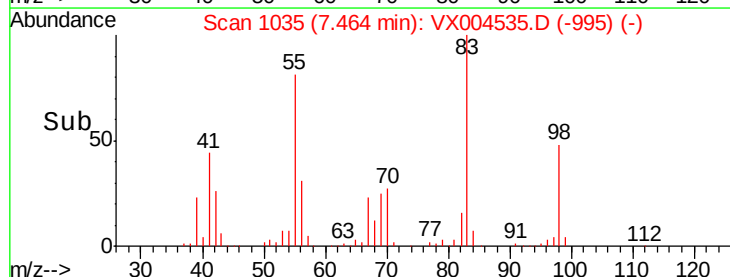
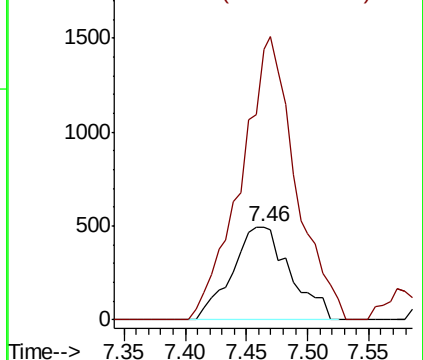
63 100

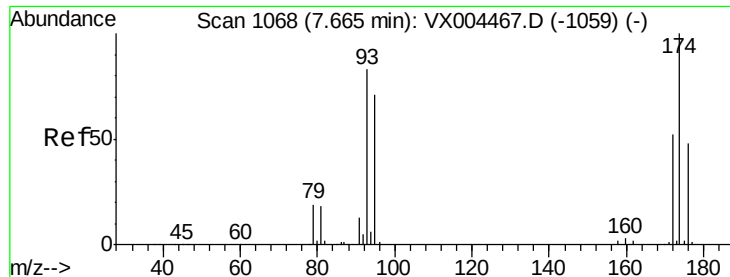
65 289.9 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

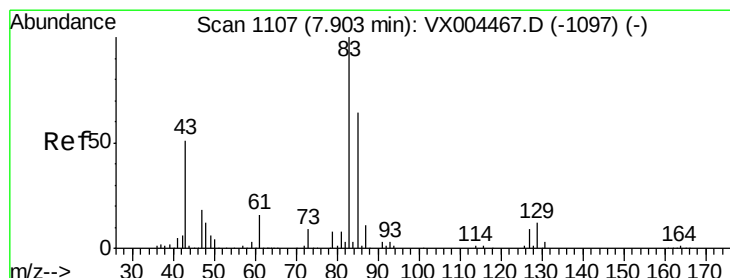
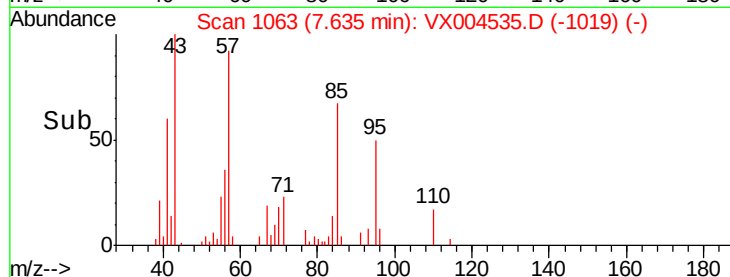
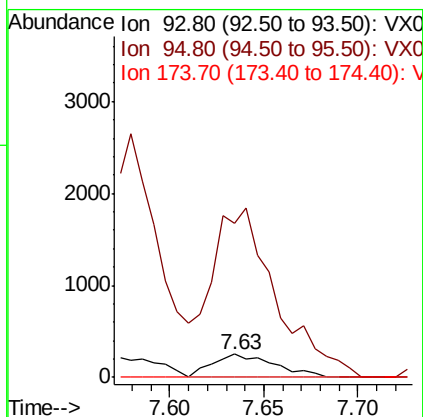
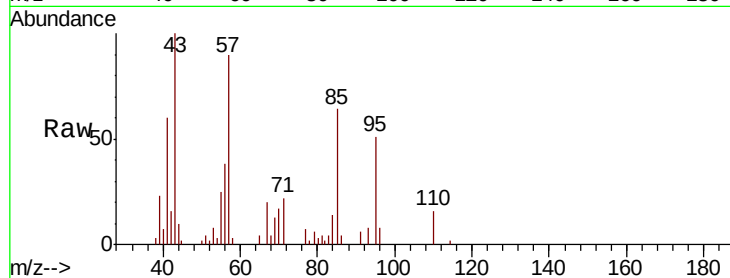




#46
Dibromomethane
Concen: 0.28 ug/l
RT: 7.63 min Scan# 1063
Delta R.T. -0.03 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

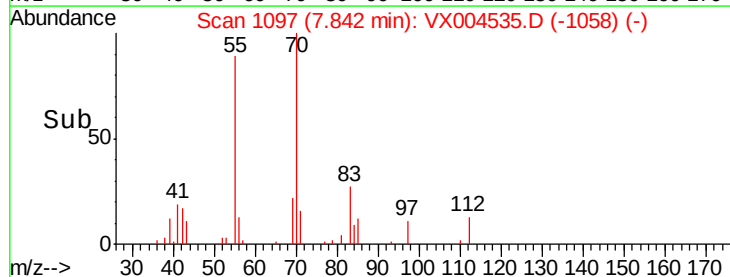
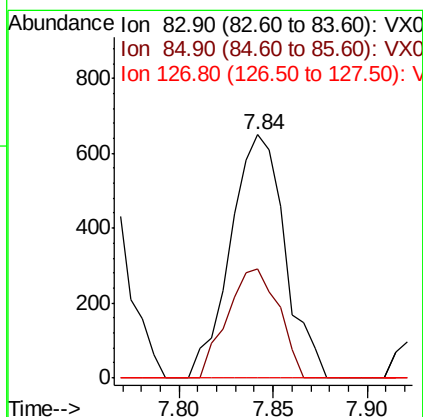
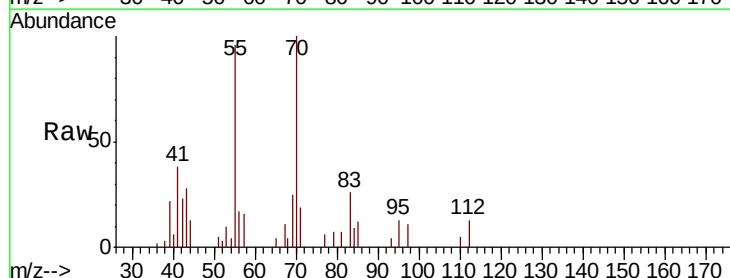
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

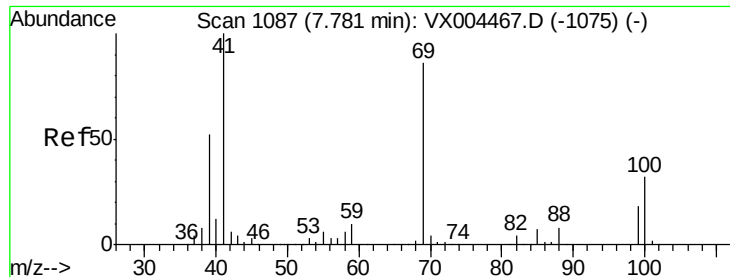
Tot Ion: 93 Resp: 582
Ion Ratio Lower Upper
93 100
95 752.9 65.5 98.3#
174 0.0 94.2 141.4#



#47
Bromodichloromethane
Concen: 0.34 ug/l
RT: 7.84 min Scan# 1097
Delta R.T. -0.06 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 83 Resp: 1298
Ion Ratio Lower Upper
83 100
85 44.9 50.9 76.3#
127 0.0 7.3 10.9#

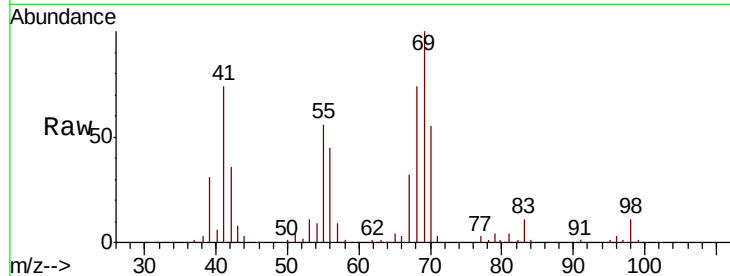




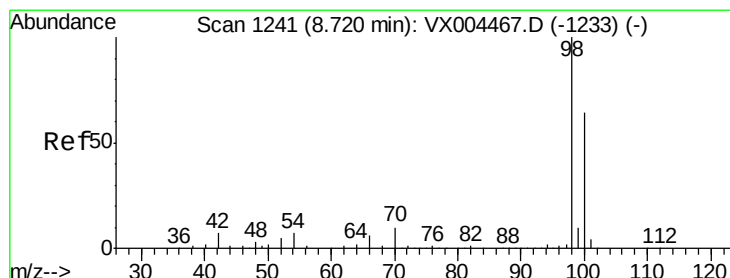
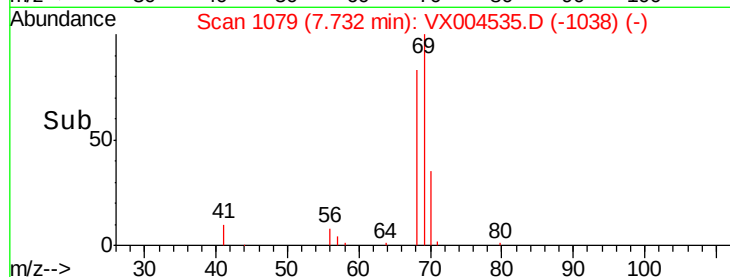
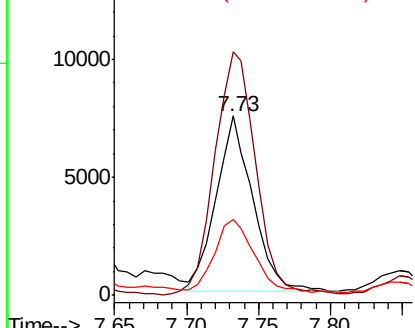
#48
Methvl methacrylate
Concen: 3.92 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.05 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

Tot Ion: 41 Resp: 13312
Ion Ratio Lower Upper
41 100
69 155.6 70.2 105.4#
39 45.1 42.7 64.1

