

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058063.D
 Acq On : 14 Sep 2019 9:39
 Operator : JC/SP
 Sample : K4850-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC-7-(7)

Quant Time: Sep 16 05:59:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	328059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	568722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	528034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	294161	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	376677	56.69	ug/l	0.00
Spiked Amount			Recovery	=	113.38%	
35) Dibromofluoromethane	7.57	113	253145	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	10.09	98	1046575	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.40	95	352750	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	

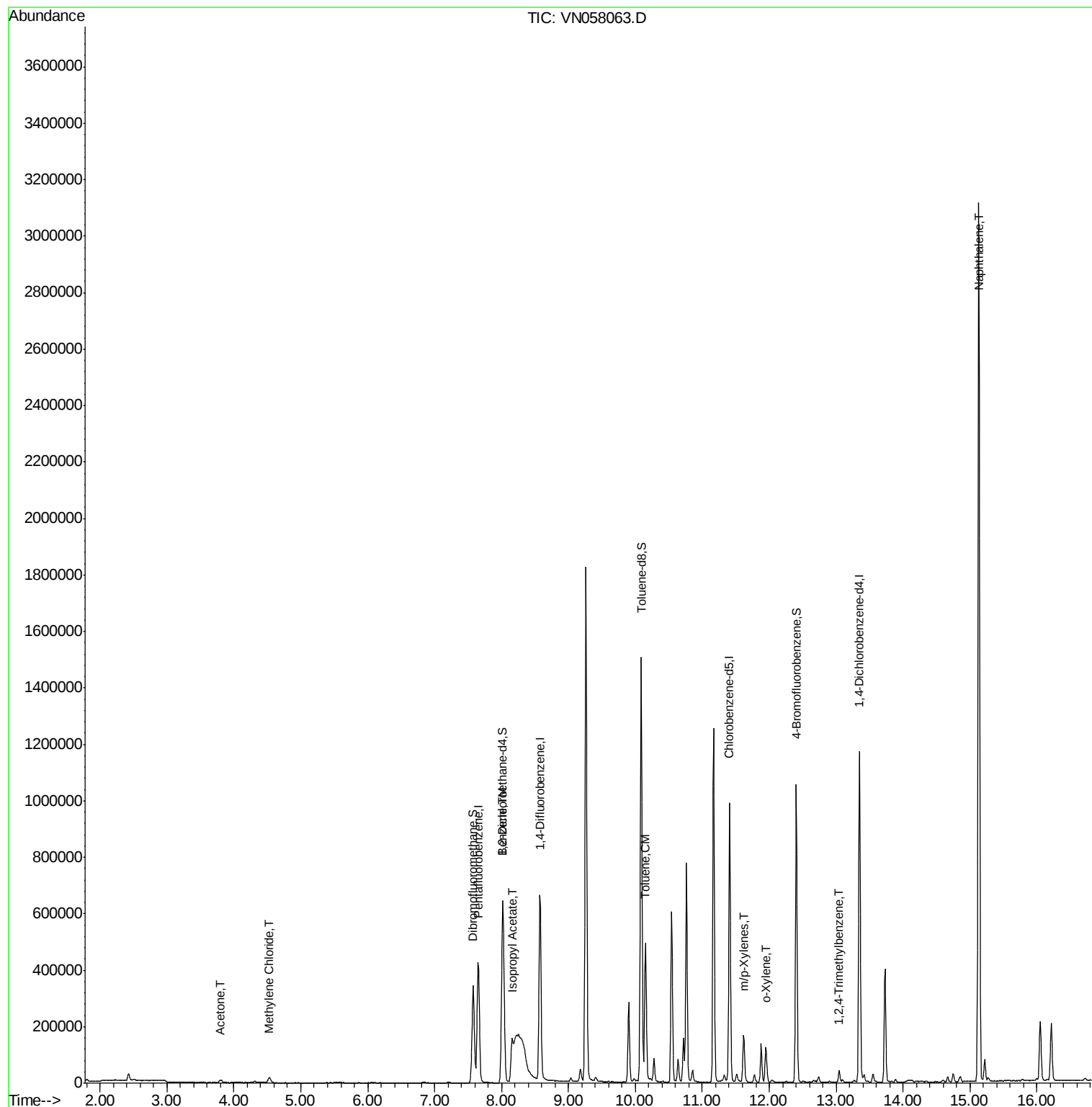
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	17533	8.049	ug/l	90
20) Methylene Chloride	4.53	84	13202	2.002	ug/l #	92
40) Benzene	8.03	78	303914	15.305	ug/l	98
43) Isopropyl Acetate	8.16	43	189261	16.515	ug/l #	79
52) Toluene	10.15	92	206776	16.533	ug/l	99
68) m/p-Xylenes	11.62	106	48646	5.484	ug/l	94
69) o-Xylene	11.95	106	30715	3.483	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	24795	1.265	ug/l	91
95) Naphthalene	15.13	128	2423159	143.659	ug/l	99

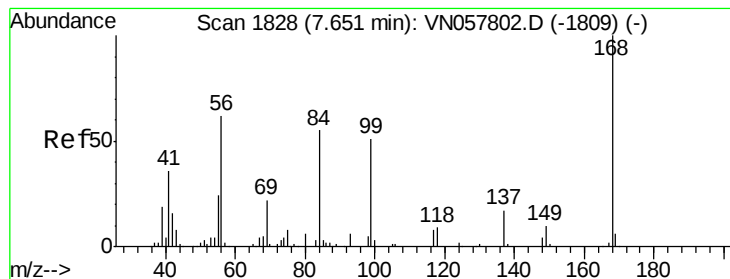
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

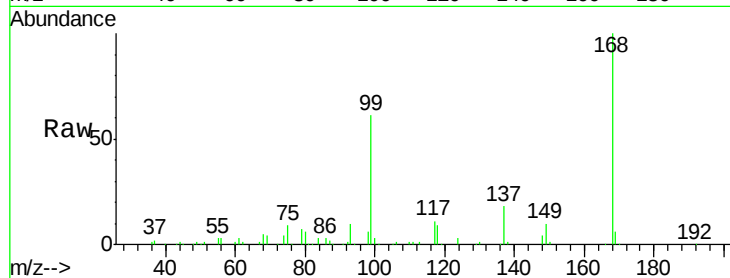
AOC-7(7)

