

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052404.D
 Acq On : 20 Nov 2018 13:45
 Operator : MD\SY
 Sample : J6003-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-03A

Quant Time: Nov 20 14:39:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	293763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	481731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	397736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134215	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	207126	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	7.59	113	157055	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	10.09	98	598897	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.40	95	169590	42.18	ug/l	0.00
Spiked Amount			Recovery	=	84.36%	

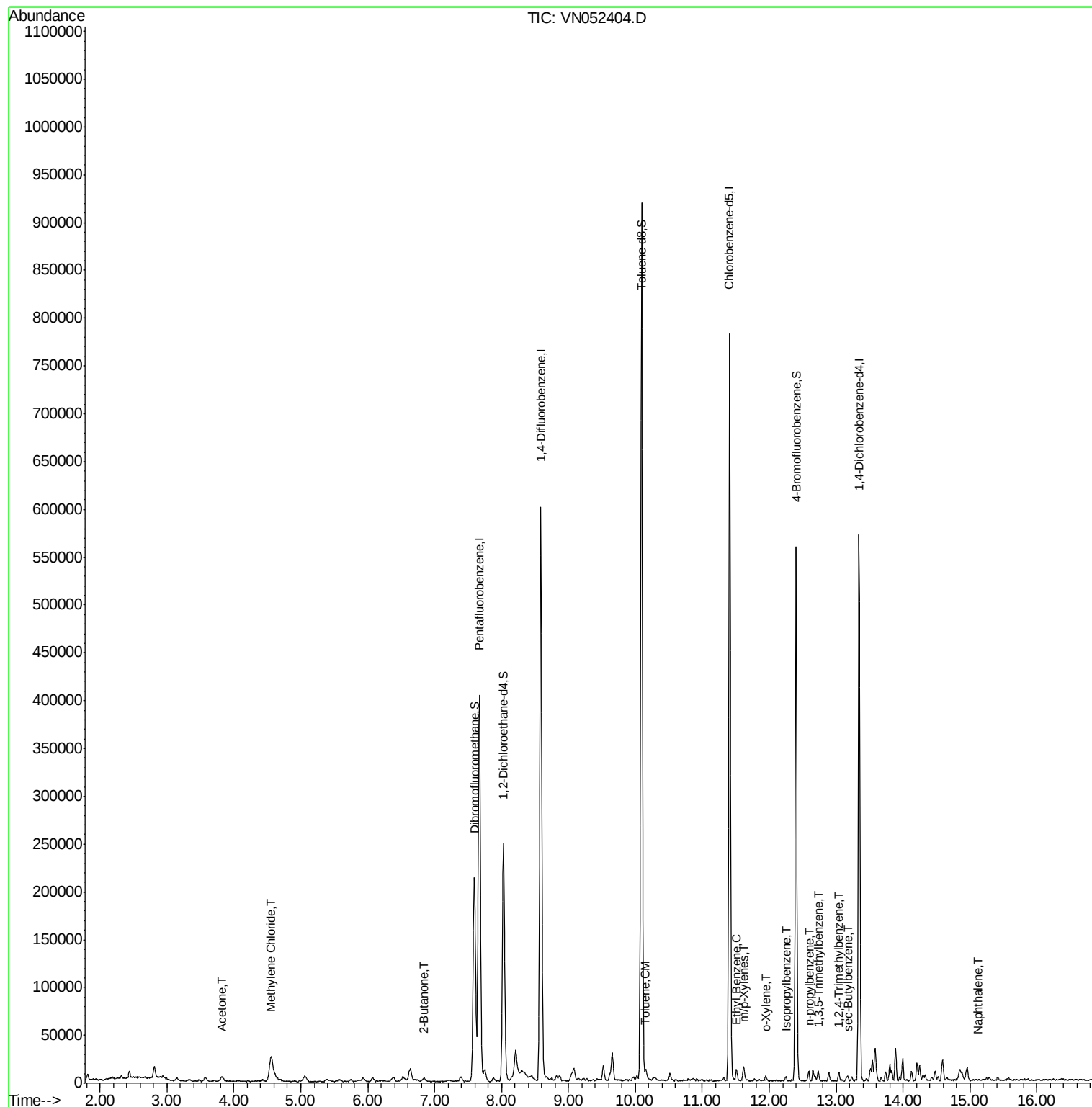
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	7805	6.83	ug/l	96
20) Methylene Chloride	4.55	84	13671	3.28	ug/l	97
25) 2-Butanone	6.84	43	5055	3.14	ug/l #	85
52) Toluene	10.16	92	4072	0.49	ug/l	96
67) Ethyl Benzene	11.51	91	7287	0.50	ug/l	92
68) m/p-Xylenes	11.62	106	3968	0.74	ug/l	91
69) o-Xylene	11.95	106	1259	0.25	ug/l	85
73) Isopropylbenzene	12.25	105	2866	0.27	ug/l	94
78) n-propylbenzene	12.59	91	6745	0.53	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	4289	0.50	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	4382	0.51	ug/l	91
85) sec-Butylbenzene	13.17	105	2925	0.28	ug/l #	76
95) Naphthalene	15.13	128	716	2.75	ug/l #	69

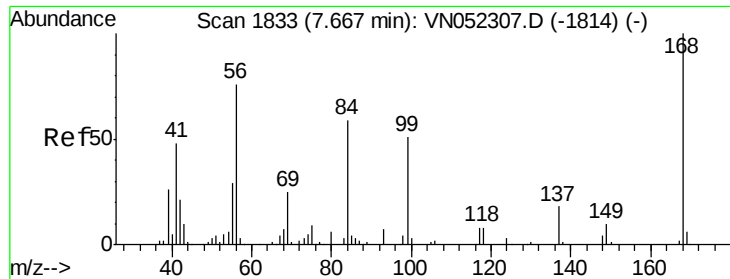
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052404.D

Acq: 20 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

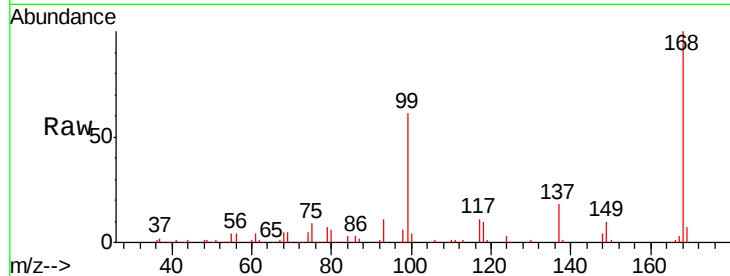
AOC2-03A

Tgt Ion:168 Resp: 293763

Ion Ratio Lower Upper

168 100

99 60.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

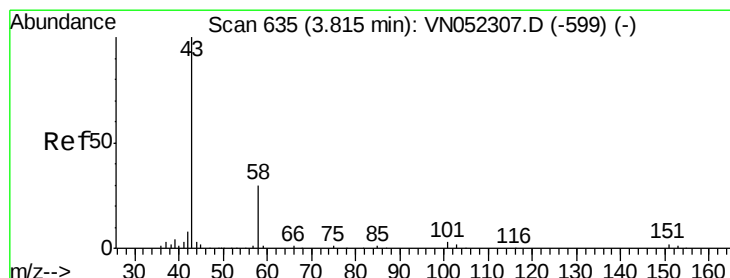
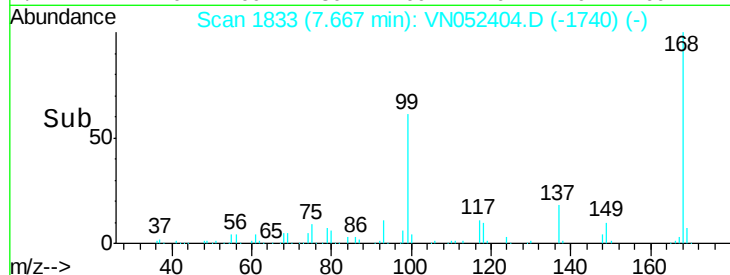
7.67

