

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075856.D
 Acq On : 16 Dec 2022 18:38
 Operator : JC\MD
 Sample : N6096-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33864

Quant Time: Dec 17 08:43:10 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)

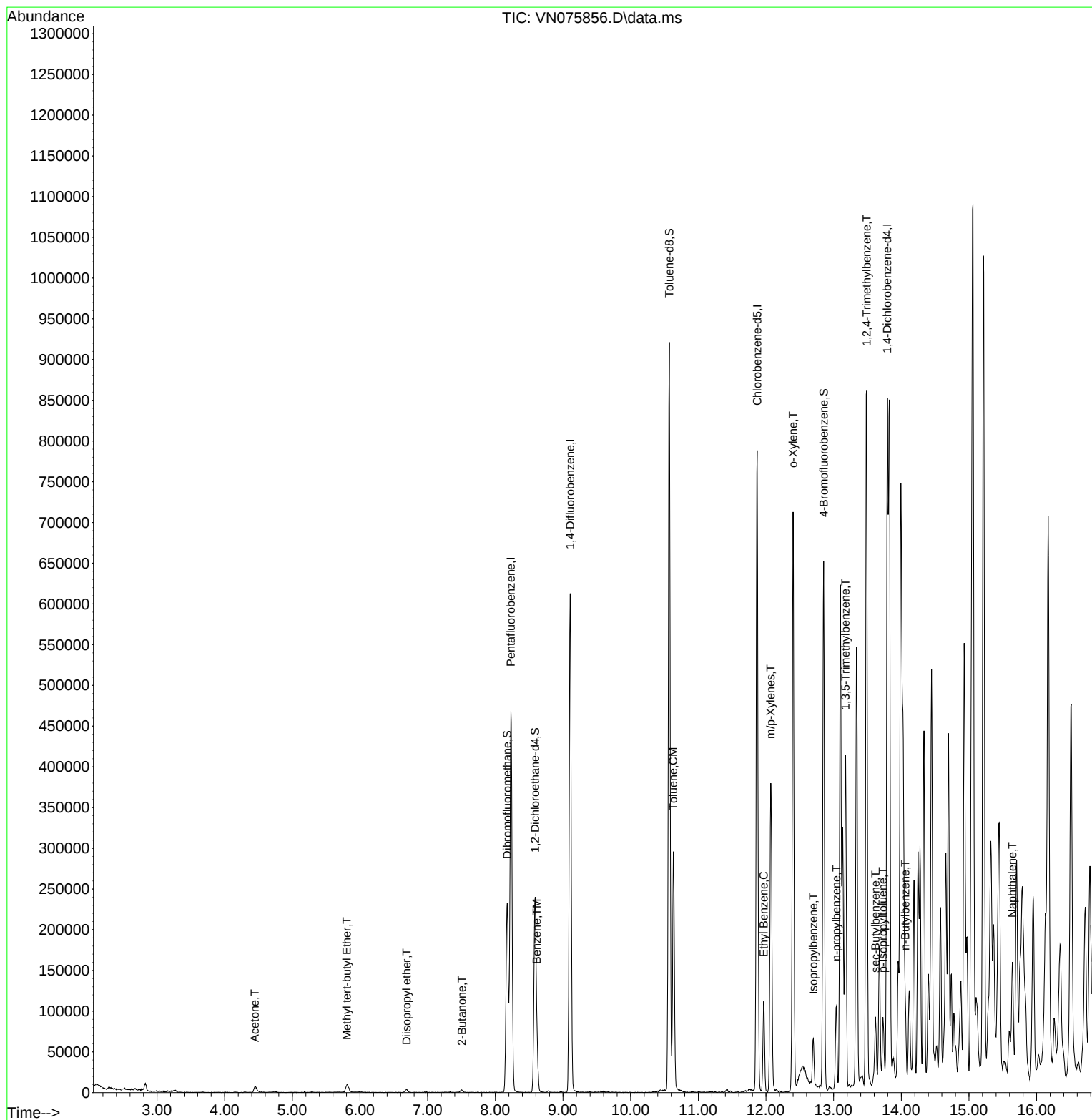
Internal Standards						
1) Pentafluorobenzene	8.230	168	361123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	565735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	488721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	185758	47.283	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.560%		
35) Dibromofluoromethane	8.177	113	166438	47.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.020%		
50) Toluene-d8	10.571	98	654786	49.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.980%		
62) 4-Bromofluorobenzene	12.853	95	214593	49.461	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.920%		
Target Compounds						
					Qvalue	
16) Acetone	4.448	43	15447	11.406	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	15907	1.509	ug/l	98
22) Diisopropyl ether	6.689	45	4248	0.467	ug/l	92
25) 2-Butanone	7.506	43	5727	3.020	ug/l	90
40) Benzene	8.612	78	55845	3.889	ug/l	98
52) Toluene	10.630	92	136909	14.640	ug/l	100
67) Ethyl Benzene	11.965	91	82337	4.863	ug/l	96
68) m/p-Xylenes	12.071	106	131653	19.648	ug/l	100
69) o-Xylene	12.400	106	205044	30.922	ug/l	97
73) Isopropylbenzene	12.700	105	40846	2.506	ug/l	95
78) n-propylbenzene	13.041	91	83625	4.652	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	218886	16.046	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	520468	38.461	ug/l	100
85) sec-Butylbenzene	13.618	105	52116	3.140	ug/l	91
86) p-Isopropyltoluene	13.729	119	39895	2.888	ug/l	96
89) n-Butylbenzene	14.059	91	43247	3.865	ug/l #	80
95) Naphthalene	15.641	128	124957	11.914	ug/l #	97

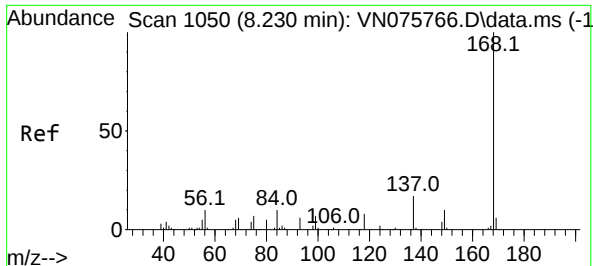
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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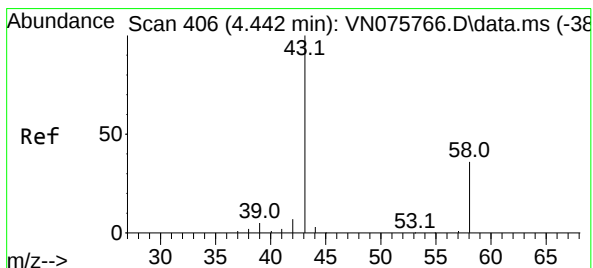
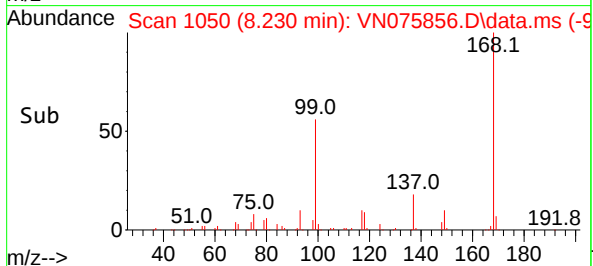
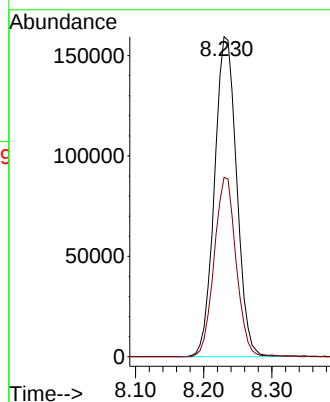
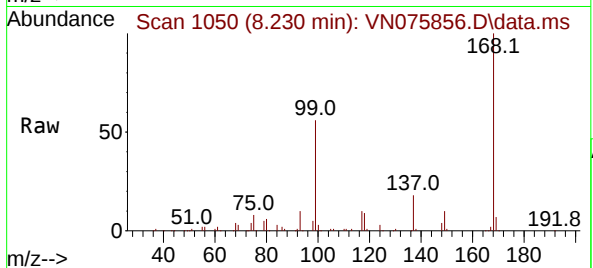




