

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077872.D
 Acq On : 25 May 2023 01:24
 Operator : JC\MD
 Sample : 02884-02
 Misc : 5.08g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2006

Quant Time: May 25 05:01:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

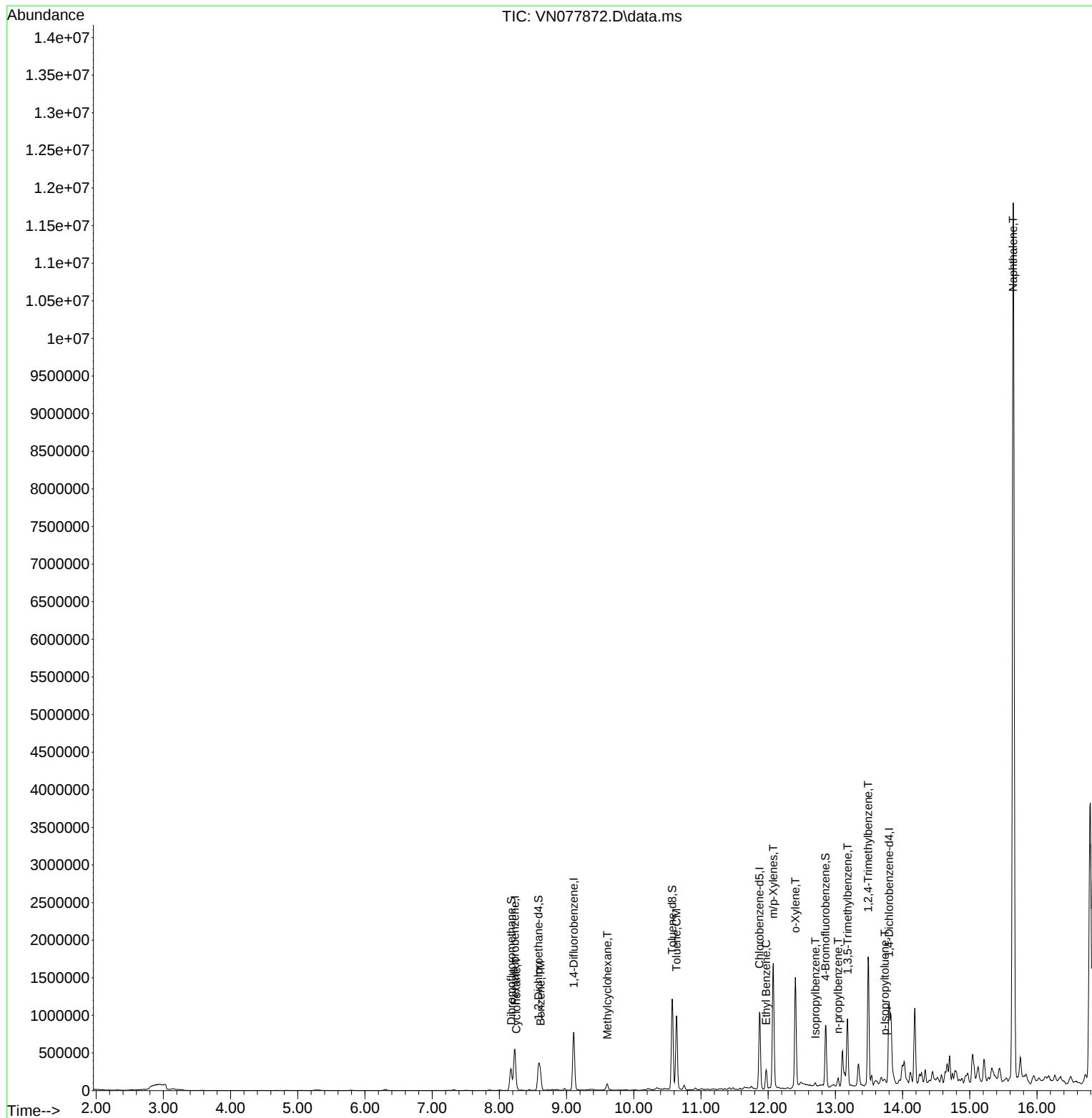
Internal Standards						
1) Pentafluorobenzene	8.230	168	393094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	699107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	623174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	289018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	252613	42.949	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.900%		
35) Dibromofluoromethane	8.177	113	216190	47.423	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.840%		
50) Toluene-d8	10.571	98	867381	49.431	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.853	95	305656	49.321	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.640%		
Target Compounds						
					Qvalue	
31) Cyclohexane	8.253	56	22881	2.862	ug/l	92
39) Methylcyclohexane	9.606	83	36604	4.484	ug/l	90
40) Benzene	8.612	78	234929	11.939	ug/l	97
52) Toluene	10.635	92	435448	35.547	ug/l	96
67) Ethyl Benzene	11.970	91	190107	7.852	ug/l	97
68) m/p-Xylenes	12.076	106	512808	55.902	ug/l	98
69) o-Xylene	12.406	106	407543	45.175	ug/l	97
73) Isopropylbenzene	12.706	105	32720	1.313	ug/l	96
78) n-propylbenzene	13.041	91	83115	2.830	ug/l	93
80) 1,3,5-Trimethylbenzene	13.182	105	483392	23.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	1008403	48.968	ug/l	98
86) p-Isopropyltoluene	13.735	119	25486	1.231	ug/l	91
95) Naphthalene	15.647	128	11001426	556.828	ug/l	99

