

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004528.D
 Acq On : 13 Sep 2018 20:35
 Operator : JC/MD
 Sample : J4892-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-02-091218

Quant Time: Sep 14 03:56:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	265326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364271	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	352138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	179104	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	5.50	113	160881	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	8.72	98	543062	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.14	95	200197	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	748	0.22	ug/l	94
5) Bromomethane	1.65	94	849	Below	Cal #	76
10) Methyl Iodide	2.51	142	579	4.41	ug/l #	92
11) Tert butyl alcohol	3.07	59	1025	1.26	ug/l #	72
13) Acrolein	2.26	56	820	2.54	ug/l #	1
15) Acrylonitrile	3.17	53	1544	0.79	ug/l #	43
16) Acetone	2.44	43	3901	2.34	ug/l	98
18) Methyl Acetate	2.84	43	24261	5.18	ug/l #	51
20) Methylene Chloride	2.85	84	1210	0.35	ug/l #	90
25) 2-Butanone	4.71	43	1435	0.54	ug/l	96
30) Chloroform	5.27	83	6558	1.16	ug/l #	17
31) Cyclohexane	5.57	56	19284	3.90	ug/l #	81
36) 1,1-Dichloropropene	5.66	75	17696	4.00	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23582	5.46	ug/l #	15
39) Methylcyclohexane	7.46	83	20191	4.38	ug/l #	84
40) Benzene	6.15	78	7289	0.56	ug/l #	90
41) Methacrylonitrile	5.06	41	1106	0.40	ug/l #	23
43) Isopropyl Acetate	6.46	43	1716	0.26	ug/l #	59
48) Methyl methacrylate	7.73	41	2745	0.83	ug/l #	56
52) Toluene	8.79	92	3517	0.45	ug/l	99
56) Ethyl methacrylate	9.16	69	1164	0.25	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.27	63	183	7.35	ug/l #	45
59) 2-Hexanone	9.52	43	1082	0.30	ug/l	92
67) Ethyl Benzene	10.26	91	23215	1.63	ug/l	97
73) Isopropylbenzene	11.02	105	713701	53.99	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	94069	23.29	ug/l #	35
78) n-propylbenzene	11.36	91	324202	21.33	ug/l	98
79) 2-Chlorotoluene	11.36	91	324202	35.17	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.67	105	22111	1.99	ug/l	71
81) trans-1,4-Dichloro-2-buten	11.14	75	94069	74.25	ug/l #	9
82) 4-Chlorotoluene	11.36	91	324202	30.13	ug/l #	44
83) tert-Butylbenzene	11.77	119	6788	0.64	ug/l	84
85) sec-Butylbenzene	11.94	105	48022	3.56	ug/l	85
86) p-Isopropyltoluene	12.23	119	15040	1.26	ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

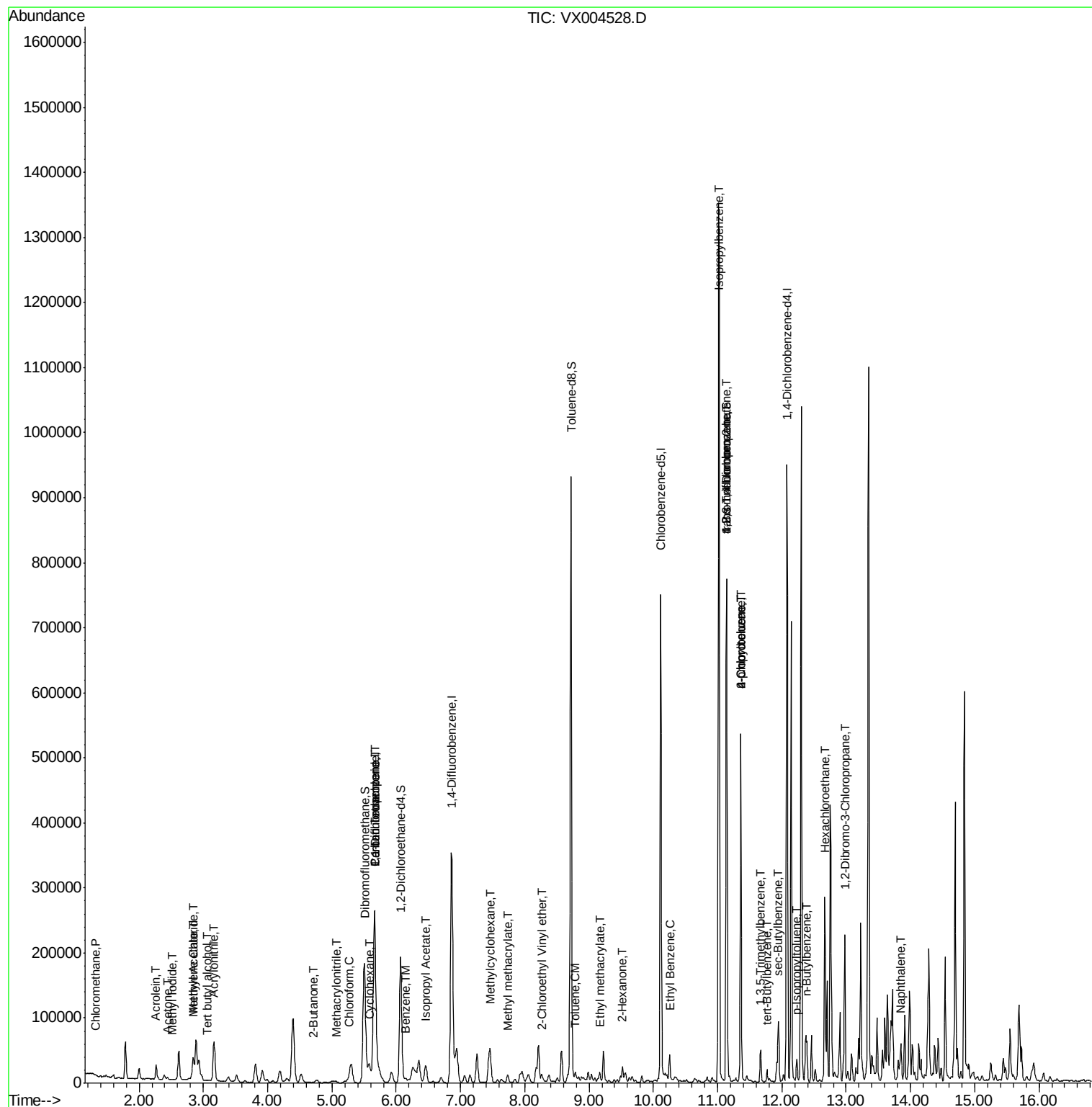
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.39	91	29098	2.68	ug/l #	79
90) Hexachloroethane	12.67	117	12814	6.72	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.97	75	856	0.94	ug/l #	1
95) Naphthalene	13.83	128	17996	1.31	ug/l #	89

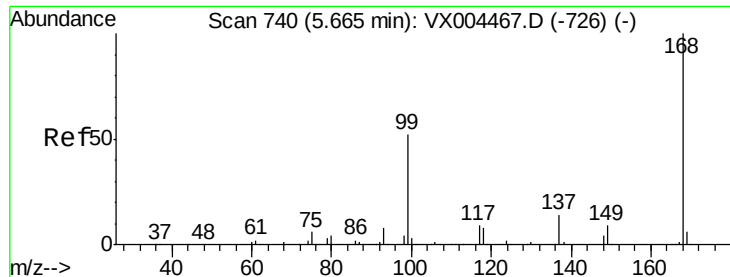
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

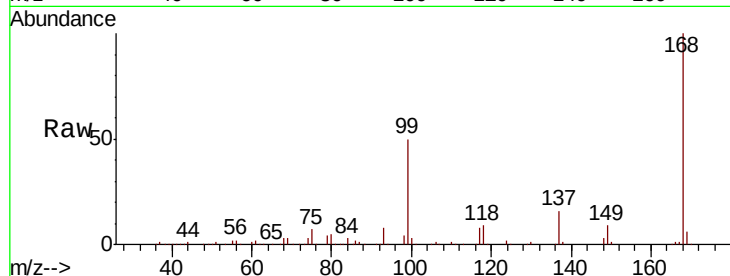
PR-MW-02-091218

Tot Ion:168 Resp: 265326

Ion Ratio Lower Upper

168 100

99 50.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

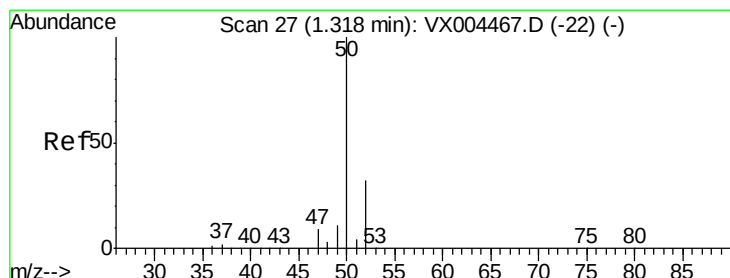
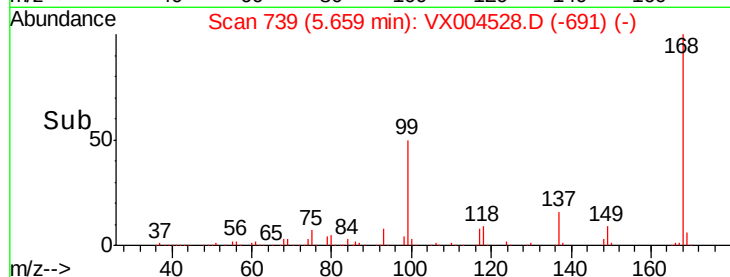
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004528.D

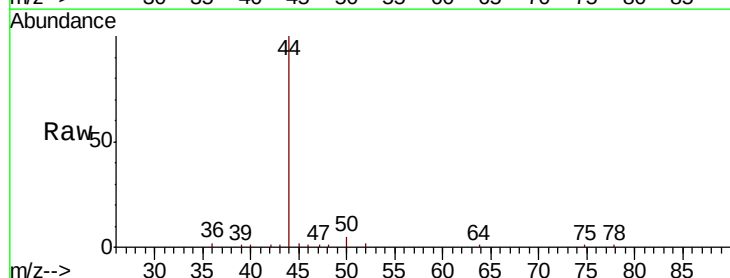
Acq: 13 Sep 2018 20:35

Tgt Ion: 50 Resp: 748

Ion Ratio Lower Upper

50 100

52 36.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

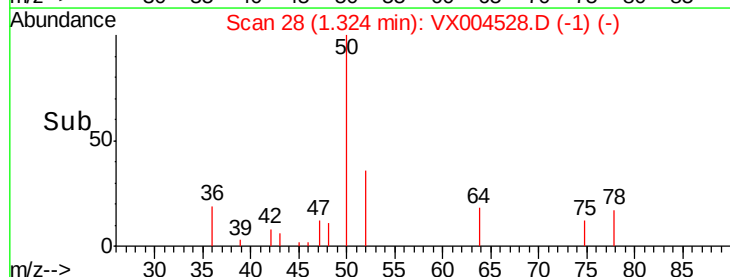
200

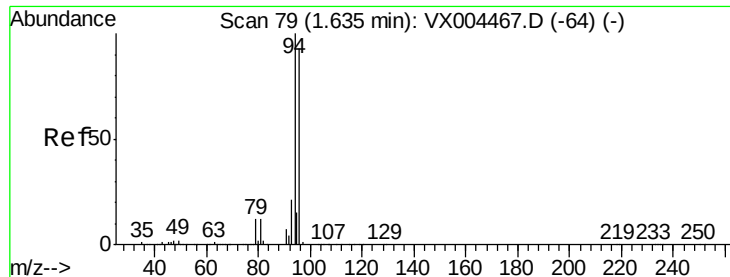
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

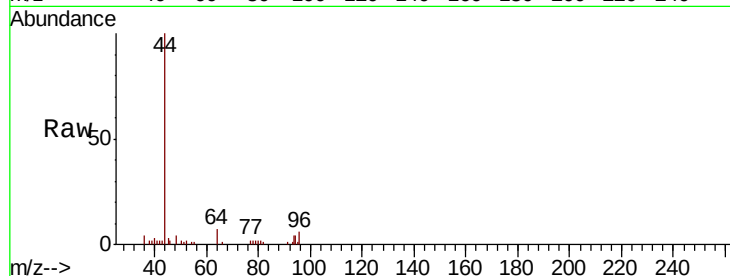
PR-MW-02-091218

Tot Ion: 94 Resp: 849

Ion Ratio Lower Upper

94 100

96 70.5 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

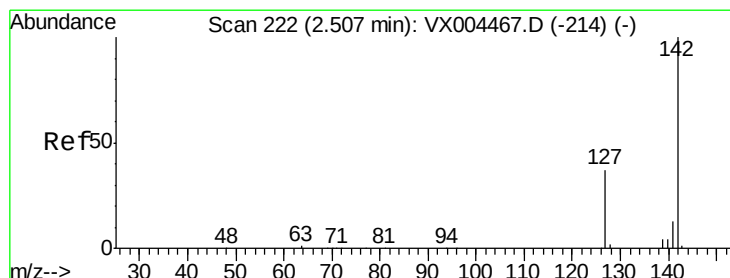
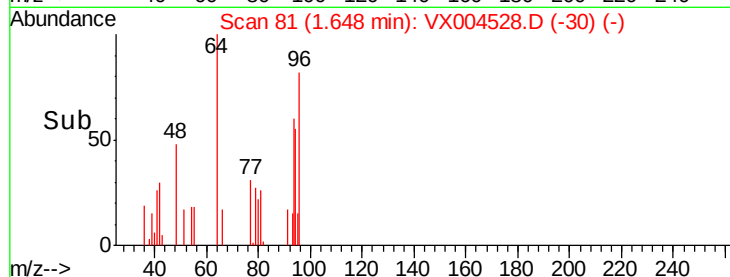
200

