

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063490.D
 Acq On : 21 Sep 2020 16:56
 Operator : JC/MD
 Sample : L4033-02 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20797

Quant Time: Sep 22 04:00:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	251593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	465826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	465923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	217226	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	197462	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
35) Dibromofluoromethane	7.55	113	146977	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
50) Toluene-d8	10.06	98	594131	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.38	95	247776	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	

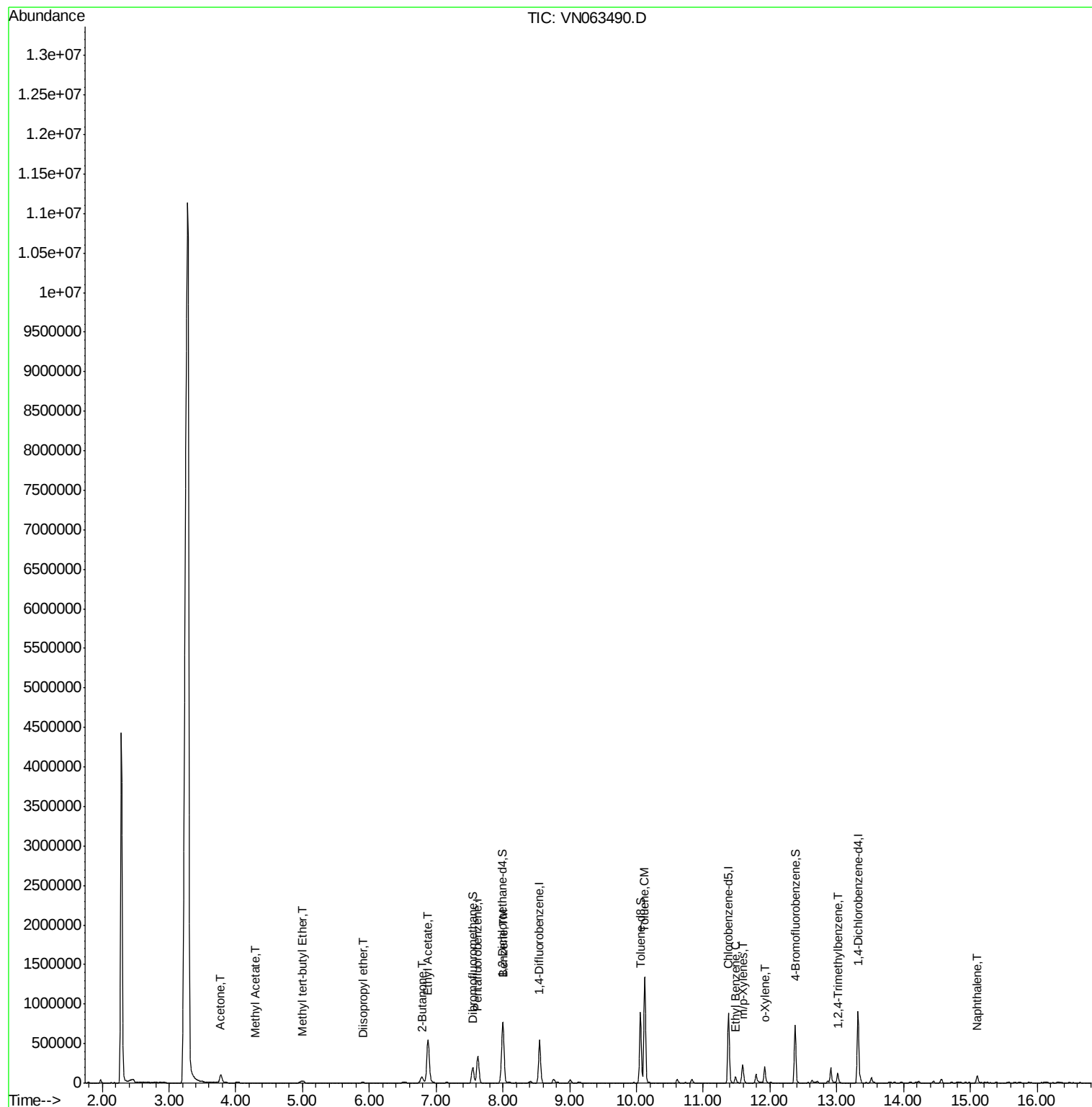
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	174099	126.488	ug/l	98
18) Methyl Acetate	4.29	43	6020	1.723	ug/l #	91
19) Methyl tert-butyl Ether	4.99	73	46164	4.363	ug/l	93
22) Diisopropyl ether	5.90	45	16024	1.399	ug/l #	81
25) 2-Butanone	6.78	43	107329	50.701	ug/l	99
37) Ethyl Acetate	6.88	43	922785	189.457	ug/l	98
40) Benzene	8.00	78	643869	45.450	ug/l	100
52) Toluene	10.13	92	572946	67.267	ug/l	99
67) Ethyl Benzene	11.49	91	52639	2.826	ug/l	98
68) m/p-Xylenes	11.59	106	70187	10.452	ug/l	97
69) o-Xylene	11.92	106	53685	8.392	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	66791	4.555	ug/l	97
95) Naphthalene	15.10	128	76668	5.524	ug/l	99

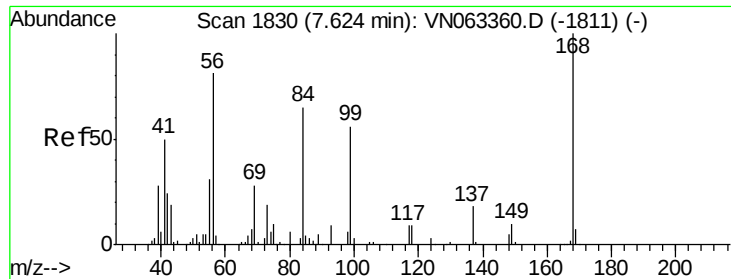
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063490.D

Acq: 21 Sep 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

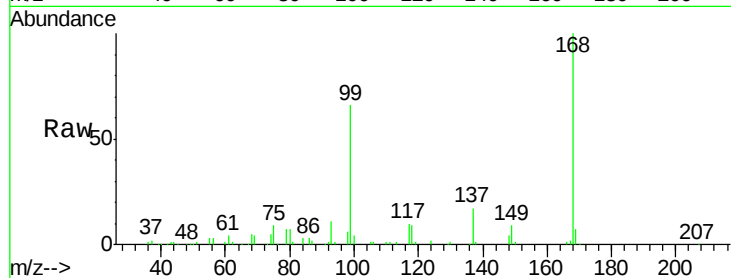
20797

Tot Ion:168 Resp: 251593

Ion Ratio Lower Upper

168 100

99 66.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

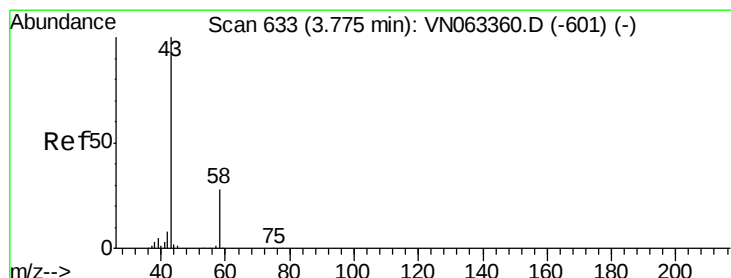
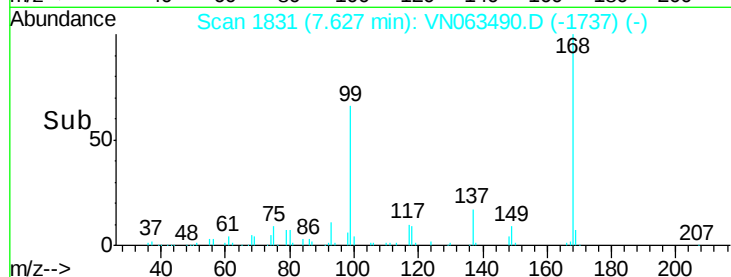
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 126.488 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063490.D