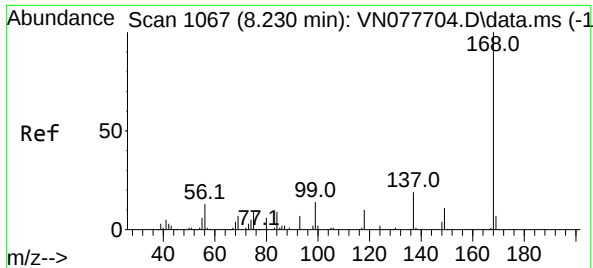
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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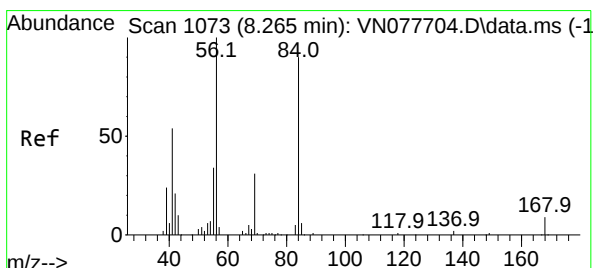
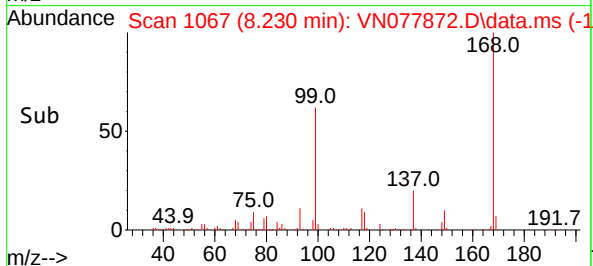
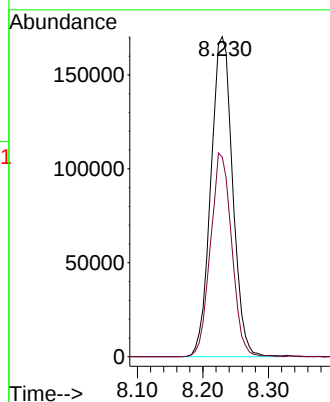
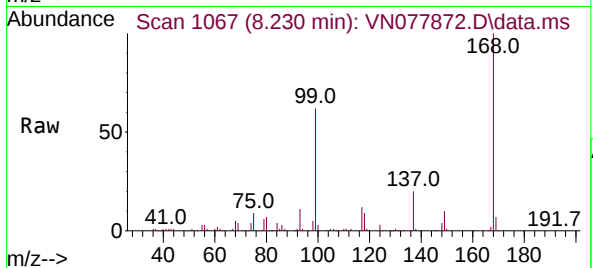




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

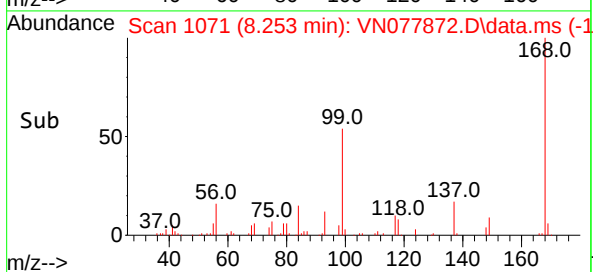
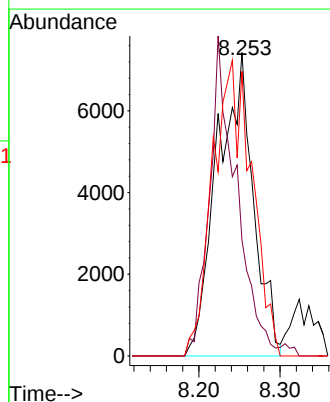
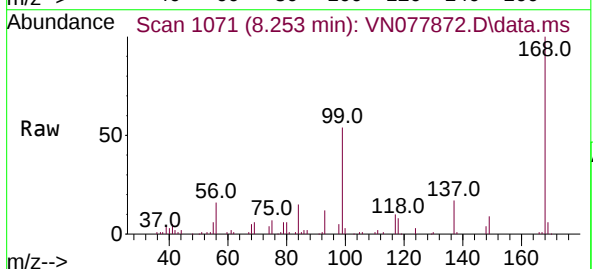
Instrument :
MSVOA_N
ClientSampleId :
2006

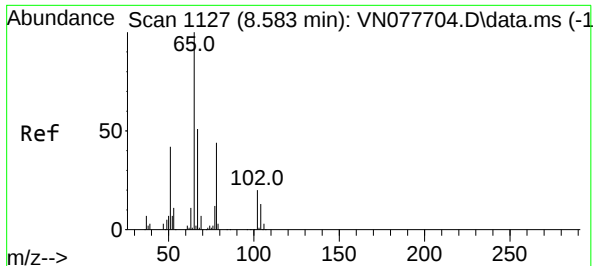
Tgt Ion:168 Resp: 393094
Ion Ratio Lower Upper
168 100
99 62.4 53.0 79.6



#31
Cyclohexane
Concen: 2.862 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.012 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

Tgt Ion: 56 Resp: 22881
Ion Ratio Lower Upper
56 100
69 38.2 26.8 40.2
84 93.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 42.949 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN077872.D

Acq: 25 May 2023 01:24

Instrument :

MSVOA_N

ClientSampleId :

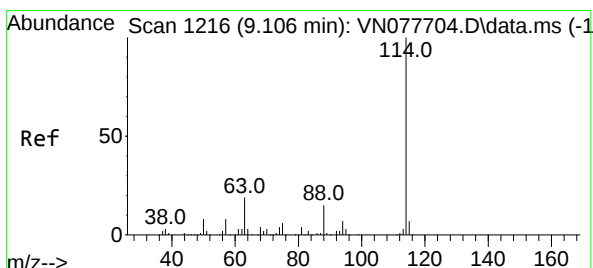
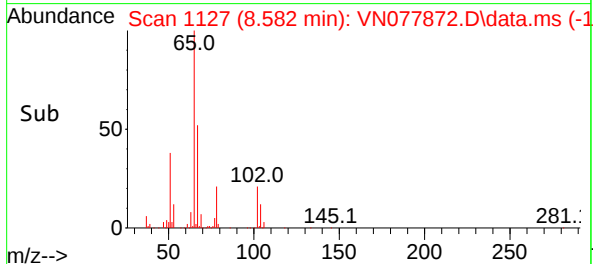
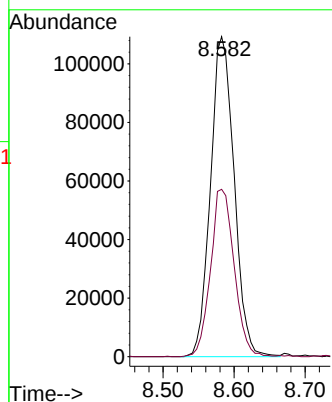
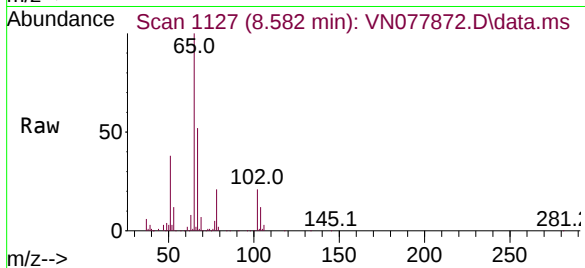
2006