100

0

1.60 1.65 1.70 1.75

Time-->



#10

Methyl Iodide

Concen: 4.41 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

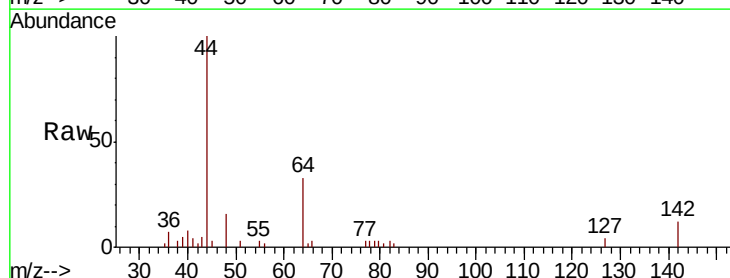
Tgt Ion: 142 Resp: 579

Ion Ratio Lower Upper

142 100

127 43.7 33.8 50.6

141 3.5 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

400

300

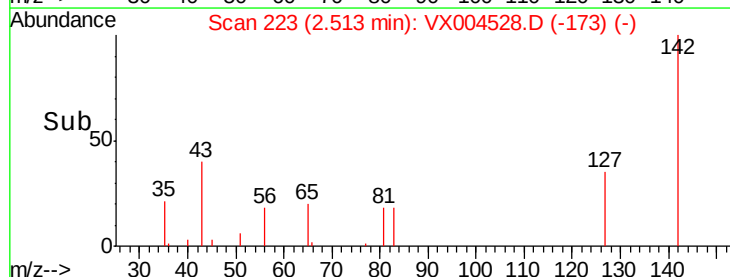
200

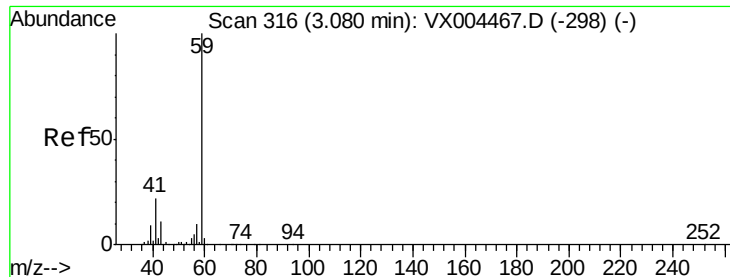
100

0

2.45 2.50 2.55

Time-->



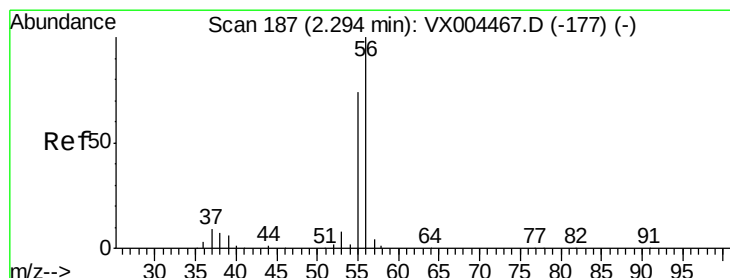
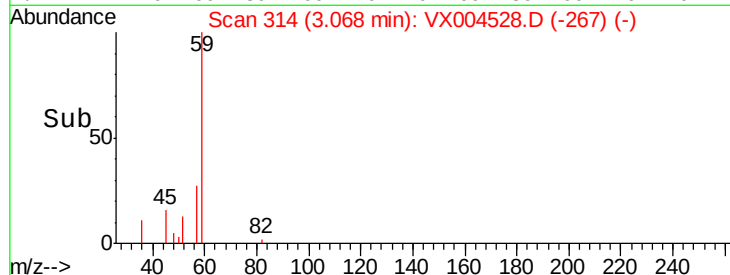
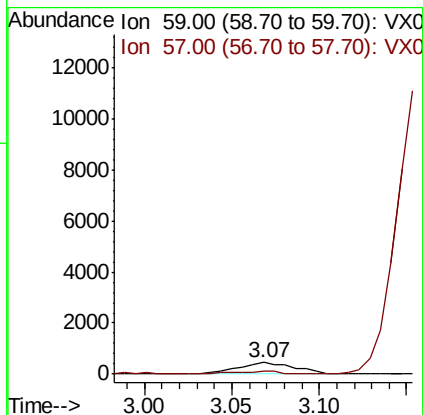
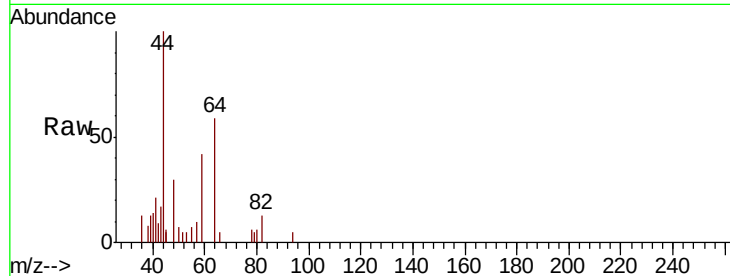


#11

Tert butyl alcohol
 Concen: 1.26 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX004528.D
 Acq: 13 Sep 2018 20:35

Instrument :
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 ClientSampleId :
 PR-MW-02-091218

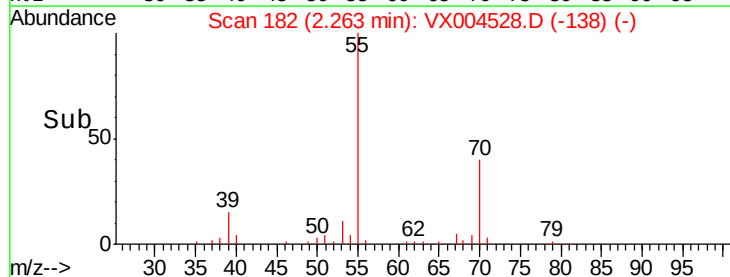
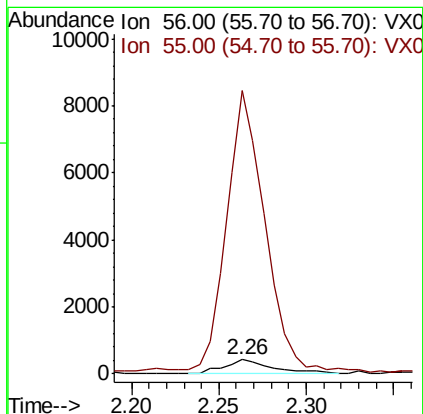
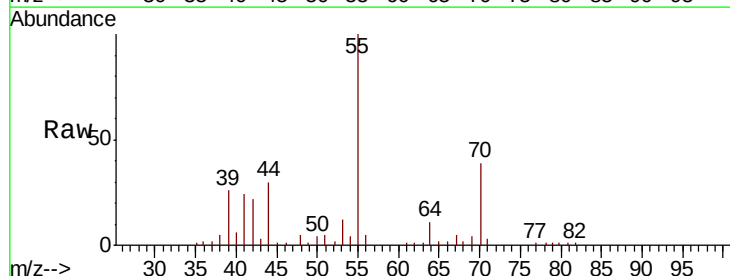
Tot Ion: 59 Resp: 1025
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

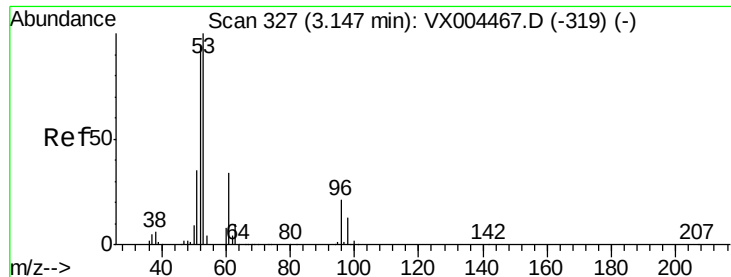


#13

Acrolein
 Concen: 2.54 ug/l
 RT: 2.26 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VX004528.D
 Acq: 13 Sep 2018 20:35

Tgt Ion: 56 Resp: 820
 Ion Ratio Lower Upper
 56 100
 55 1593.3 54.7 82.1#





#15

Acrylonitrile

Concen: 0.79 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-02-091218

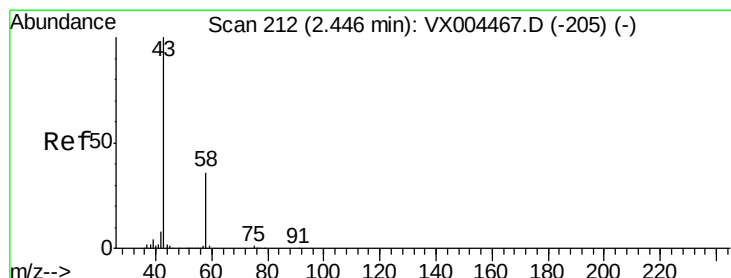
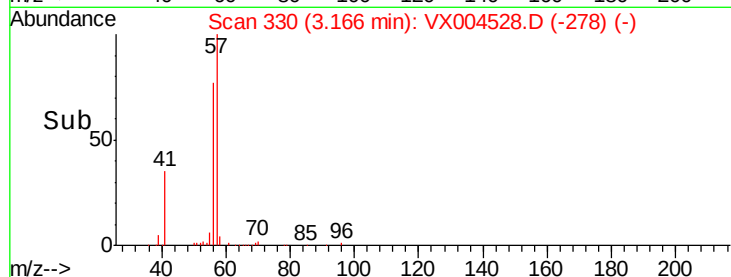
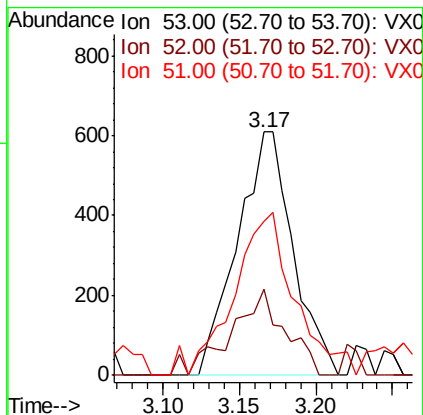
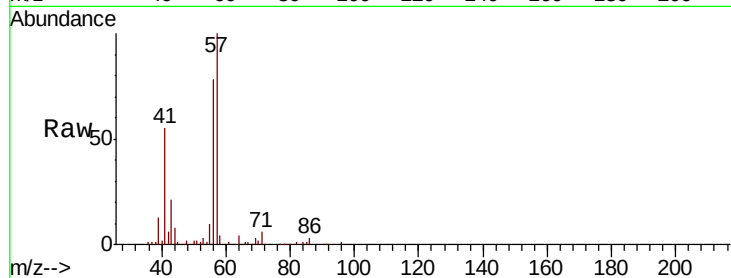
Tot Ion: 53 Resp: 1544

Ion Ratio Lower Upper

53 100

52 34.5 65.2 97.8#

51 73.7 28.2 42.2#



#16

Acetone

Concen: 2.34 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004528.D

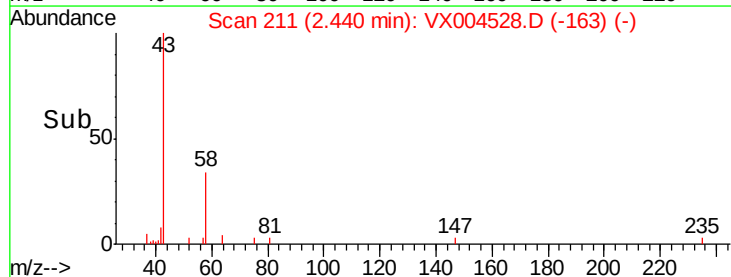
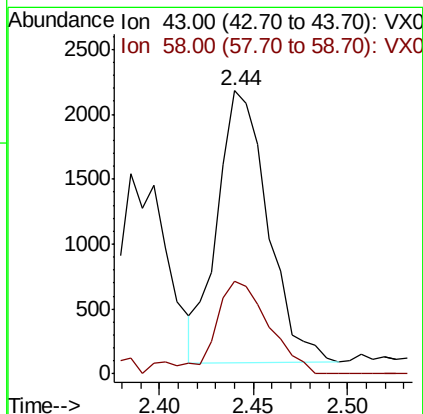
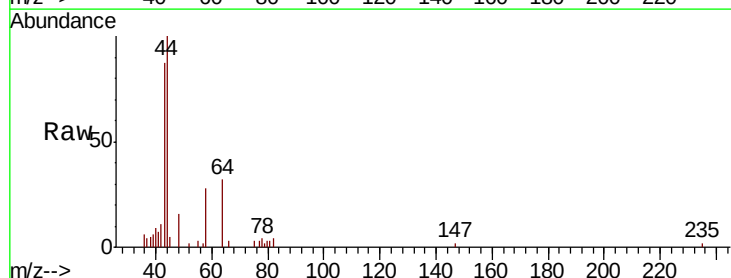
Acq: 13 Sep 2018 20:35

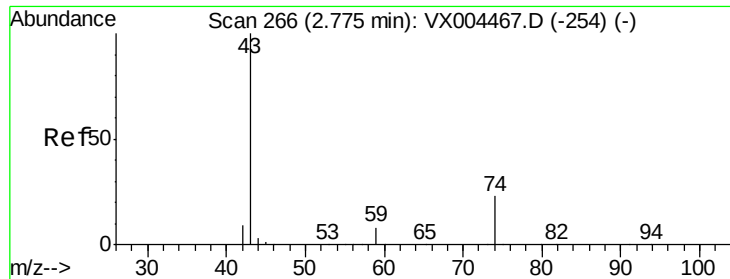
Tgt Ion: 43 Resp: 3901

Ion Ratio Lower Upper

43 100

58 34.1 26.2 39.4





#18

Methyl Acetate

Concen: 5.18 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

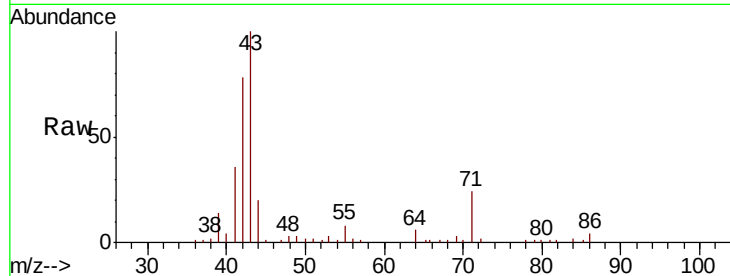
PR-MW-02-091218

Tot Ion: 43 Resp: 24261

Ion Ratio Lower Upper

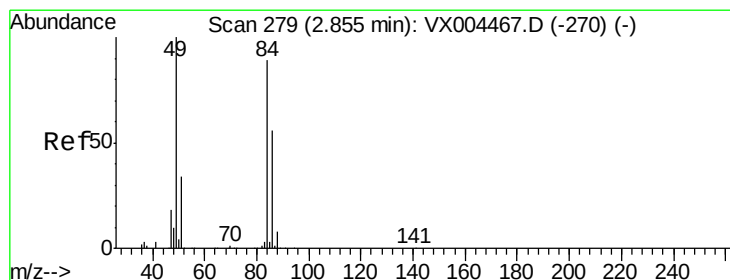
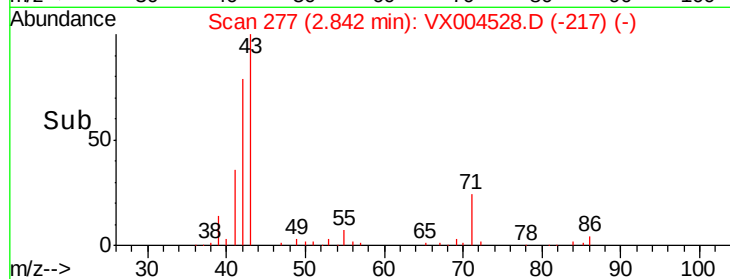
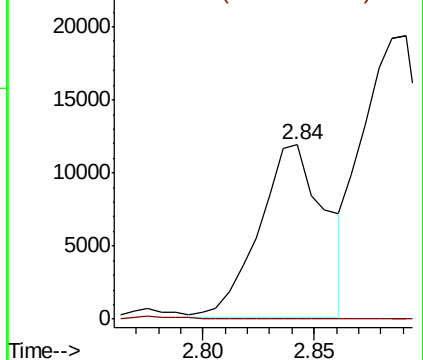
43 100

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

Methylene Chloride

Concen: 0.35 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Tgt Ion: 84 Resp: 1210

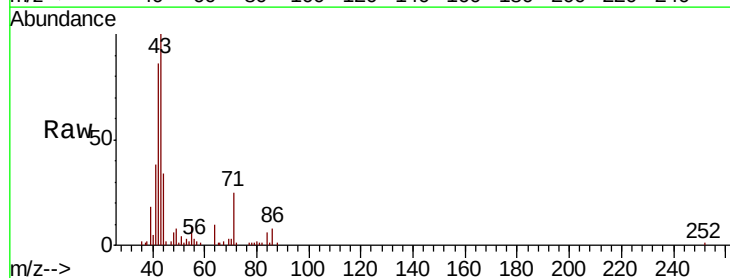
Ion Ratio Lower Upper

84 100

49 115.7 101.2 151.8

51 46.9 29.5 44.3#

86 60.3 52.3 78.5

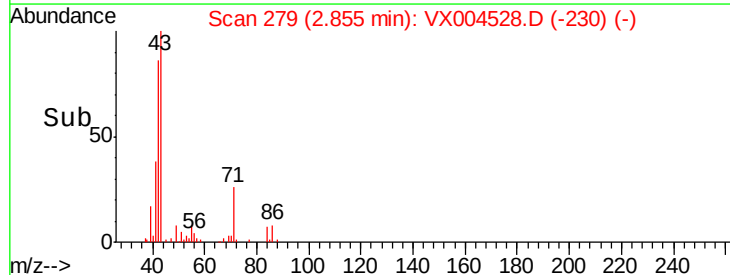
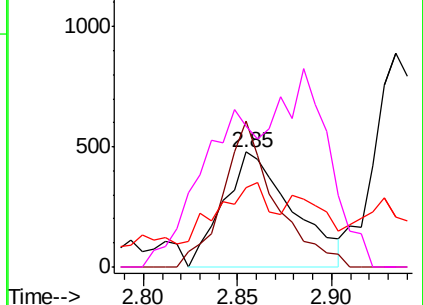


