

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004539.D
 Acq On : 14 Sep 2018 14:54
 Operator : JC/MD
 Sample : J4892-08DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 15 04:40:45 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	263286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	171523	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
35) Dibromofluoromethane	5.49	113	155256	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
50) Toluene-d8	8.72	98	526897	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
62) 4-Bromofluorobenzene	11.14	95	195333	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	435	Below Cal	#	47
6) Chloroethane	1.62	64	1038	0.46	ug/l	44
10) Methyl Iodide	2.51	142	683	4.43	ug/l	88
11) Tert butyl alcohol	3.03	59	941	1.16	ug/l	72
16) Acetone	2.45	43	3731	2.25	ug/l	83
17) Carbon Disulfide	2.57	76	1943	0.24	ug/l	96
20) Methylene Chloride	2.86	84	1350	0.40	ug/l	85
29) Tetrahydrofuran	5.16	42	517	0.33	ug/l	41
31) Cyclohexane	5.58	56	2569	0.52	ug/l	86
36) 1,1-Dichloropropene	5.65	75	16816	3.72	ug/l	49
38) Carbon Tetrachloride	5.66	117	22414	5.07	ug/l	15
39) Methylcyclohexane	7.46	83	3554	0.75	ug/l	90
52) Toluene	8.79	92	69929	8.85	ug/l	98
53) t-1,3-Dichloropropene	8.79	75	905	0.20	ug/l	1
58) 2-Chloroethyl Vinyl ether	8.21	63	67	7.30	ug/l	45
67) Ethyl Benzene	10.26	91	519404	37.34	ug/l	99
68) m/p-Xylenes	10.36	106	413701	77.21	ug/l	97
69) o-Xylene	10.70	106	199380	38.71	ug/l	98
70) Styrene	10.70	104	10758	1.26	ug/l	1
73) Isopropylbenzene	11.02	105	45130	3.37	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	90781	22.18	ug/l	37
78) n-propylbenzene	11.36	91	62501	4.06	ug/l	98
79) 2-Chlorotoluene	11.46	91	27633	2.96	ug/l	39
80) 1,3,5-Trimethylbenzene	11.51	105	184219	16.36	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	90781	70.70	ug/l	10
82) 4-Chlorotoluene	11.51	91	18479	1.69	ug/l	45
83) tert-Butylbenzene	11.81	119	72695	6.78	ug/l	62
84) 1,2,4-Trimethylbenzene	11.81	105	564241	49.07	ug/l	100
85) sec-Butylbenzene	11.81	105	564241	41.29	ug/l	55
86) p-Isopropyltoluene	12.07	119	7199	0.60	ug/l	92
89) n-Butylbenzene	12.38	91	16729	1.52	ug/l	5
90) Hexachloroethane	12.58	117	4154	2.15	ug/l	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	484	0.52	ug/l	1
95) Naphthalene	13.83	128	270422	19.47	ug/l	99

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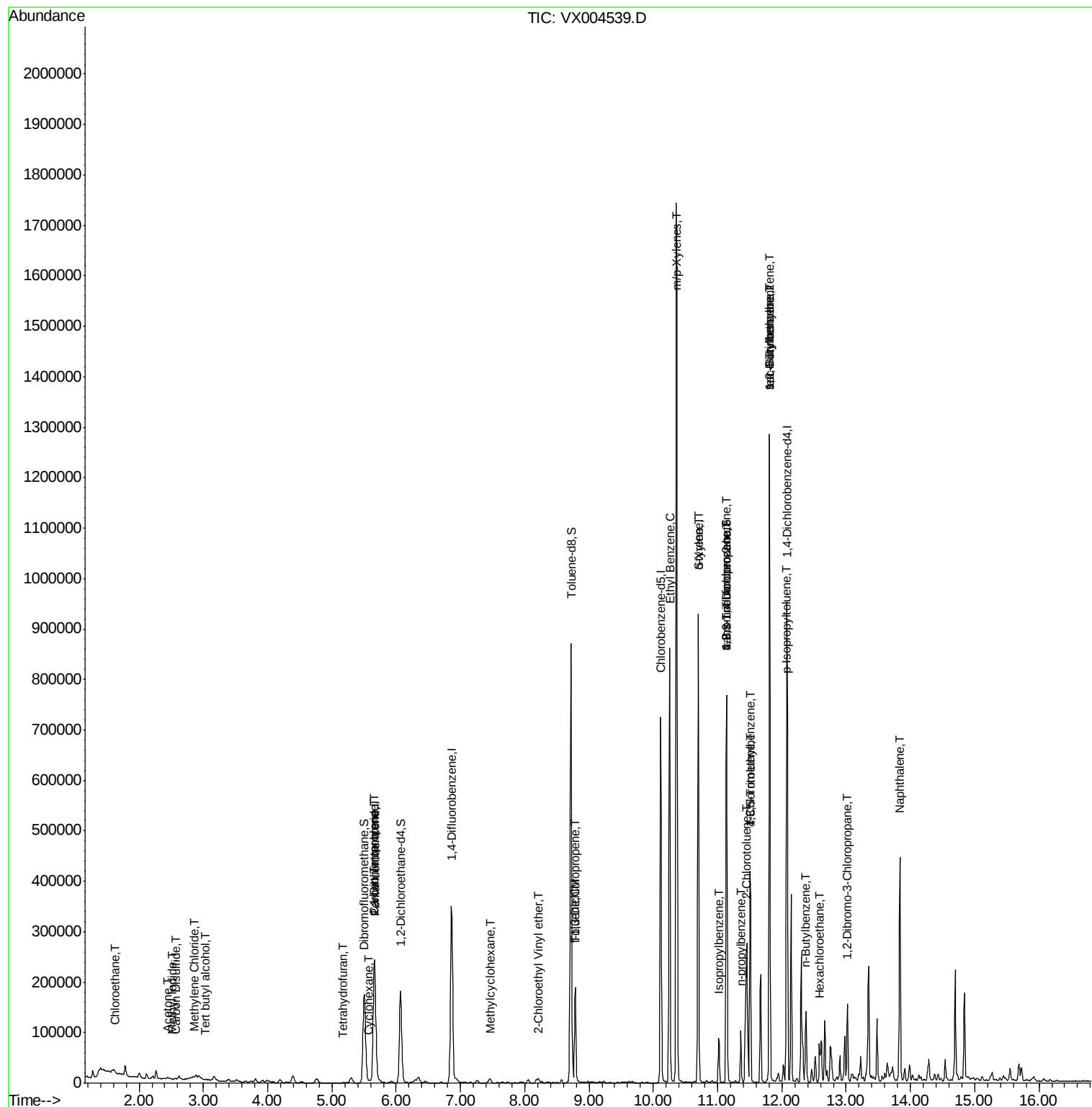
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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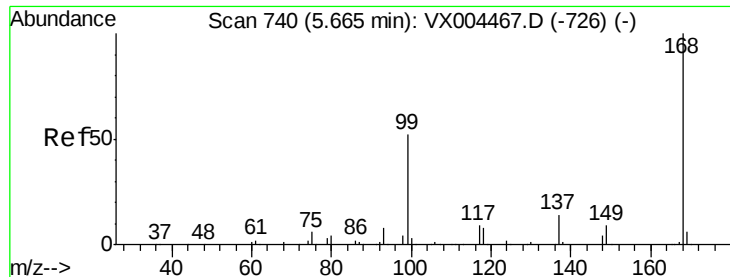
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

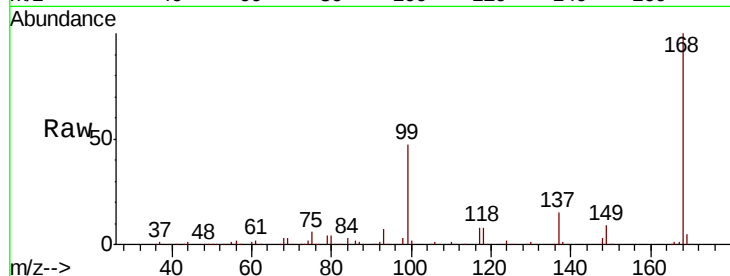
PR-MW-01-091218DL

Tot Ion:168 Resp: 263286

Ion Ratio Lower Upper

168 100

99 46.6 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

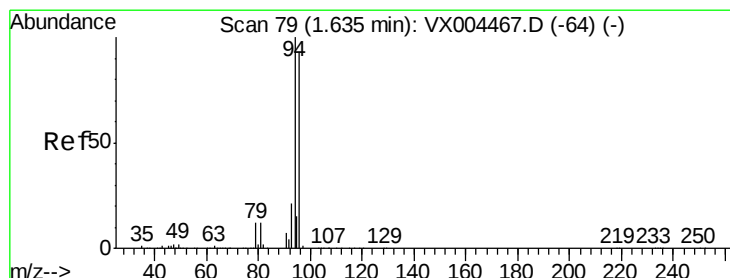
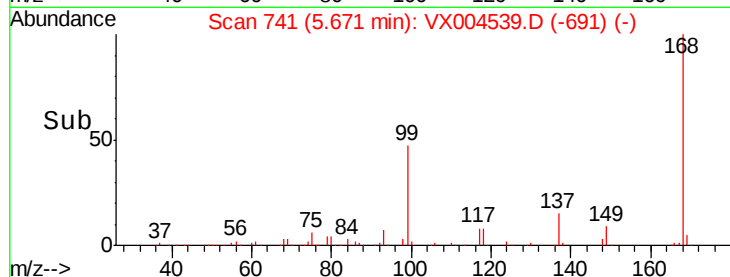
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004539.D

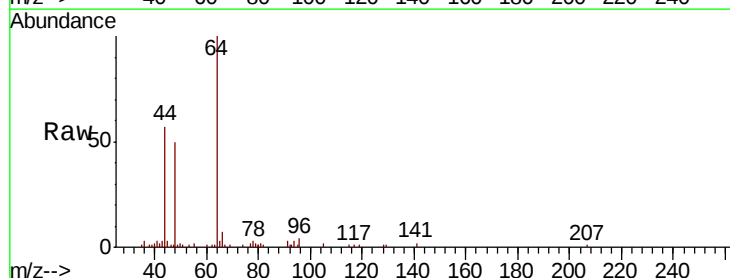
Acq: 14 Sep 2018 14:54

Tgt Ion: 94 Resp: 435

Ion Ratio Lower Upper

94 100

96 144.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

150

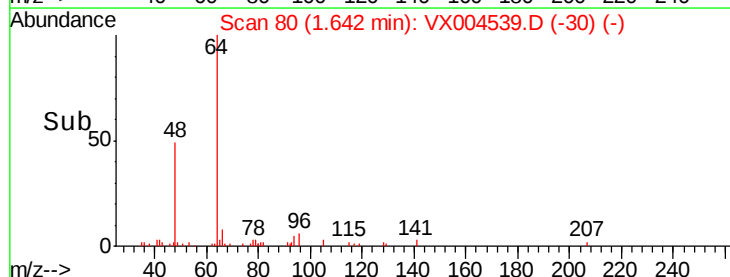
100

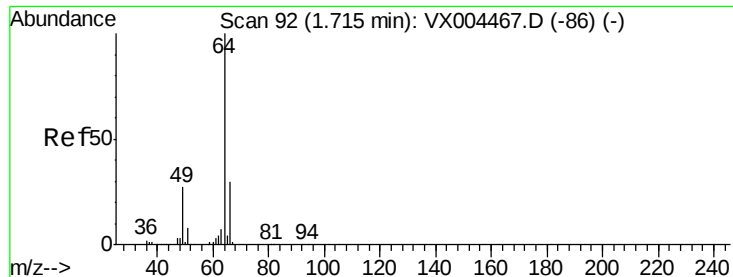
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.46 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

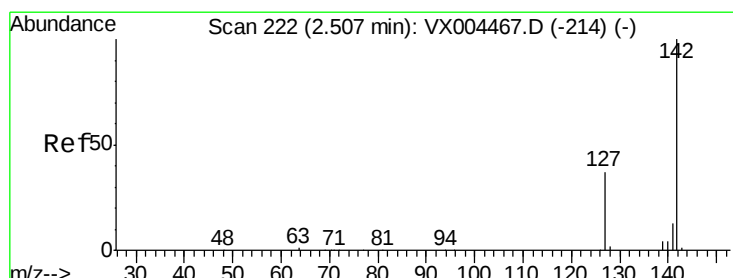
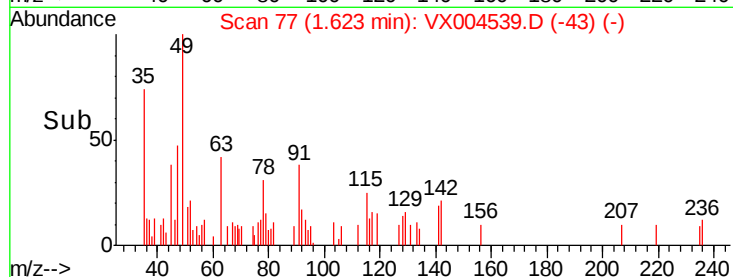
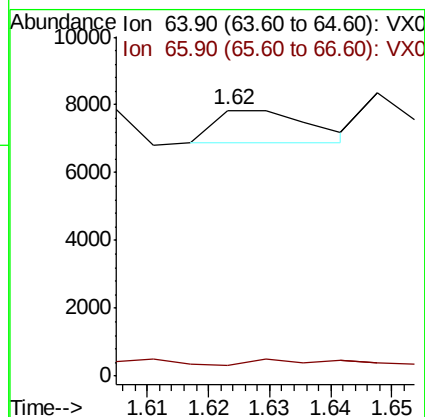
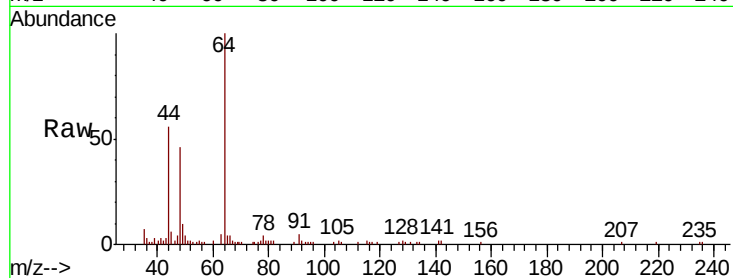
PR-MW-01-091218DL

Tot Ion: 64 Resp: 1038

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 4.43 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

