

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056600.D
 Acq On : 3 Jul 2019 21:21
 Operator : JC/SP
 Sample : K3680-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Quant Time: Jul 04 00:05:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	281462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	479262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192663	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	162019	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
35) Dibromofluoromethane	7.59	113	144572	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	10.09	98	605245	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.40	95	219721	56.66	ug/l	0.00
Spiked Amount			Recovery	=	113.32%	

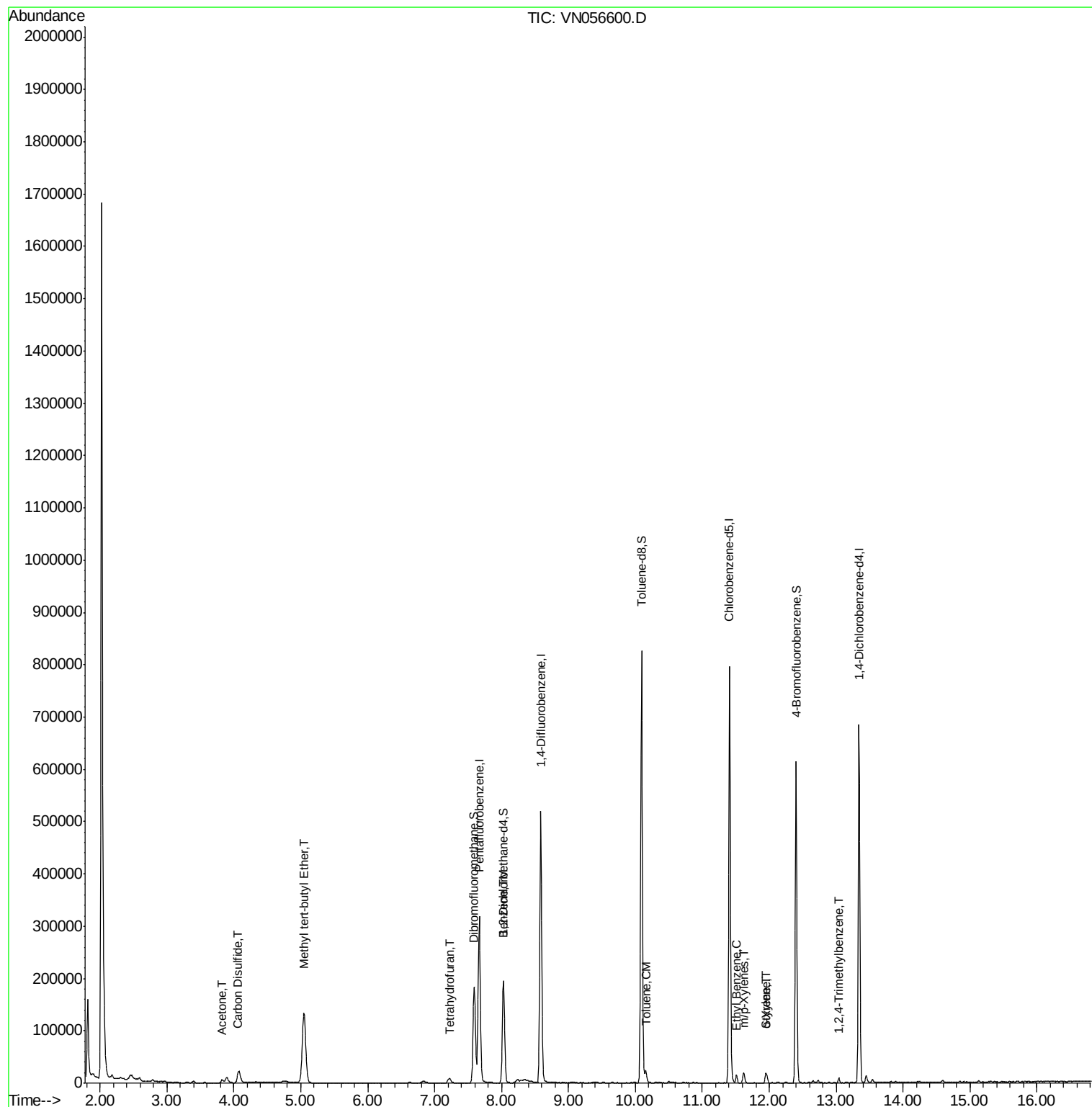
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	11156	7.138	ug/l	90
17) Carbon Disulfide	4.05	76	6231	1.102	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	233586	28.391	ug/l	97
29) Tetrahydrofuran	7.23	42	6119	4.841	ug/l	97
40) Benzene	8.04	78	6807	0.525	ug/l	97
52) Toluene	10.16	92	7948	1.002	ug/l	94
67) Ethyl Benzene	11.51	91	11701	0.678	ug/l	94
68) m/p-Xylenes	11.62	106	7160	1.131	ug/l	98
69) o-Xylene	11.95	106	3829	0.612	ug/l	91
70) Styrene	11.96	104	6285	0.628	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	6094	0.470	ug/l	99

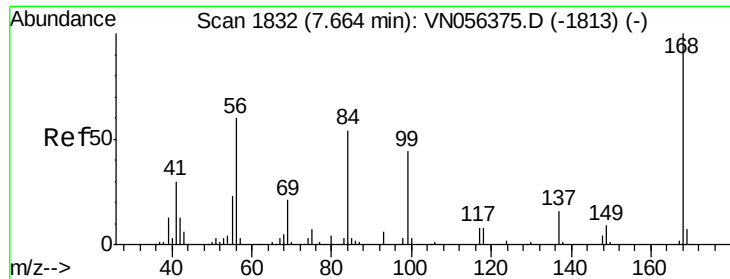
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070419\
Data File : VN056600.D
Acq On : 3 Jul 2019 21:21
Operator : JC/SP
Sample : K3680-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-8