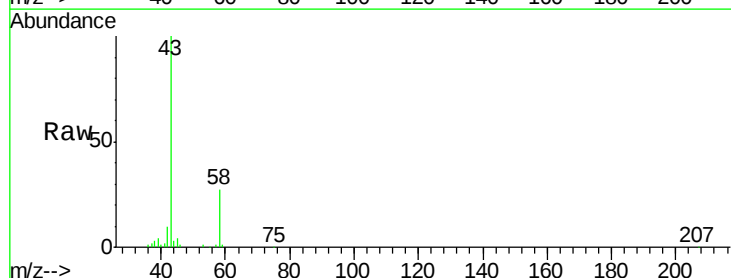
Acq: 21 Sep 2020 16:56

Tgt Ion: 43 Resp: 174099

Ion Ratio Lower Upper

43 100

58 26.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.77

80000

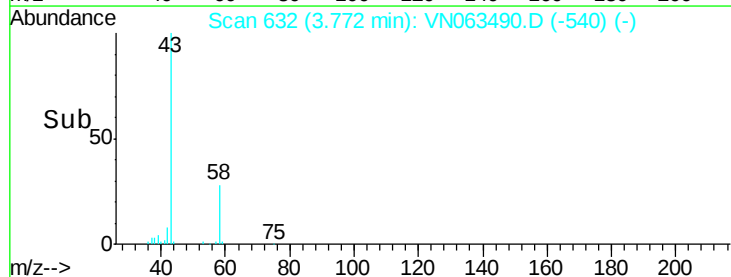
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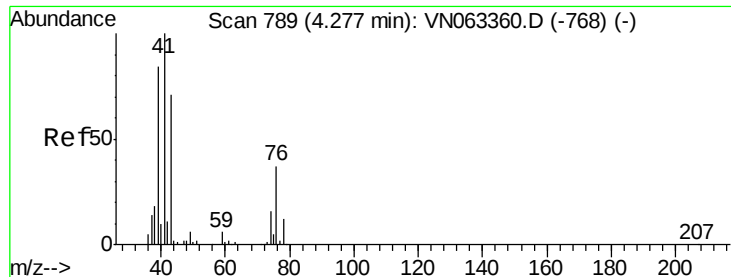
40000

20000

0

Time--> 3.70 3.75 3.80 3.85 3.90

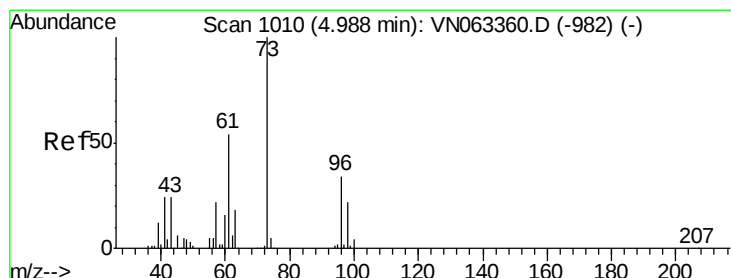
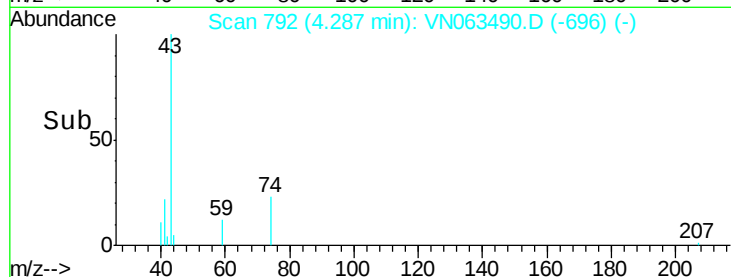
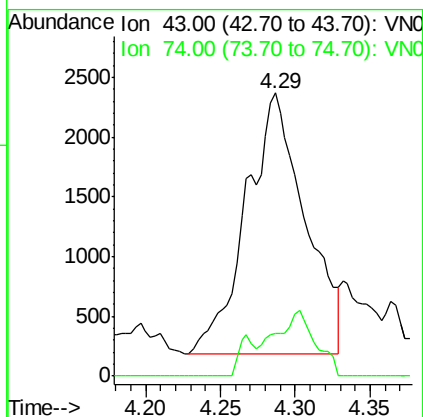
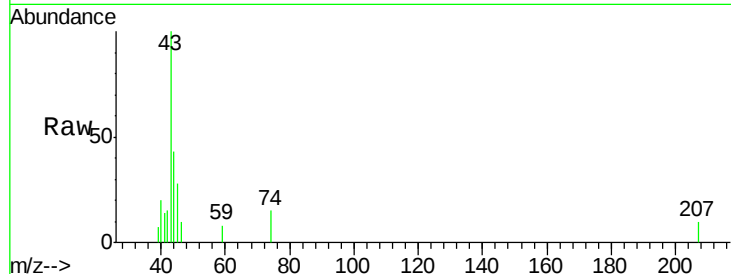




#18
Methyl Acetate
Concen: 1.723 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN063490.D
Acq: 21 Sep 2020 16:56

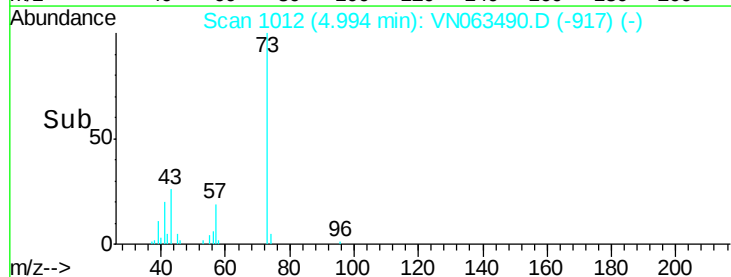
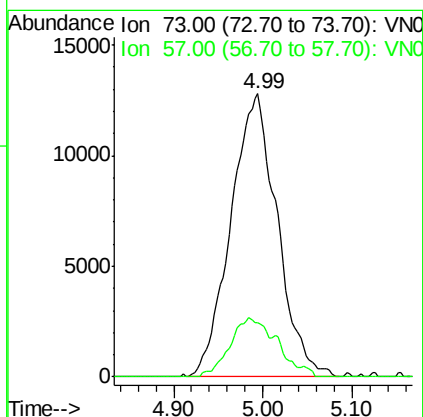
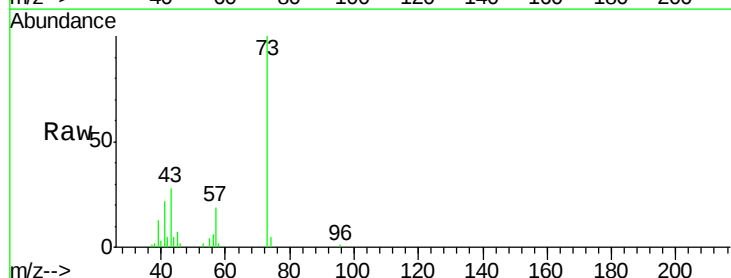
Instrument :
MSVOA_N
ClientSampled :
20797

