

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075857.D
 Acq On : 16 Dec 2022 19:02
 Operator : JC\MD
 Sample : N6096-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33871

Quant Time: Dec 17 08:43:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

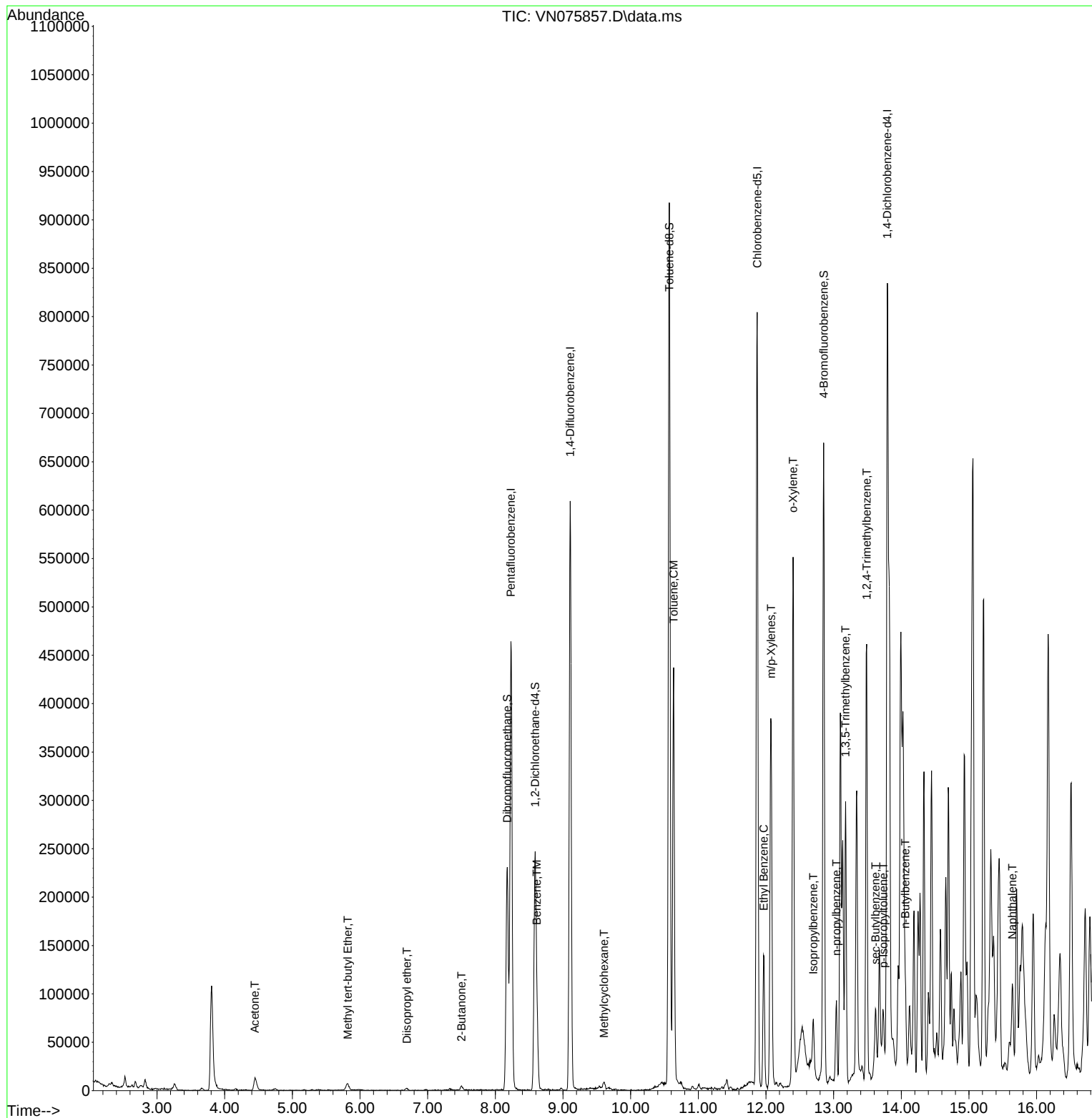
Internal Standards						
1) Pentafluorobenzene	8.230	168	364249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	566058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	500697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	229746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	184804	46.636	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.280%
35) Dibromofluoromethane	8.177	113	167115	47.672	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.340%
50) Toluene-d8	10.571	98	664027	50.663	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.320%
62) 4-Bromofluorobenzene	12.853	95	215750	49.700	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.400%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	24622	18.025	ug/l #	87
19) Methyl tert-butyl Ether	5.818	73	10910	1.026	ug/l	92
22) Diisopropyl ether	6.694	45	2490	0.272	ug/l #	87
25) 2-Butanone	7.500	43	7160	3.743	ug/l	89
39) Methylcyclohexane	9.606	83	3451	0.614	ug/l #	85
40) Benzene	8.612	78	79901	5.561	ug/l	97
52) Toluene	10.635	92	193340	20.662	ug/l	99
67) Ethyl Benzene	11.965	91	102167	5.890	ug/l	93
68) m/p-Xylenes	12.076	106	138348	20.153	ug/l	98
69) o-Xylene	12.400	106	160767	23.665	ug/l	99
73) Isopropylbenzene	12.700	105	34934	2.104	ug/l	98
78) n-propylbenzene	13.041	91	64084	3.500	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	157322	11.322	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	268186	19.455	ug/l	99
85) sec-Butylbenzene	13.617	105	39537	2.338	ug/l	89
86) p-Isopropyltoluene	13.735	119	28667	2.037	ug/l	97
89) n-Butylbenzene	14.059	91	33491	2.938	ug/l #	73
95) Naphthalene	15.641	128	79667	8.272	ug/l	97

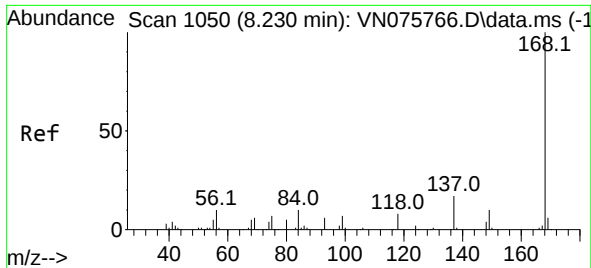
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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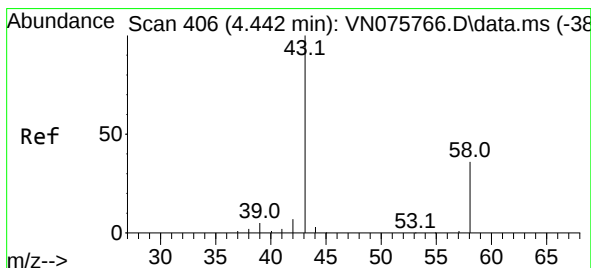
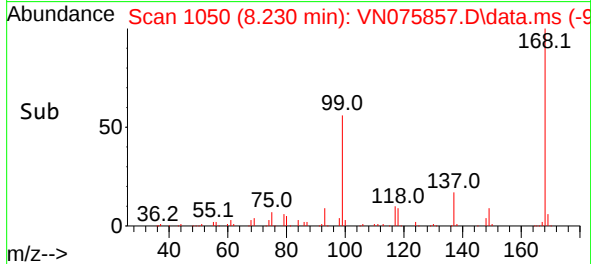
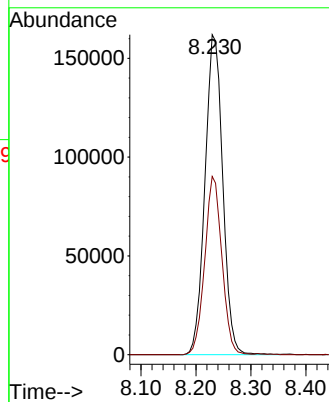
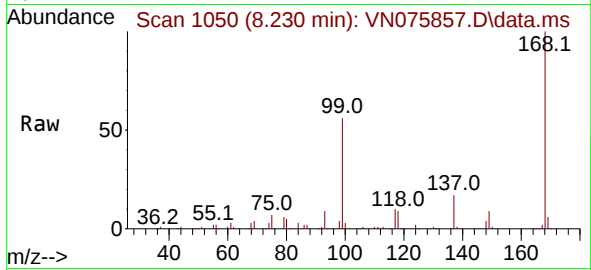