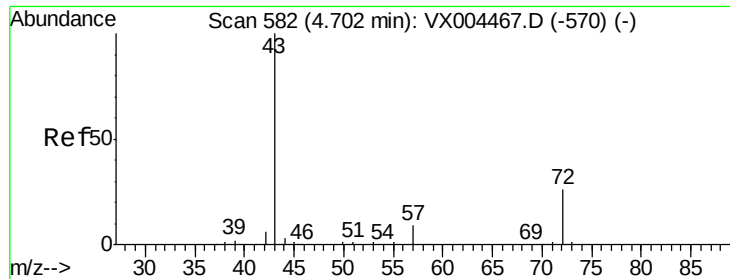
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.54 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

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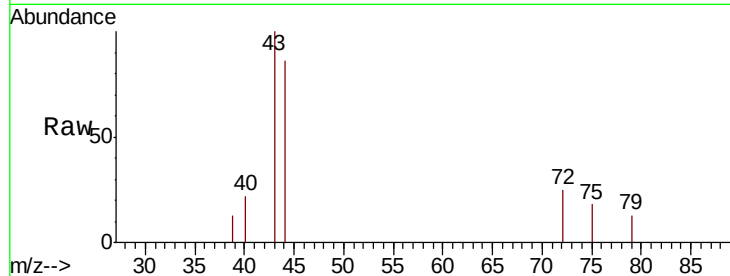
PR-MW-02-091218

Tot Ion: 43 Resp: 1435

Ion Ratio Lower Upper

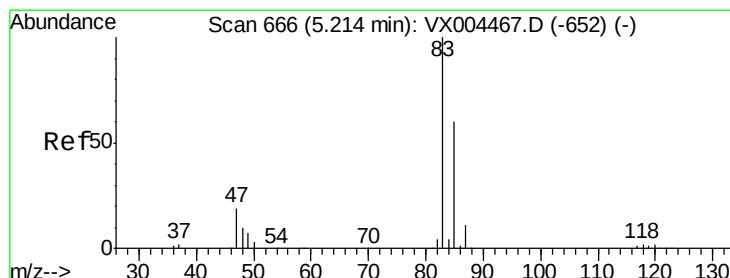
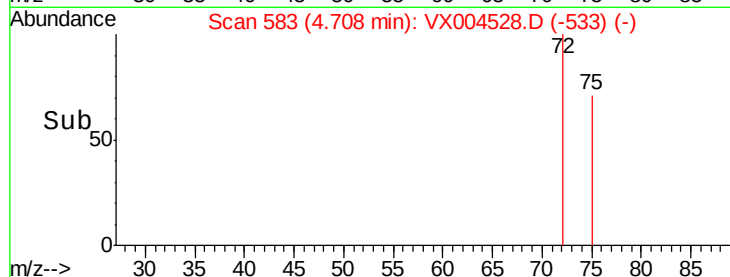
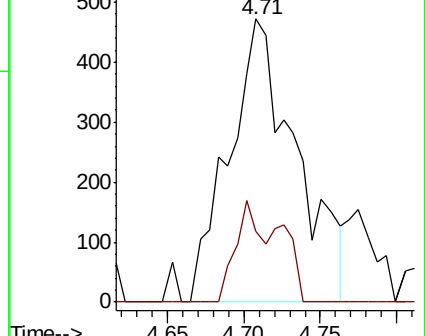
43 100

72 25.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#30

Chloroform

Concen: 1.16 ug/l

RT: 5.27 min Scan# 675

Delta R.T. 0.05 min

Lab File: VX004528.D

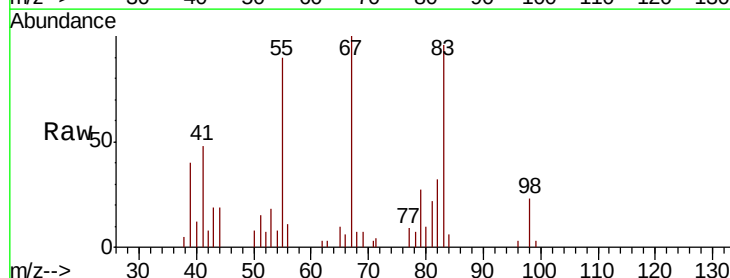
Acq: 13 Sep 2018 20:35

Tgt Ion: 83 Resp: 6558

Ion Ratio Lower Upper

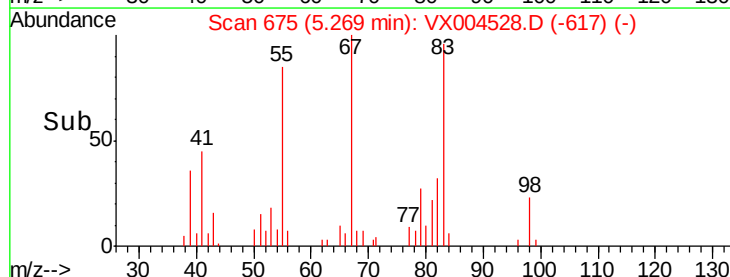
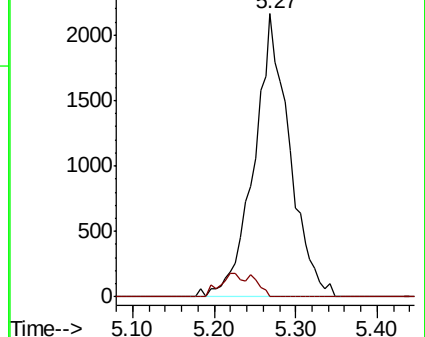
83 100

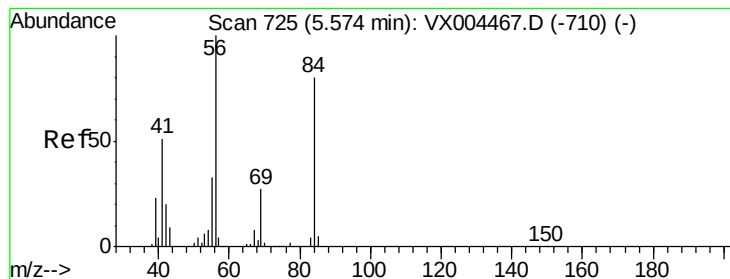
85 0.0 52.6 79.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 3.90 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

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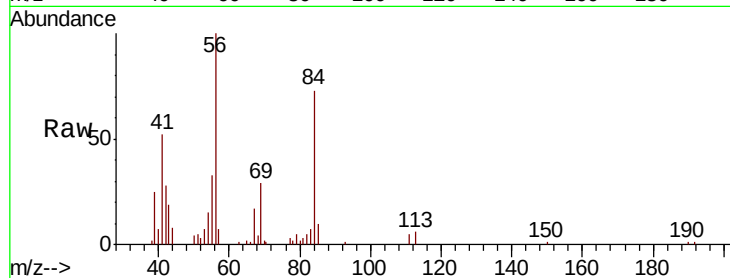
Tot Ion: 56 Resp: 19284

Ion Ratio Lower Upper

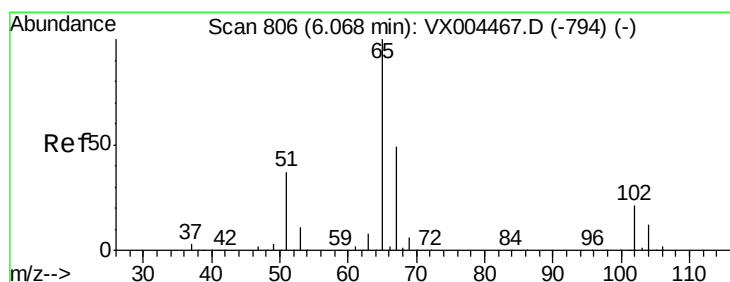
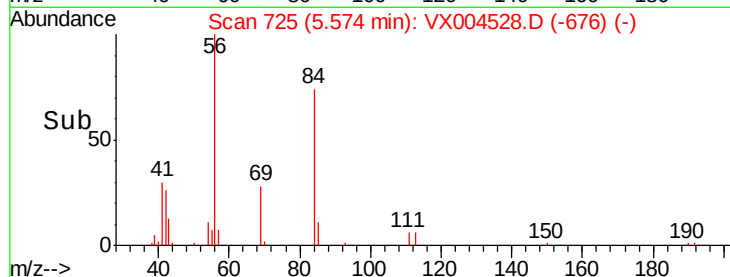
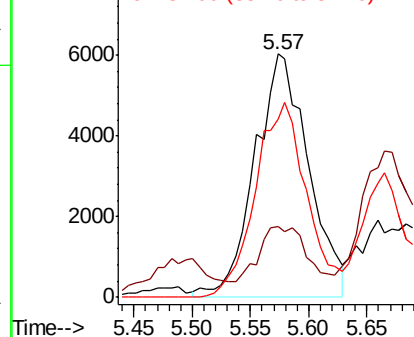
56 100

69 16.5 25.4 38.2#

84 74.9 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: 52.35 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004528.D

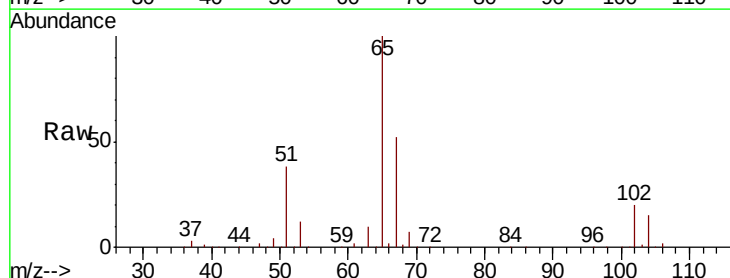
Acq: 13 Sep 2018 20:35

Tgt Ion: 65 Resp: 179104

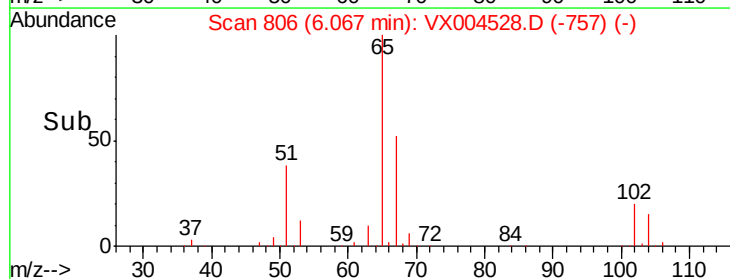
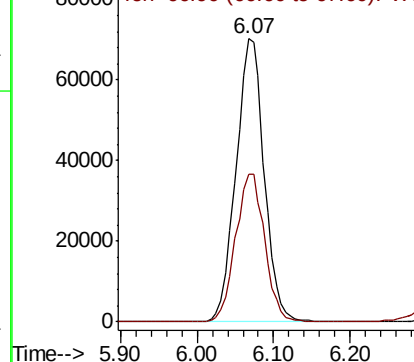
Ion Ratio Lower Upper

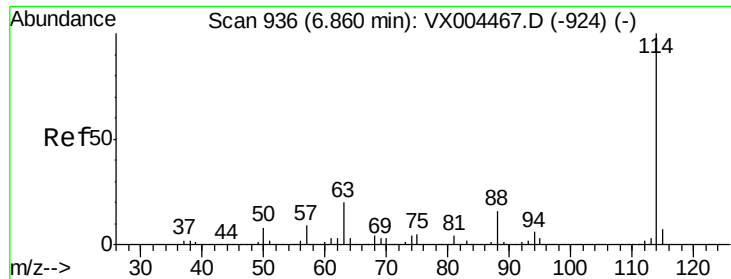
65 100

67 53.5 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: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-02-091218

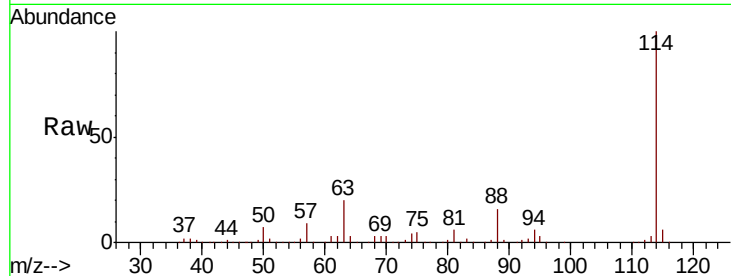
Tot Ion:114 Resp: 364271

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

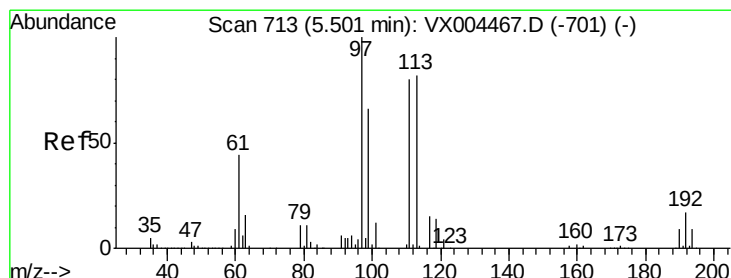
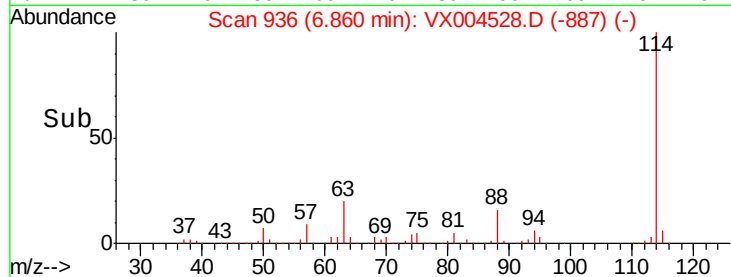
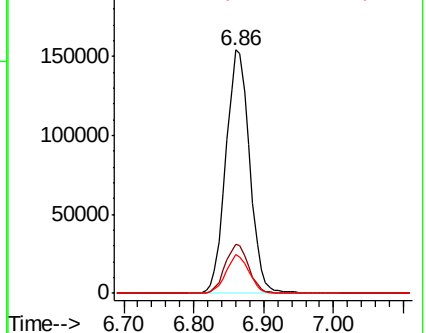
88 16.0 0.0 30.4



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: 48.26 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

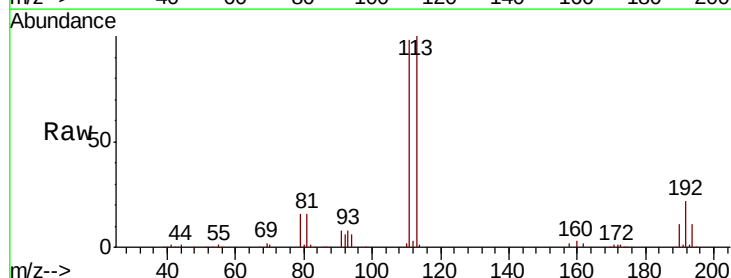
Tgt Ion:113 Resp: 160881

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

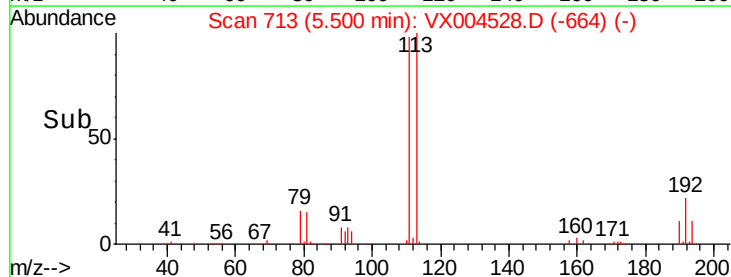
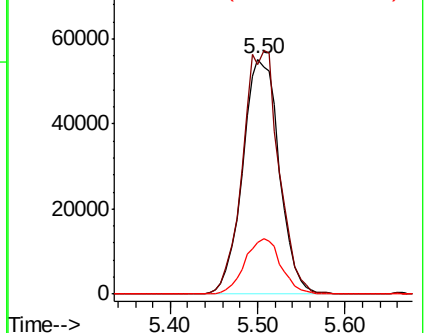
192 23.2 19.4 29.2