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

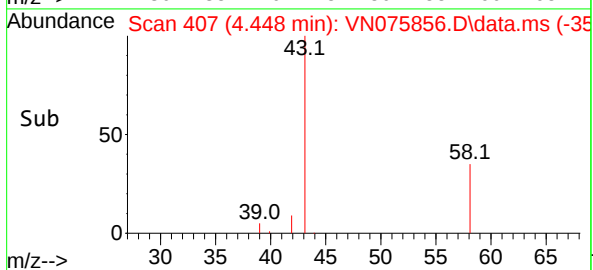
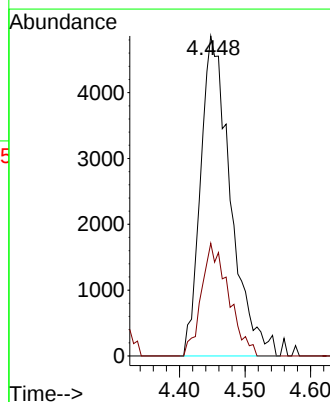
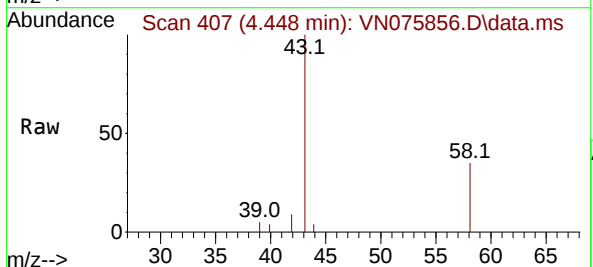
Instrument :
MSVOA_N
ClientSampleId :
33864

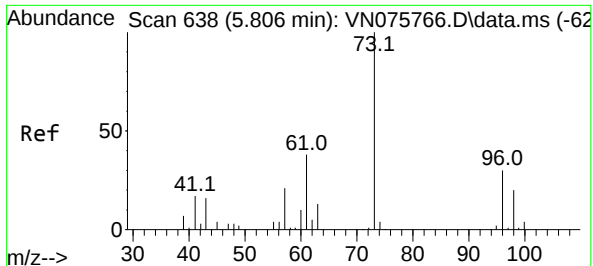
Tgt Ion:168 Resp: 361123
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#16
Acetone
Concen: 11.406 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

Tgt Ion: 43 Resp: 15447
Ion Ratio Lower Upper
43 100
58 35.2 28.6 43.0

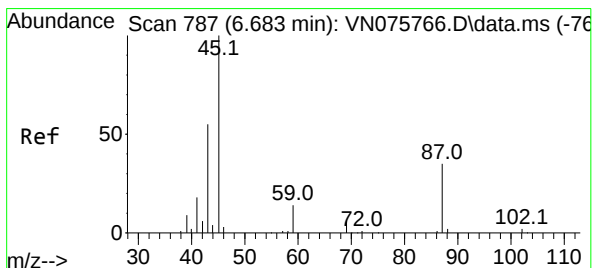
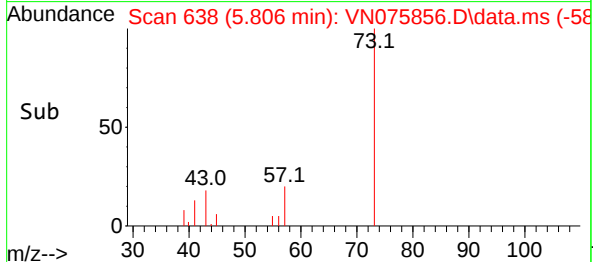
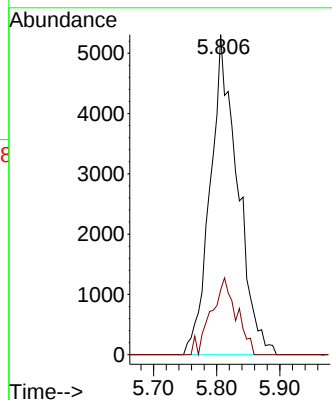
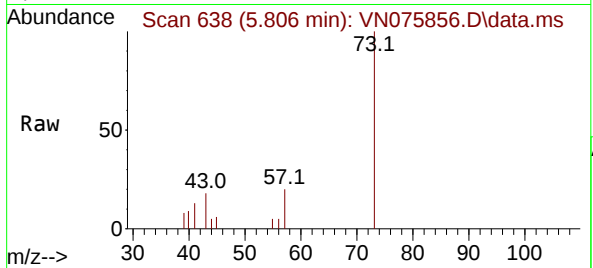




#19
Methyl tert-butyl Ether
Concen: 1.509 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

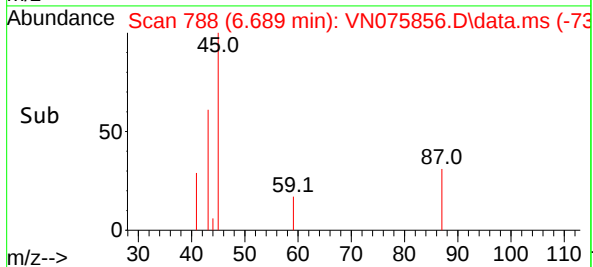
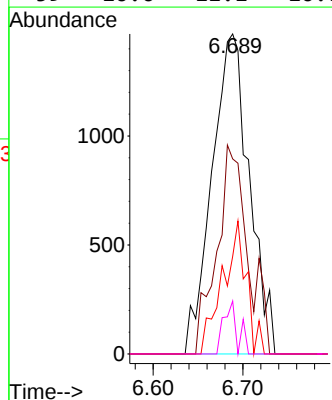
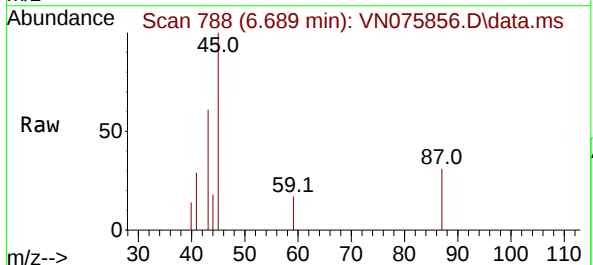
Instrument :
MSVOA_N
ClientSampleId :
33864

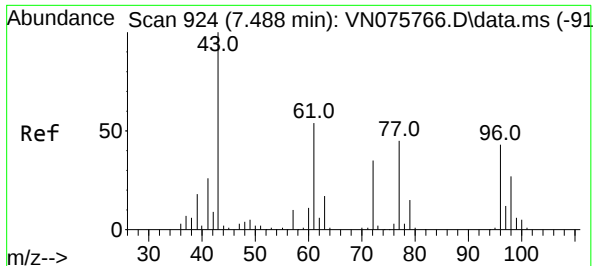
Tgt Ion: 73 Resp: 15907
Ion Ratio Lower Upper
73 100
57 20.3 17.1 25.7



#22
Diisopropyl ether
Concen: 0.467 ug/l
RT: 6.689 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

Tgt Ion: 45 Resp: 4248
Ion Ratio Lower Upper
45 100
43 61.0 44.2 66.4
87 30.5 28.3 42.5
59 16.6 11.1 16.7





#25

2-Butanone

Concen: 3.020 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075856.D

Acq: 16 Dec 2022 18:38

Instrument :

MSVOA_N

ClientSampleId :