Tot Ion:168 Resp: 328059

Ion Ratio Lower Upper

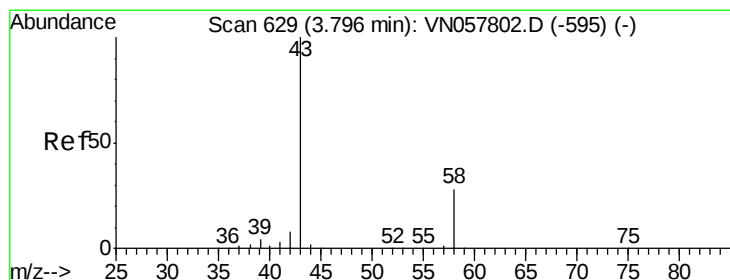
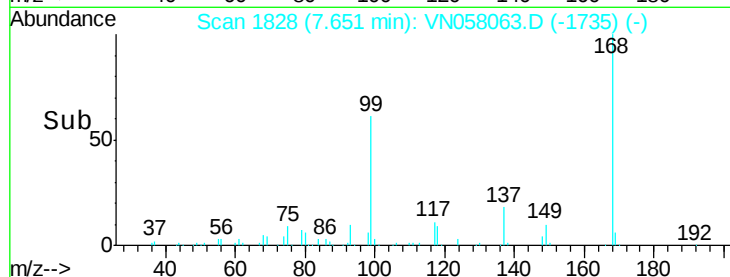
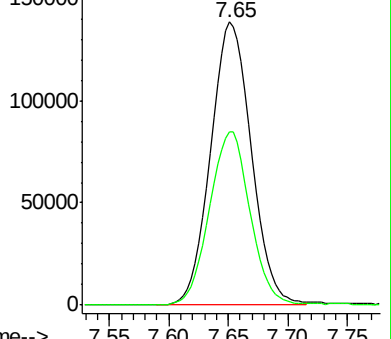
168 100

99 61.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 8.049 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058063.D

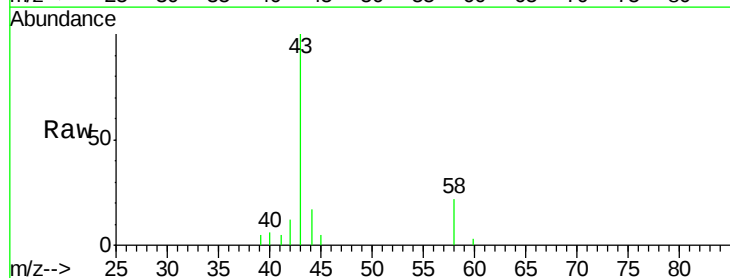
Acq: 14 Sep 2019 9:39

Tgt Ion: 43 Resp: 17533

Ion Ratio Lower Upper

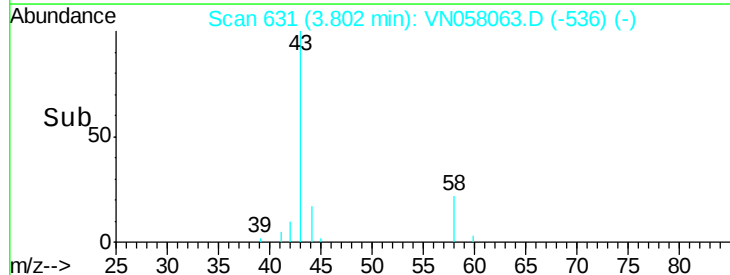
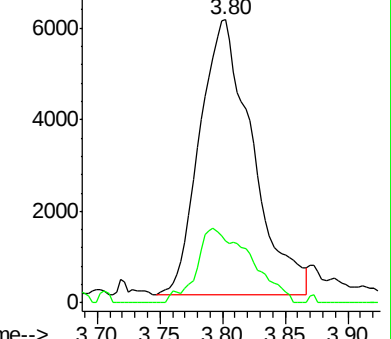
43 100

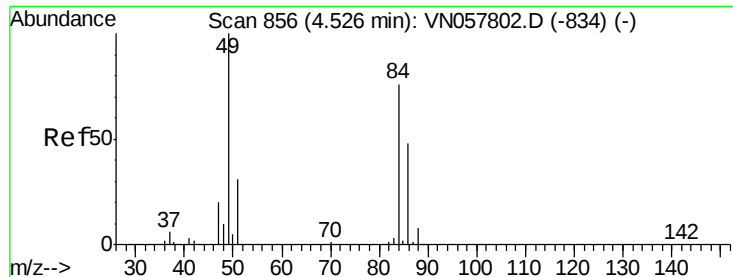
58 22.3 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

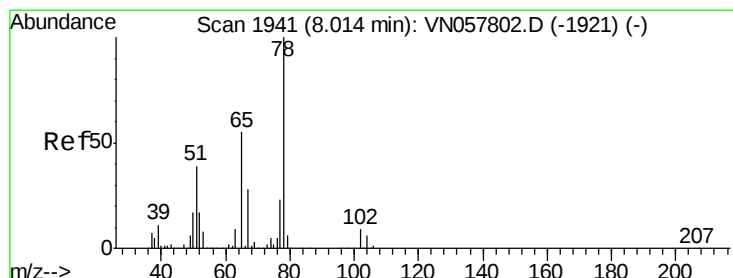
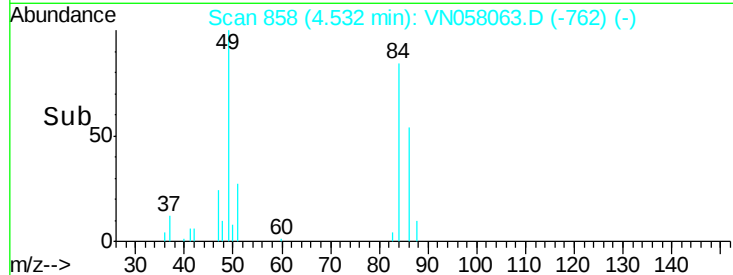
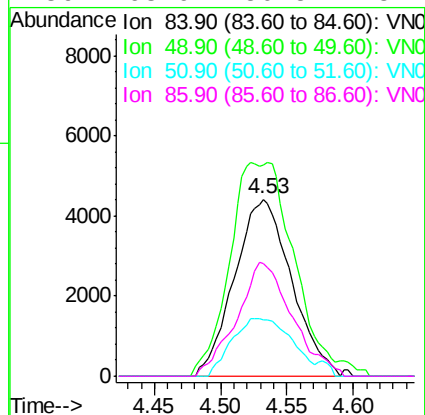
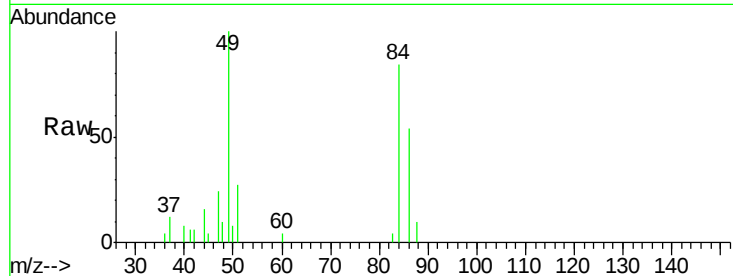




