

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062252.D
 Acq On : 30 Jun 2020 20:16
 Operator : JC/MD
 Sample : L3170-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Quant Time: Jul 01 05:28:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	190458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	372719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	351030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126625	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	147928	55.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.70%	
35) Dibromofluoromethane	7.55	113	119719	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
50) Toluene-d8	10.06	98	474030	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.38	95	150195	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	

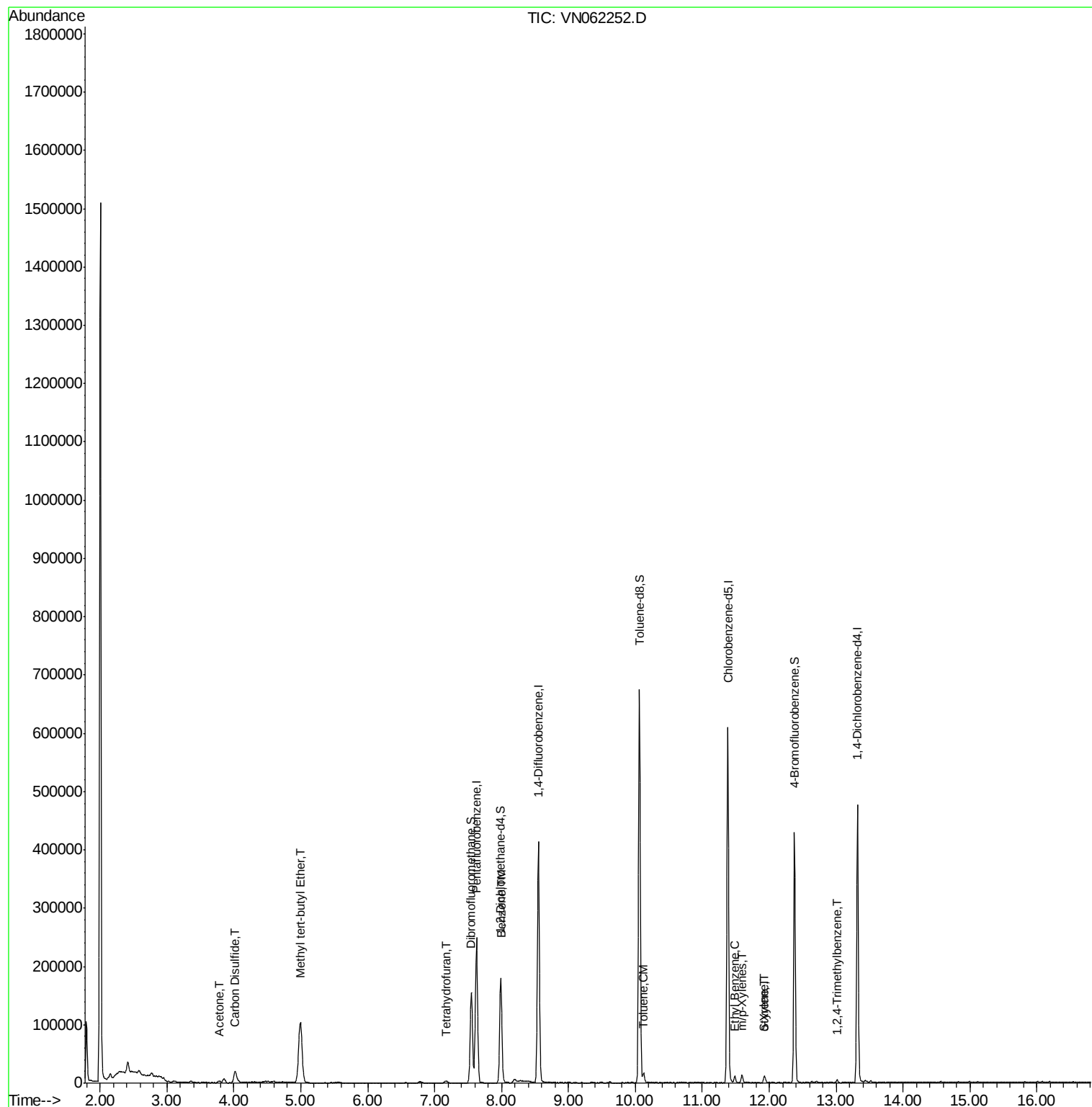
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5865	2.988	ug/l	93
17) Carbon Disulfide	4.01	76	14903	2.427	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	178560	25.552	ug/l	98
29) Tetrahydrofuran	7.18	42	2288	2.674	ug/l #	68
40) Benzene	8.00	78	5622	0.492	ug/l #	90
52) Toluene	10.13	92	6363	0.913	ug/l	98
67) Ethyl Benzene	11.48	91	8589	0.660	ug/l	98
68) m/p-Xylenes	11.59	106	4193	0.833	ug/l	77
69) o-Xylene	11.92	106	2346	0.494	ug/l	94
70) Styrene	11.94	104	3825	0.483	ug/l	94
84) 1,2,4-Trimethylbenzene	13.02	105	3050	0.384	ug/l	93

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

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Instrument :
MSVOA_N
ClientSampleId :
MW-8

Quant Time: Jul 01 05:28:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062252.D

Acq: 30 Jun 2020 20:16

Instrument :

MSVOA_N

ClientSampled :

