

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083896.D
 Acq On : 14 Sep 2024 17:32
 Operator : JC\MD
 Sample : P3948-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50413

Quant Time: Sep 16 01:38:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

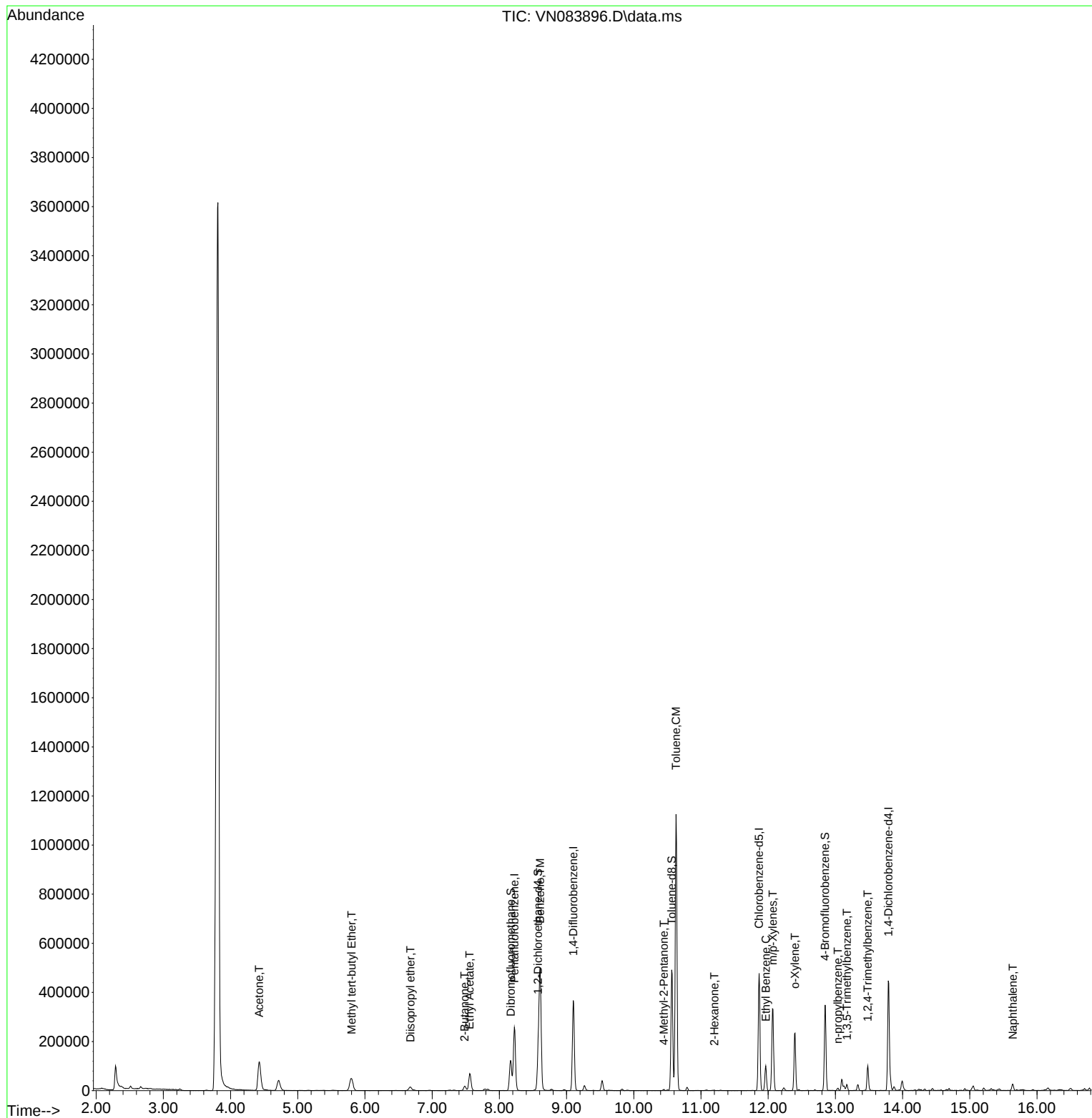
Internal Standards						
1) Pentafluorobenzene	8.224	168	173205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	122850	47.039	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.080%		
35) Dibromofluoromethane	8.171	113	87536	46.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	10.565	98	328333	50.114	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.220%		
62) 4-Bromofluorobenzene	12.847	95	117223	43.366	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.740%		
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	225933	215.799	ug/l	100
19) Methyl tert-butyl Ether	5.800	73	79915	11.788	ug/l	97
22) Diisopropyl ether	6.677	45	17765	2.585	ug/l	95
25) 2-Butanone	7.482	43	28803	20.931	ug/l	97
37) Ethyl Acetate	7.559	43	103773	40.078	ug/l	99
40) Benzene	8.606	78	464616	54.115	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	3214	1.258	ug/l	92
52) Toluene	10.629	92	472049	89.885	ug/l	97
59) 2-Hexanone	11.200	43	2374	1.257	ug/l	67
67) Ethyl Benzene	11.964	91	72483	7.260	ug/l	97
68) m/p-Xylenes	12.070	106	102425	27.632	ug/l	98
69) o-Xylene	12.400	106	63408	17.670	ug/l	98
78) n-propylbenzene	13.035	91	7962	0.779	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	11027	1.489	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	55748	7.495	ug/l	99
95) Naphthalene	15.641	128	23554	3.747	ug/l	98