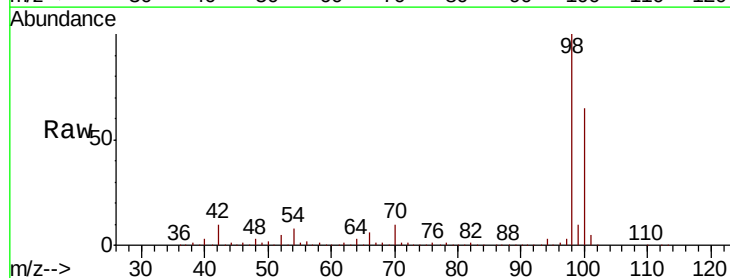


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

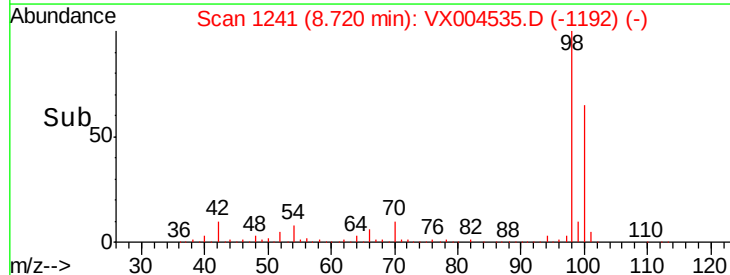
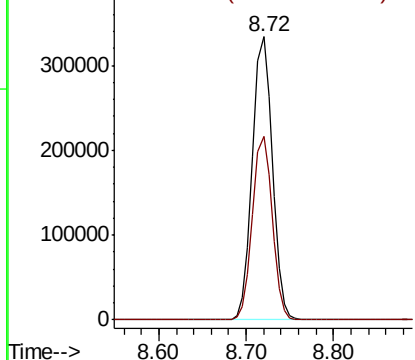


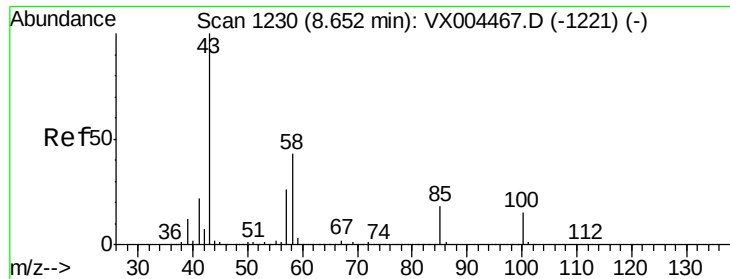
#50
Toluene-d8
Concen: 46.10 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 98 Resp: 529349
Ion Ratio Lower Upper
98 100
100 64.3 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: 25.16 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.13 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

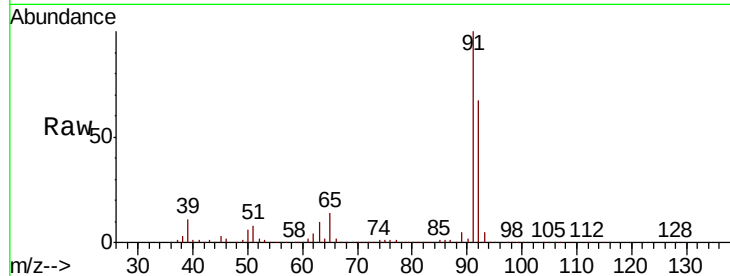
PR-MW-05-091218

Tot Ion: 43 Resp: 121824

Ion Ratio Lower Upper

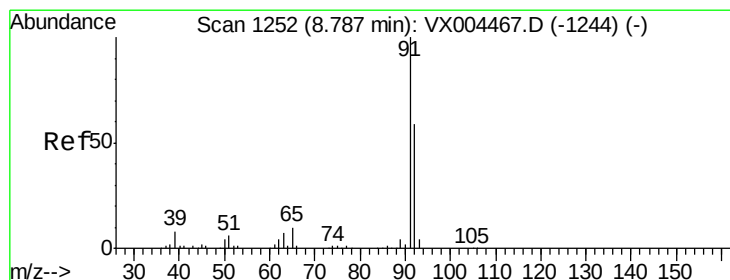
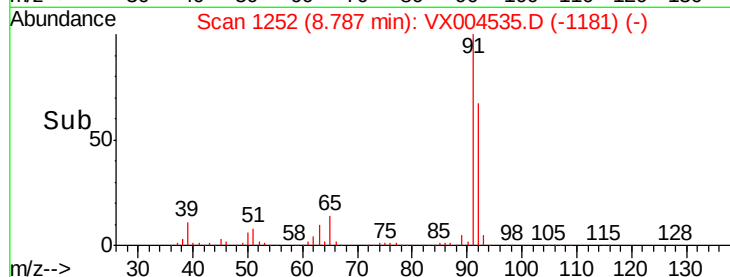
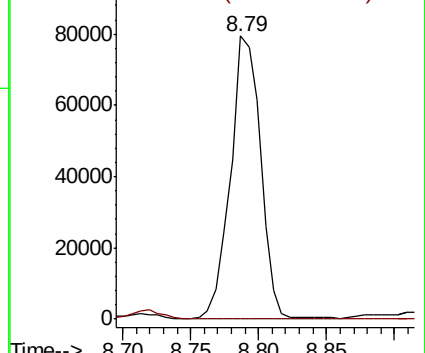
43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1070.67 ug/l

RT: 8.79 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VX004535.D

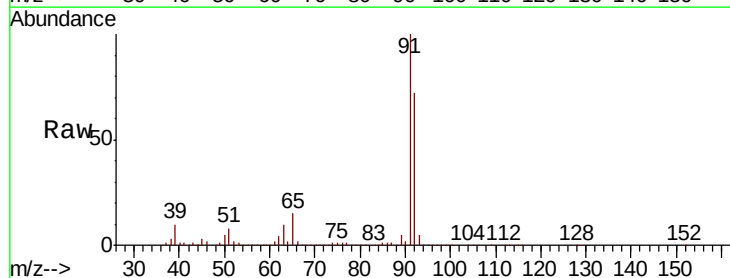
Acq: 14 Sep 2018 13:07

Tgt Ion: 92 Resp: 8501624

Ion Ratio Lower Upper

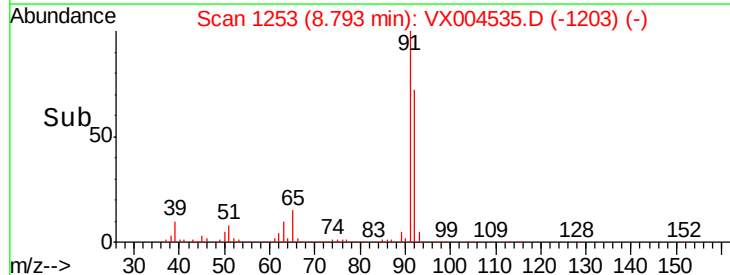
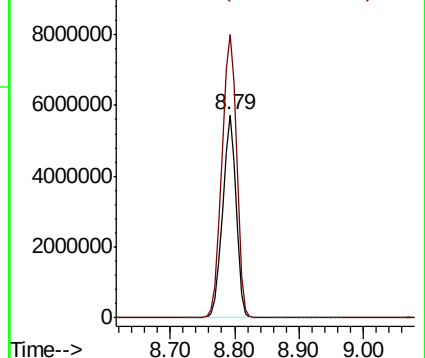
92 100

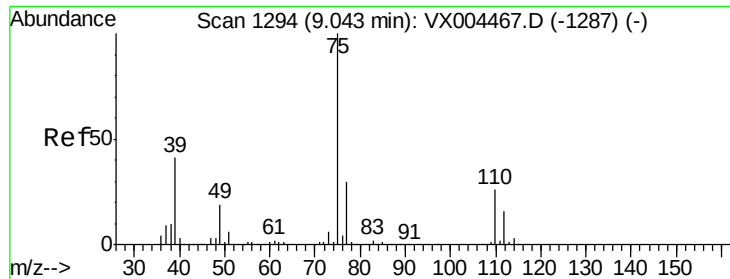
91 153.1 136.4 204.6



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: 21.08 ug/l

RT: 8.79 min Scan# 1253

Delta R.T. -0.25 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

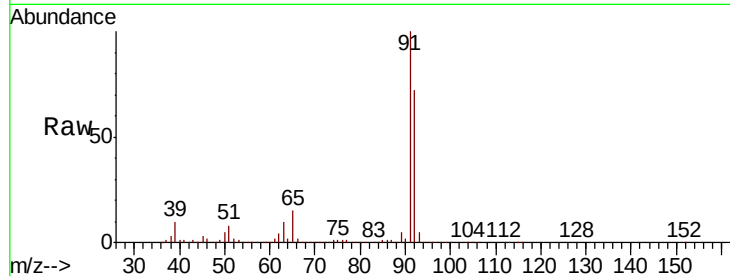
PR-MW-05-091218

Tot Ion: 75 Resp: 95428

Ion Ratio Lower Upper

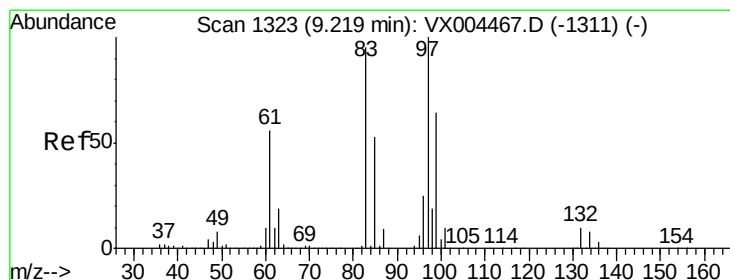
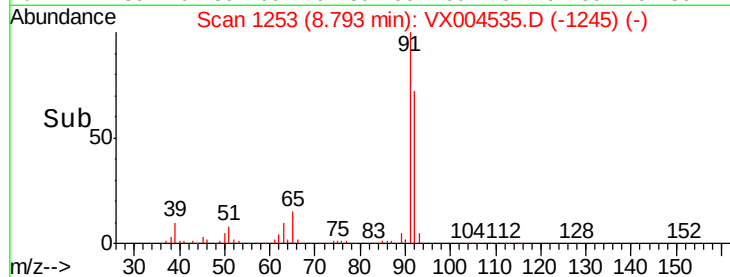
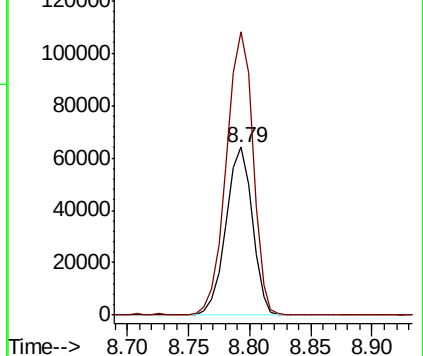
75 100

77 168.2 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#55

1,1,2-Trichloroethane

Concen: 2.94 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Tgt Ion: 97 Resp: 10060