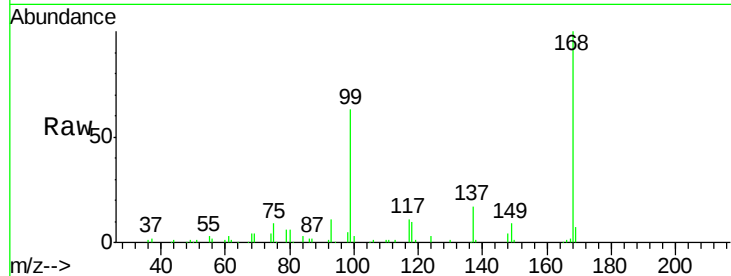
MW-8

Tot Ion:168 Resp: 190458

Ion Ratio Lower Upper

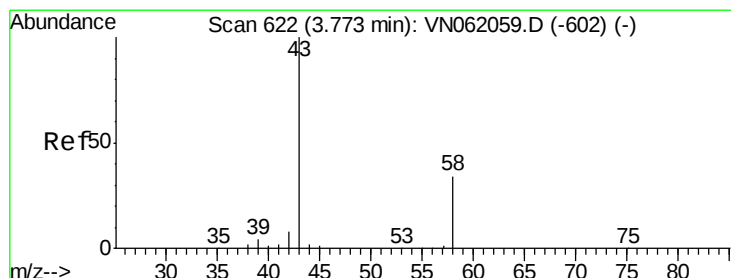
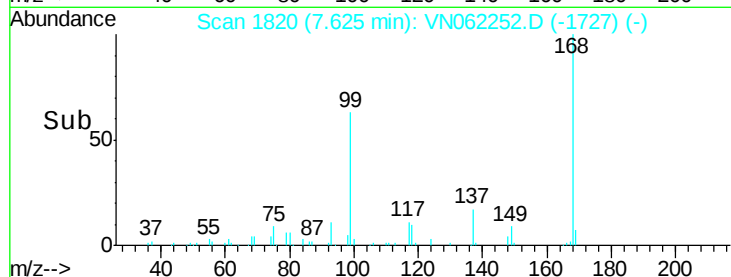
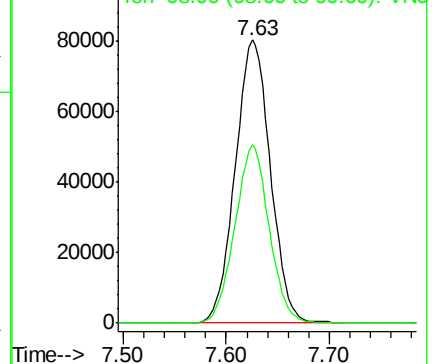
168 100

99 62.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 2.988 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062252.D

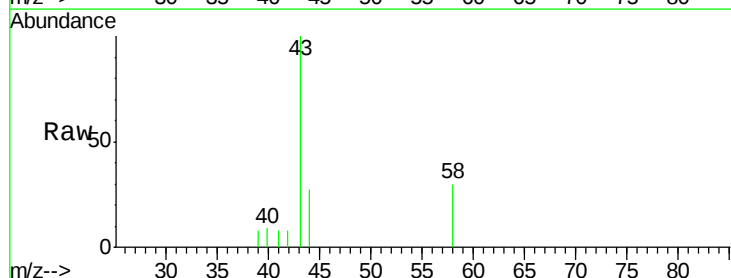
Acq: 30 Jun 2020 20:16

Tgt Ion: 43 Resp: 5865

Ion Ratio Lower Upper

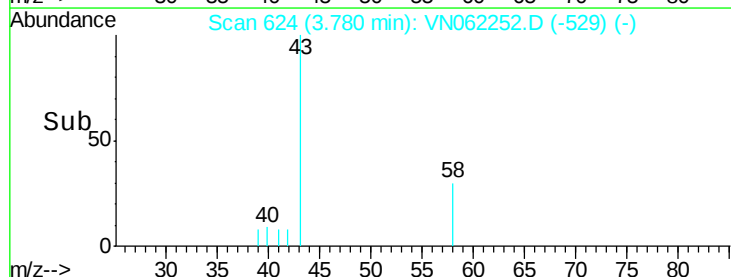
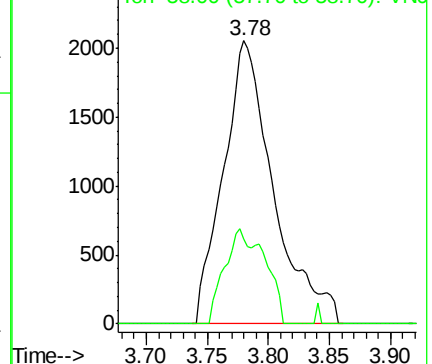
43 100

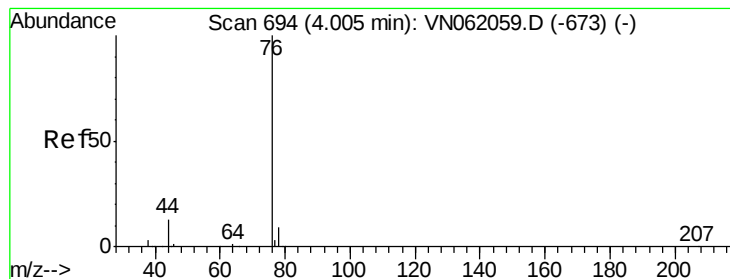
58 30.1 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 2.427 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062252.D

Acq: 30 Jun 2020 20:16

Instrument :

MSVOA_N

ClientSampled :

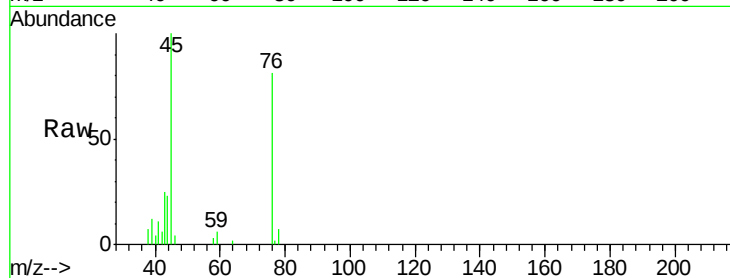
MW-8

Tot Ion: 76 Resp: 14903

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN062059.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062059.D (-673) (-)

4.01

6000

5000

4000

3000

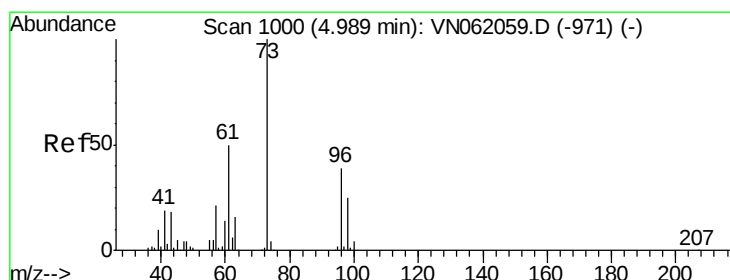
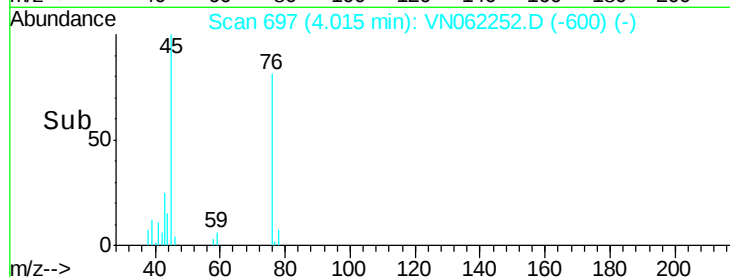
2000

1000

0

Time-->

3.95 4.00 4.05 4.10



#19

Methyl tert-butyl Ether

Concen: 25.552 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN062252.D

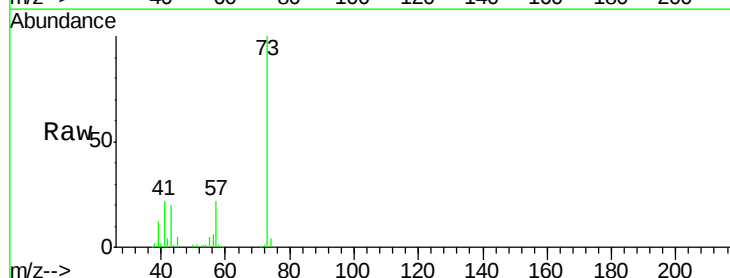
Acq: 30 Jun 2020 20:16

Tgt Ion: 73 Resp: 178560

Ion Ratio Lower Upper

73 100

57 21.8 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VN062059.D (-971) (-)