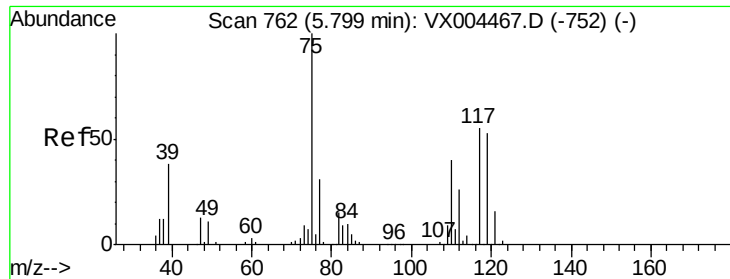


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

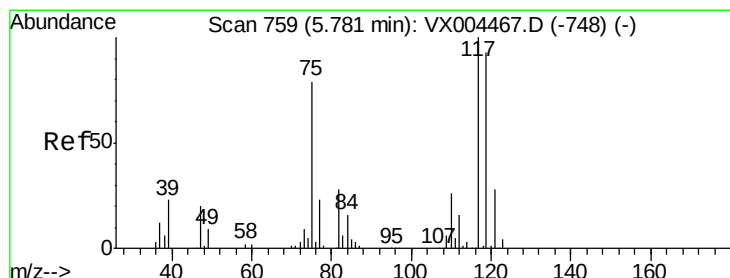
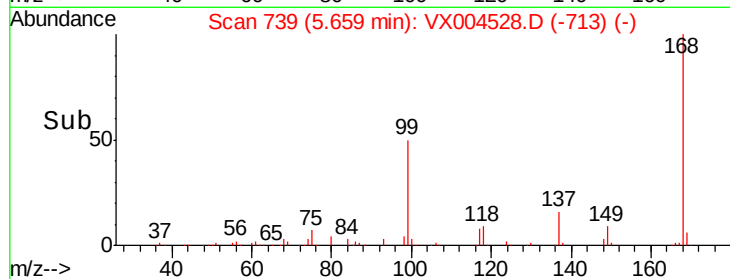
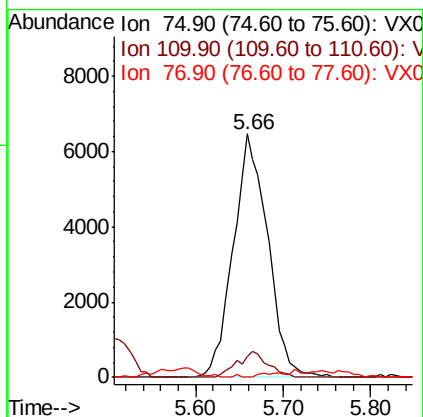
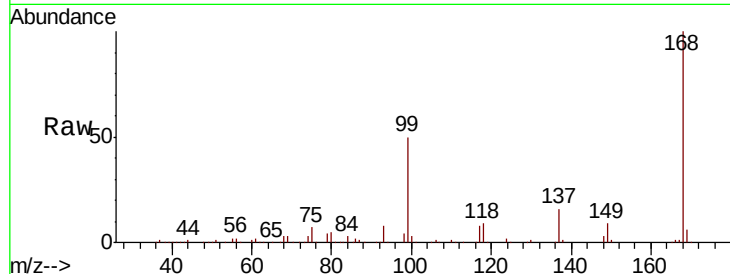




#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004528.D
 Acq: 13 Sep 2018 20:35

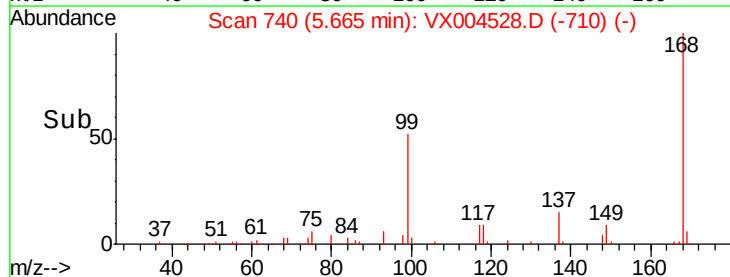
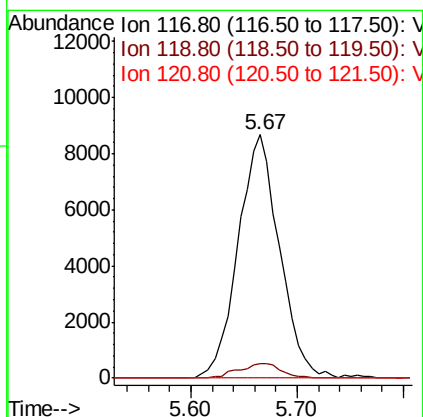
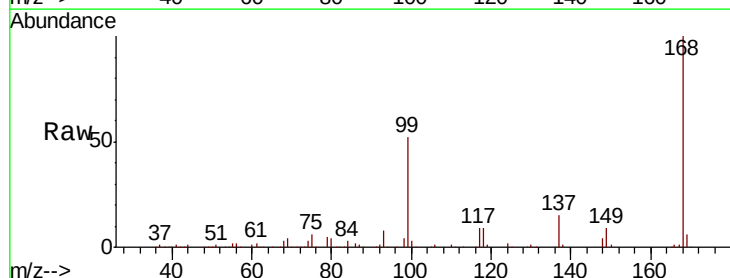
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-02-091218

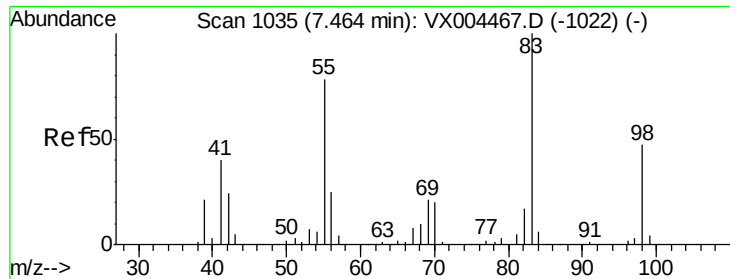
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.0	54.0#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.46 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004528.D
 Acq: 13 Sep 2018 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.8	118.2#
121	0.0	24.9	37.3#

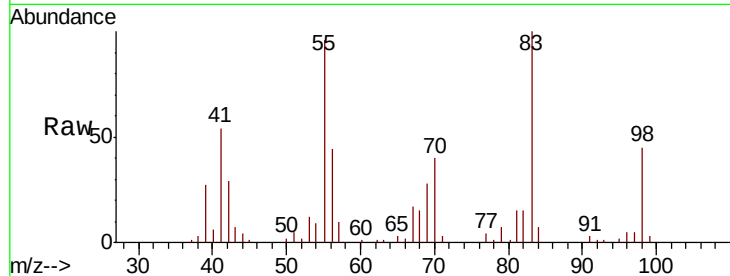




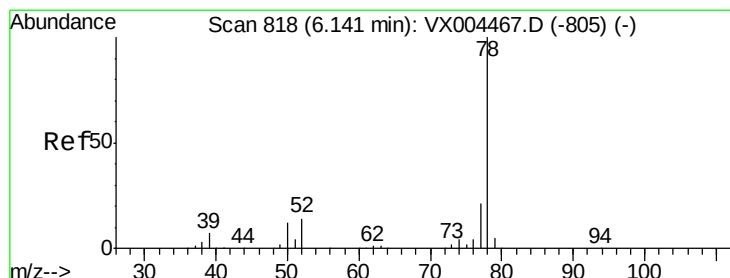
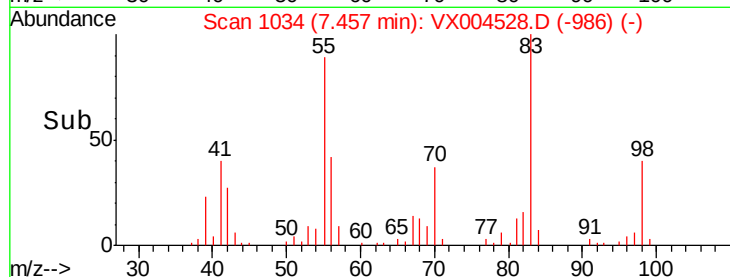
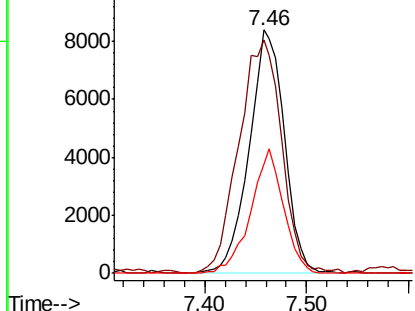
#39
Methvlcvclohexane
Concen: 4.38 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-02-091218

Tot Ion: 83 Resp: 20191
Ion Ratio Lower Upper
83 100
55 95.8 61.0 91.4#
98 45.0 39.6 59.4

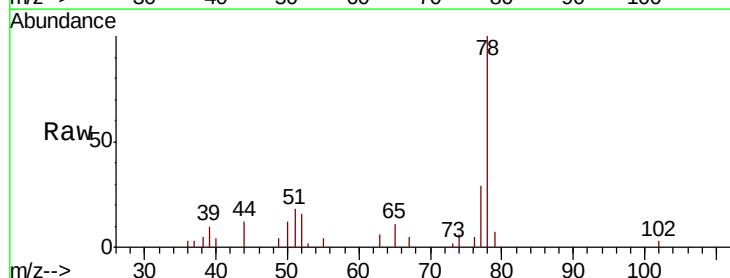


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

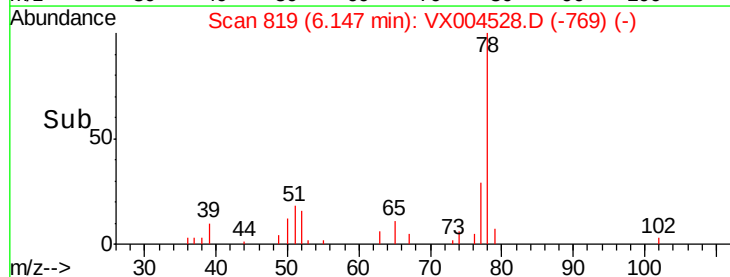
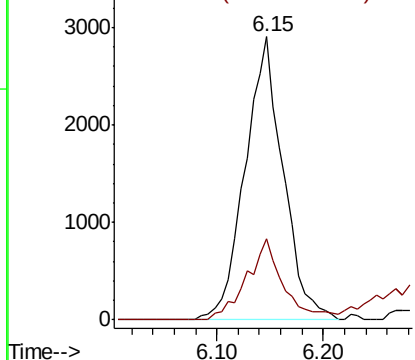


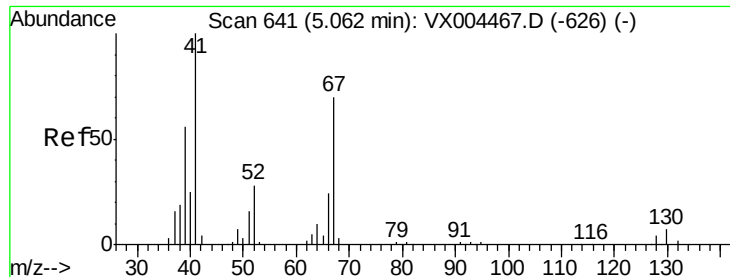
#40
Benzene
Concen: 0.56 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

Tgt Ion: 78 Resp: 7289
Ion Ratio Lower Upper
78 100
77 28.8 19.0 28.4#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

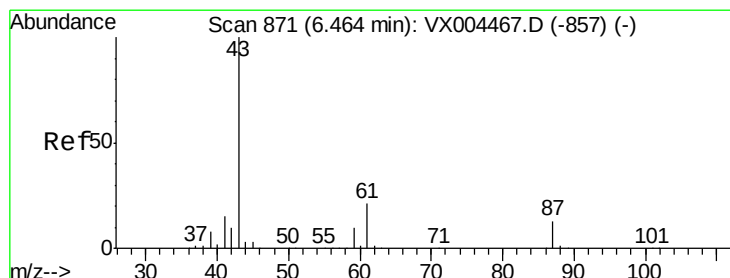
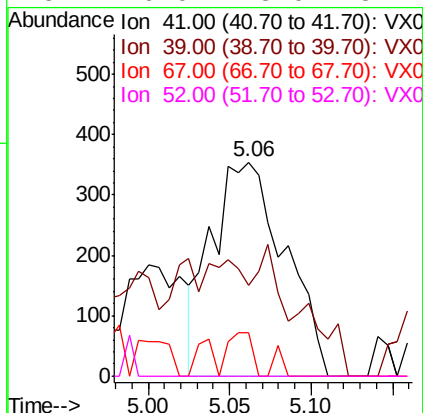
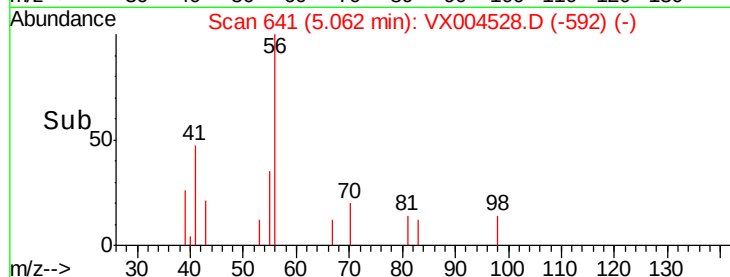
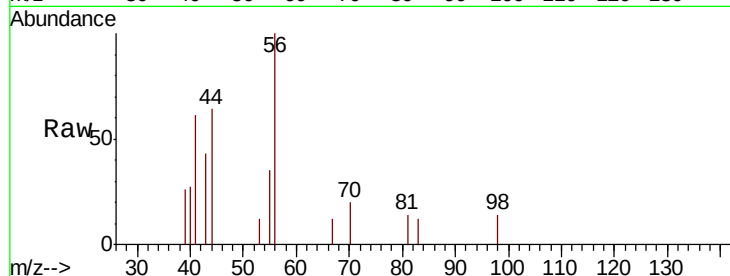




#41
Methacrylonitrile
Concen: 0.40 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

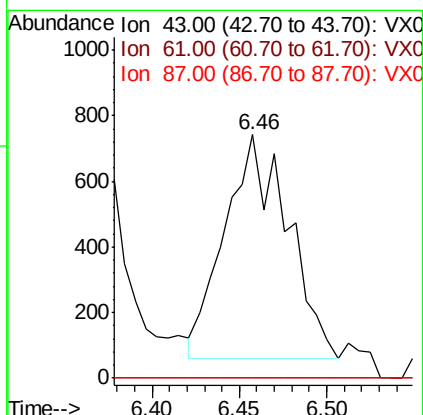
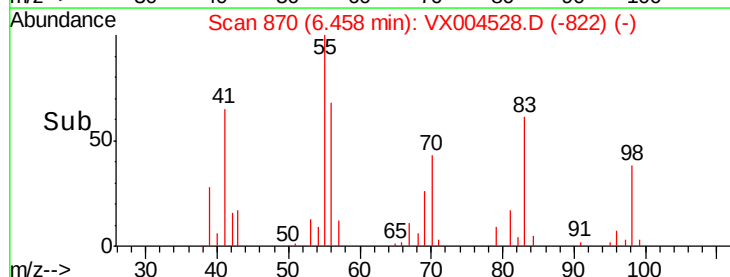
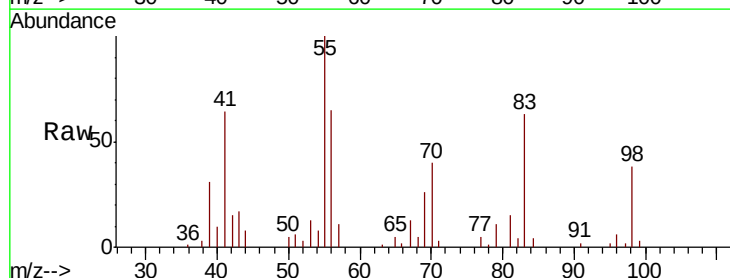
Instrument :
MSVOA_X
ClientSampled :
PR-MW-02-091218