100000

50000

0

Time-->



#16

Acetone

Concen: 6.83 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052404.D

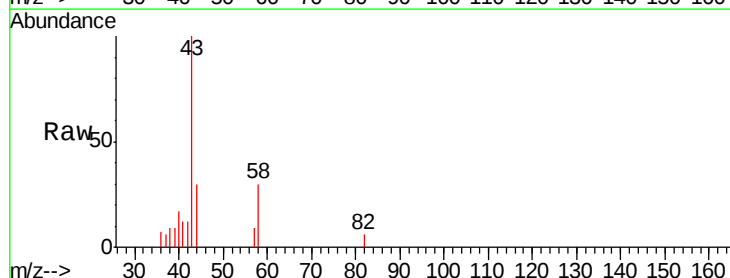
Acq: 20 Nov 2018 13:45

Tgt Ion: 43 Resp: 7805

Ion Ratio Lower Upper

43 100

58 32.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)

3.82

3000

2500

2000

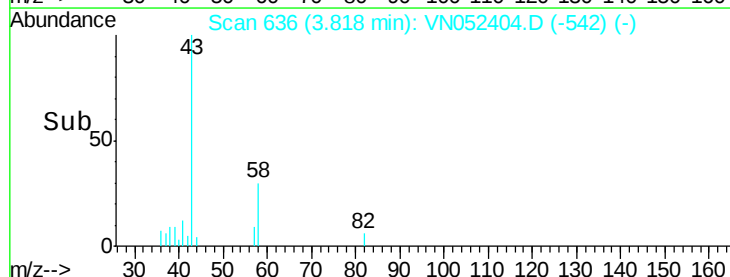
1500

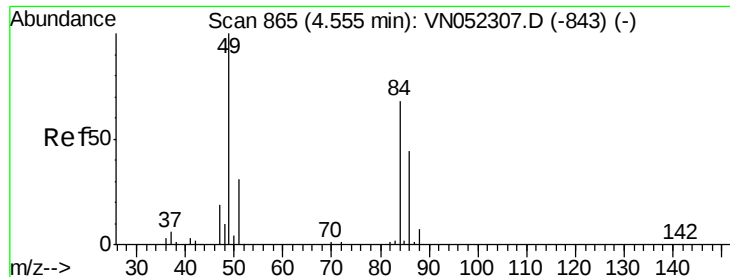
1000

500

0

Time-->

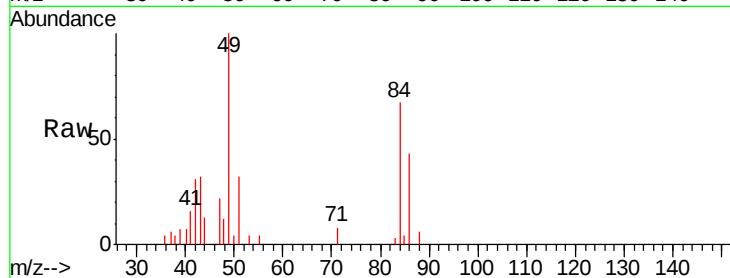




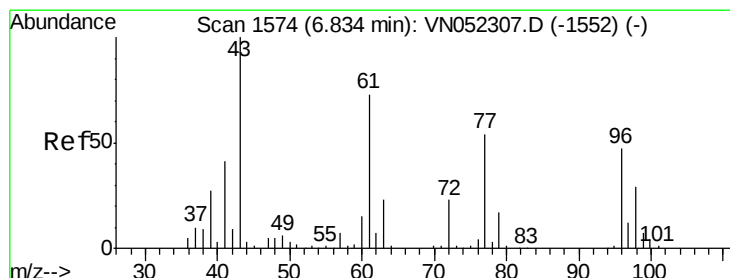
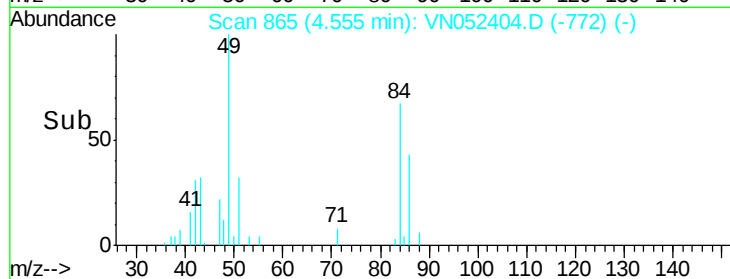
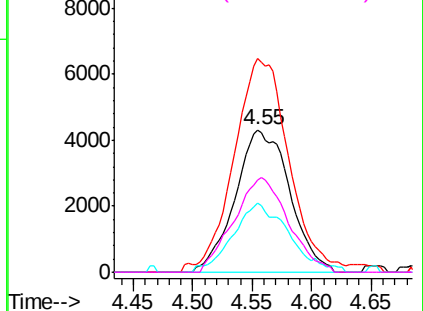
#20
Methylene Chloride
Concen: 3.28 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052404.D
Acq: 20 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampled :
AOC2-03A

Tgt Ion: 84 Resp: 13671
Ion Ratio Lower Upper
84 100
49 143.7 118.2 177.2
51 48.3 36.1 54.1
86 64.7 51.6 77.4

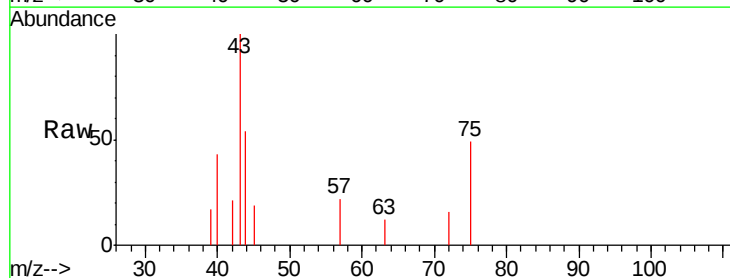


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

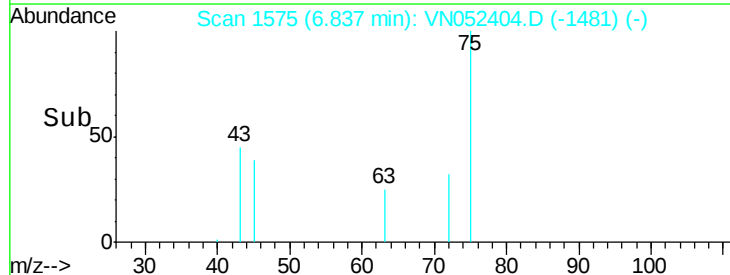
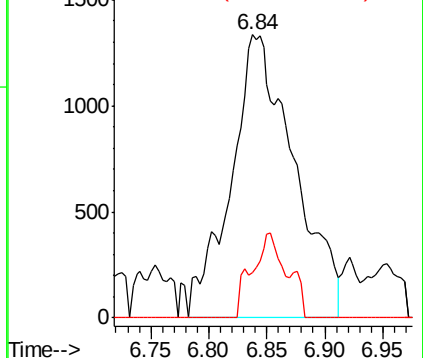


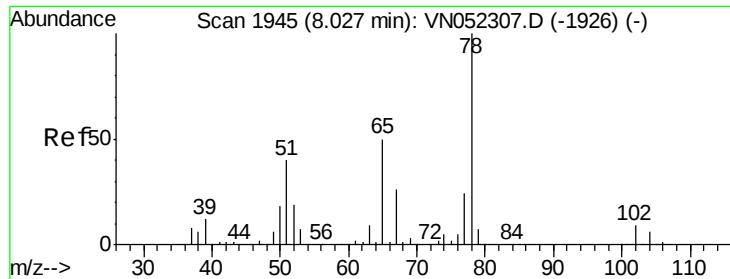
#25
2-Butanone
Concen: 3.14 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052404.D
Acq: 20 Nov 2018 13:45