Ion 57.00 (56.70 to 57.70): VN062059.D (-971) (-)

5.00

50000

40000

30000

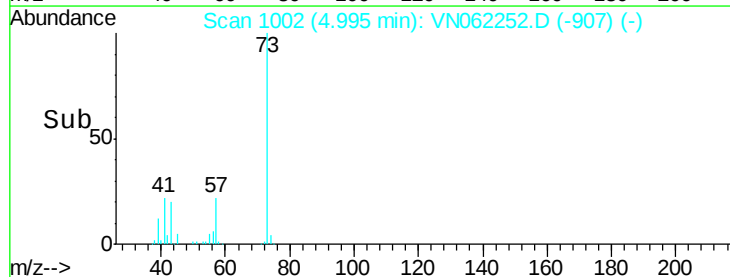
20000

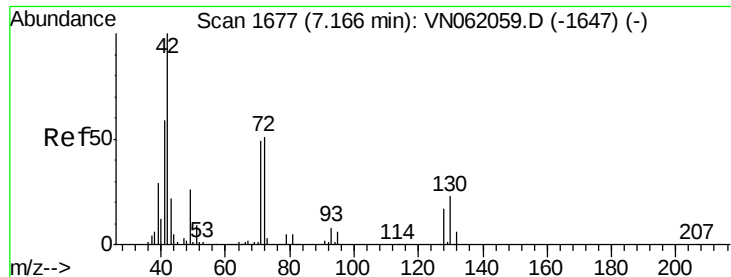
10000

0

Time-->

4.90 5.00 5.10

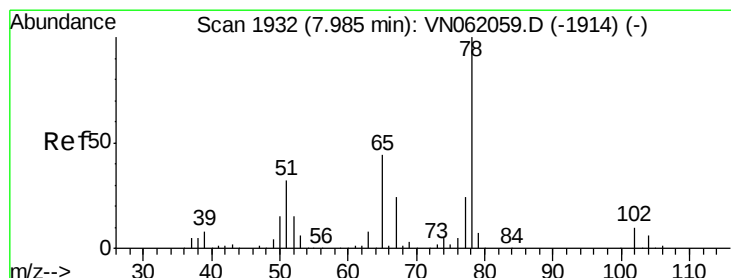
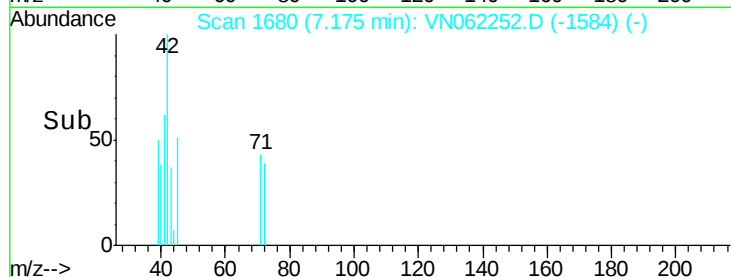
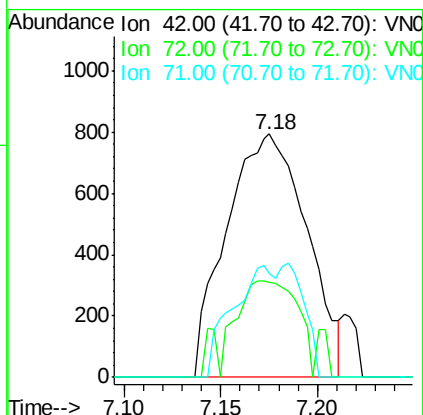
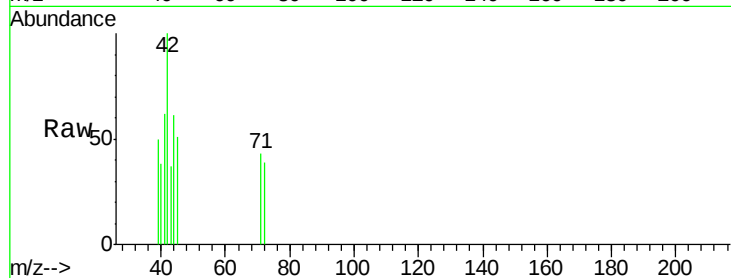




#29
Tetrahydrofuran
Concen: 2.674 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

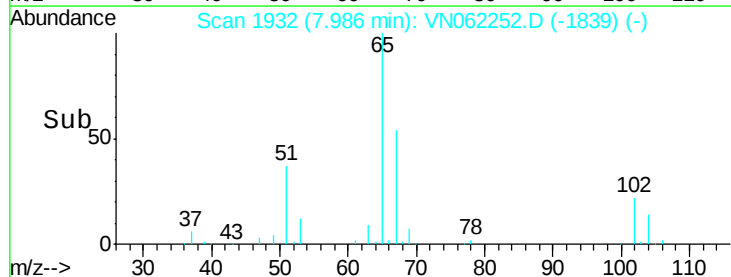
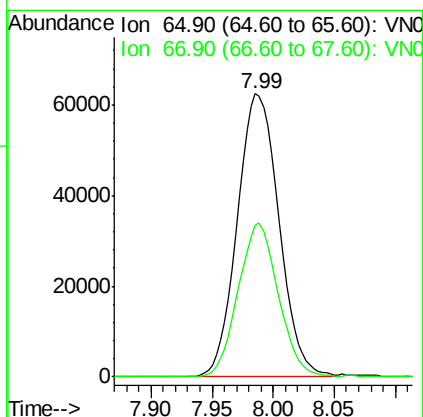
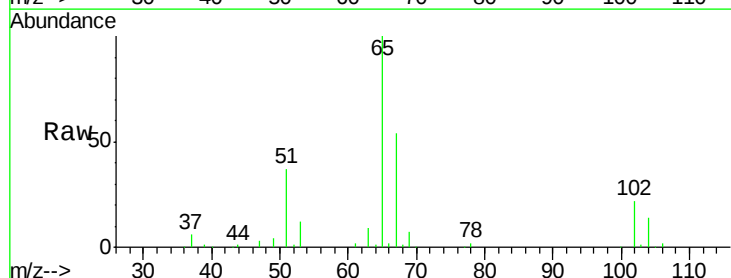
Instrument :
MSVOA_N
ClientSampled :
MW-8

