

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063265.D
 Acq On : 5 Sep 2020 3:36
 Operator : JC/MD
 Sample : L3877-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Sep 07 02:32:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	261971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	539878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	525291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	265705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	247765	57.86	ug/l	0.00
Spiked Amount						
			Recovery	=	115.72%	
35) Dibromofluoromethane	7.55	113	160216	46.26	ug/l	0.00
Spiked Amount						
			Recovery	=	92.52%	
50) Toluene-d8	10.06	98	679708	50.99	ug/l	0.00
Spiked Amount						
			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.38	95	264303	56.68	ug/l	0.00
Spiked Amount						
			Recovery	=	113.36%	

Target Compounds

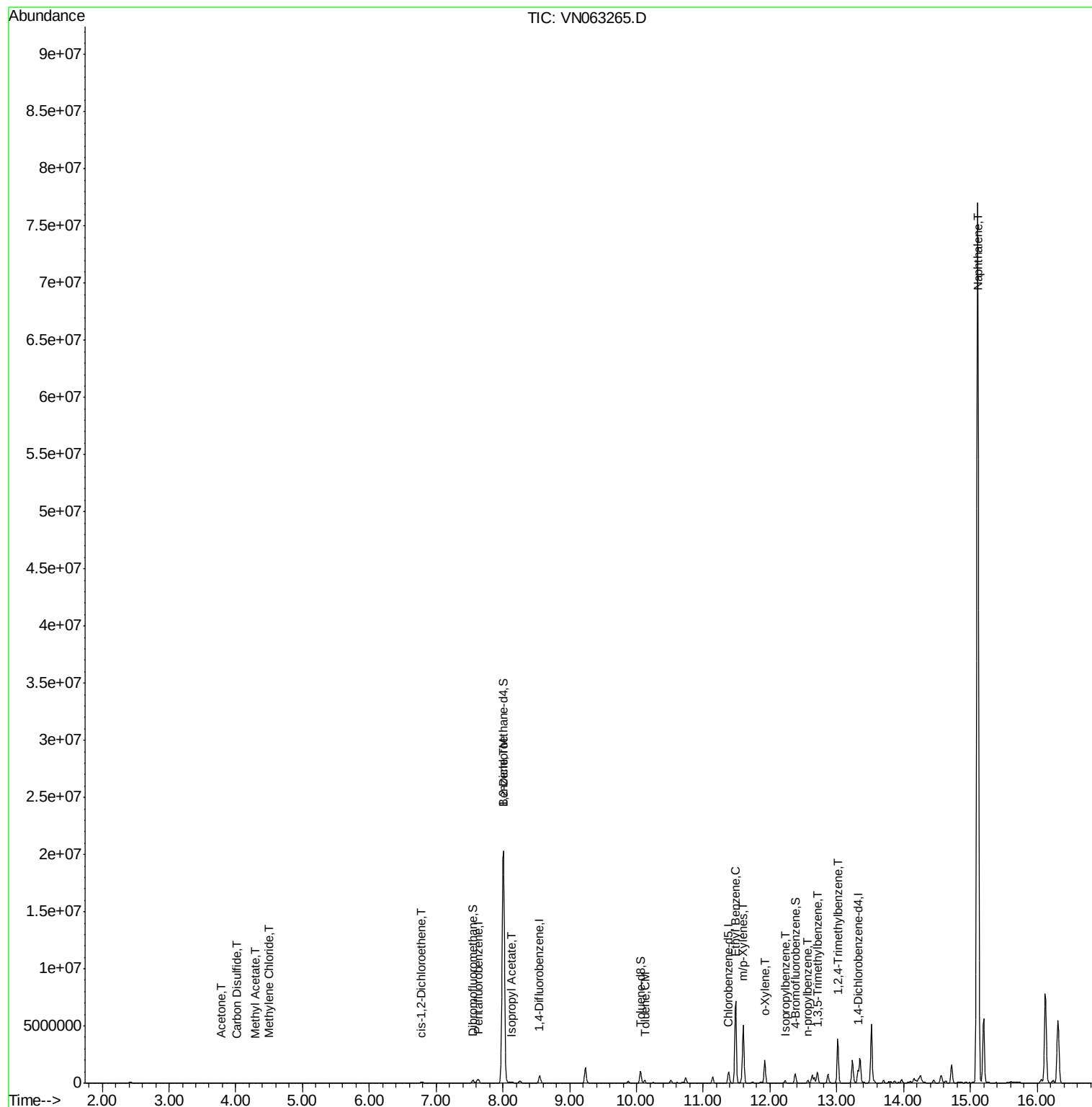
						Qvalue
16) Acetone	3.78	43	50999	41.892	ug/l	97
17) Carbon Disulfide	4.01	76	9064	1.059	ug/l #	91
18) Methyl Acetate	4.28	43	4047	1.297	ug/l #	66
20) Methylene Chloride	4.50	84	15769	4.156	ug/l	94
27) cis-1,2-Dichloroethene	6.78	96	53072	13.750	ug/l	82
40) Benzene	8.01	78	13854013	908.354	ug/l #	20
43) Isopropyl Acetate	8.13	43	89741	10.602	ug/l #	89
52) Toluene	10.13	92	90132	9.487	ug/l	100
67) Ethyl Benzene	11.49	91	4890135	253.362	ug/l #	86
68) m/p-Xylenes	11.60	106	1494833	209.112	ug/l	97
69) o-Xylene	11.92	106	535000	77.472	ug/l	98
73) Isopropylbenzene	12.23	105	125510	6.159	ug/l	99
78) n-propylbenzene	12.57	91	168426	7.142	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	526065	31.013	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	2097955	122.701	ug/l	99
95) Naphthalene	15.11	128	17013883	1110.921	ug/l #	1

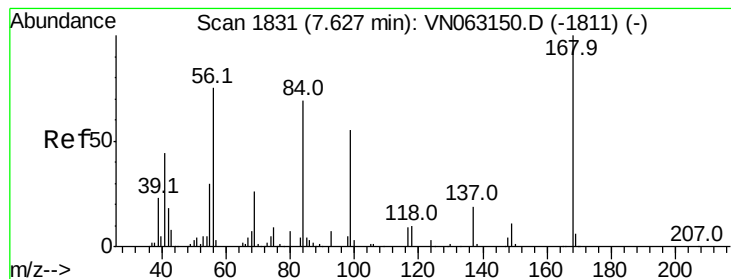
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 01 04:21:28 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: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

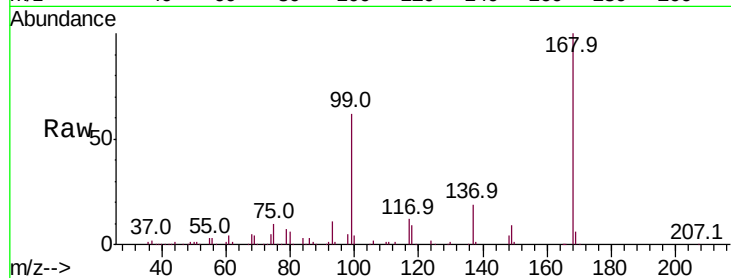
TP-1

Tot Ion:168 Resp: 261971

Ion Ratio Lower Upper

168 100

99 61.5 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063150.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063150.D (-1811) (-)

7.63

120000

100000

80000

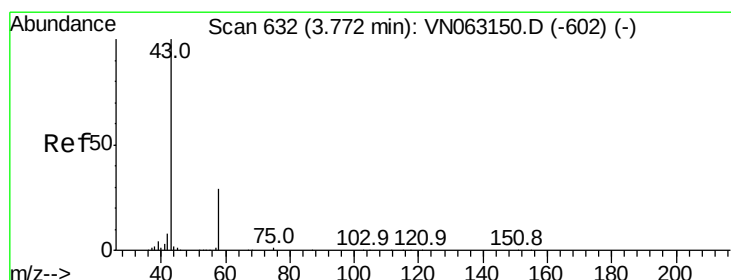
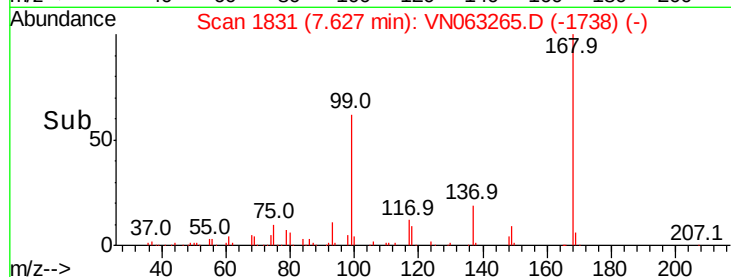
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#16