Tgt Ion: 43 Resp: 5055
Ion Ratio Lower Upper
43 100
72 16.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

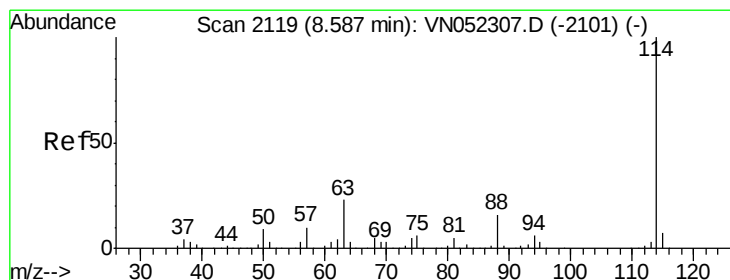
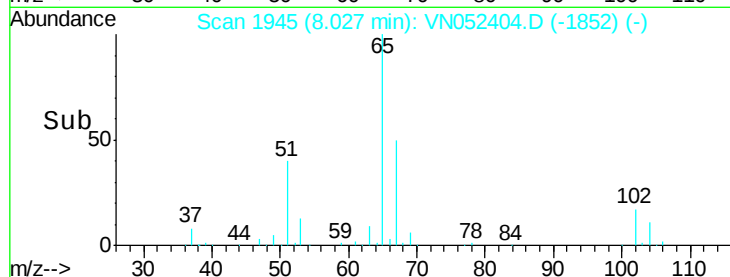
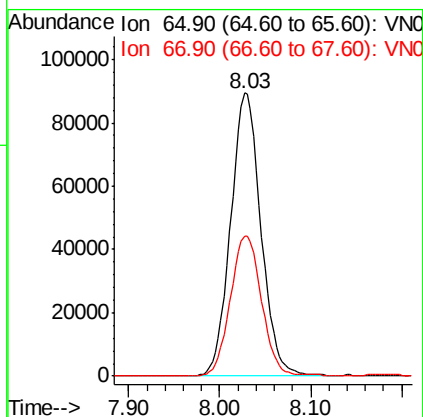
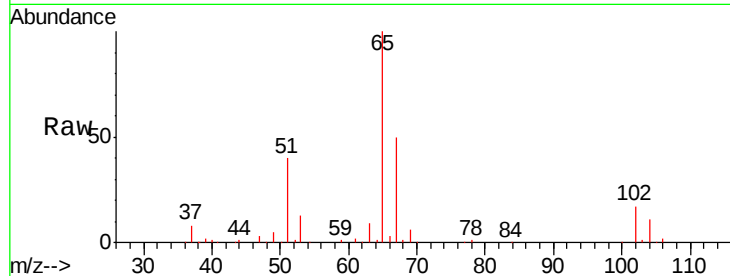




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052404.D
 Acq: 20 Nov 2018 13:45

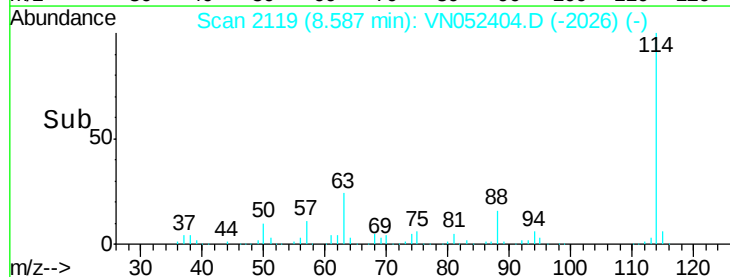
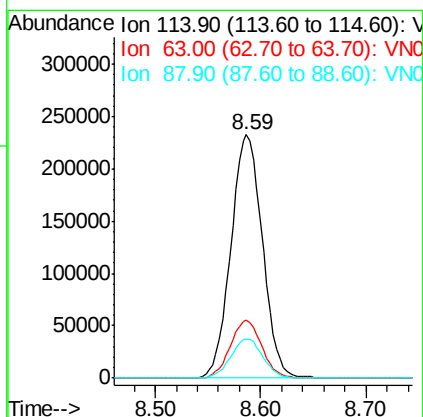
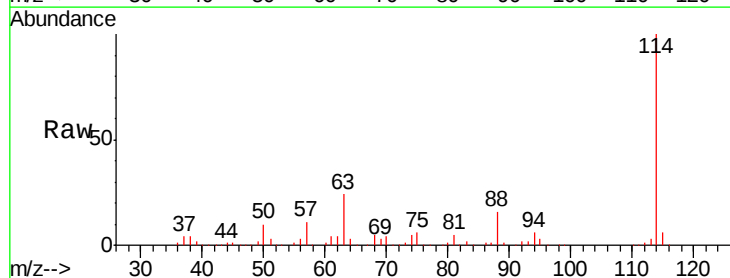
Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-03A

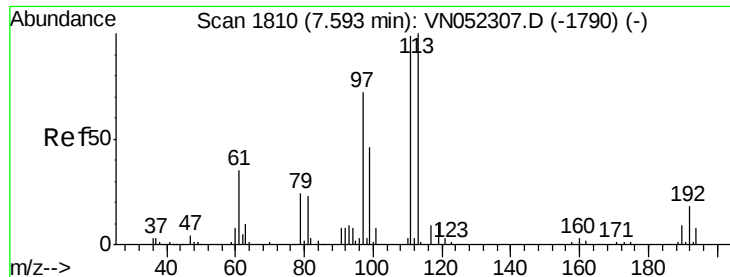
Tgt Ion: 65 Resp: 207126
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052404.D
 Acq: 20 Nov 2018 13:45

Tgt Ion: 114 Resp: 481731
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.4
 88 16.1 0.0 31.2

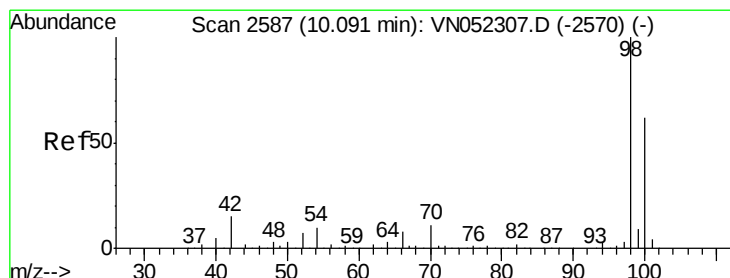
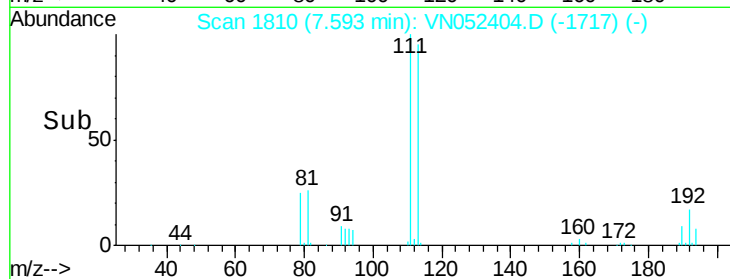
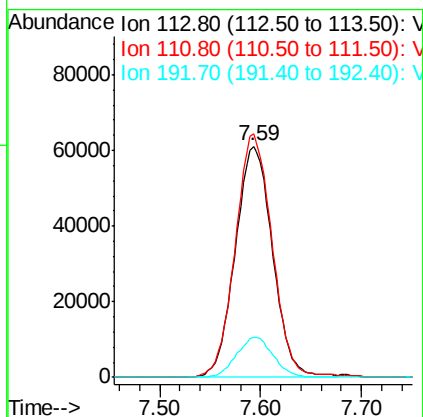
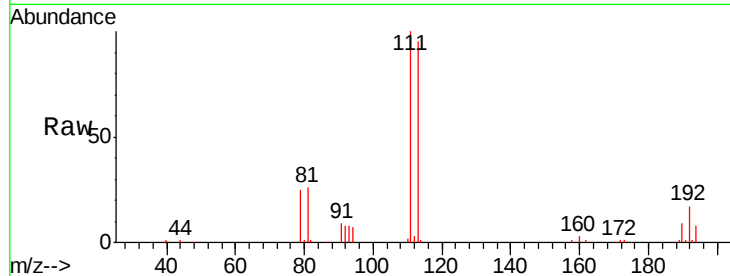