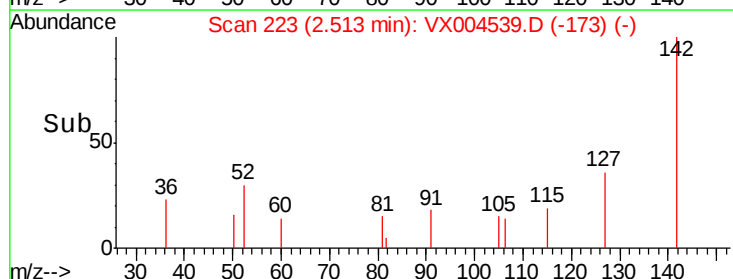
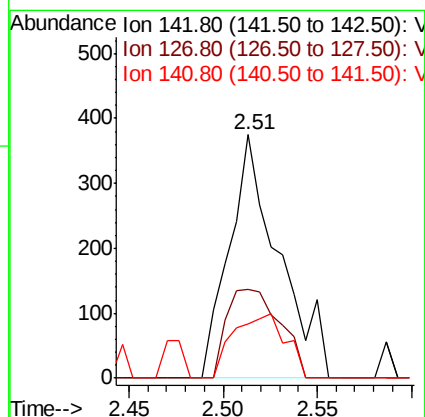
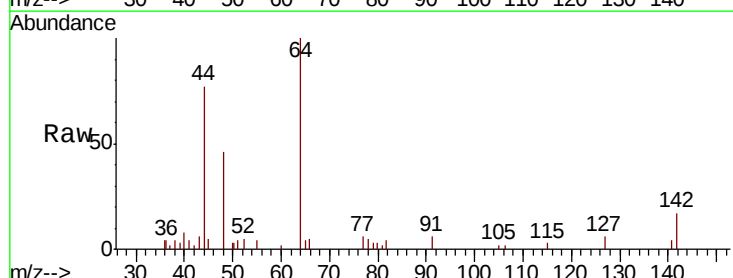
Tgt Ion: 142 Resp: 683

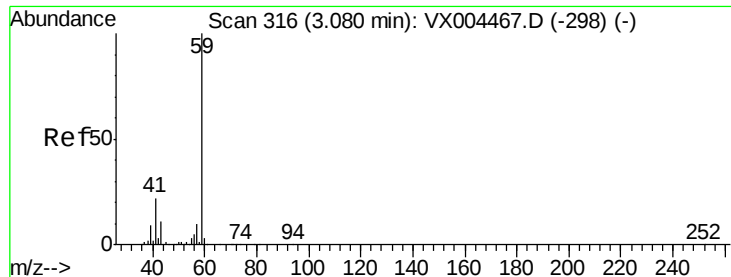
Ion Ratio Lower Upper

142 100

127 39.2 33.8 50.6

141 28.0 11.4 17.0#



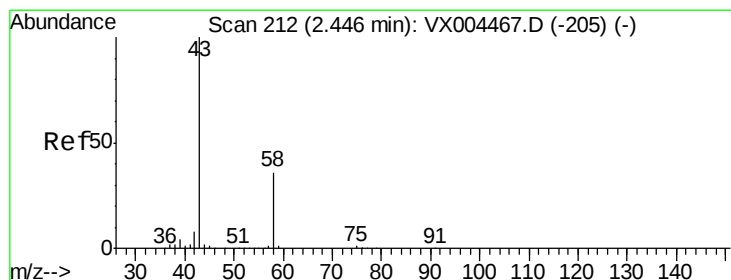
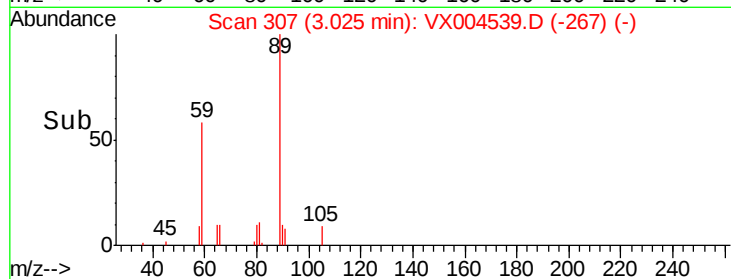
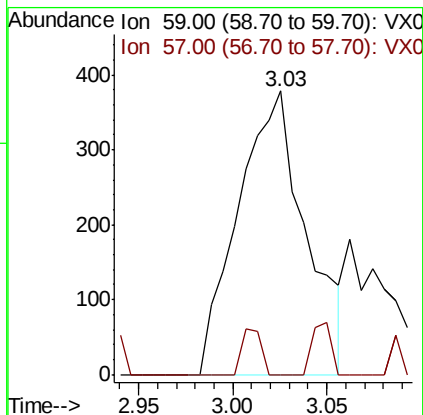
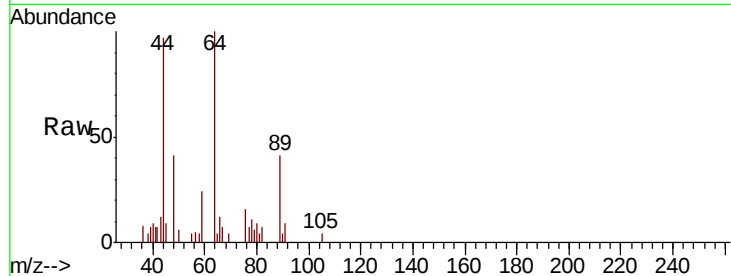


#11

Tert butyl alcohol
 Concen: 1.16 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

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

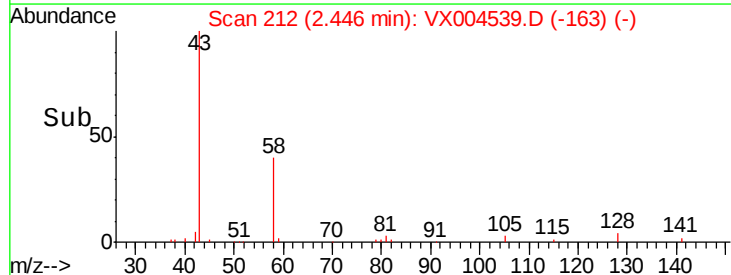
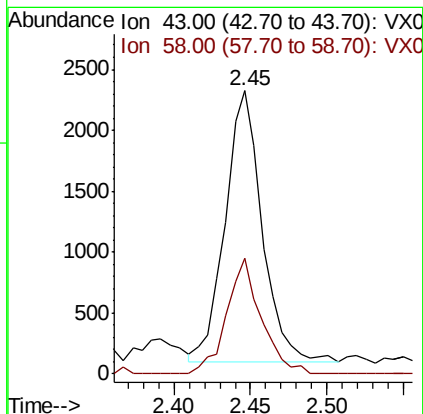
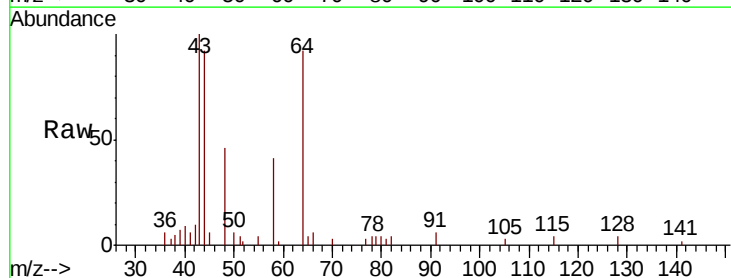
Tot Ion: 59 Resp: 941
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

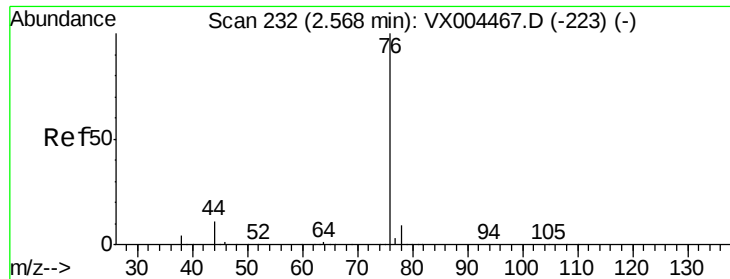


#16

Acetone
 Concen: 2.25 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

Tgt Ion: 43 Resp: 3731
 Ion Ratio Lower Upper
 43 100
 58 42.5 26.2 39.4#





#17

Carbon Disulfide

Concen: 0.24 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

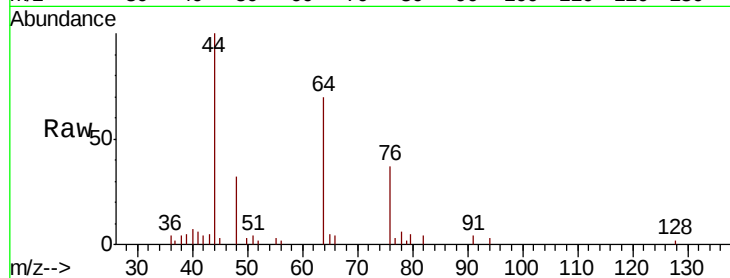
PR-MW-01-091218DL

Tot Ion: 76 Resp: 1943

Ion Ratio Lower Upper

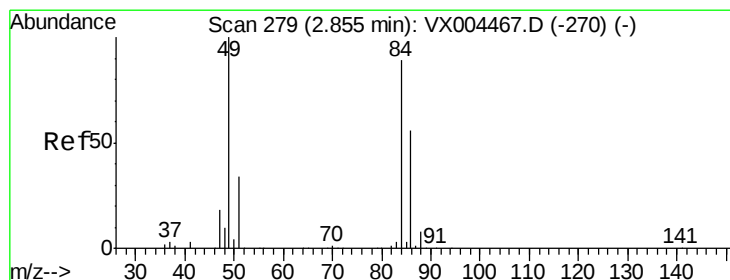
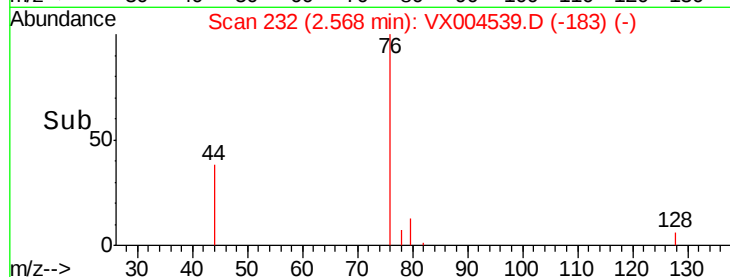
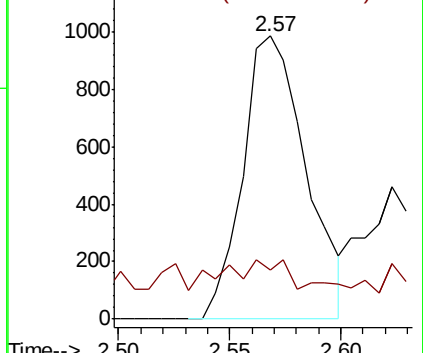
76 100

78 7.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.40 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Tgt Ion: 84 Resp: 1350

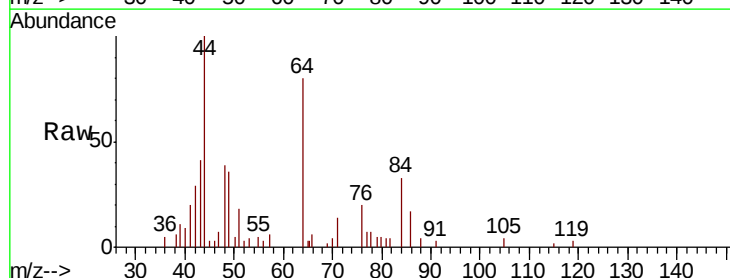
Ion Ratio Lower Upper

84 100

49 108.5 101.2 151.8

51 42.7 29.5 44.3

86 51.5 52.3 78.5#

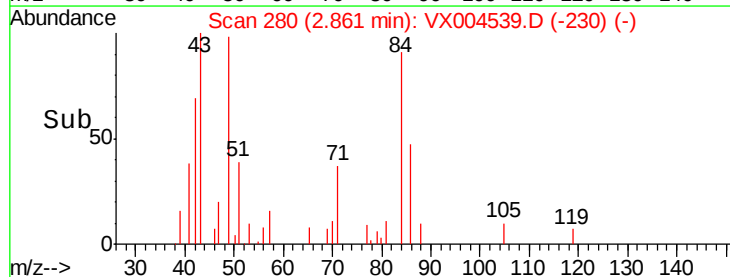
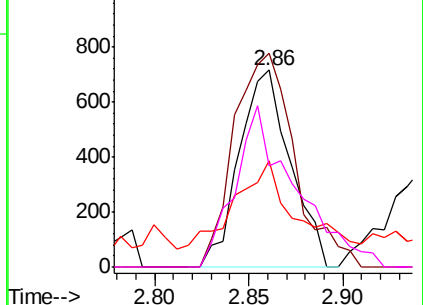


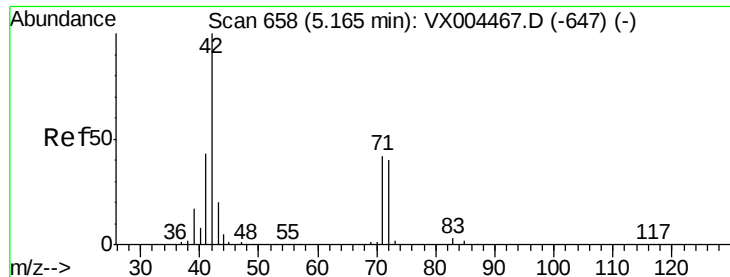
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 0.33 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218DL

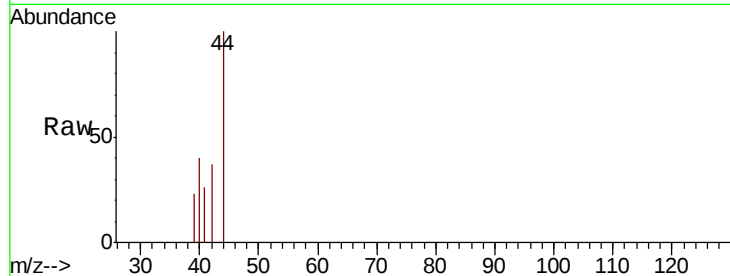
Tot Ion: 42 Resp: 517

Ion Ratio Lower Upper

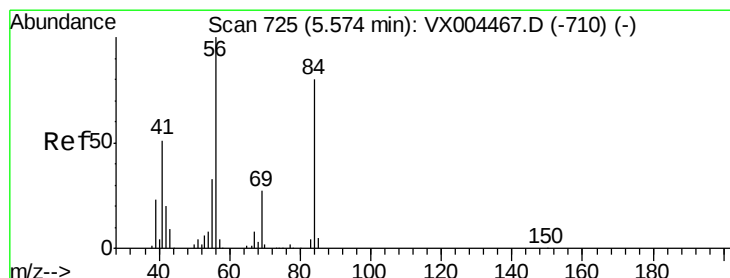
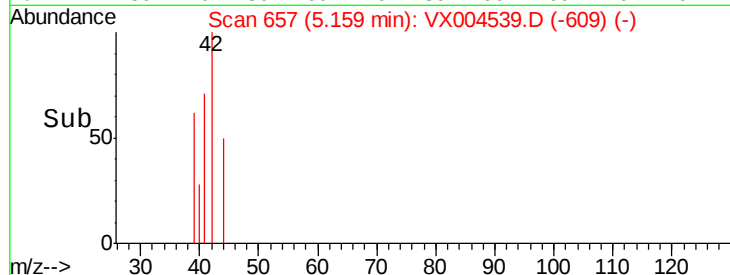
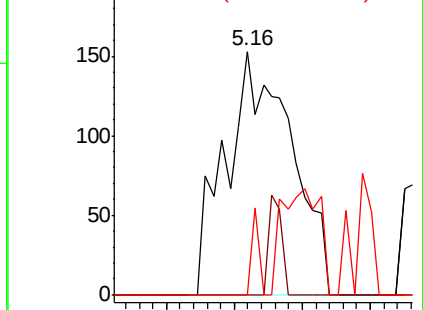
42 100