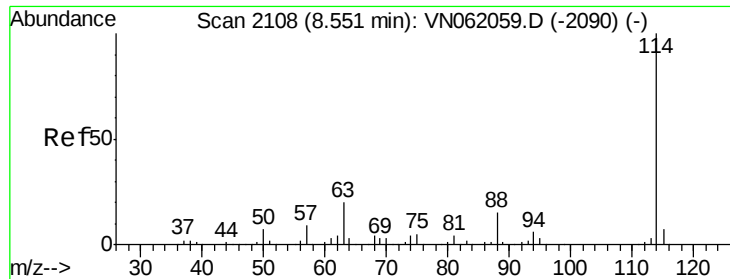
Tot Ion: 42 Resp: 2288
Ion Ratio Lower Upper
42 100
72 29.8 41.1 61.7#
71 25.0 38.2 57.4#



#33
1,2-Dichloroethane-d4
Concen: 55.346 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

Tgt Ion: 65 Resp: 147928
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2

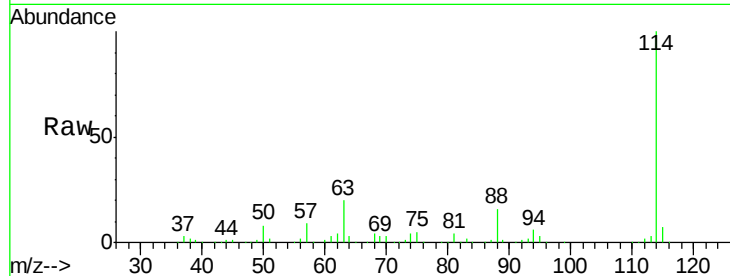




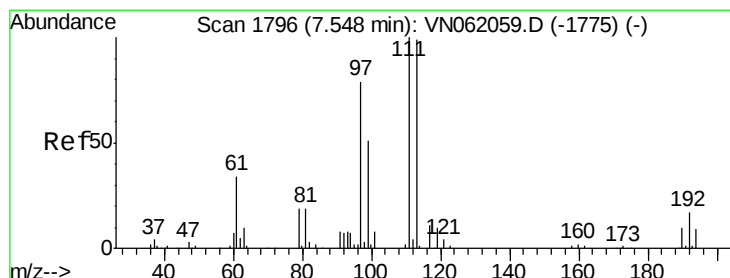
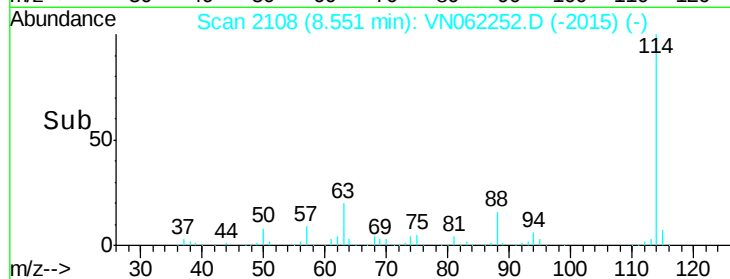
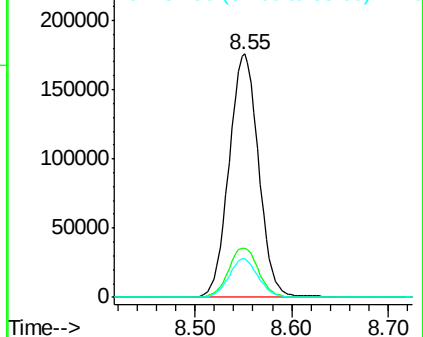
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:114 Resp: 372719
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.2
88 16.1 0.0 30.8

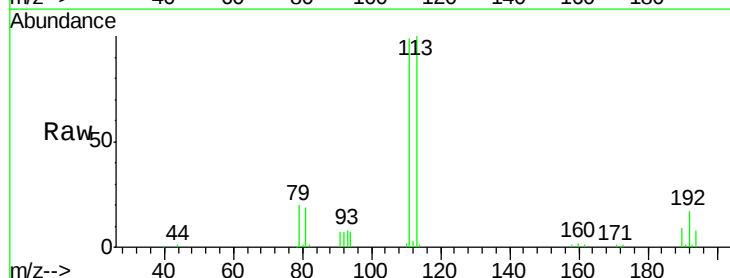


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

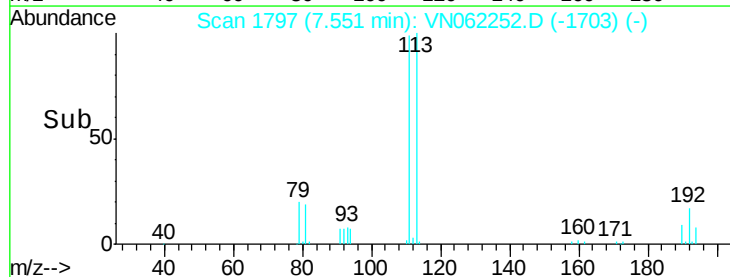
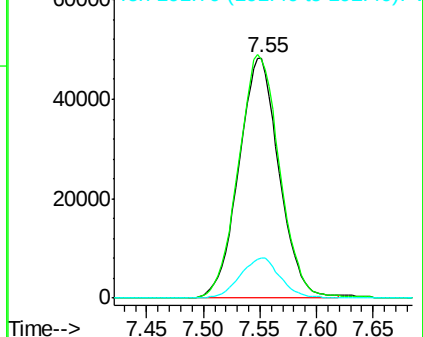


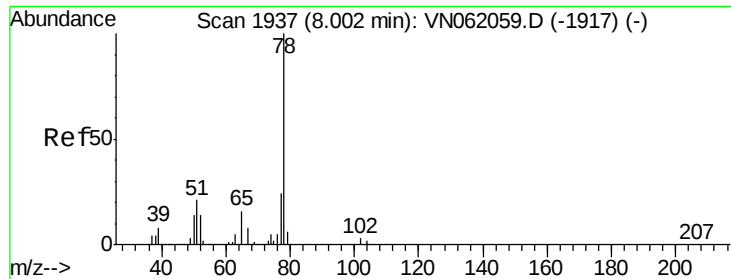
#35
Dibromofluoromethane
Concen: 50.067 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

Tgt Ion:113 Resp: 119719
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.4
192 16.5 14.0 21.0



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





#40

Benzene

Concen: 0.492 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN062252.D

Acq: 30 Jun 2020 20:16

Instrument :

MSVOA_N

ClientSampled :