Tgt Ion: 65 Resp: 252613

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN077872.D

Acq: 25 May 2023 01:24

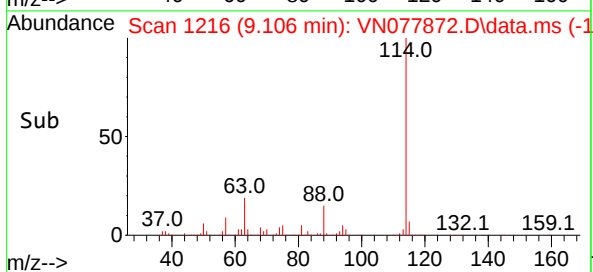
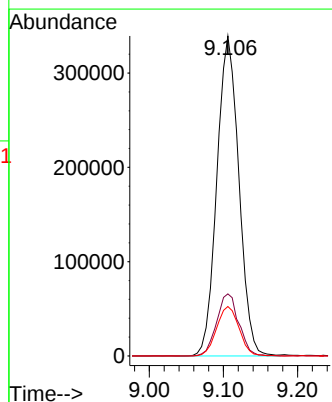
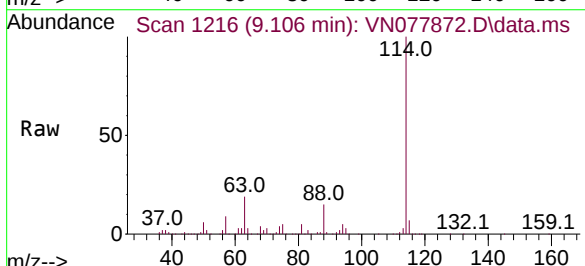
Tgt Ion: 114 Resp: 699107

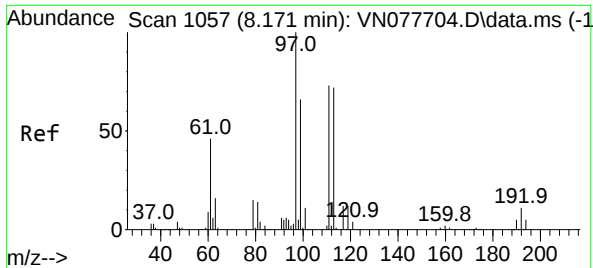
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 15.4 0.0 30.6

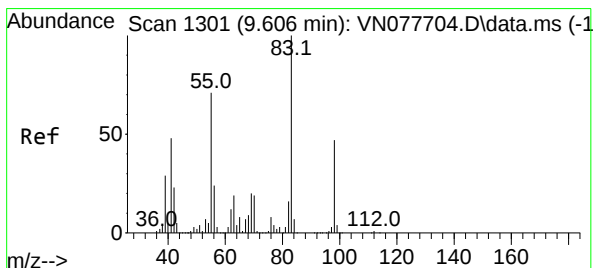
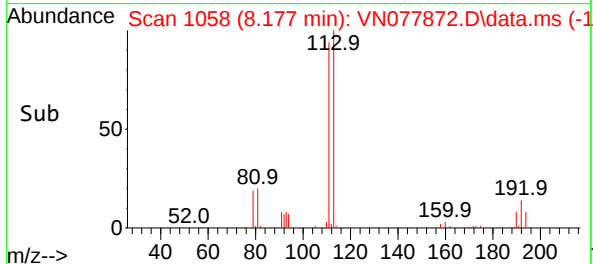
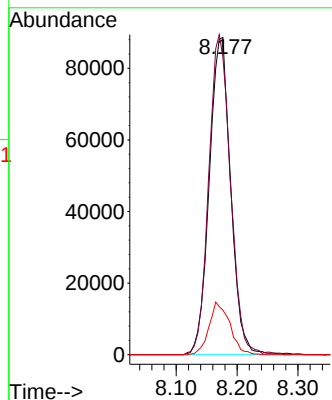
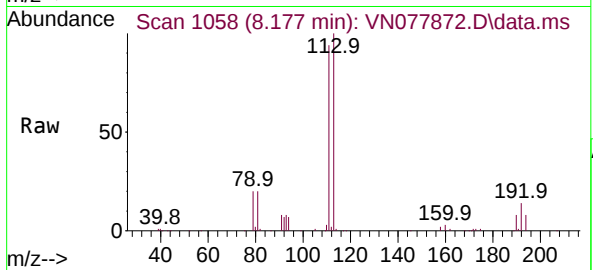




#35
Dibromofluoromethane
Concen: 47.423 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

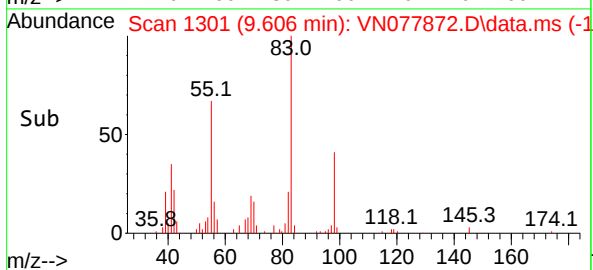
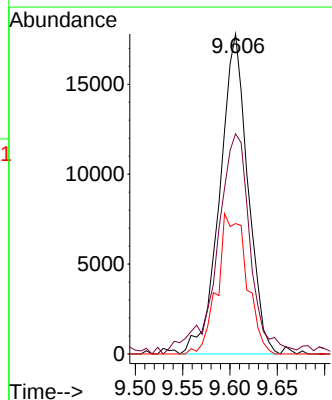
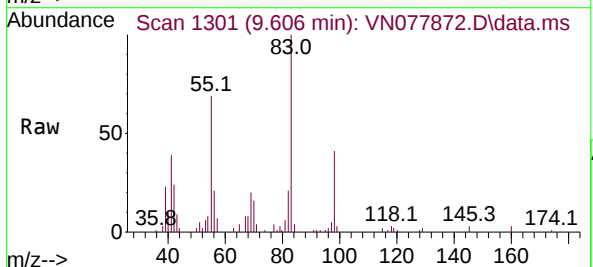
Instrument :
MSVOA_N
ClientSampleId :
2006

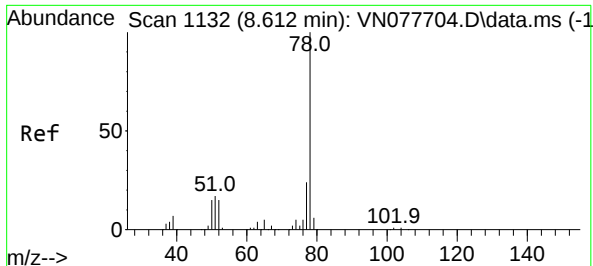
Tgt Ion:113 Resp: 216190
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 16.1 12.7 19.1



#39
Methylcyclohexane
Concen: 4.484 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

Tgt Ion: 83 Resp: 36604
Ion Ratio Lower Upper
83 100
55 65.8 49.1 73.7
98 40.8 40.6 61.0