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052404.D
 Acq: 20 Nov 2018 13:45

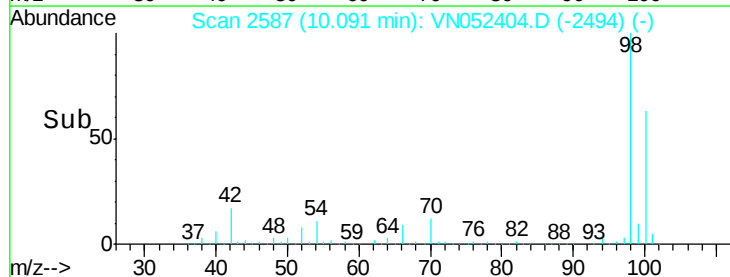
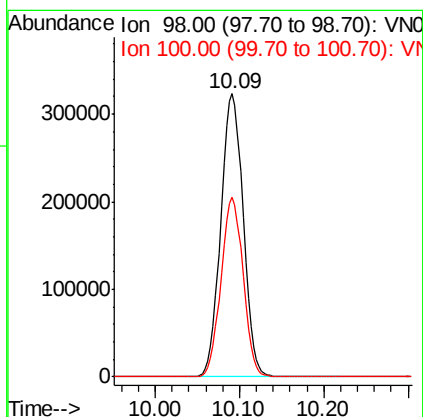
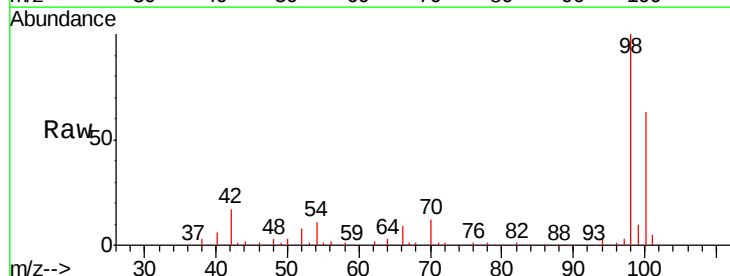
Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-03A

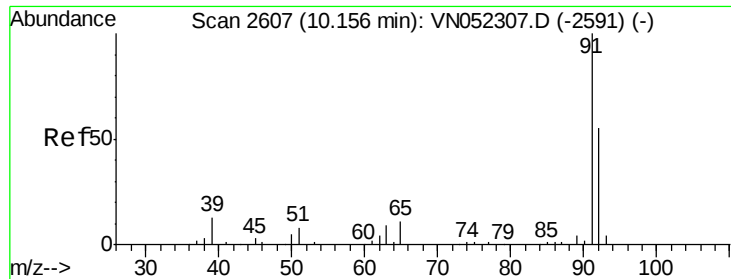
Tgt Ion: 113 Resp: 157055
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.0 121.6
 192 17.0 13.8 20.6



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052404.D
 Acq: 20 Nov 2018 13:45

Tgt Ion: 98 Resp: 598897
 Ion Ratio Lower Upper
 98 100
 100 62.2 49.5 74.3





#52

Toluene

Concen: 0.49 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052404.D

Acq: 20 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

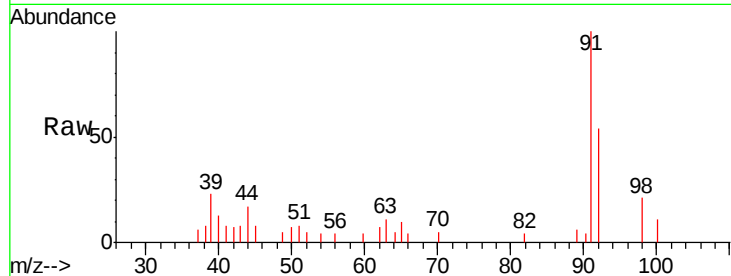
AOC2-03A

Tgt Ion: 92 Resp: 4072

Ion Ratio Lower Upper

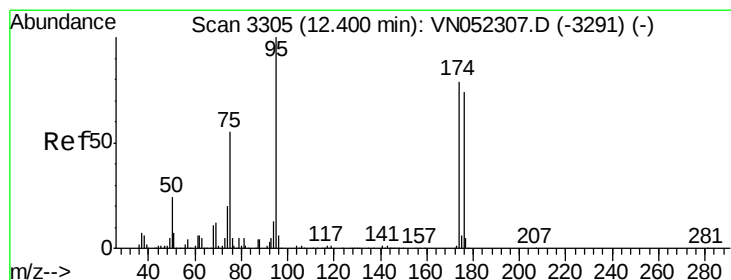
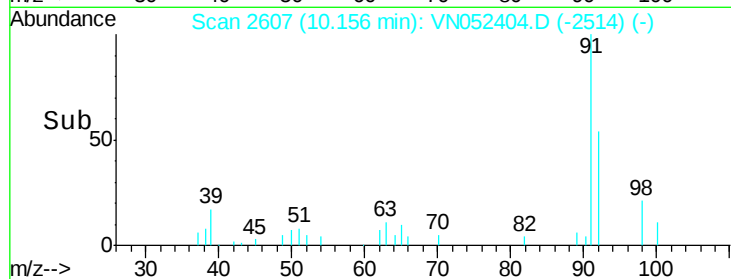
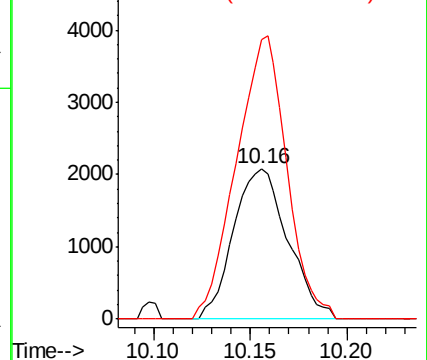
92 100

91 174.4 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052404.D

Acq: 20 Nov 2018 13:45

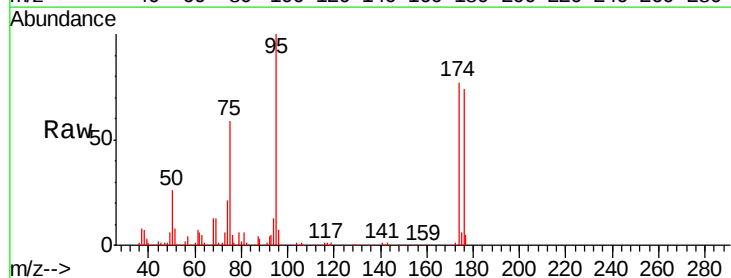
Tgt Ion: 95 Resp: 169590

Ion Ratio Lower Upper

95 100

174 77.2 0.0 156.0

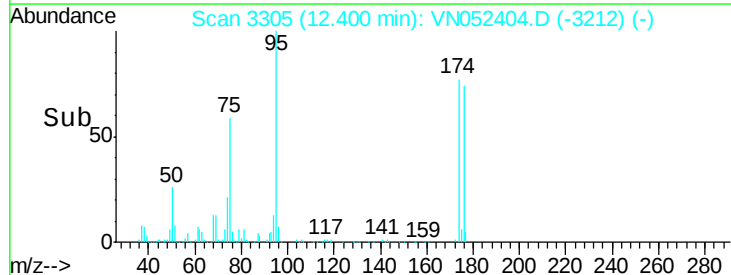
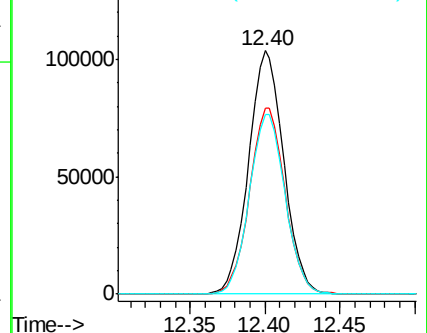
176 75.2 0.0 148.4