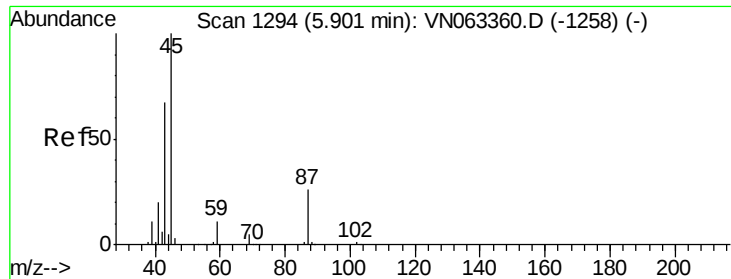
Tot Ion: 43 Resp: 6020
Ion Ratio Lower Upper
43 100
74 17.3 17.4 26.2#



#19
Methyl tert-butyl Ether
Concen: 4.363 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063490.D
Acq: 21 Sep 2020 16:56

Tgt Ion: 73 Resp: 46164
Ion Ratio Lower Upper
73 100
57 19.2 17.9 26.9

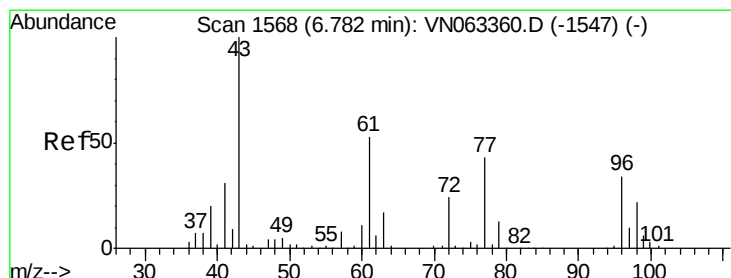
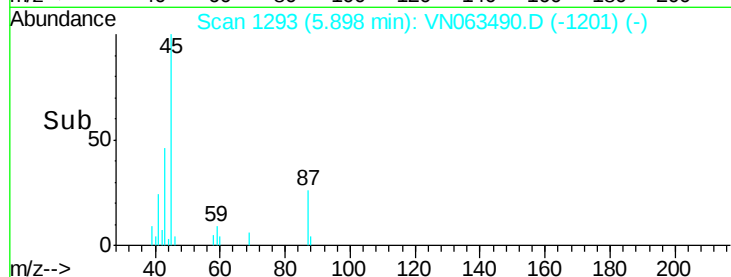
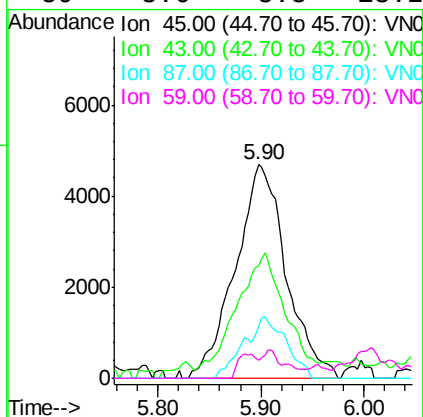
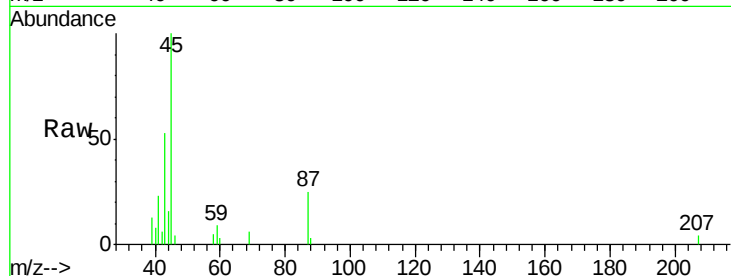




#22
Diisopropyl ether
Concen: 1.399 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN063490.D
Acq: 21 Sep 2020 16:56

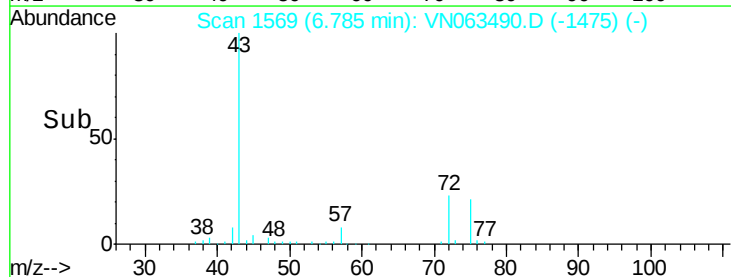
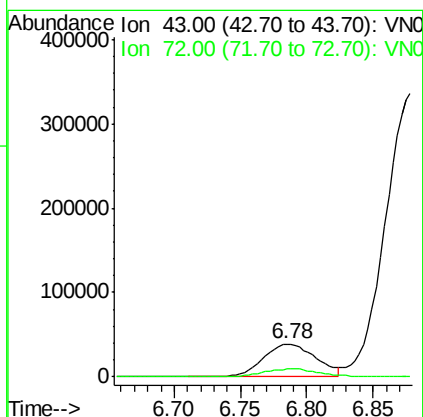
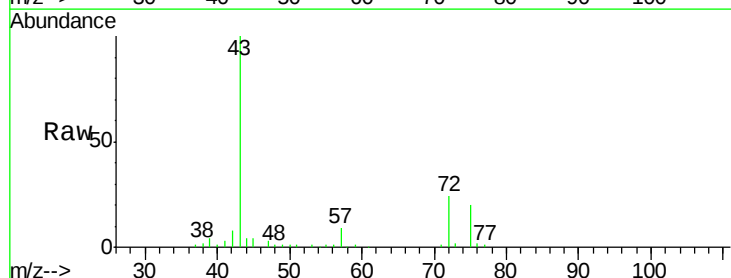
Instrument :
MSVOA_N
ClientSampled :
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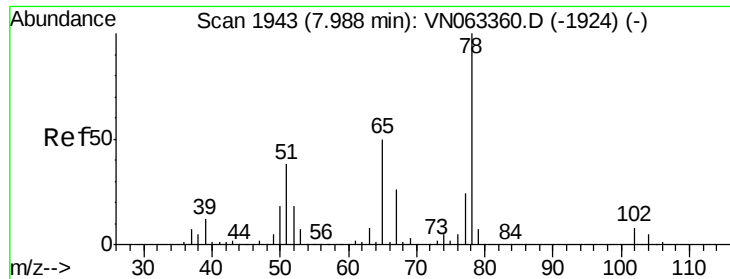
Tot Ion:	45	Resp:	16024
Ion	Ratio	Lower	Upper
45	100		
43	45.7	53.5	80.3#
87	24.7	21.2	31.8
59	8.6	8.8	13.2#



#25
2-Butanone
Concen: 50.701 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063490.D
Acq: 21 Sep 2020 16:56