Acetone

Concen: 41.892 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063265.D

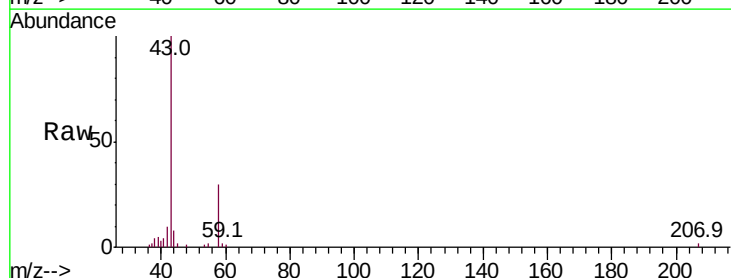
Acq: 5 Sep 2020 3:36

Tgt Ion: 43 Resp: 50999

Ion Ratio Lower Upper

43 100

58 30.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN063150.D (-602) (-)

3.78

20000

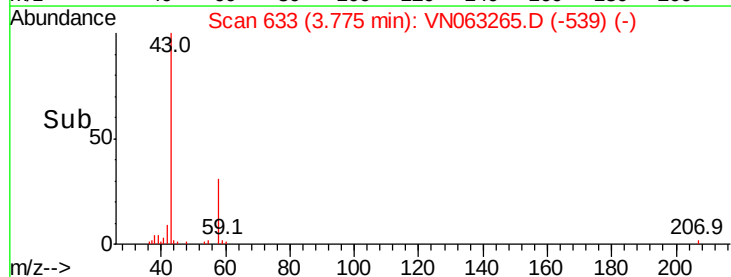
15000

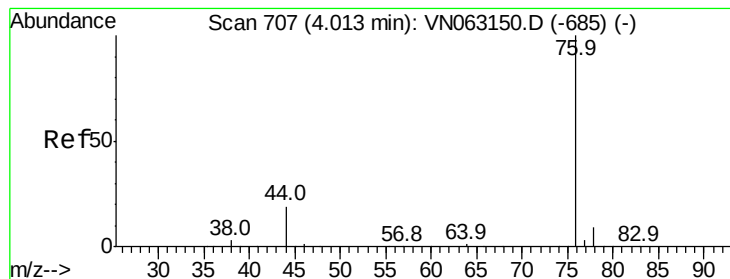
10000

5000

0

Time--> 3.70 3.75 3.80 3.85





#17

Carbon Disulfide

Concen: 1.059 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

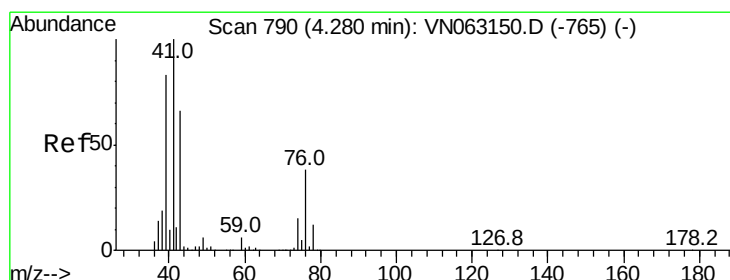
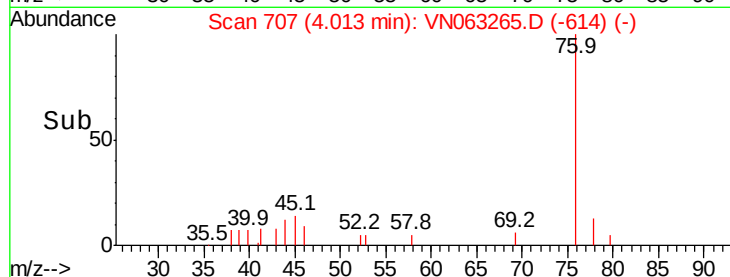
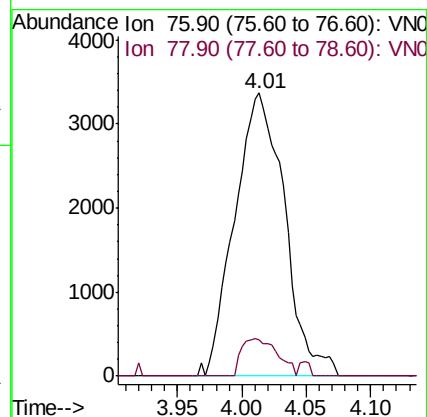
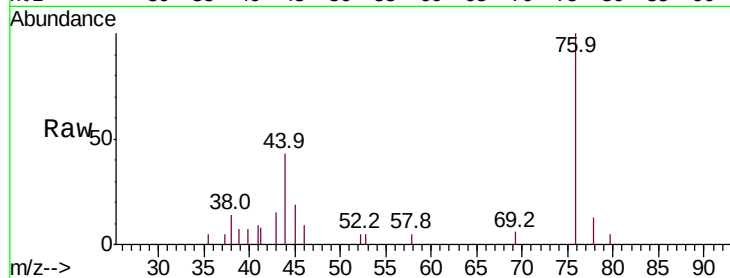
TP-1

Tot Ion: 76 Resp: 9064

Ion Ratio Lower Upper

76 100

78 12.8 7.5 11.3#



#18

Methyl Acetate

Concen: 1.297 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN063265.D

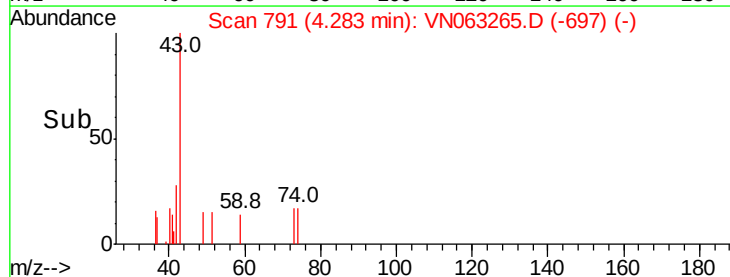
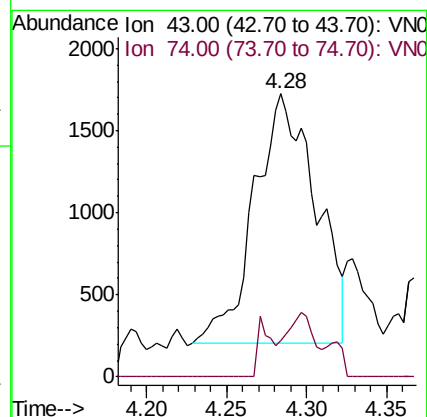
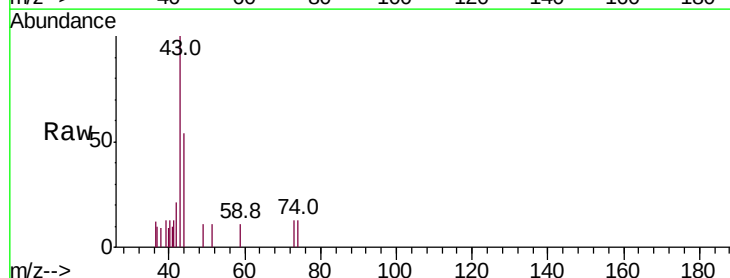
Acq: 5 Sep 2020 3:36