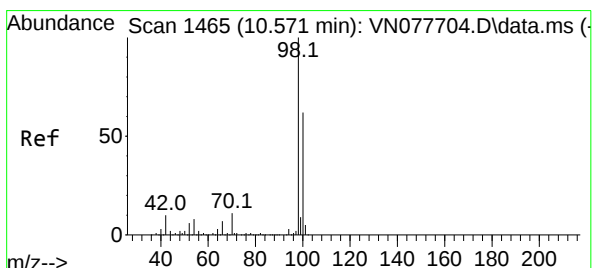
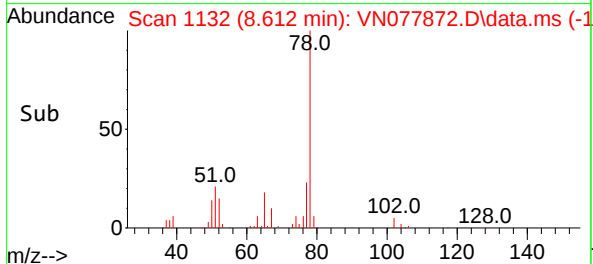
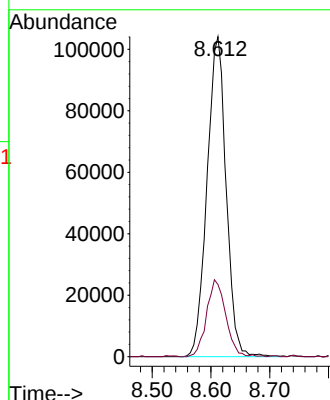
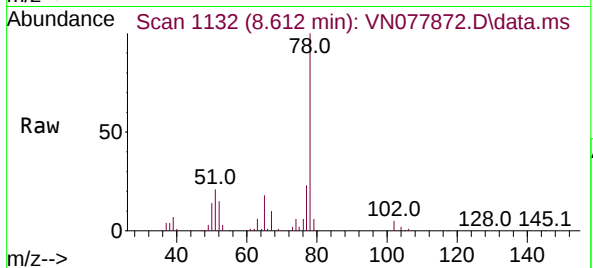




#40
Benzene
Concen: 11.939 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

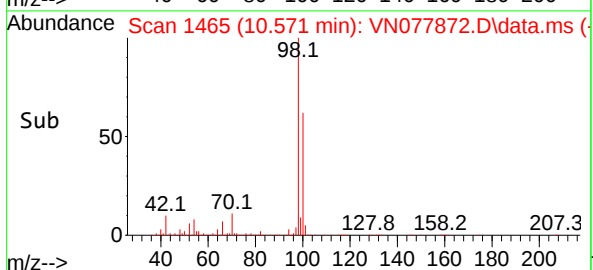
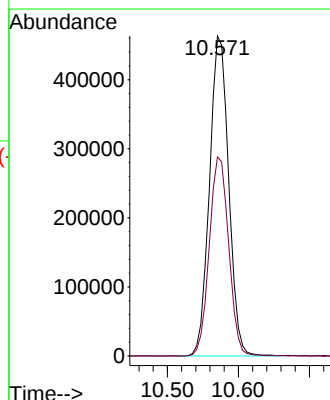
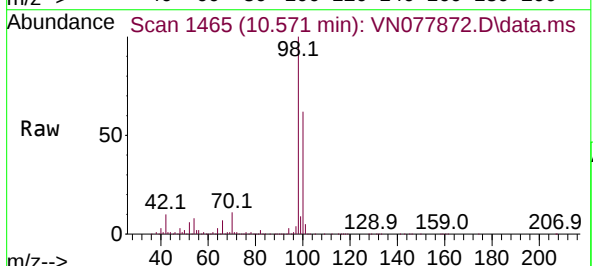
Instrument :
MSVOA_N
ClientSampleId :
2006

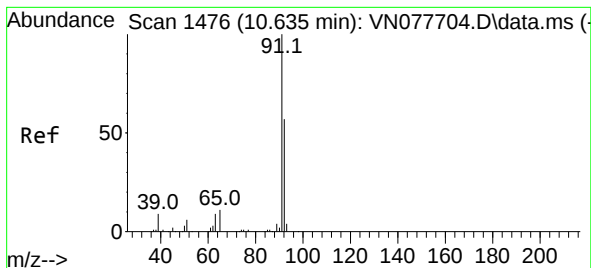
Tgt Ion: 78 Resp: 234929
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6



#50
Toluene-d8
Concen: 49.431 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

Tgt Ion: 98 Resp: 867381
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0





#52

Toluene

Concen: 35.547 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN077872.D

Acq: 25 May 2023 01:24

Instrument :

MSVOA_N

ClientSampleId :

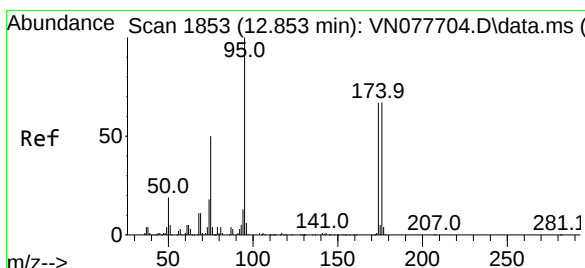
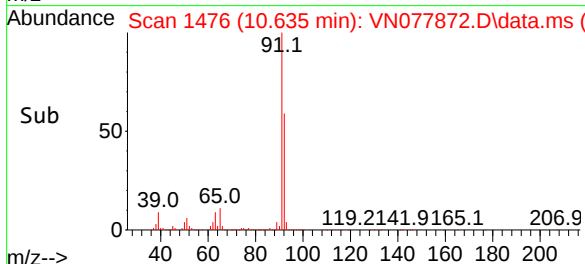
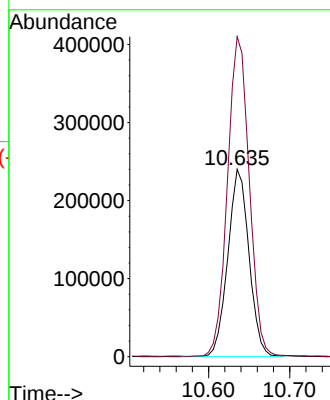
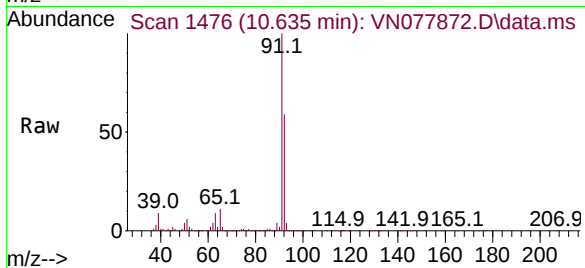
2006