72 8.3 37.4 56.0#

71 3.9 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



#31

Cyclohexane

Concen: 0.52 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

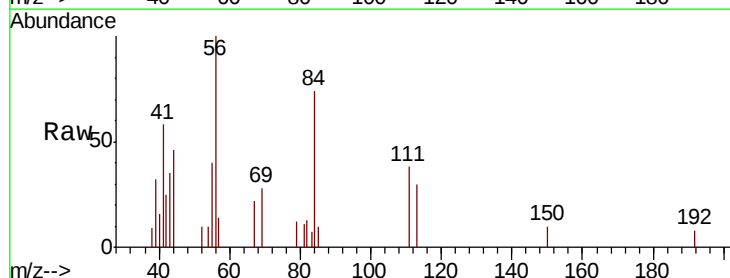
Tgt Ion: 56 Resp: 2569

Ion Ratio Lower Upper

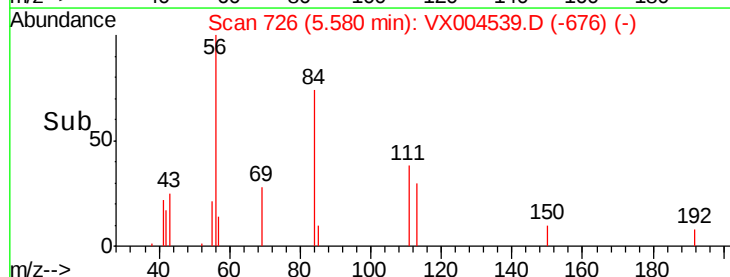
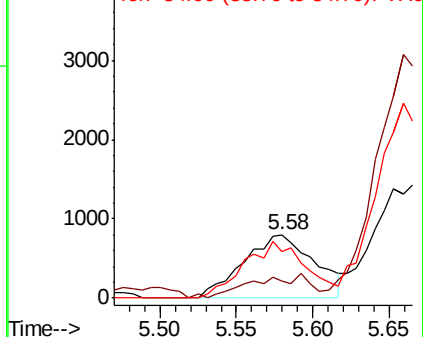
56 100

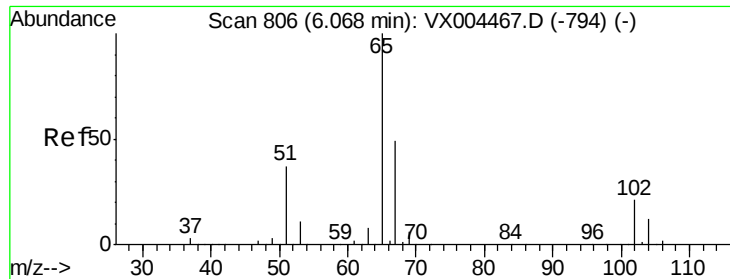
69 27.9 25.4 38.2

84 73.8 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.52 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

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ClientSampleId :

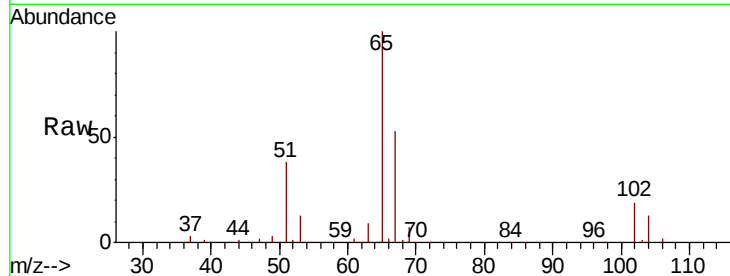
PR-MW-01-091218DL

Tot Ion: 65 Resp: 171523

Ion Ratio Lower Upper

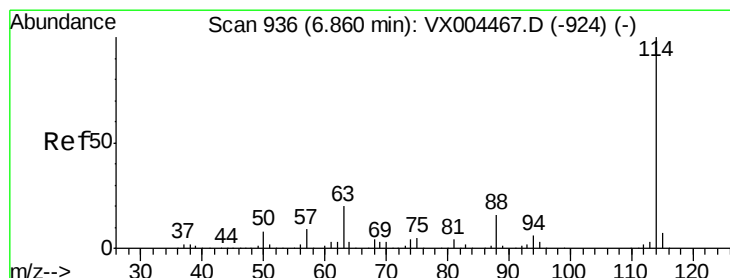
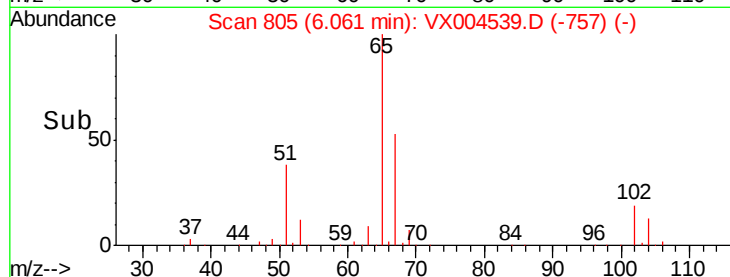
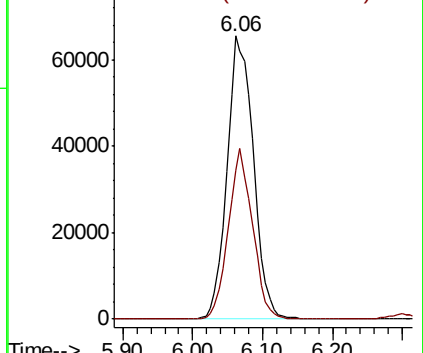
65 100

67 55.2 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: VX004539.D

Acq: 14 Sep 2018 14:54

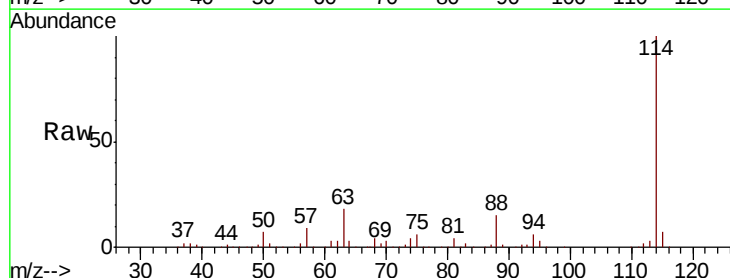
Tgt Ion: 114 Resp: 372523

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.0

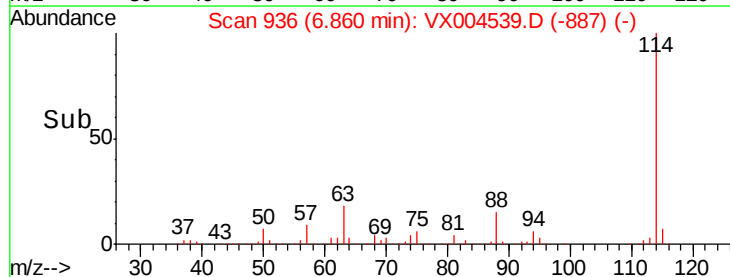
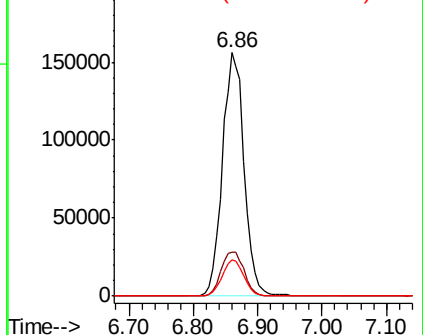
88 14.8 0.0 30.4

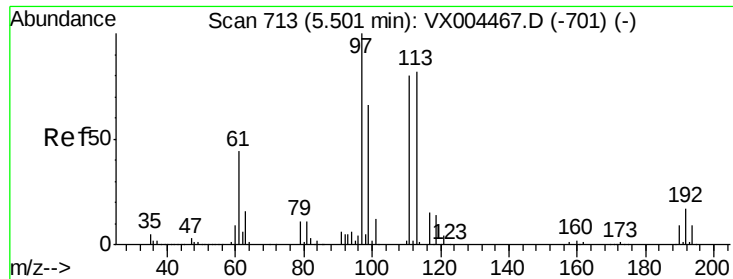


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

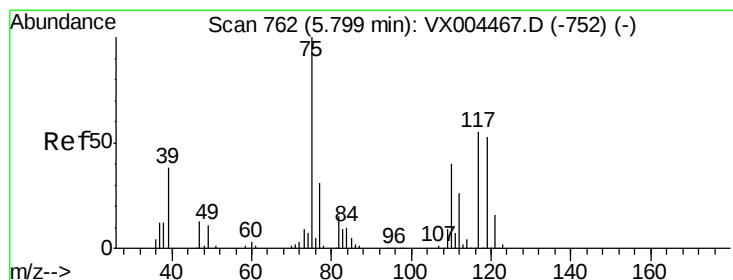
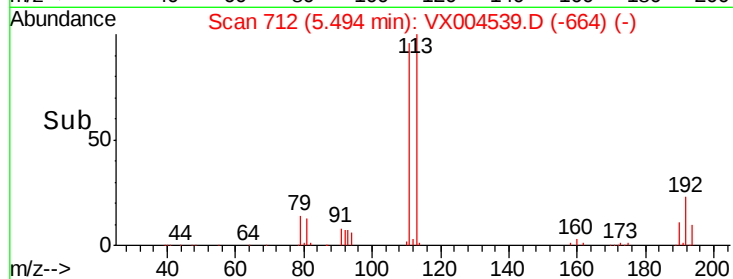
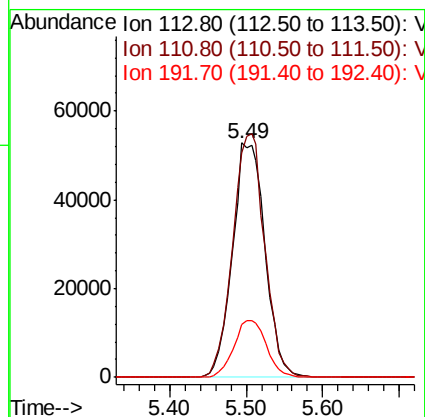
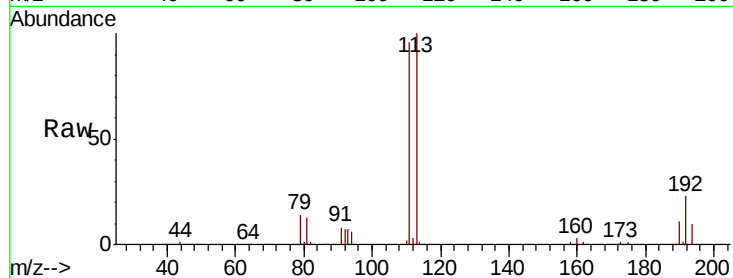




#35
 Dibromofluoromethane
 Concen: 45.54 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

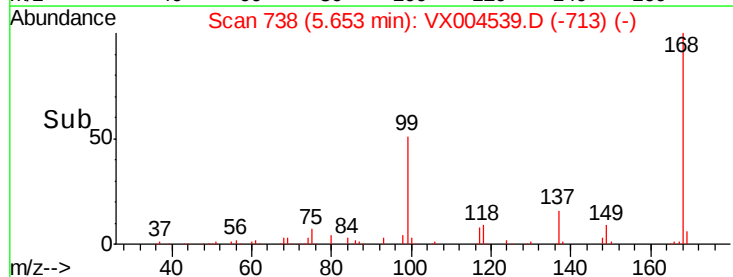
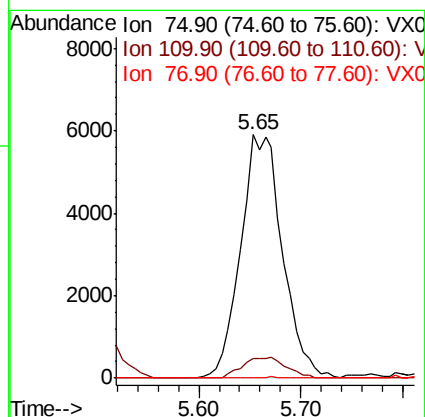
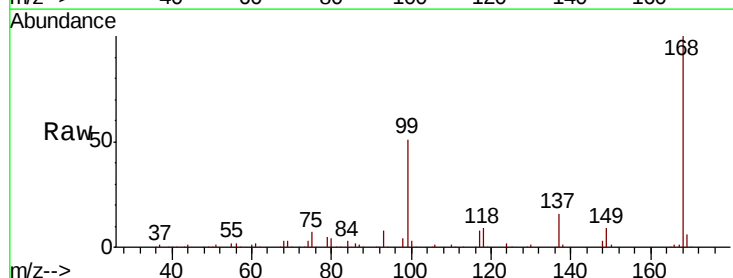
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218DL

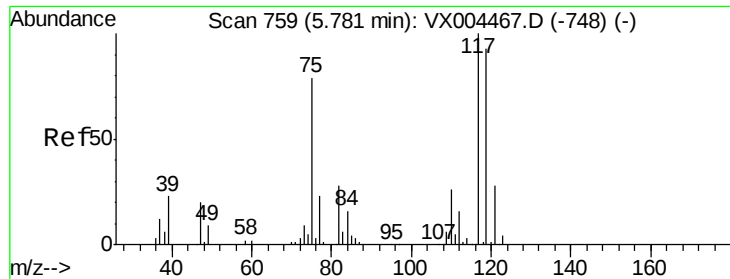
Tot Ion:113 Resp: 155256
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 24.2 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.72 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