Quant Time: Jul 04 00:05:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

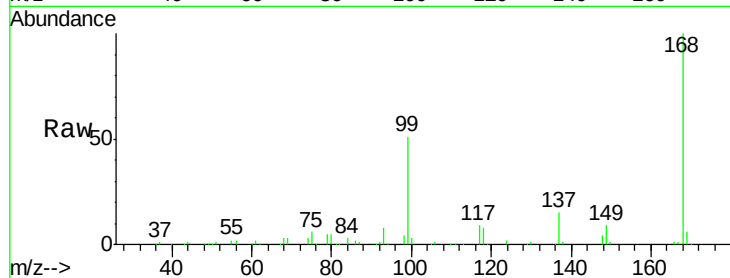
MW-8

Tot Ion:168 Resp: 281462

Ion Ratio Lower Upper

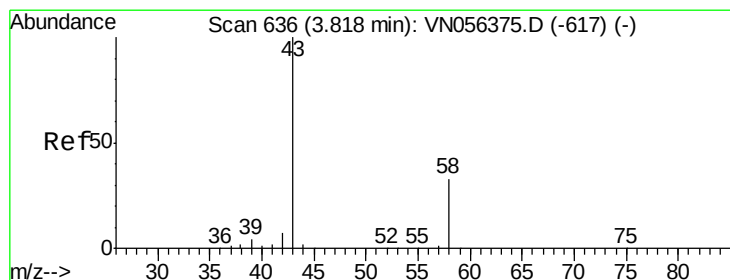
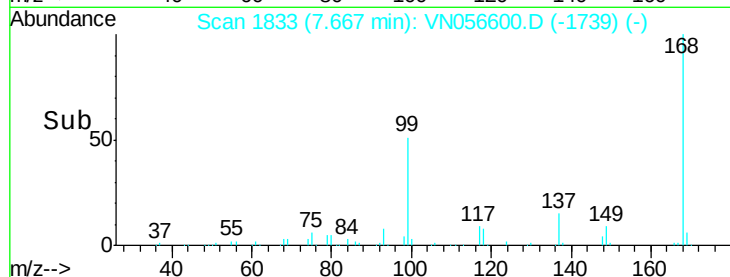
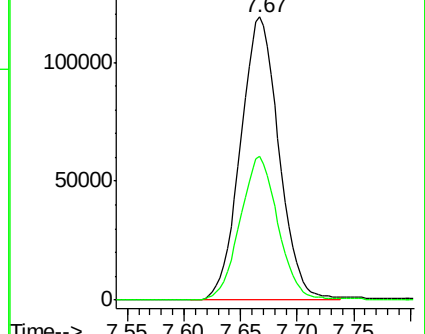
168 100

99 50.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 7.138 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056600.D

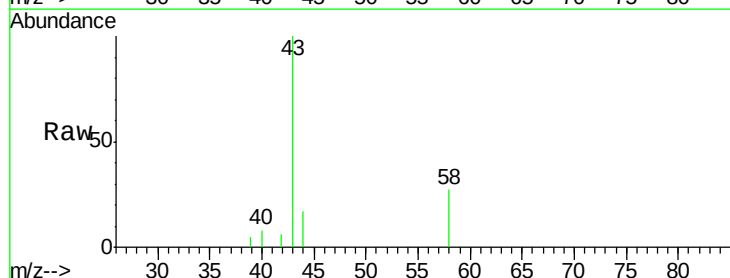
Acq: 3 Jul 2019 21:21

Tgt Ion: 43 Resp: 11156

Ion Ratio Lower Upper

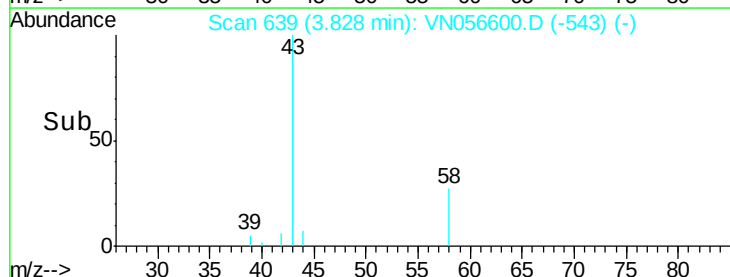
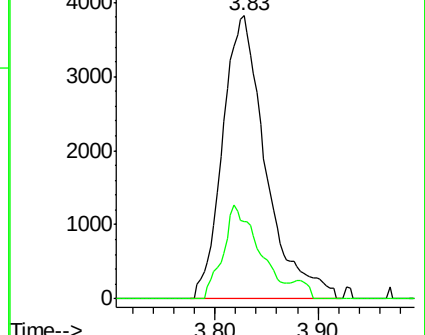
43 100

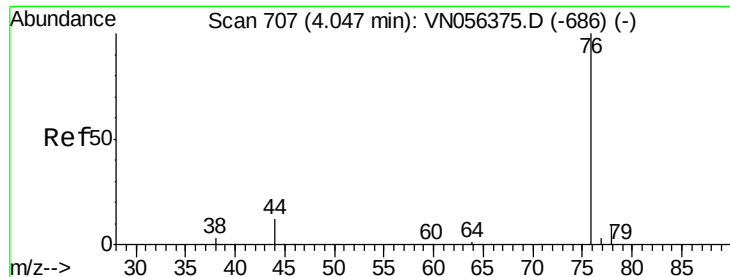
58 27.2 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 1.102 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

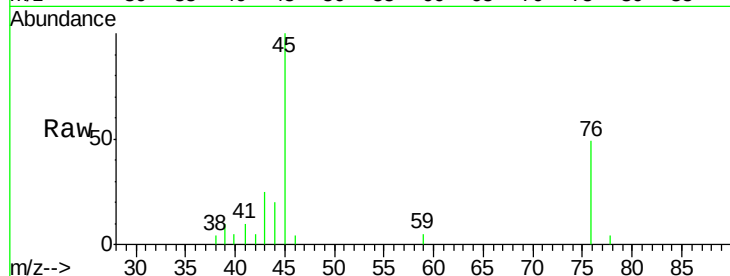
MW-8

Tot Ion: 76 Resp: 6231

Ion Ratio Lower Upper

76 100

78 8.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

2500

2000

1500

1000

500

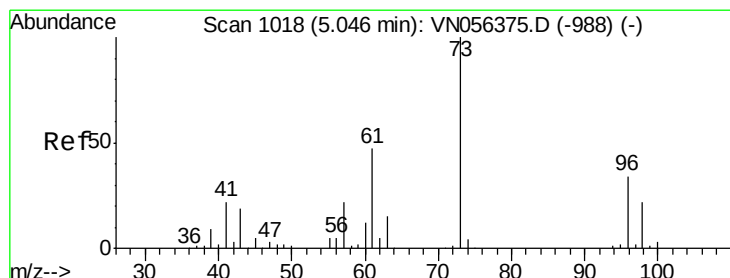
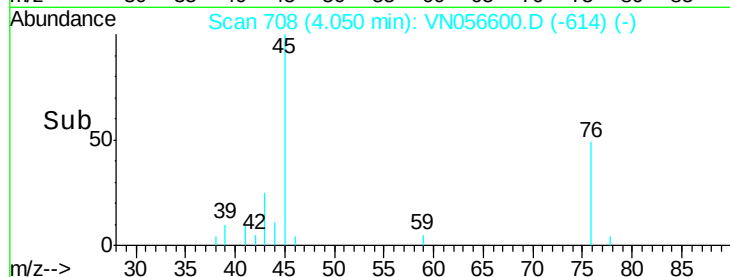
0