Tgt Ion:	43	Resp:	107329
Ion	Ratio	Lower	Upper
43	100		
72	24.3	19.2	28.8

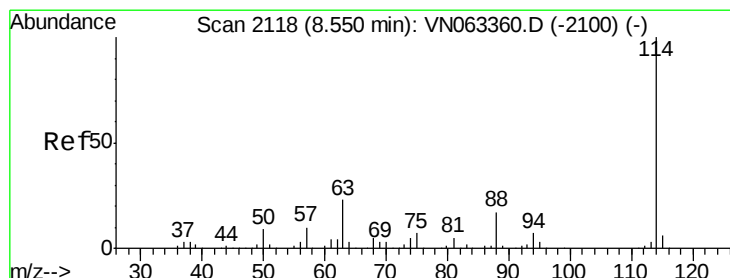
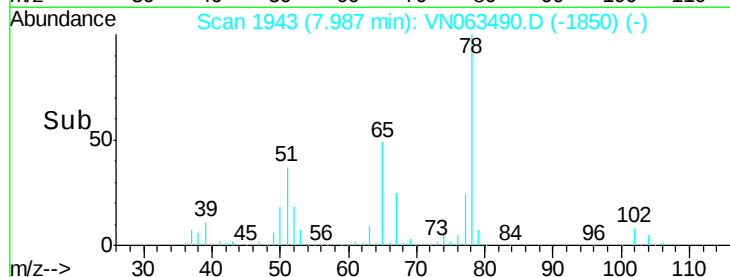
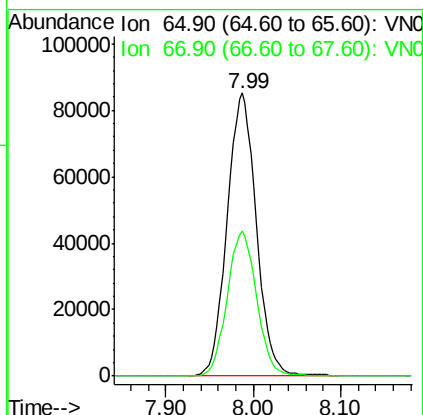
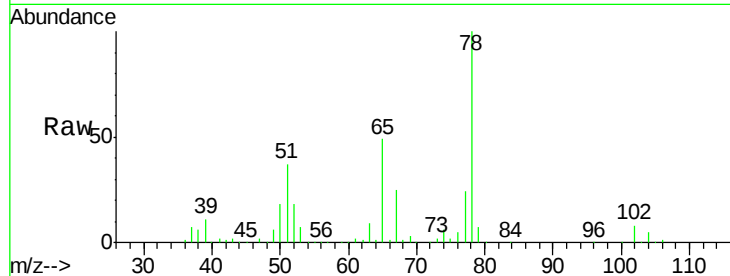




#33
 1,2-Dichloroethane-d4
 Concen: 46.106 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063490.D
 Acq: 21 Sep 2020 16:56

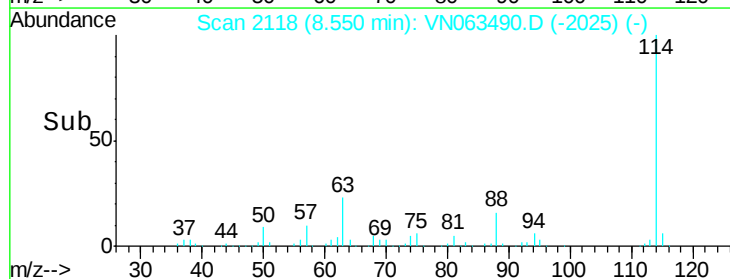
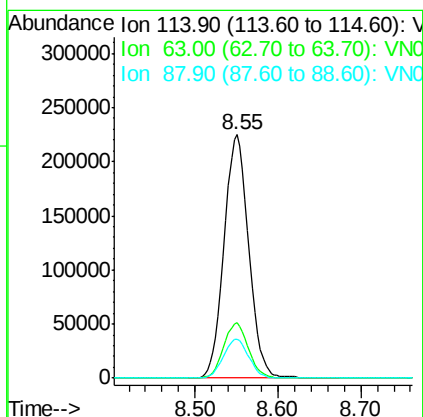
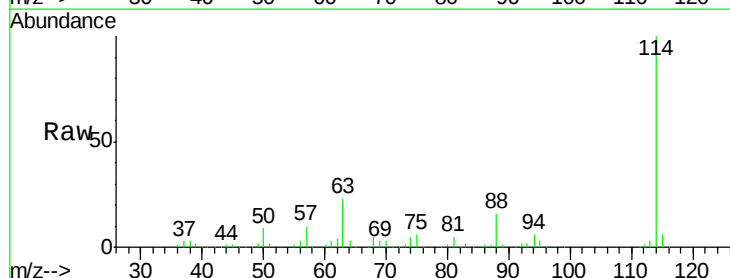
Instrument :
 MSVOA_N
 ClientSampled :
 20797

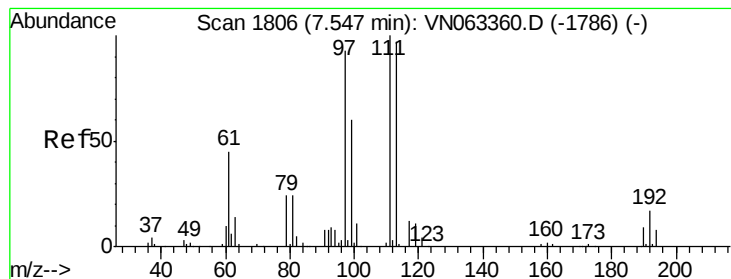
Tot Ion: 65 Resp: 197462
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063490.D
 Acq: 21 Sep 2020 16:56

Tgt Ion: 114 Resp: 465826
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.4
 88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.577 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063490.D

Acq: 21 Sep 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

20797

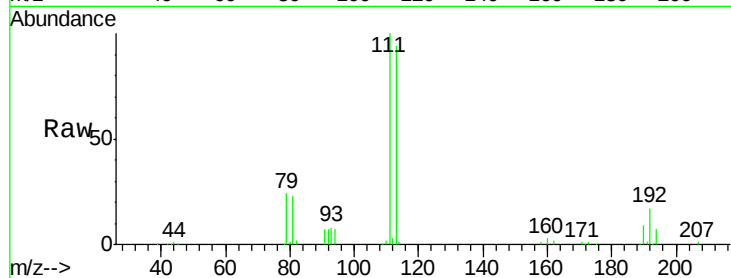
Tot Ion:113 Resp: 146977

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

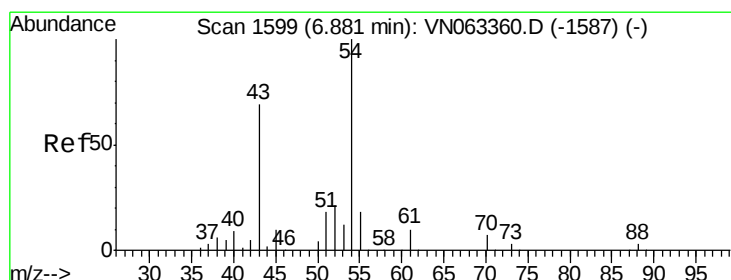
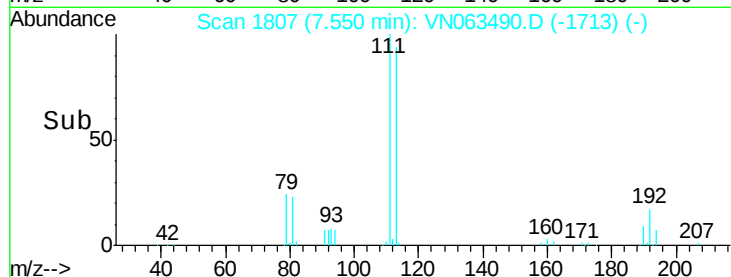
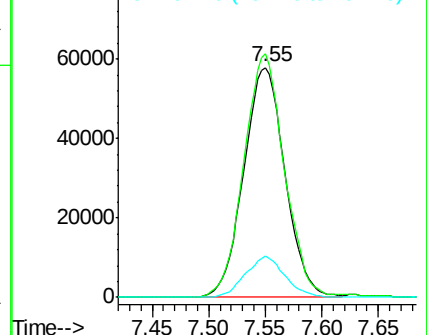
192 17.0 13.9 20.9