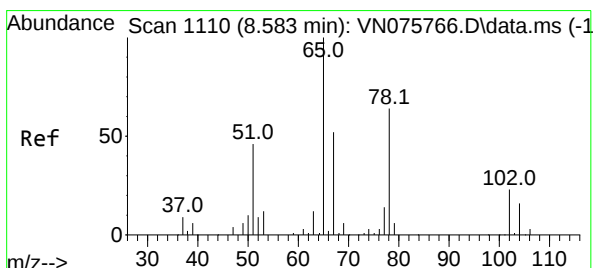
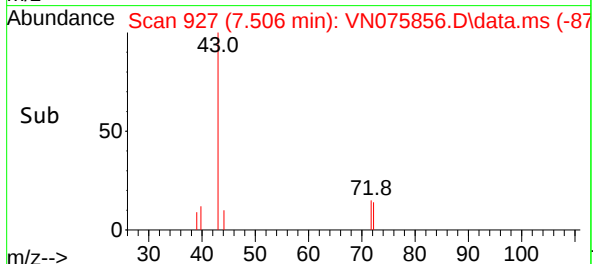
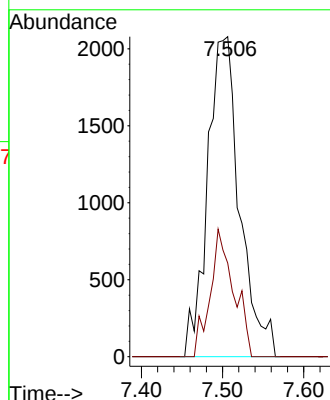
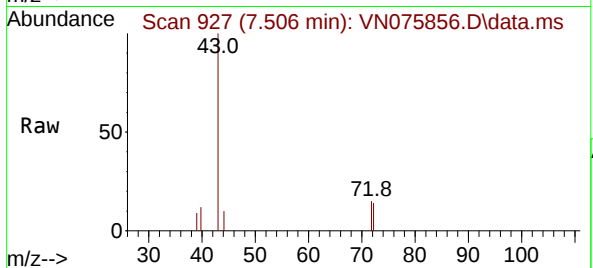
33864

Tgt Ion: 43 Resp: 5727

Ion Ratio Lower Upper

43 100

72 29.2 28.0 42.0



#33

1,2-Dichloroethane-d4

Concen: 47.283 ug/l

RT: 8.589 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075856.D

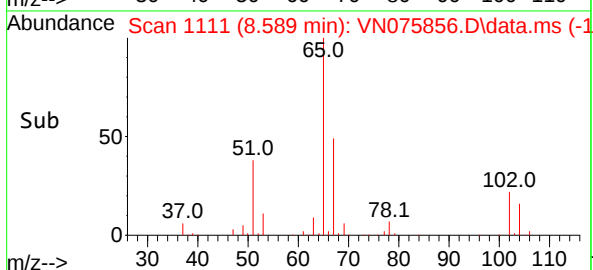
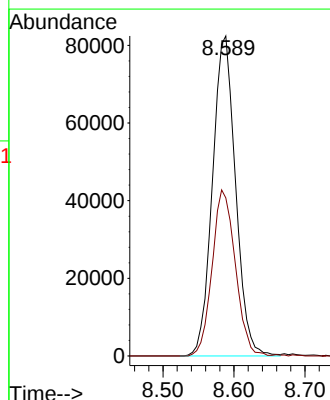
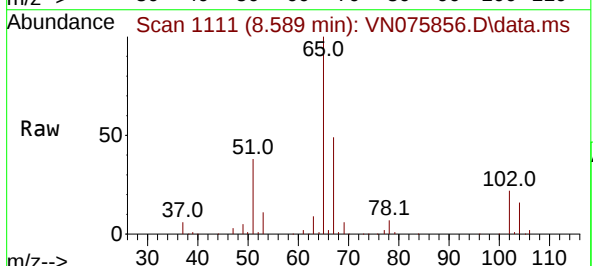
Acq: 16 Dec 2022 18:38

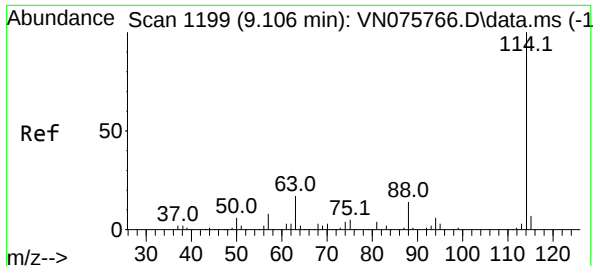
Tgt Ion: 65 Resp: 185758

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: VN075856.D

Acq: 16 Dec 2022 18:38

Instrument :

MSVOA_N

ClientSampleId :

33864

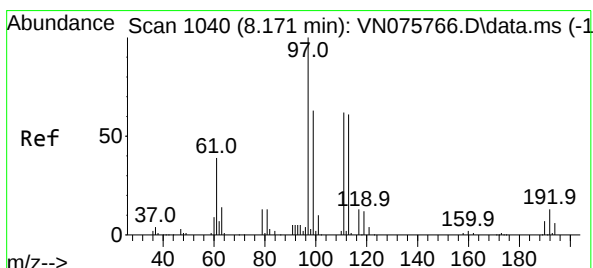
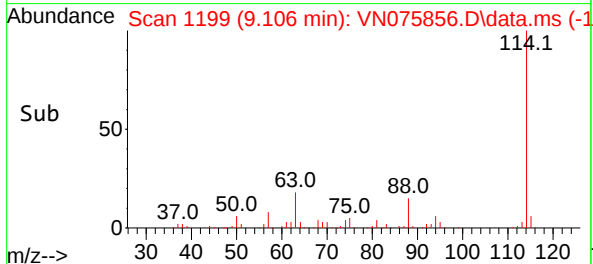
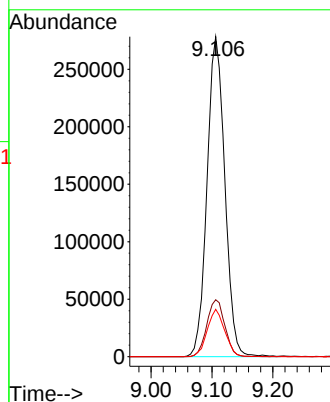
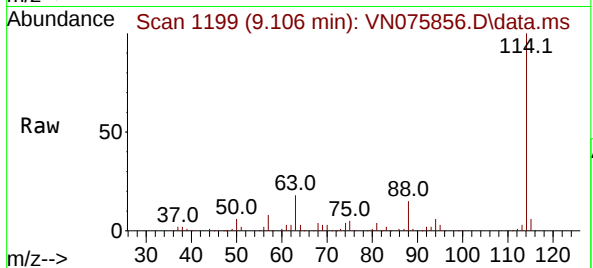
Tgt Ion:114 Resp: 565735

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.506 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075856.D

Acq: 16 Dec 2022 18:38

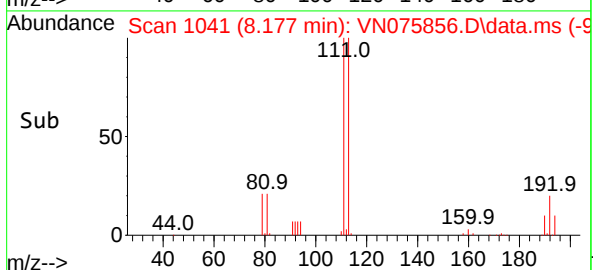
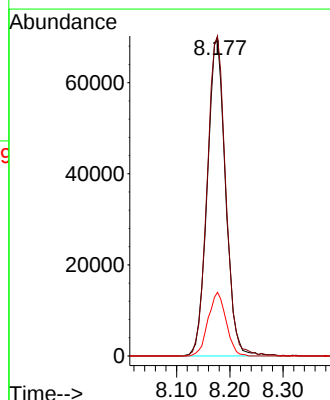
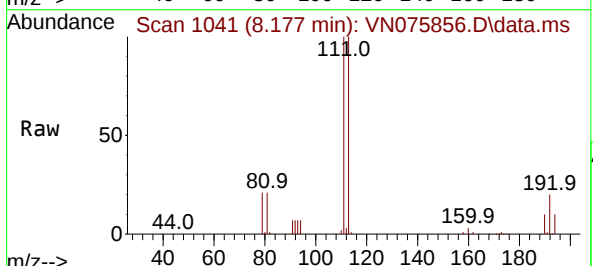
Tgt Ion:113 Resp: 166438