Tgt Ion: 92 Resp: 435448

Ion Ratio Lower Upper

92 100

91 176.7 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 49.321 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN077872.D

Acq: 25 May 2023 01:24

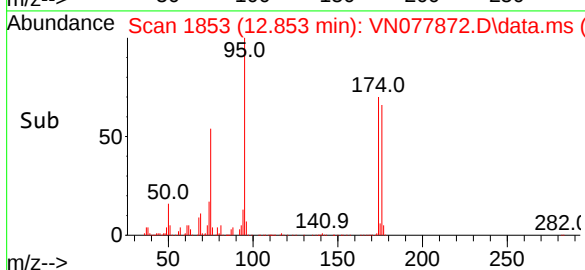
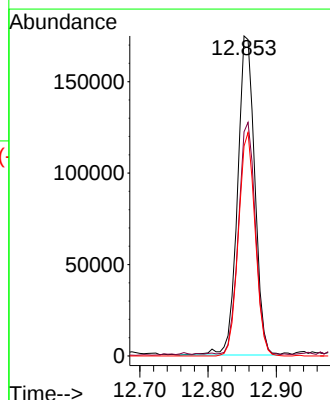
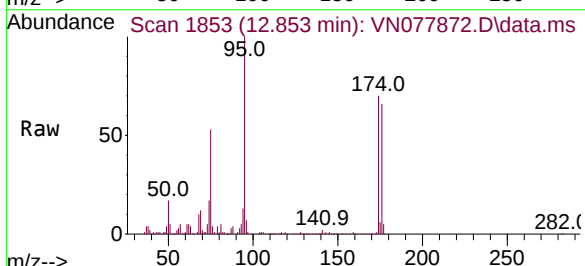
Tgt Ion: 95 Resp: 305656

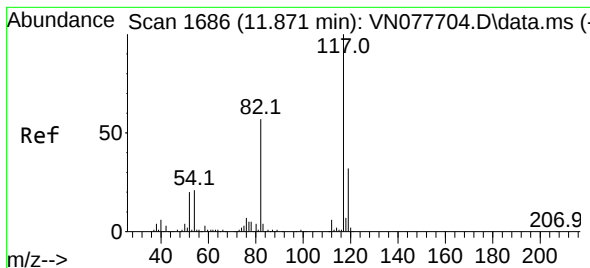
Ion Ratio Lower Upper

95 100

174 71.8 0.0 143.8

176 68.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077872.D

Acq: 25 May 2023 01:24

Instrument :

MSVOA_N

ClientSampleId :

2006

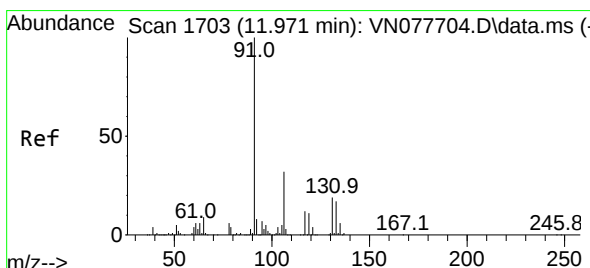
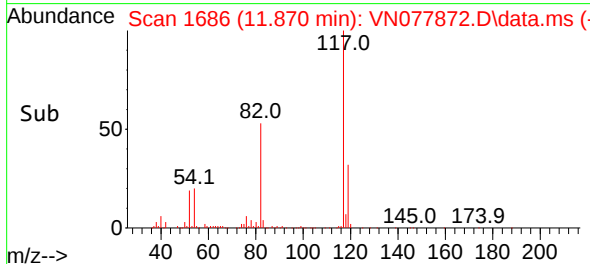
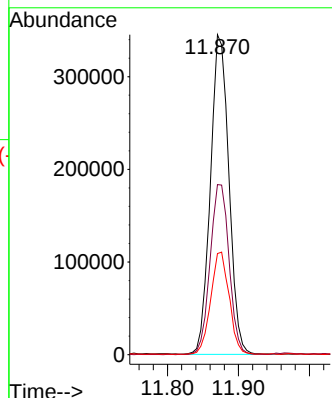
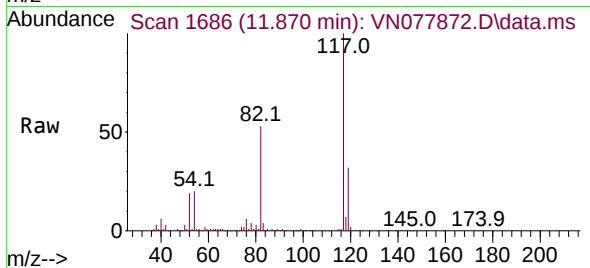
Tgt Ion:117 Resp: 623174

Ion Ratio Lower Upper

117 100

82 53.1 44.0 66.0

119 31.5 25.6 38.4



#67

Ethyl Benzene

Concen: 7.852 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VN077872.D

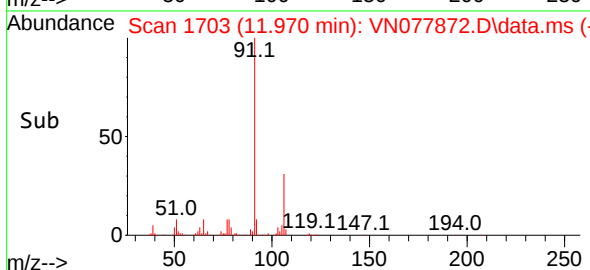
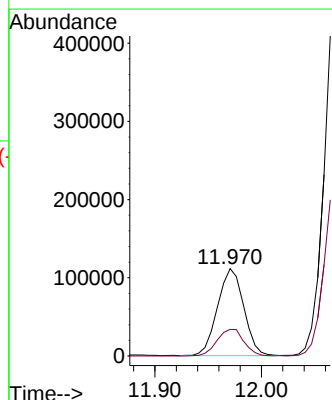
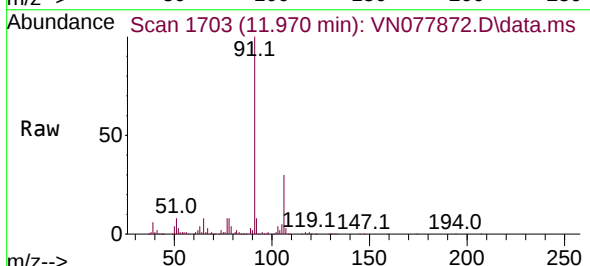
Acq: 25 May 2023 01:24