Tgt Ion: 75 Resp: 16816
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.0 54.0#
 77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.07 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218DL

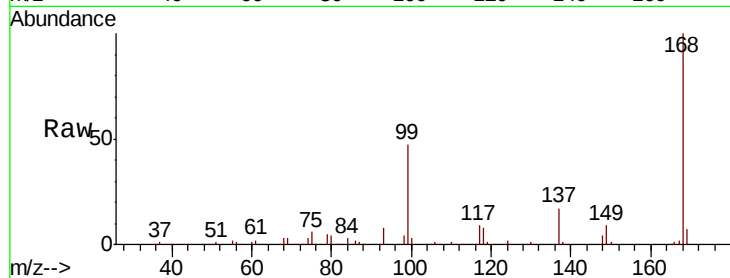
Tot Ion:117 Resp: 22414

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

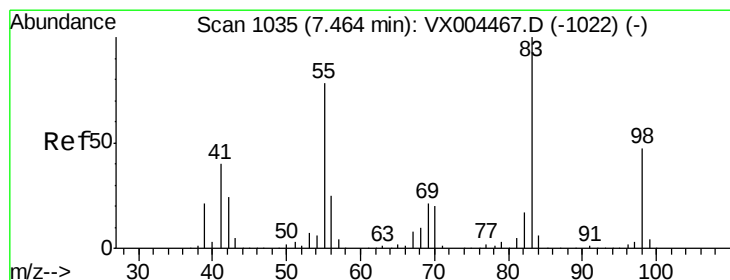
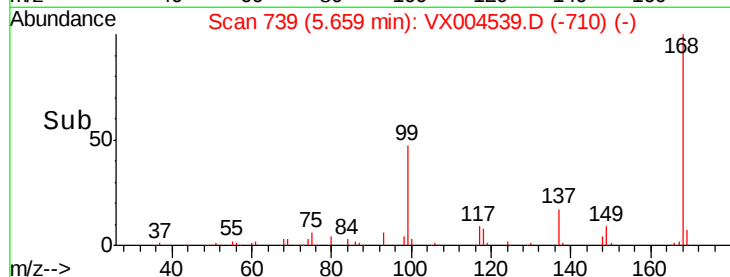
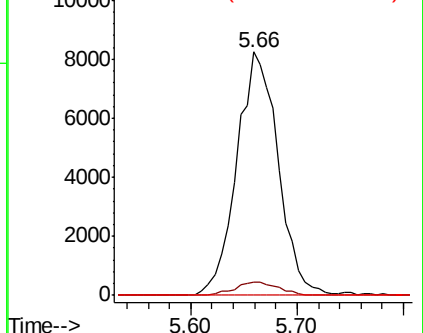
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.75 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

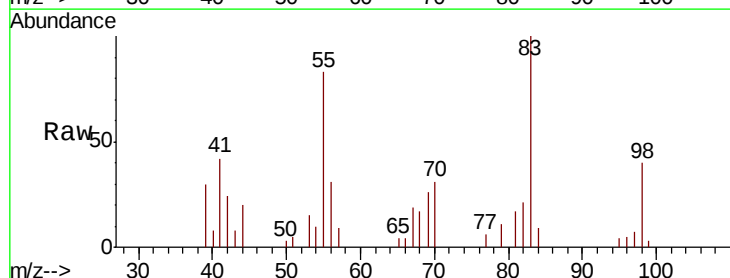
Tgt Ion: 83 Resp: 3554

Ion Ratio Lower Upper

83 100

55 83.0 61.0 91.4

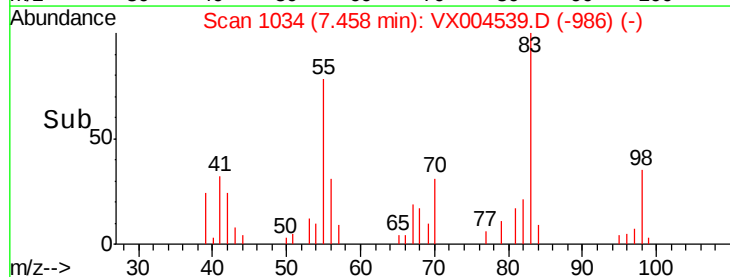
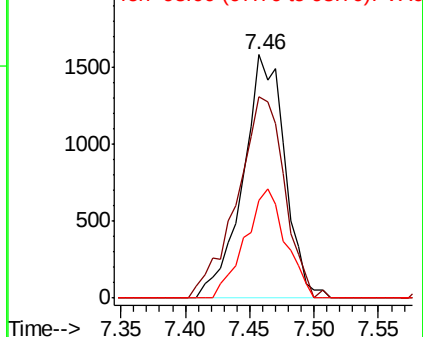
98 40.2 39.6 59.4

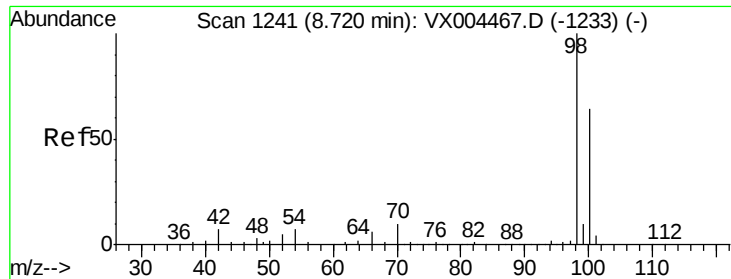


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

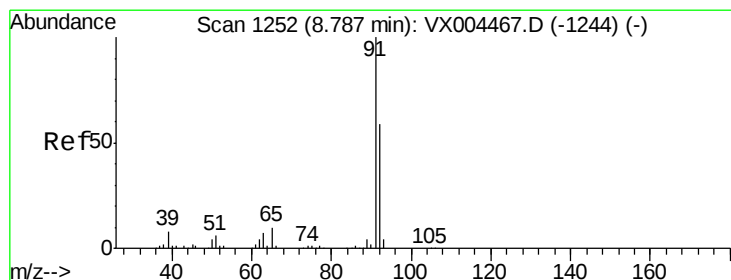
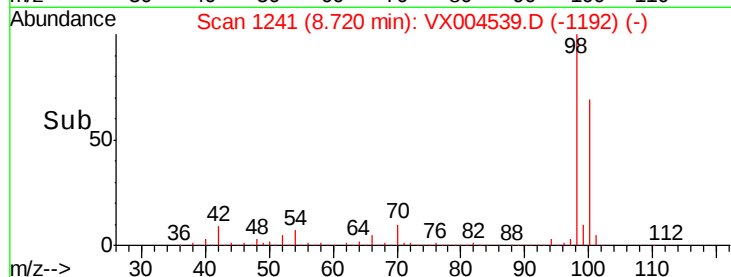
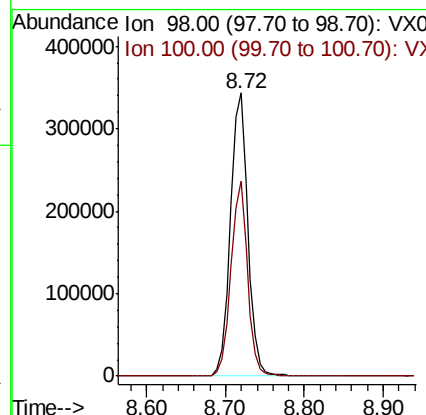
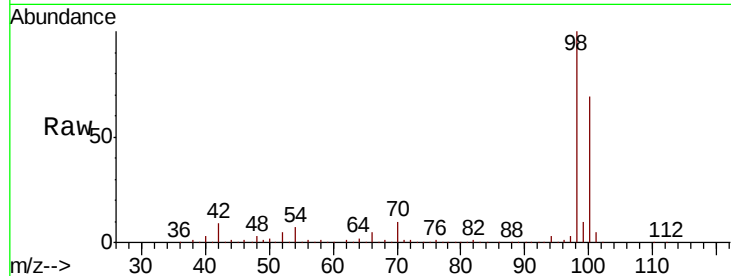




#50
Toluene-d8
Concen: 46.09 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

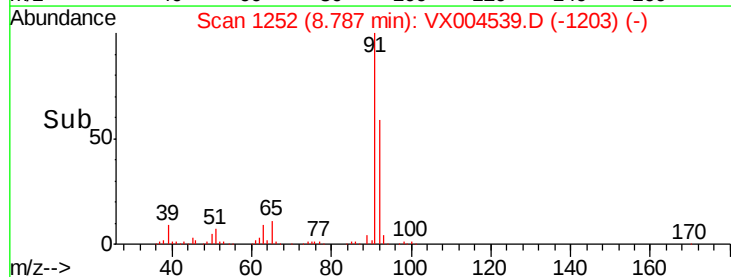
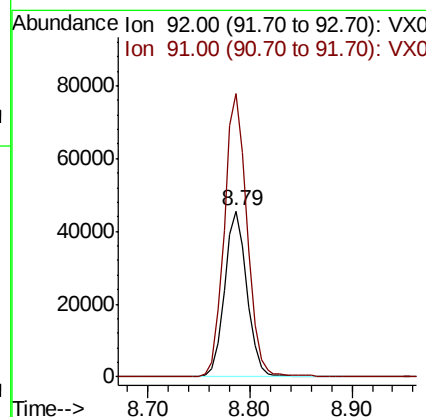
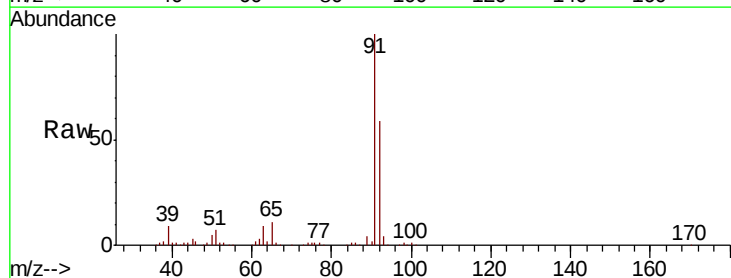
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

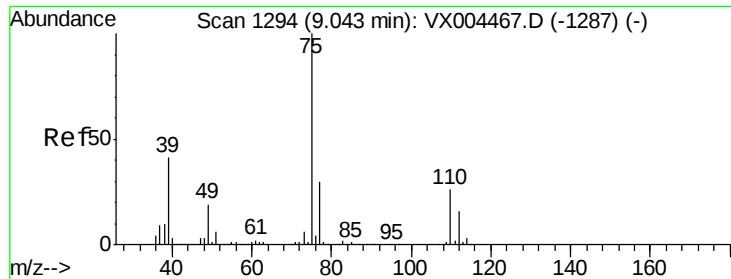
Tot Ion: 98 Resp: 526897
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3



#52
Toluene
Concen: 8.85 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Tgt Ion: 92 Resp: 69929
Ion Ratio Lower Upper
92 100
91 173.5 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 0.20 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.26 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

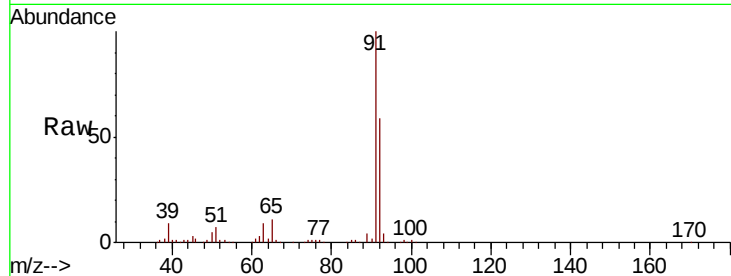
PR-MW-01-091218DL

Tot Ion: 75 Resp: 905

Ion Ratio Lower Upper

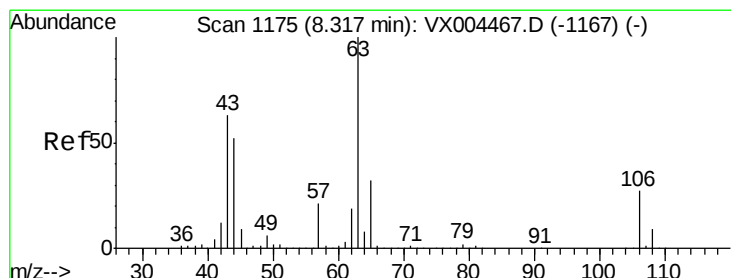
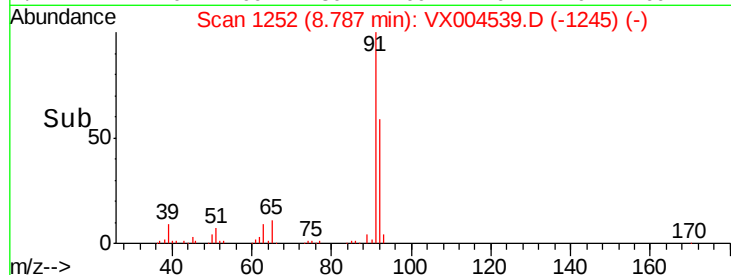
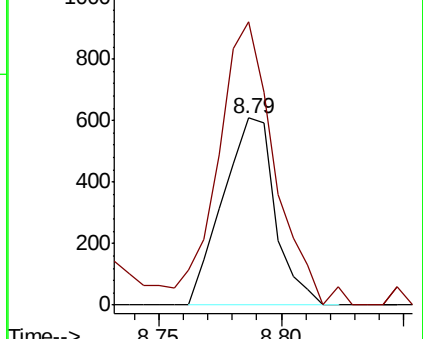
75 100

77 141.8 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 7.30 ug/l

RT: 8.21 min Scan# 1157

Delta R.T. -0.11 min

Lab File: VX004539.D

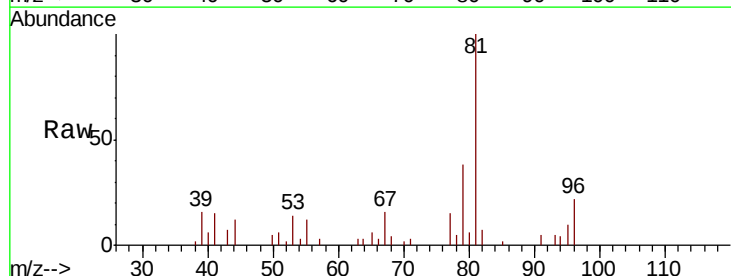
Acq: 14 Sep 2018 14:54

Tgt Ion: 63 Resp: 67

Ion Ratio Lower Upper

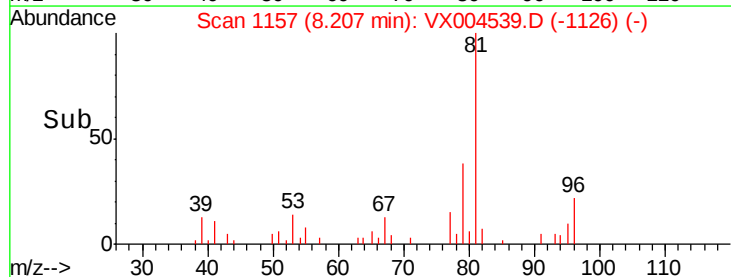
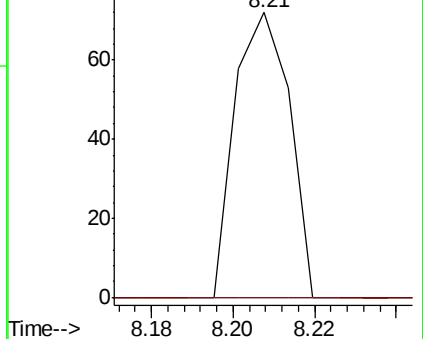
63 100