#20
Methvlene Chloride
Concen: 2.002 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058063.D
Acq: 14 Sep 2019 9:39

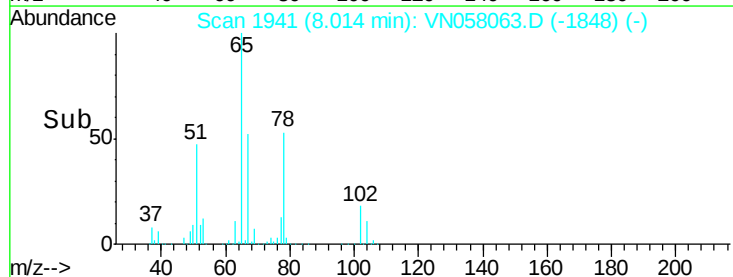
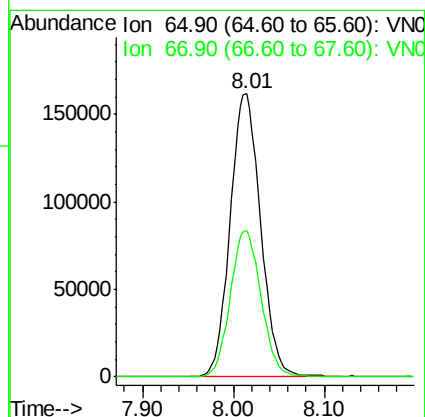
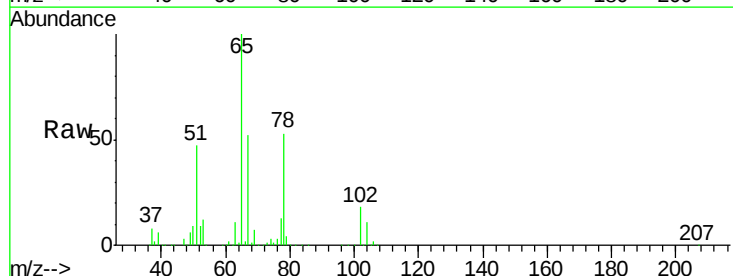
Instrument :
MSVOA_N
ClientSampled :
AOC-7(7)

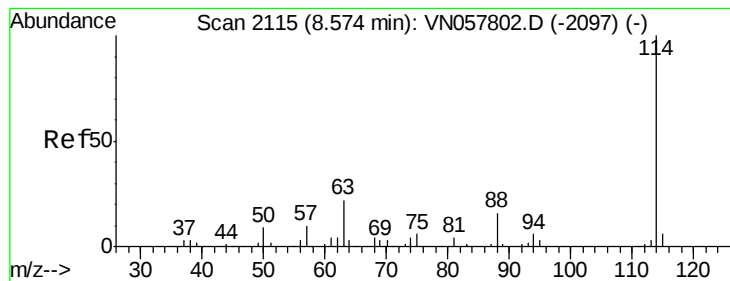
Tot Ion	84	Resp	13202
Ion Ratio	Lower	Upper	
84	100		
49	119.3	104.8	157.2
51	32.1	33.0	49.4#
86	63.9	50.5	75.7



#33
1,2-Dichloroethane-d4
Concen: 56.689 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058063.D
Acq: 14 Sep 2019 9:39

Tgt Ion	65	Resp	376677
Ion Ratio	Lower	Upper	
65	100		
67	52.3	0.0	104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

AOC-7(7)

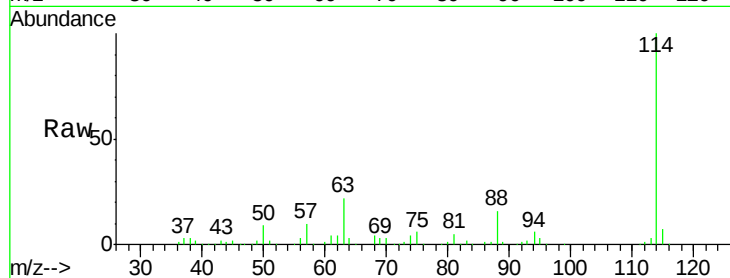
Tot Ion:114 Resp: 568722

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.0

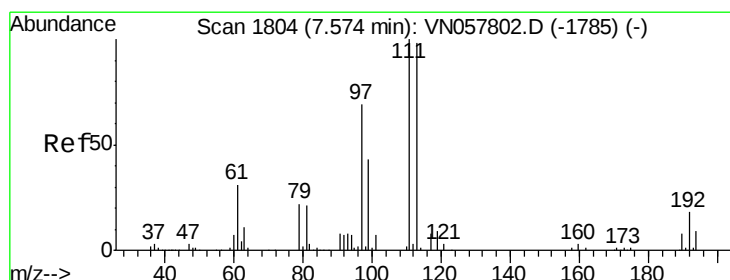
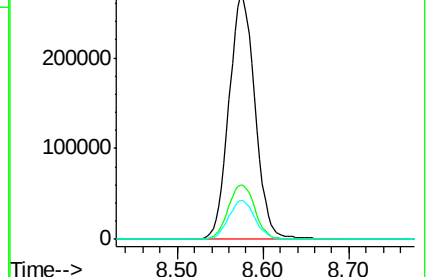
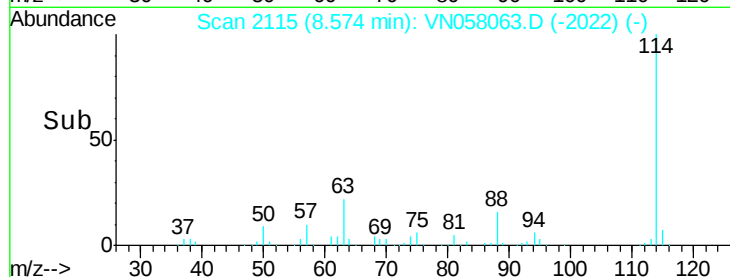
88 16.1 0.0 31.4