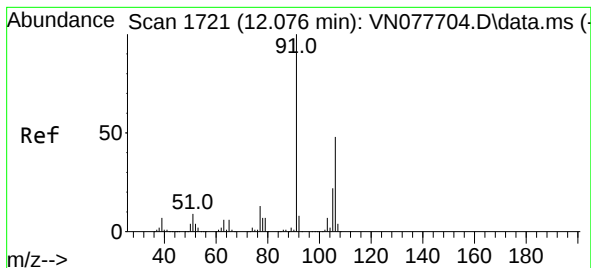
Tgt Ion: 91 Resp: 190107

Ion Ratio Lower Upper

91 100

106 30.5 25.6 38.4

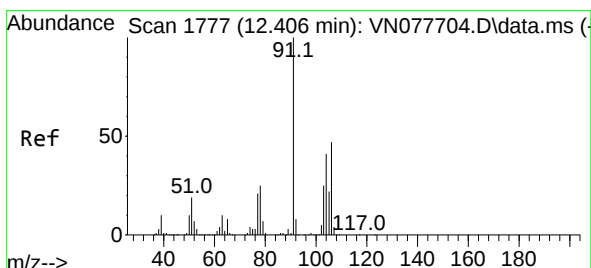
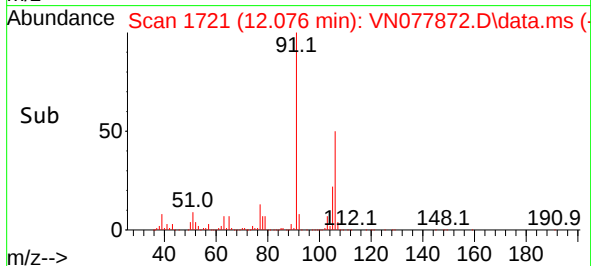
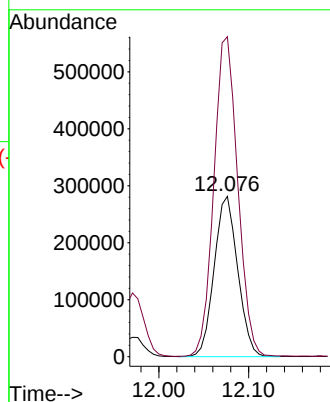
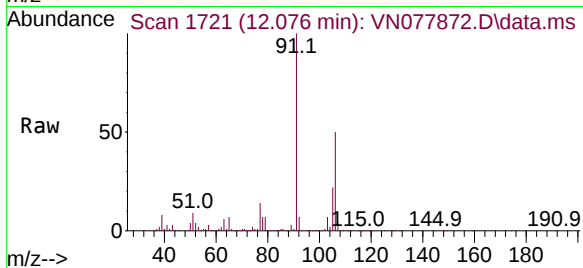




#68
m/p-Xylenes
Concen: 55.902 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

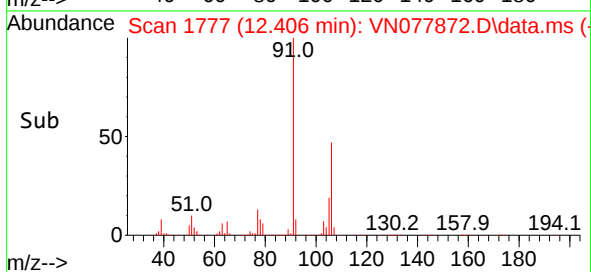
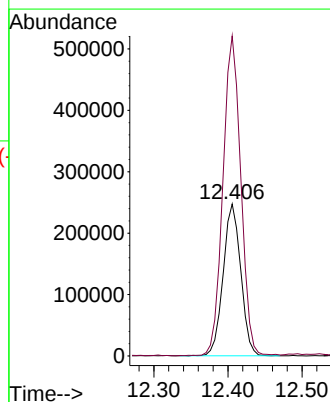
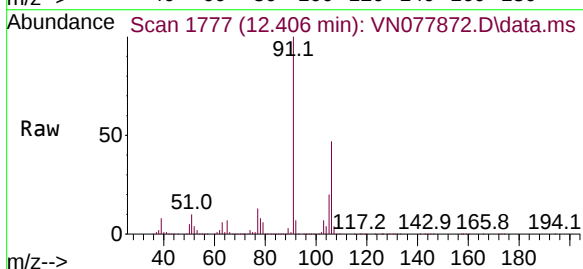
Instrument :
MSVOA_N
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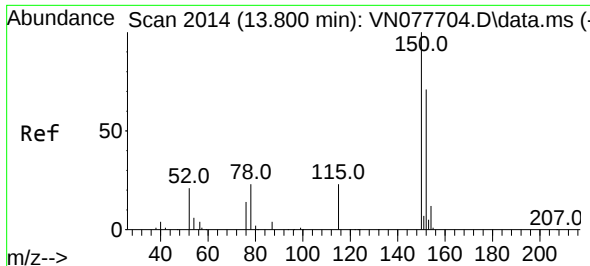
Tgt Ion:106 Resp: 512808
Ion Ratio Lower Upper
106 100
91 202.2 159.6 239.4



#69
o-Xylene
Concen: 45.175 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

Tgt Ion:106 Resp: 407543
Ion Ratio Lower Upper
106 100
91 214.6 105.2 315.5

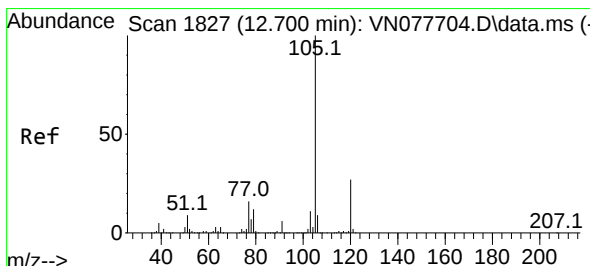
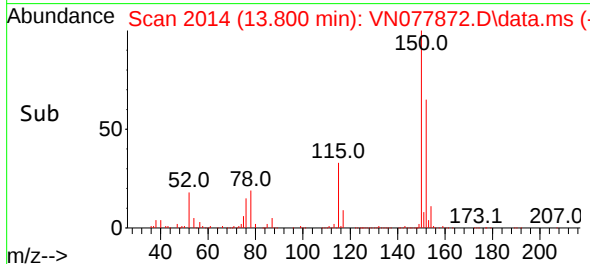
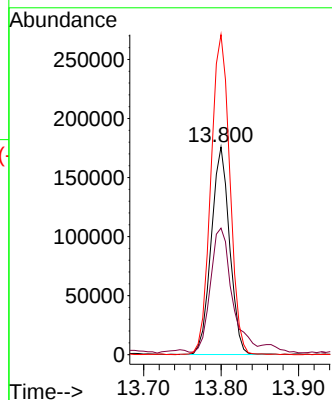
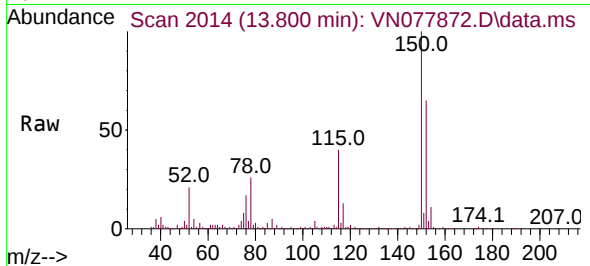