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

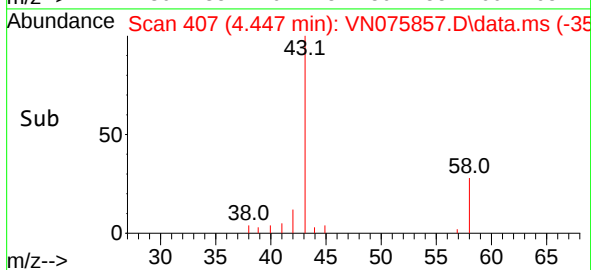
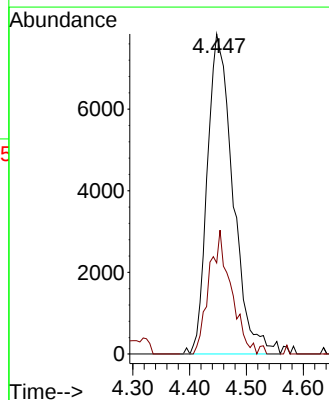
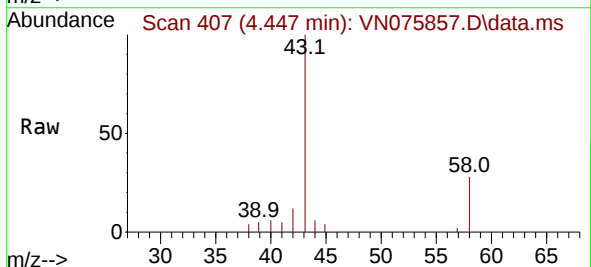
Instrument :
MSVOA_N
ClientSampleId :
33871

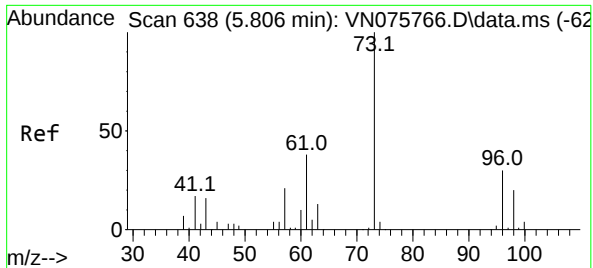
Tgt Ion:168 Resp: 364249
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#16
Acetone
Concen: 18.025 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

Tgt Ion: 43 Resp: 24622
Ion Ratio Lower Upper
43 100
58 28.5 28.6 43.0#

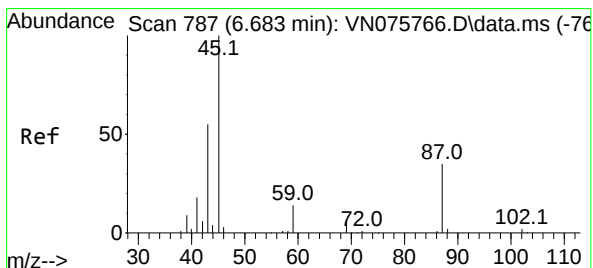
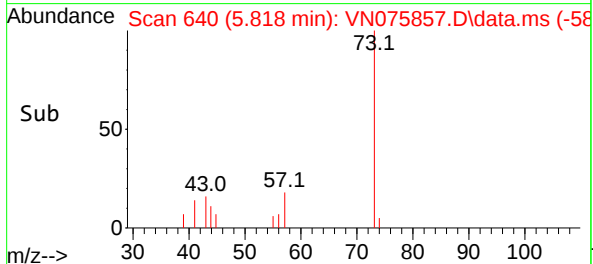
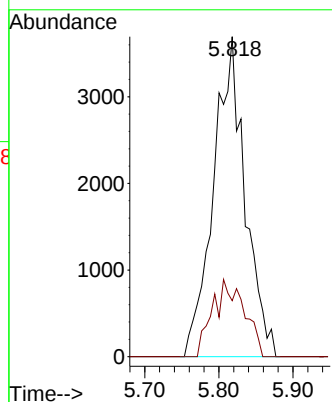
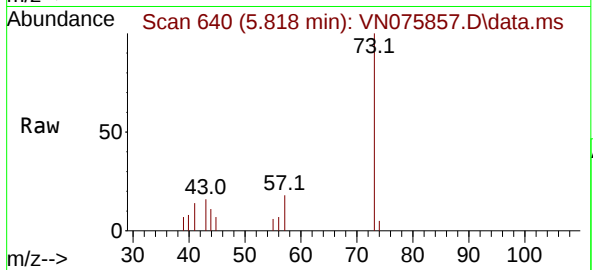




#19
Methyl tert-butyl Ether
Concen: 1.026 ug/l
RT: 5.818 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

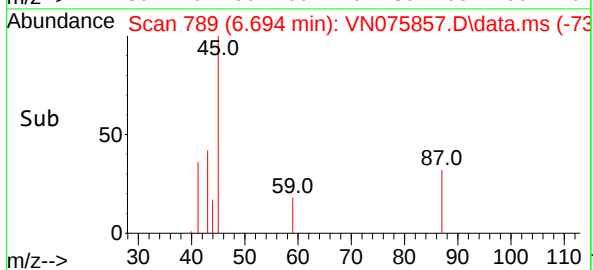
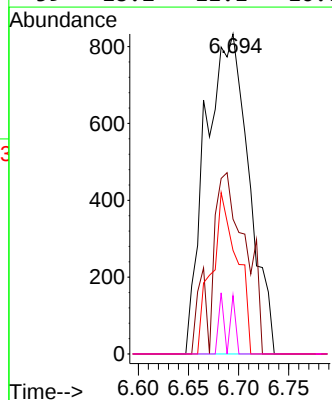
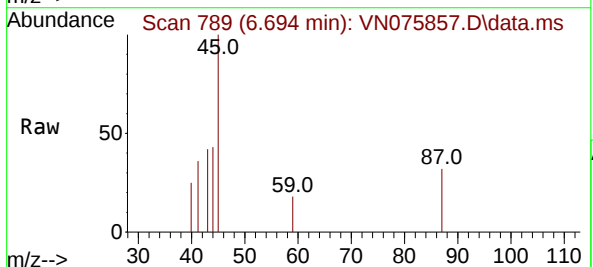
Instrument :
MSVOA_N
ClientSampleId :
33871

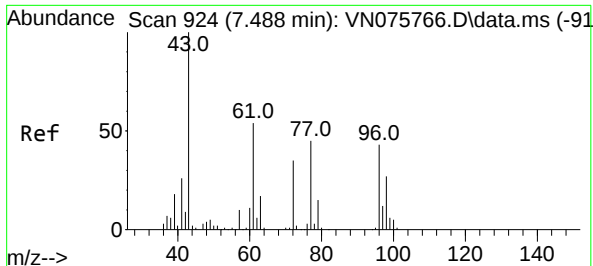
Tgt Ion: 73 Resp: 10910
Ion Ratio Lower Upper
73 100
57 17.5 17.1 25.7



#22
Diisopropyl ether
Concen: 0.272 ug/l
RT: 6.694 min Scan# 789
Delta R.T. 0.012 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

Tgt Ion: 45 Resp: 2490
Ion Ratio Lower Upper
45 100
43 42.1 44.2 66.4#
87 32.4 28.3 42.5
59 18.2 11.1 16.7#