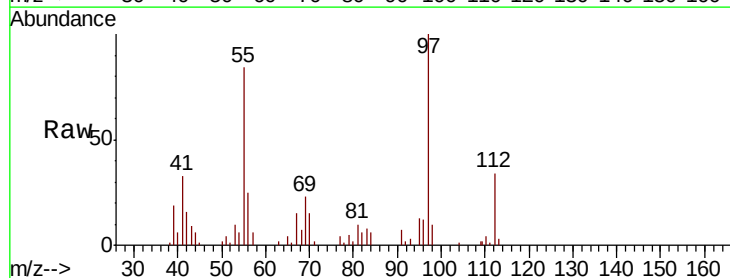
Ion Ratio Lower Upper

97 100

83 5.7 66.4 99.6#

85 0.0 43.3 64.9#

99 0.0 49.0 73.4#

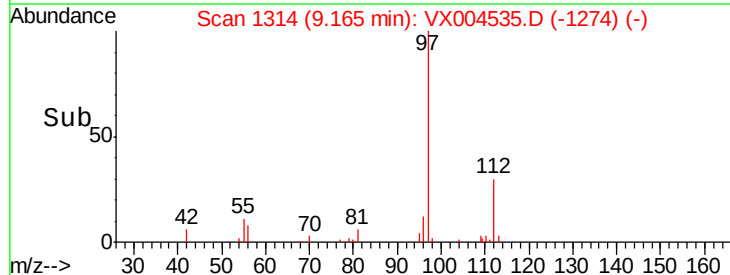
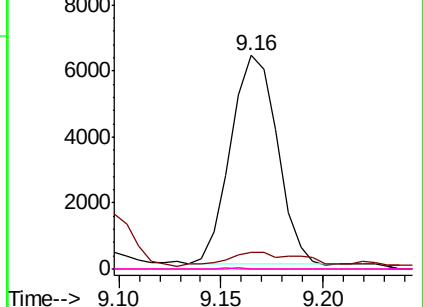


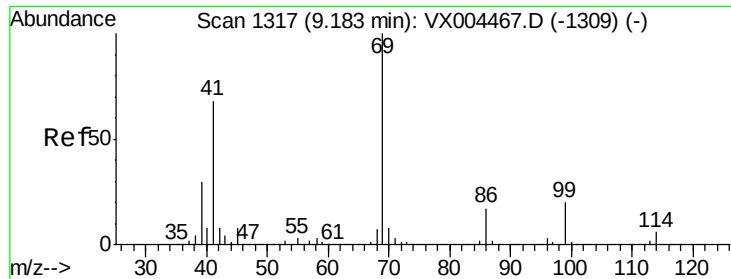
Abundance Ion 96.90 (96.60 to 97.60): VX0

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

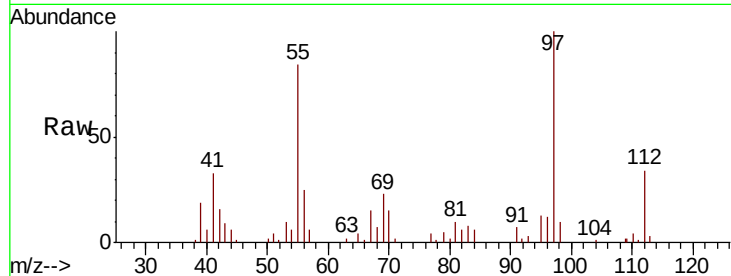




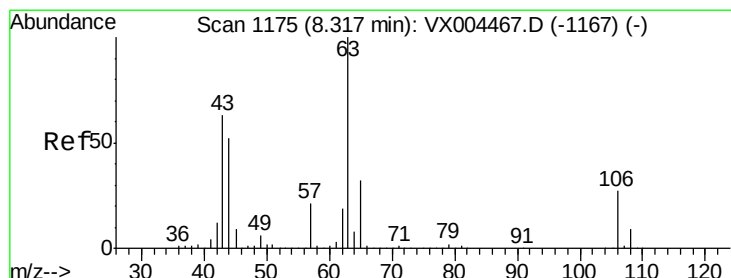
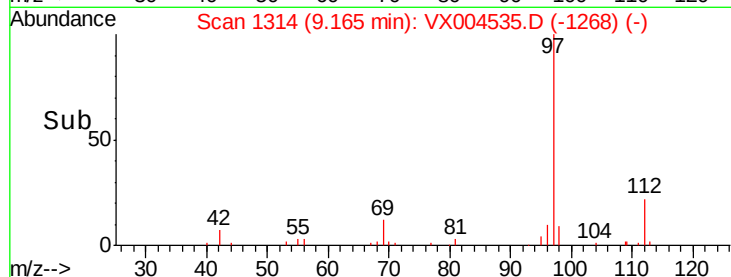
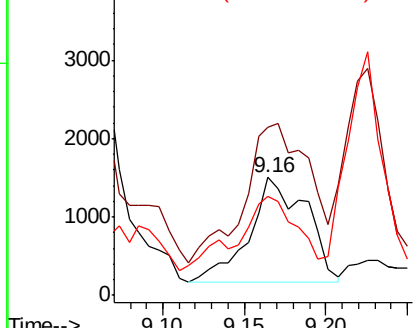
#56
Ethyl methacrylate
Concen: 0.67 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

Tot Ion: 69 Resp: 3246
Ion Ratio Lower Upper
69 100
41 151.7 51.0 76.4#
39 71.8 26.1 39.1#

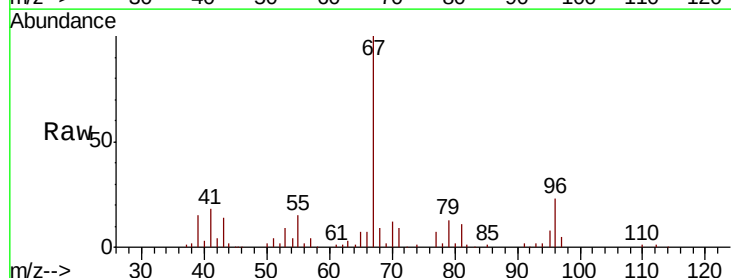


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

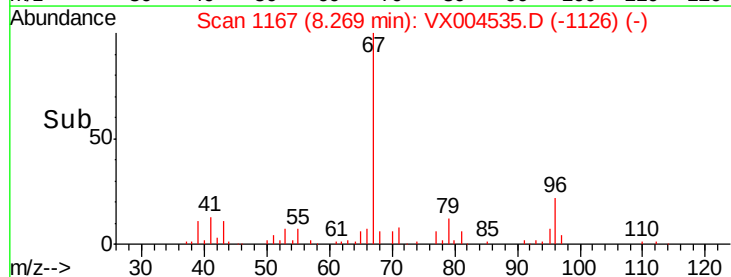
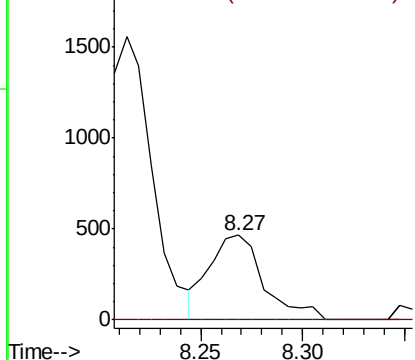


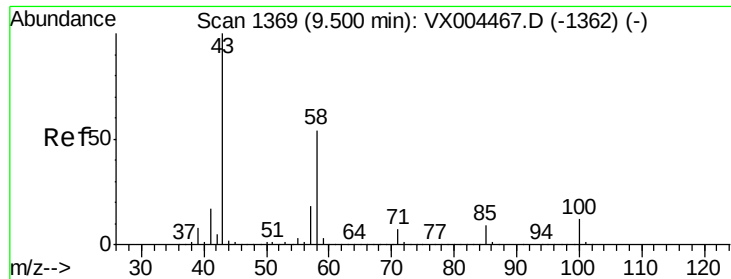
#58
2-Chloroethyl Vinyl ether
Concen: 7.61 ug/l
RT: 8.27 min Scan# 1167
Delta R.T. -0.05 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 63 Resp: 866
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

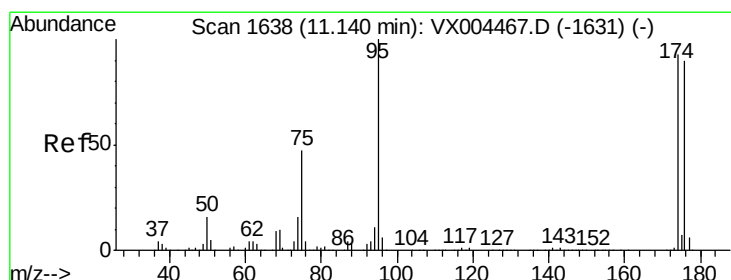
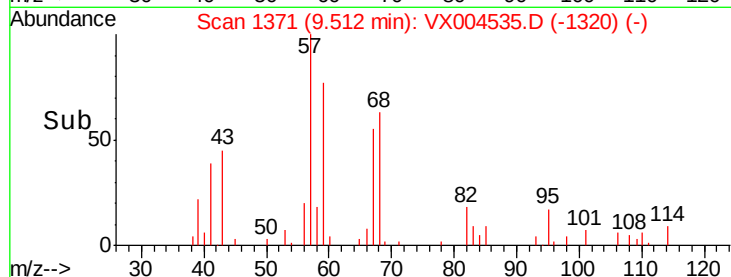
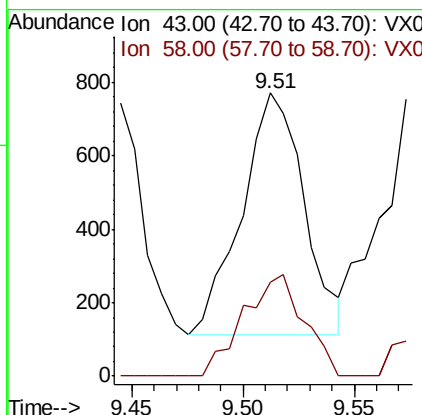
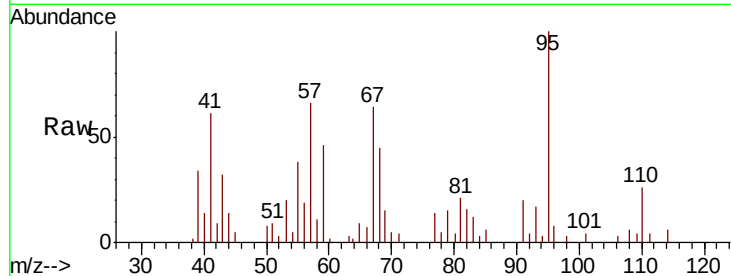




#59
2-Hexanone
Concen: 0.34 ug/l
RT: 9.51 min Scan# 1371
Delta R.T. 0.01 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

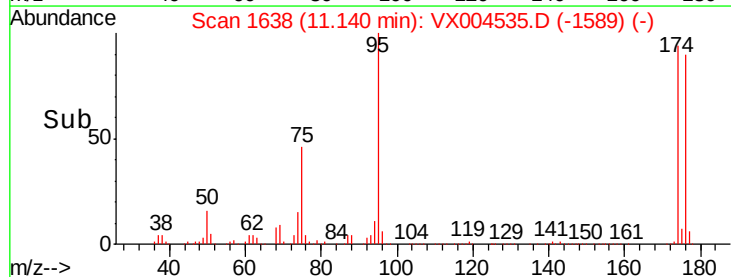
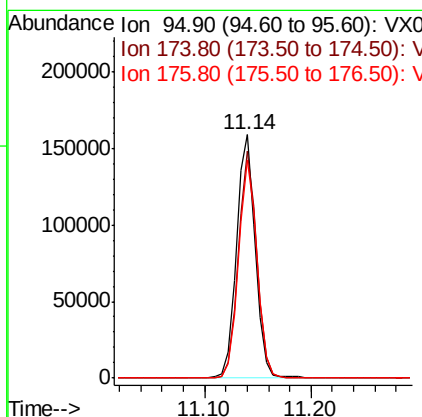
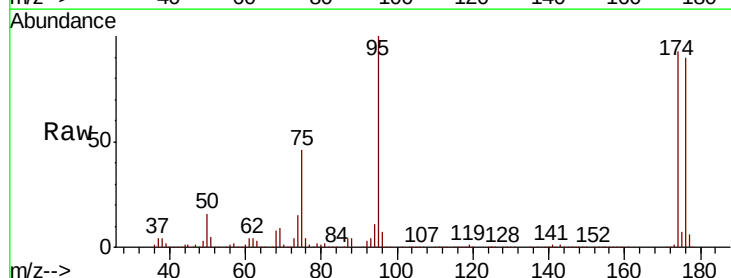
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