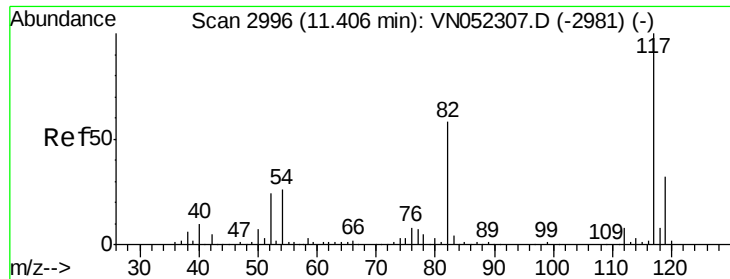


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052404.D

Acq: 20 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

AOC2-03A

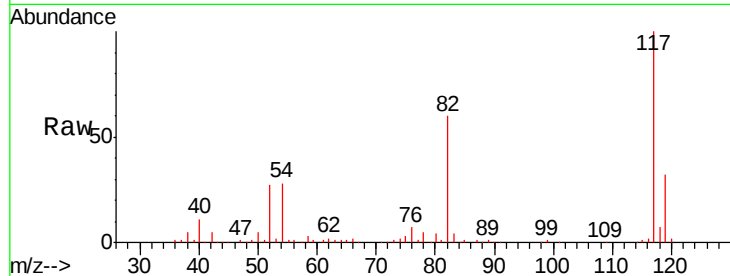
Tgt Ion: 117 Resp: 397736

Ion Ratio Lower Upper

117 100

82 59.8 46.5 69.7

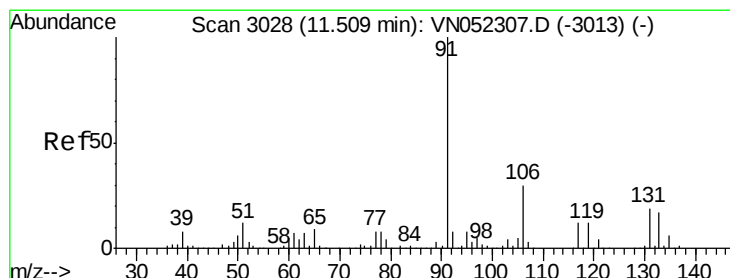
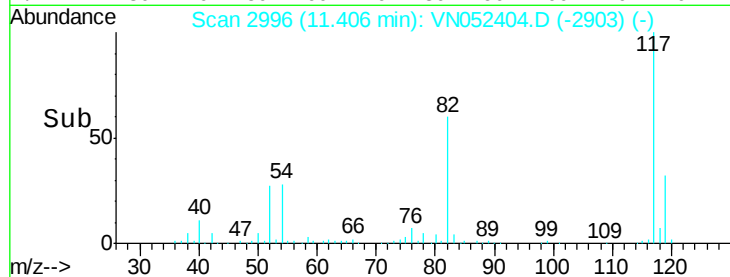
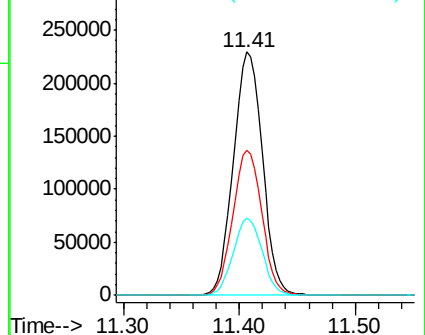
119 31.8 25.7 38.5



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: 0.50 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052404.D

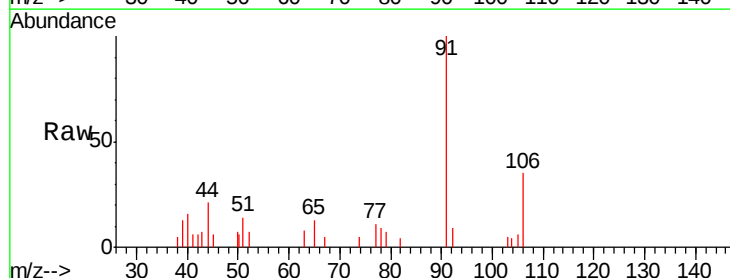
Acq: 20 Nov 2018 13:45

Tgt Ion: 91 Resp: 7287

Ion Ratio Lower Upper

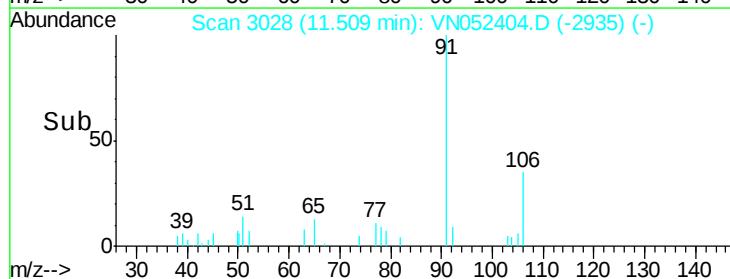
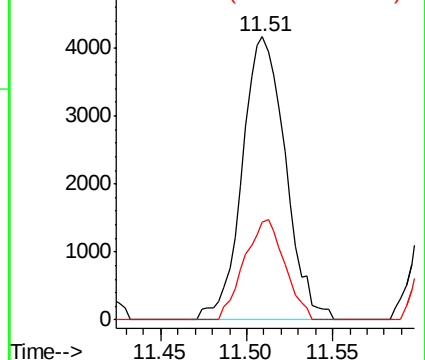
91 100

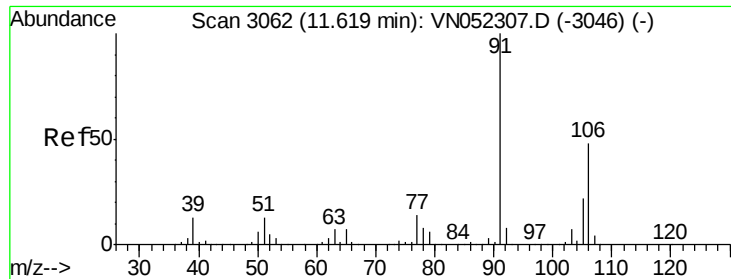
106 34.6 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