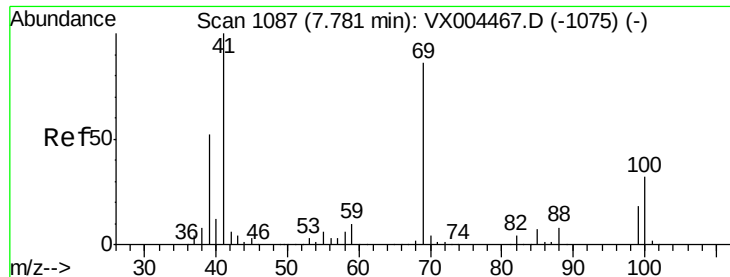
Tot Ion:	41	Resp:	1106
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.4	63.6#
67	0.0	59.2	88.8#
52	0.0	23.0	34.4#



#43
Isopropyl Acetate
Concen: 0.26 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

Tgt Ion:	43	Resp:	1716
Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.0	25.4#
87	0.0	11.4	17.2#

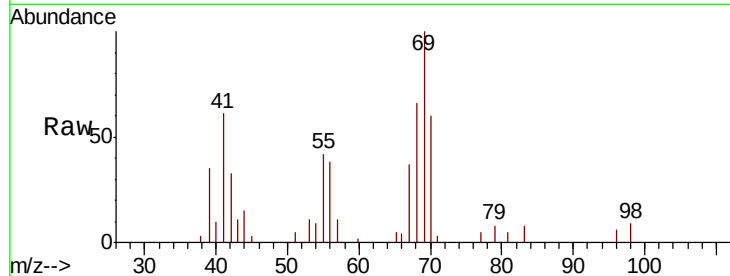




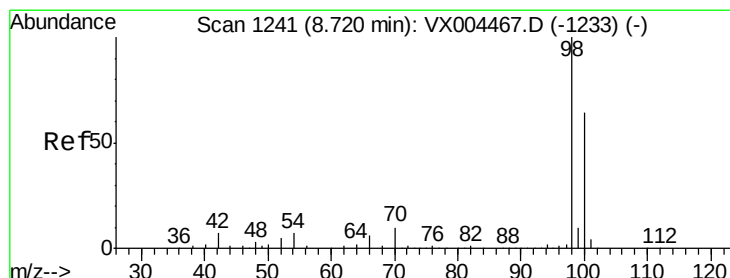
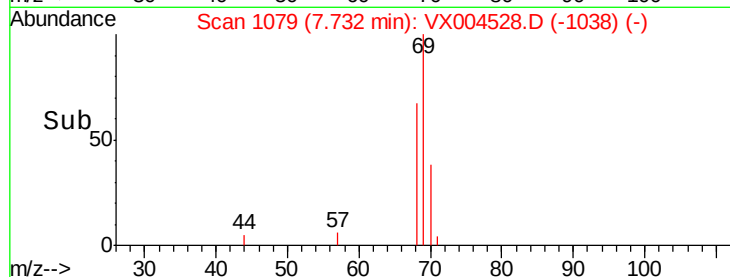
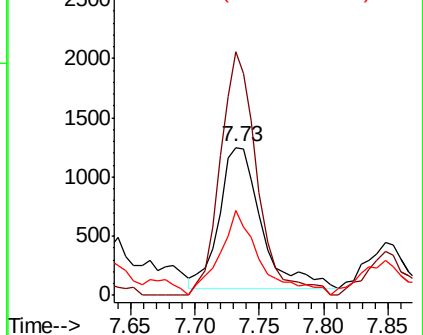
#48
Methvl methacrylate
Concen: 0.83 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.05 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-02-091218

Tot Ion: 41 Resp: 2745
Ion Ratio Lower Upper
41 100
69 150.9 70.2 105.4#
39 57.0 42.7 64.1

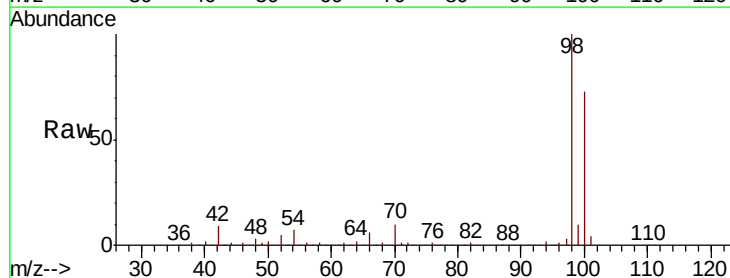


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

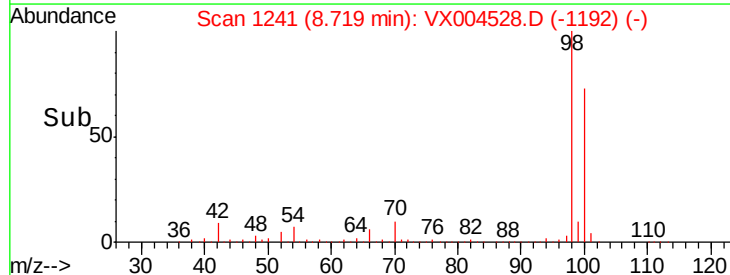
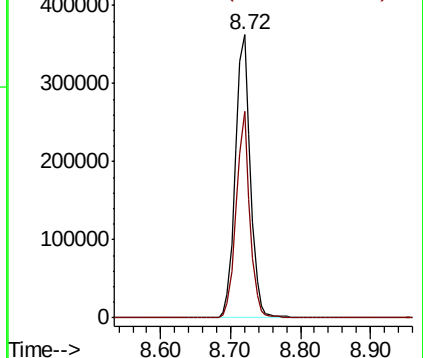


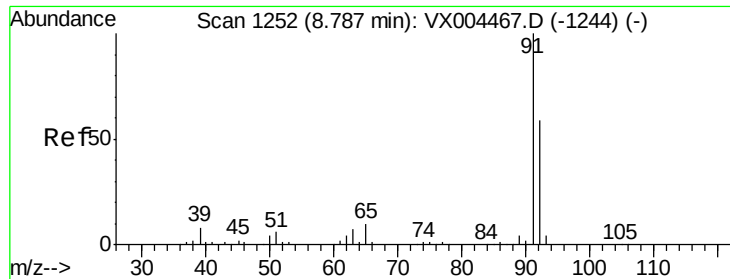
#50
Toluene-d8
Concen: 48.58 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

Tgt Ion: 98 Resp: 543062
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.45 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

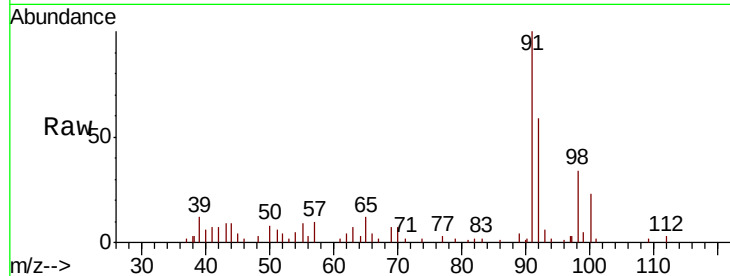
PR-MW-02-091218

Tot Ion: 92 Resp: 3517

Ion Ratio Lower Upper

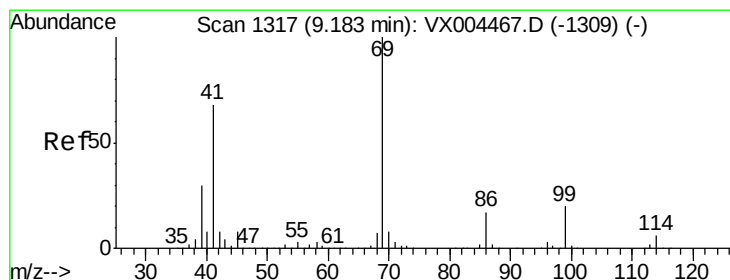
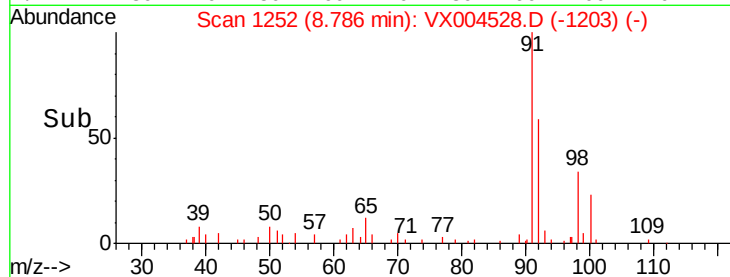
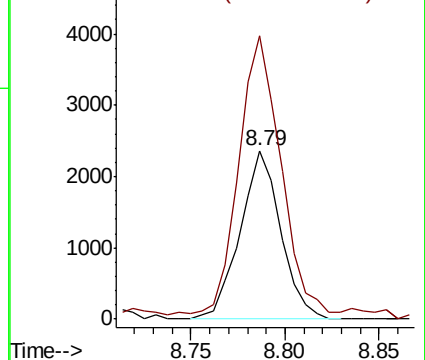
92 100

91 168.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#56

Ethyl methacrylate

Concen: 0.25 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

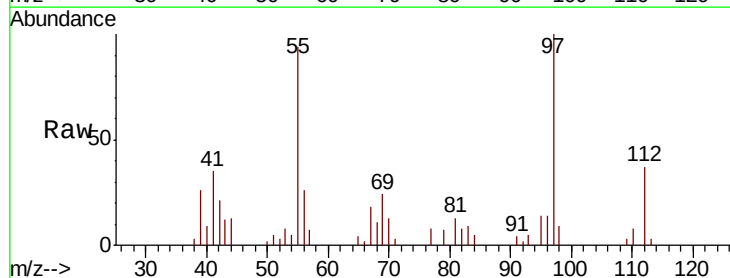
Tgt Ion: 69 Resp: 1164

Ion Ratio Lower Upper

69 100

41 152.2 51.0 76.4#

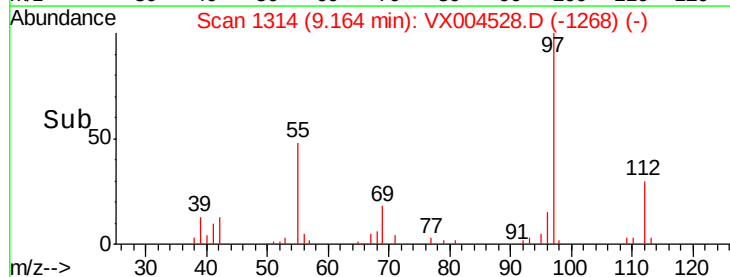
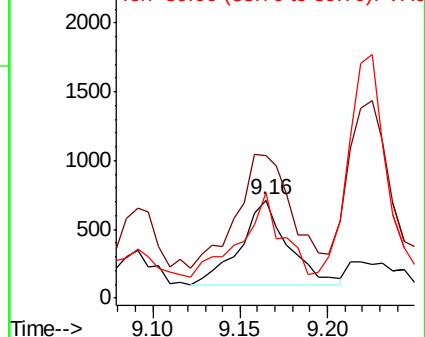
39 83.9 26.1 39.1#

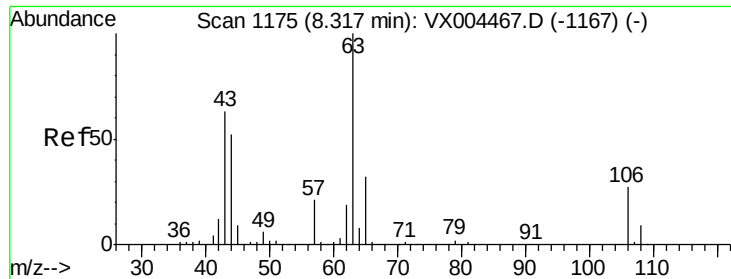


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

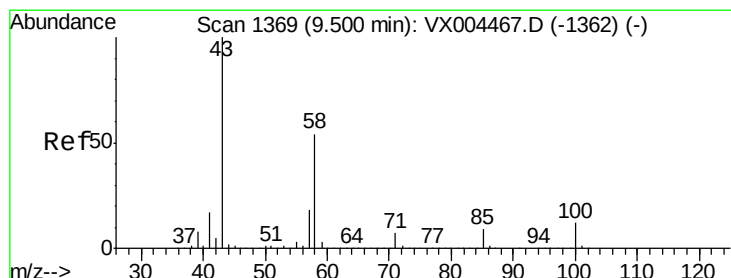
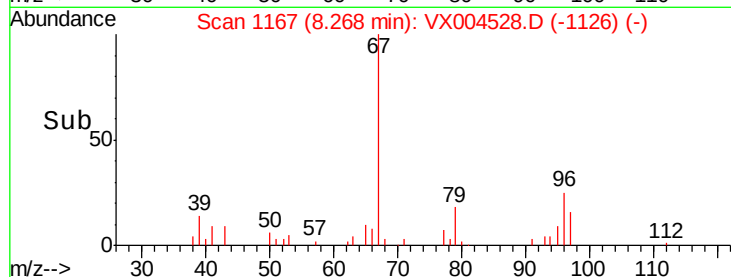
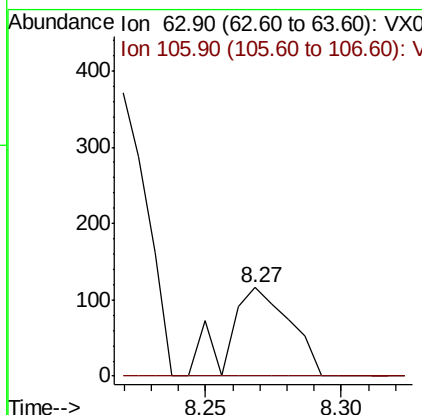
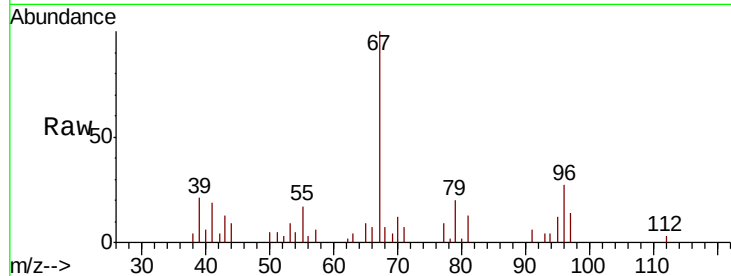




#58
2-Chloroethyl Vinyl ether
Concen: 7.35 ug/l
RT: 8.27 min Scan# 1167
Delta R.T. -0.05 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