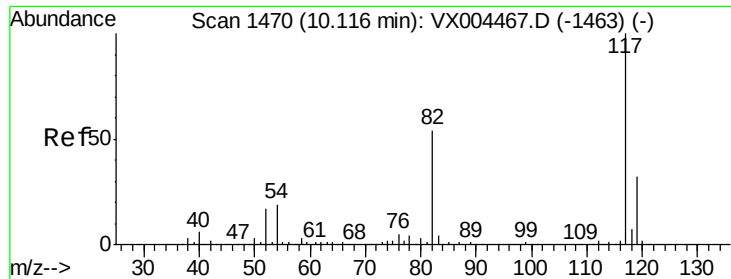
Tot Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
58 40.9 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 47.70 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 95 Resp: 195495
Ion Ratio Lower Upper
95 100
174 92.1 0.0 185.2
176 88.9 0.0 178.6

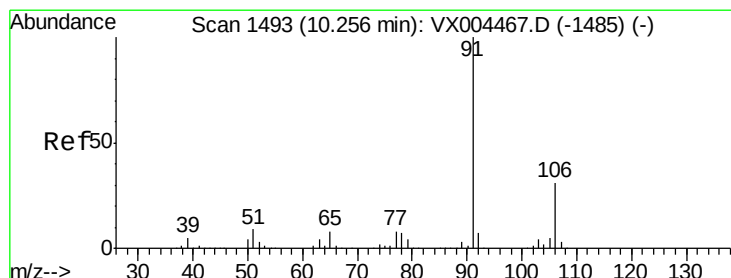
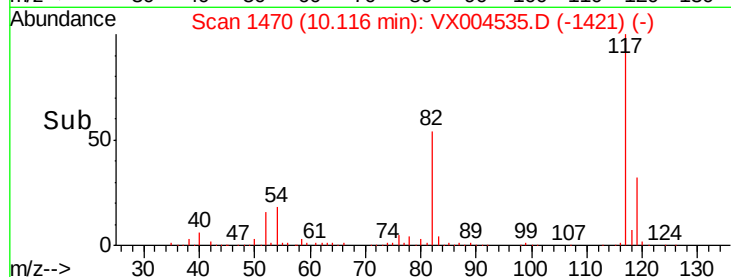
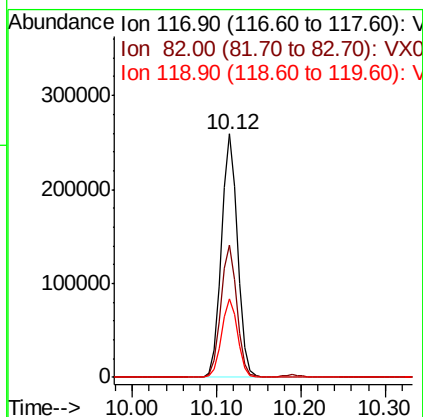
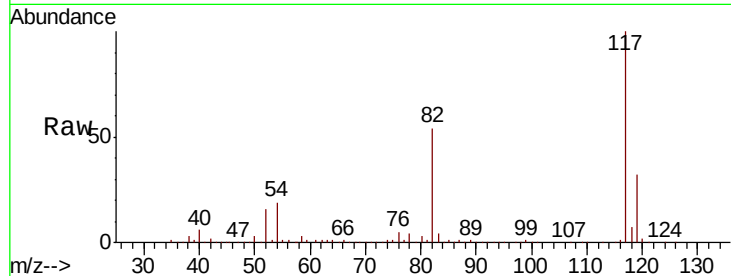




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

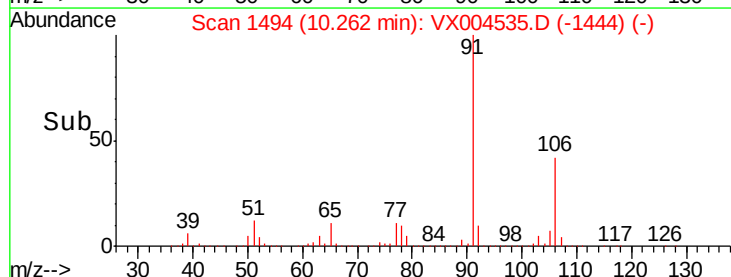
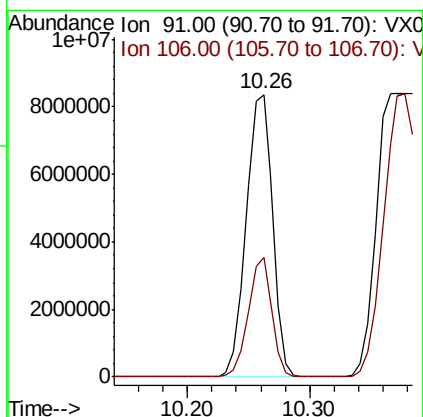
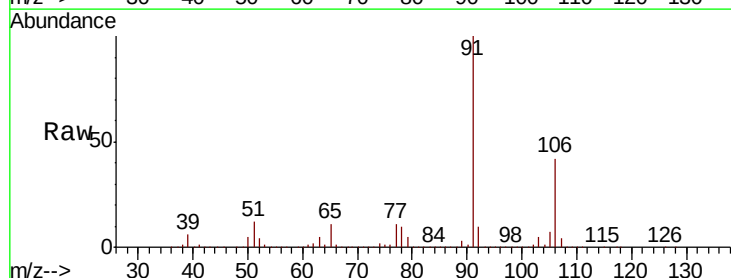
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

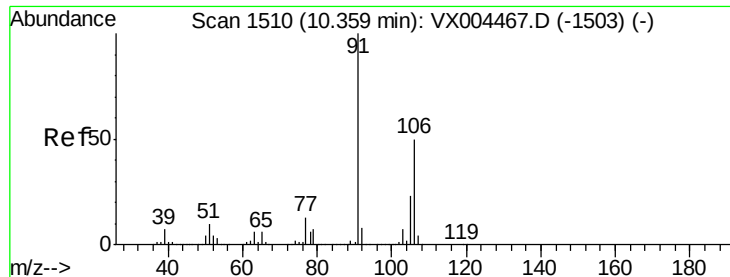
Tot Ion:117 Resp: 343674
Ion Ratio Lower Upper
117 100
82 54.1 47.8 71.6
119 32.3 29.3 43.9



#67
Ethyl Benzene
Concen: 904.45 ug/l
RT: 10.26 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 91 Resp:12554561
Ion Ratio Lower Upper
91 100
106 42.1 25.9 38.9#





#68

m/p-Xylenes

Concen: 2852.21 ug/l

RT: 10.38 min Scan# 1513

Delta R.T. 0.02 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

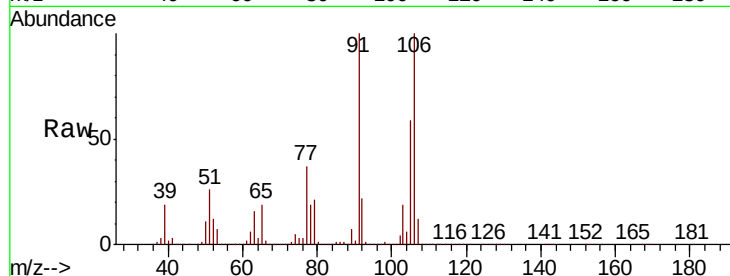
PR-MW-05-091218

Tot Ion:106 Resp:15250553

Ion Ratio Lower Upper

106 100

91 127.7 157.1 235.7#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

10.38

8000000

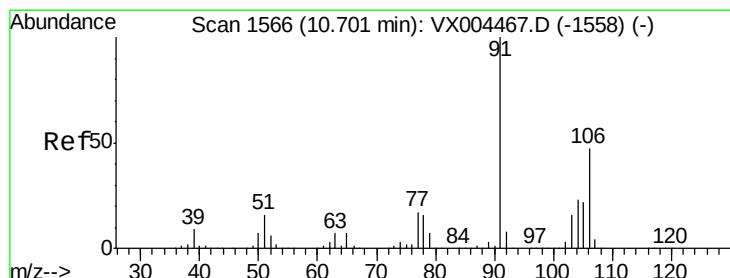
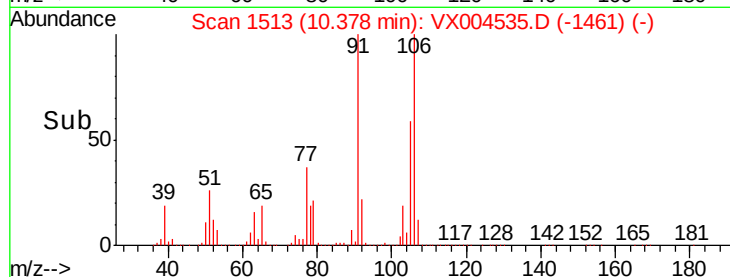
6000000