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: 48.227 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

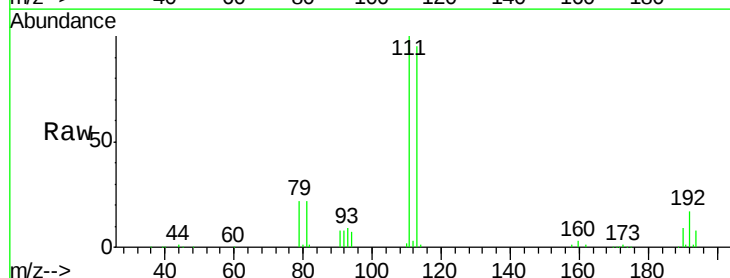
Tgt Ion:113 Resp: 253145

Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

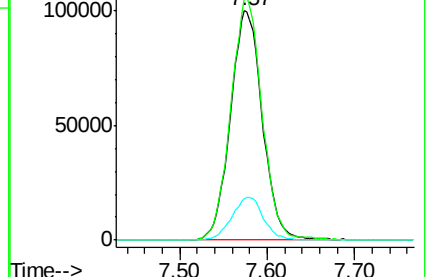
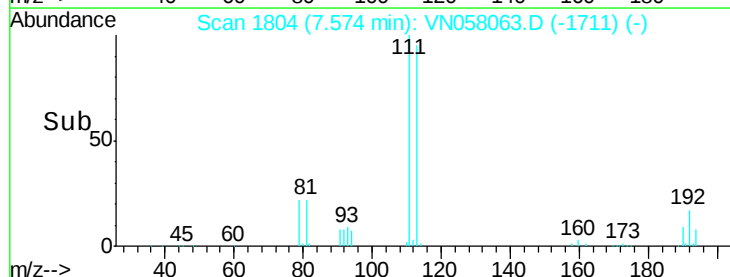
192 18.5 14.6 22.0

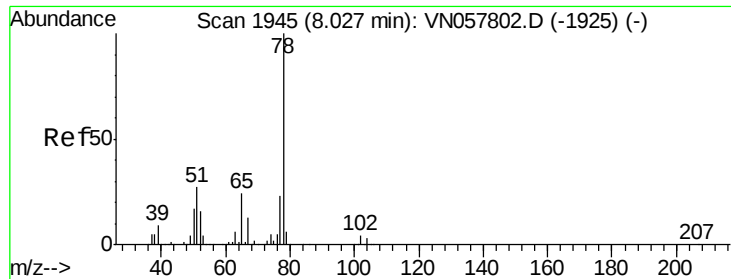


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 15.305 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

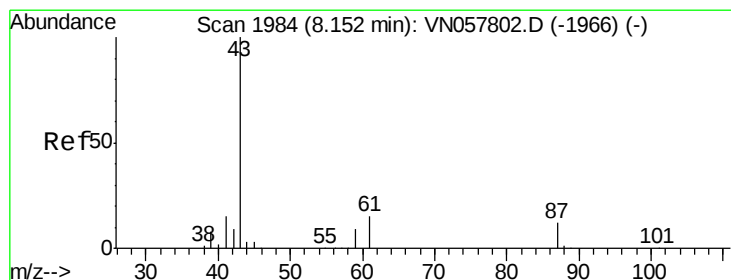
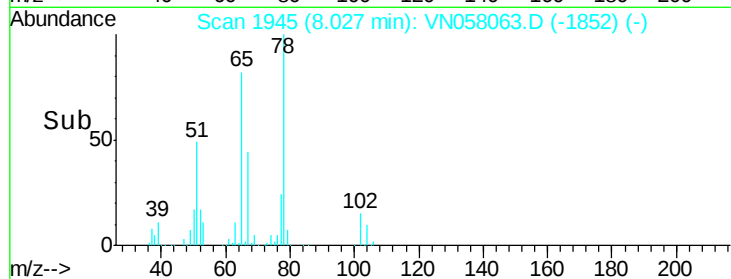
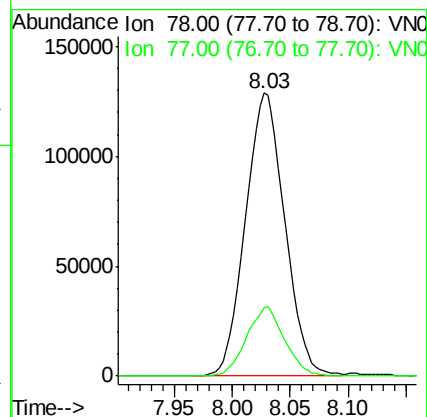
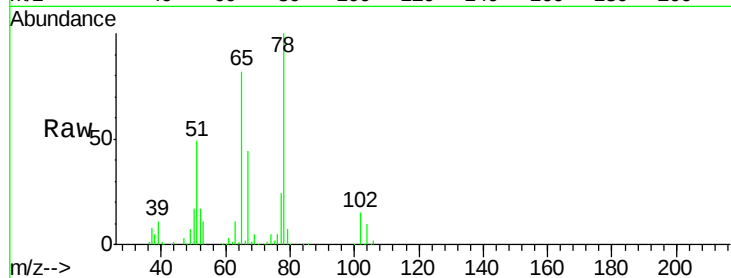
AOC-7(7)