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

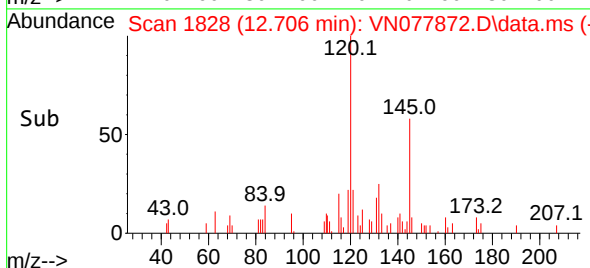
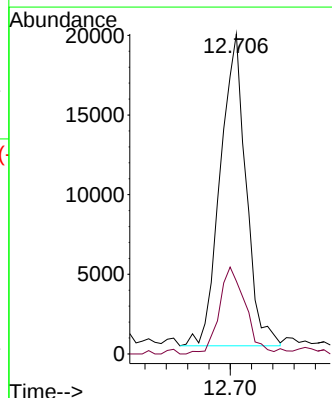
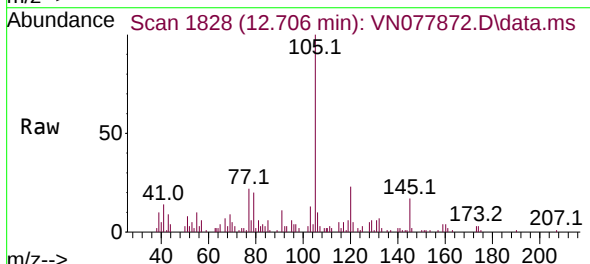
Instrument :
MSVOA_N
ClientSampleId :
2006

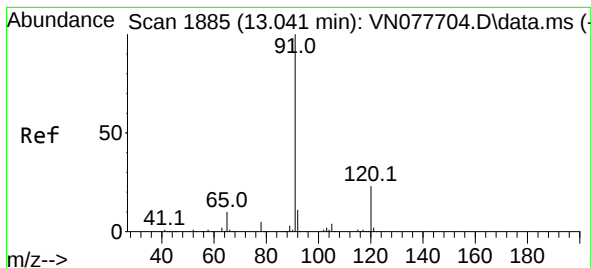
Tgt Ion:152 Resp: 289018
Ion Ratio Lower Upper
152 100
115 69.7 32.3 96.8
150 159.1 0.0 355.8



#73
Isopropylbenzene
Concen: 1.313 ug/l
RT: 12.706 min Scan# 1828
Delta R.T. 0.006 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

Tgt Ion:105 Resp: 32720
Ion Ratio Lower Upper
105 100
120 28.2 13.1 39.1





#78

n-propylbenzene

Concen: 2.830 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN077872.D

Acq: 25 May 2023 01:24

Instrument :

MSVOA_N

ClientSampleId :

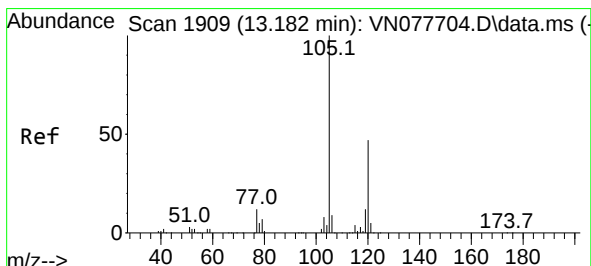
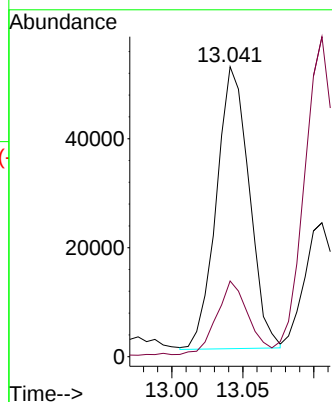
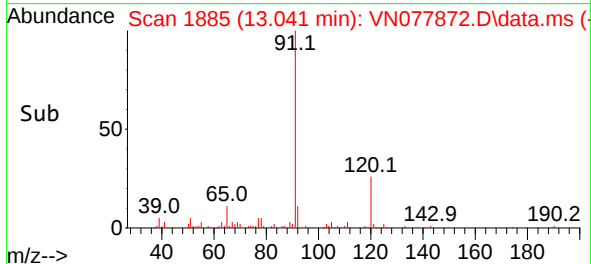
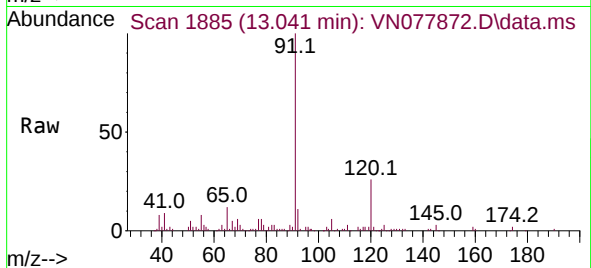
2006

Tgt Ion: 91 Resp: 83115

Ion Ratio Lower Upper

91 100

120 26.2 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 23.086 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VN077872.D