4000000

2000000

0

Time-->



#69

o-Xylene

Concen: 123.90 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX004535.D

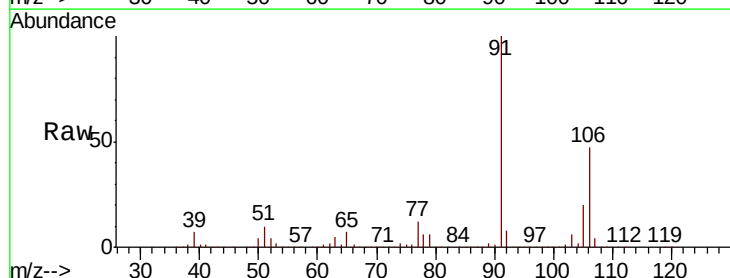
Acq: 14 Sep 2018 13:07

Tgt Ion:106 Resp: 636923

Ion Ratio Lower Upper

106 100

91 211.5 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

10.70

1200000

1000000

800000

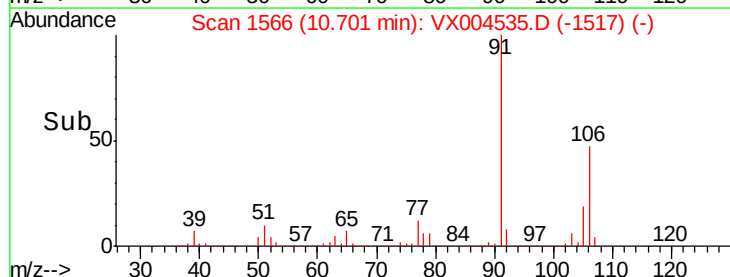
600000

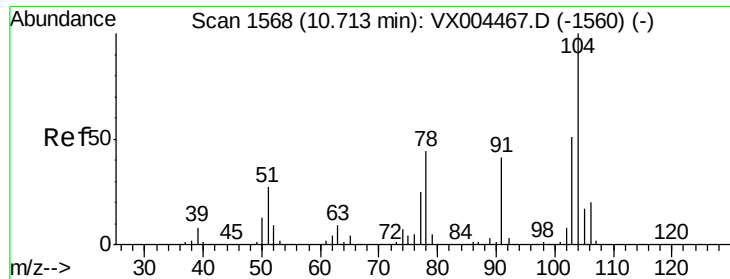
400000

200000

0

Time-->





#70

Stvrene

Concen: 4.16 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-05-091218

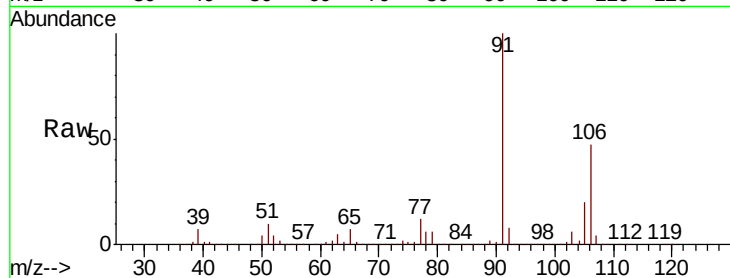
Tot Ion:104 Resp: 35408

Ion Ratio Lower Upper

104 100

78 245.9 37.4 56.0#

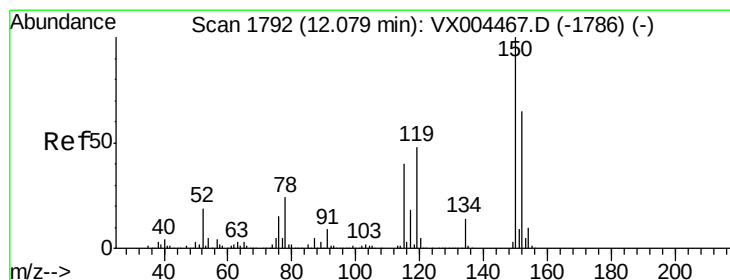
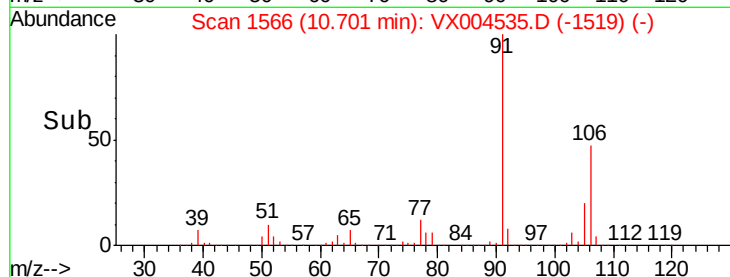
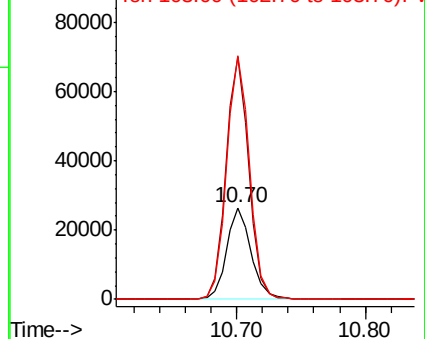
103 250.1 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

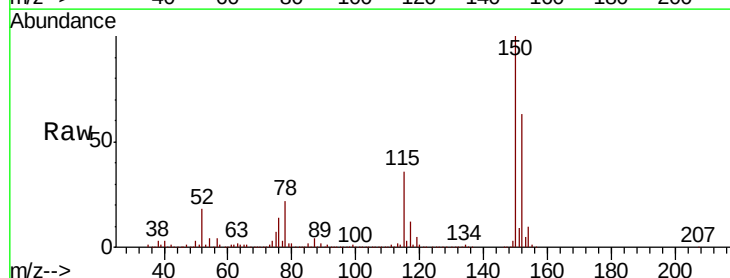
Tgt Ion:152 Resp: 209032

Ion Ratio Lower Upper

152 100

115 56.3 39.0 117.0

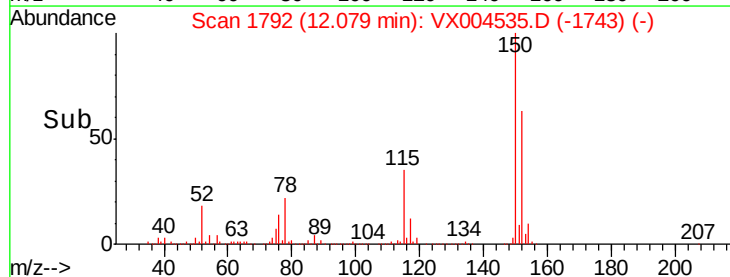
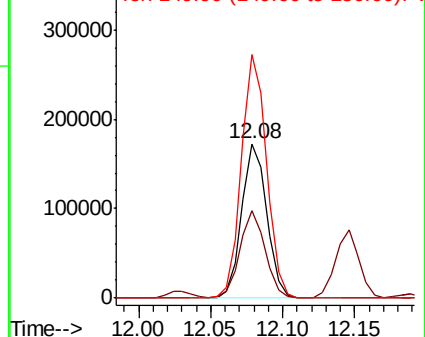
150 158.0 0.0 351.0

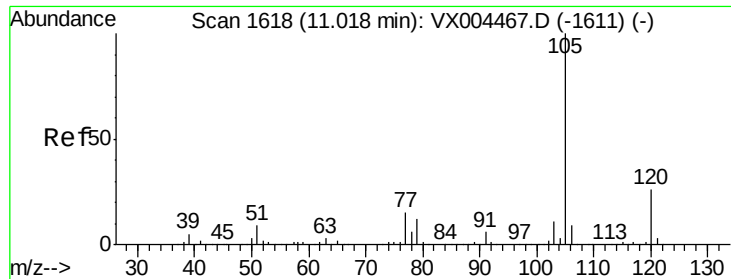


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 118.82 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

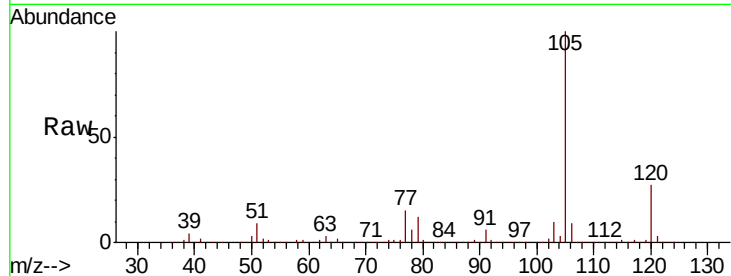
PR-MW-05-091218

Tot Ion:105 Resp: 1635746

Ion Ratio Lower Upper

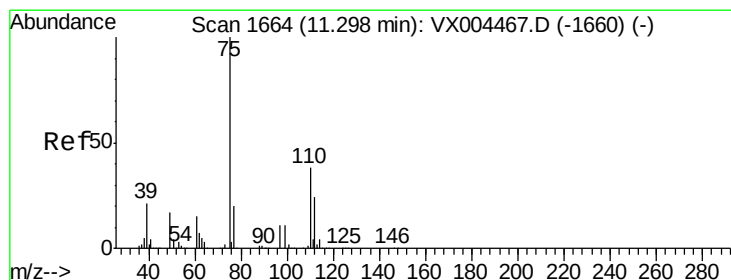
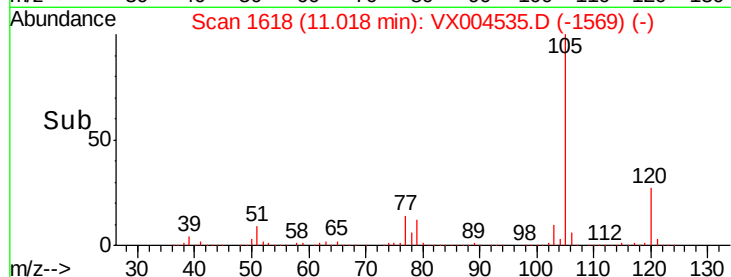
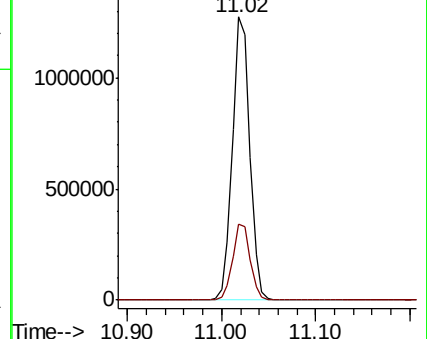
105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 2.30 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.06 min

Lab File: VX004535.D

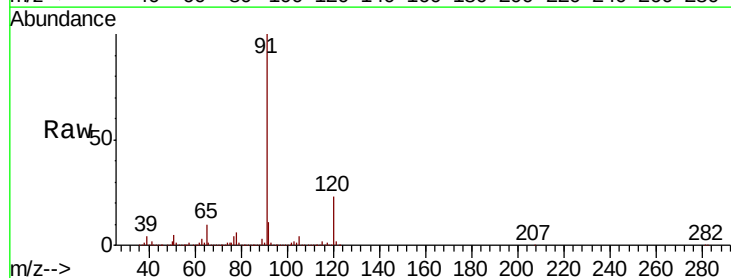
Acq: 14 Sep 2018 13:07

Tgt Ion: 75 Resp: 9689

Ion Ratio Lower Upper

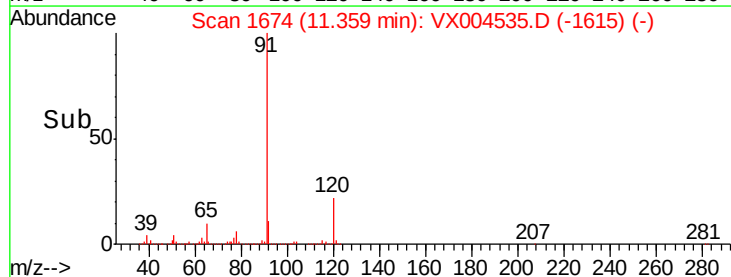
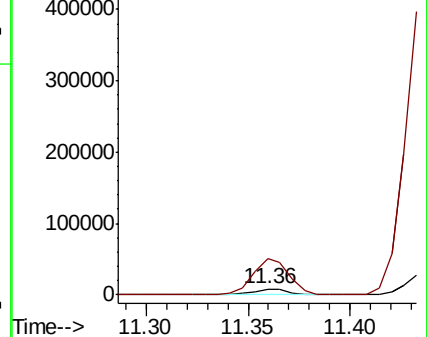
75 100