Tot Ion: 78 Resp: 303914

Ion Ratio Lower Upper

78 100

77 23.9 18.3 27.5



#43

Isopropyl Acetate

Concen: 16.515 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

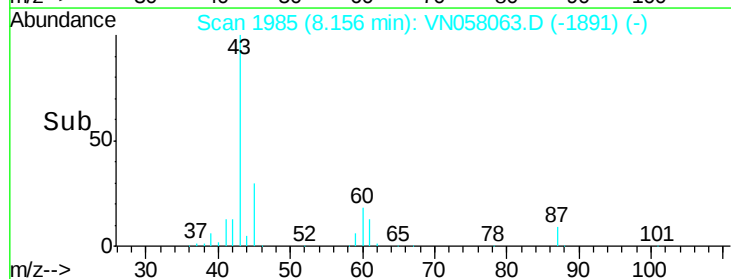
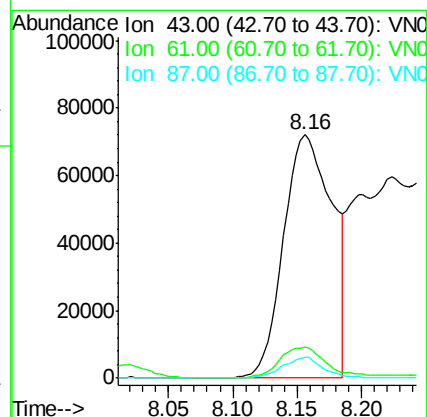
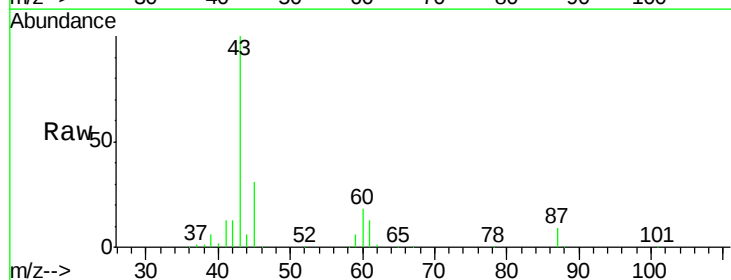
Tgt Ion: 43 Resp: 189261

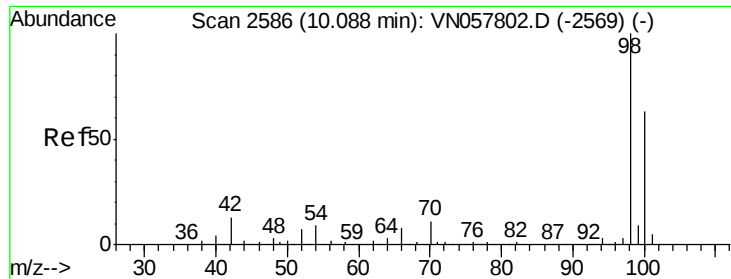
Ion Ratio Lower Upper

43 100

61 12.6 20.1 30.1#

87 7.1 9.5 14.3#





#50

Toluene-d8

Concen: 51.354 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

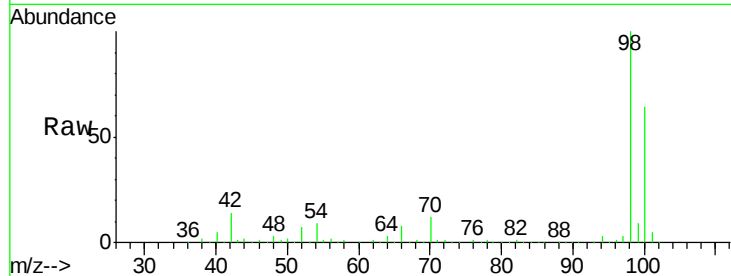
AOC-7(7)

Tot Ion: 98 Resp: 1046575

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)

10.09

600000

500000

400000

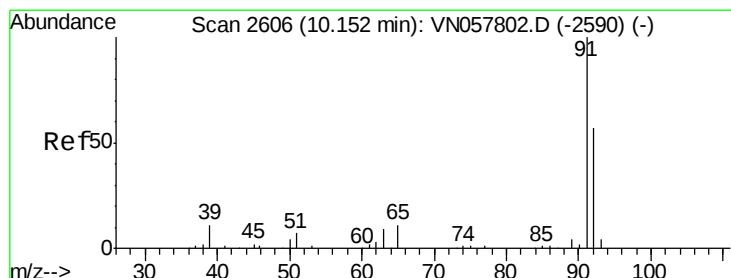
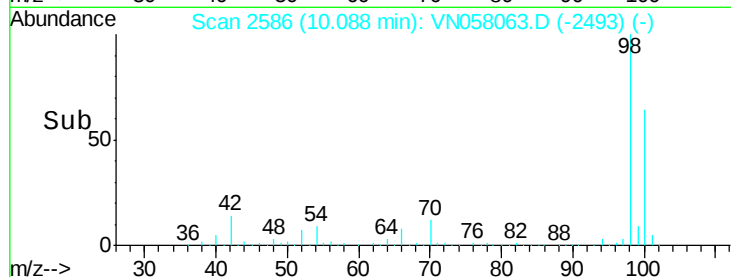
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 16.533 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058063.D

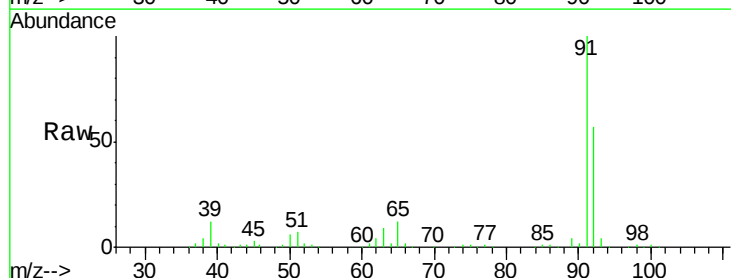
Acq: 14 Sep 2019 9:39

Tgt Ion: 92 Resp: 206776

Ion Ratio Lower Upper

92 100

91 177.4 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)