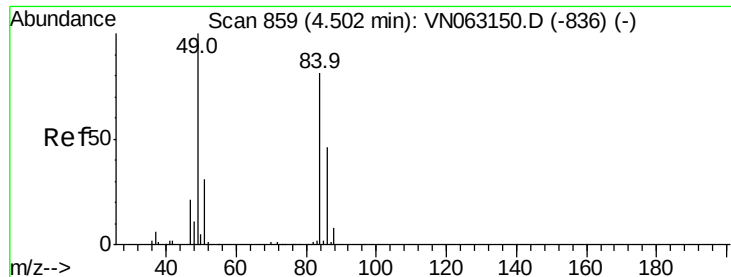
Tgt Ion: 43 Resp: 4047

Ion Ratio Lower Upper

43 100

74 7.1 19.0 28.6#

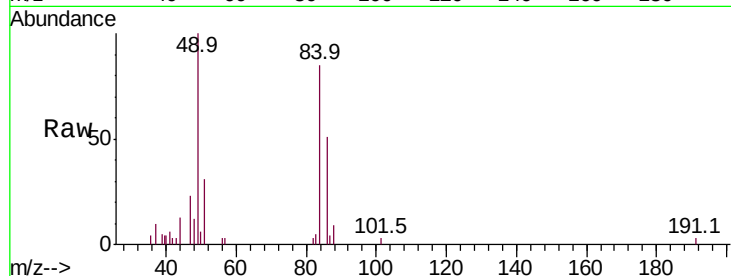




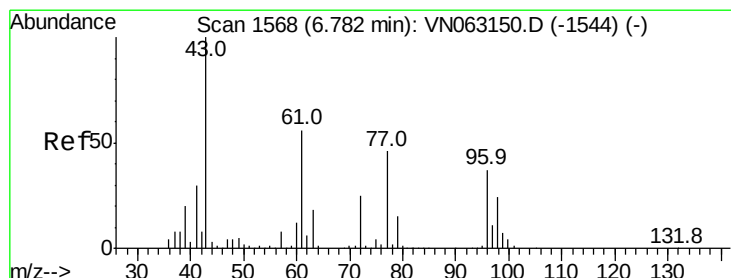
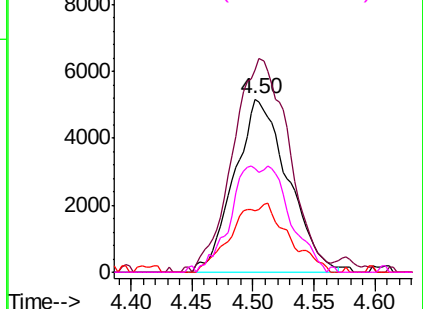
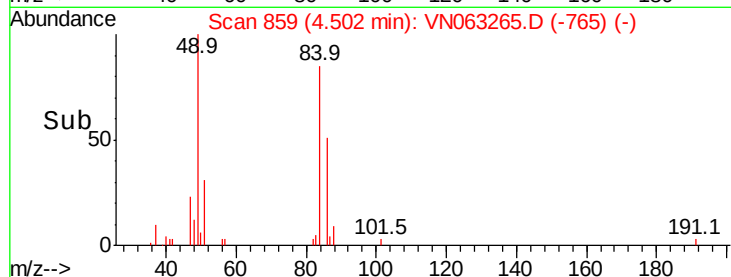
#20
Methvlene Chloride
Concen: 4.156 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tot Ion:	84	Resp:	15769
Ion	Ratio	Lower	Upper
84	100		
49	114.0	98.4	147.6
51	35.7	30.4	45.6
86	59.9	45.7	68.5

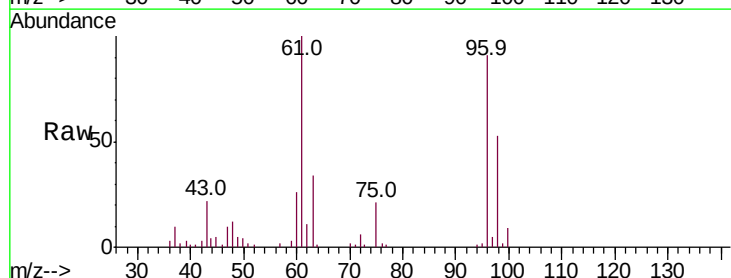


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

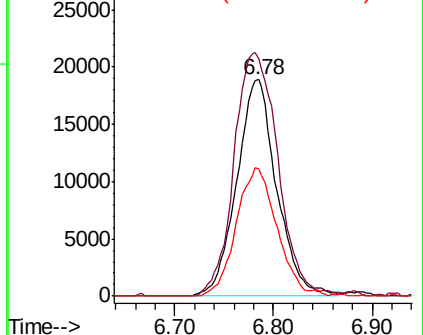
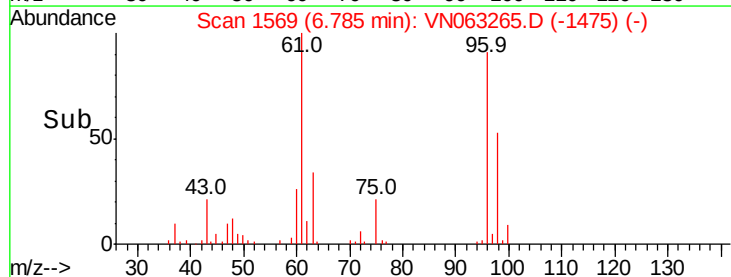


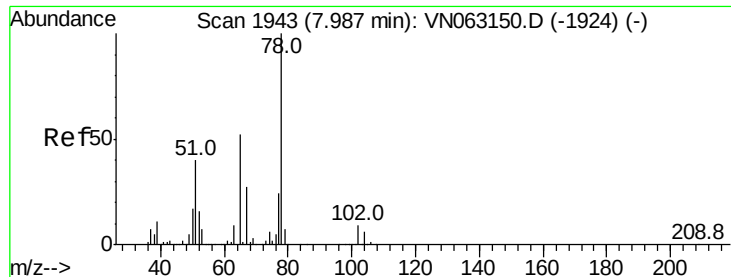
#27
cis-1,2-Dichloroethene
Concen: 13.750 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Tgt Ion:	96	Resp:	53072
Ion	Ratio	Lower	Upper
96	100		
61	122.5	0.0	303.2
98	59.6	0.0	129.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 57.856 ug/l

RT: 7.99 min Scan# 1945

Delta R.T. 0.01 min

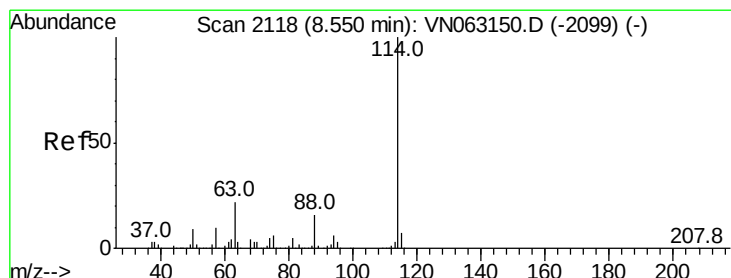
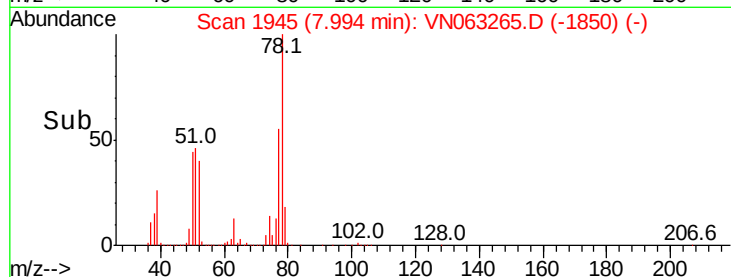
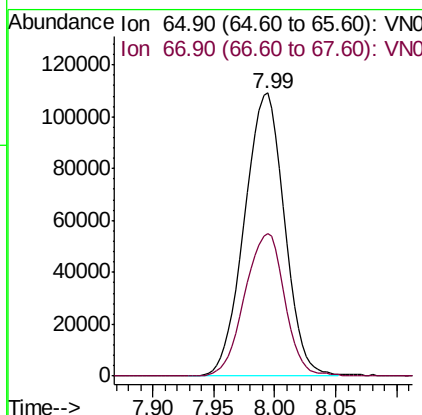
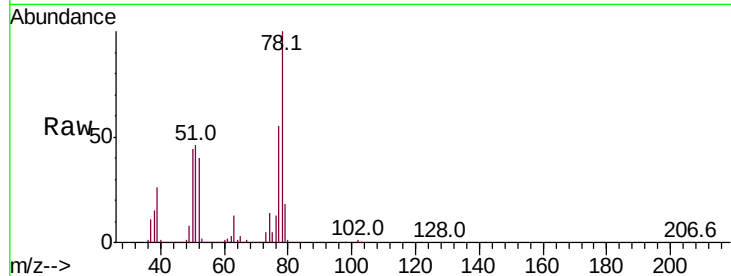
Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tot Ion: 65 Resp: 247765

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

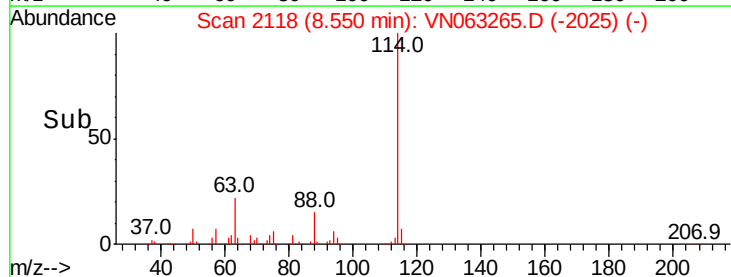
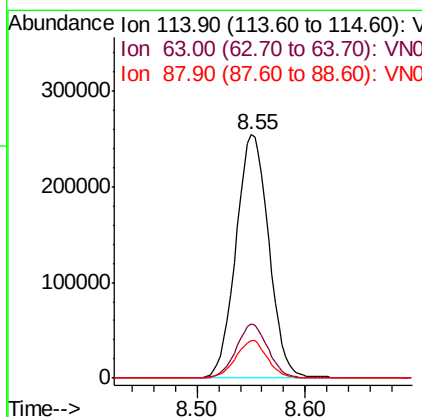
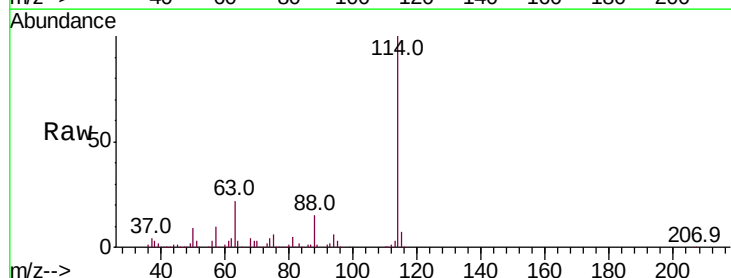
Delta R.T. 0.00 min