4.00

4.05

4.10

Time-->



#19

Methyl tert-butyl Ether

Concen: 28.391 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056600.D

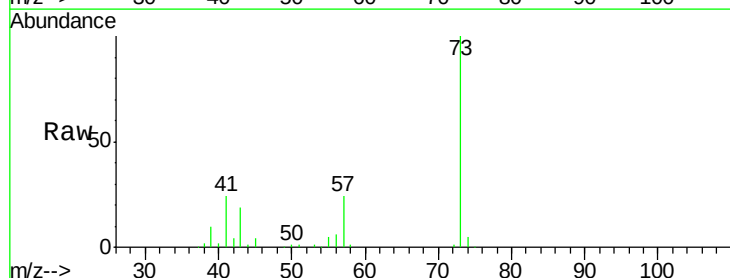
Acq: 3 Jul 2019 21:21

Tgt Ion: 73 Resp: 233586

Ion Ratio Lower Upper

73 100

57 24.1 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

60000

40000

20000

0

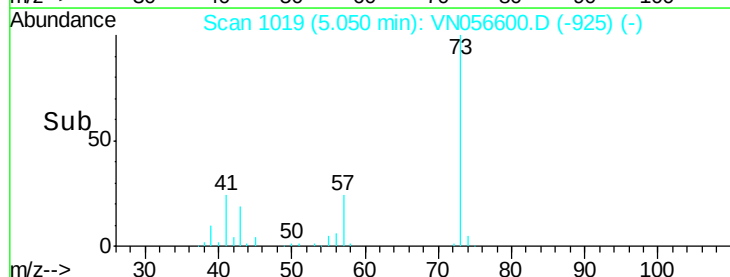
4.90

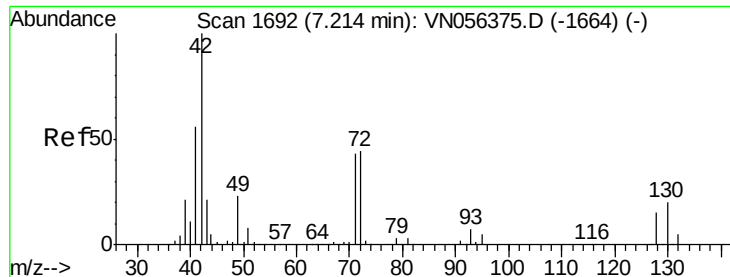
5.00

5.10

5.20

Time-->

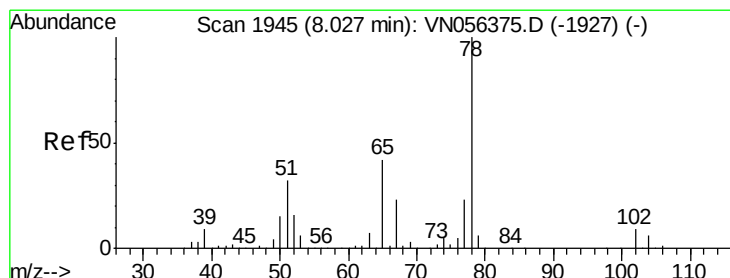
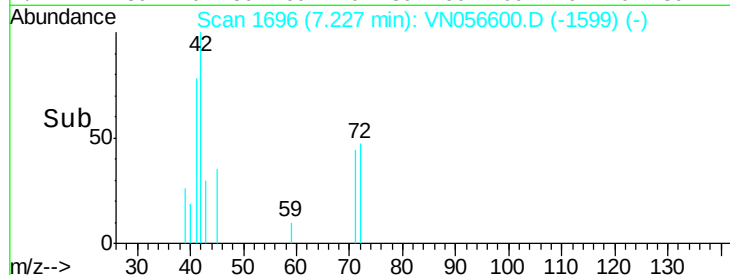
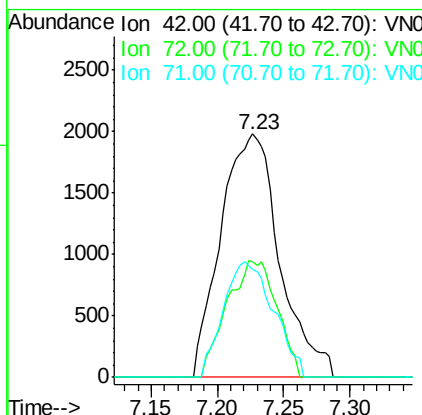
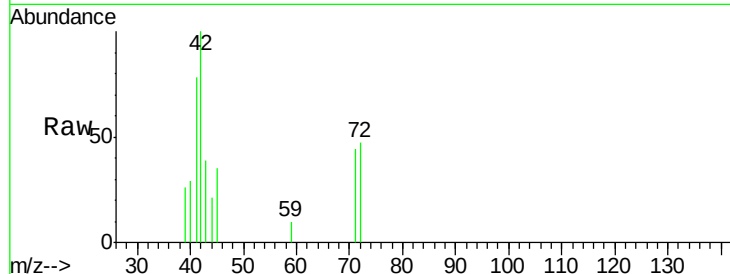




#29
Tetrahydrofuran
Concen: 4.841 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

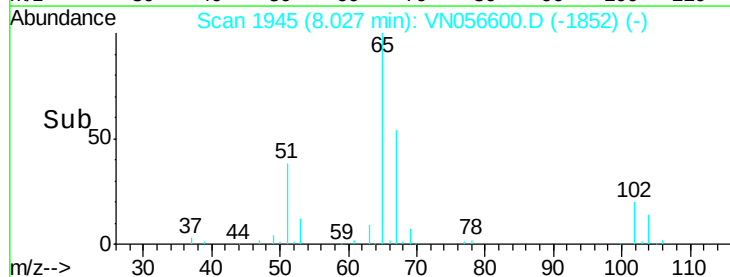
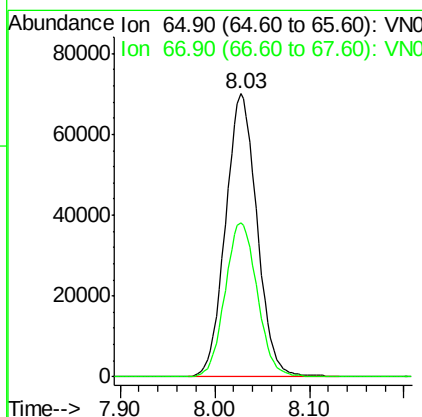
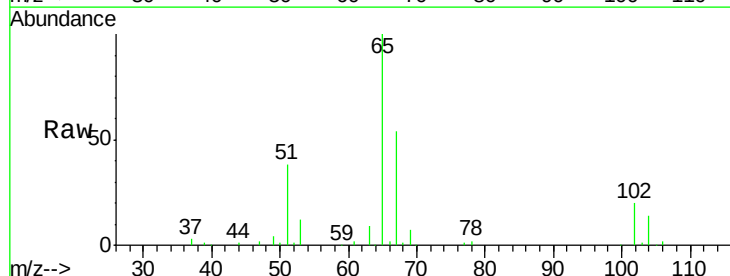
Instrument :
MSVOA_N
ClientSampled :
MW-8