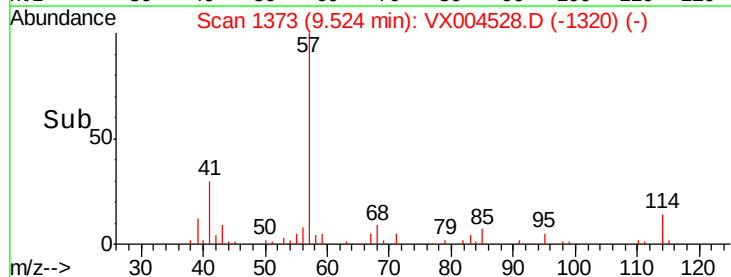
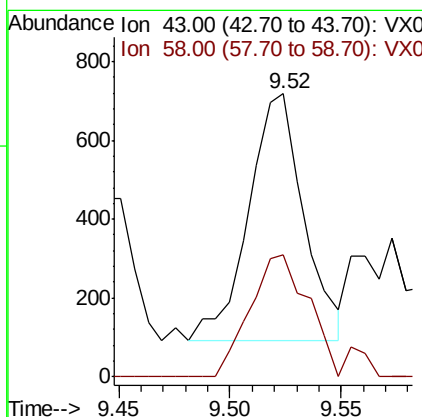
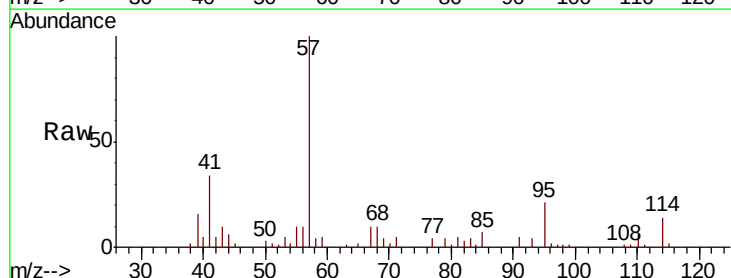
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-02-091218

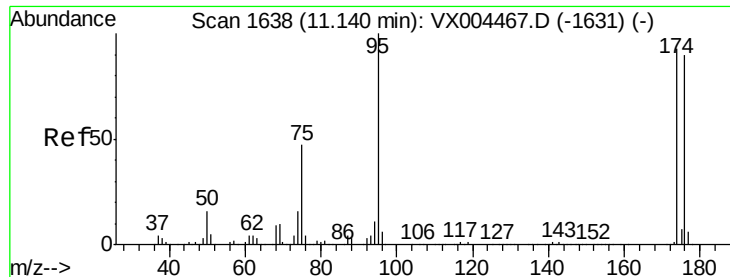
Tot Ion: 63 Resp: 183
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.30 ug/l
RT: 9.52 min Scan# 1373
Delta R.T. 0.02 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
58 51.9 29.0 87.0





#62

4-Bromofluorobenzene

Concen: 50.17 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-02-091218

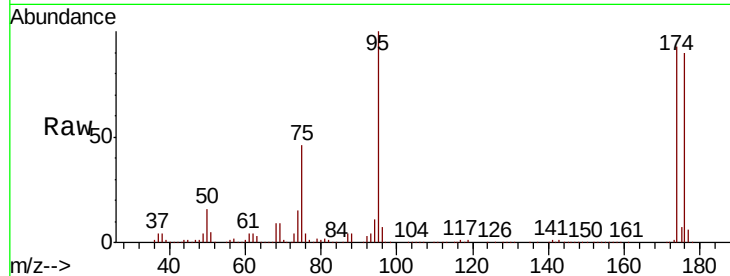
Tot Ion: 95 Resp: 200197

Ion Ratio Lower Upper

95 100

174 91.0 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

200000

150000

100000

50000

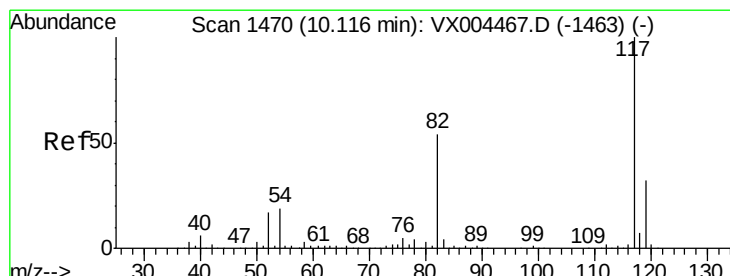
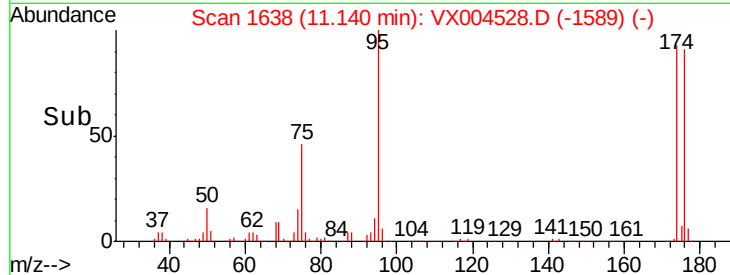
0

11.14

11.10

11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

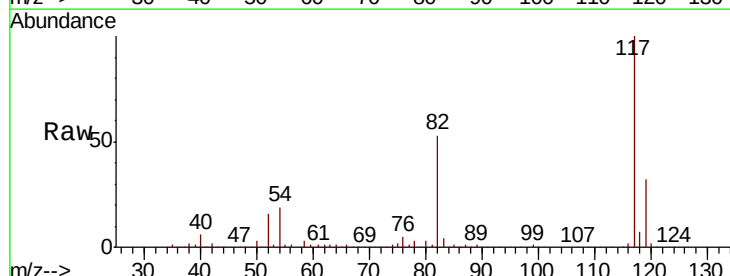
Tgt Ion: 117 Resp: 352138

Ion Ratio Lower Upper

117 100

82 53.3 47.8 71.6

119 32.0 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

300000

200000

100000

0

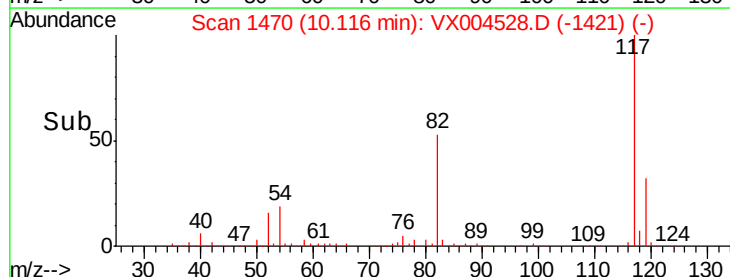
10.12

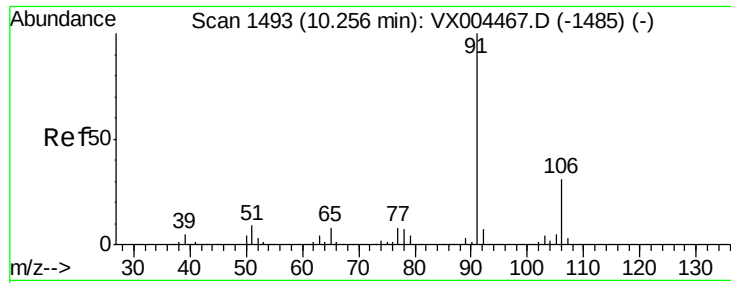
10.10

10.20

10.30

Time-->





#67

Ethyl Benzene

Concen: 1.63 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

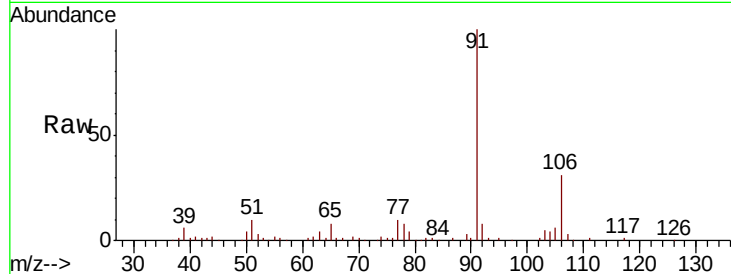
PR-MW-02-091218

Tot Ion: 91 Resp: 23215

Ion Ratio Lower Upper

91 100

106 30.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004467.D (-1485) (-)

10.26

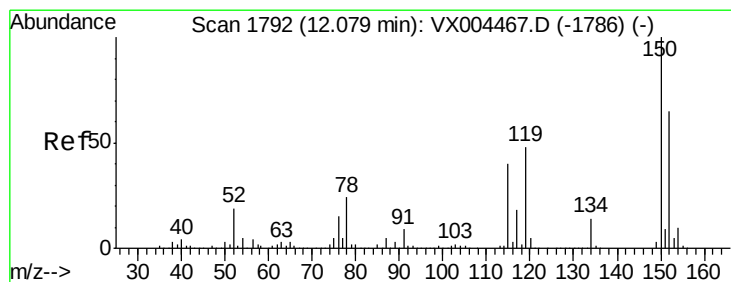
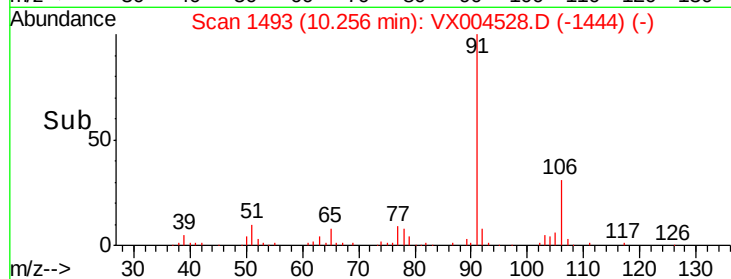
15000

10000

5000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

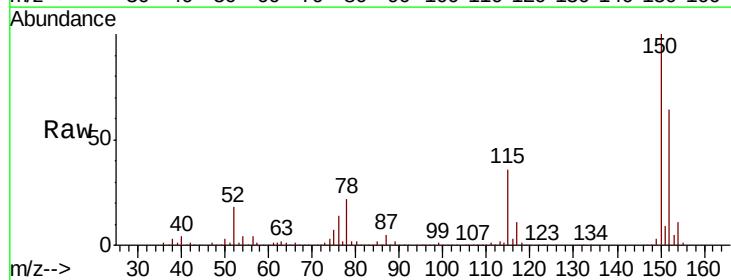
Tgt Ion: 152 Resp: 200730

Ion Ratio Lower Upper

152 100

115 55.3 39.0 117.0

150 156.8 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): VX004467.D (-1786) (-)

Ion 114.90 (114.60 to 115.60): VX004467.D (-1786) (-)

Ion 149.90 (149.60 to 150.60): VX004467.D (-1786) (-)

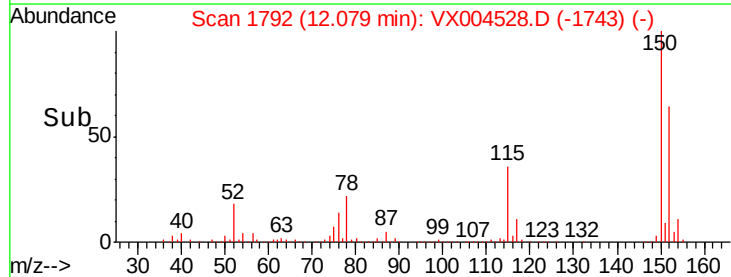
300000

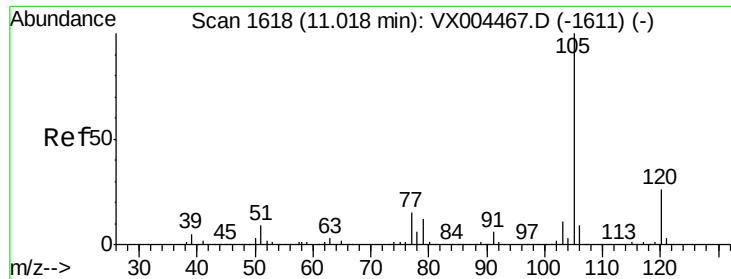
200000

100000

0

Time-->





#73

Isopropylbenzene

Concen: 53.99 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

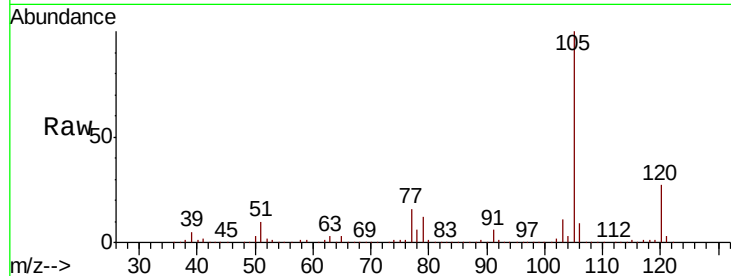
PR-MW-02-091218

Tot Ion:105 Resp: 713701

Ion Ratio Lower Upper

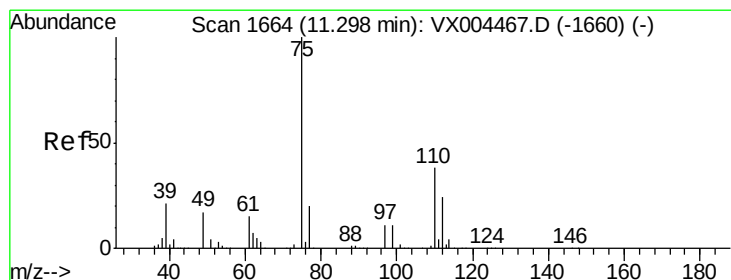
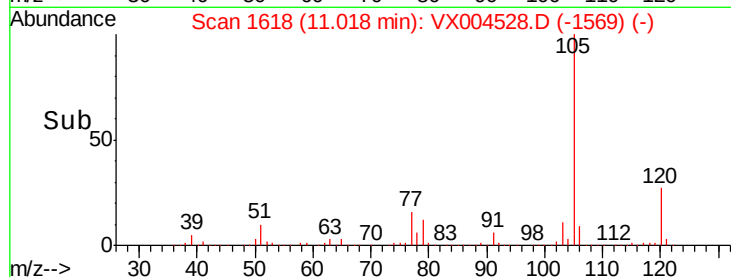
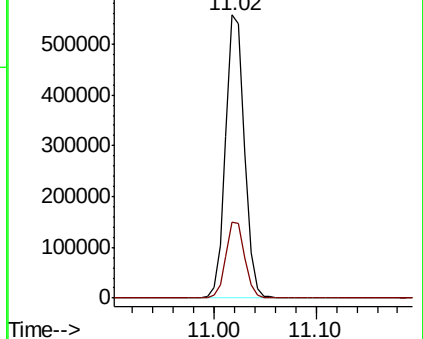
105 100

120 26.7 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: 23.29 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004528.D

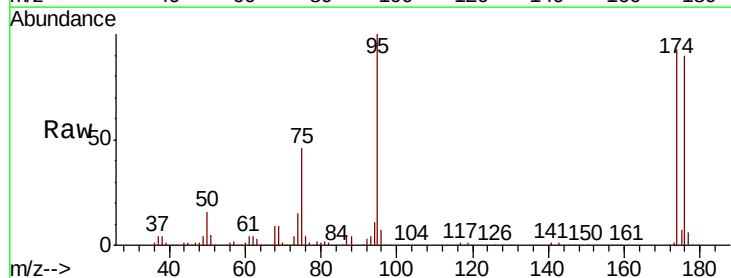
Acq: 13 Sep 2018 20:35

Tgt Ion: 75 Resp: 94069

Ion Ratio Lower Upper

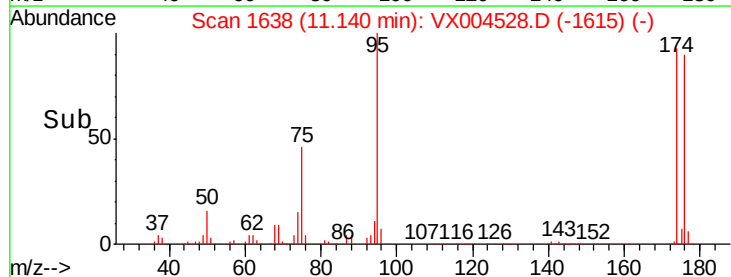
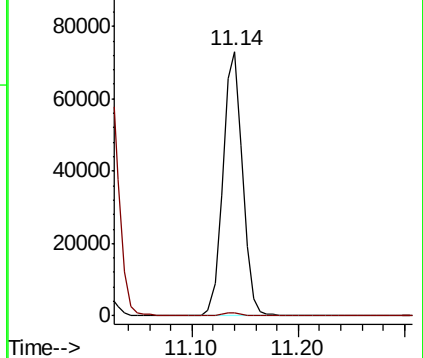
75 100