10.15

200000

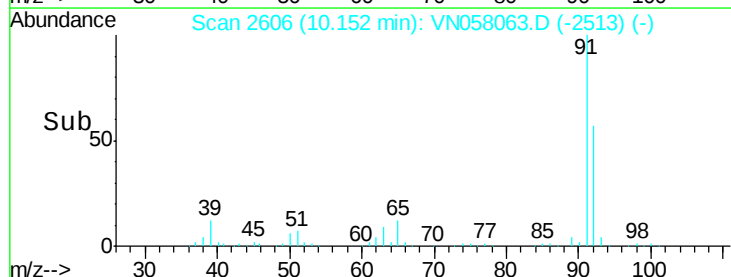
150000

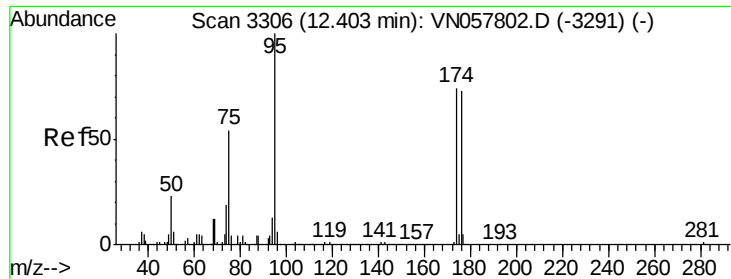
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.420 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

AOC-7(7)

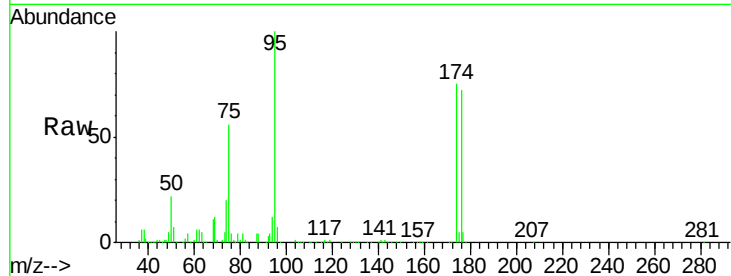
Tot Ion: 95 Resp: 352750

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

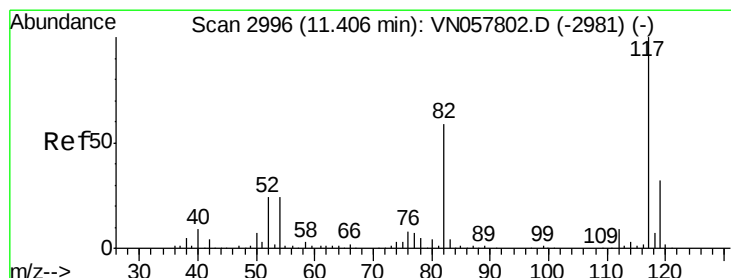
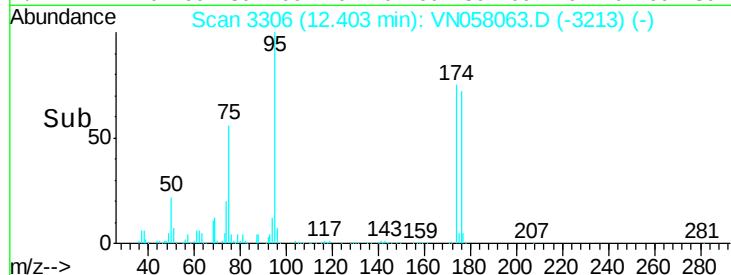
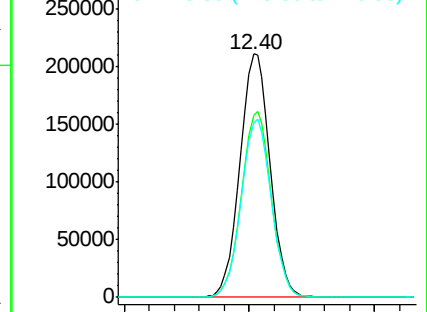
176 73.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

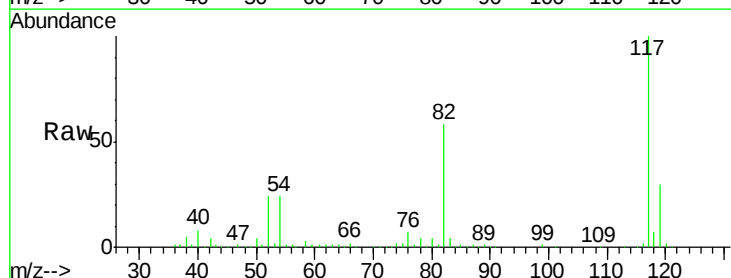
Tgt Ion: 117 Resp: 528034

Ion Ratio Lower Upper

117 100

82 58.0 47.2 70.8

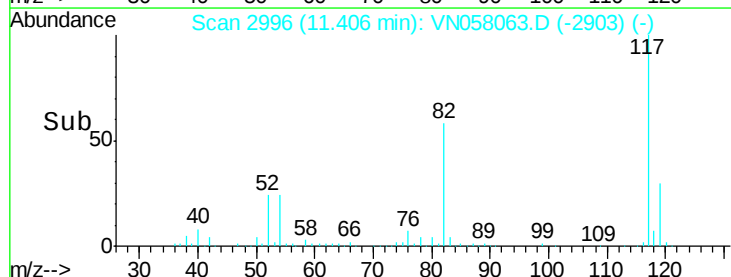
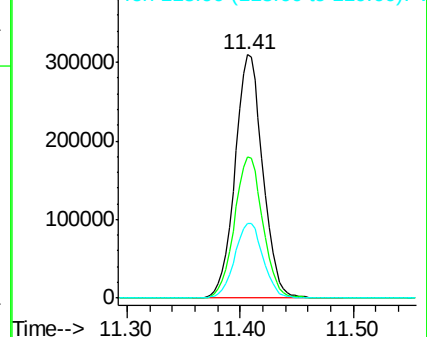
119 30.4 25.3 37.9