#25

2-Butanone

Concen: 3.743 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075857.D

Acq: 16 Dec 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

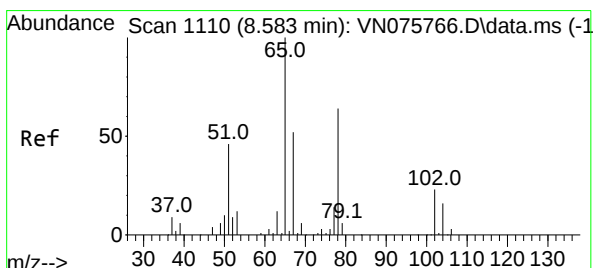
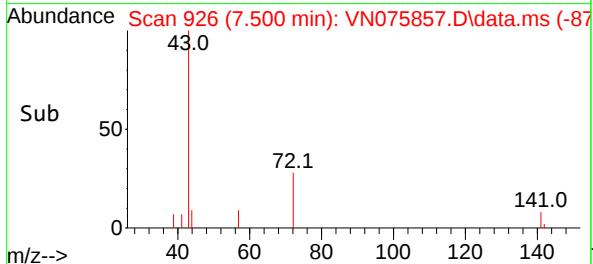
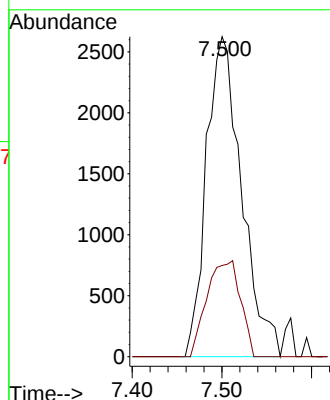
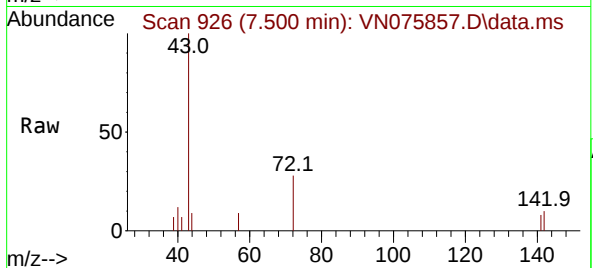
33871

Tgt Ion: 43 Resp: 7160

Ion Ratio Lower Upper

43 100

72 28.5 28.0 42.0



#33

1,2-Dichloroethane-d4

Concen: 46.636 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075857.D

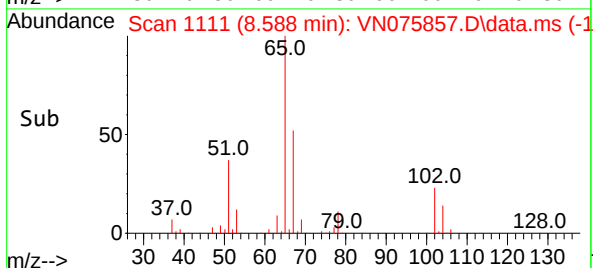
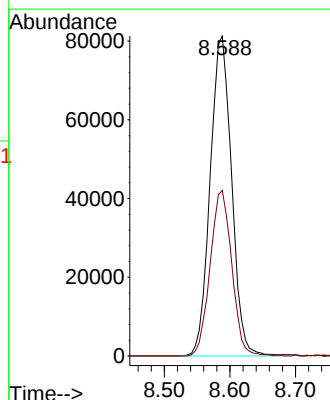
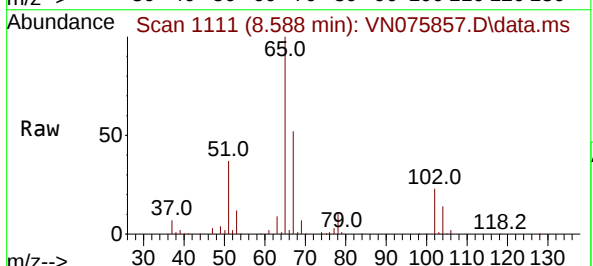
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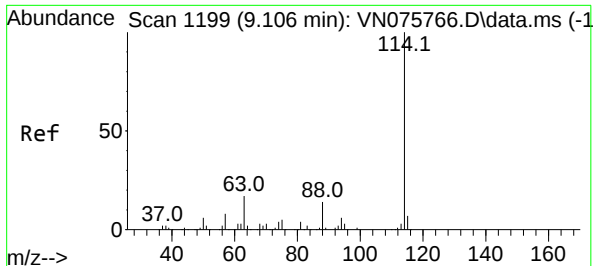
Tgt Ion: 65 Resp: 184804

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4

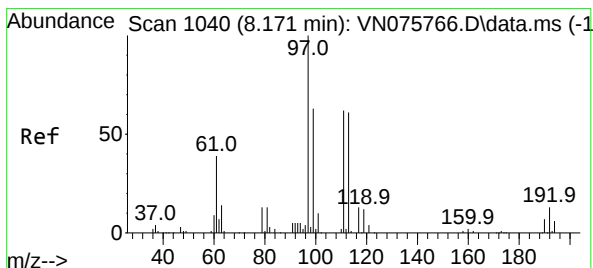
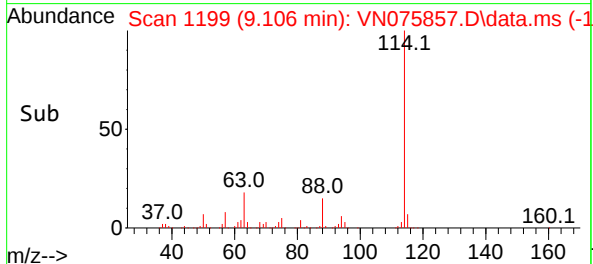
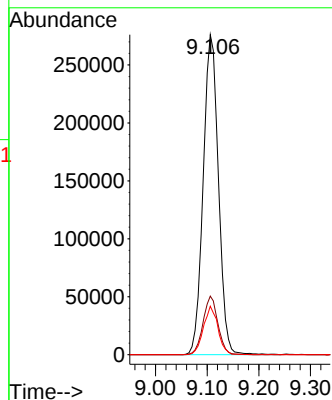
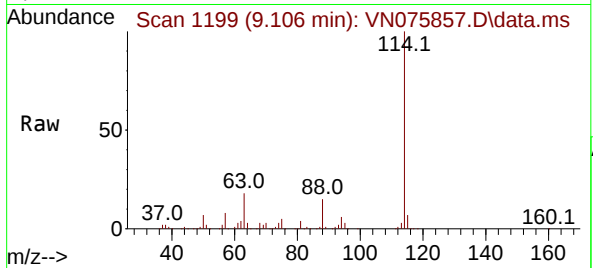




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

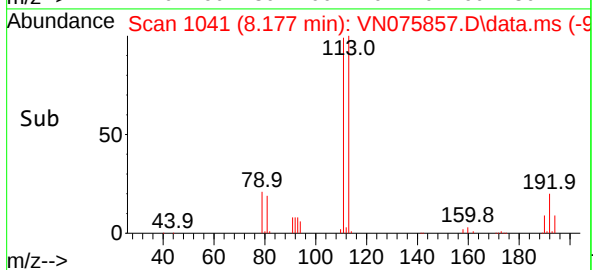
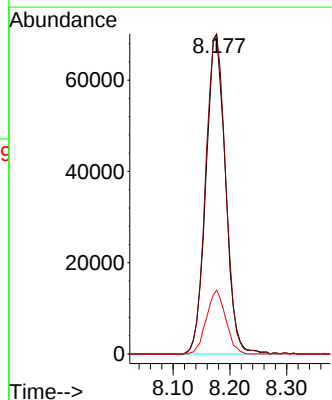
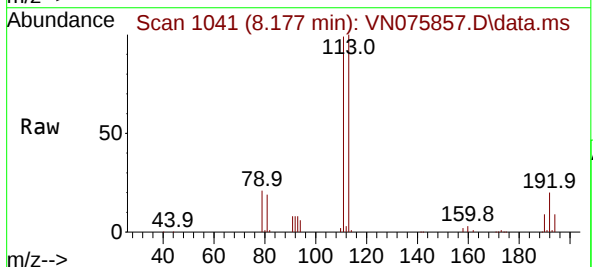
Instrument :
MSVOA_N
ClientSampleId :
33871