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



#37

Ethyl Acetate

Concen: 189.457 ug/l

RT: 6.88 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VN063490.D

Acq: 21 Sep 2020 16:56

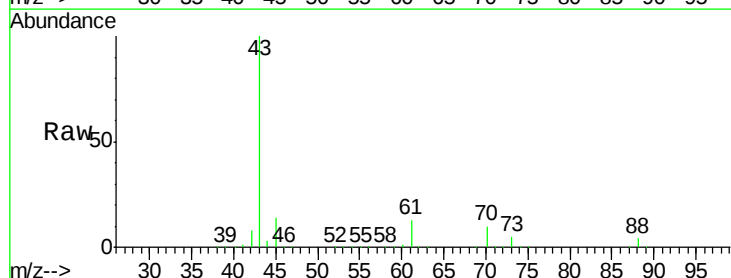
Tgt Ion: 43 Resp: 922785

Ion Ratio Lower Upper

43 100

61 13.3 10.6 15.8

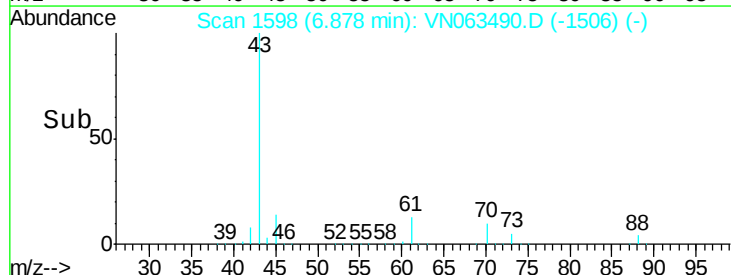
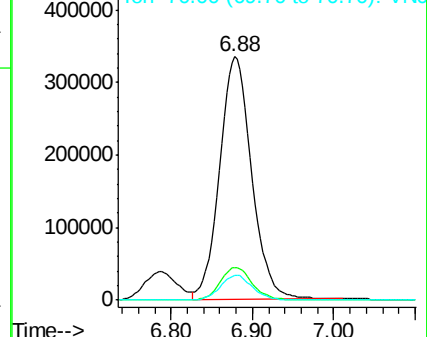
70 10.2 7.2 10.8

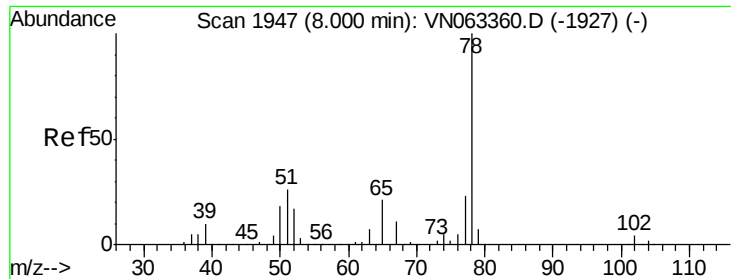


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 60.90 (60.60 to 61.60): V

Ion 70.00 (69.70 to 70.70): V





#40

Benzene

Concen: 45.450 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063490.D

Acq: 21 Sep 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

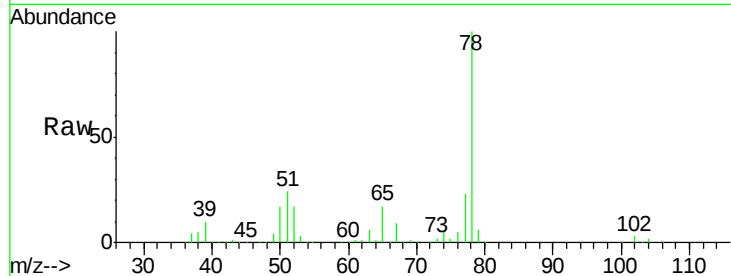
20797

Tot Ion: 78 Resp: 643869

Ion Ratio Lower Upper

78 100

77 23.1 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.00

250000

200000

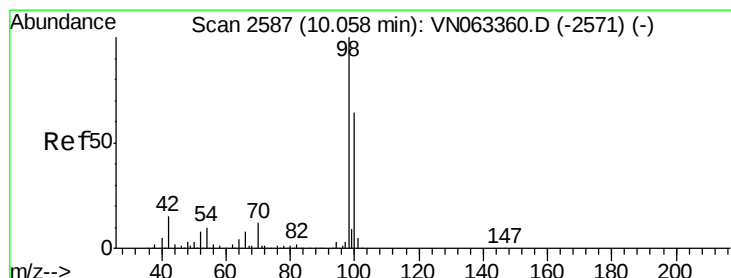
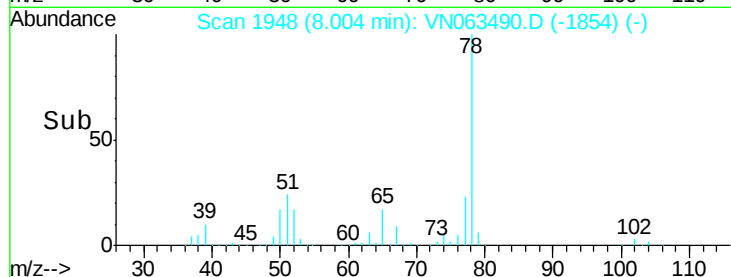
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 48.997 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063490.D

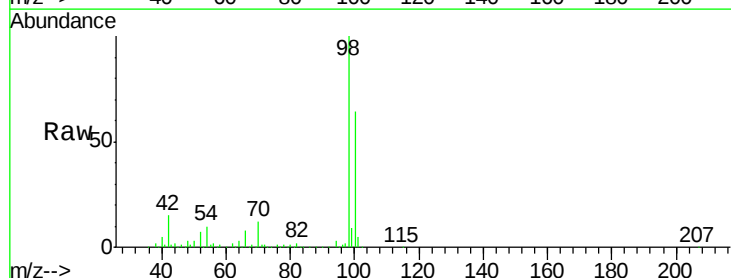
Acq: 21 Sep 2020 16:56

Tgt Ion: 98 Resp: 594131

Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.06

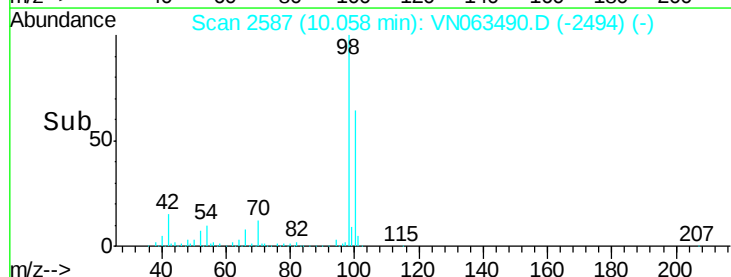
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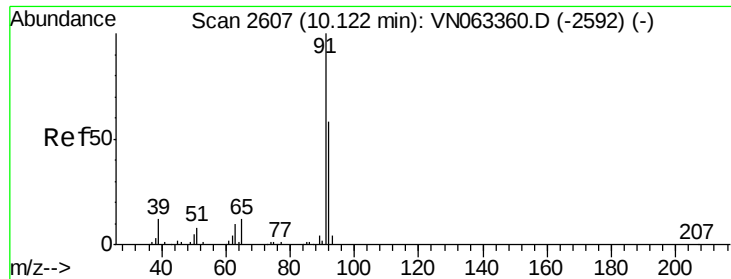
200000

100000

0

Time-->





#52

Toluene

Concen: 67.267 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063490.D

Acq: 21 Sep 2020 16:56

Instrument :

MSVOA_N

ClientSampled :