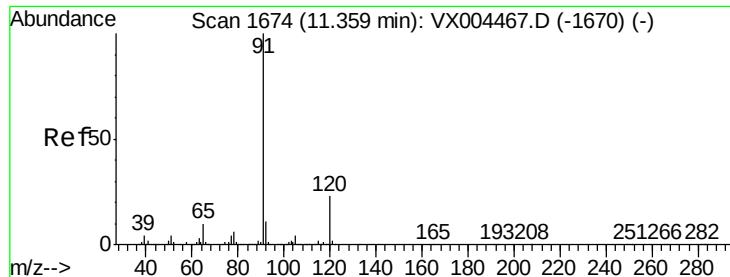
77 0.0 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

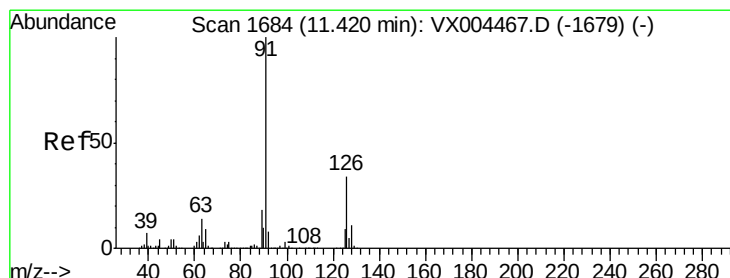
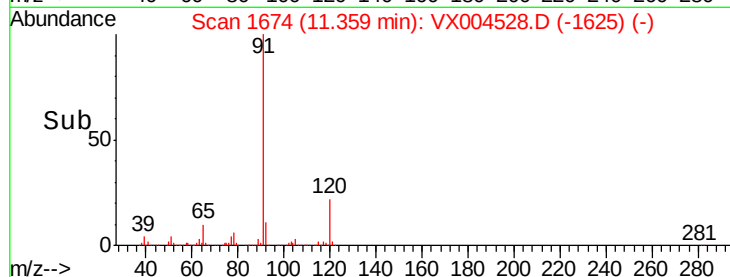
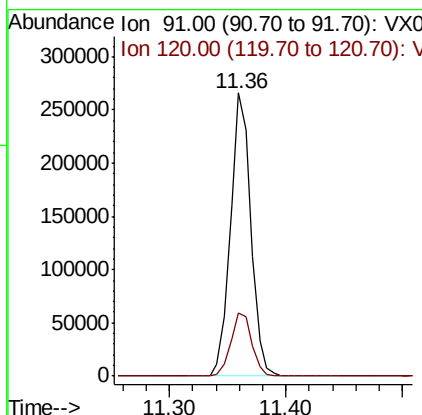
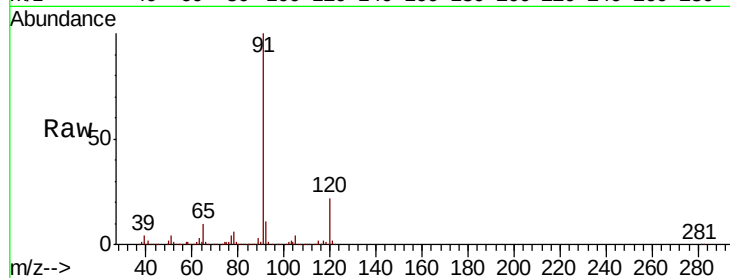




#78
n-propylbenzene
Concen: 21.33 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

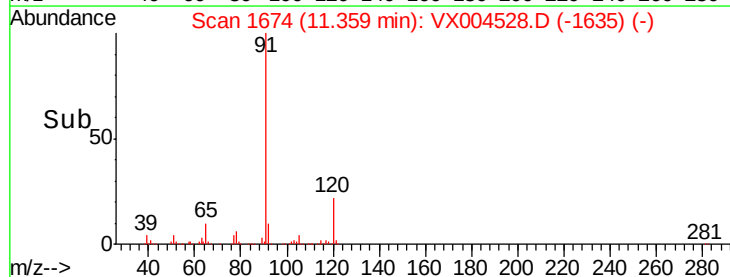
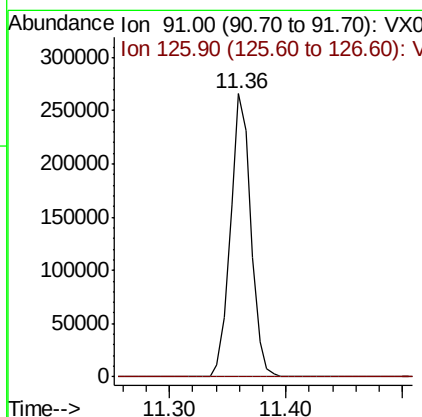
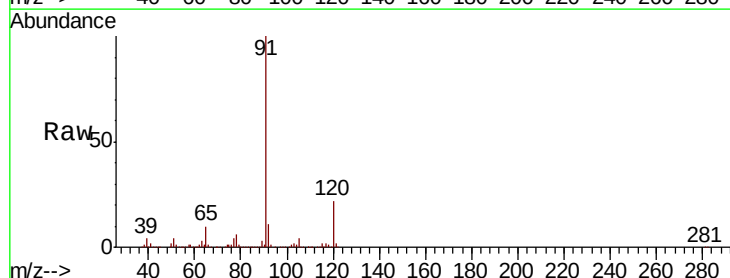
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-02-091218

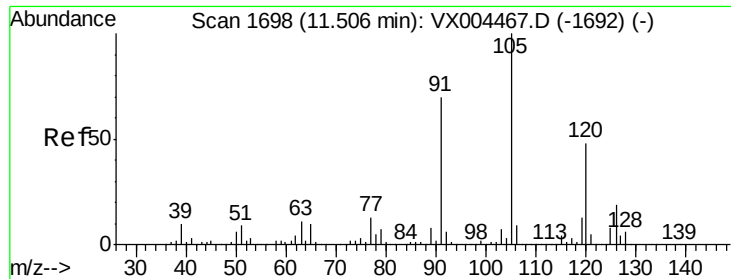
Tot Ion: 91 Resp: 324202
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.9



#79
2-Chlorotoluene
Concen: 35.17 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.06 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

Tgt Ion: 91 Resp: 324202
Ion Ratio Lower Upper
91 100
126 0.0 17.9 53.7#

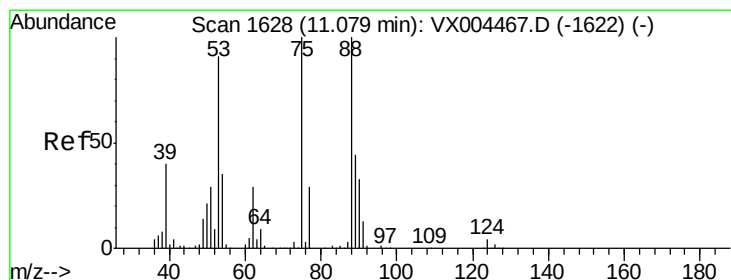
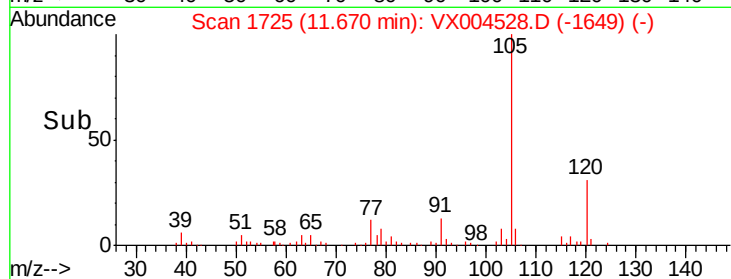
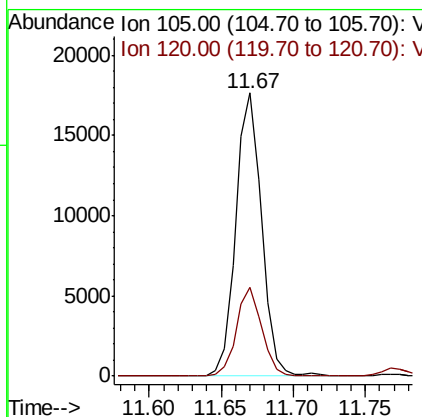
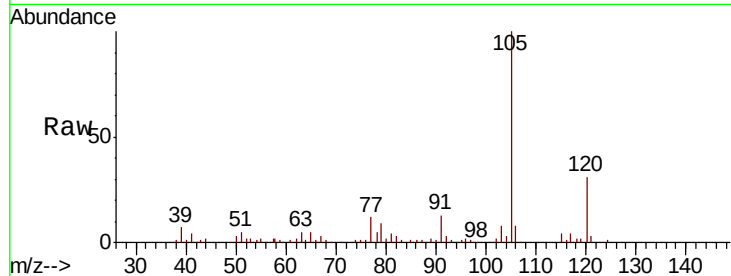




#80
 1,3,5-Trimethylbenzene
 Concen: 1.99 ug/l
 RT: 11.67 min Scan# 1725
 Delta R.T. 0.16 min
 Lab File: VX004528.D
 Acq: 13 Sep 2018 20:35

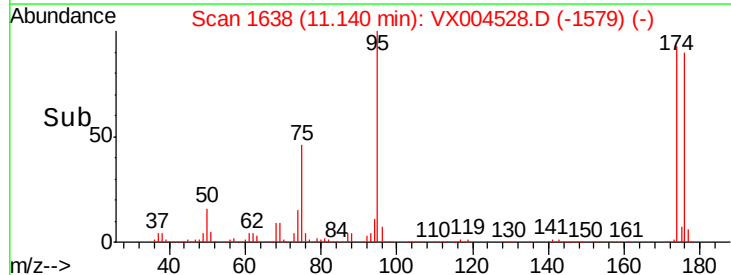
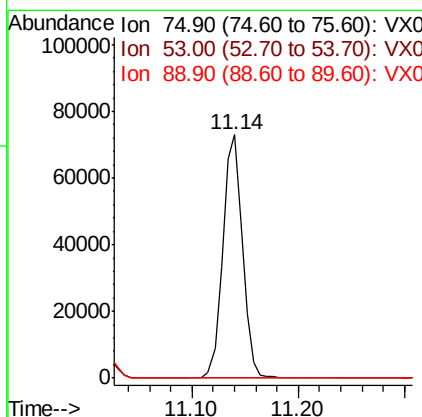
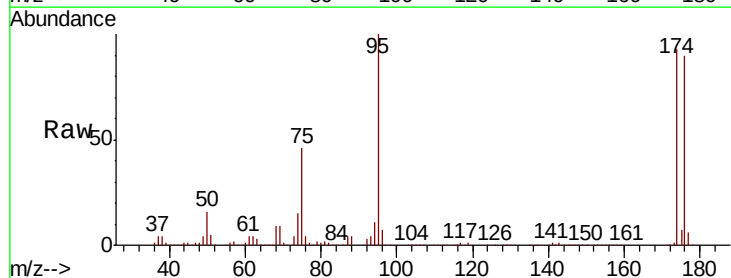
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-02-091218

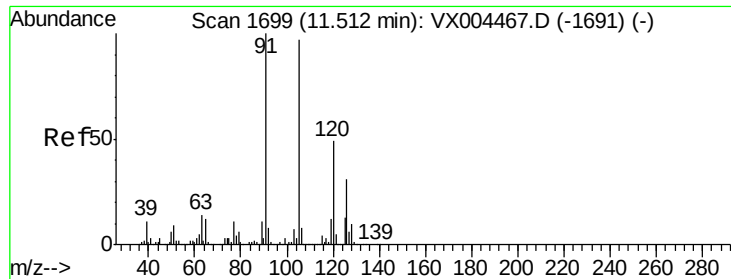
Tot Ion:105 Resp: 22111
 Ion Ratio Lower Upper
 105 100
 120 30.7 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.25 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004528.D
 Acq: 13 Sep 2018 20:35

Tgt Ion: 75 Resp: 94069
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.1 120.1#
 89 0.0 37.2 55.8#

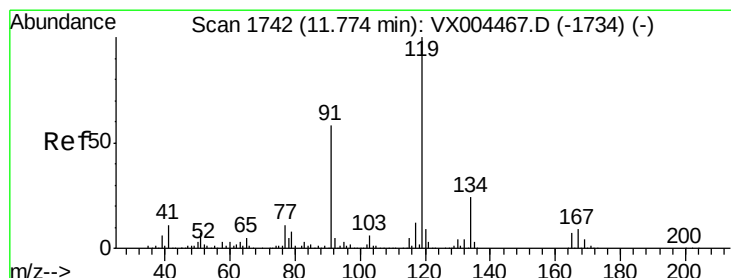
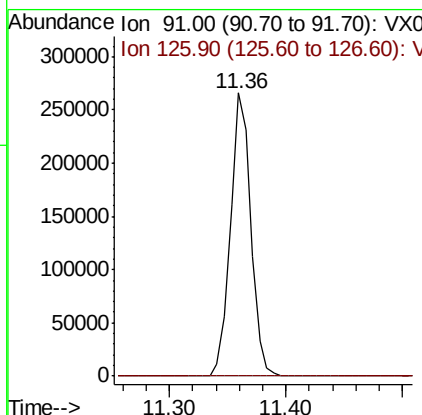
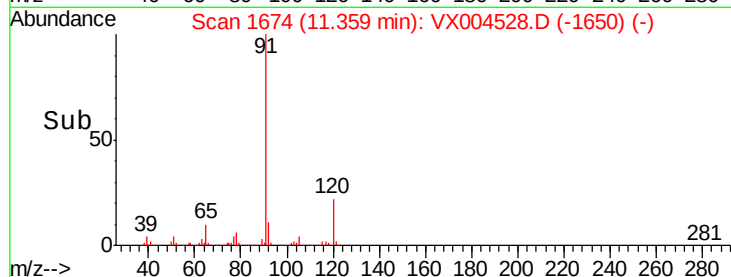
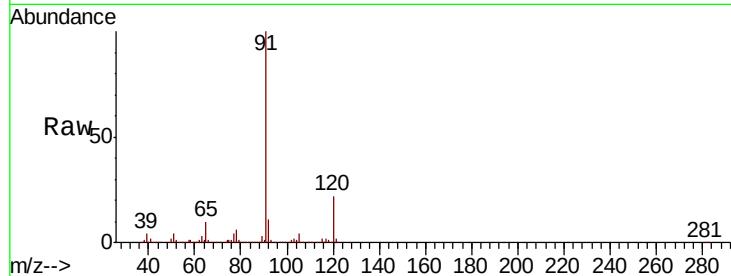




#82
4-Chlorotoluene
Concen: 30.13 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.15 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