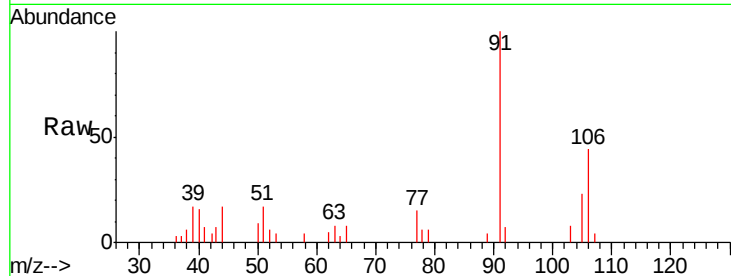




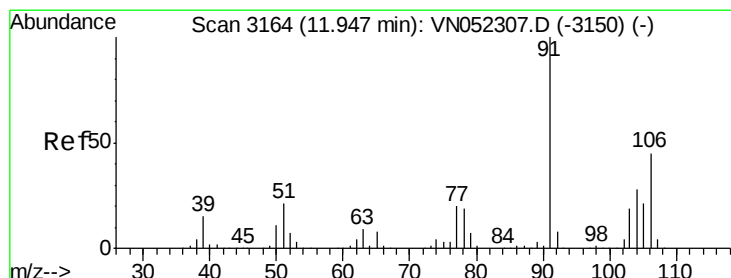
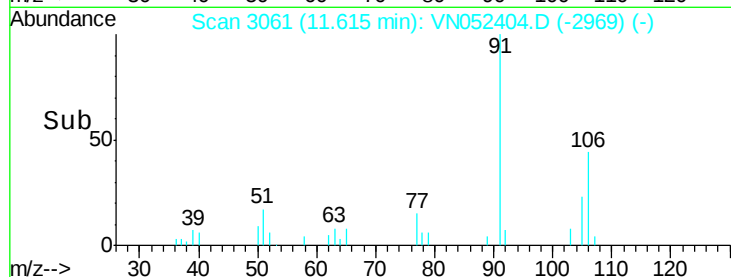
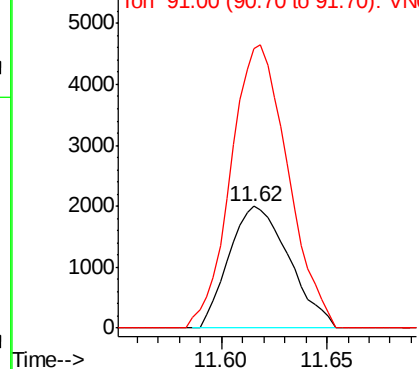
#68
m/p-Xylenes
Concen: 0.74 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN052404.D
Acq: 20 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampled :
AOC2-03A

Tgt Ion:106 Resp: 3968
Ion Ratio Lower Upper
106 100
91 220.5 165.5 248.3

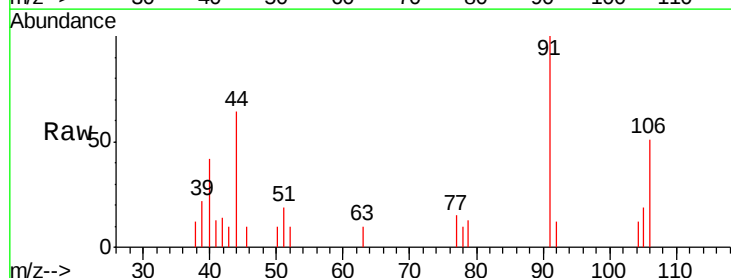


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

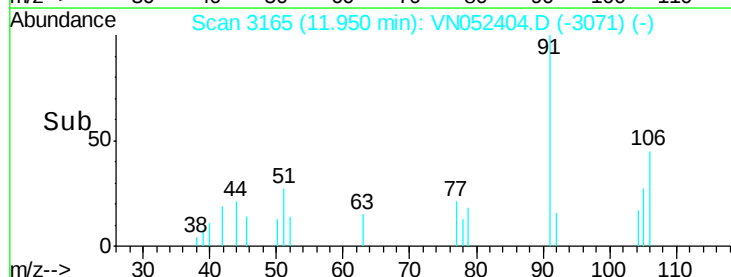
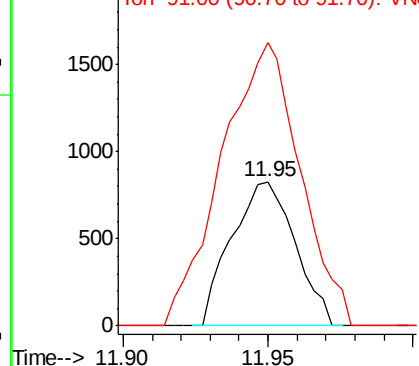


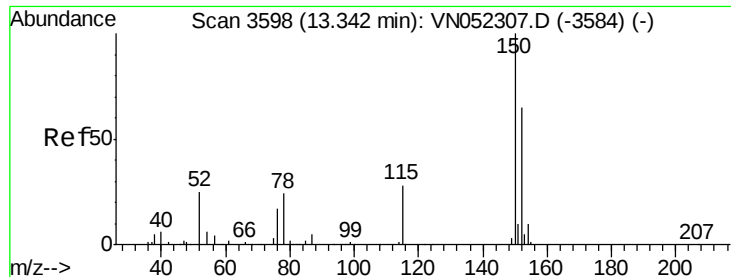
#69
o-Xylene
Concen: 0.25 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052404.D
Acq: 20 Nov 2018 13:45

Tgt Ion:106 Resp: 1259
Ion Ratio Lower Upper
106 100
91 243.4 110.0 330.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052404.D

Acq: 20 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

AOC2-03A

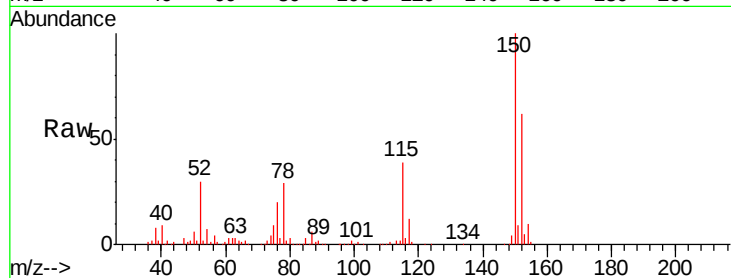
Tgt Ion:152 Resp: 134215

Ion Ratio Lower Upper

152 100

115 62.2 30.3 91.0

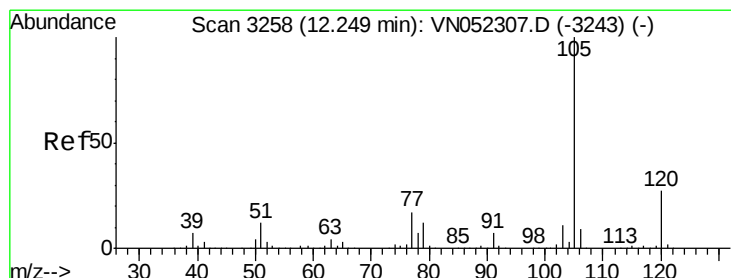
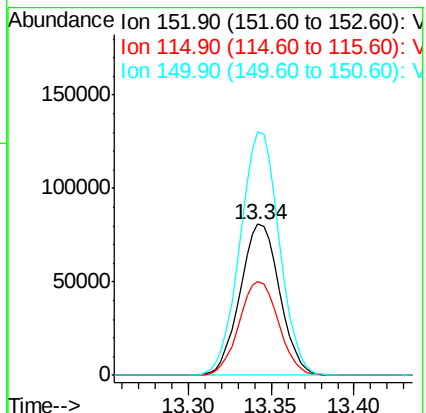
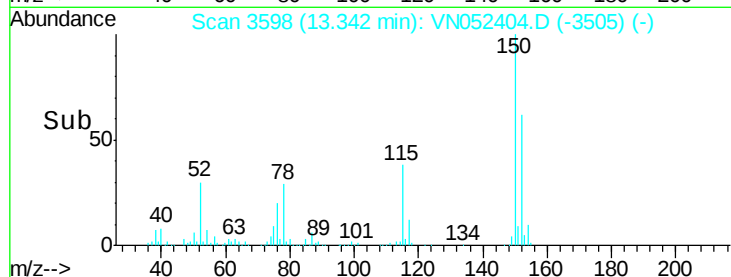
150 160.2 0.0 348.2



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: 0.27 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN052404.D