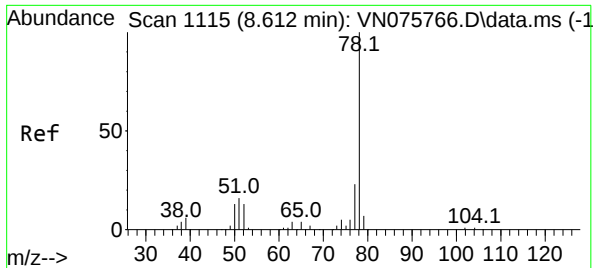
Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

192 19.7 16.1 24.1

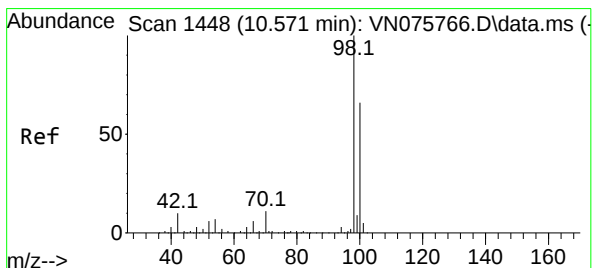
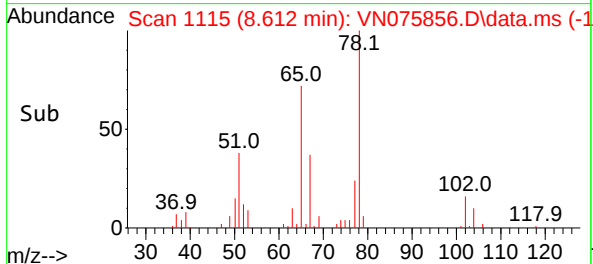
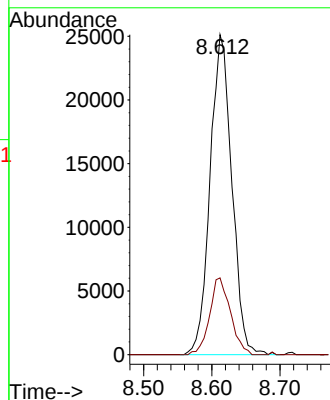
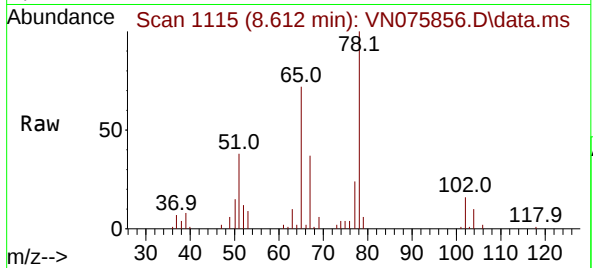




#40
Benzene
Concen: 3.889 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

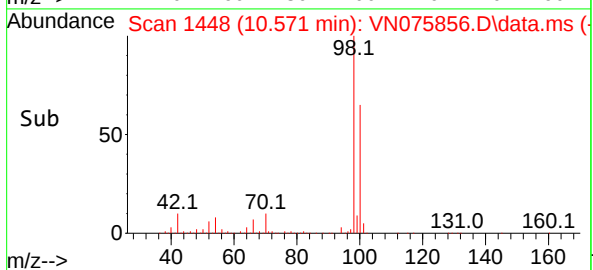
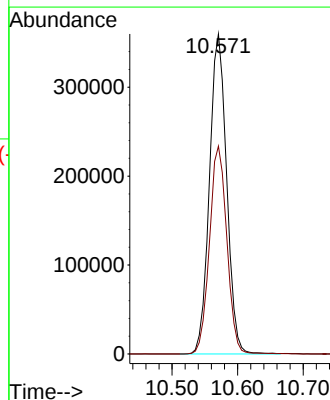
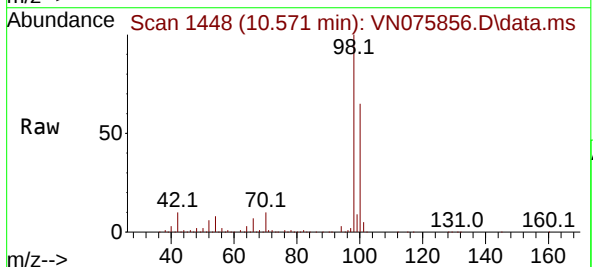
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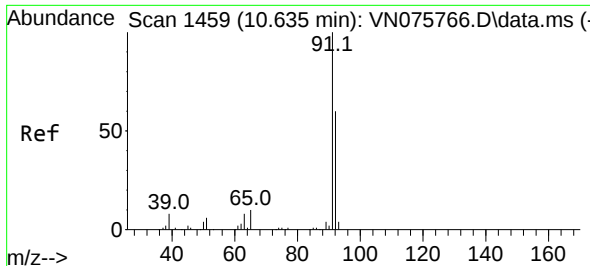
Tgt Ion: 78 Resp: 55845
Ion Ratio Lower Upper
78 100
77 24.0 18.5 27.7



#50
Toluene-d8
Concen: 49.987 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

Tgt Ion: 98 Resp: 654786
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1

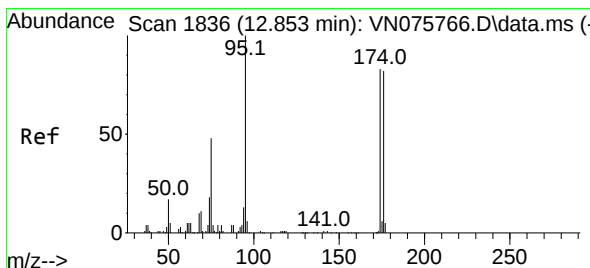
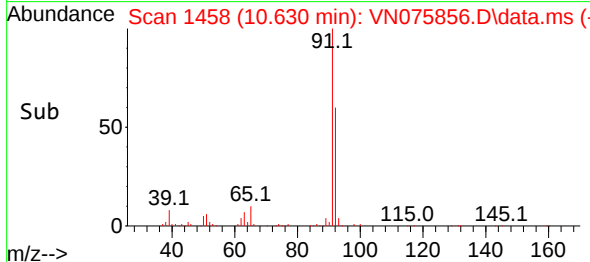
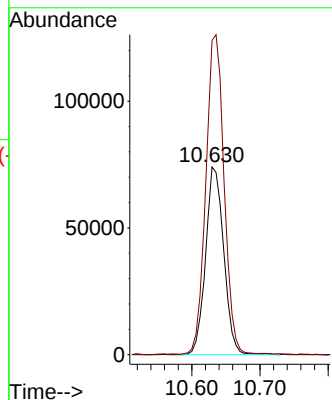
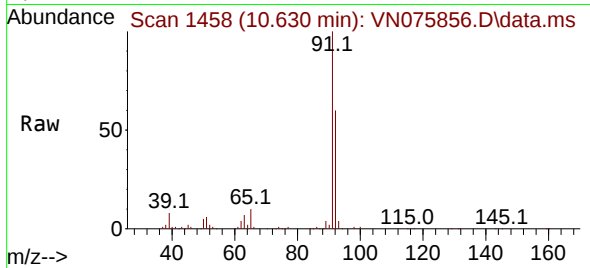




#52
Toluene
Concen: 14.640 ug/l
RT: 10.630 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