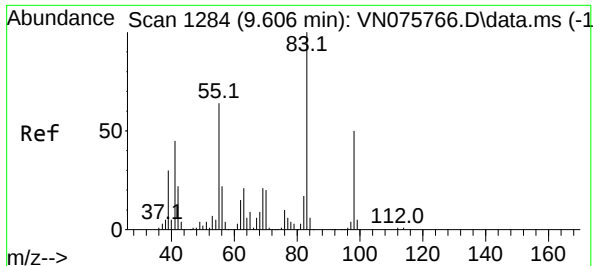
Tgt Ion:114 Resp: 566058
Ion Ratio Lower Upper
114 100
63 18.3 0.0 34.4
88 15.2 0.0 28.8



#35
Dibromofluoromethane
Concen: 47.672 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

Tgt Ion:113 Resp: 167115
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.2
192 19.7 16.1 24.1





#39

Methylcyclohexane

Concen: 0.614 ug/l

RT: 9.606 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN075857.D

Acq: 16 Dec 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

33871

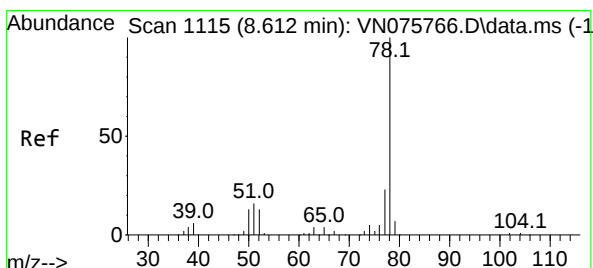
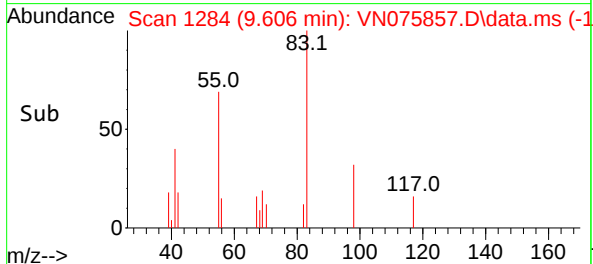
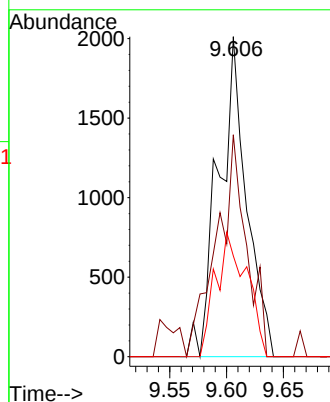
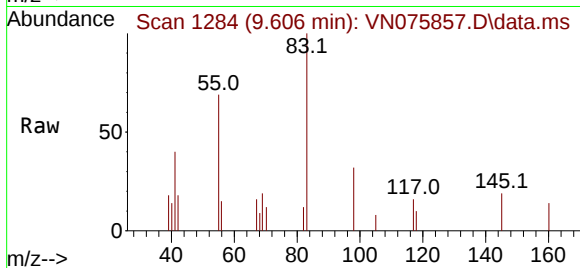
Tgt Ion: 83 Resp: 3451

Ion Ratio Lower Upper

83 100

55 69.3 51.4 77.0

98 31.5 39.8 59.8#



#40

Benzene

Concen: 5.561 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN075857.D

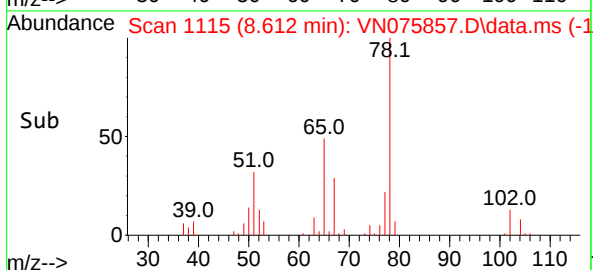
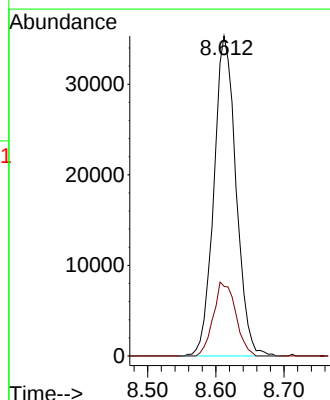
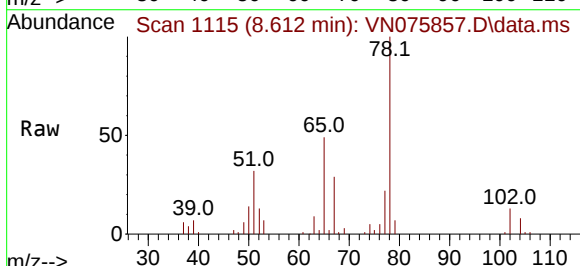
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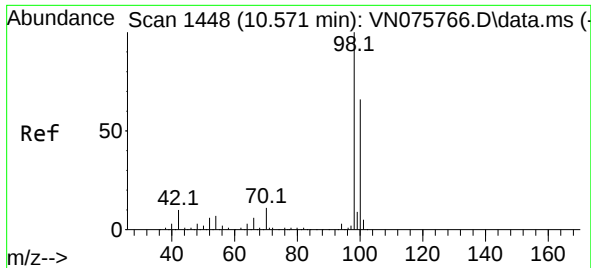
Tgt Ion: 78 Resp: 79901

Ion Ratio Lower Upper

78 100

77 21.8 18.5 27.7

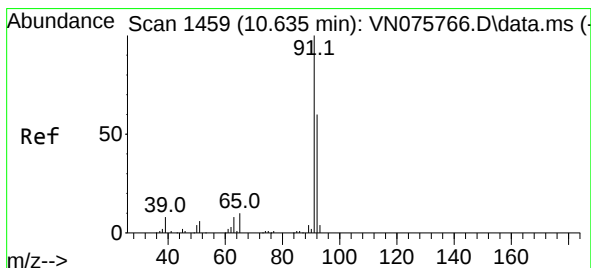
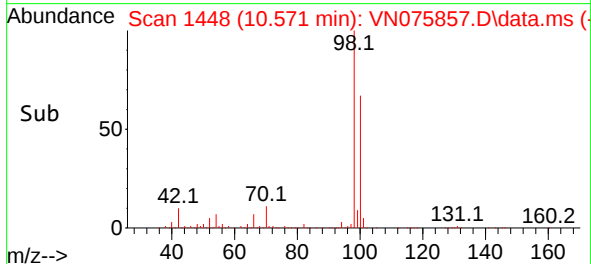
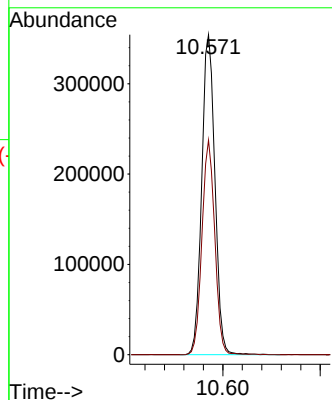
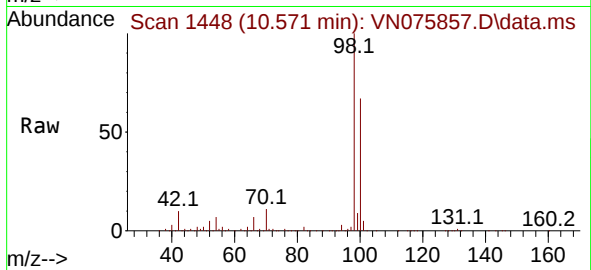




#50
Toluene-d8
Concen: 50.663 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