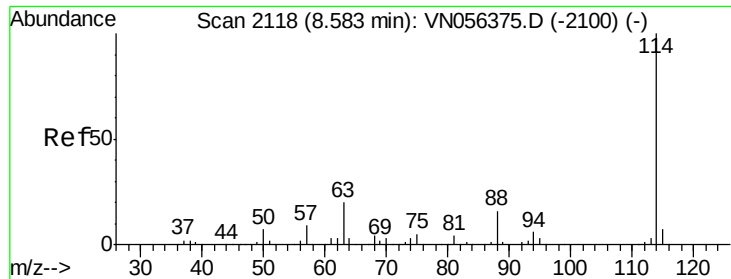
Tot Ion: 42 Resp: 6119
Ion Ratio Lower Upper
42 100
72 40.8 34.7 52.1
71 40.3 33.0 49.6



#33
1,2-Dichloroethane-d4
Concen: 51.938 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion: 65 Resp: 162019
Ion Ratio Lower Upper
65 100
67 55.5 0.0 109.0

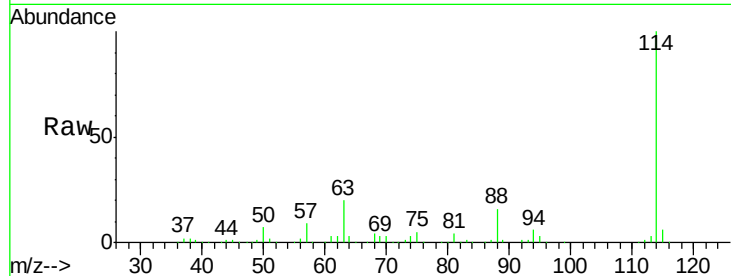




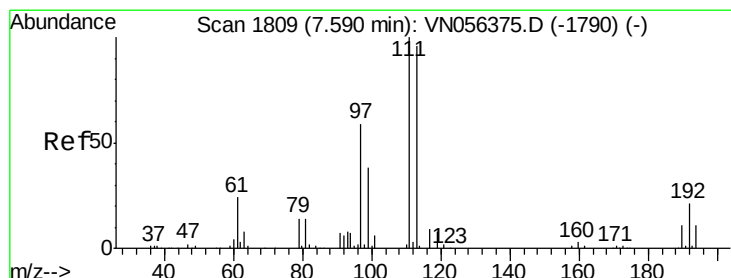
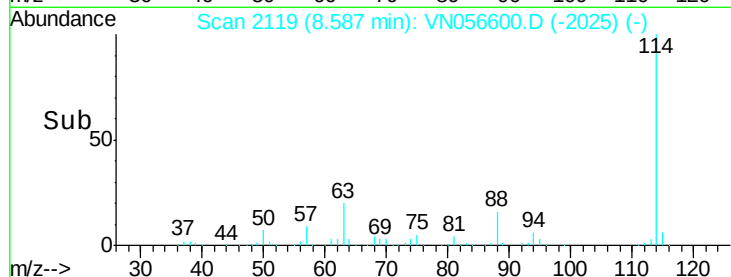
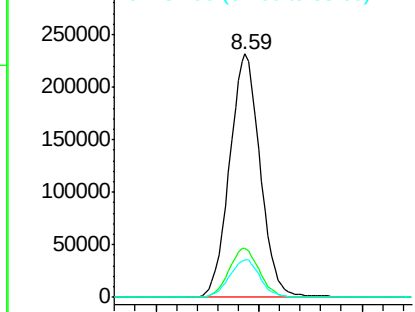
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Tot Ion:114 Resp: 479262
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.2
 88 15.7 0.0 31.4

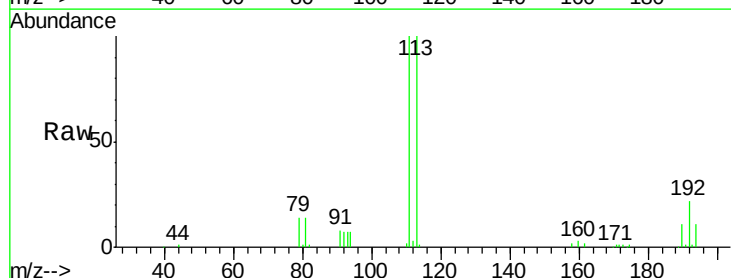


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

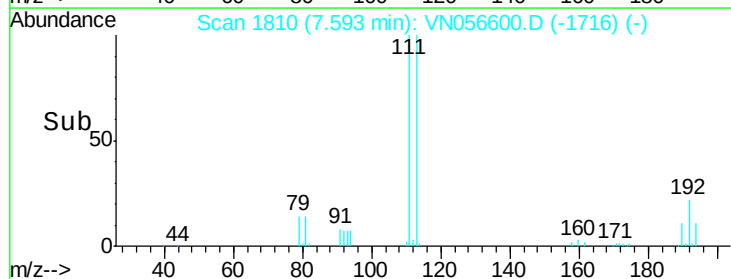
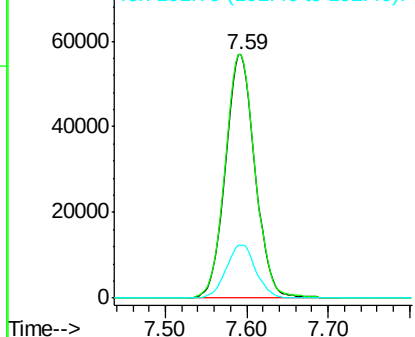


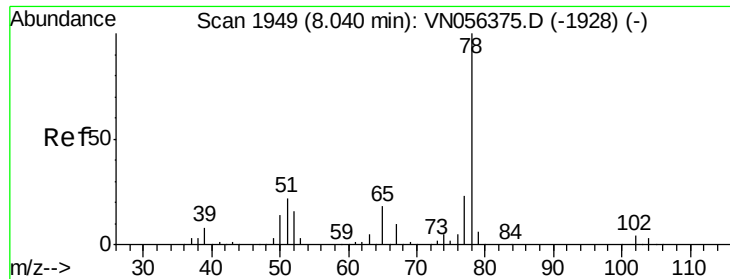
#35
 Dibromofluoromethane
 Concen: 48.355 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

Tgt Ion:113 Resp: 144572
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.9 124.3
 192 22.0 17.7 26.5



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: 0.525 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