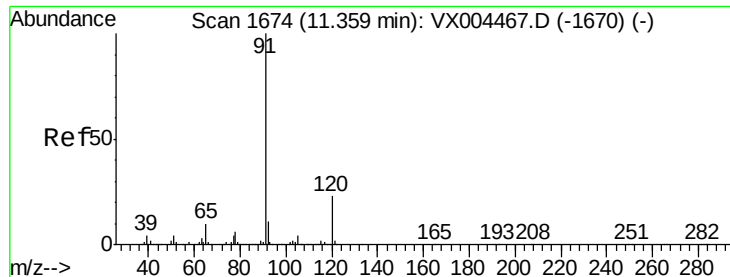
77 650.9 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 105.93 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

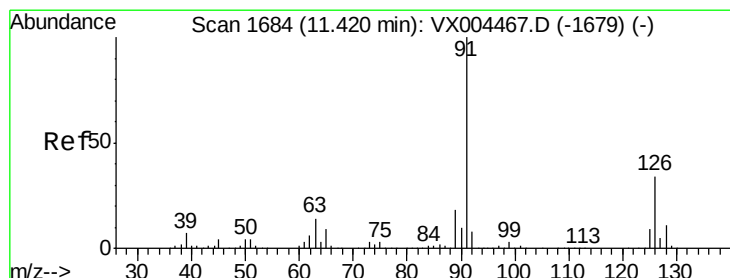
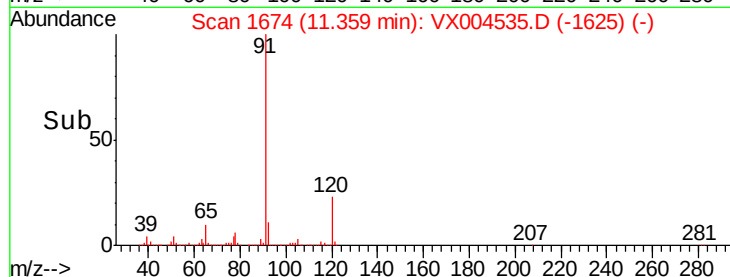
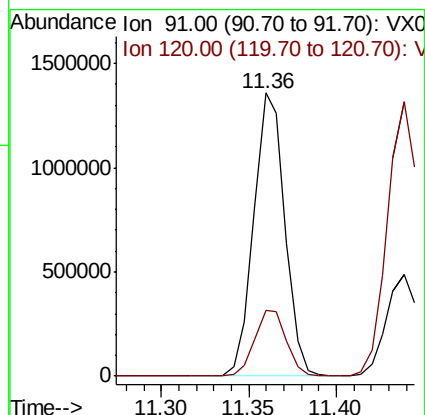
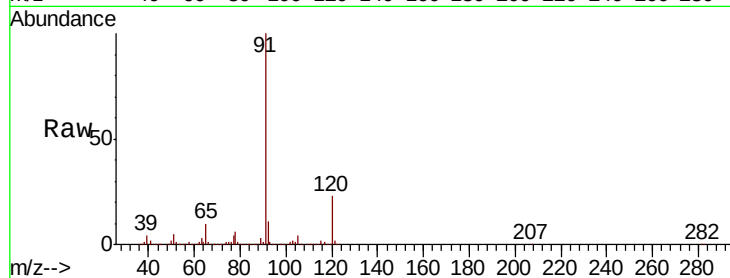
PR-MW-05-091218

Tot Ion: 91 Resp: 1676674

Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.9



#79

2-Chlorotoluene

Concen: 86.26 ug/l

RT: 11.44 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VX004535.D

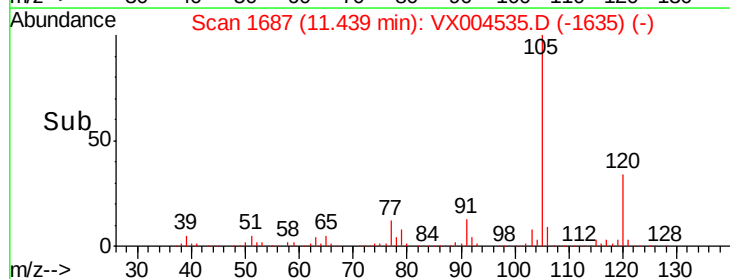
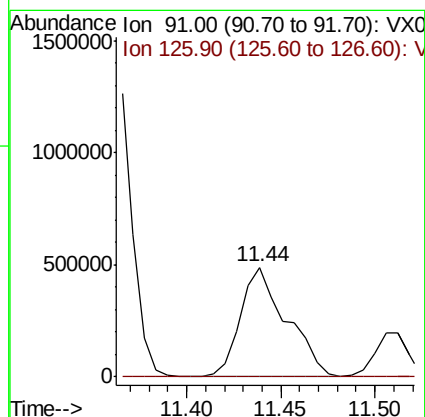
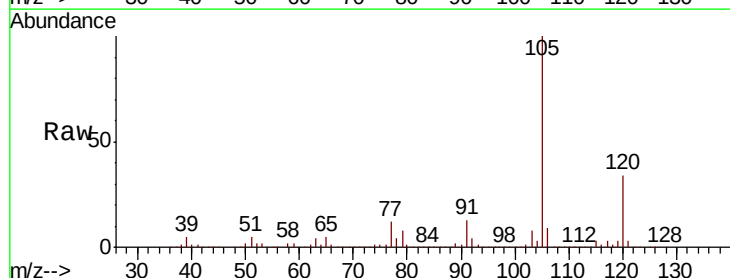
Acq: 14 Sep 2018 13:07

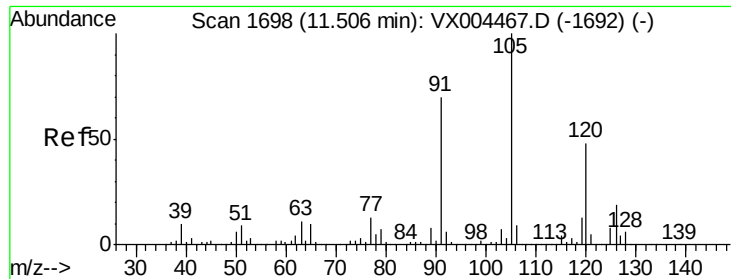
Tgt Ion: 91 Resp: 828106

Ion Ratio Lower Upper

91 100

126 0.1 17.9 53.7#

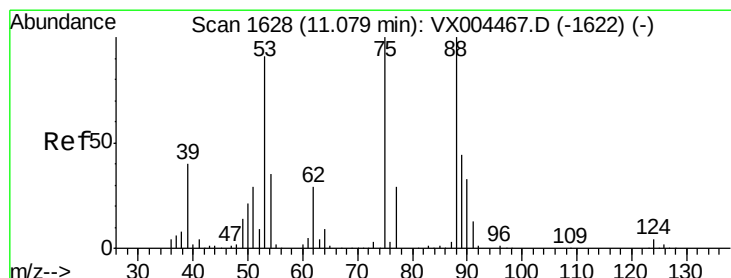
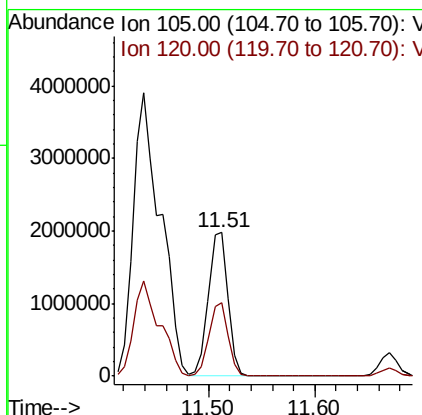
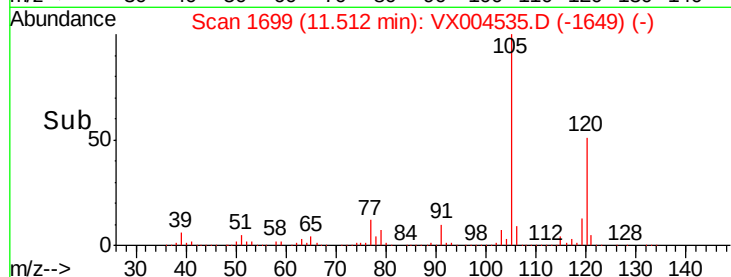
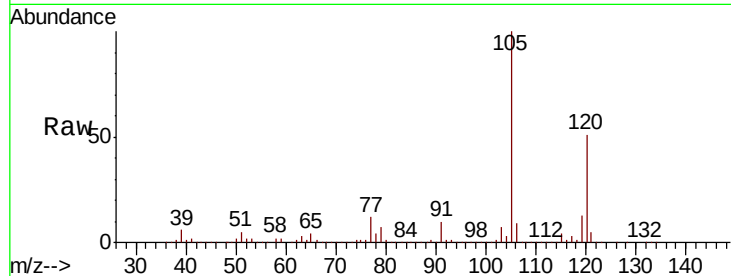




#80
 1,3,5-Trimethylbenzene
 Concen: 212.79 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX004535.D
 Acq: 14 Sep 2018 13:07

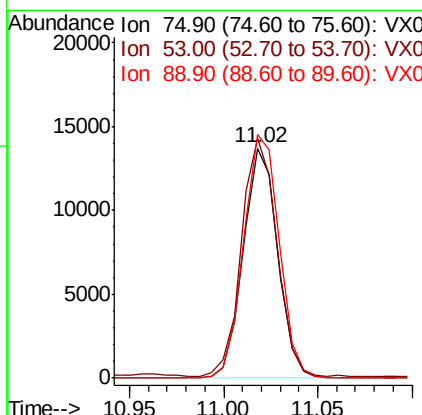
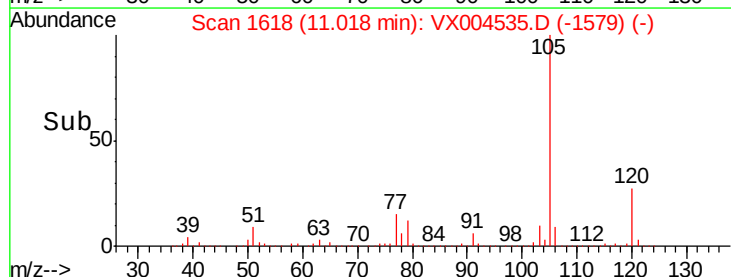
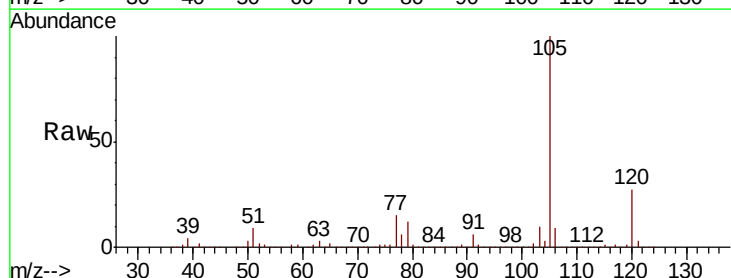
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-05-091218