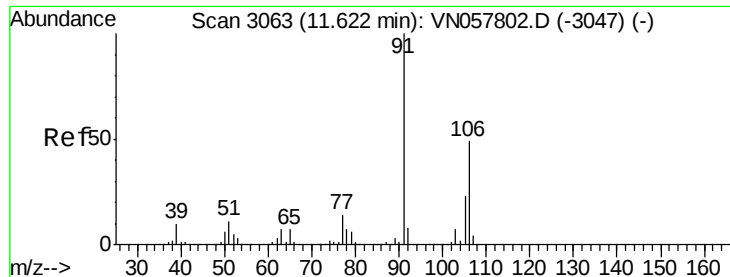


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

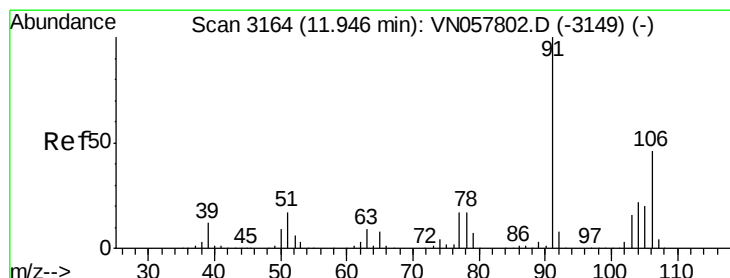
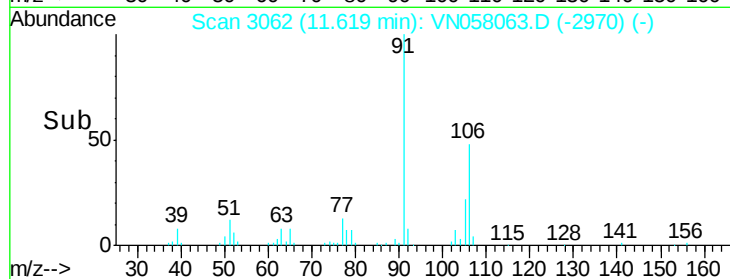
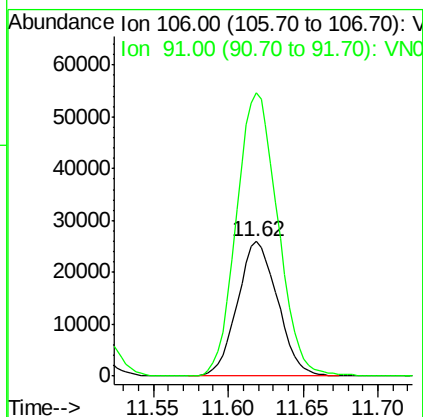
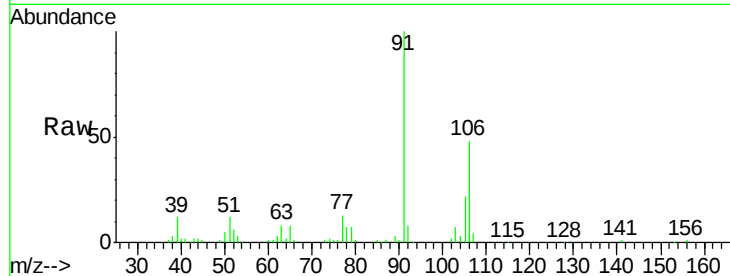




#68
m/p-Xylenes
Concen: 5.484 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058063.D
Acq: 14 Sep 2019 9:39

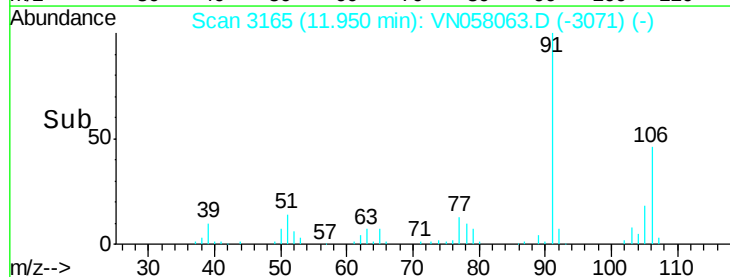
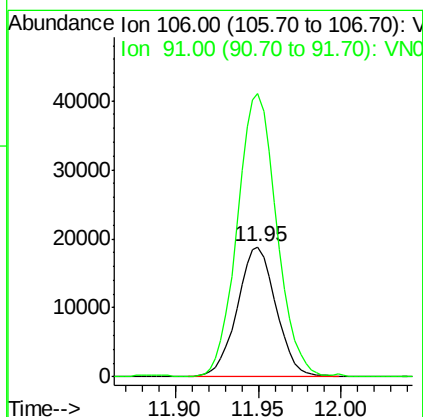
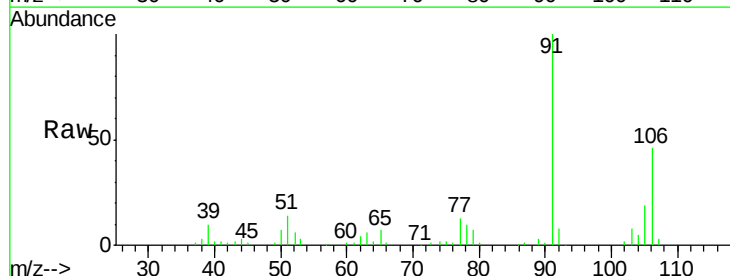
Instrument :
MSVOA_N
ClientSampleId :
AOC-7(7)

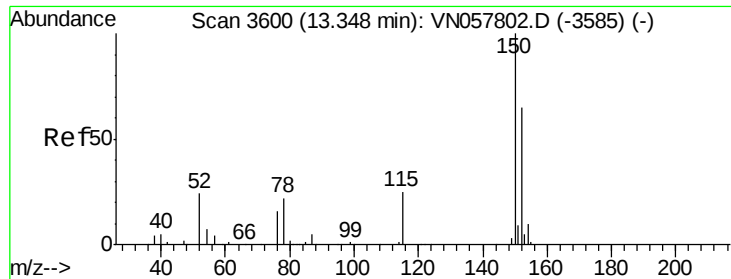
Tot Ion:106 Resp: 48646
Ion Ratio Lower Upper
106 100
91 215.8 165.8 248.6



#69
o-Xylene
Concen: 3.483 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058063.D
Acq: 14 Sep 2019 9:39

Tgt Ion:106 Resp: 30715
Ion Ratio Lower Upper
106 100
91 220.8 108.7 326.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

AOC-7(7)