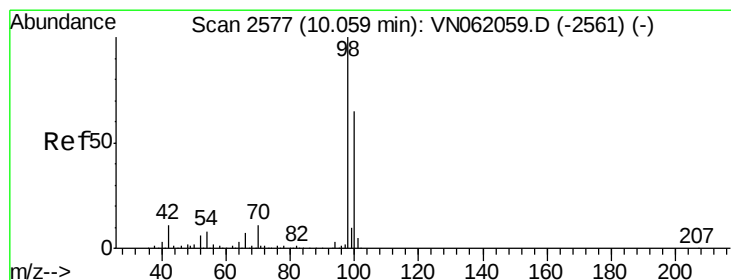
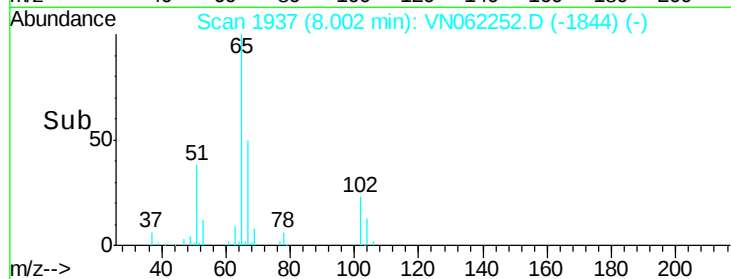
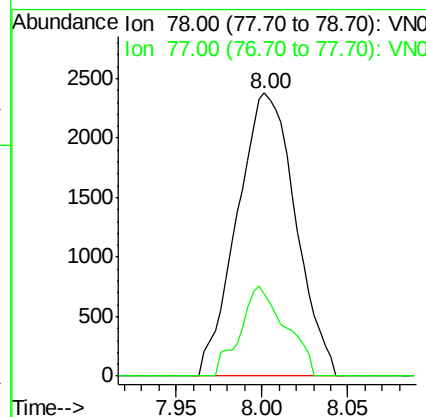
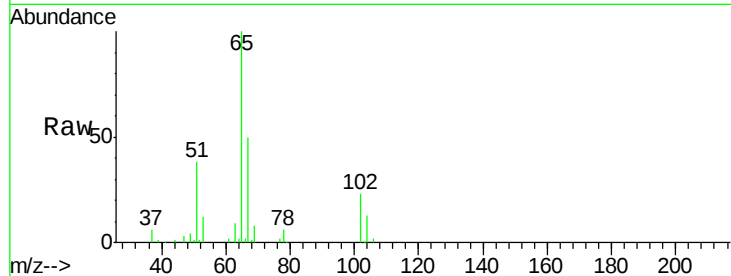
MW-8

Tot Ion: 78 Resp: 5622

Ion Ratio Lower Upper

78 100

77 29.4 19.5 29.3#



#50

Toluene-d8

Concen: 49.593 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062252.D

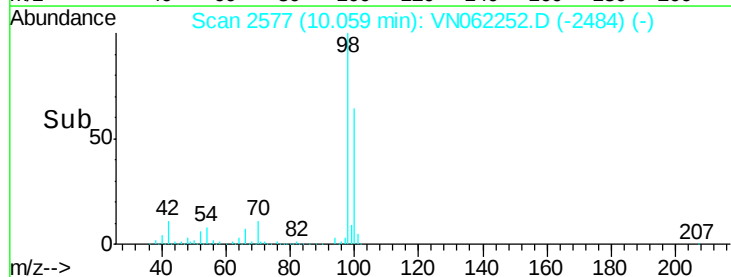
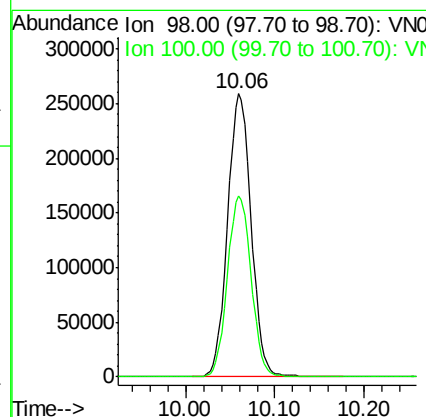
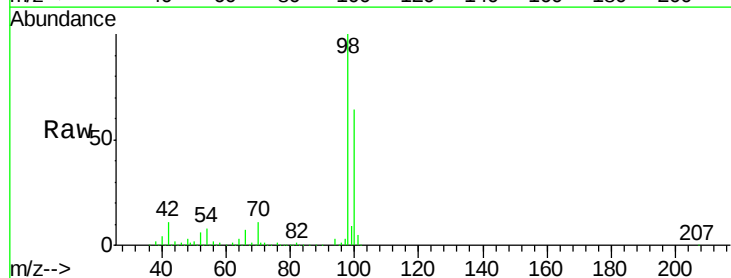
Acq: 30 Jun 2020 20:16

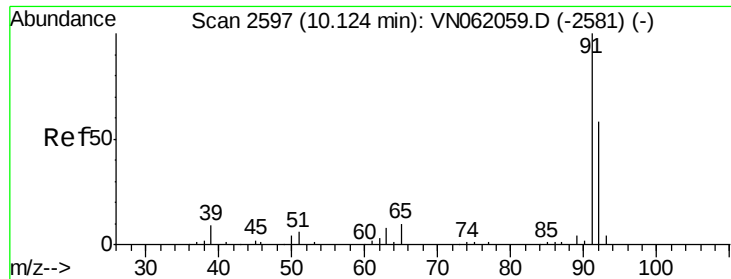
Tgt Ion: 98 Resp: 474030

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8





#52

Toluene

Concen: 0.913 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062252.D

Acq: 30 Jun 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

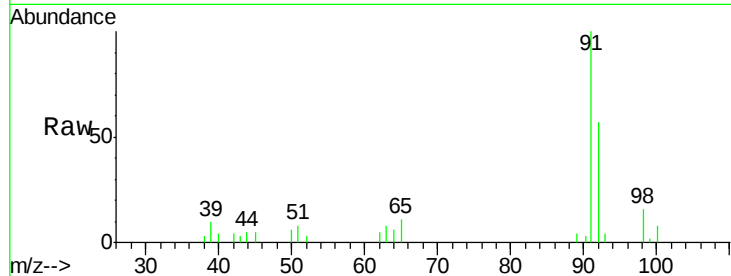
MW-8

Tot Ion: 92 Resp: 6363

Ion Ratio Lower Upper

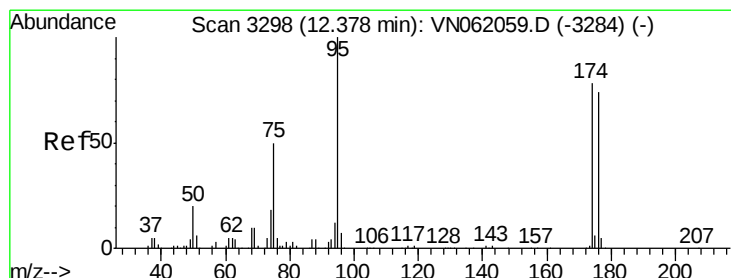
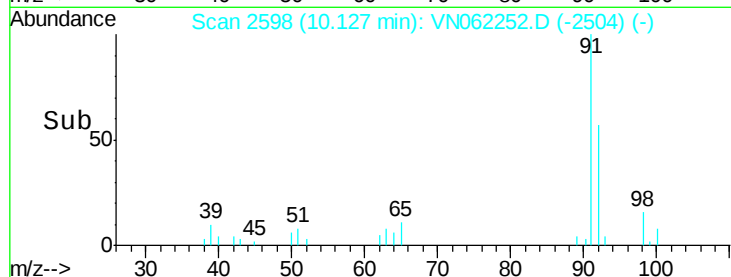
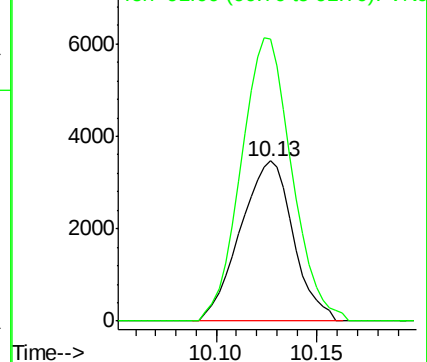
92 100