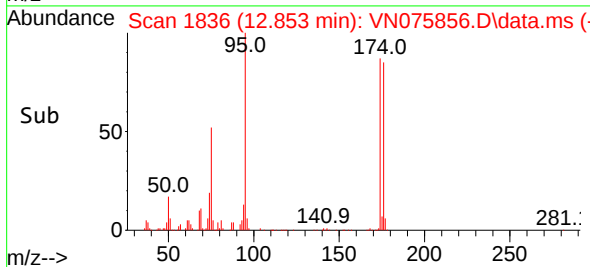
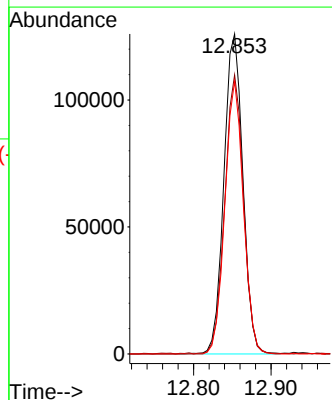
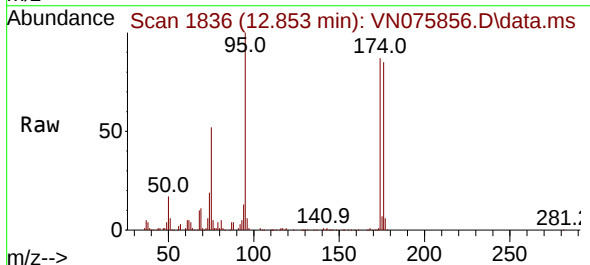
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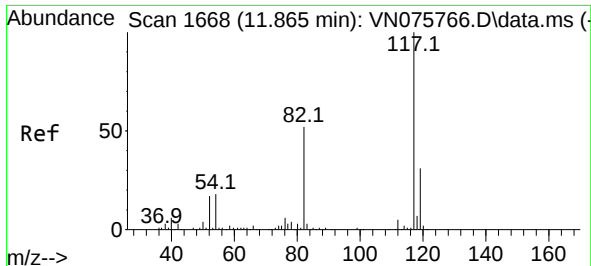
Tgt Ion: 92 Resp: 136909
Ion Ratio Lower Upper
92 100
91 171.3 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 49.461 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

Tgt Ion: 95 Resp: 214593
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 83.1 0.0 169.2

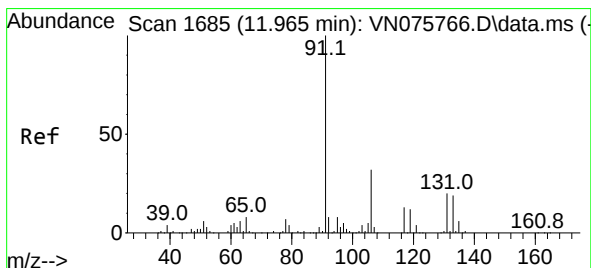
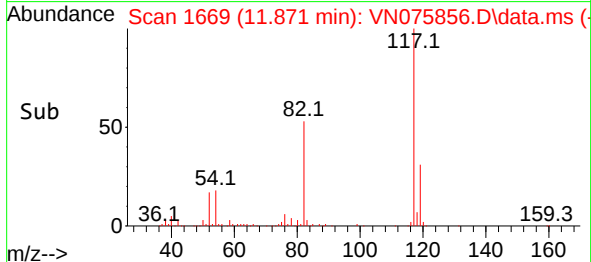
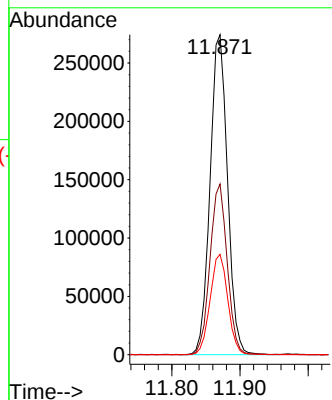
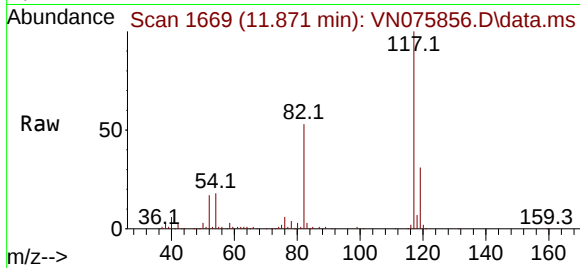




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

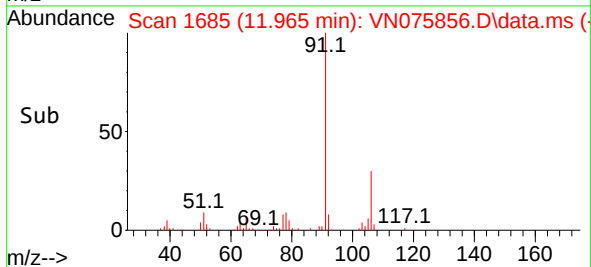
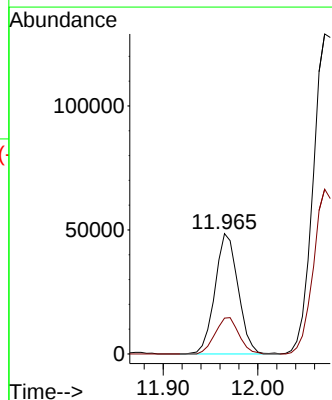
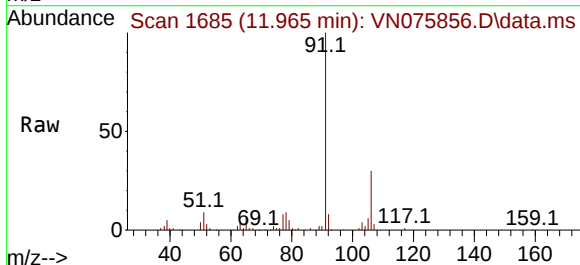
Instrument :
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ClientSampleId :
33864

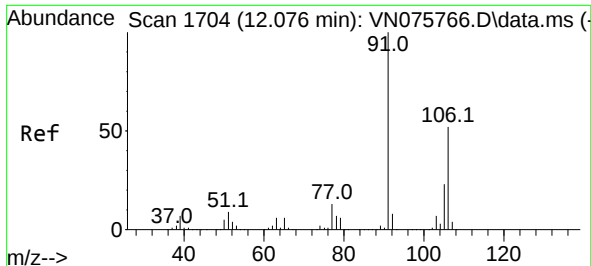
Tgt Ion:117 Resp: 488721
Ion Ratio Lower Upper
117 100
82 53.4 41.3 61.9
119 31.4 24.6 37.0



#67
Ethyl Benzene
Concen: 4.863 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