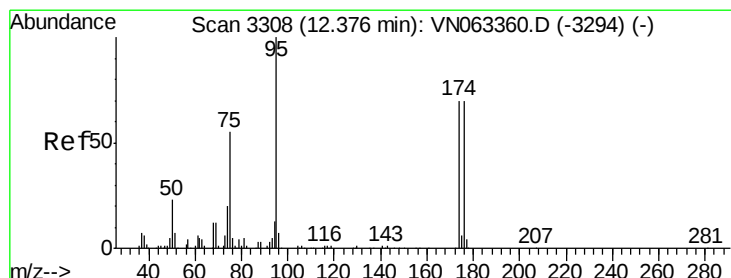
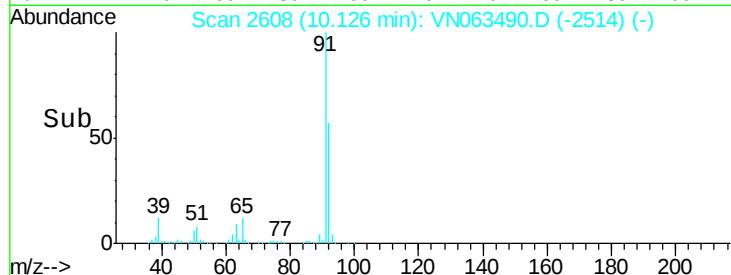
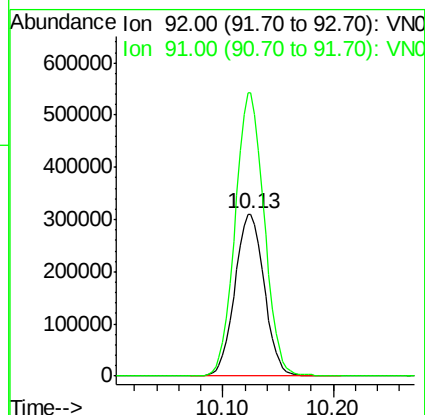
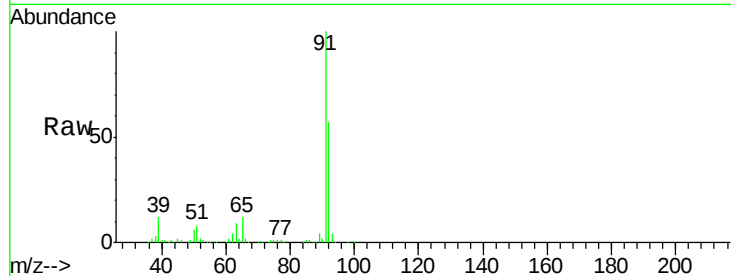
20797

Tot Ion: 92 Resp: 572946

Ion Ratio Lower Upper

92 100

91 173.4 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 55.741 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063490.D

Acq: 21 Sep 2020 16:56

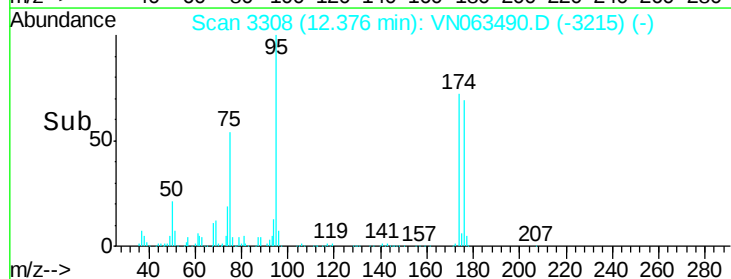
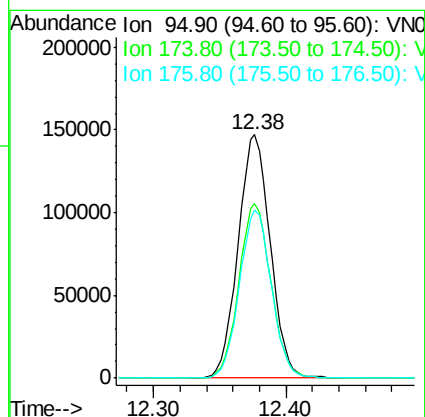
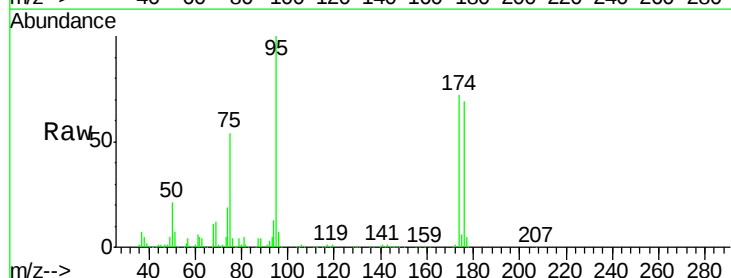
Tgt Ion: 95 Resp: 247776

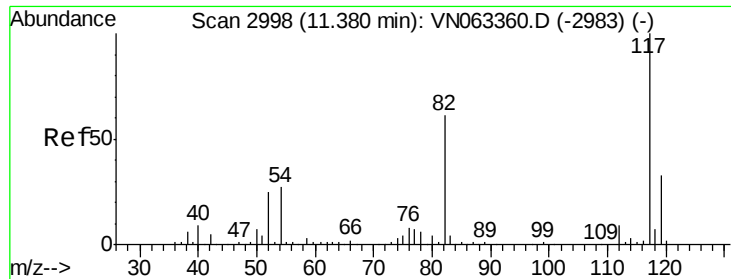
Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.8

176 68.6 0.0 137.6

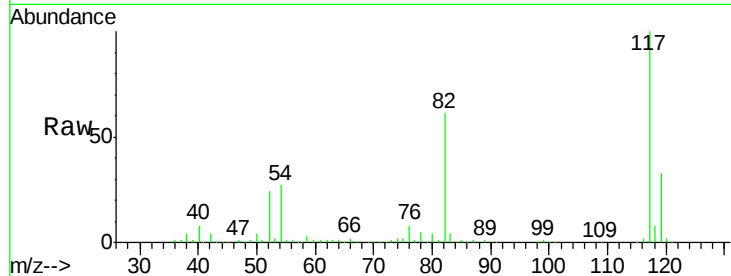




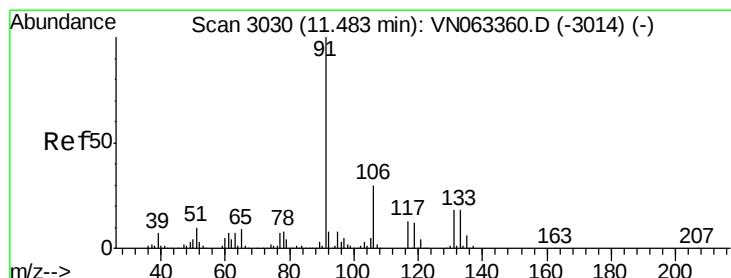
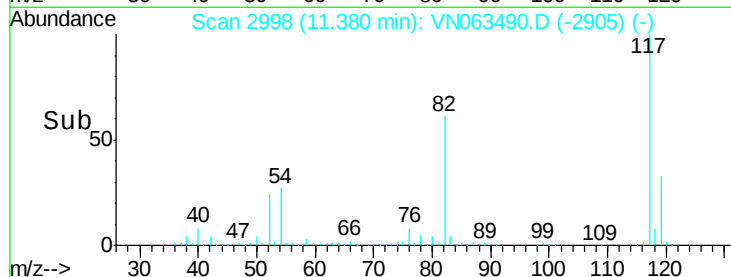
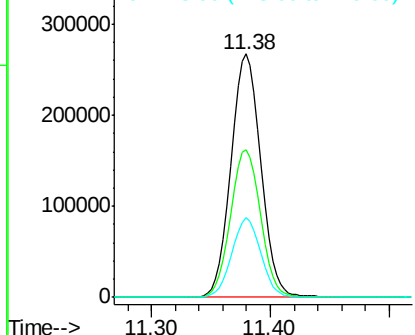
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063490.D
Acq: 21 Sep 2020 16:56