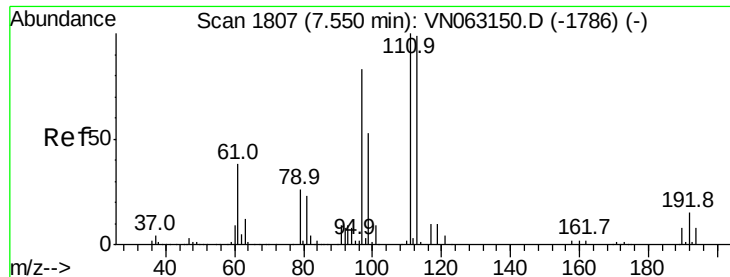
Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Tgt Ion: 114 Resp: 539878

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.0
88	15.2	0.0	31.6





#35

Dibromofluoromethane

Concen: 46.257 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :
MSVOA_N
ClientSampleId :
TP-1

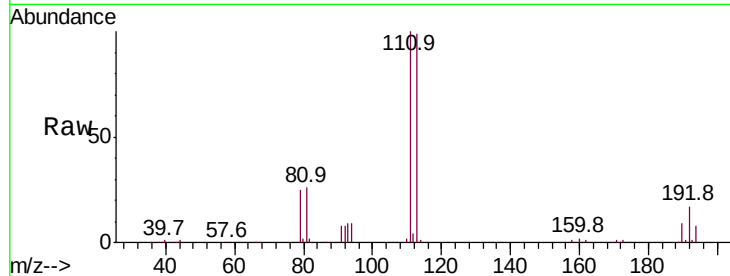
Tot Ion:113 Resp: 160216

Ion Ratio Lower Upper

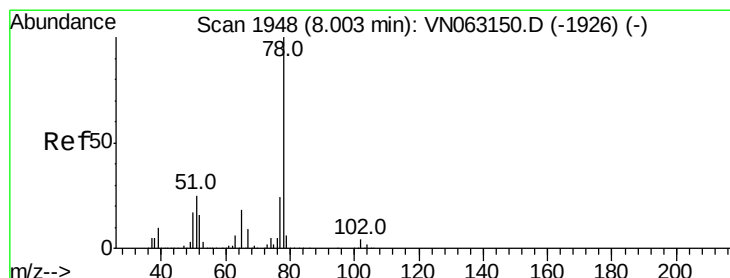
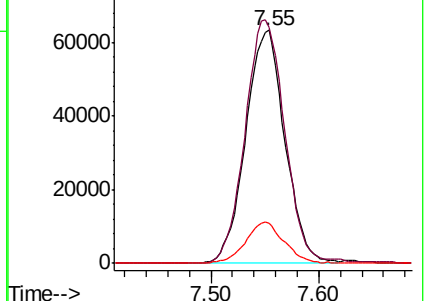
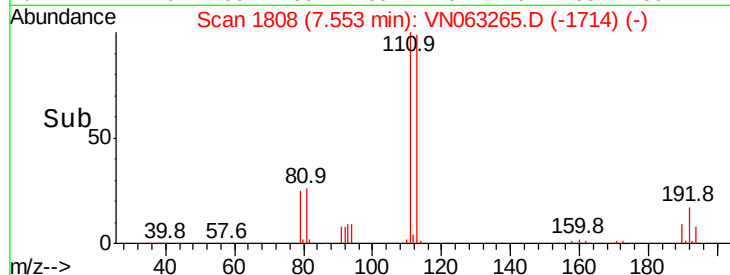
113 100

111 104.9 80.7 121.1

192 17.4 12.6 19.0



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: 908.354 ug/l

RT: 8.01 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN063265.D

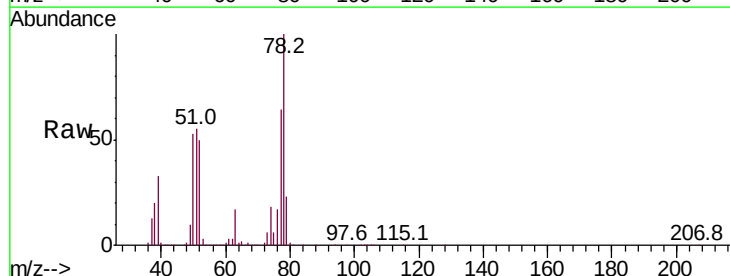
Acq: 5 Sep 2020 3:36

Tgt Ion: 78 Resp:13854013

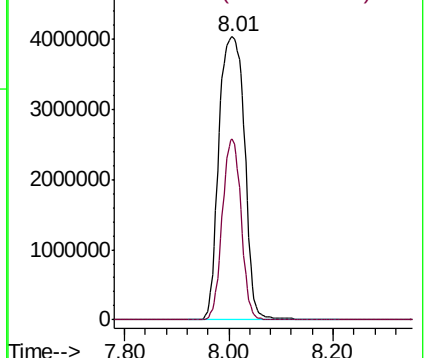
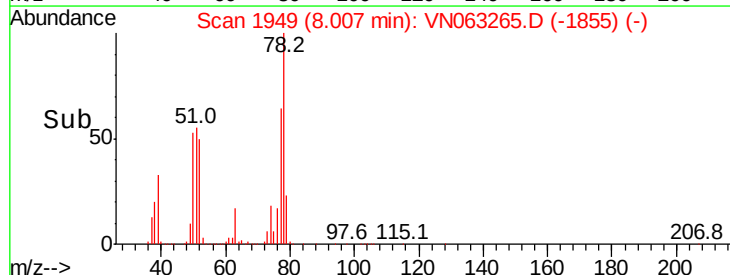
Ion Ratio Lower Upper

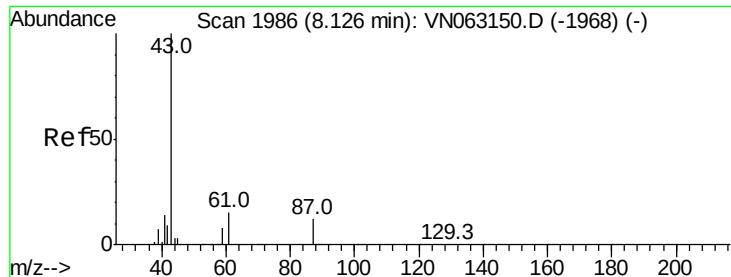
78 100

77 63.8 19.3 28.9#



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V





#43

Isopropyl Acetate

Concen: 10.602 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

TP-1

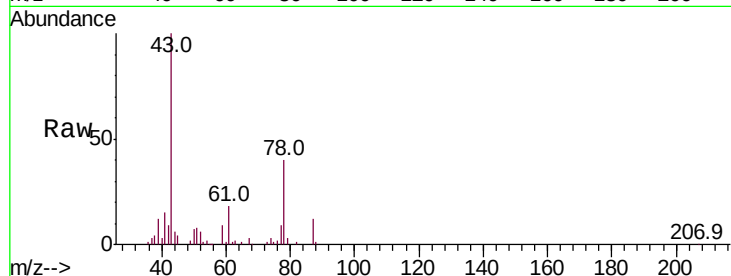
Tot Ion: 43 Resp: 89741

Ion Ratio Lower Upper

43 100

61 17.6 20.2 30.4#

87 13.4 9.8 14.6

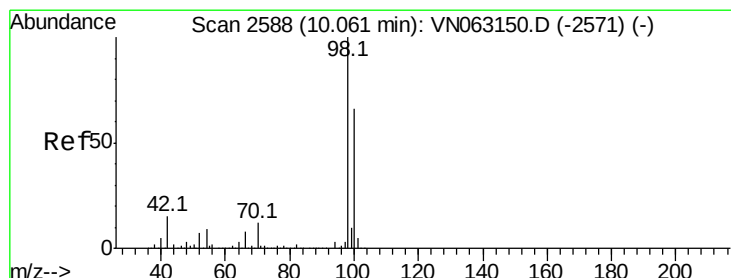
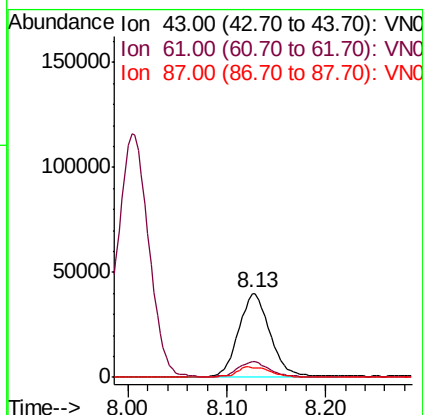
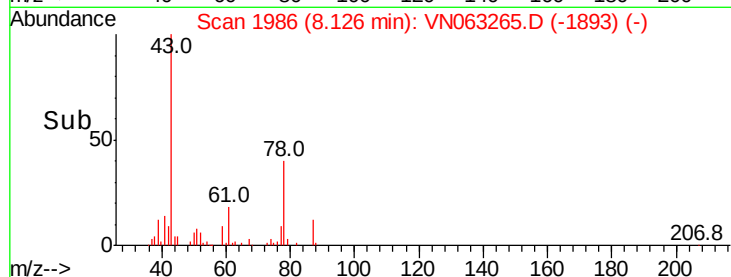