Tgt Ion: 91 Resp: 82337
Ion Ratio Lower Upper
91 100
106 29.8 25.7 38.5

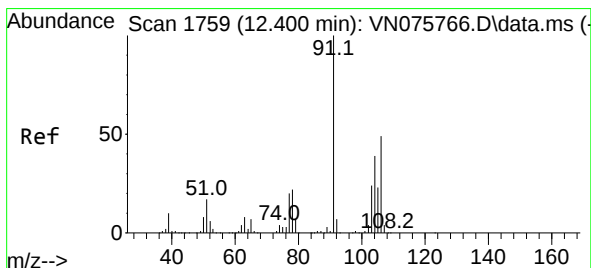
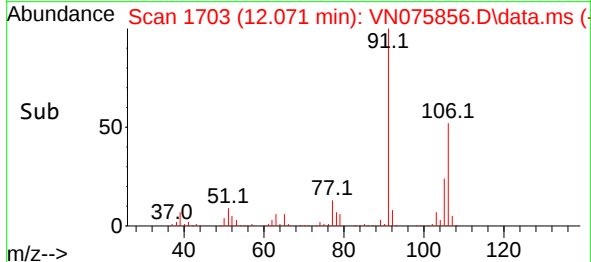
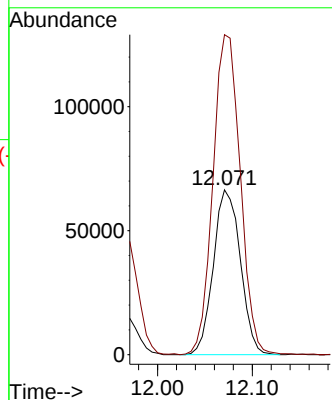
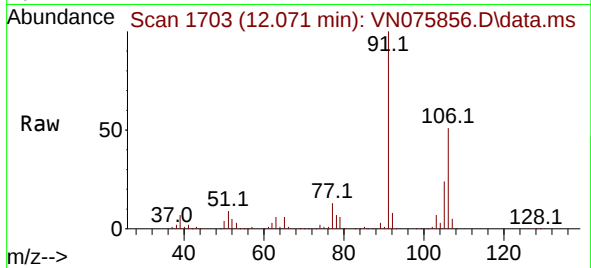




#68
m/p-Xylenes
Concen: 19.648 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

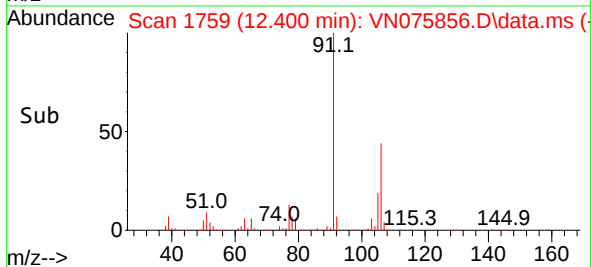
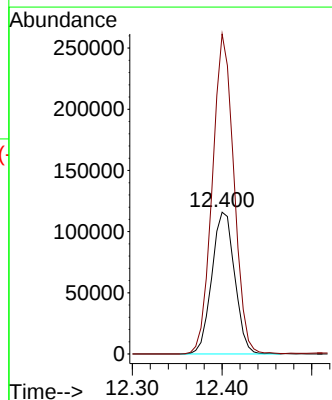
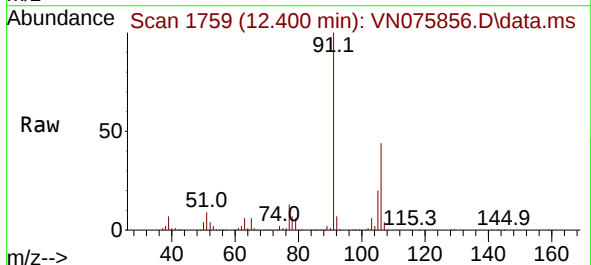
Instrument :
MSVOA_N
ClientSampleId :
33864

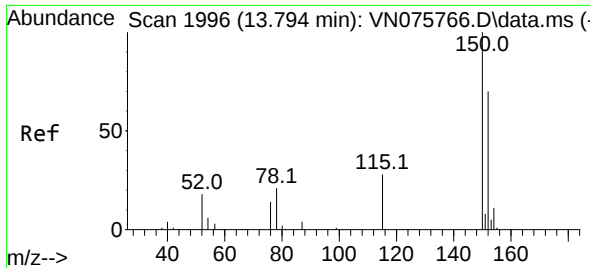
Tgt Ion:106 Resp: 131653
Ion Ratio Lower Upper
106 100
91 196.4 156.6 235.0



#69
o-Xylene
Concen: 30.922 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

Tgt Ion:106 Resp: 205044
Ion Ratio Lower Upper
106 100
91 212.8 103.8 311.6

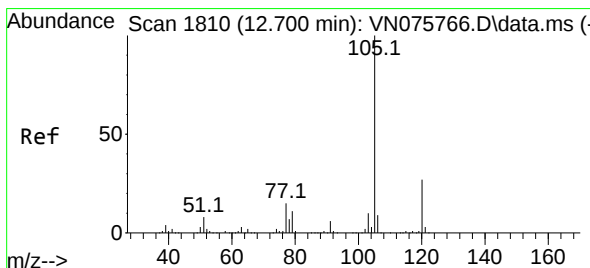
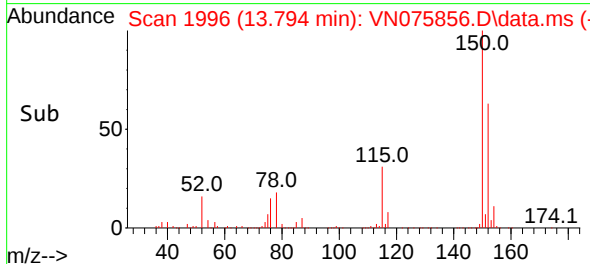
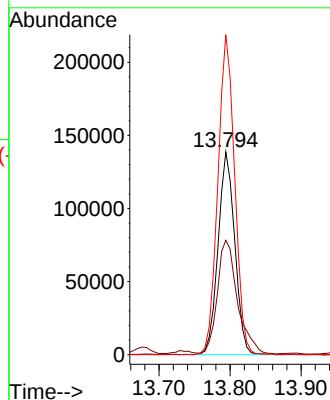
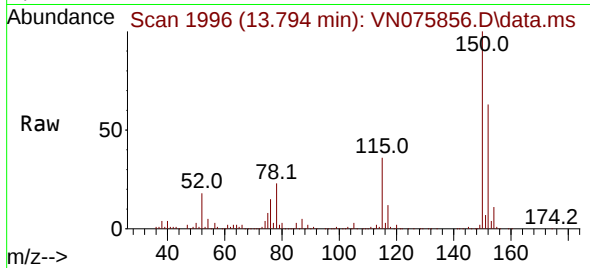




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

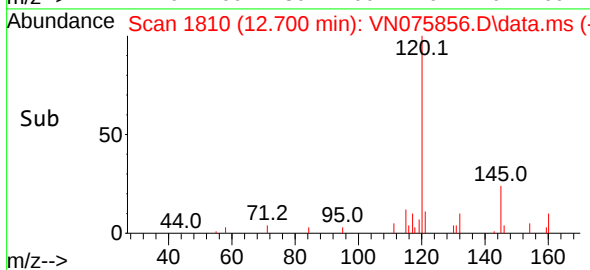
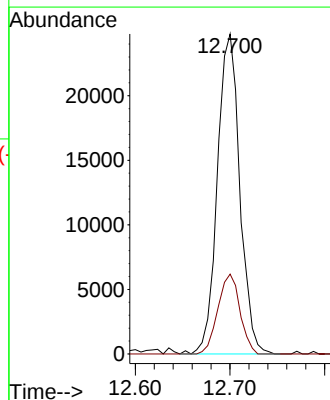
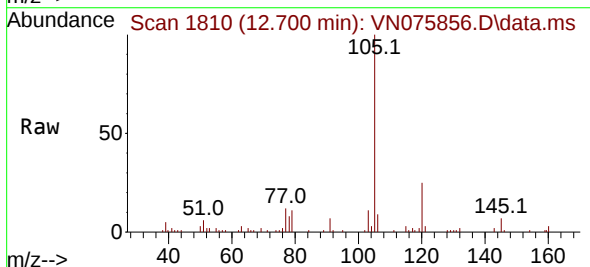
Instrument :
MSVOA_N
ClientSampleId :
33864

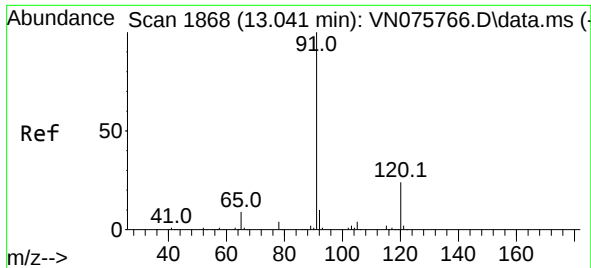
Tgt Ion:152 Resp: 225540
Ion Ratio Lower Upper
152 100
115 67.7 29.1 87.4
150 159.2 0.0 347.0