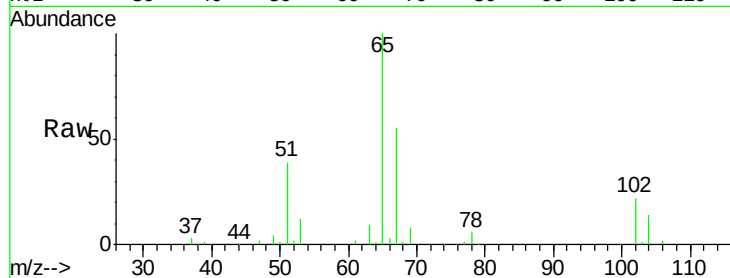
MW-8

Tot Ion: 78 Resp: 6807

Ion Ratio Lower Upper

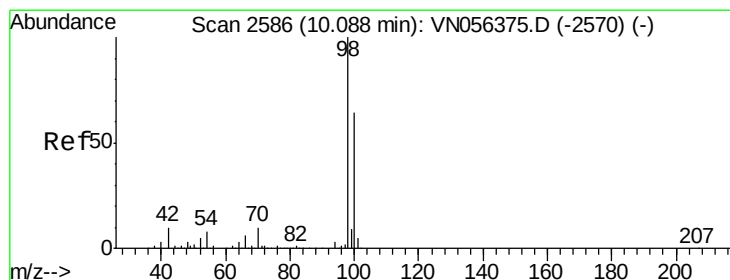
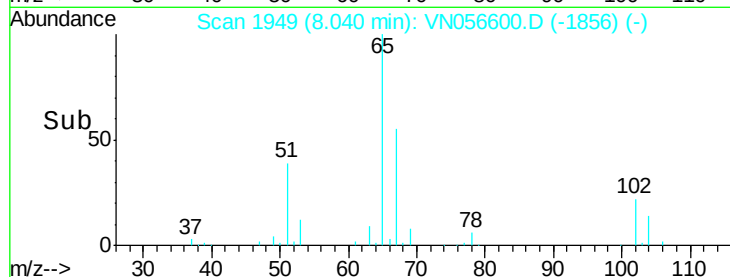
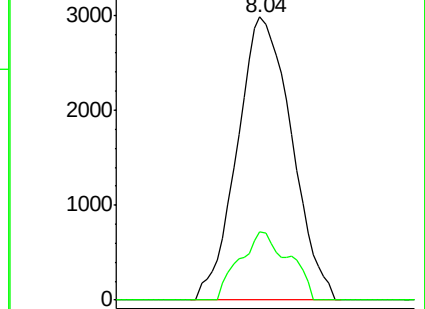
78 100

77 24.3 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 52.026 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056600.D

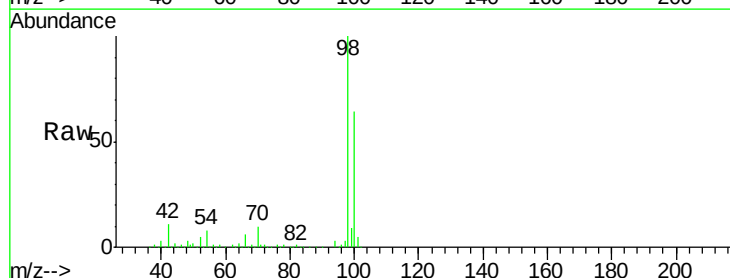
Acq: 3 Jul 2019 21:21

Tgt Ion: 98 Resp: 605245

Ion Ratio Lower Upper

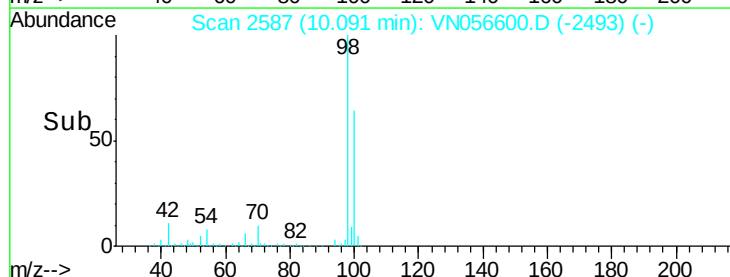
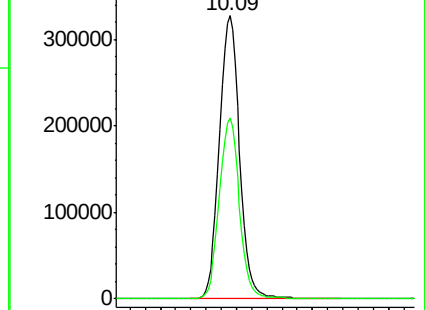
98 100

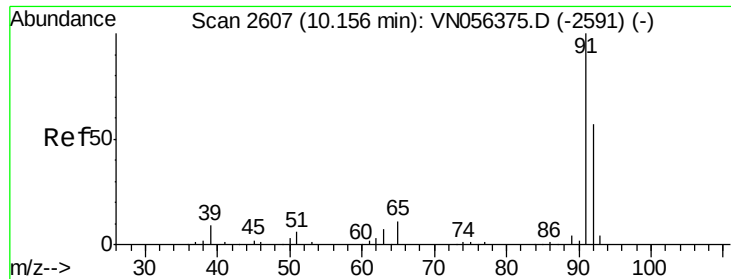
100 63.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 1.002 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

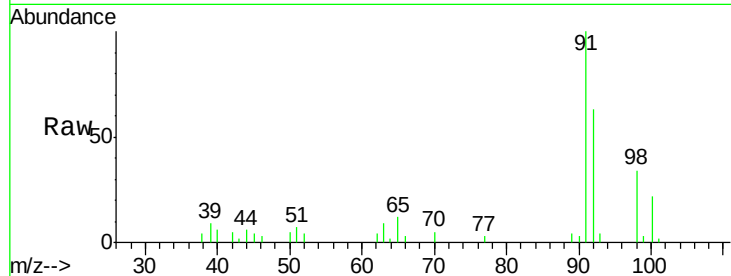
MW-8

Tot Ion: 92 Resp: 7948

Ion Ratio Lower Upper

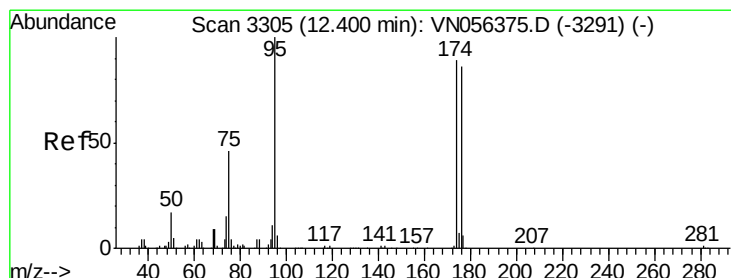
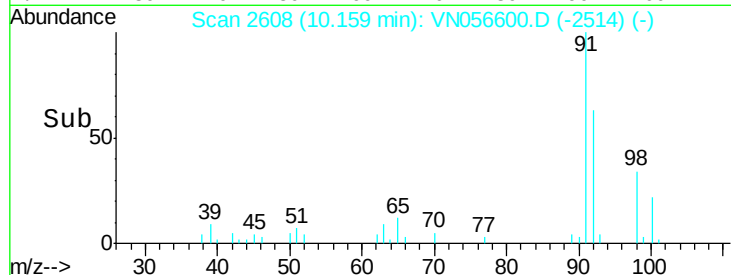
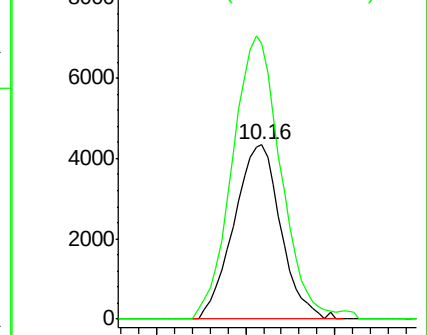
92 100