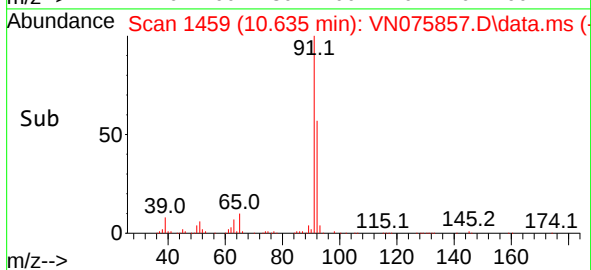
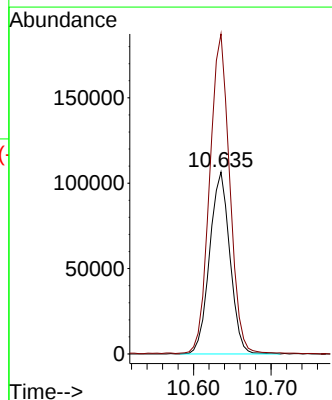
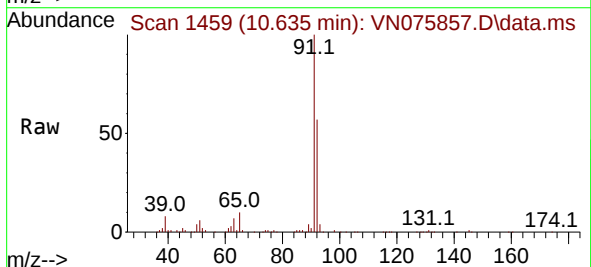
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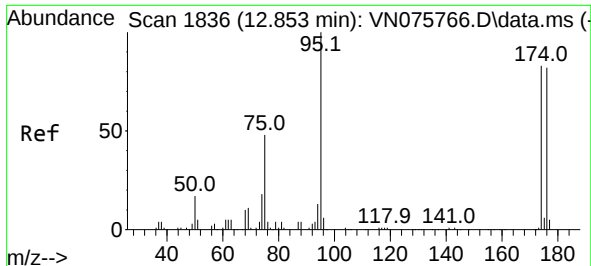
Tgt Ion: 98 Resp: 664027
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#52
Toluene
Concen: 20.662 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

Tgt Ion: 92 Resp: 193340
Ion Ratio Lower Upper
92 100
91 173.7 137.3 205.9

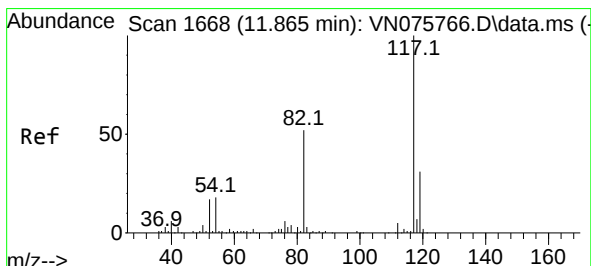
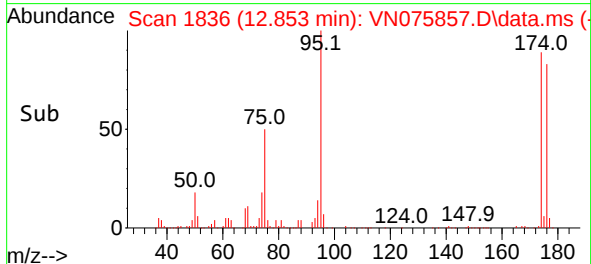
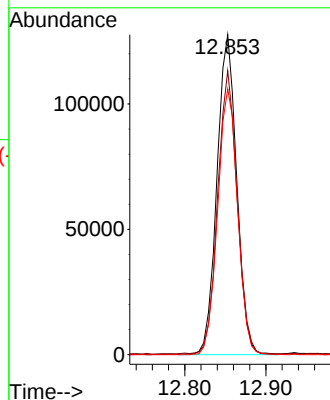
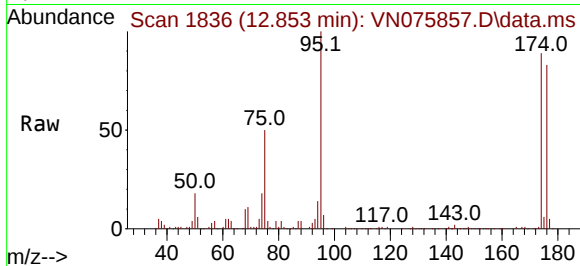




#62
4-Bromofluorobenzene
Concen: 49.700 ug/l
RT: 12.853 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

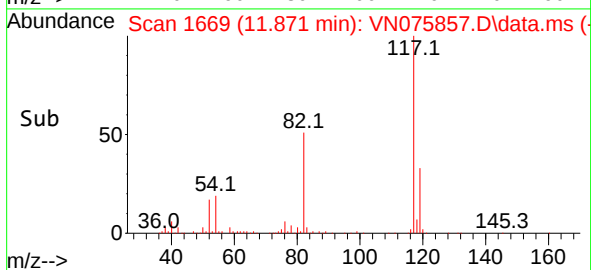
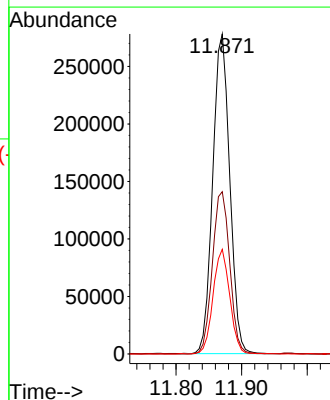
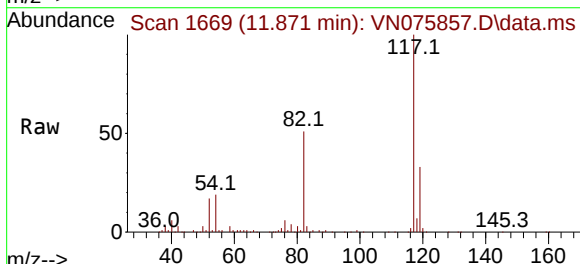
Instrument :
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33871

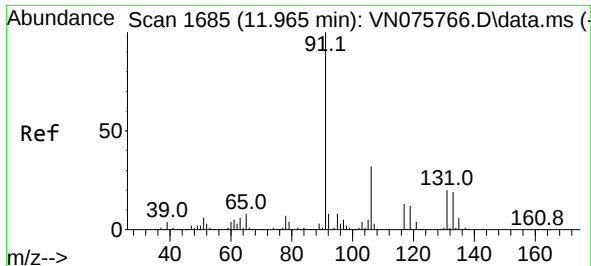
Tgt Ion: 95 Resp: 215750
Ion Ratio Lower Upper
95 100
174 87.6 0.0 171.6
176 83.8 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

Tgt Ion: 117 Resp: 500697
Ion Ratio Lower Upper
117 100
82 50.7 41.3 61.9
119 32.8 24.6 37.0





#67

Ethyl Benzene

Concen: 5.890 ug/l

RT: 11.965 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075857.D

Acq: 16 Dec 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

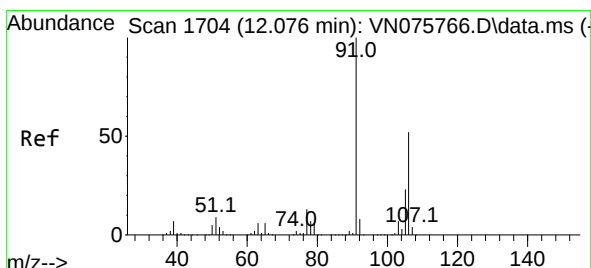
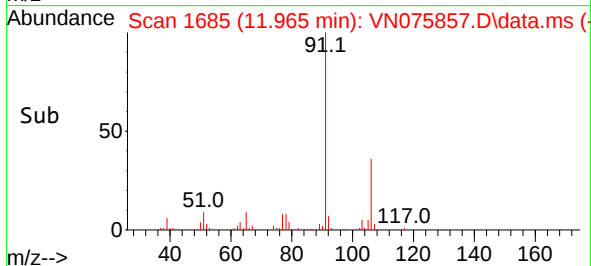
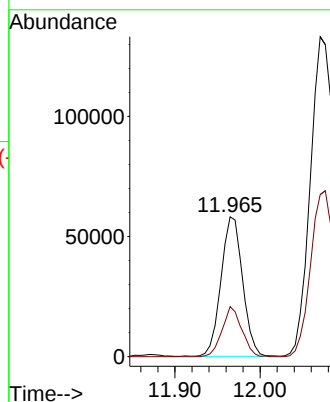
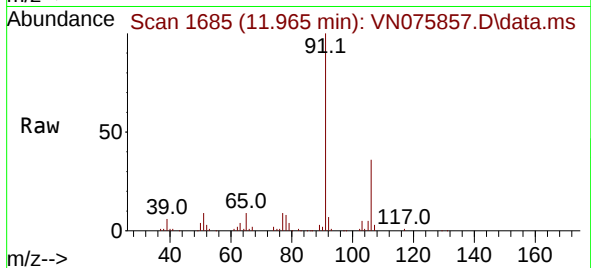
33871