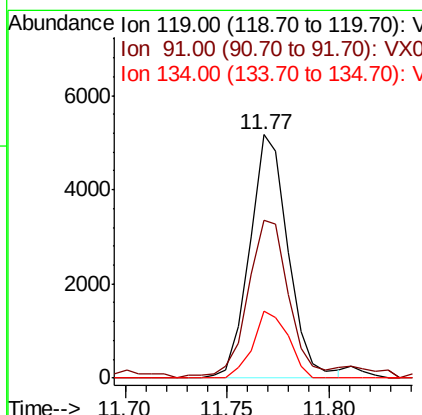
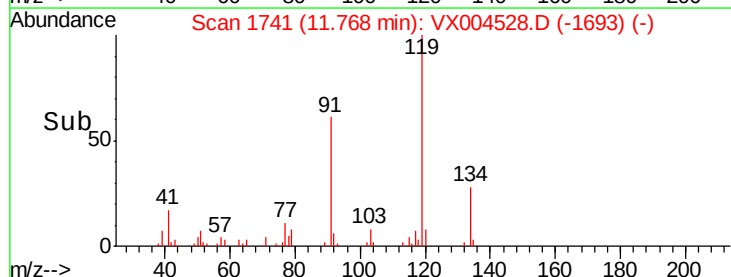
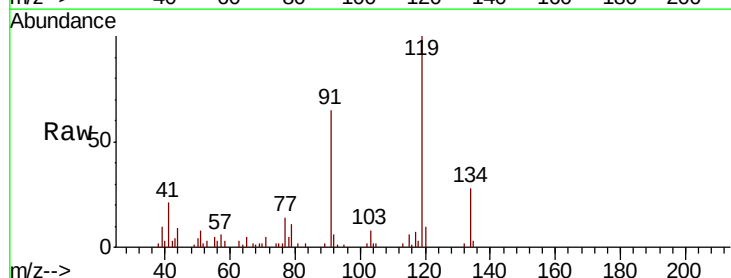
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-02-091218

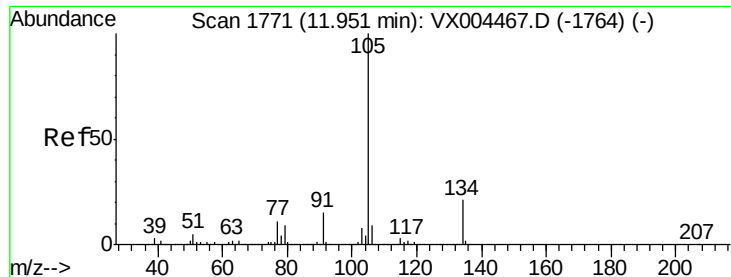
Tot Ion: 91 Resp: 324202
Ion Ratio Lower Upper
91 100
126 0.0 15.5 46.5#



#83
tert-Butylbenzene
Concen: 0.64 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

Tgt Ion: 119 Resp: 6788
Ion Ratio Lower Upper
119 100
91 69.4 27.0 81.0
134 25.3 11.7 35.1





#85

sec-Butylbenzene

Concen: 3.56 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

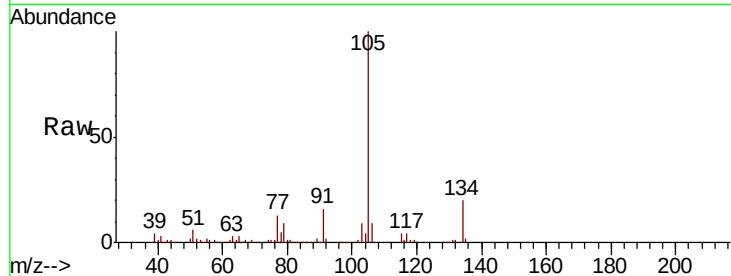
PR-MW-02-091218

Tot Ion:105 Resp: 48022

Ion Ratio Lower Upper

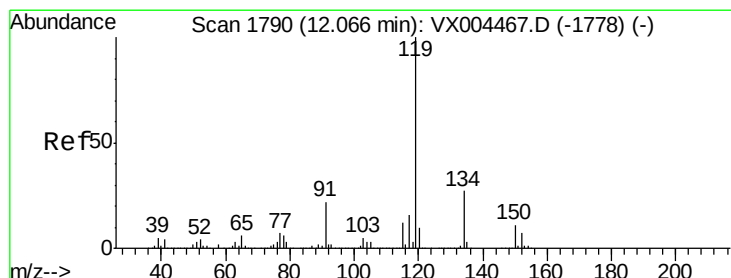
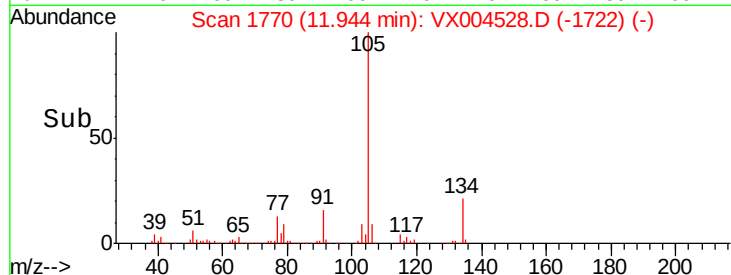
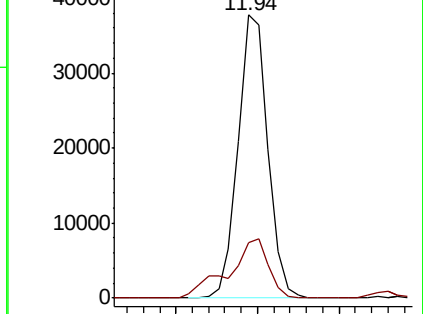
105 100

134 27.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.26 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.16 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

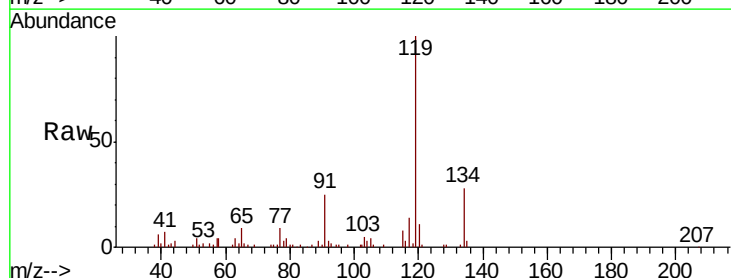
Tgt Ion:119 Resp: 15040

Ion Ratio Lower Upper

119 100

134 28.7 13.4 40.2

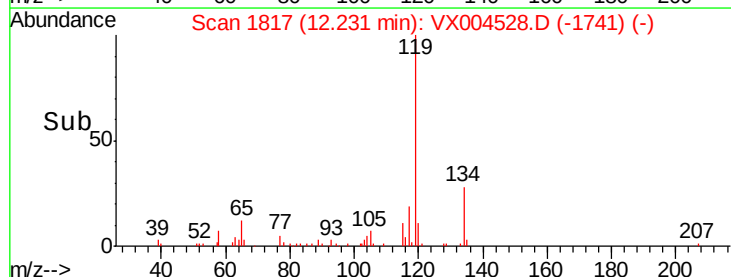
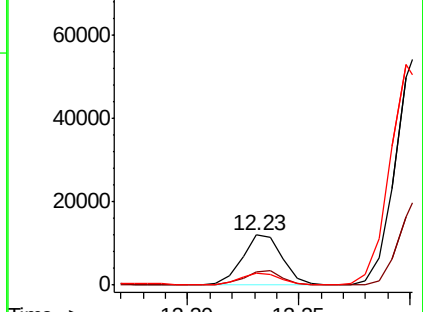
91 23.8 10.9 32.7

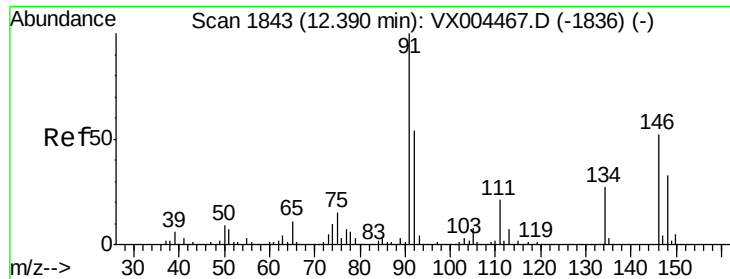


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

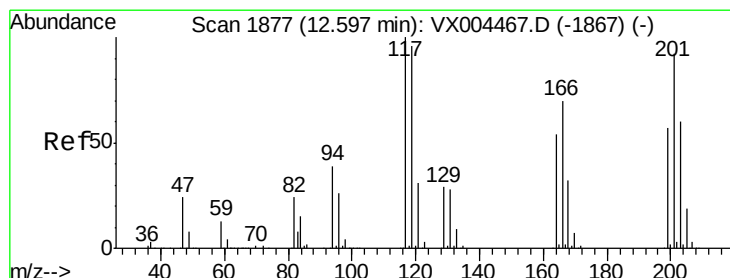
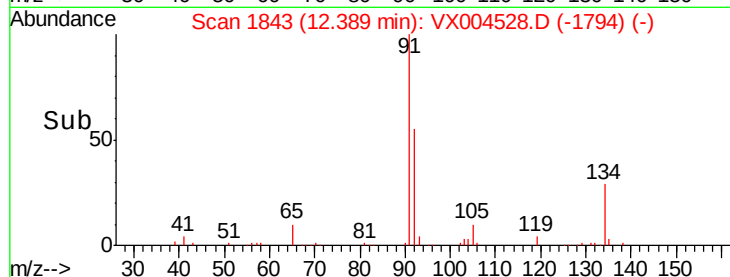
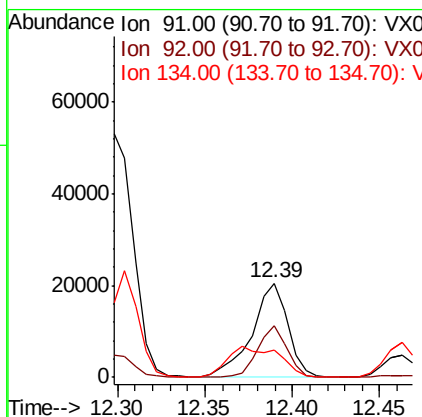
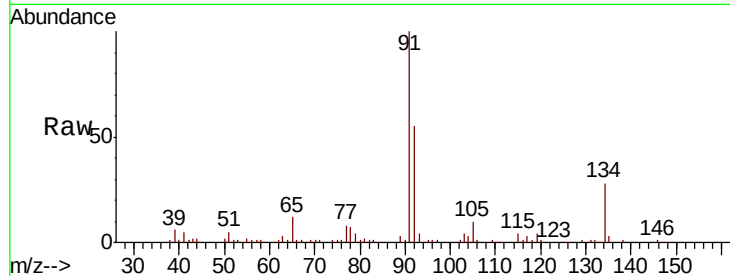




#89
n-Butylbenzene
Concen: 2.68 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

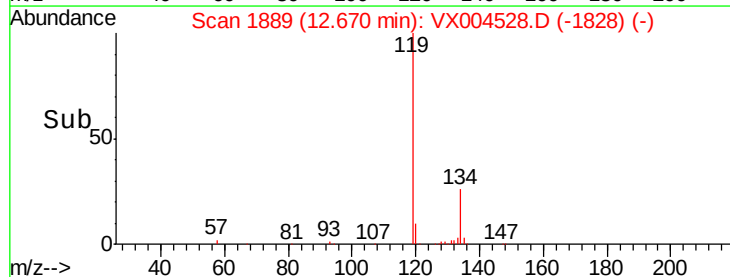
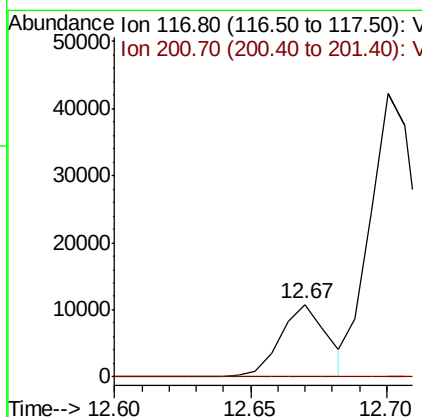
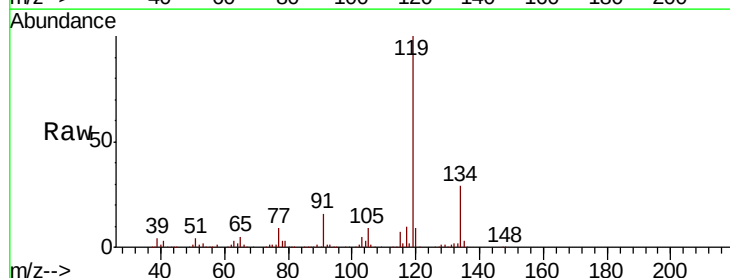
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-02-091218

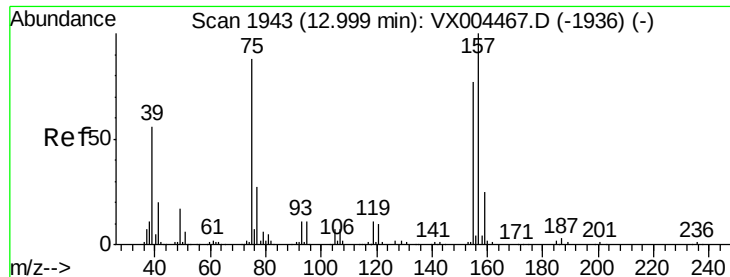
Tot Ion: 91 Resp: 29098
Ion Ratio Lower Upper
91 100
92 45.6 27.3 81.9
134 47.3 13.6 40.7#



#90
Hexachloroethane
Concen: 6.72 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX004528.D
Acq: 13 Sep 2018 20:35

Tgt Ion: 117 Resp: 12814
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.94 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-02-091218

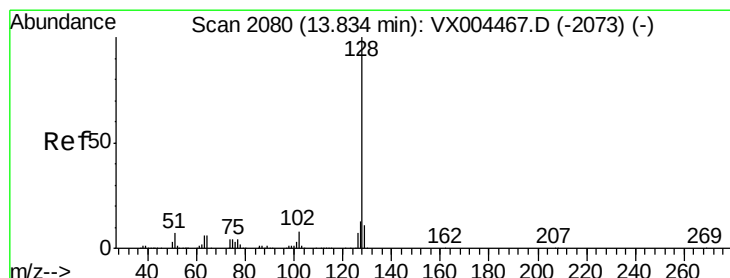
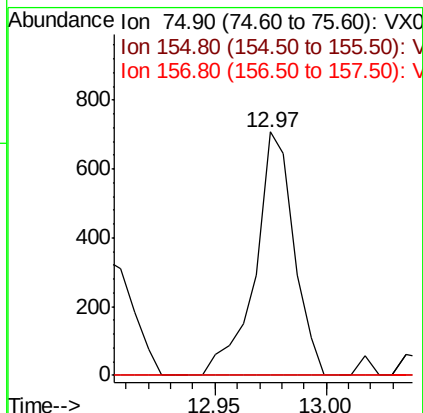
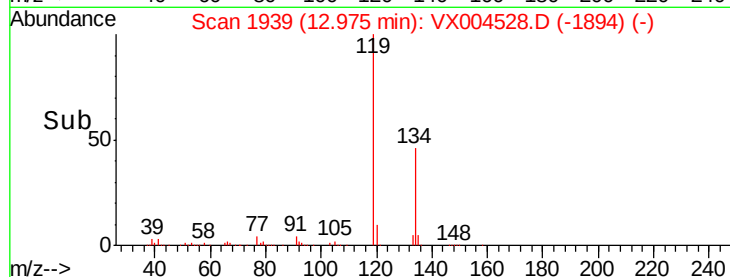
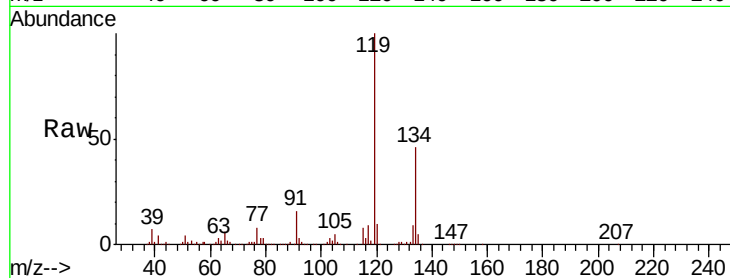
Tot Ion: 75 Resp: 856

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

157 0.0 61.4 184.1#



#95

Naphthalene

Concen: 1.31 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004528.D

Acq: 13 Sep 2018 20:35

Tgt Ion: 128 Resp: 17996

Ion Ratio Lower Upper

128 100

127 18.3 10.2 15.2#

129 13.5 8.6 12.8#