91 167.6 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 56.656 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

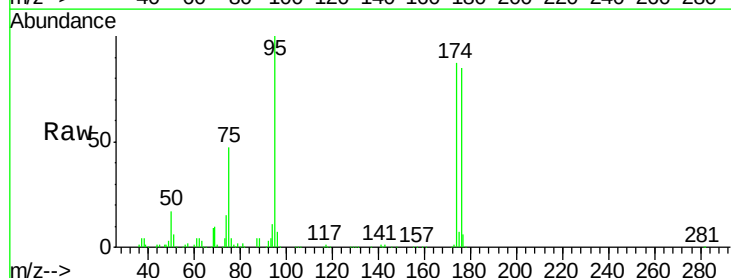
Tgt Ion: 95 Resp: 219721

Ion Ratio Lower Upper

95 100

174 88.1 0.0 179.4

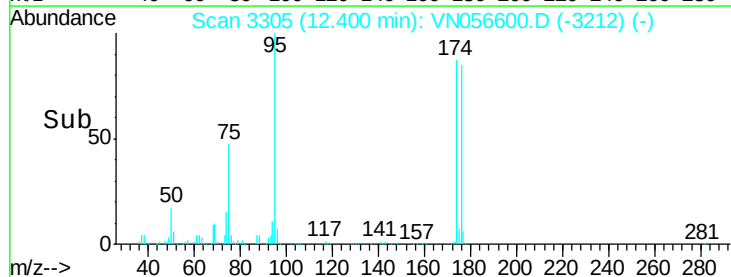
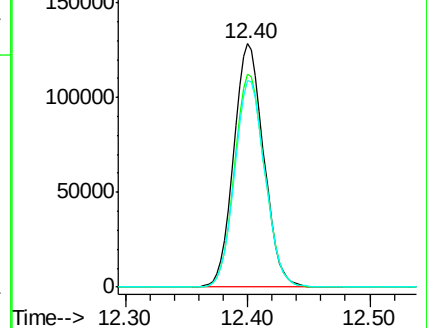
176 86.2 0.0 173.4

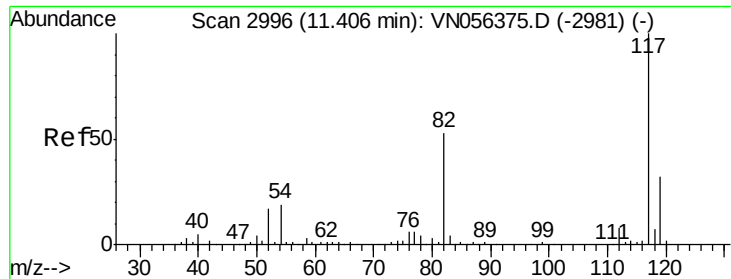


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

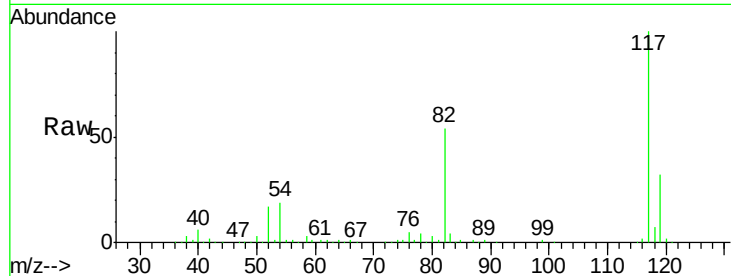




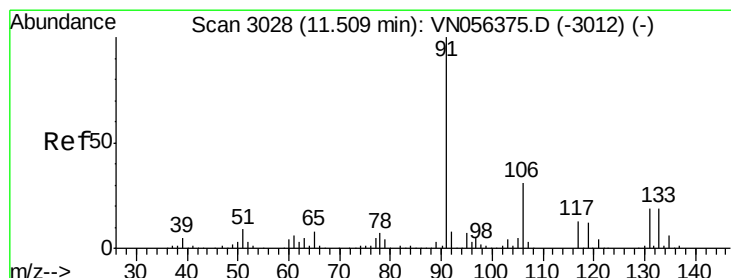
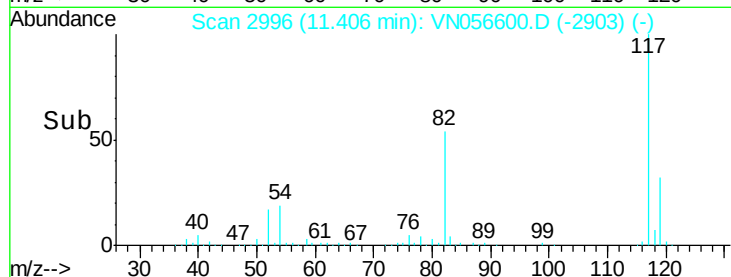
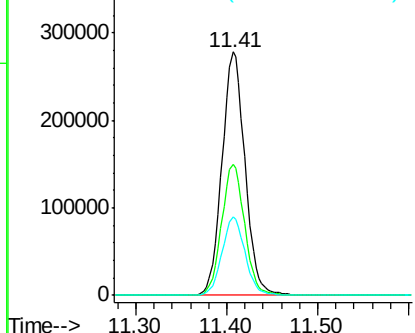
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:117 Resp: 489424
Ion Ratio Lower Upper
117 100
82 54.0 42.0 63.0
119 32.1 25.3 37.9