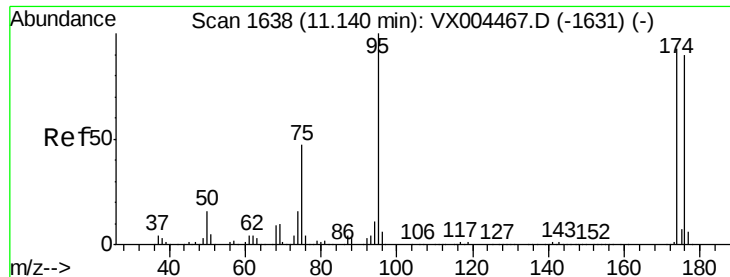
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 47.87 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218DL

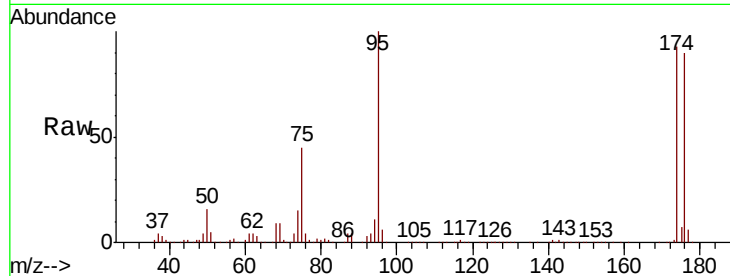
Tot Ion: 95 Resp: 195333

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.2

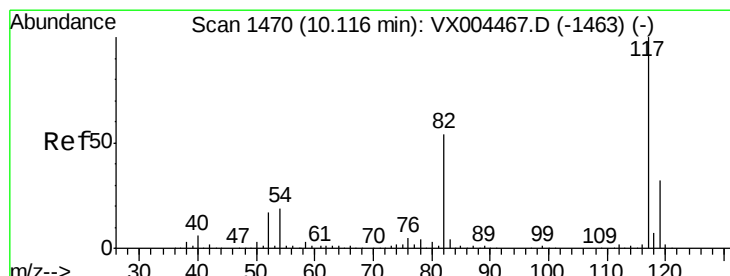
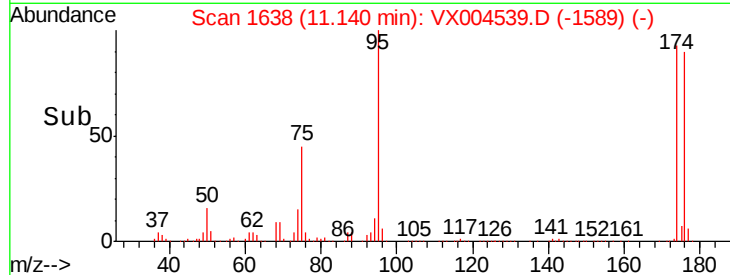
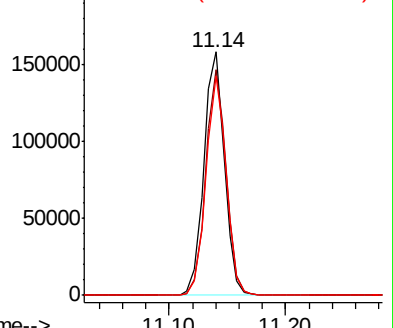
176 88.7 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

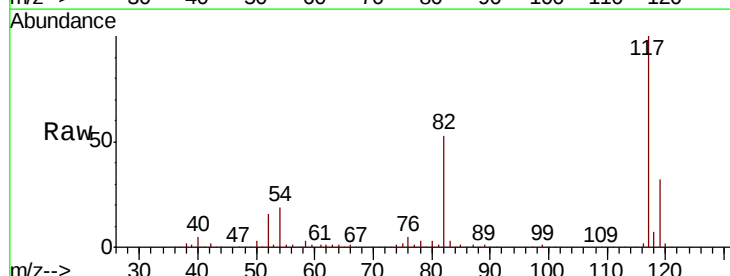
Tgt Ion: 117 Resp: 344377

Ion Ratio Lower Upper

117 100

82 52.8 47.8 71.6

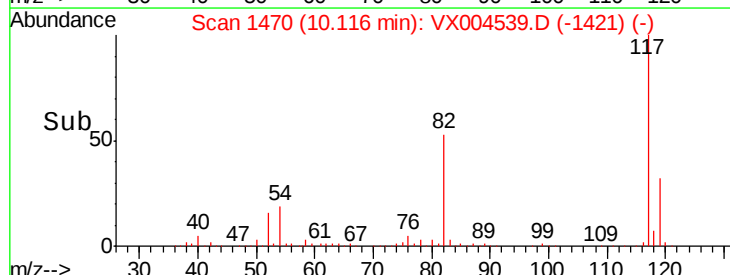
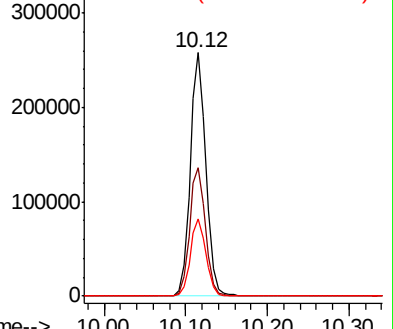
119 31.7 29.3 43.9

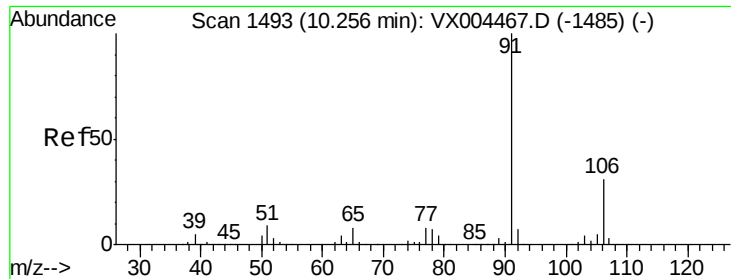


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 37.34 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

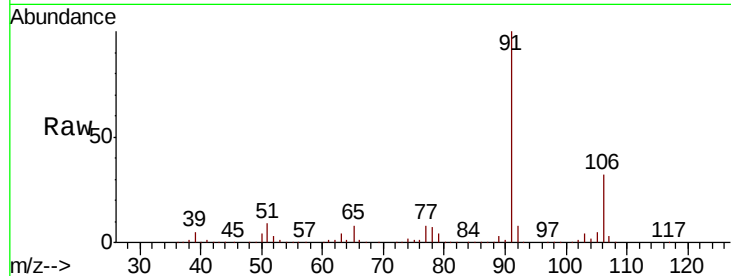
PR-MW-01-091218DL

Tot Ion: 91 Resp: 519404

Ion Ratio Lower Upper

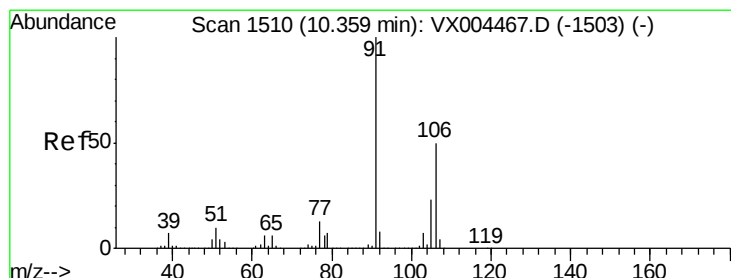
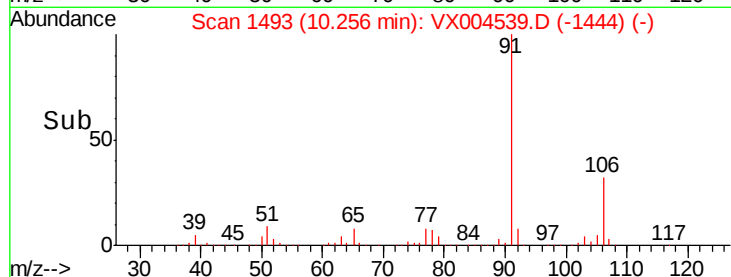
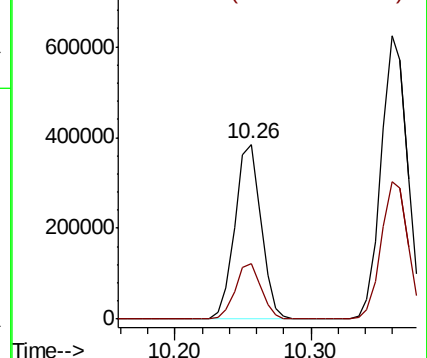
91 100

106 32.0 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 77.21 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004539.D

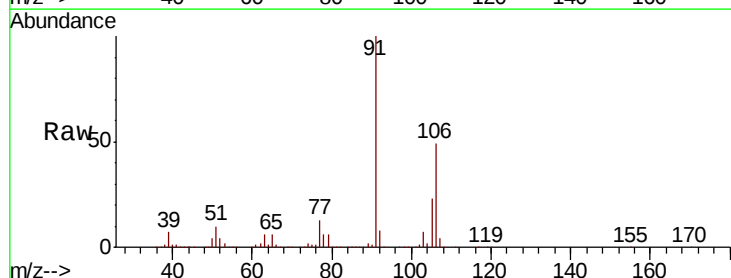
Acq: 14 Sep 2018 14:54

Tgt Ion: 106 Resp: 413701

Ion Ratio Lower Upper

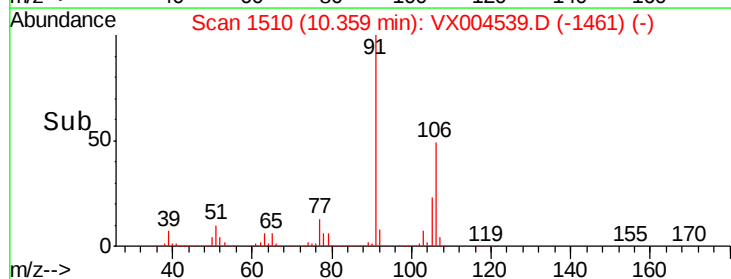
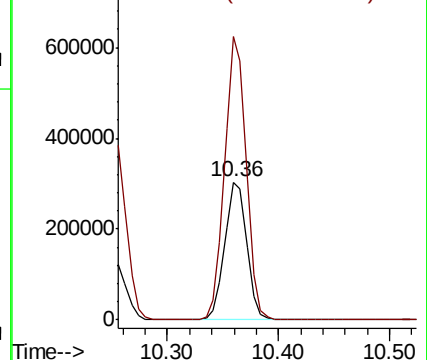
106 100

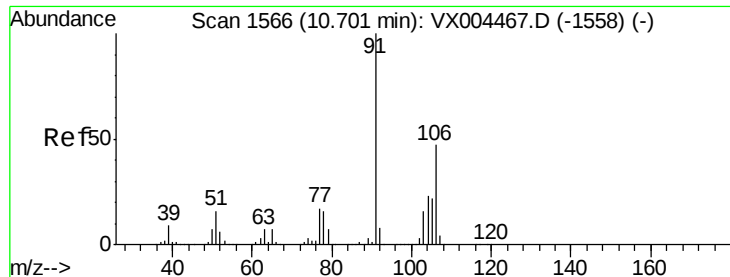
91 201.5 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

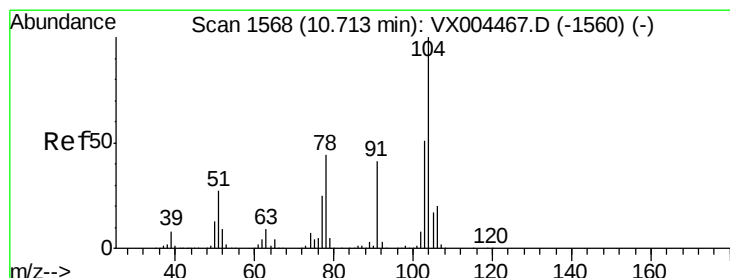
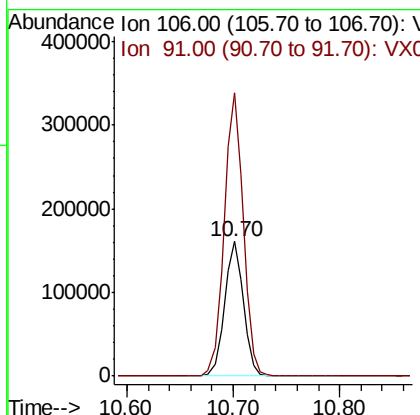
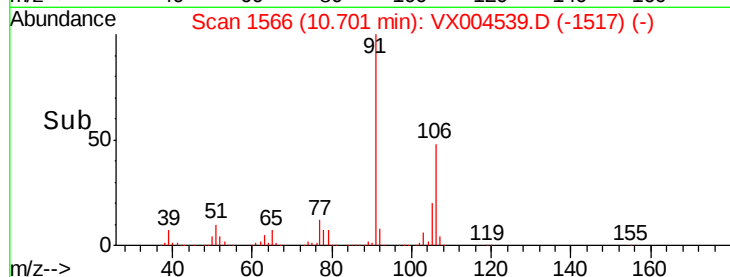
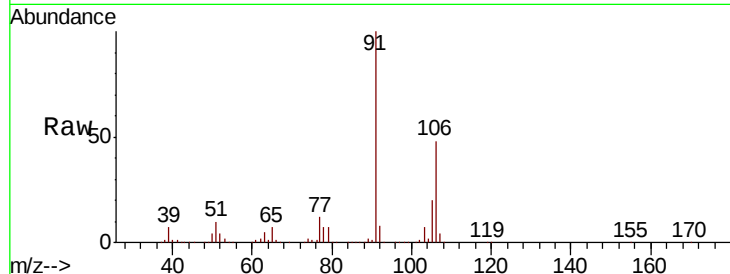