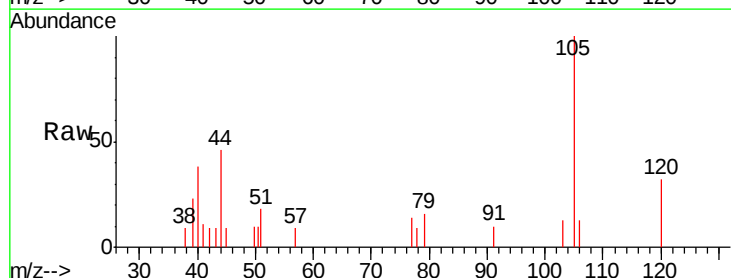
Acq: 20 Nov 2018 13:45

Tgt Ion:105 Resp: 2866

Ion Ratio Lower Upper

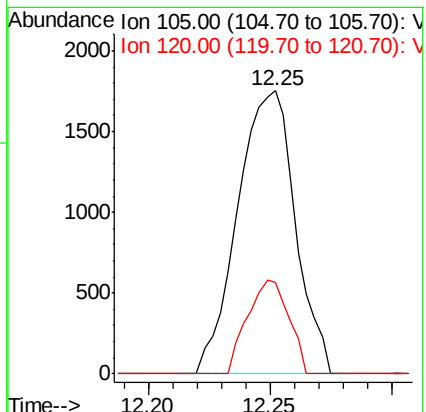
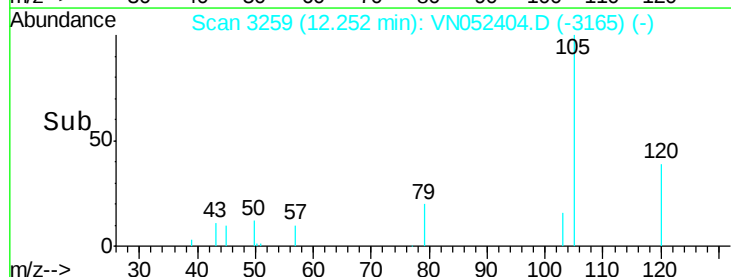
105 100

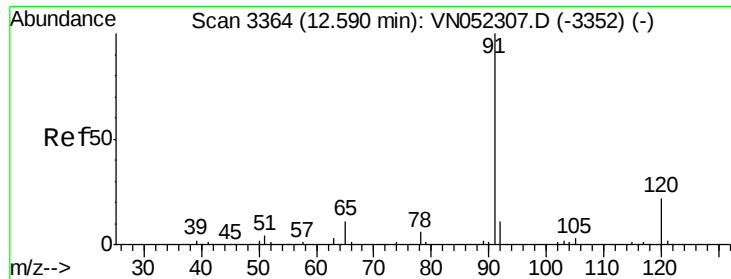
120 23.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

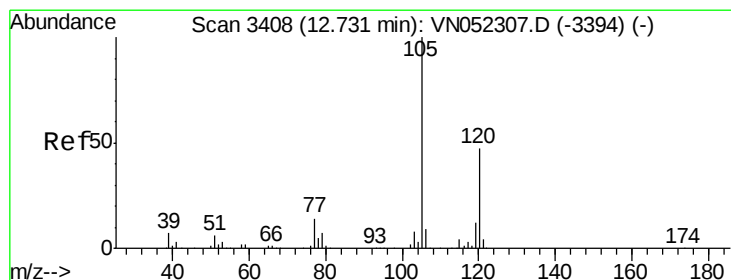
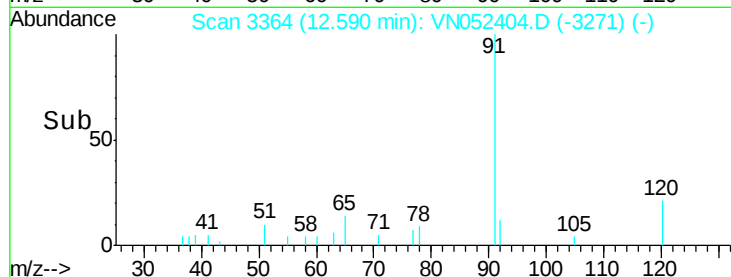
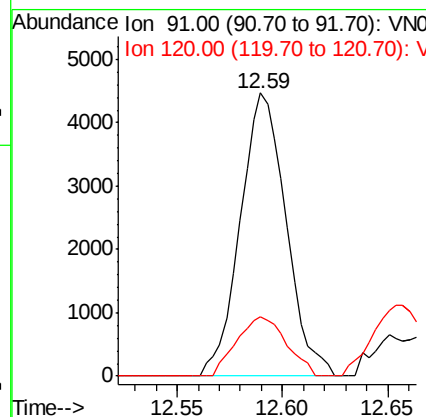
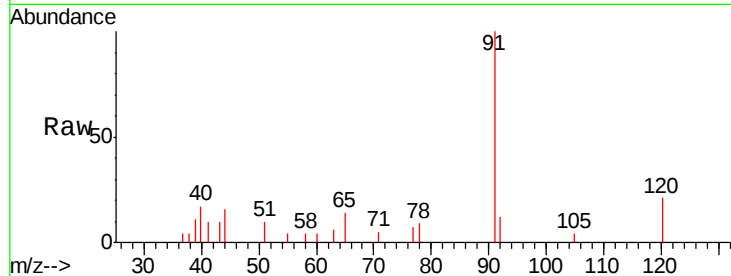




#78
n-propylbenzene
Concen: 0.53 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN052404.D
Acq: 20 Nov 2018 13:45

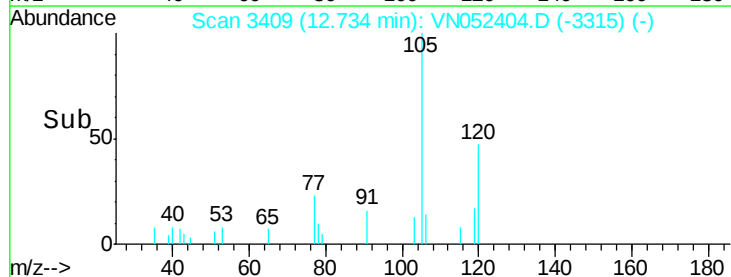
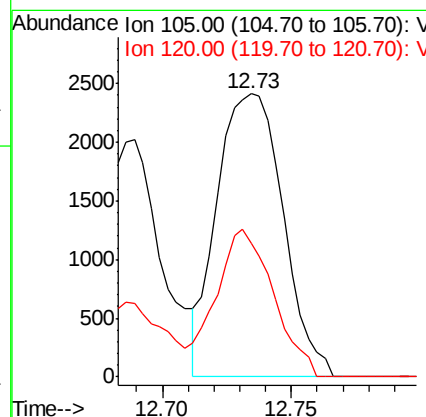
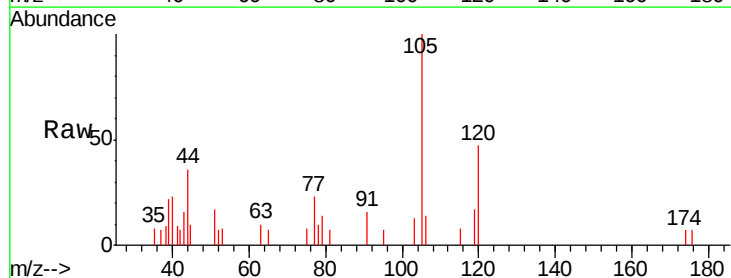
Instrument :
MSVOA_N
ClientSampled :
AOC2-03A

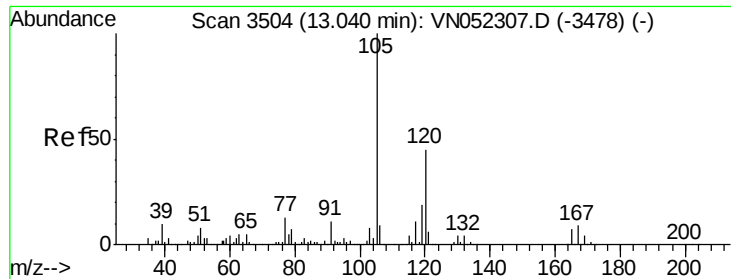
Tgt Ion: 91 Resp: 6745
Ion Ratio Lower Upper
91 100
120 22.6 11.1 33.1