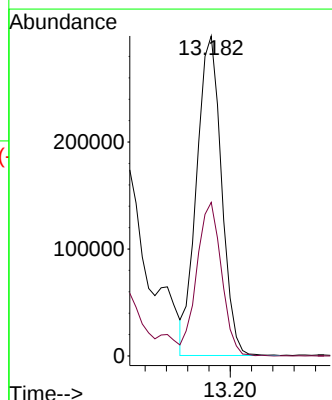
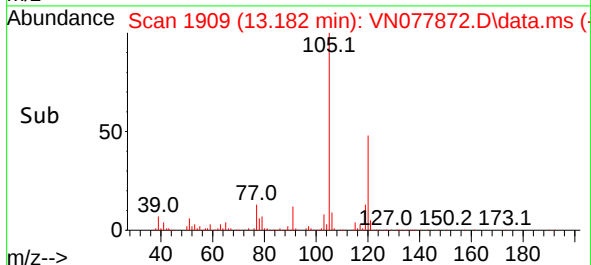
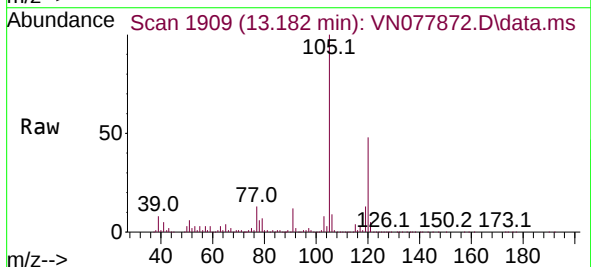
Acq: 25 May 2023 01:24

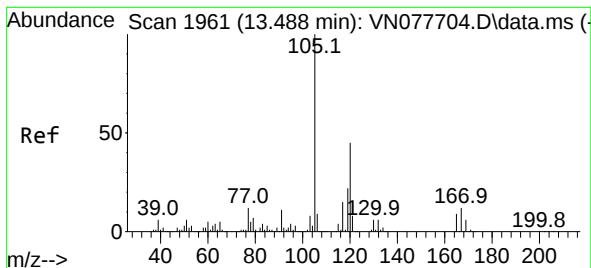
Tgt Ion:105 Resp: 483392

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 48.968 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN077872.D

Acq: 25 May 2023 01:24

Instrument :

MSVOA_N

ClientSampleId :

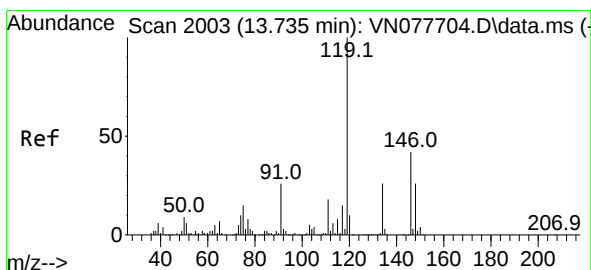
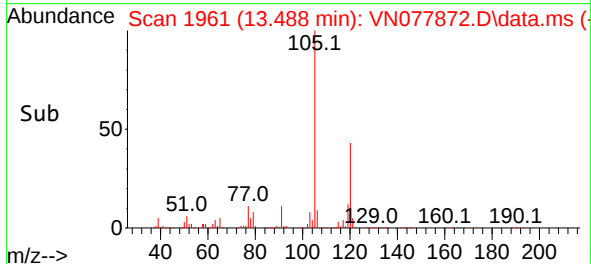
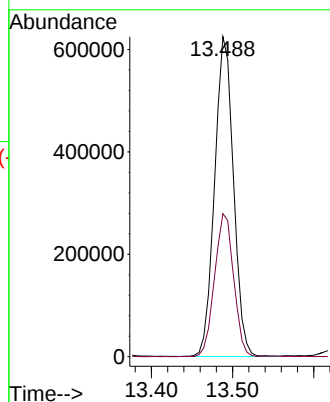
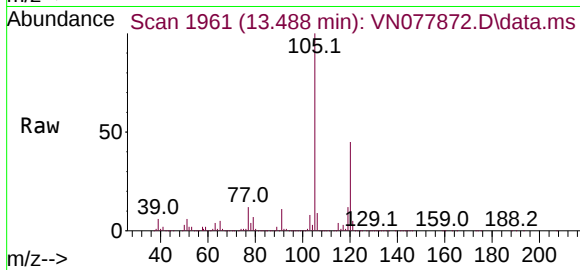
2006

Tgt Ion:105 Resp: 1008403

Ion Ratio Lower Upper

105 100

120 45.3 22.0 66.0



#86

p-Isopropyltoluene

Concen: 1.231 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN077872.D

Acq: 25 May 2023 01:24

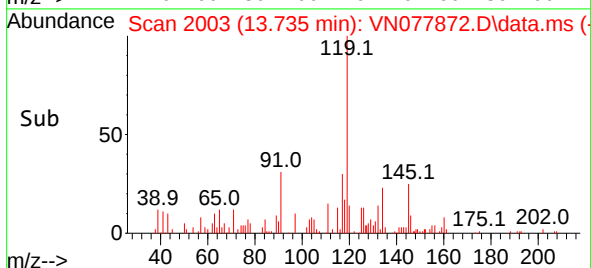
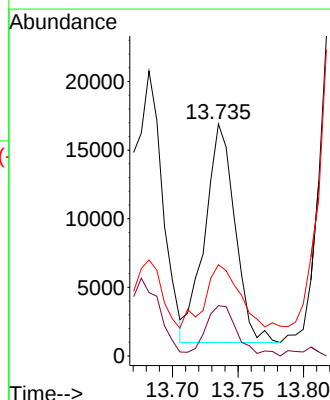
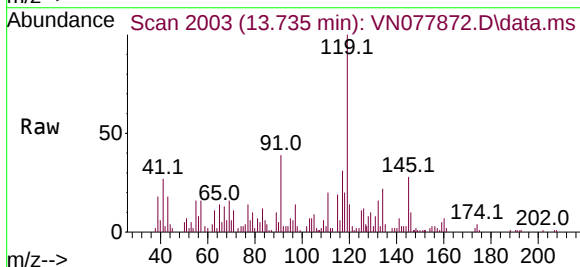
Tgt Ion:119 Resp: 25486

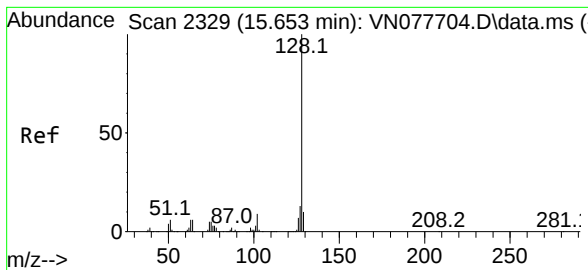
Ion Ratio Lower Upper

119 100

134 24.0 12.6 37.8

91 33.0 12.4 37.2





#95
Naphthalene
Concen: 556.828 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077872.D
Acq: 25 May 2023 01:24

Instrument :
MSVOA_N
ClientSampleId :
2006

Tgt Ion:128 Resp:11001426
Ion Ratio Lower Upper
128 100
127 13.2 10.0 15.0
129 11.1 8.7 13.1