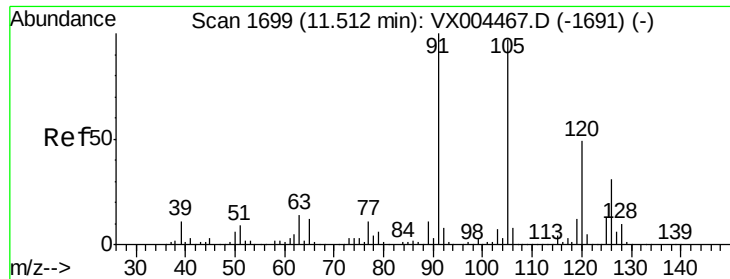
Tot Ion:105 Resp: 2462662
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 13.13 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.06 min
 Lab File: VX004535.D
 Acq: 14 Sep 2018 13:07

Tgt Ion: 75 Resp: 17320
 Ion Ratio Lower Upper
 75 100
 53 106.8 80.1 120.1
 89 109.7 37.2 55.8#





#82

4-Chlorotoluene

Concen: 21.87 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

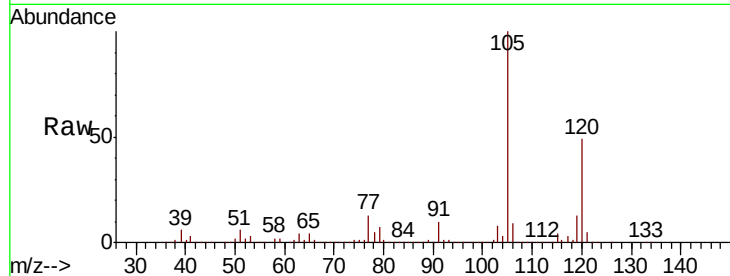
PR-MW-05-091218

Tot Ion: 91 Resp: 245054

Ion Ratio Lower Upper

91 100

126 0.1 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1691) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1691) (-)

500000

400000

300000

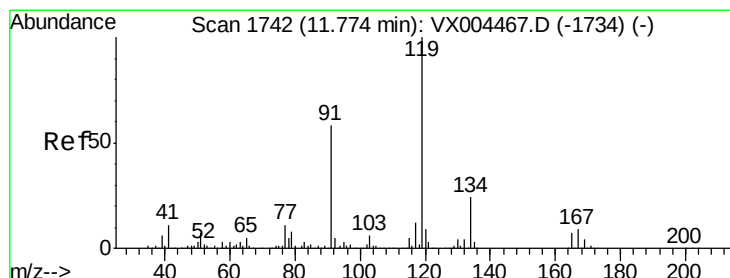
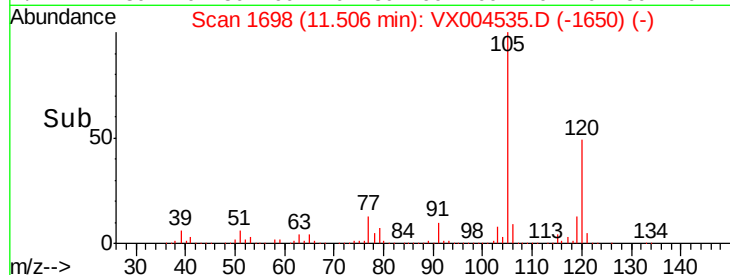
200000

100000

0

11.45 11.50 11.55 11.60

Time-->



#83

tert-Butylbenzene

Concen: 111.65 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.04 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

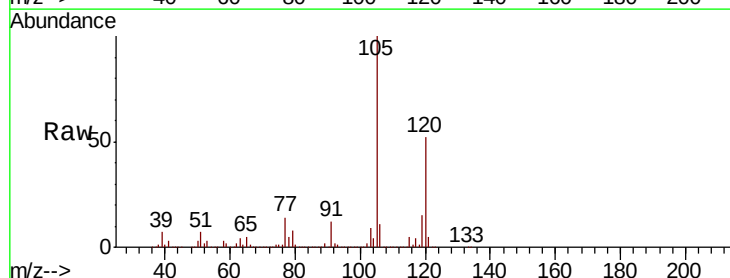
Tgt Ion: 119 Resp: 1230152

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): VX004467.D (-1734) (-)

Ion 91.00 (90.70 to 91.70): VX004467.D (-1734) (-)

Ion 134.00 (133.70 to 134.70): VX004467.D (-1734) (-)

1200000

1000000

800000

600000

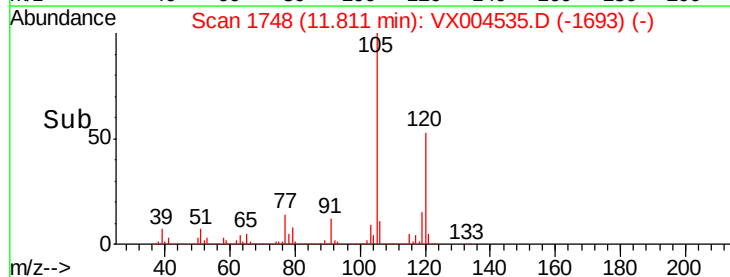
400000

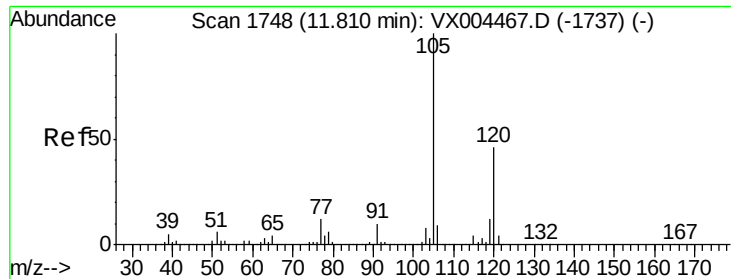
200000

0

11.70 11.80 11.90

Time-->

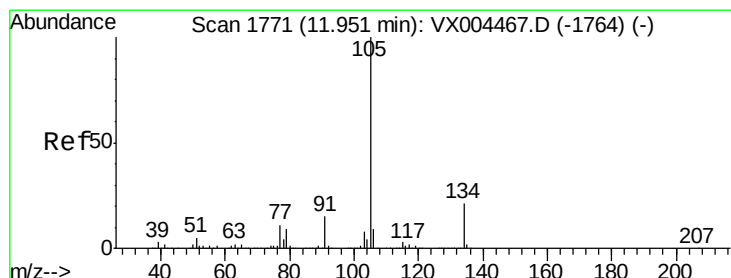
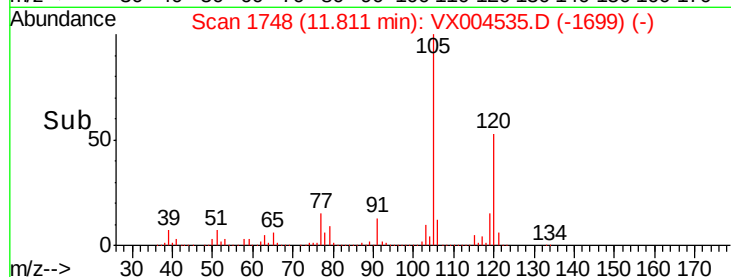
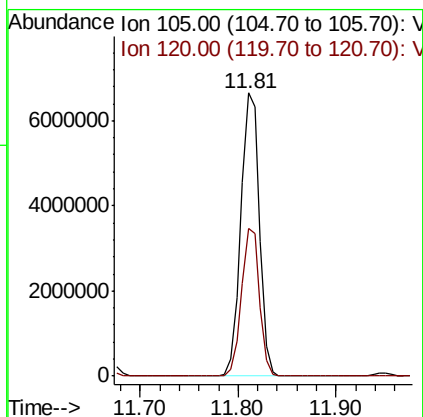
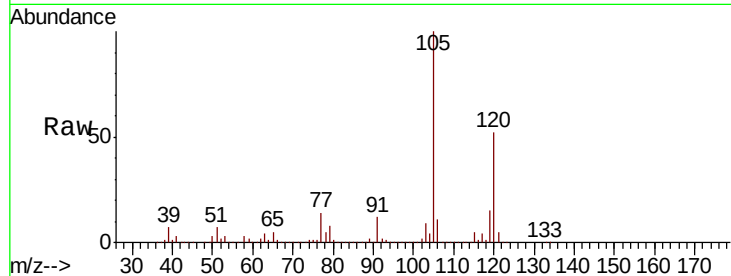




#84
 1,2,4-Trimethylbenzene
 Concen: 737.47 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004535.D
 Acq: 14 Sep 2018 13:07

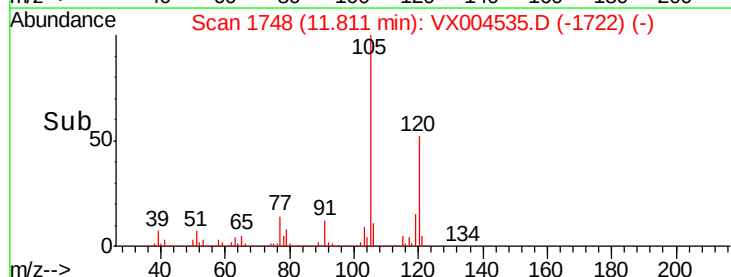
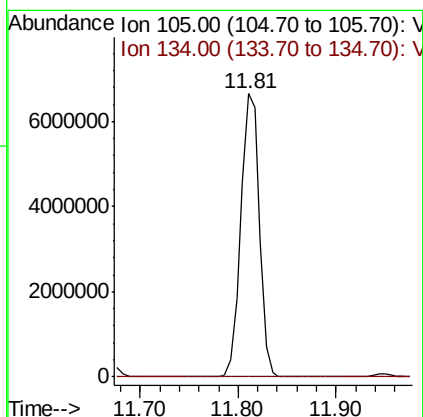
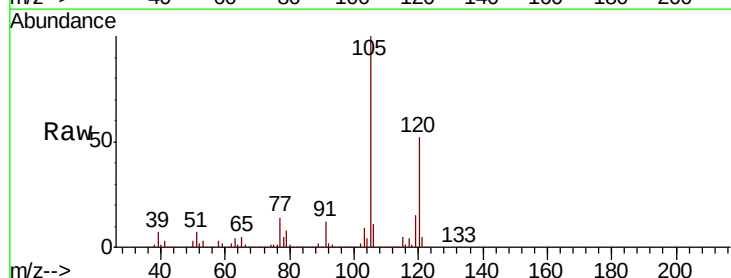
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-05-091218

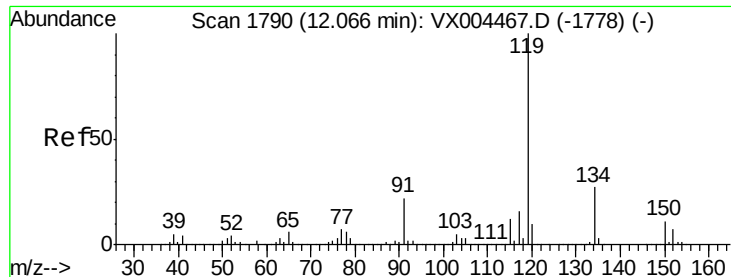
Tot Ion:105 Resp: 8713913
 Ion Ratio Lower Upper
 105 100
 120 50.5 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 620.63 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.14 min
 Lab File: VX004535.D
 Acq: 14 Sep 2018 13:07