Tgt Ion: 91 Resp: 102167

Ion Ratio Lower Upper

91 100

106 36.0 25.7 38.5



#68

m/p-Xylenes

Concen: 20.153 ug/l

RT: 12.076 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VN075857.D

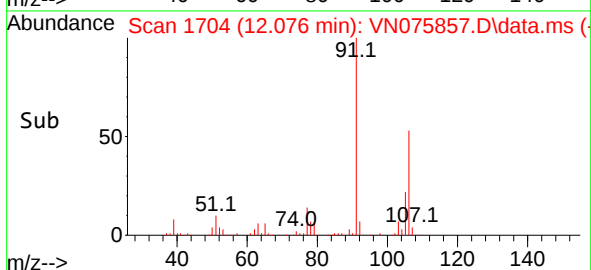
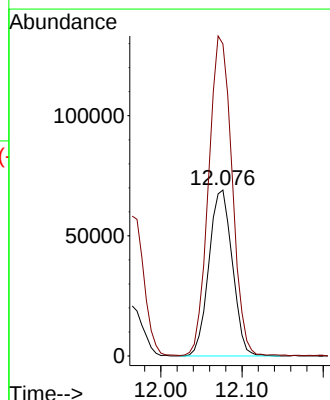
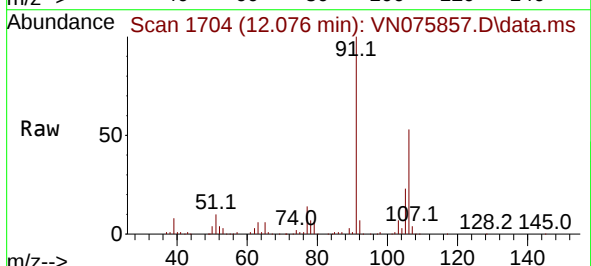
Acq: 16 Dec 2022 19:02

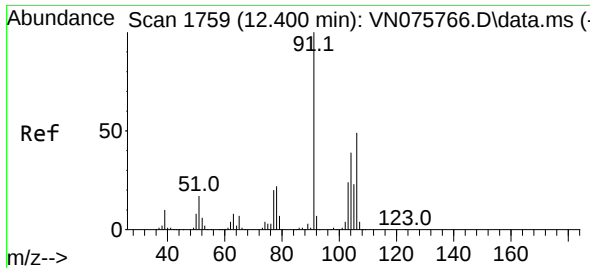
Tgt Ion: 106 Resp: 138348

Ion Ratio Lower Upper

106 100

91 192.7 156.6 235.0

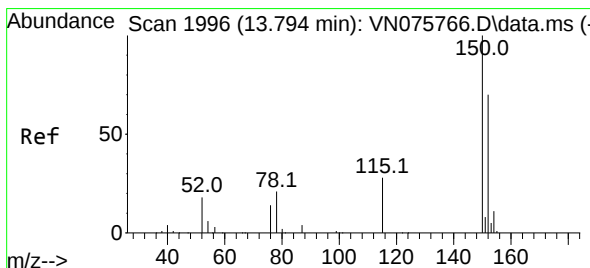
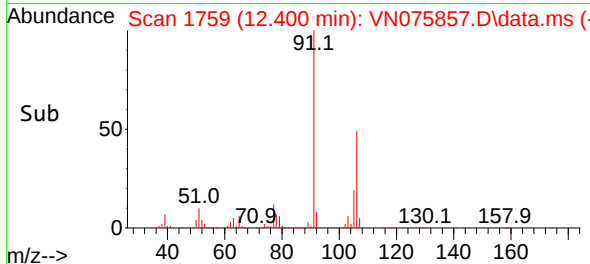
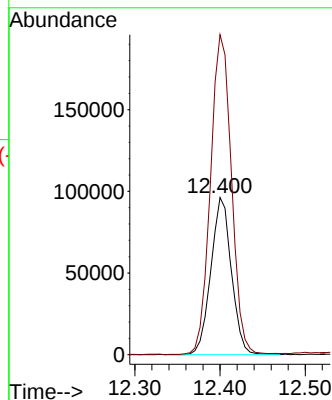
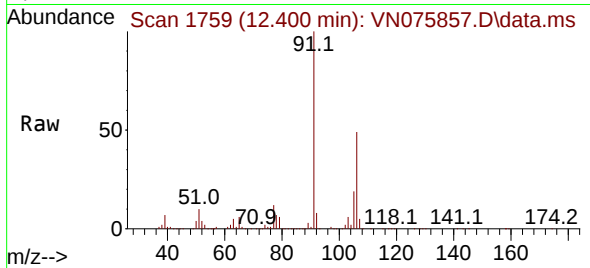




#69
o-Xylene
Concen: 23.665 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

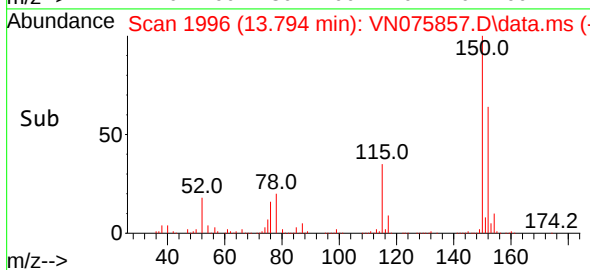
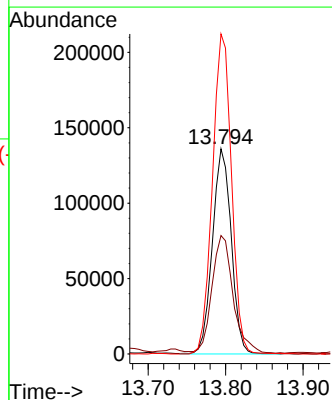
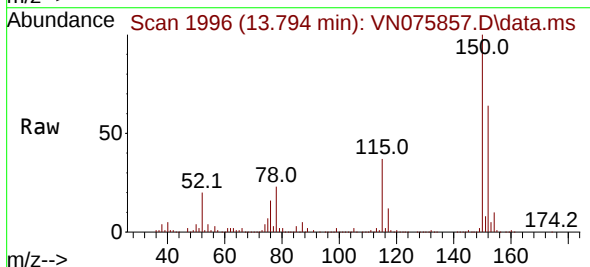
Instrument :
MSVOA_N
ClientSampleId :
33871

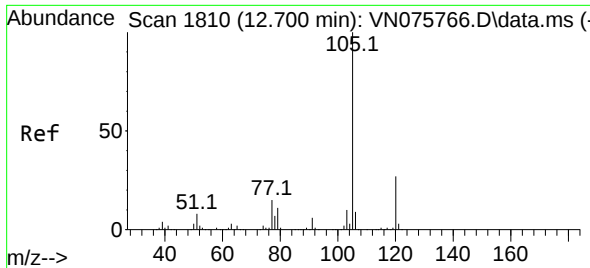
Tgt Ion:106 Resp: 160767
Ion Ratio Lower Upper
106 100
91 209.3 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

Tgt Ion:152 Resp: 229746
Ion Ratio Lower Upper
152 100
115 64.4 29.1 87.4
150 157.4 0.0 347.0