#69
o-Xylene
Concen: 38.71 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

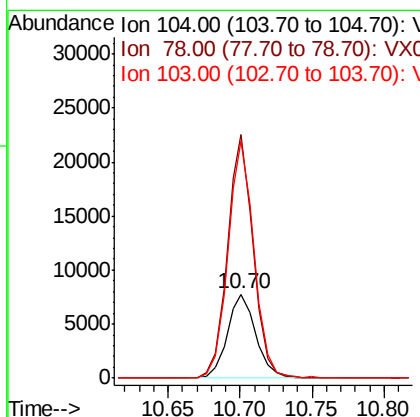
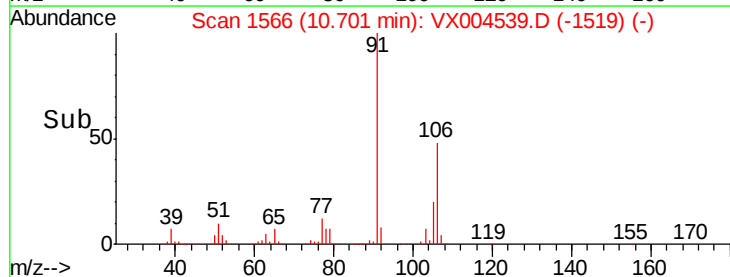
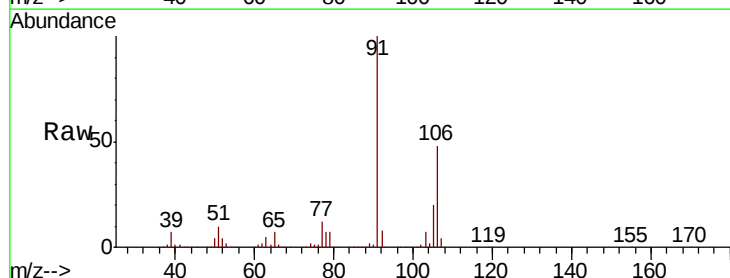
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

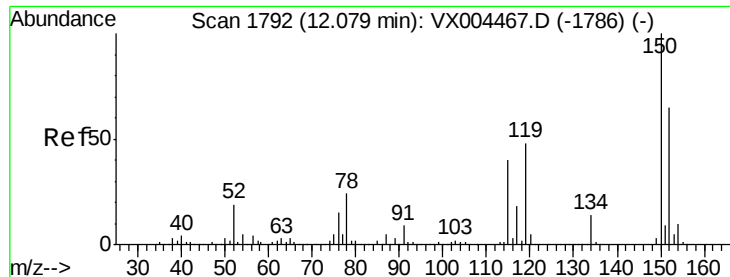
Tot Ion:106 Resp: 199380
Ion Ratio Lower Upper
106 100
91 212.9 105.1 315.1



#70
Styrene
Concen: 1.26 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Tgt Ion:104 Resp: 10758
Ion Ratio Lower Upper
104 100
78 261.9 37.4 56.0#
103 259.4 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: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218DL

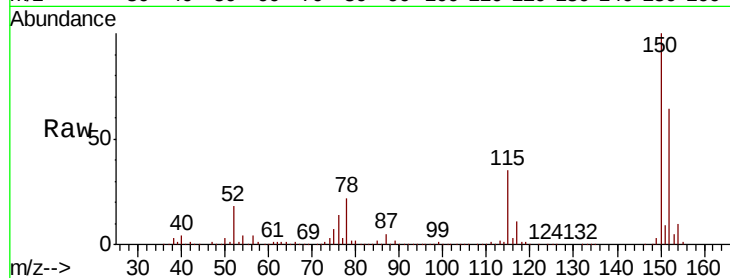
Tot Ion:152 Resp: 203434

Ion Ratio Lower Upper

152 100

115 55.7 39.0 117.0

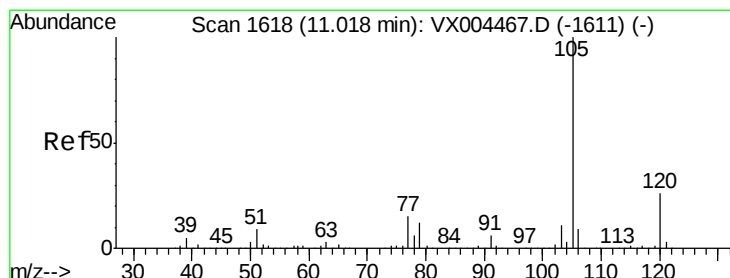
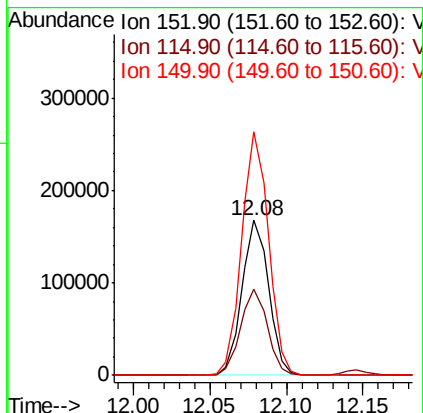
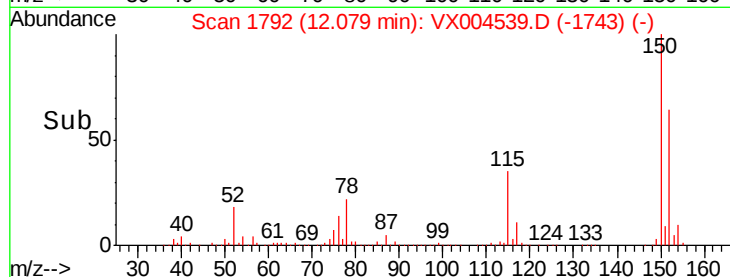
150 157.6 0.0 351.0



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: 3.37 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004539.D

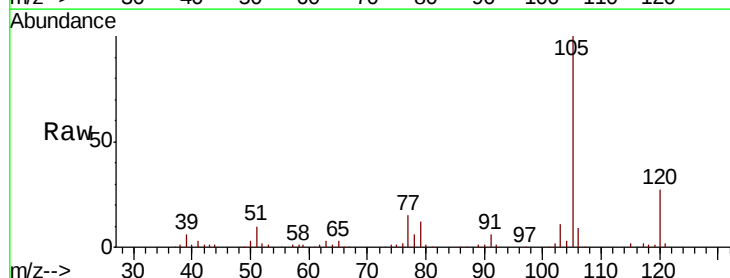
Acq: 14 Sep 2018 14:54

Tgt Ion:105 Resp: 45130

Ion Ratio Lower Upper

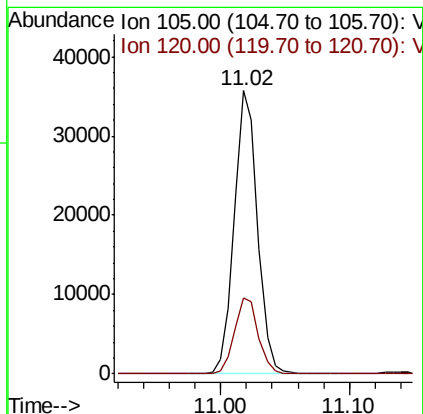
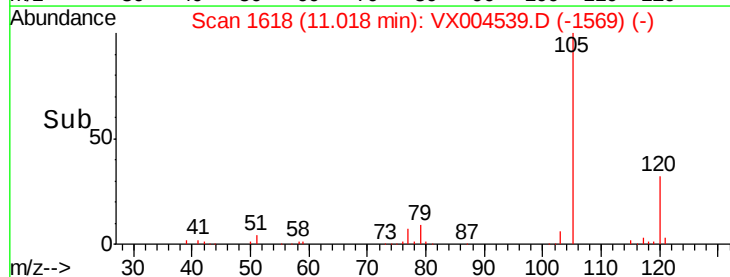
105 100

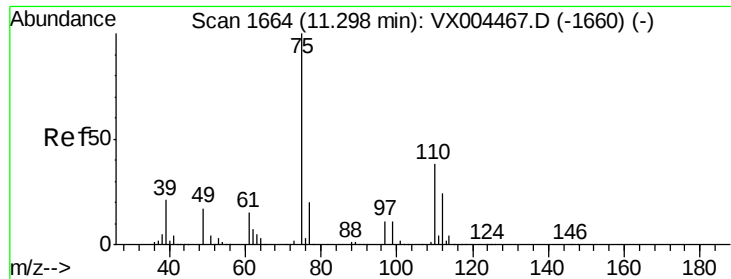
120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

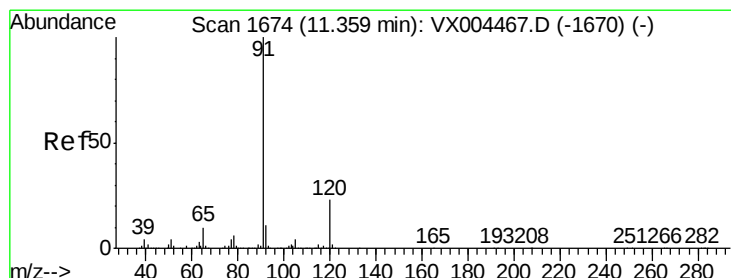
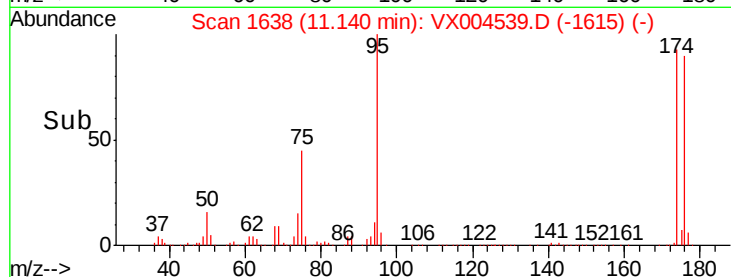
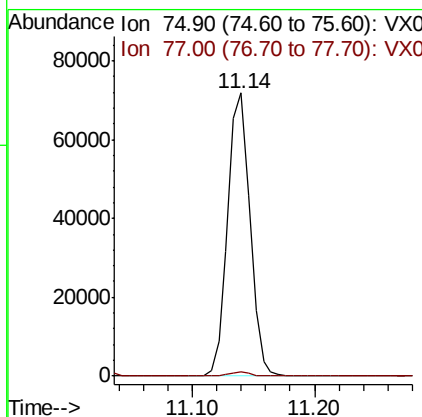
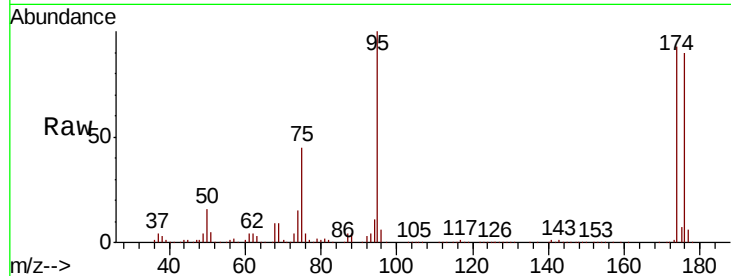




#76
 1,2,3-Trichloropropane
 Concen: 22.18 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

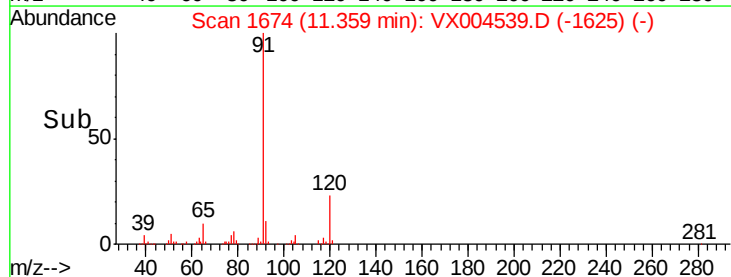
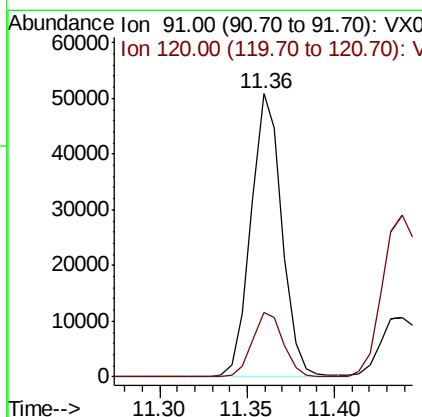
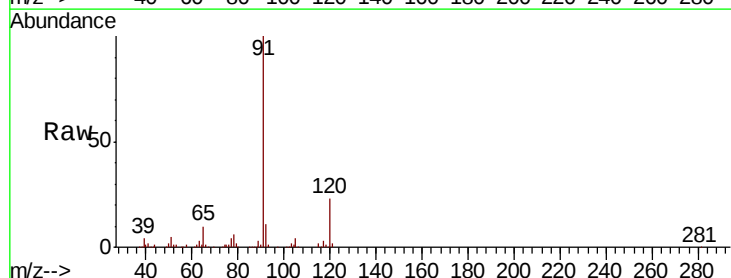
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218DL

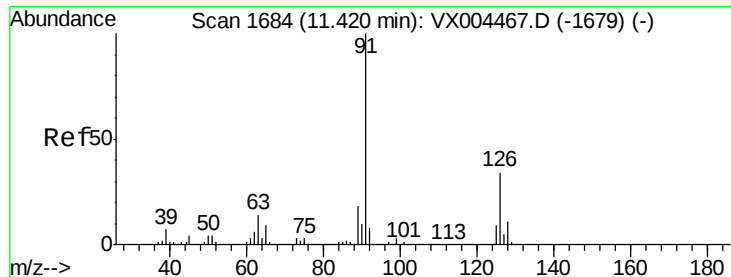
Tot Ion: 75 Resp: 90781
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#78
 n-propylbenzene
 Concen: 4.06 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