Tgt Ion:105 Resp: 8713913
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#

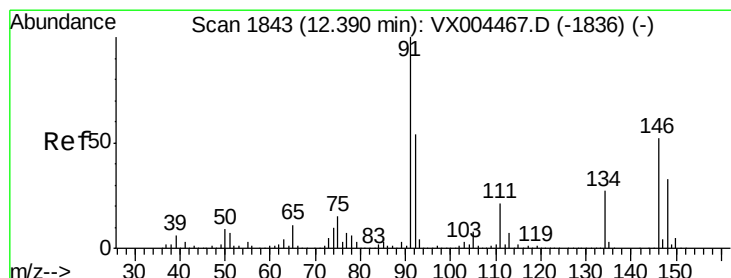
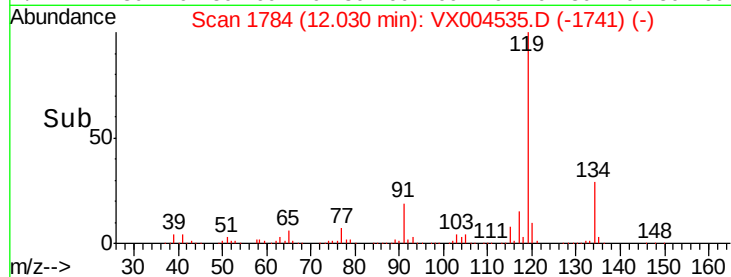
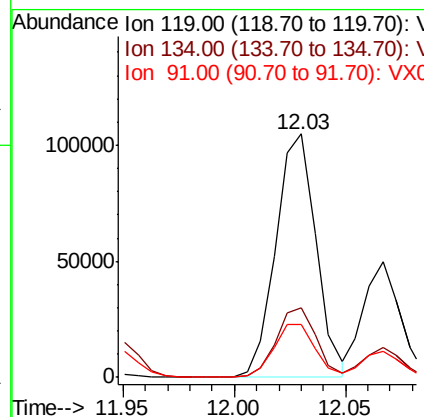
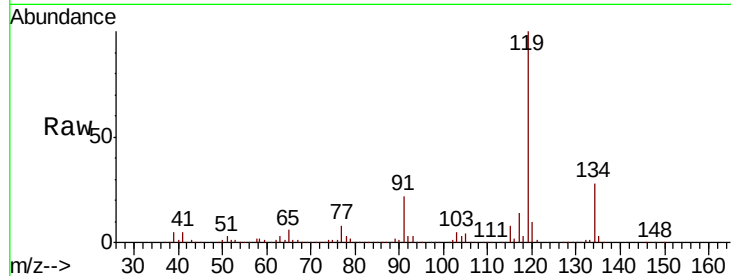




#86
p-Isopropyltoluene
Concen: 10.57 ug/l
RT: 12.03 min Scan# 1784
Delta R.T. -0.04 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

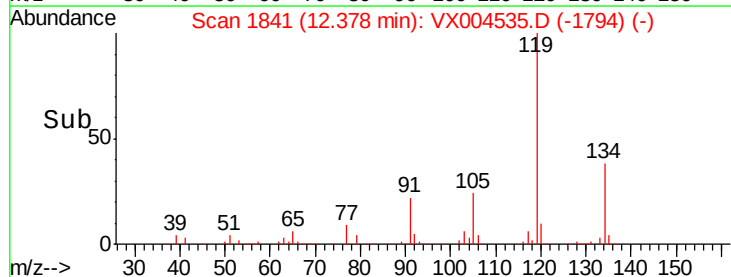
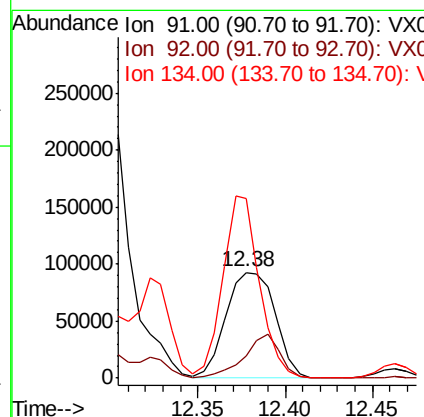
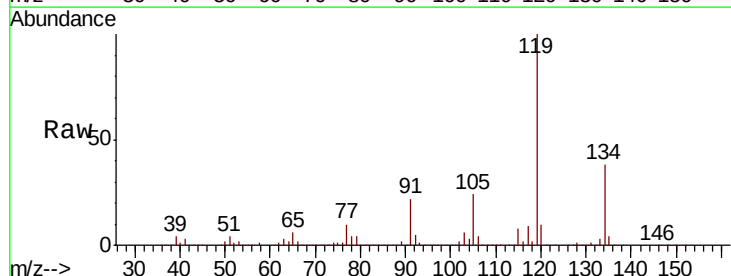
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

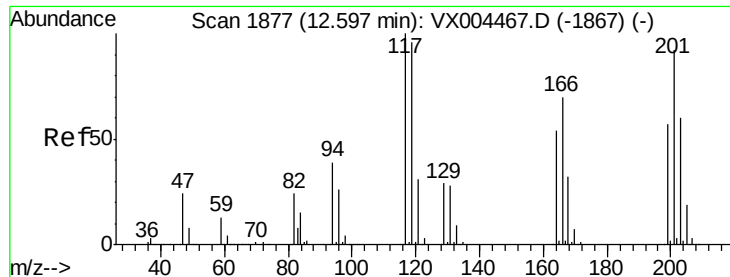
Tot Ion:119 Resp: 130998
Ion Ratio Lower Upper
119 100
134 28.4 13.4 40.2
91 22.3 10.9 32.7



#89
n-Butylbenzene
Concen: 15.89 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Tgt Ion: 91 Resp: 179507
Ion Ratio Lower Upper
91 100
92 30.2 27.3 81.9
134 128.7 13.6 40.7#





#90

Hexachloroethane

Concen: 27.87 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

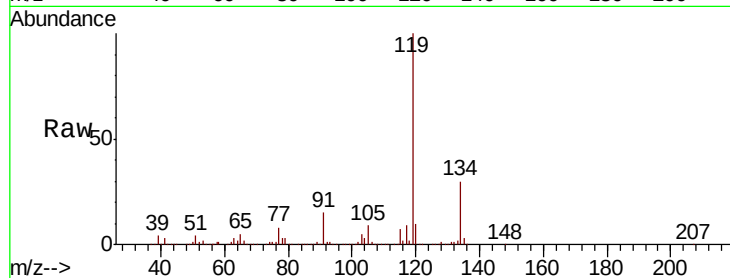
PR-MW-05-091218

Tot Ion:117 Resp: 55312

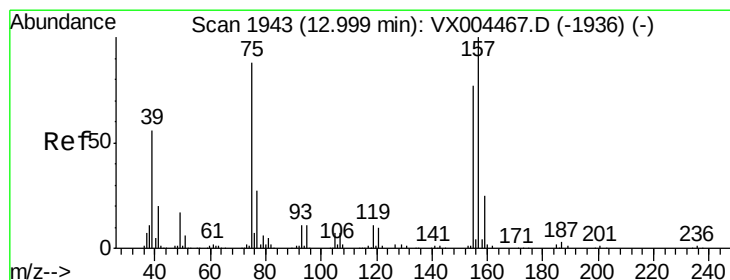
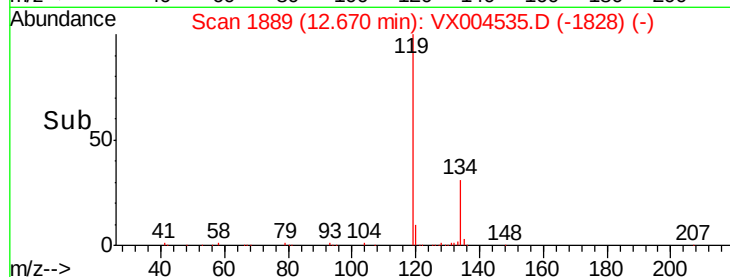
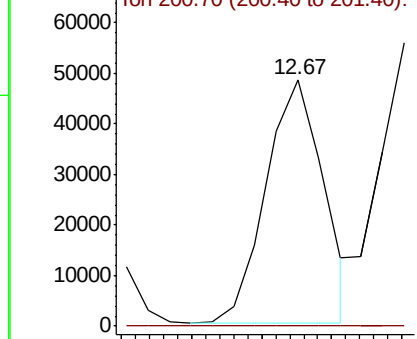
Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.44 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX004535.D

Acq: 14 Sep 2018 13:07

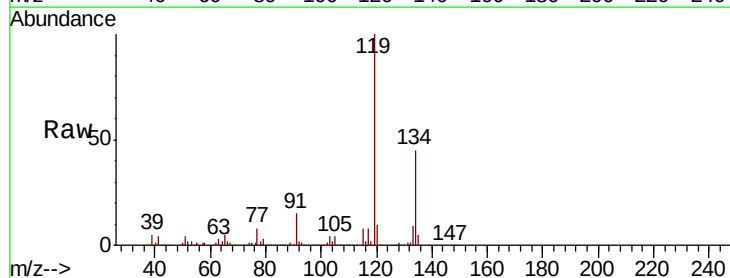
Tgt Ion: 75 Resp: 4209

Ion Ratio Lower Upper

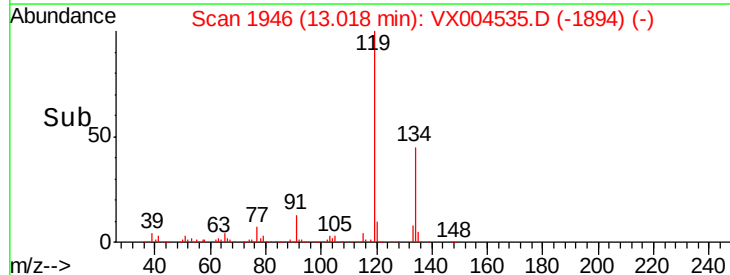
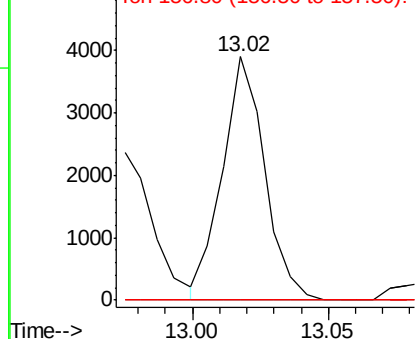
75 100

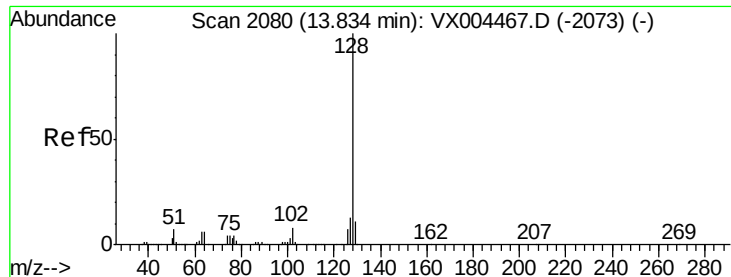
155 0.0 48.0 144.2#

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





#95
Naphthalene
Concen: 242.89 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004535.D
Acq: 14 Sep 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-091218

Tot Ion:128 Resp: 3466177
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.2 8.6 12.8