Abundance Ion 43.00 (42.70 to 43.70): VN063265.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN063265.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN063265.D (-1968) (-)

Time-->



#50

Toluene-d8

Concen: 50.985 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063265.D

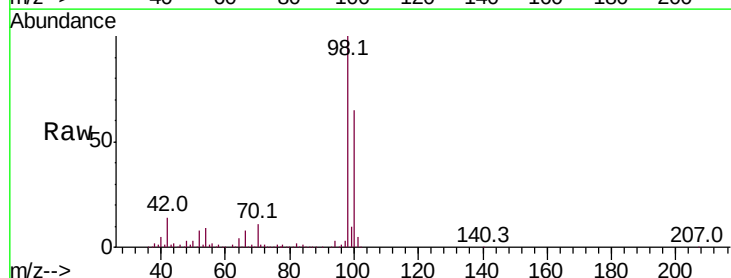
Acq: 5 Sep 2020 3:36

Tgt Ion: 98 Resp: 679708

Ion Ratio Lower Upper

98 100

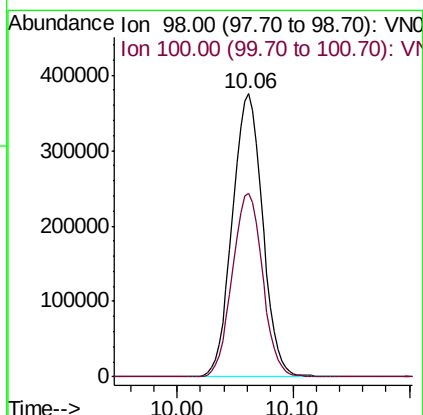
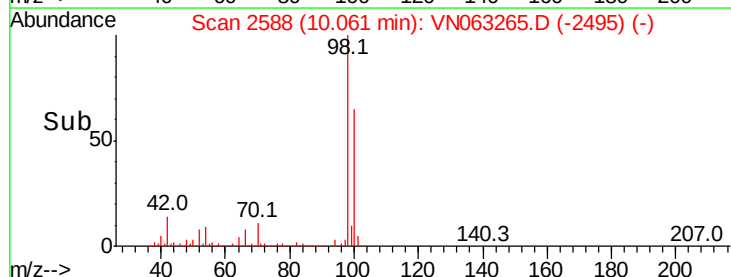
100 64.9 52.0 78.0

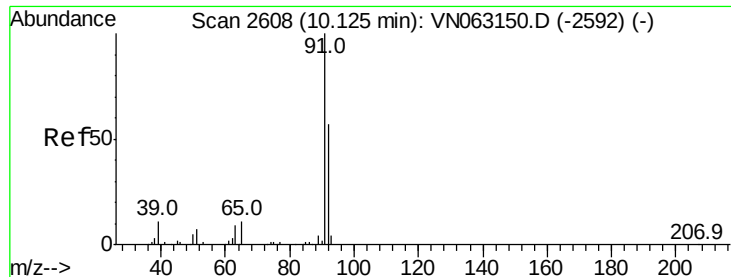


Abundance Ion 98.00 (97.70 to 98.70): VN063265.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063265.D (-2571) (-)

Time-->





#52

Toluene

Concen: 9.487 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampleId :

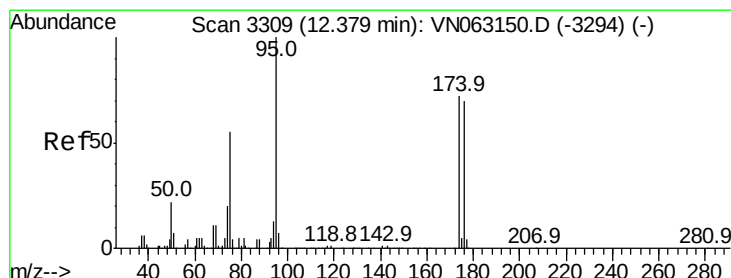
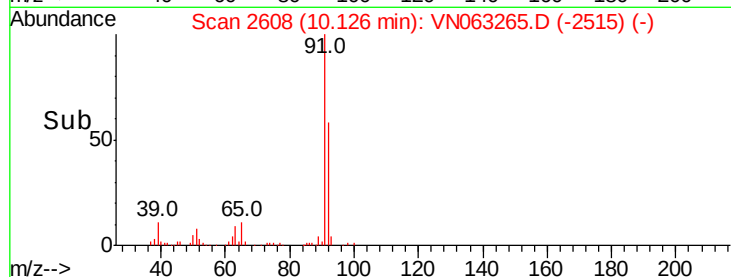
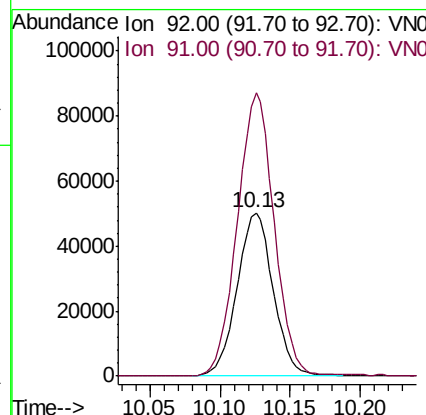
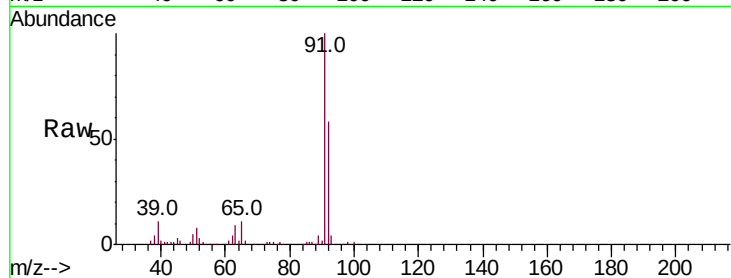
TP-1

Tot Ion: 92 Resp: 90132

Ion Ratio Lower Upper

92 100

91 176.5 141.2 211.8



#62

4-Bromofluorobenzene

Concen: 56.676 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

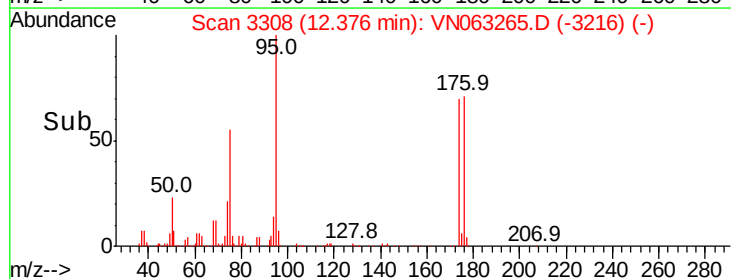
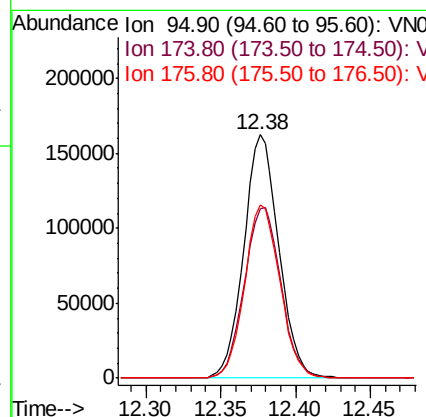
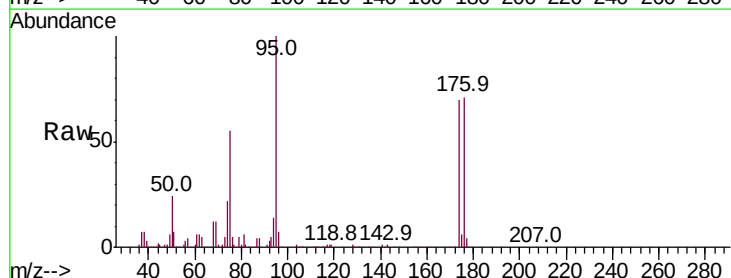
Tgt Ion: 95 Resp: 264303