91 169.6 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)



#62

4-Bromofluorobenzene

Concen: 46.509 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062252.D

Acq: 30 Jun 2020 20:16

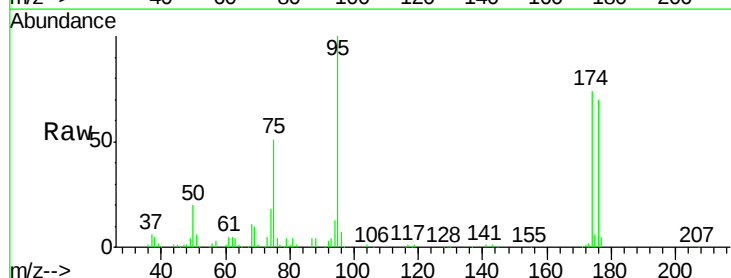
Tgt Ion: 95 Resp: 150195

Ion Ratio Lower Upper

95 100

174 74.7 0.0 154.8

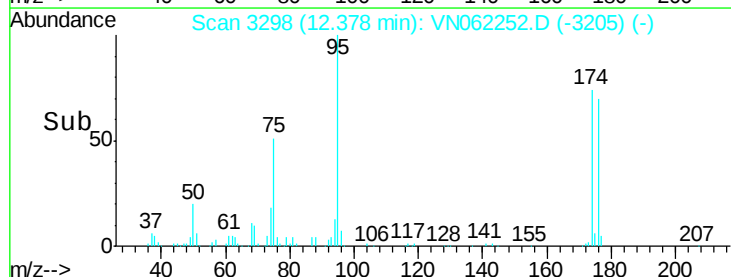
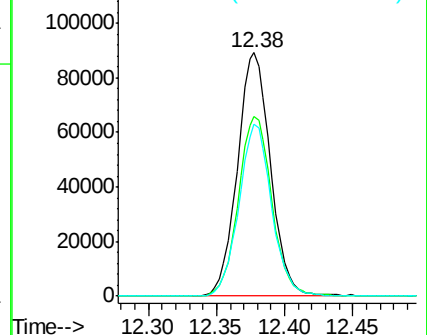
176 70.0 0.0 147.4

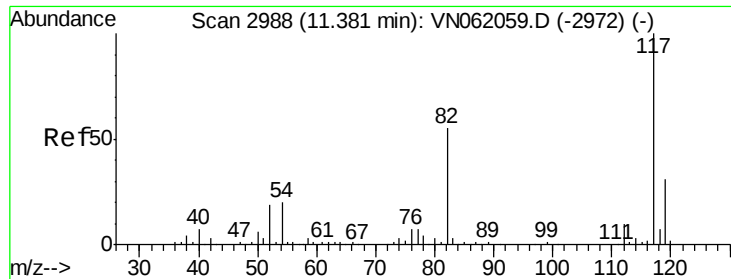


Abundance Ion 94.90 (94.60 to 95.60): VN062059.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062059.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062059.D (-3284) (-)

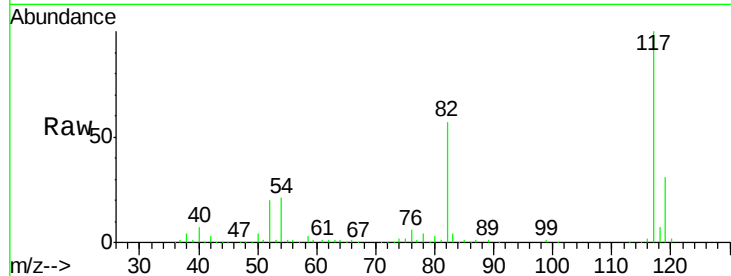




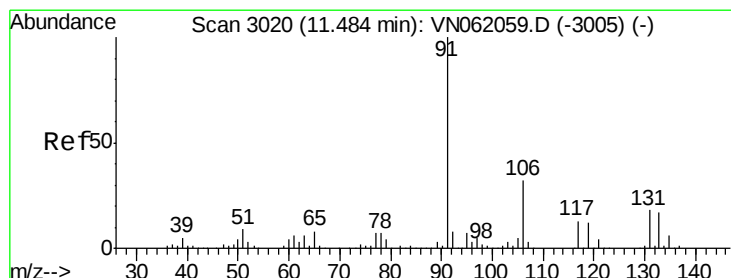
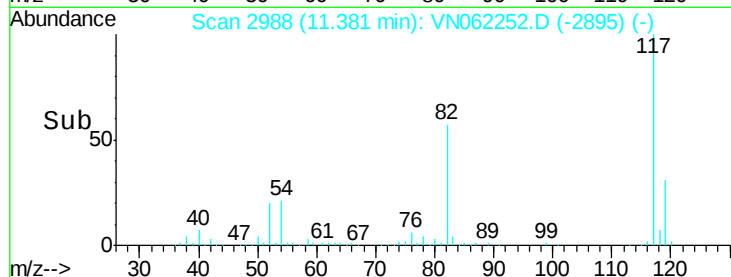
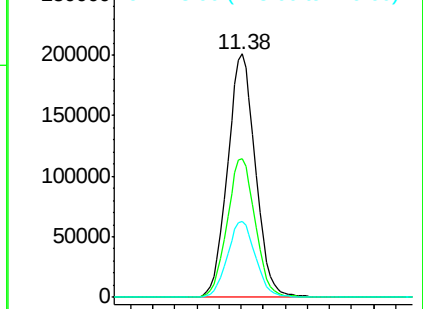
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:117 Resp: 351030
Ion Ratio Lower Upper
117 100
82 57.2 43.8 65.8
119 31.4 25.2 37.8