#80
1,3,5-Trimethylbenzene
Concen: 0.50 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN052404.D
Acq: 20 Nov 2018 13:45

Tgt Ion: 105 Resp: 4289
Ion Ratio Lower Upper
105 100
120 45.9 23.7 71.1

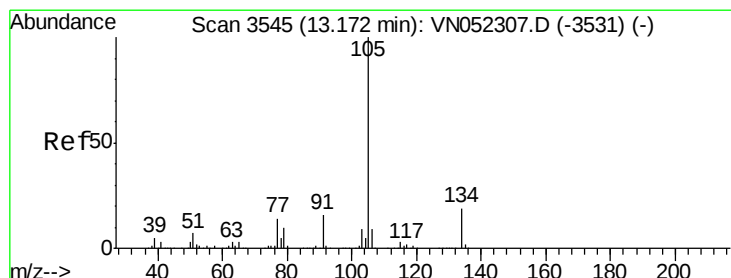
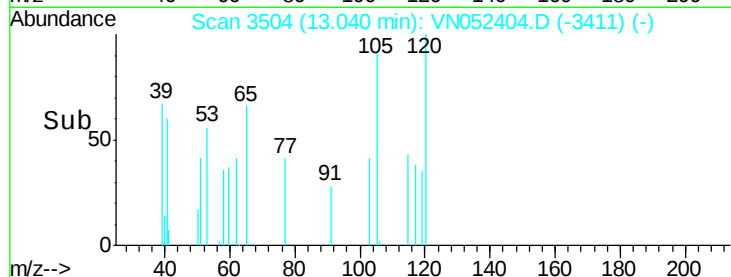
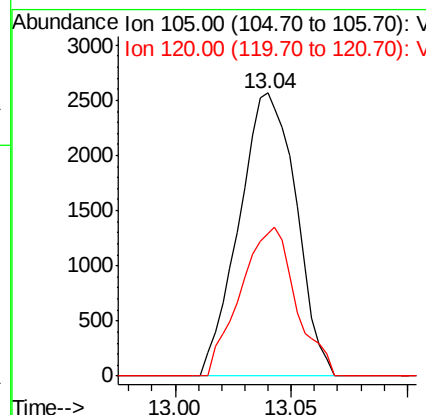
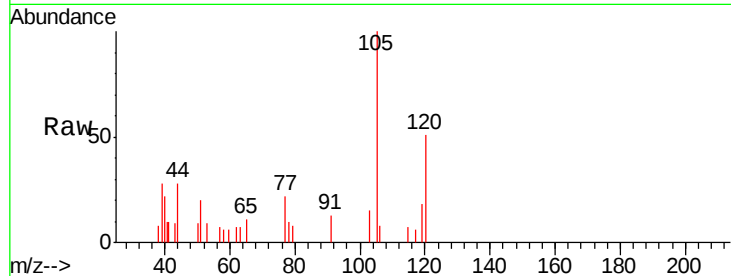




#84
 1,2,4-Trimethylbenzene
 Concen: 0.51 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052404.D
 Acq: 20 Nov 2018 13:45

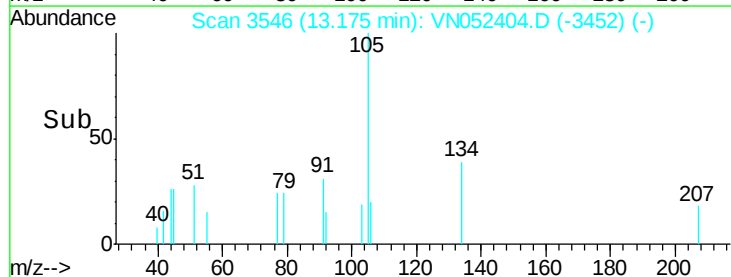
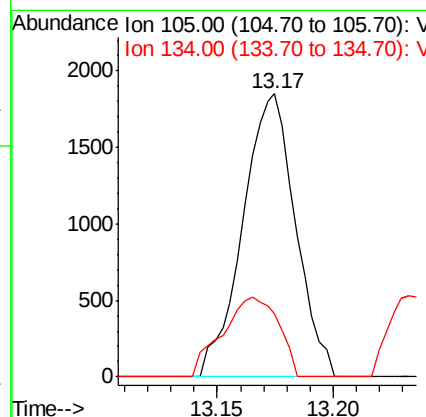
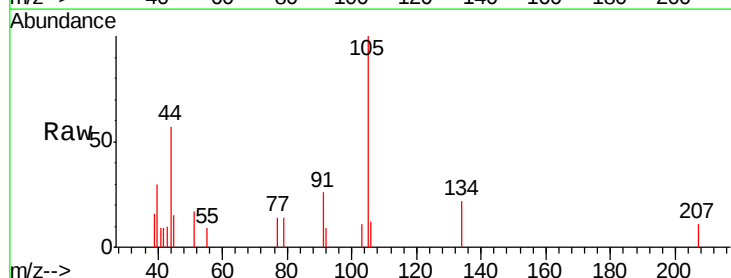
Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-03A

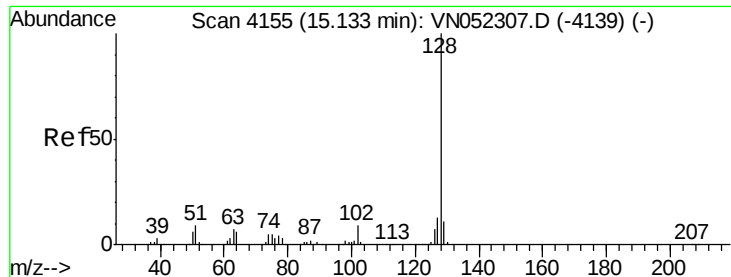
Tgt Ion:105 Resp: 4382
 Ion Ratio Lower Upper
 105 100
 120 51.2 22.5 67.5



#85
 sec-Butylbenzene
 Concen: 0.28 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052404.D
 Acq: 20 Nov 2018 13:45

Tgt Ion:105 Resp: 2925
 Ion Ratio Lower Upper
 105 100
 134 29.8 9.5 28.5#





#95

Naphthalene

Concen: 2.75 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052404.D

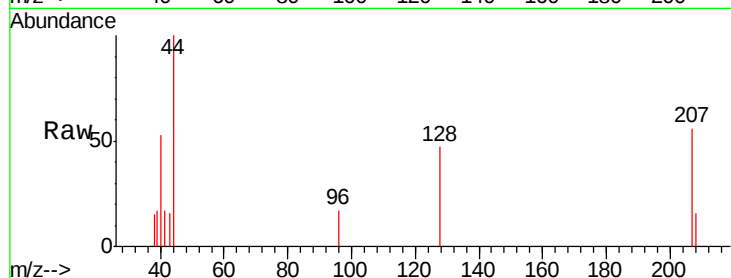
Acq: 20 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

AOC2-03A



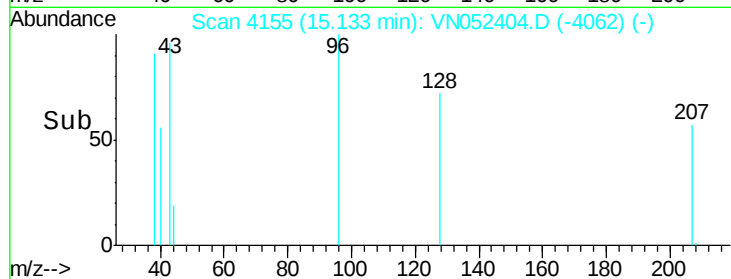
Tgt Ion:128 Resp: 716

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