Tgt Ion: 91 Resp: 62501
 Ion Ratio Lower Upper
 91 100
 120 22.9 11.9 35.9

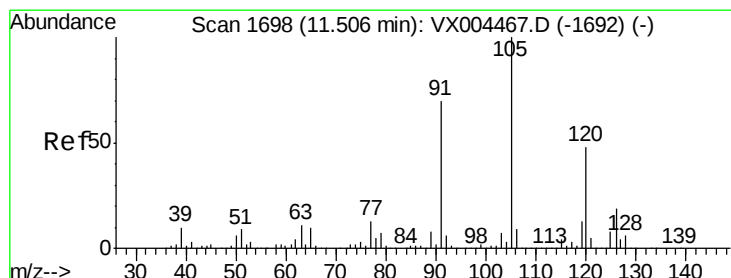
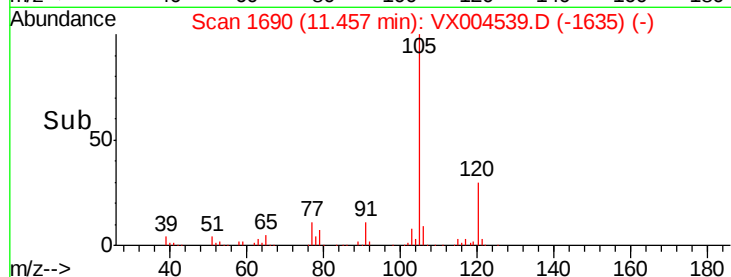
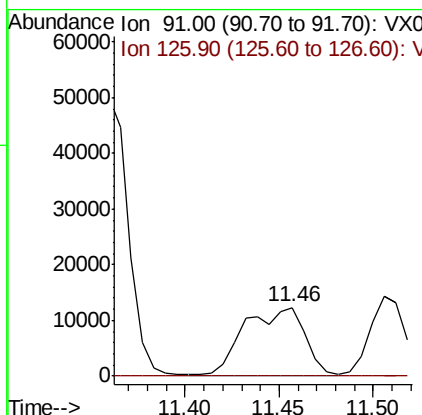
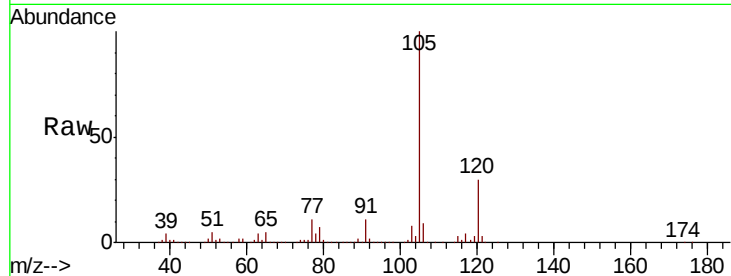




#79
 2-Chlorotoluene
 Concen: 2.96 ug/l
 RT: 11.46 min Scan# 1690
 Delta R.T. 0.04 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

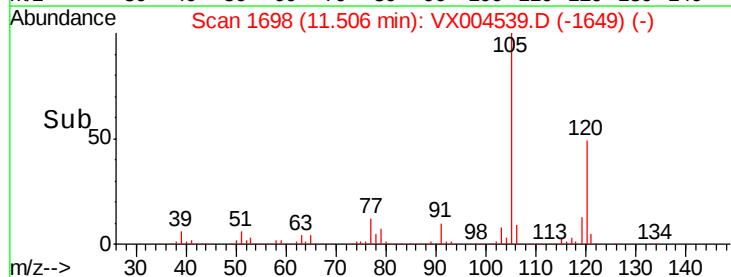
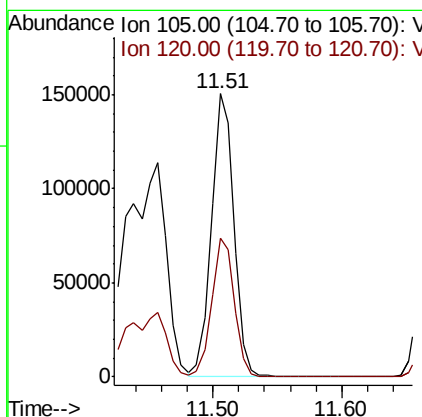
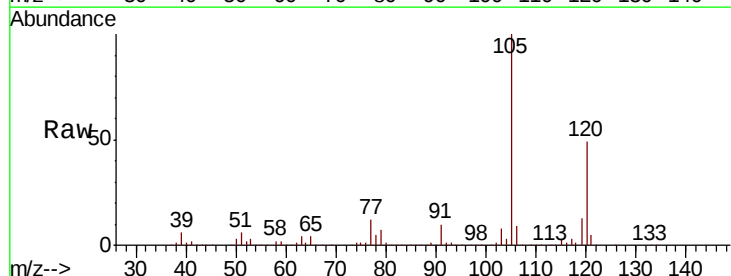
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218DL

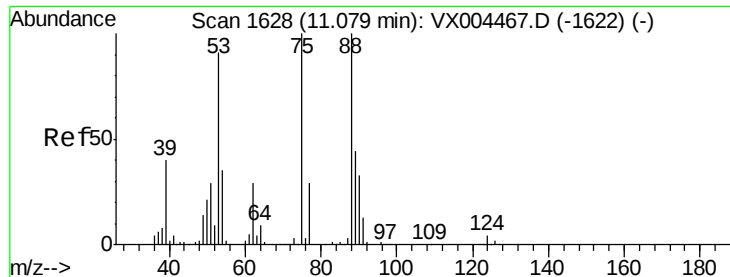
Tot Ion: 91 Resp: 27633
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 16.36 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

Tgt Ion: 105 Resp: 184219
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 70.70 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218DL

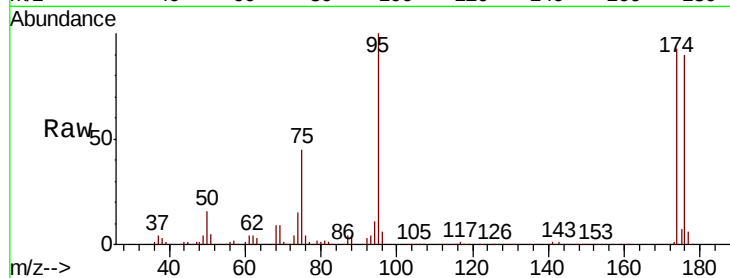
Tot Ion: 75 Resp: 90781

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

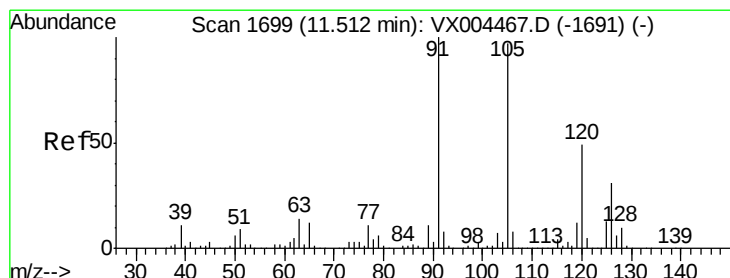
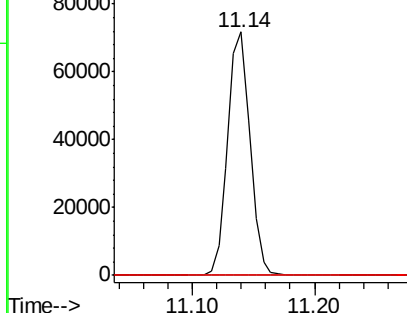
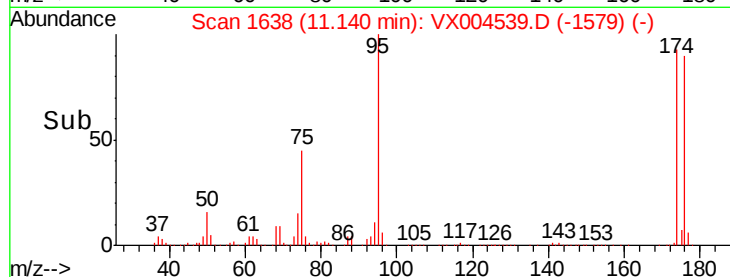
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.69 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX004539.D

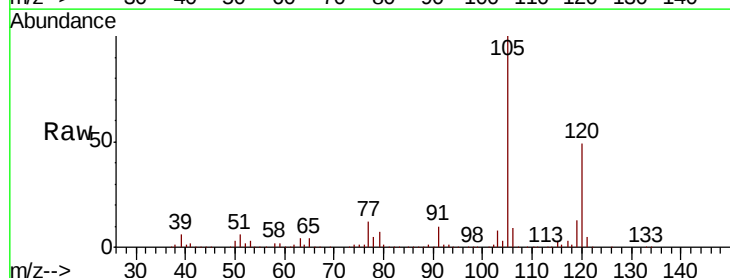
Acq: 14 Sep 2018 14:54

Tgt Ion: 91 Resp: 18479

Ion Ratio Lower Upper

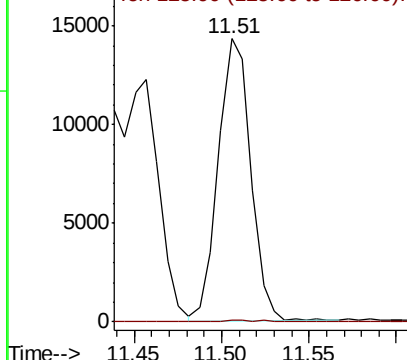
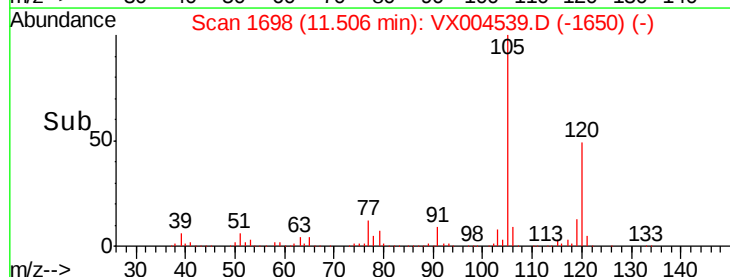
91 100

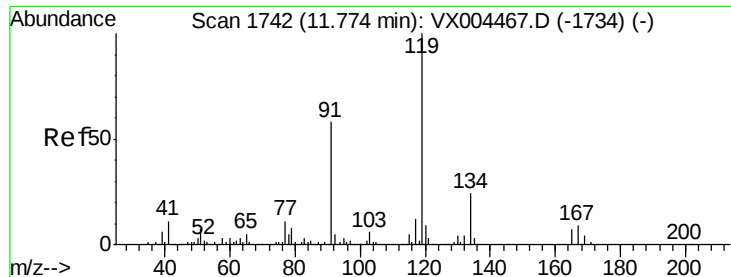
126 0.5 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 6.78 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.04 min

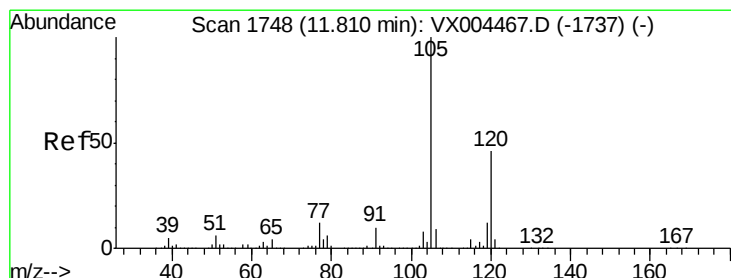
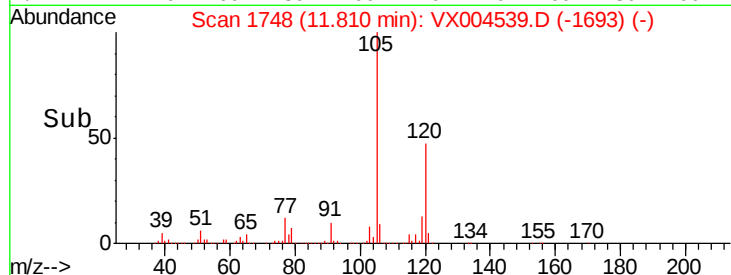
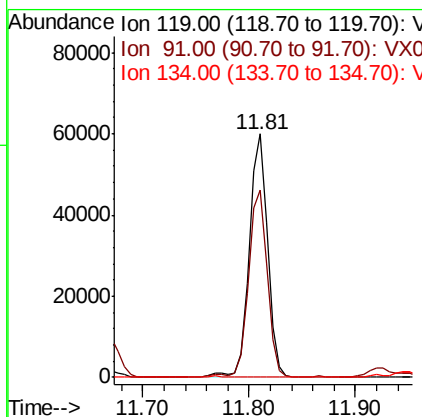
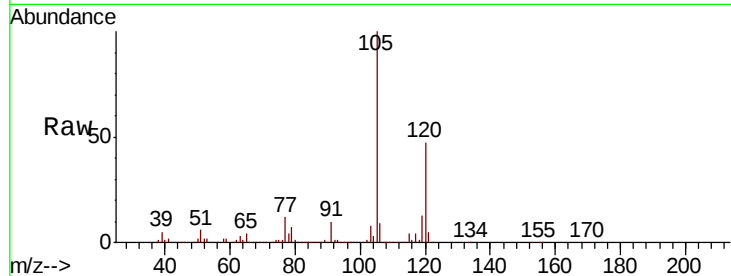
Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

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

Tot Ion:119 Resp: 72695

Ion	Ratio	Lower	Upper
119	100		
91	78.6	27.0	81.0
134	0.5	11.7	35.1#



#84

1,2,4-Trimethylbenzene

Concen: 49.07 ug/l

RT: 11.81 min Scan# 1748

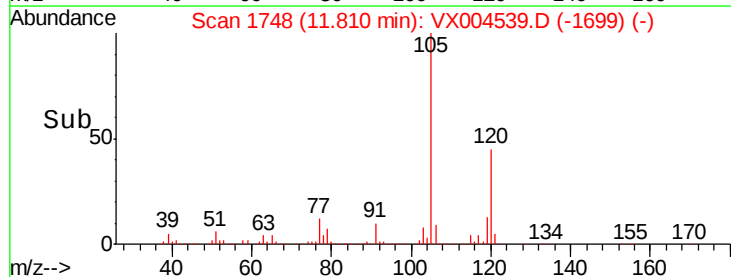
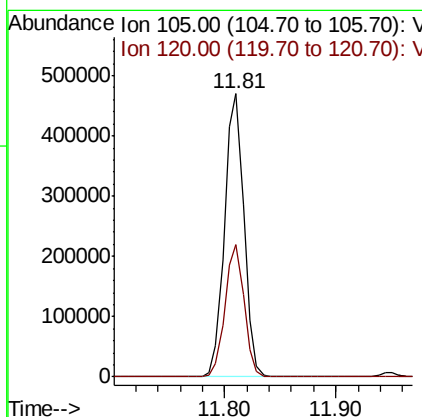
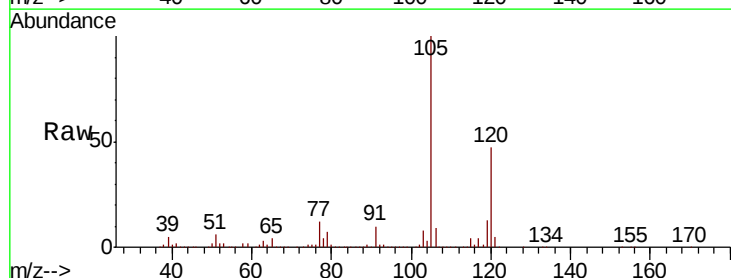
Delta R.T. 0.00 min