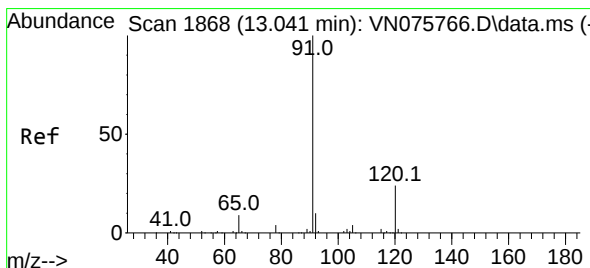
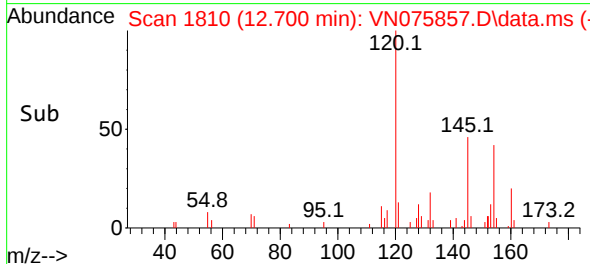
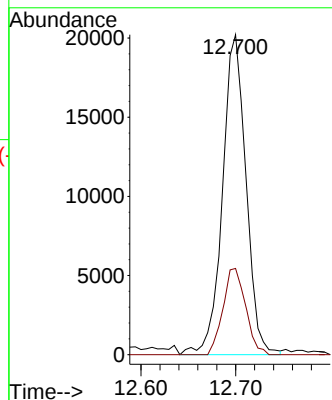
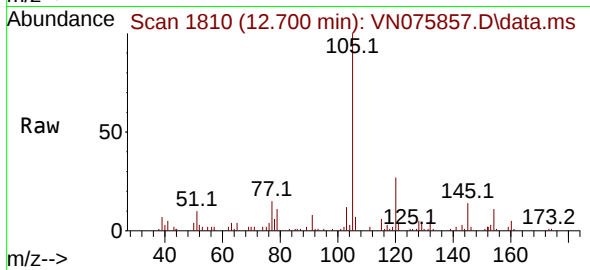




#73
Isopropylbenzene
Concen: 2.104 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

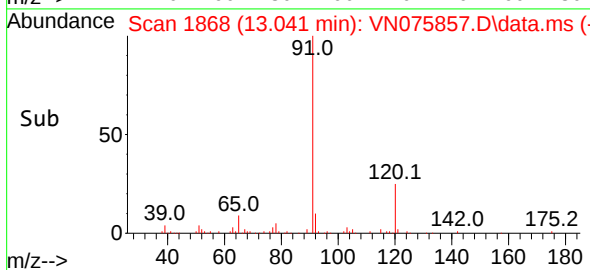
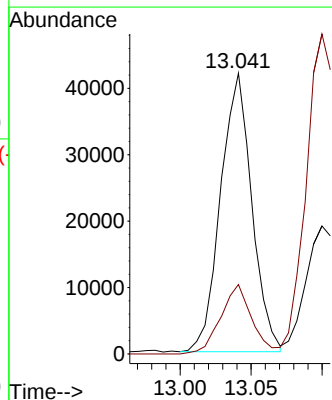
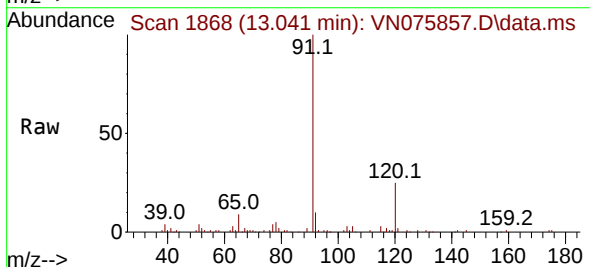
Instrument :
MSVOA_N
ClientSampleId :
33871

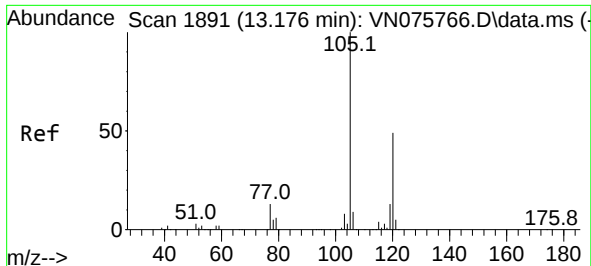
Tgt Ion:105 Resp: 34934
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.2



#78
n-propylbenzene
Concen: 3.500 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

Tgt Ion: 91 Resp: 64084
Ion Ratio Lower Upper
91 100
120 24.5 12.0 36.1

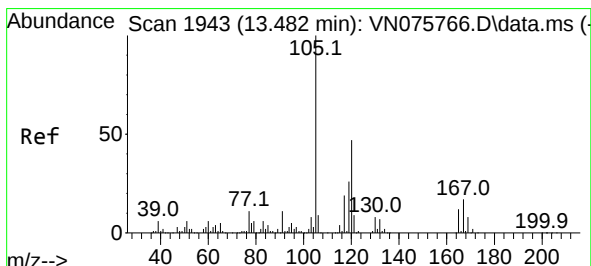
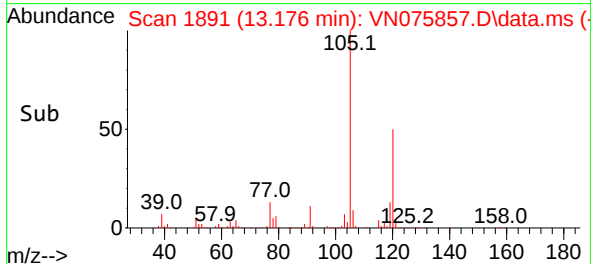
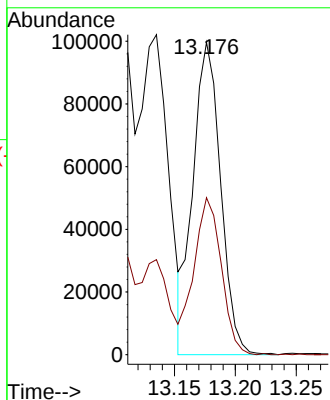
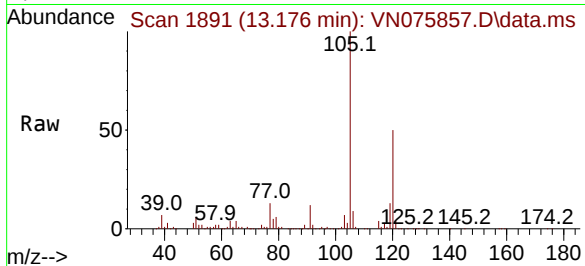




#80
 1,3,5-Trimethylbenzene
 Concen: 11.322 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. -0.000 min
 Lab File: VN075857.D
 Acq: 16 Dec 2022 19:02

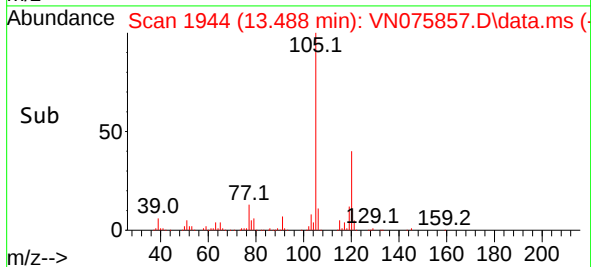
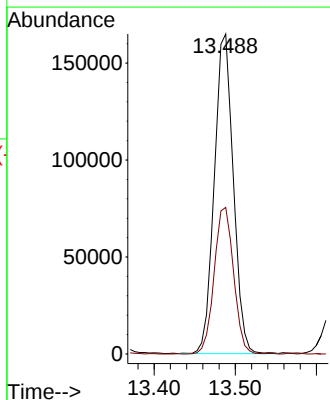
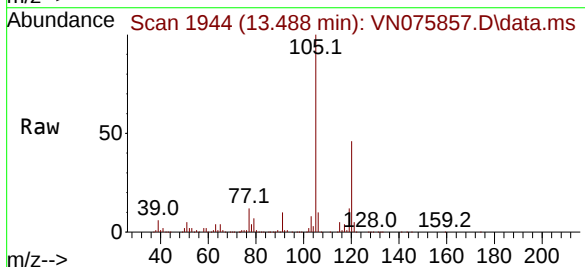
Instrument :
 MSVOA_N
 ClientSampleId :
 33871