#73
Isopropylbenzene
Concen: 2.506 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

Tgt Ion:105 Resp: 40846
Ion Ratio Lower Upper
105 100
120 24.5 13.4 40.2

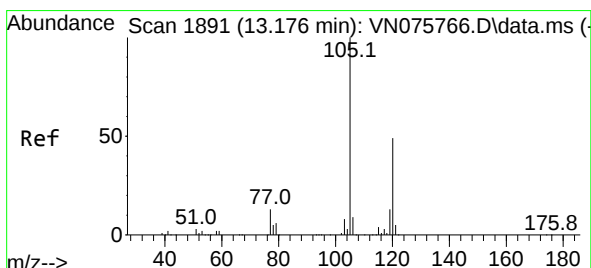
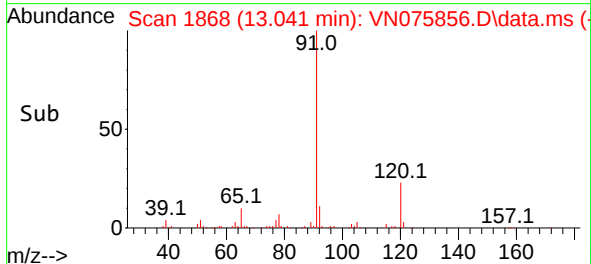
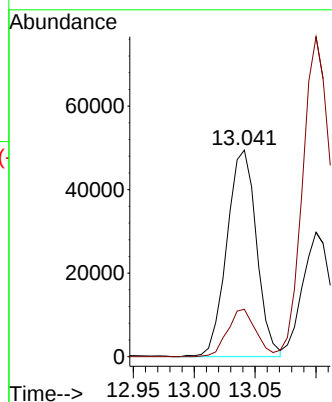
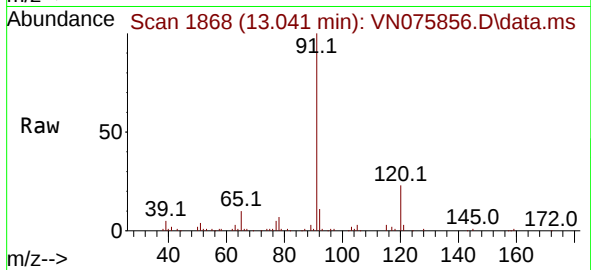




#78
n-propylbenzene
Concen: 4.652 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

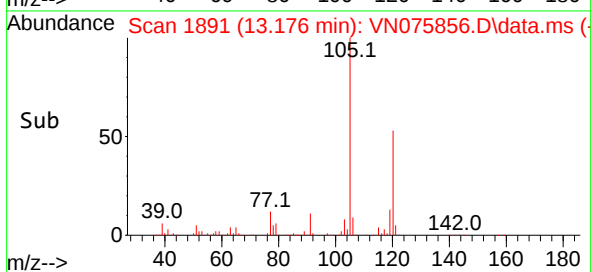
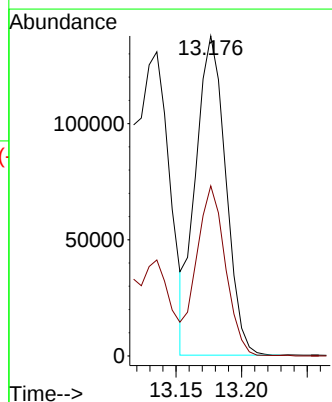
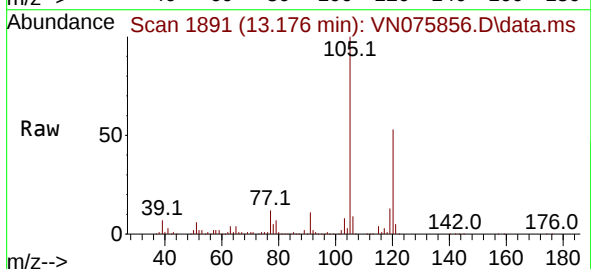
Instrument :
MSVOA_N
ClientSampleId :
33864

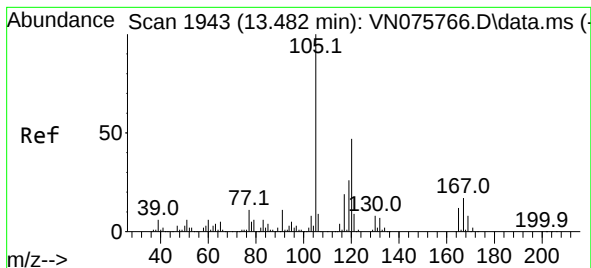
Tgt Ion: 91 Resp: 83625
Ion Ratio Lower Upper
91 100
120 21.9 12.0 36.1



#80
1,3,5-Trimethylbenzene
Concen: 16.046 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

Tgt Ion: 105 Resp: 218886
Ion Ratio Lower Upper
105 100
120 51.4 24.7 74.1





#84

1,2,4-Trimethylbenzene

Concen: 38.461 ug/l

RT: 13.488 min Scan# 1943

Delta R.T. 0.006 min

Lab File: VN075856.D

Acq: 16 Dec 2022 18:38

Instrument :

MSVOA_N

ClientSampleId :

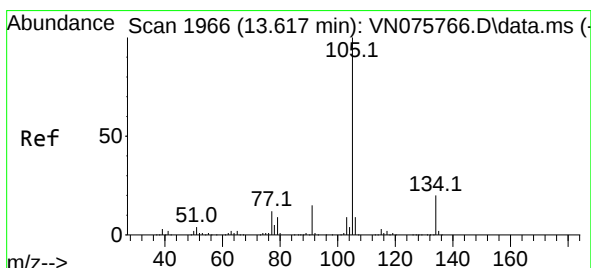
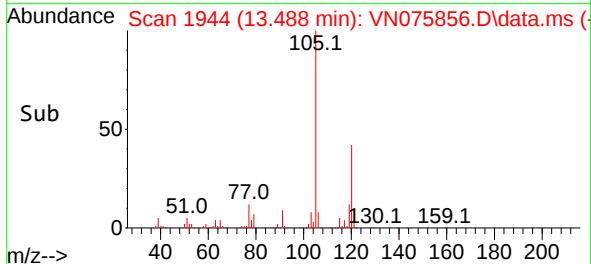
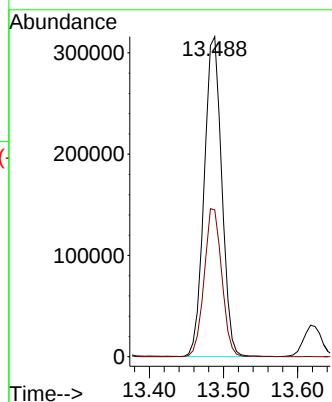
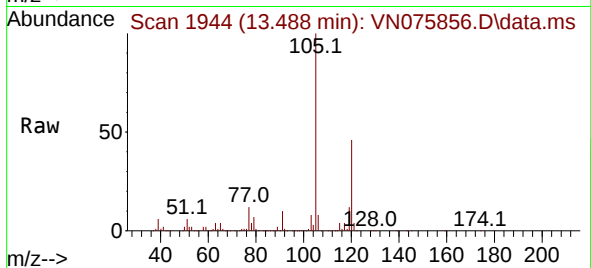
33864