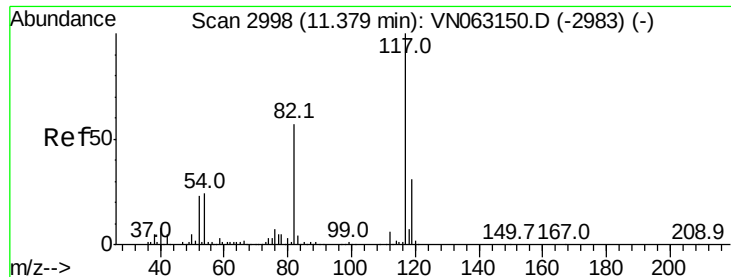
Ion Ratio Lower Upper

95 100

174 73.5 0.0 143.8

176 71.8 0.0 138.4

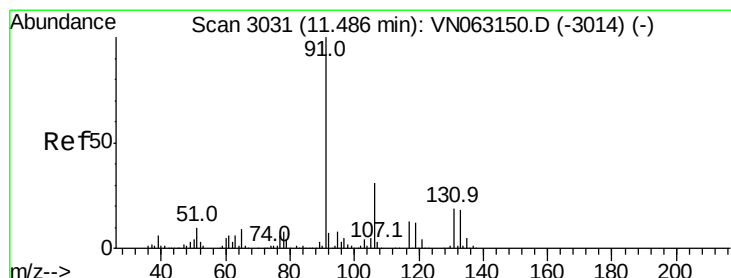
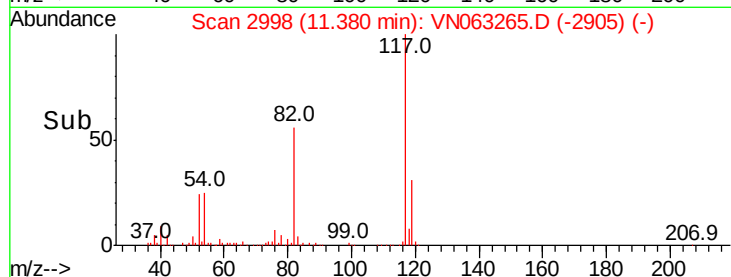
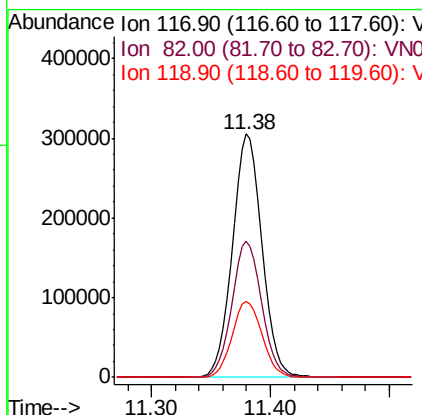
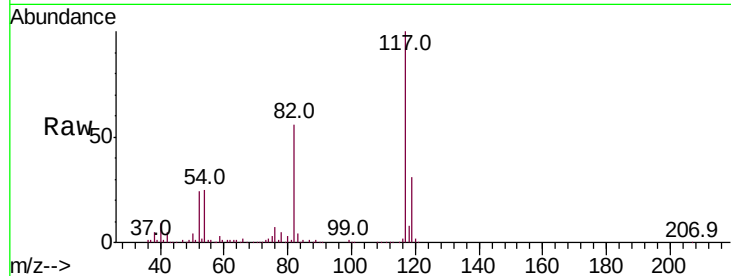




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

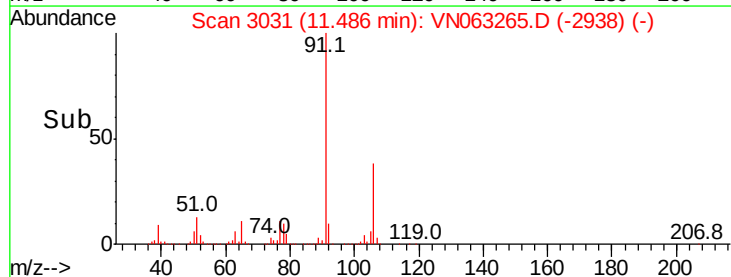
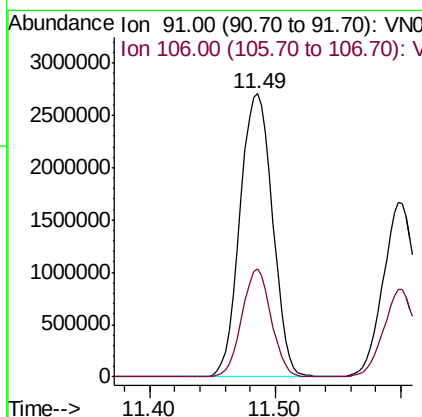
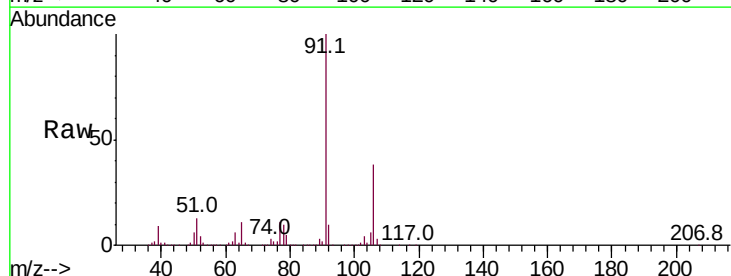
Instrument :
MSVOA_N
ClientSampled :
TP-1

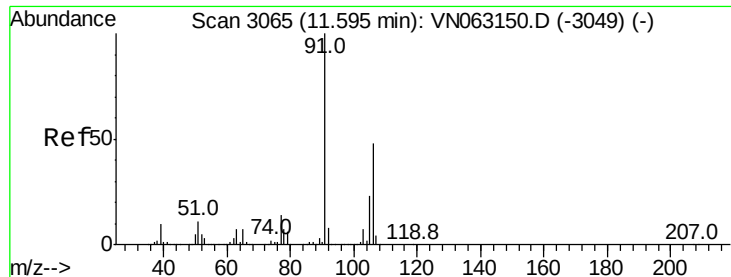
Tot Ion:117 Resp: 525291
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.0
119 31.2 24.6 37.0



#67
Ethyl Benzene
Concen: 253.362 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Tgt Ion: 91 Resp: 4890135
Ion Ratio Lower Upper
91 100
106 38.3 24.4 36.6#





#68

m/p-Xylenes

Concen: 209.112 ug/l

RT: 11.60 min Scan# 3066

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

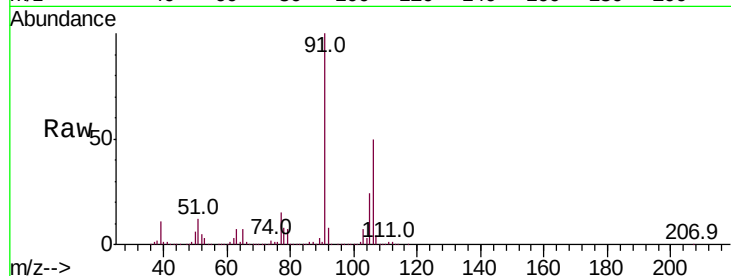
TP-1

Tot Ion:106 Resp: 1494833

Ion Ratio Lower Upper

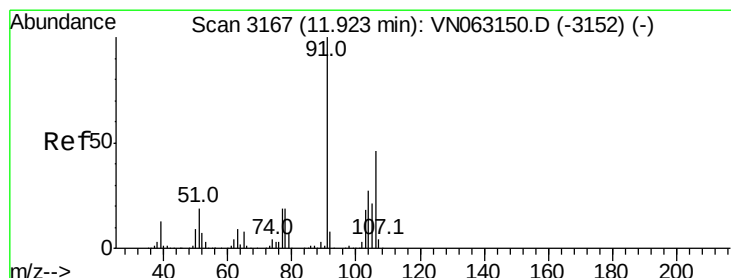
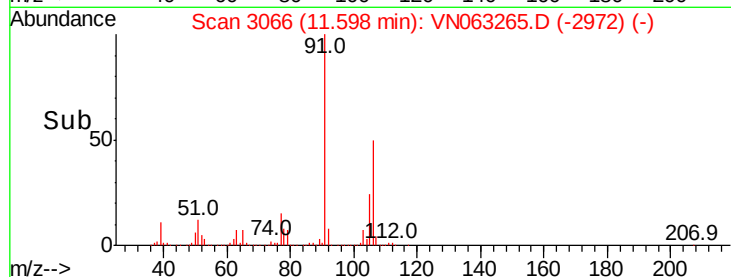
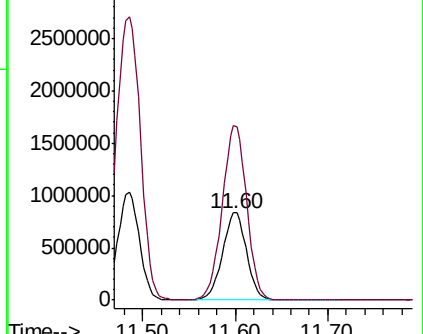
106 100