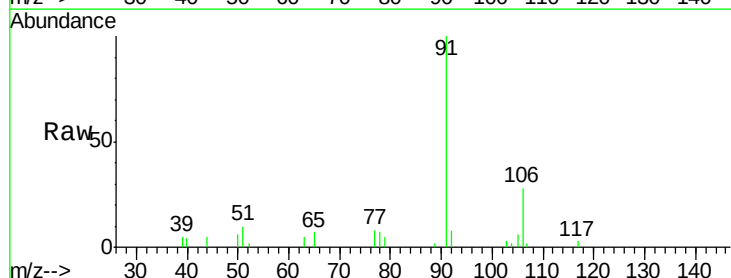


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

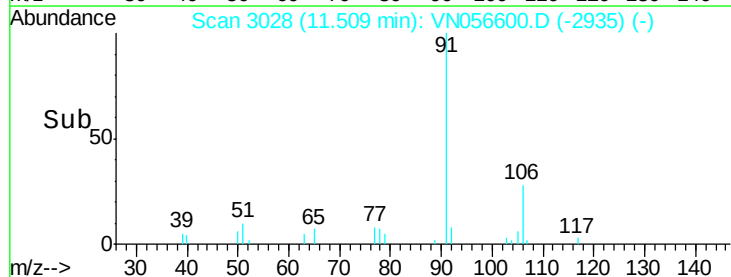
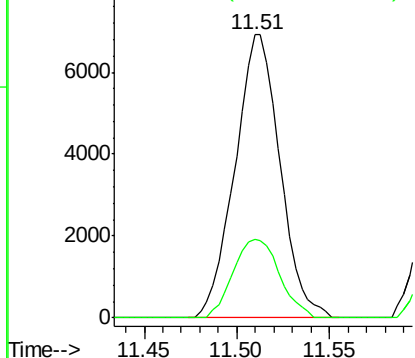


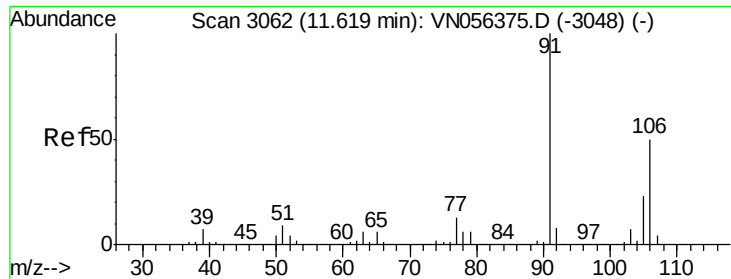
#67
Ethyl Benzene
Concen: 0.678 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion: 91 Resp: 11701
Ion Ratio Lower Upper
91 100
106 28.0 25.1 37.7



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





#68

m/p-Xylenes

Concen: 1.131 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

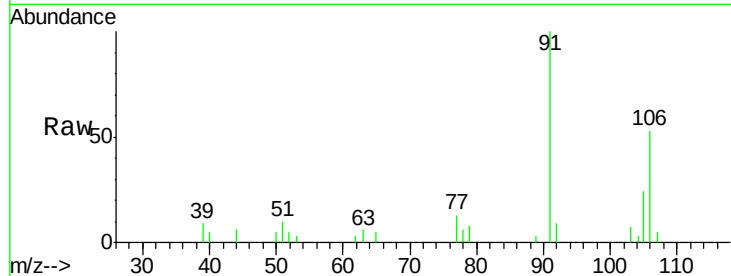
MW-8

Tot Ion:106 Resp: 7160

Ion Ratio Lower Upper

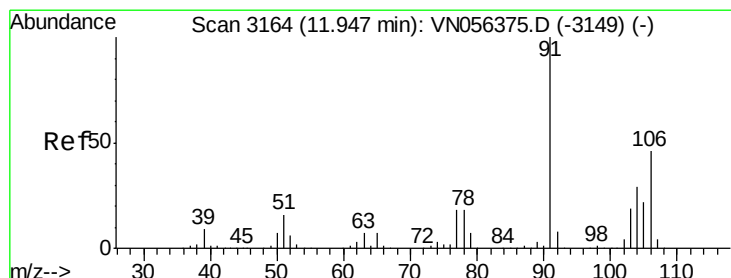
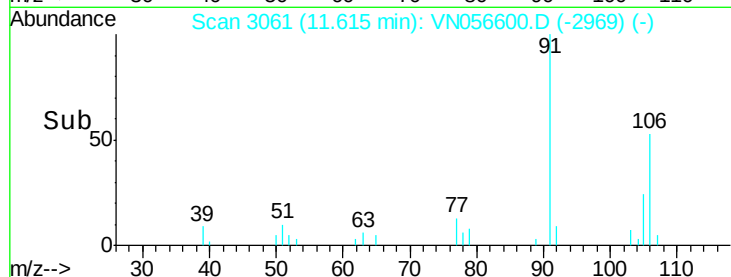
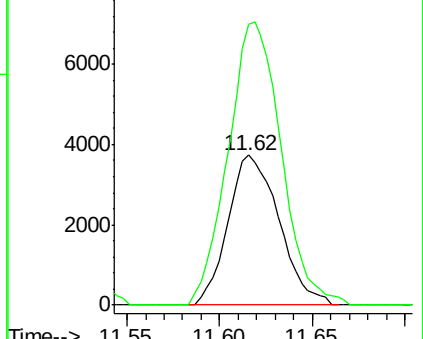
106 100

91 196.5 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.612 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056600.D

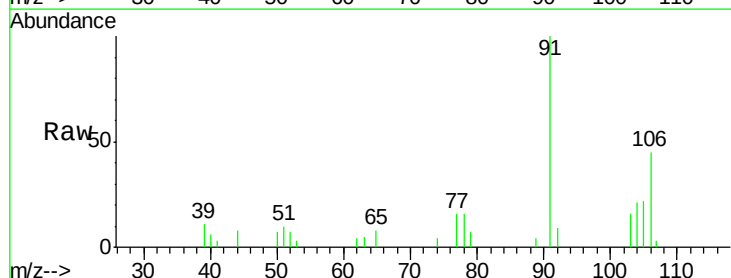
Acq: 3 Jul 2019 21:21

Tgt Ion:106 Resp: 3829

Ion Ratio Lower Upper

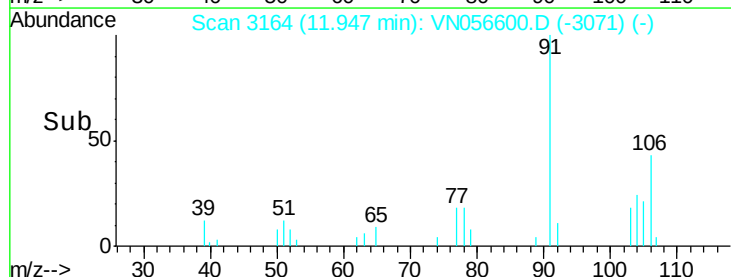
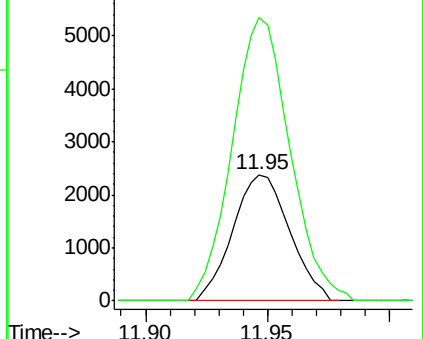
106 100