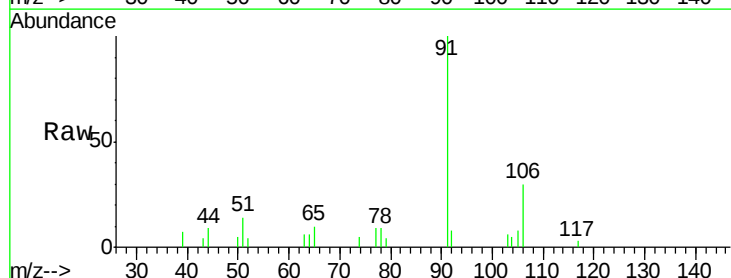


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

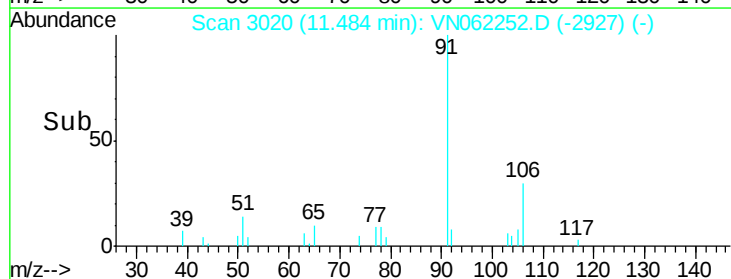
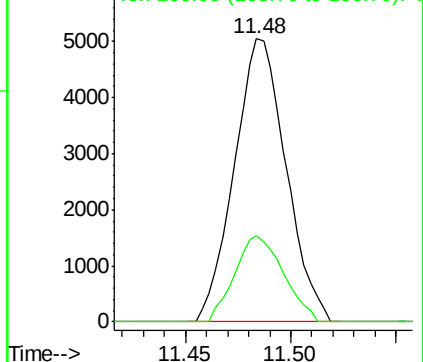


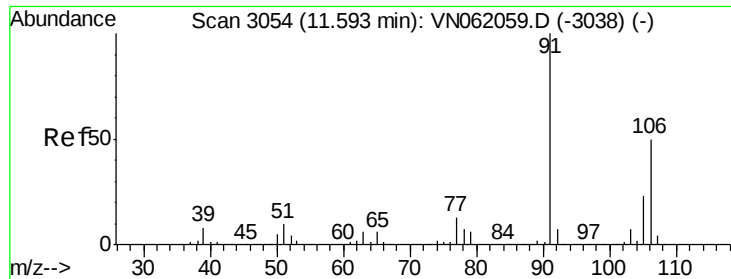
#67
Ethyl Benzene
Concen: 0.660 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

Tgt Ion: 91 Resp: 8589
Ion Ratio Lower Upper
91 100
106 30.4 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V

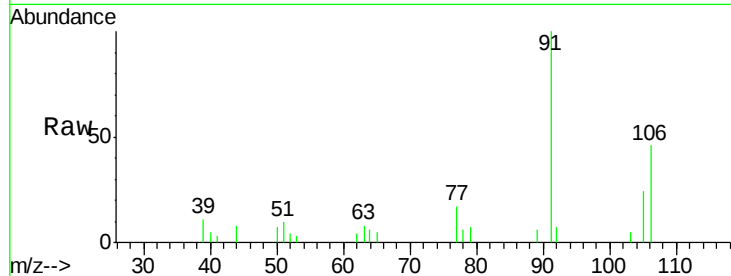




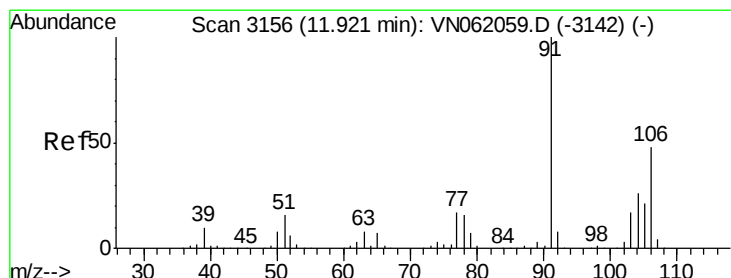
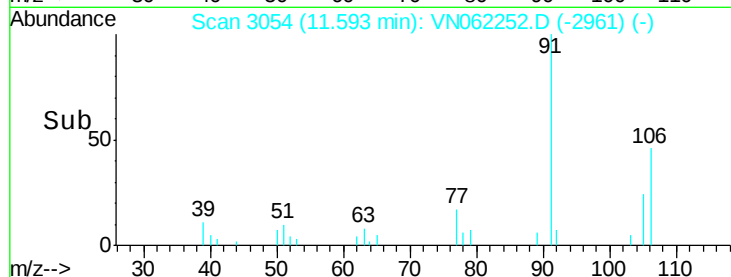
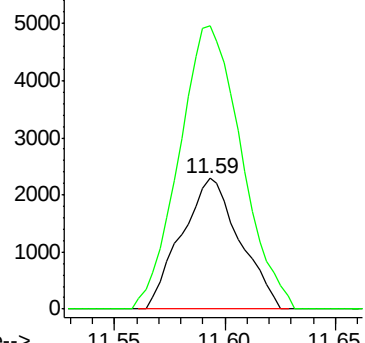
#68
m/p-Xvlenes
Concen: 0.833 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:106 Resp: 4193
Ion Ratio Lower Upper
106 100
91 232.0 157.8 236.8

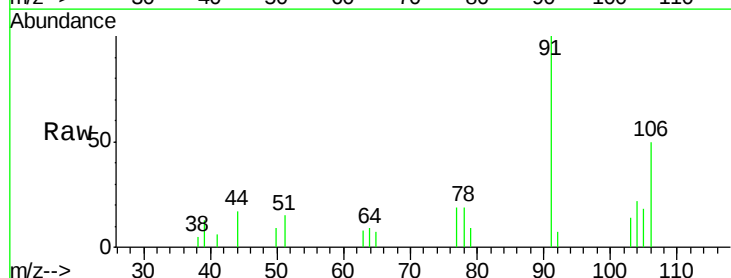


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

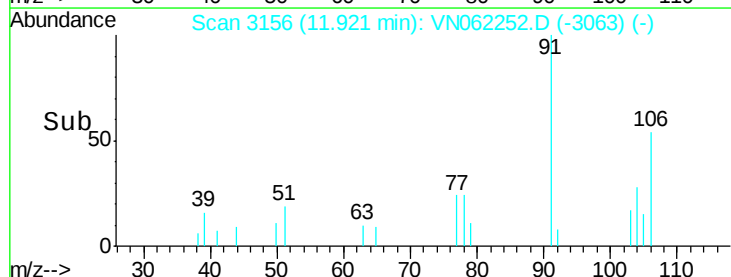
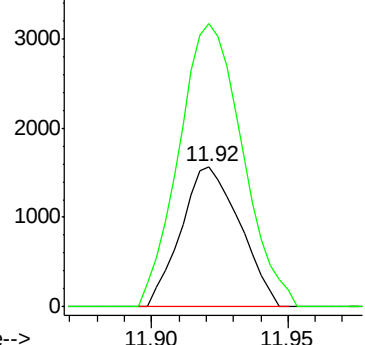