91 203.6 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 77.472 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063265.D

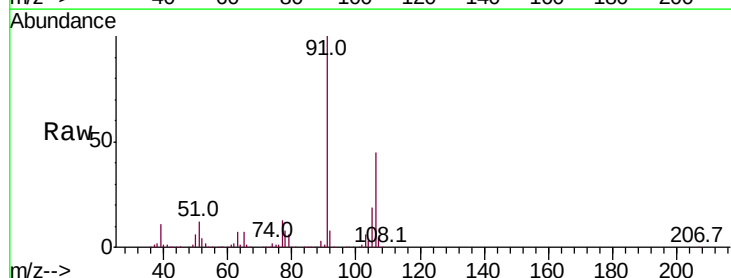
Acq: 5 Sep 2020 3:36

Tgt Ion:106 Resp: 535000

Ion Ratio Lower Upper

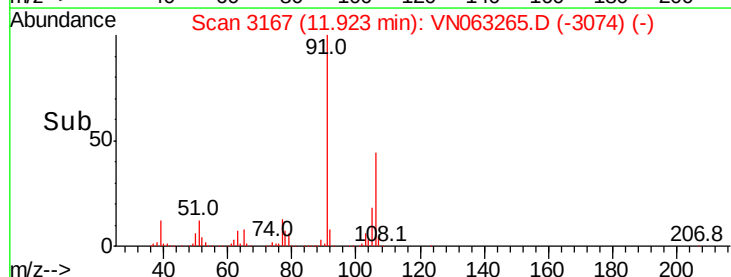
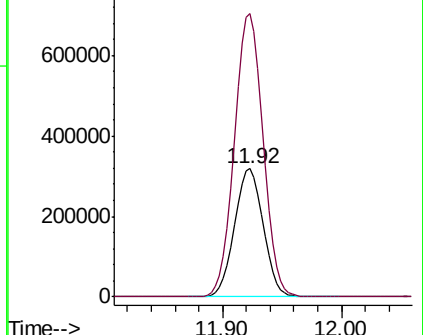
106 100

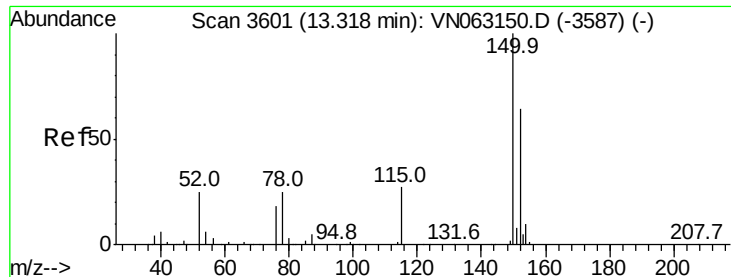
91 219.7 108.6 325.6



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: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampleId :

TP-1

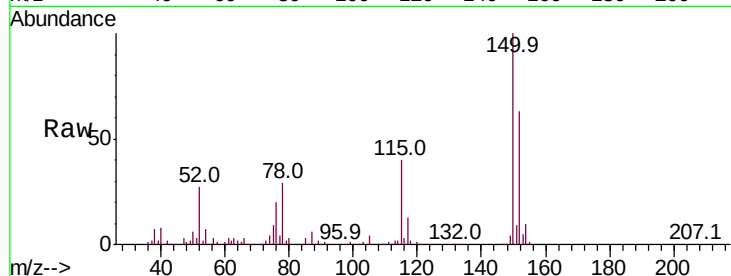
Tot Ion:152 Resp: 265705

Ion Ratio Lower Upper

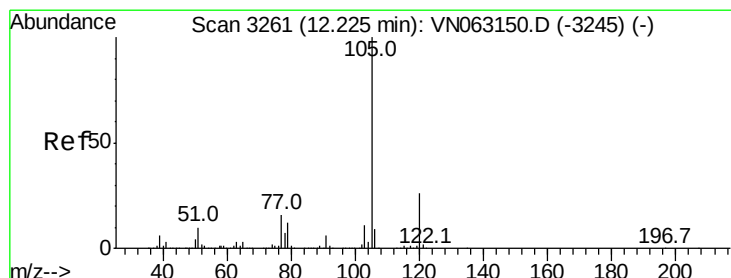
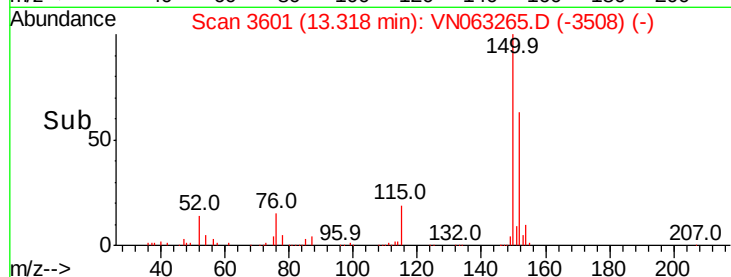
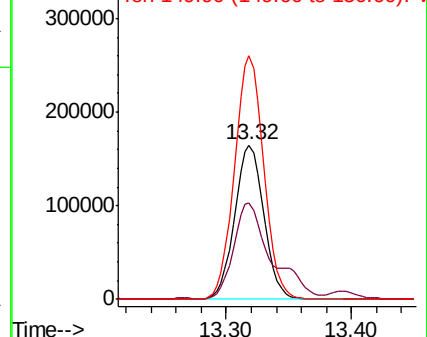
152 100

115 79.8 32.0 96.2

150 158.3 0.0 353.0



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: 6.159 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063265.D

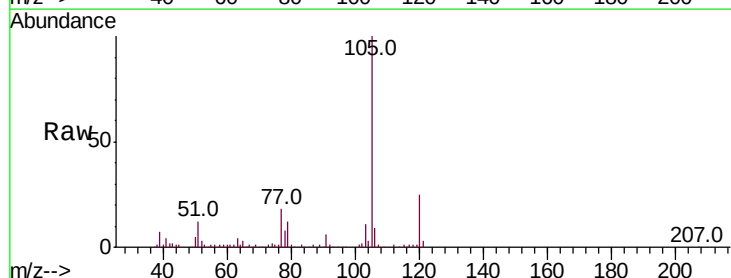
Acq: 5 Sep 2020 3:36

Tgt Ion:105 Resp: 125510

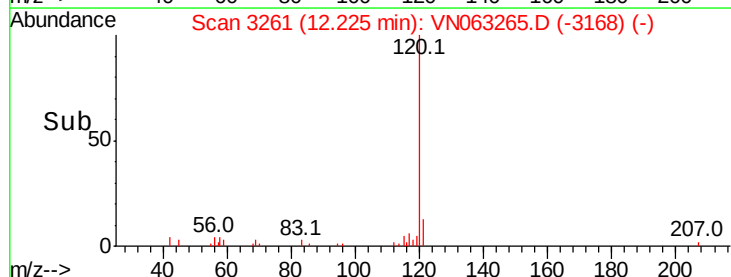
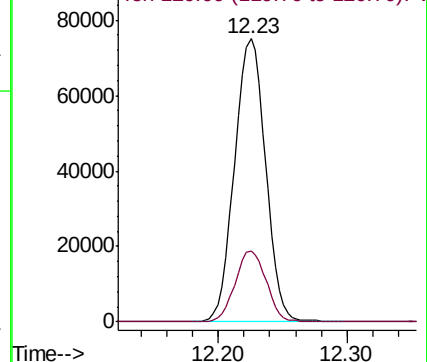
Ion Ratio Lower Upper