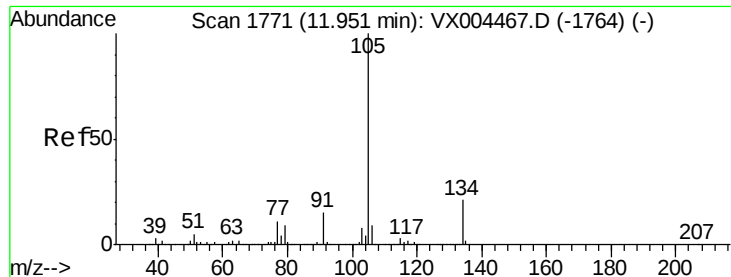
Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Tgt Ion:105 Resp: 564241

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 41.29 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.14 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

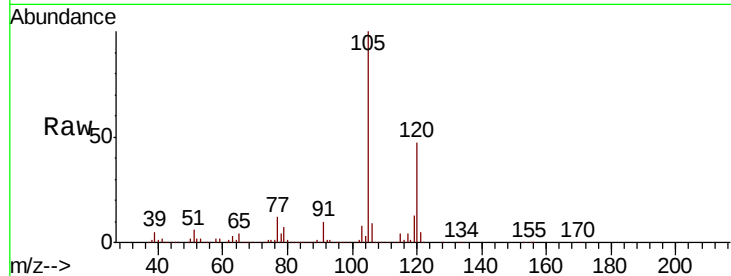
PR-MW-01-091218DL

Tot Ion:105 Resp: 564241

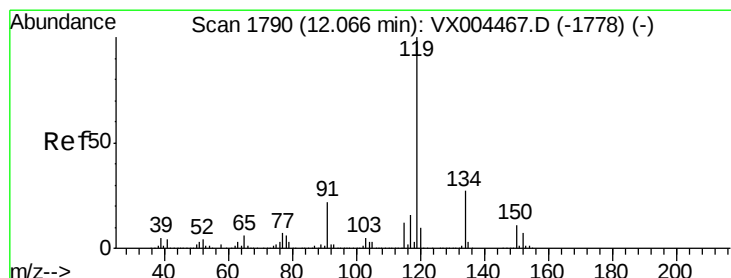
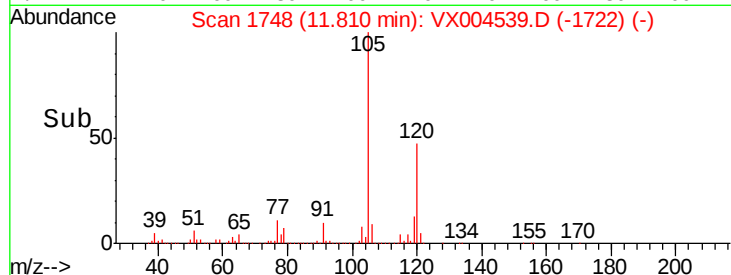
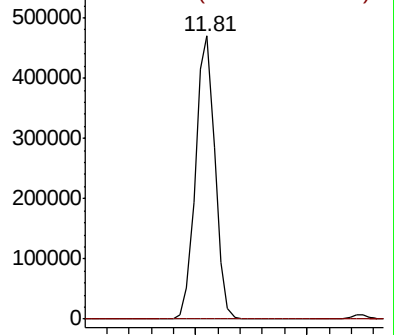
Ion Ratio Lower Upper

105 100

134 0.1 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V



#86

p-Isopropyltoluene

Concen: 0.60 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

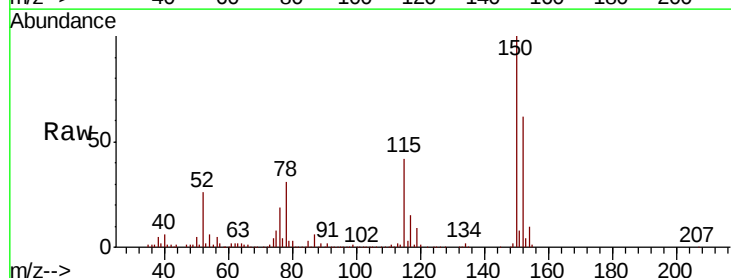
Tgt Ion:119 Resp: 7199

Ion Ratio Lower Upper

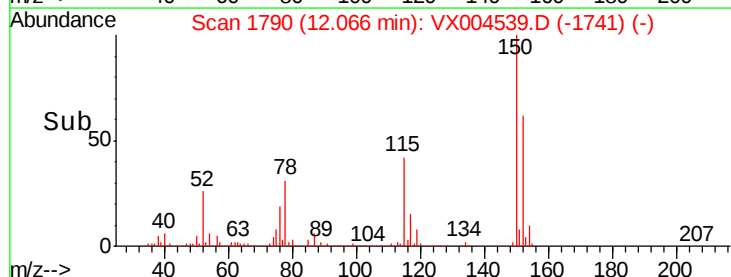
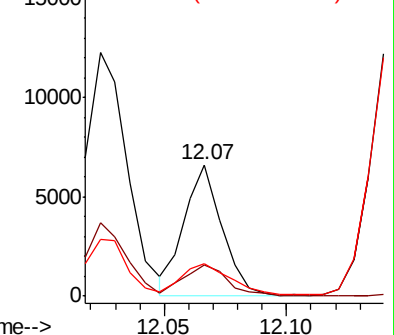
119 100

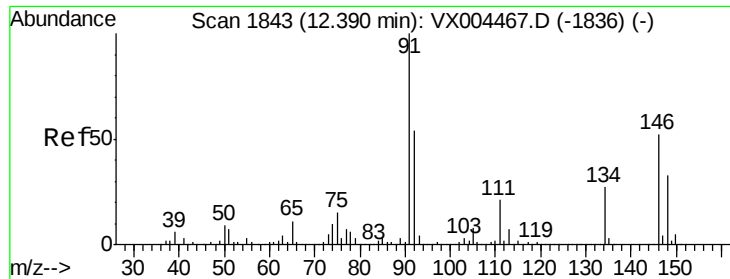
134 27.5 13.4 40.2

91 29.6 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

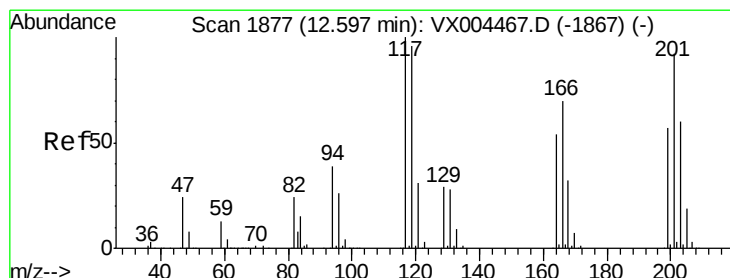
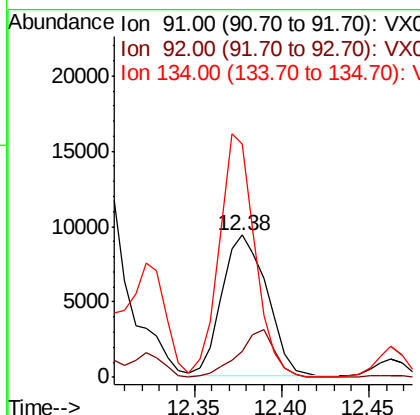
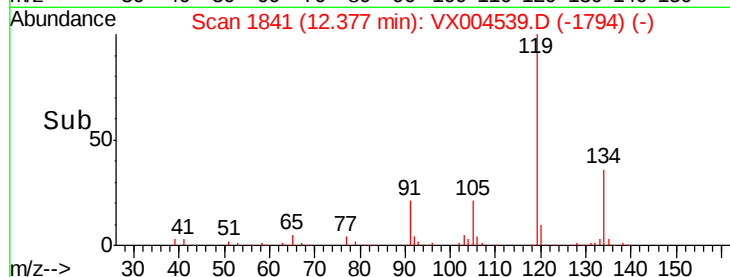
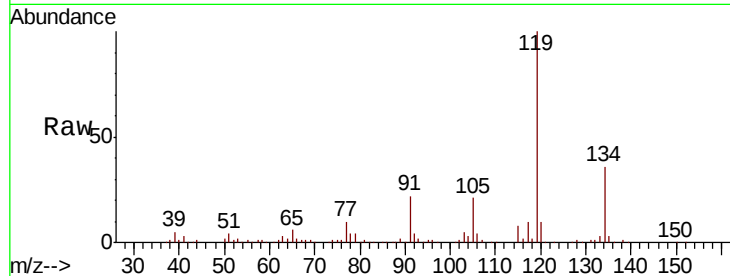




#89
n-Butylbenzene
Concen: 1.52 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

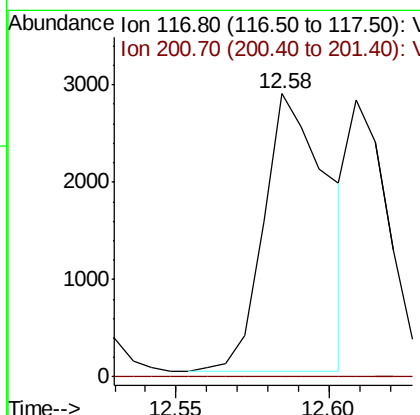
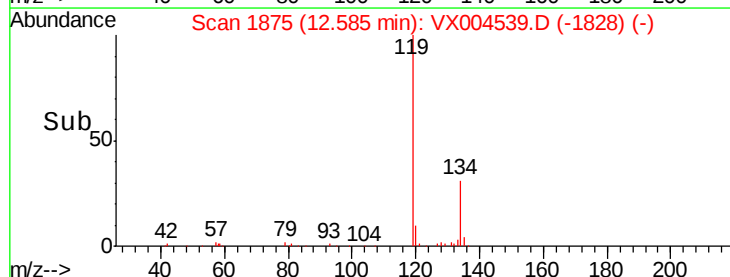
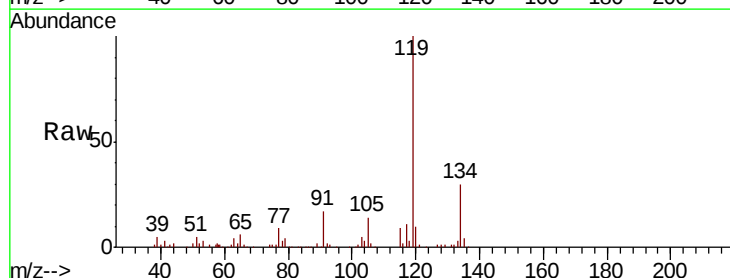
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

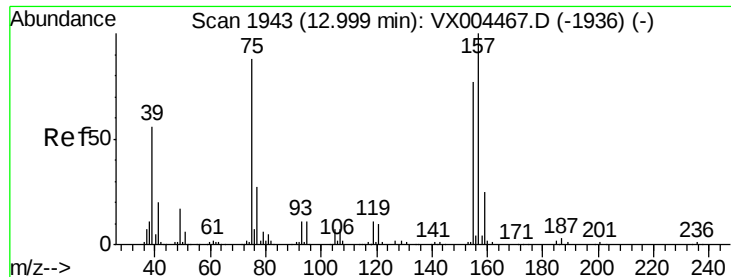
Tot Ion: 91 Resp: 16729
Ion Ratio Lower Upper
91 100
92 27.6 27.3 81.9
134 136.4 13.6 40.7#



#90
Hexachloroethane
Concen: 2.15 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Tgt Ion: 117 Resp: 4154
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.52 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218DL

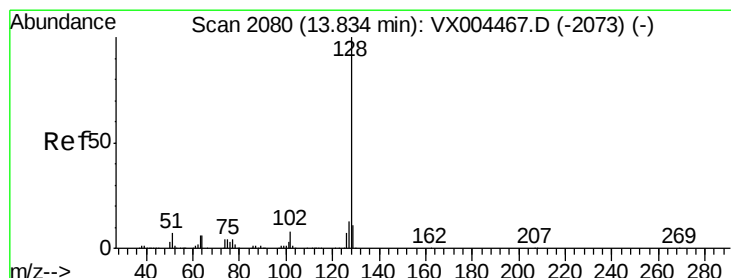
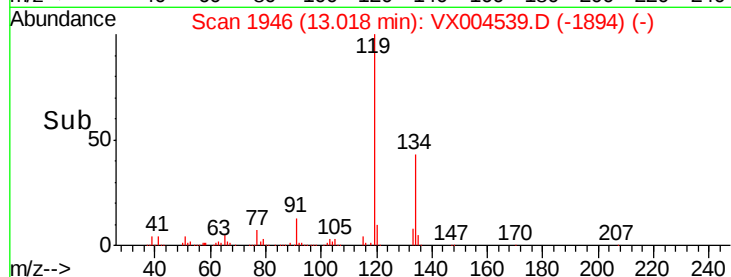
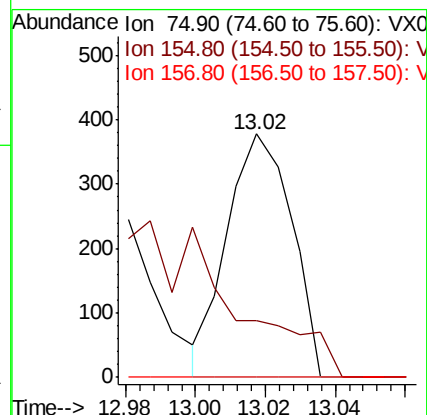
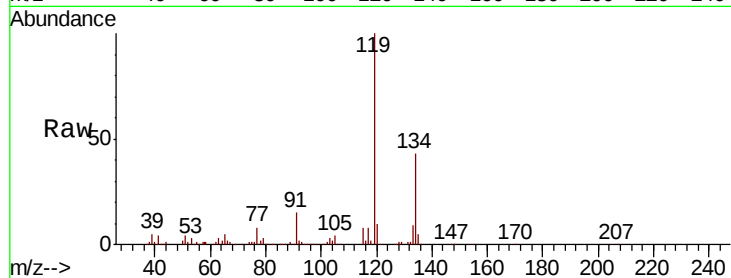
Tot Ion: 75 Resp: 484

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

157 0.0 61.4 184.1#



#95

Naphthalene

Concen: 19.47 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Tgt Ion: 128 Resp: 270422

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 11.3 8.6 12.8