Instrument :
MSVOA_N
ClientSampled :
20797

Tot Ion:117 Resp: 465923
Ion Ratio Lower Upper
117 100
82 60.6 49.2 73.8
119 32.6 26.2 39.4

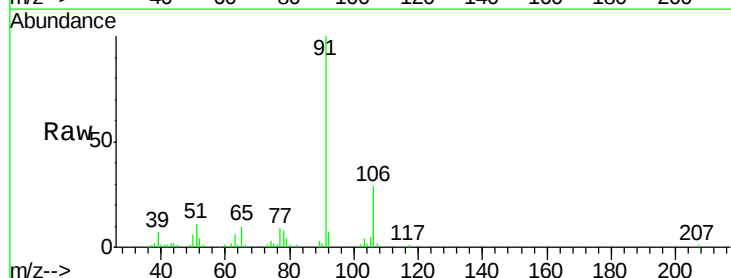


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

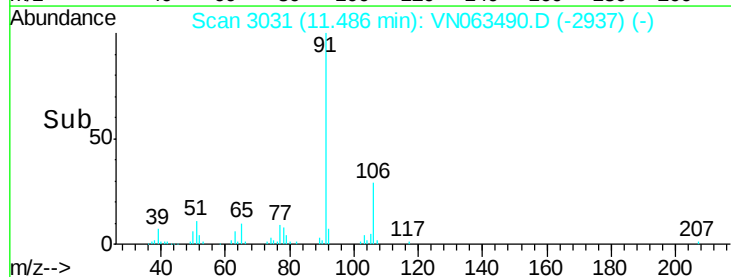
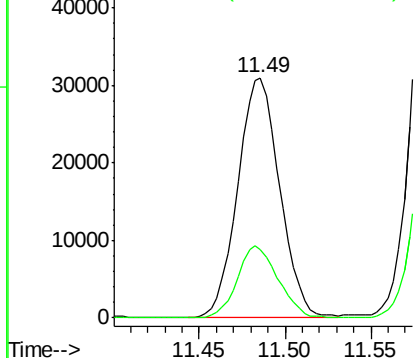


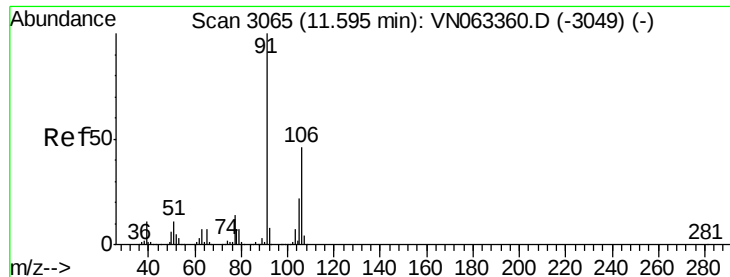
#67
Ethyl Benzene
Concen: 2.826 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063490.D
Acq: 21 Sep 2020 16:56

Tgt Ion: 91 Resp: 52639
Ion Ratio Lower Upper
91 100
106 28.7 23.8 35.6



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





#68

m/p-Xylenes

Concen: 10.452 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063490.D

Acq: 21 Sep 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

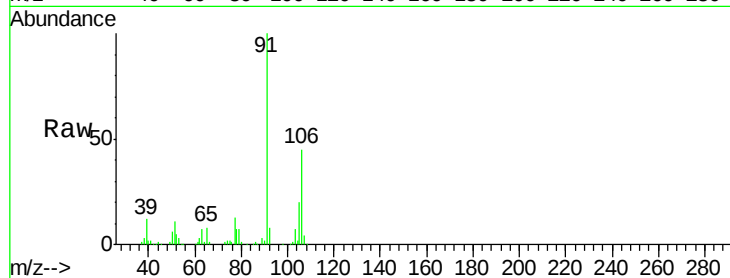
20797

Tot Ion:106 Resp: 70187

Ion Ratio Lower Upper

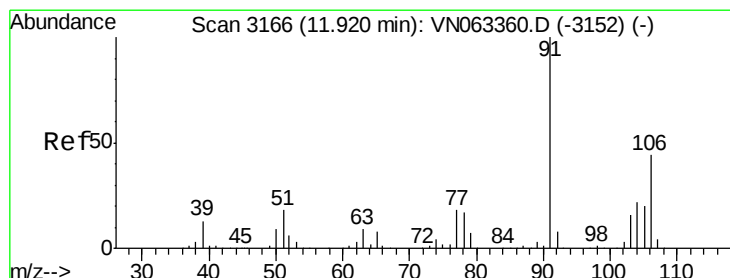
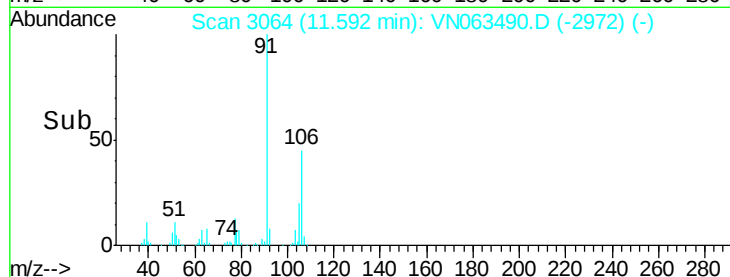
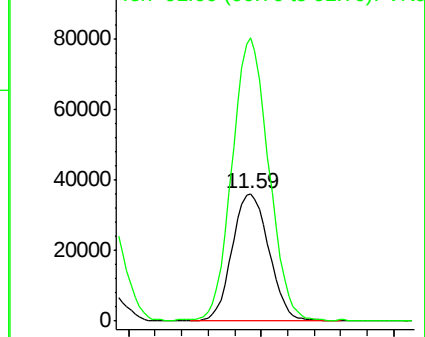
106 100

91 218.1 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 8.392 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063490.D

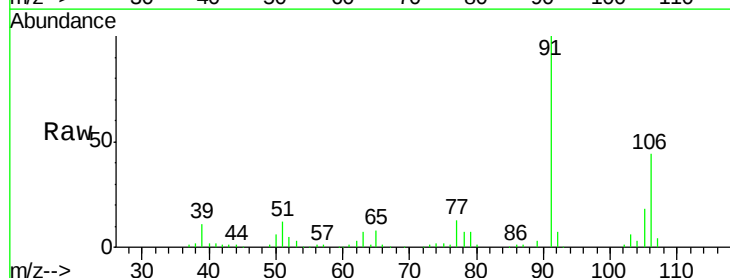
Acq: 21 Sep 2020 16:56

Tgt Ion:106 Resp: 53685

Ion Ratio Lower Upper

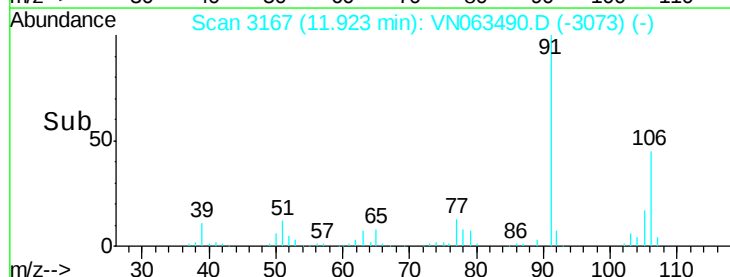
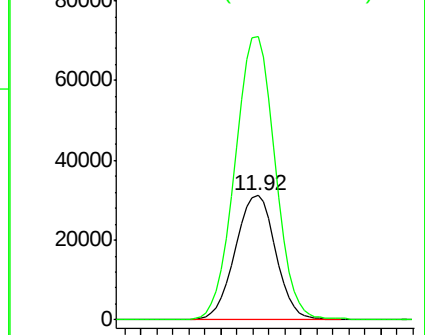
106 100