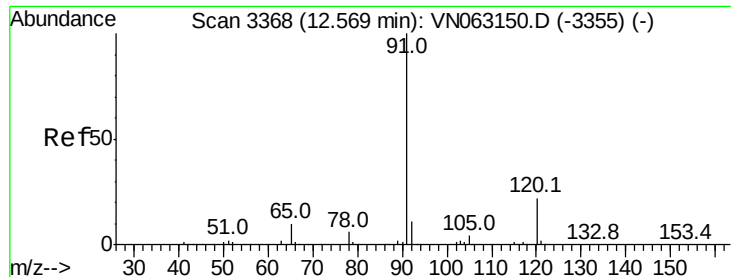
105 100

120 25.0 12.9 38.6



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





#78

n-propylbenzene

Concen: 7.142 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

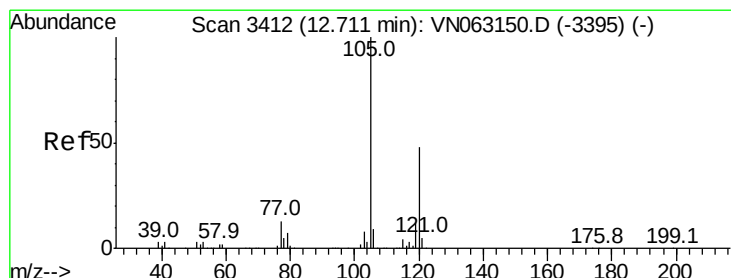
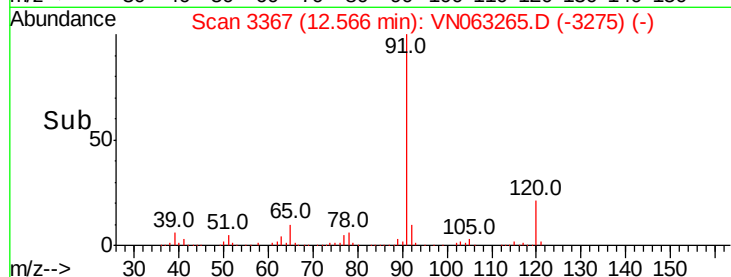
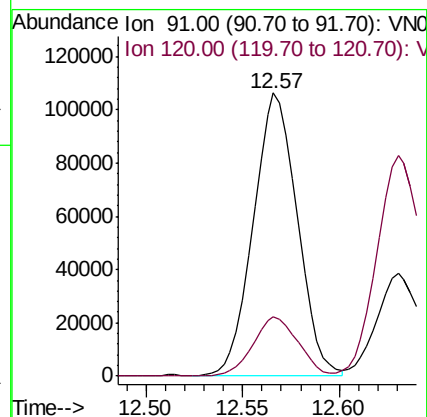
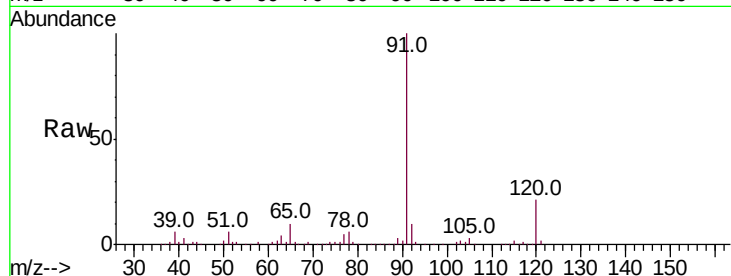
TP-1

Tot Ion: 91 Resp: 168426

Ion Ratio Lower Upper

91 100

120 21.7 10.9 32.7



#80

1,3,5-Trimethylbenzene

Concen: 31.013 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063265.D

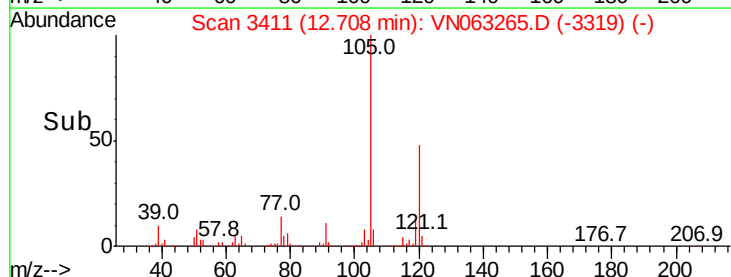
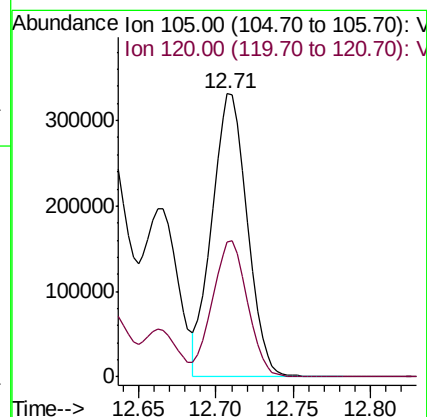
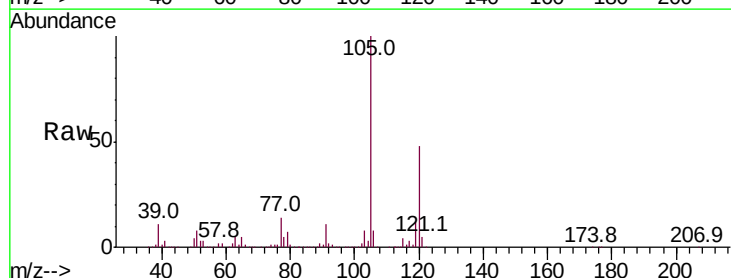
Acq: 5 Sep 2020 3:36

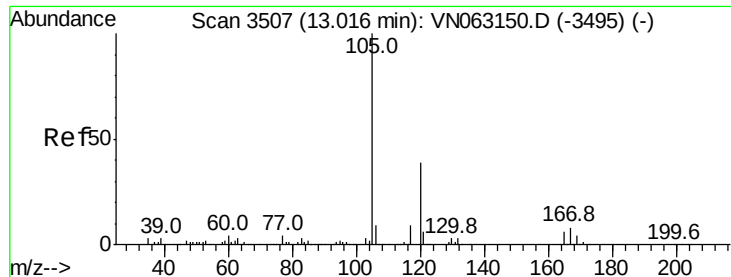
Tgt Ion:105 Resp: 526065

Ion Ratio Lower Upper

105 100

120 48.1 24.2 72.6

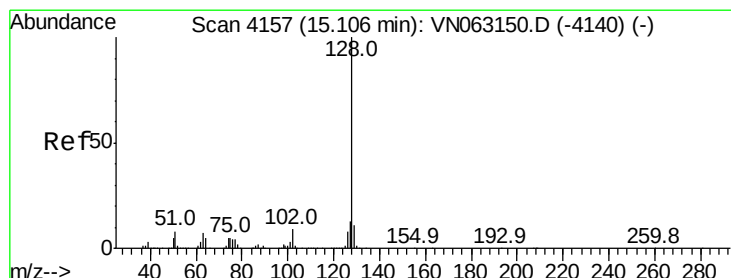
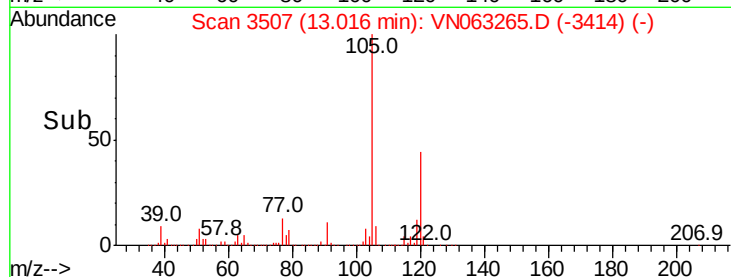
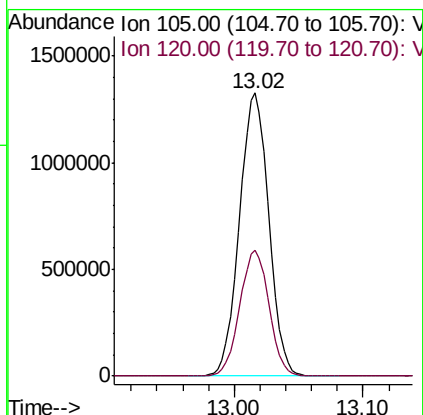
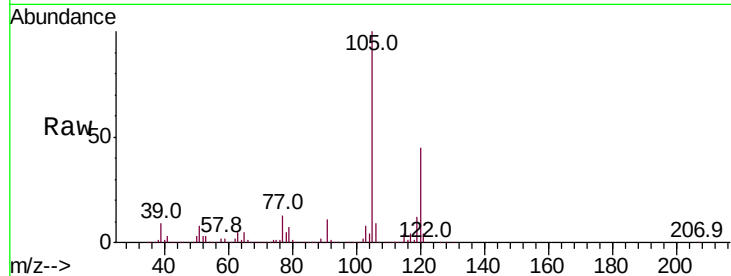




#84
 1,2,4-Trimethylbenzene
 Concen: 122.701 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

Tot Ion:105 Resp: 2097955
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.6 67.7



#95
 Naphthalene
 Concen: 1110.921 ug/l
 RT: 15.11 min Scan# 4159
 Delta R.T. 0.01 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

Tgt Ion:128 Resp:17013883
 Ion Ratio Lower Upper
 128 100
 127 52.8 10.5 15.7#
 129 55.9 8.6 13.0#