Tgt Ion:105 Resp: 520468

Ion Ratio Lower Upper

105 100

120 46.4 23.3 69.8



#85

sec-Butylbenzene

Concen: 3.140 ug/l

RT: 13.618 min Scan# 1966

Delta R.T. 0.000 min

Lab File: VN075856.D

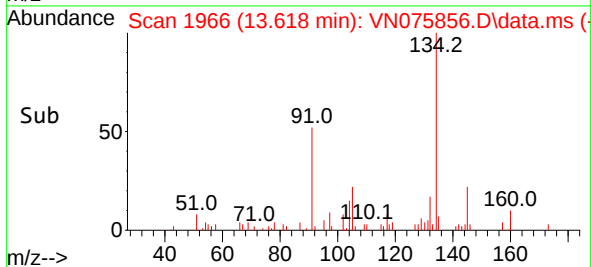
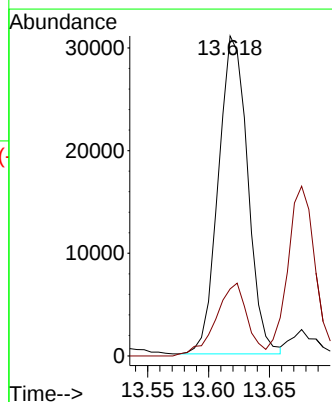
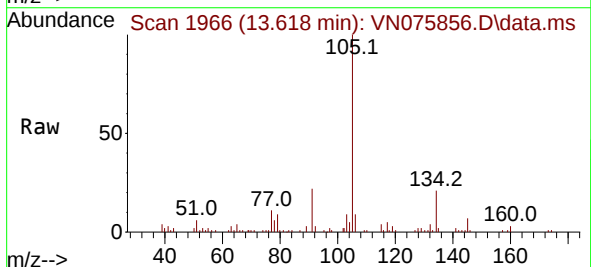
Acq: 16 Dec 2022 18:38

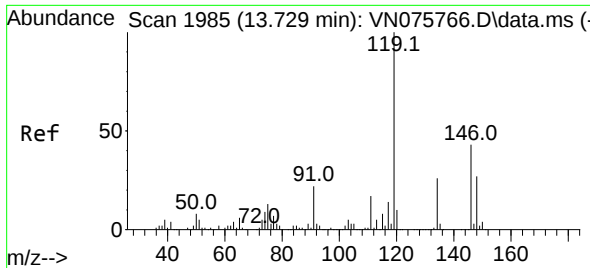
Tgt Ion:105 Resp: 52116

Ion Ratio Lower Upper

105 100

134 24.5 10.1 30.1

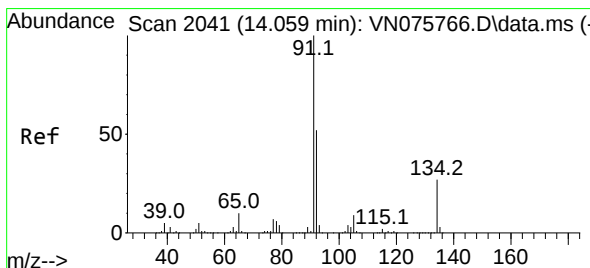
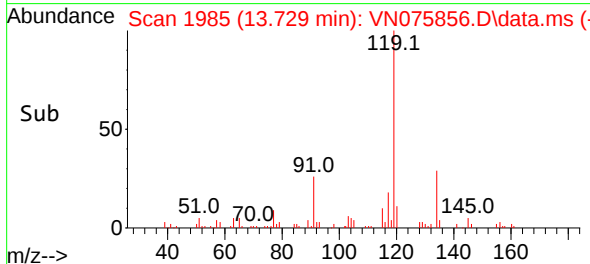
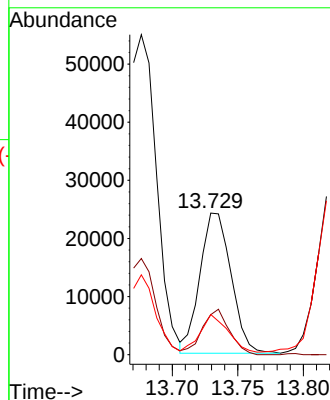
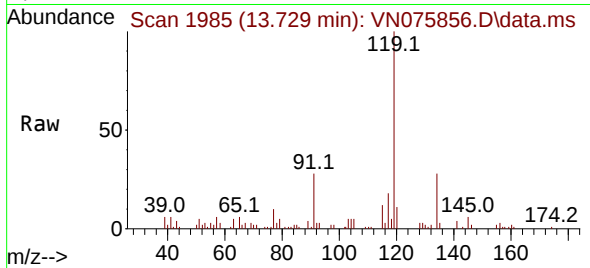




#86
p-Isopropyltoluene
Concen: 2.888 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

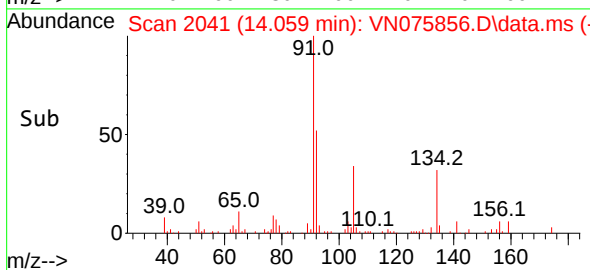
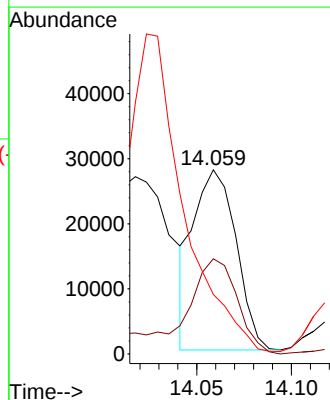
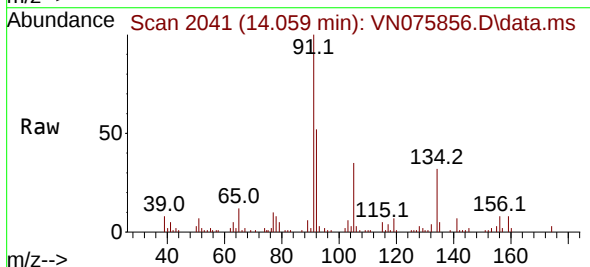
Instrument :
MSVOA_N
ClientSampleId :
33864

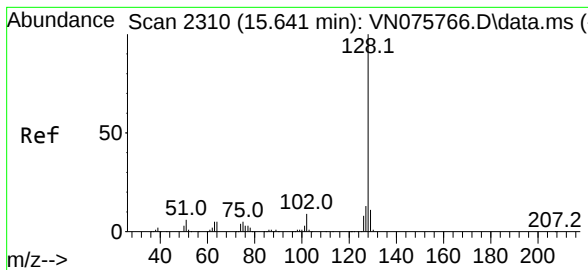
Tgt Ion:	119	Resp:	39895
Ion	Ratio	Lower	Upper
119	100		
134	28.4	13.0	39.0
91	23.5	11.2	33.6



#89
n-Butylbenzene
Concen: 3.865 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN075856.D
Acq: 16 Dec 2022 18:38

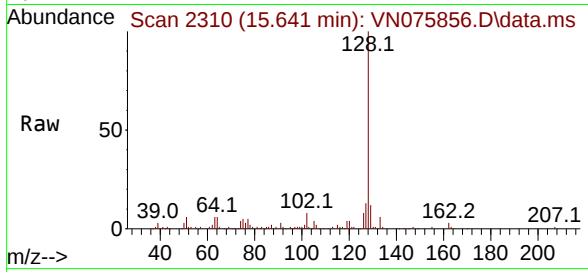
Tgt Ion:	91	Resp:	43247
Ion	Ratio	Lower	Upper
91	100		
92	55.7	26.4	79.2
134	0.0	13.4	40.2#





#95
 Naphthalene
 Concen: 11.914 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN075856.D
 Acq: 16 Dec 2022 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 33864



Tgt Ion:	128	Resp:	124957
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	8.7	8.7	13.1#