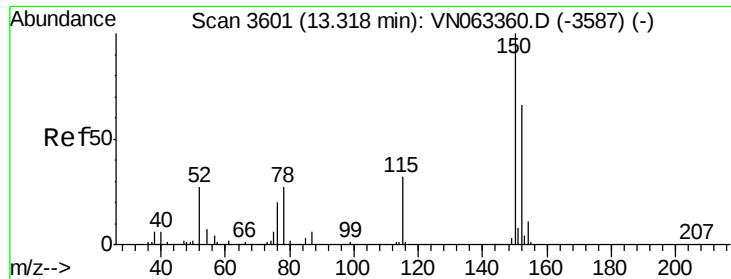
91 226.9 113.6 340.8



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: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063490.D

Acq: 21 Sep 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

20797

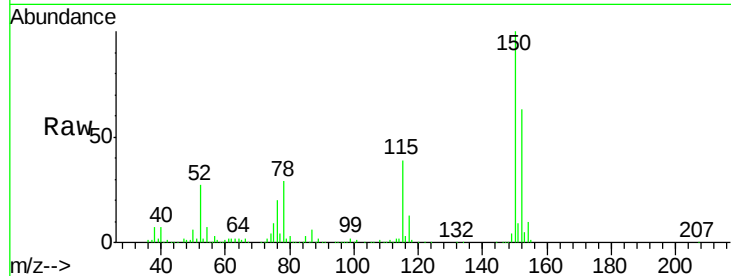
Tot Ion:152 Resp: 217226

Ion Ratio Lower Upper

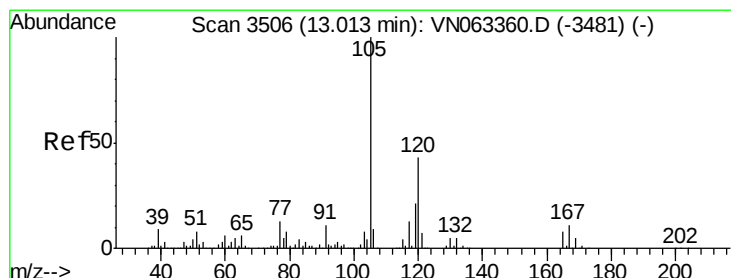
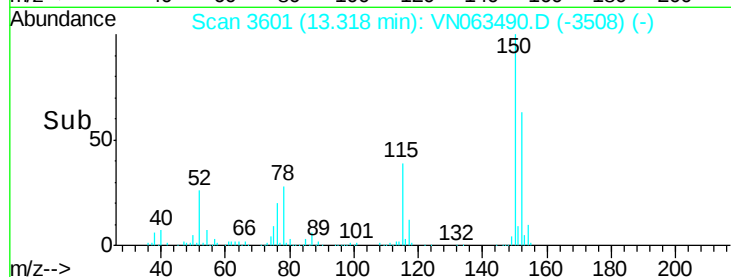
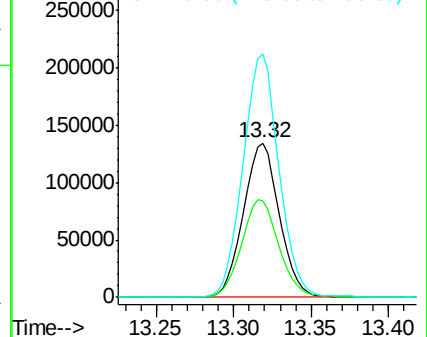
152 100

115 66.0 32.2 96.6

150 158.0 0.0 343.4



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: 4.555 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN063490.D

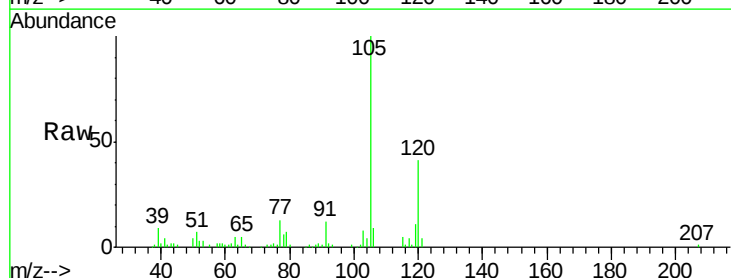
Acq: 21 Sep 2020 16:56

Tgt Ion:105 Resp: 66791

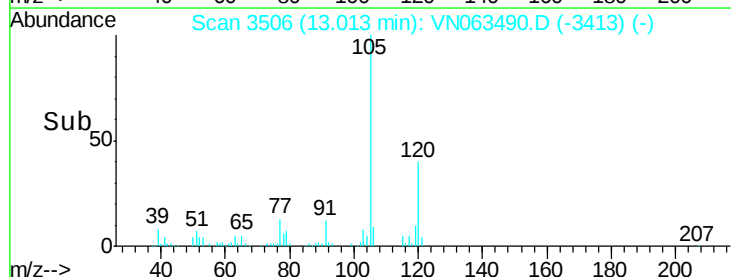
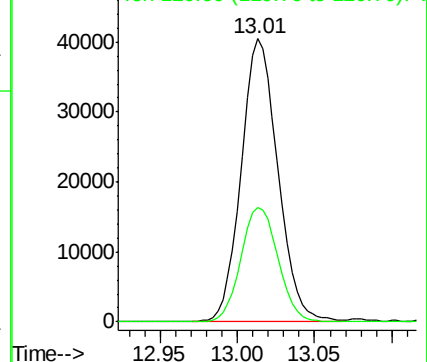
Ion Ratio Lower Upper

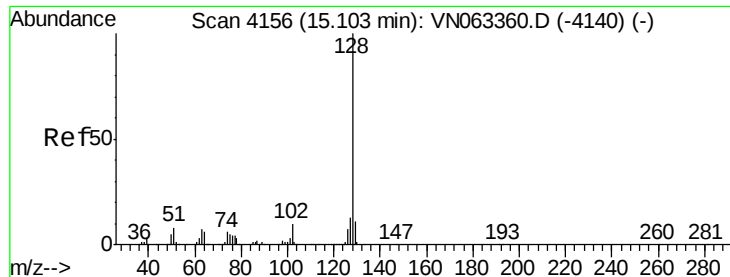
105 100

120 40.9 21.3 63.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

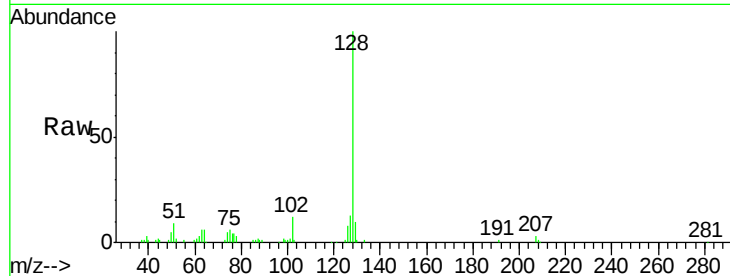




#95
Naphthalene
Concen: 5.524 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063490.D
Acq: 21 Sep 2020 16:56

Instrument :
MSVOA_N
ClientSampleId :
20797

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.6	8.8	13.2



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