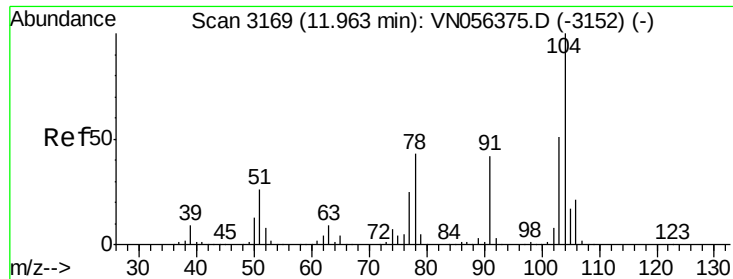
91 228.8 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

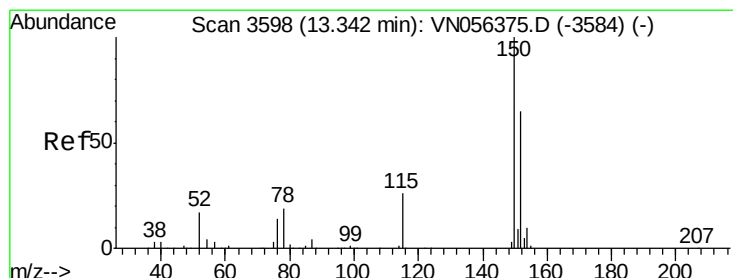
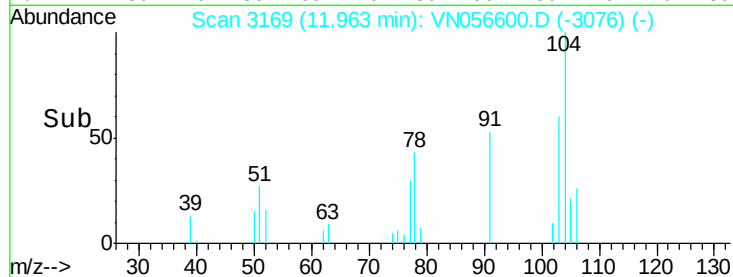
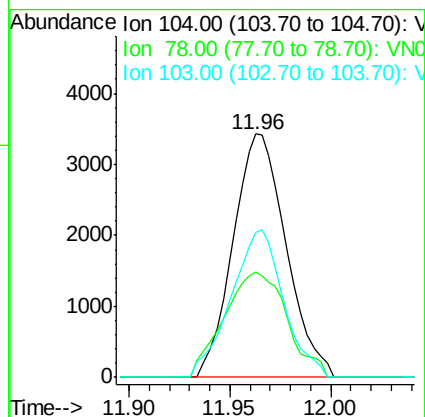
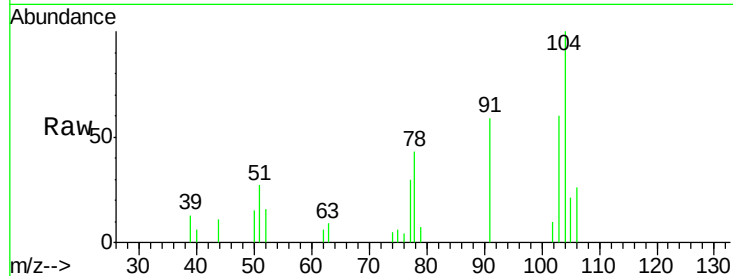




#70
Stvrene
Concen: 0.628 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

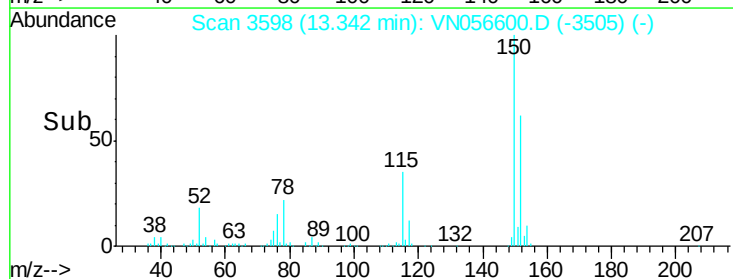
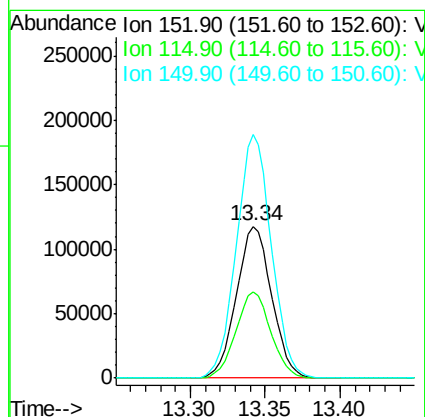
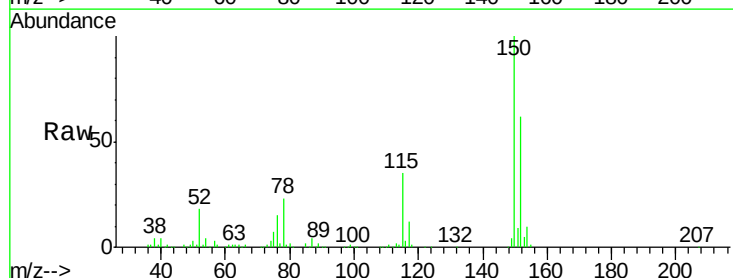
Instrument :
MSVOA_N
ClientSampled :
MW-8

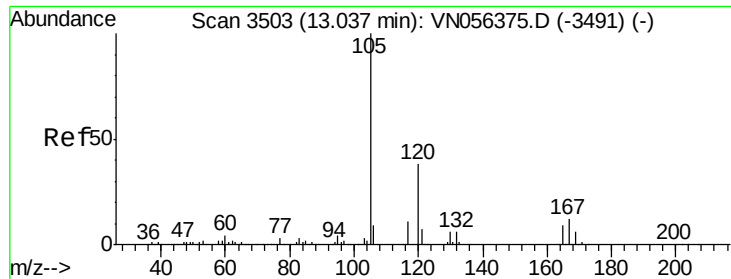
Tot Ion:104 Resp: 6285
Ion Ratio Lower Upper
104 100
78 51.2 38.6 57.8
103 60.0 43.9 65.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion:152 Resp: 192663
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.4
150 159.8 0.0 348.4





#84
 1,2,4-Trimethylbenzene
 Concen: 0.470 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Tot Ion:105 Resp: 6094
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.8