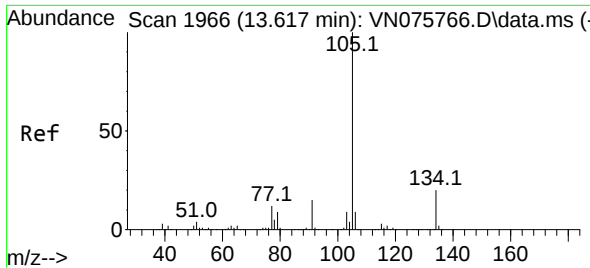
Tgt Ion:105 Resp: 157322
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.7 74.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.455 ug/l
 RT: 13.488 min Scan# 1944
 Delta R.T. 0.006 min
 Lab File: VN075857.D
 Acq: 16 Dec 2022 19:02

Tgt Ion:105 Resp: 268186
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.8

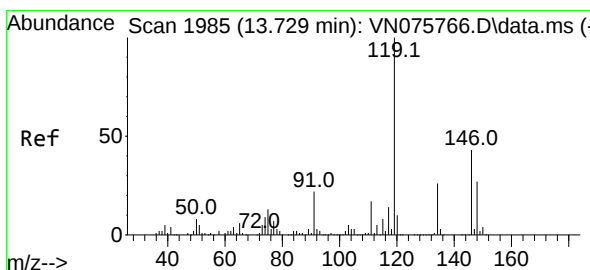
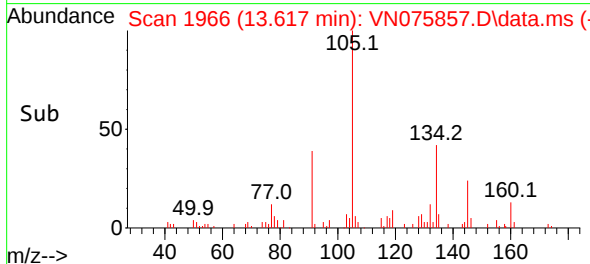
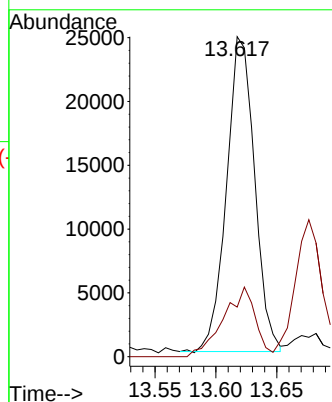
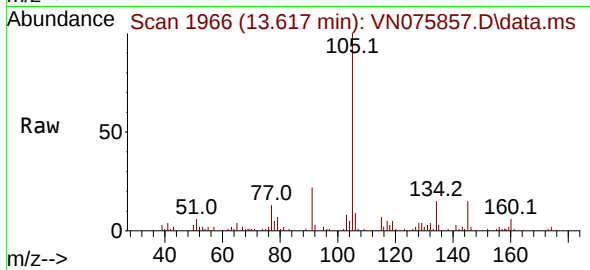




#85
 sec-Butylbenzene
 Concen: 2.338 ug/l
 RT: 13.617 min Scan# 1966
 Delta R.T. -0.000 min
 Lab File: VN075857.D
 Acq: 16 Dec 2022 19:02

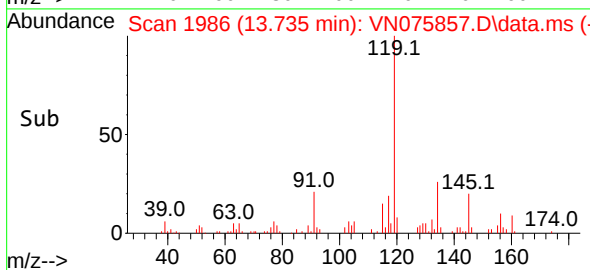
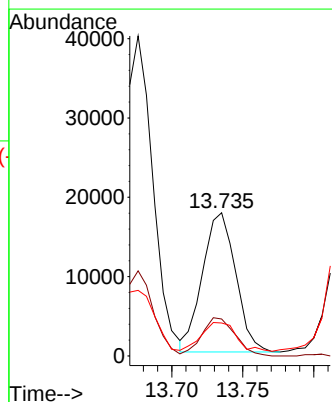
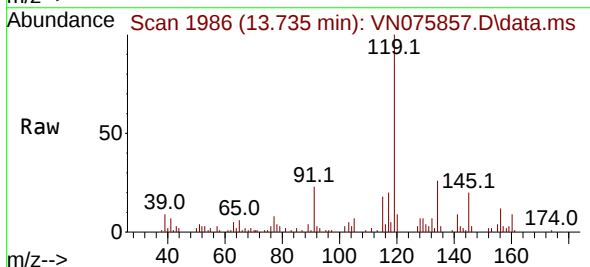
Instrument :
 MSVOA_N
 ClientSampleId :
 33871

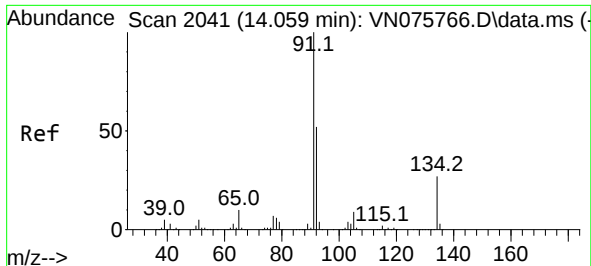
Tgt Ion:105 Resp: 39537
 Ion Ratio Lower Upper
 105 100
 134 25.2 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 2.037 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN075857.D
 Acq: 16 Dec 2022 19:02

Tgt Ion:119 Resp: 28667
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.0 39.0
 91 21.3 11.2 33.6

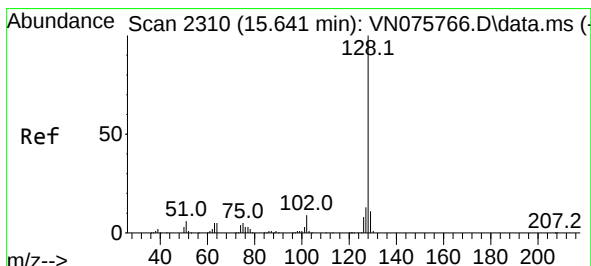
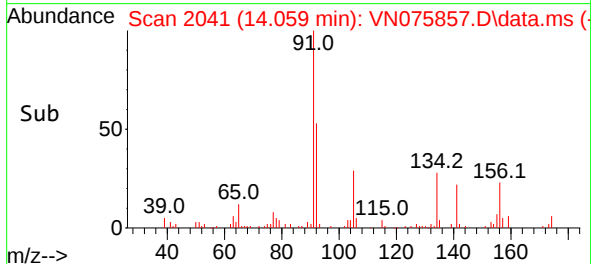
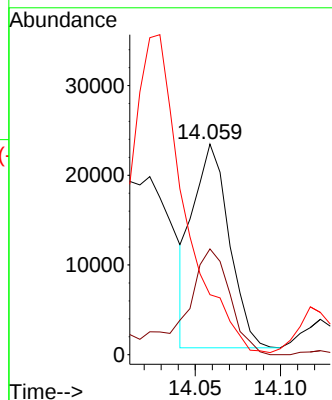
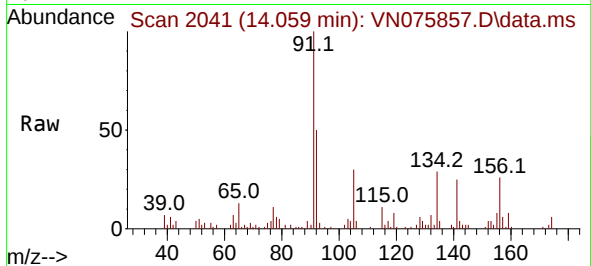




#89
n-Butylbenzene
Concen: 2.938 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

Instrument :
MSVOA_N
ClientSampleId :
33871

Tgt Ion: 91 Resp: 33491
Ion Ratio Lower Upper
91 100
92 63.0 26.4 79.2
134 0.0 13.4 40.2#



#95
Naphthalene
Concen: 8.272 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075857.D
Acq: 16 Dec 2022 19:02

Tgt Ion:128 Resp: 79667
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 9.0 8.7 13.1