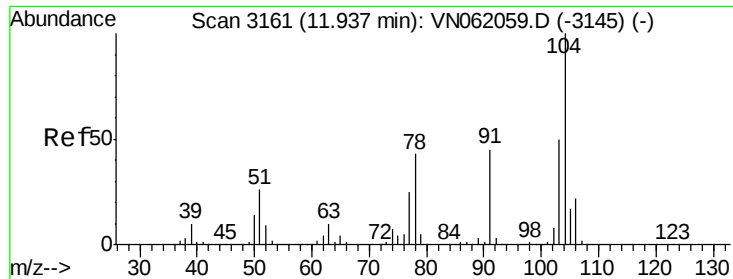
#69
o-Xylene
Concen: 0.494 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

Tgt Ion:106 Resp: 2346
Ion Ratio Lower Upper
106 100
91 217.8 104.0 311.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

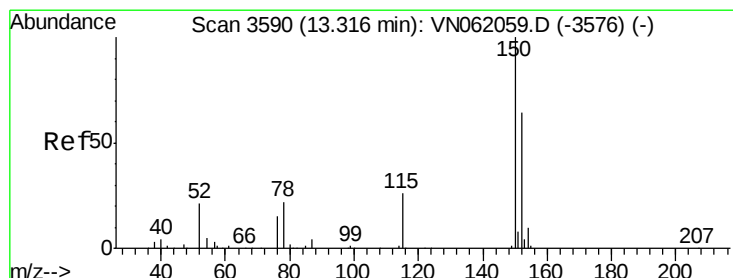
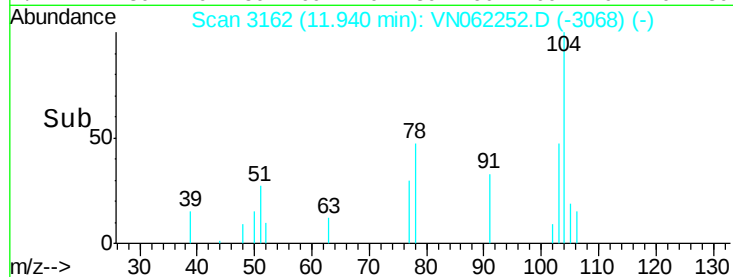
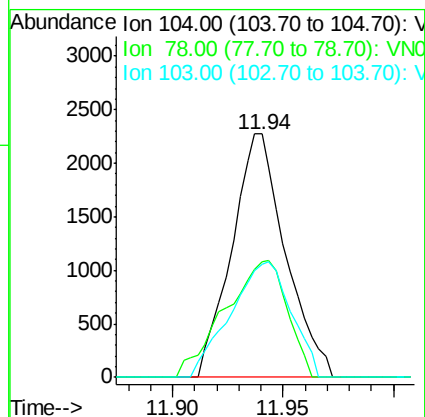
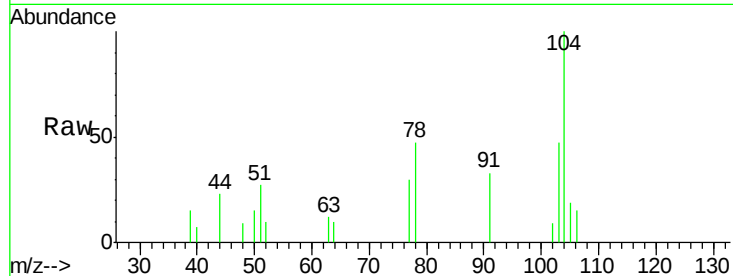




#70
Stvrene
Concen: 0.483 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

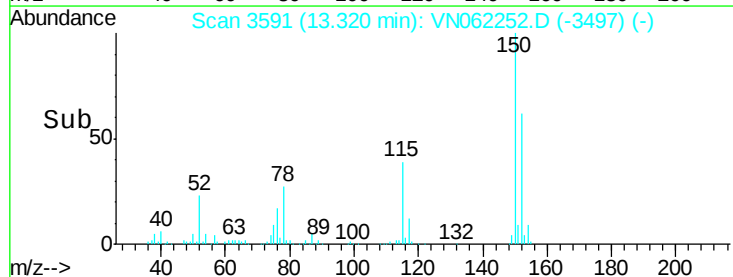
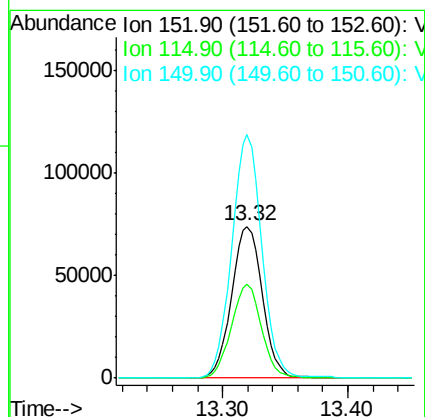
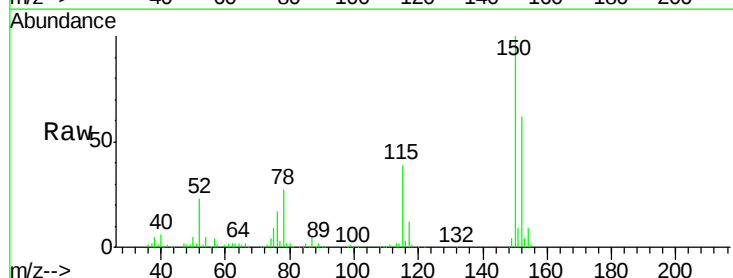
Instrument :
MSVOA_N
ClientSampled :
MW-8

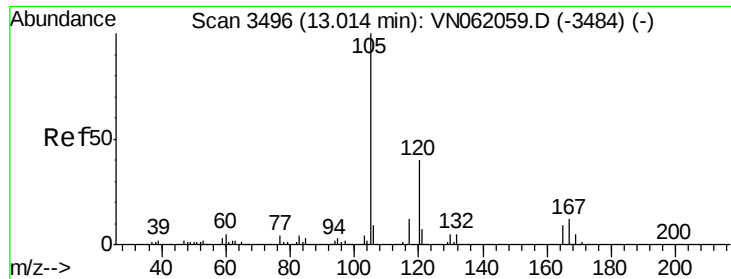
Tot Ion:104 Resp: 3825
Ion Ratio Lower Upper
104 100
78 55.8 37.7 56.5
103 53.6 43.0 64.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062252.D
Acq: 30 Jun 2020 20:16

Tgt Ion:152 Resp: 126625
Ion Ratio Lower Upper
152 100
115 60.4 29.5 88.5
150 156.2 0.0 351.4





#84
 1,2,4-Trimethylbenzene
 Concen: 0.384 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062252.D
 Acq: 30 Jun 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Tot Ion:105 Resp: 3050
 Ion Ratio Lower Upper
 105 100
 120 42.0 23.2 69.5