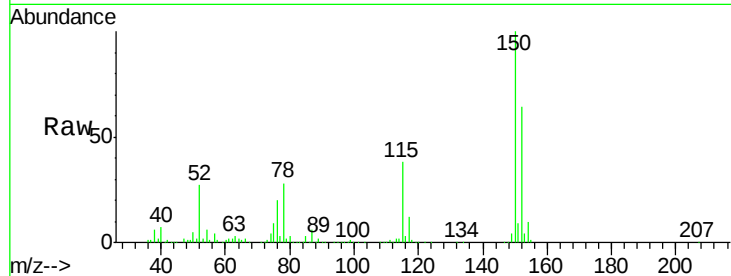
Tot Ion:152 Resp: 294161

Ion Ratio Lower Upper

152 100

115 59.7 30.3 91.0

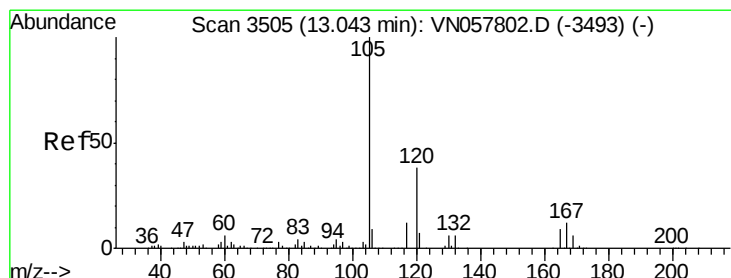
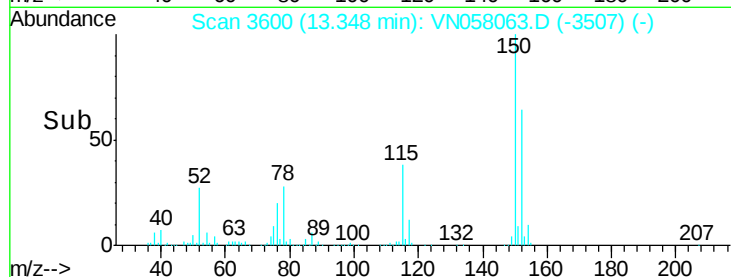
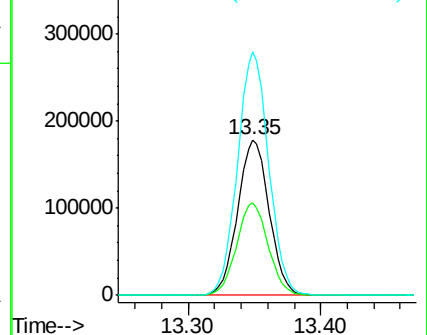
150 154.9 0.0 352.4



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



#84

1,2,4-Trimethylbenzene

Concen: 1.265 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058063.D

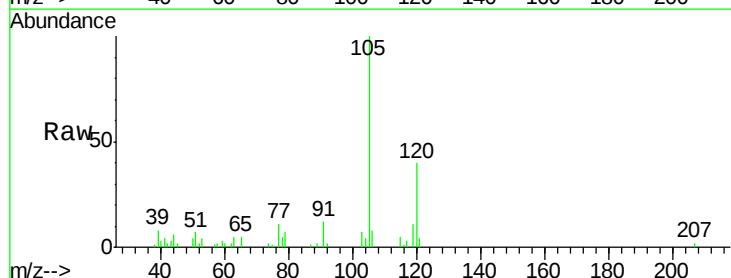
Acq: 14 Sep 2019 9:39

Tgt Ion:105 Resp: 24795

Ion Ratio Lower Upper

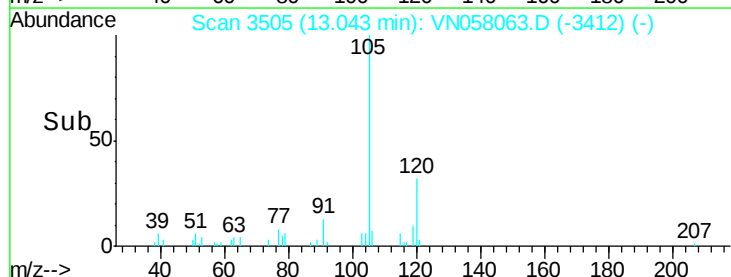
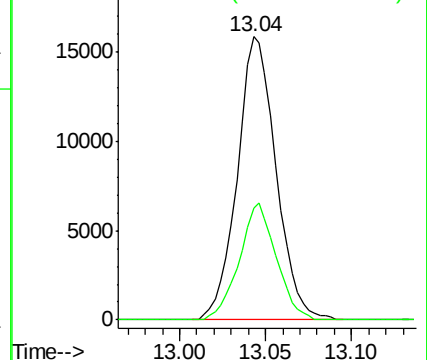
105 100

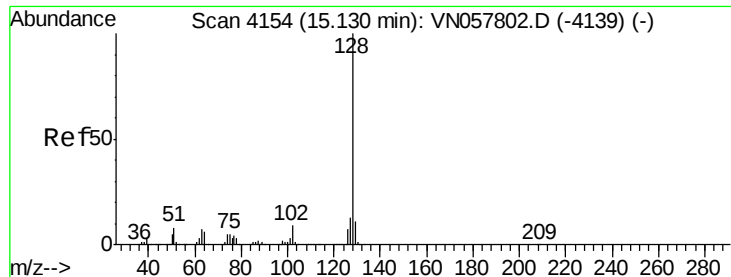
120 39.1 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 143.659 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058063.D

Acq: 14 Sep 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

AOC-7-(7)

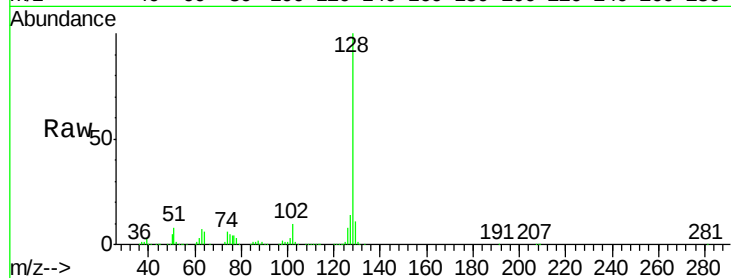
Tot Ion:128 Resp: 2423159

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 11.1 8.6 12.8



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