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

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Quant Time: Sep 16 01:38:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

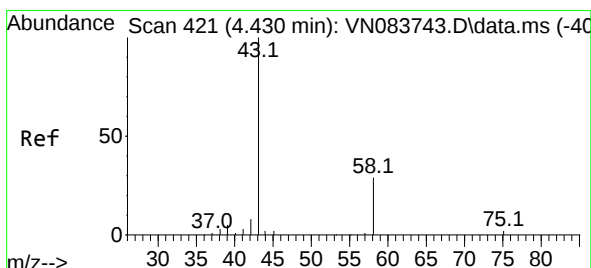
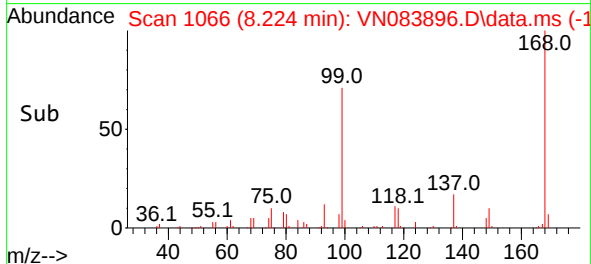
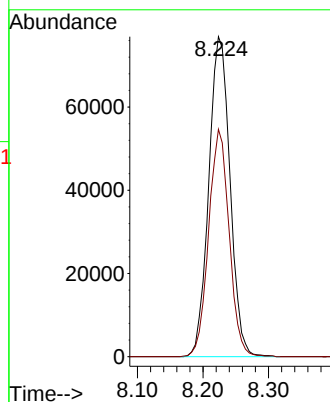
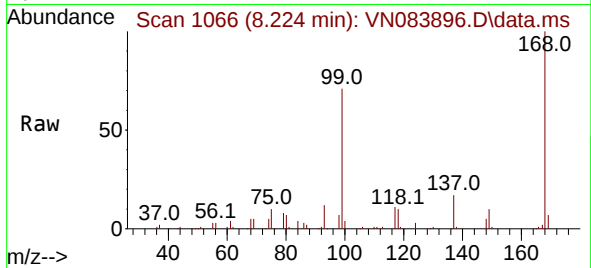




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

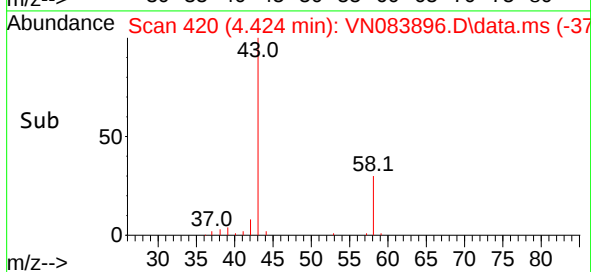
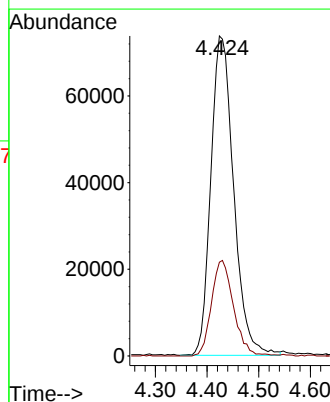
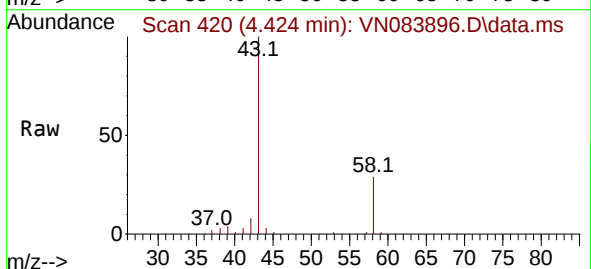
Instrument :
MSVOA_N
ClientSampleId :
50413

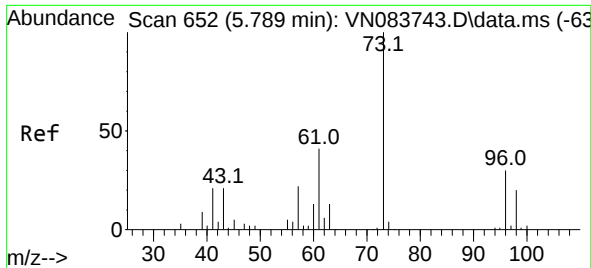
Tgt Ion:168 Resp: 173205
Ion Ratio Lower Upper
168 100
99 71.0 54.2 81.2



#16
Acetone
Concen: 215.799 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion: 43 Resp: 225933
Ion Ratio Lower Upper
43 100
58 29.4 23.7 35.5

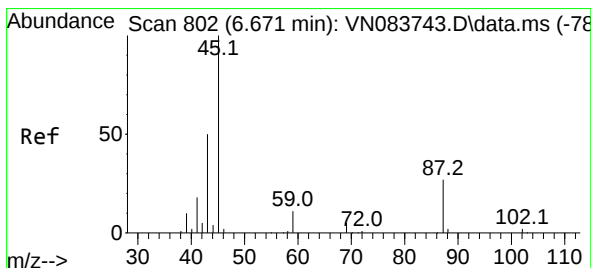
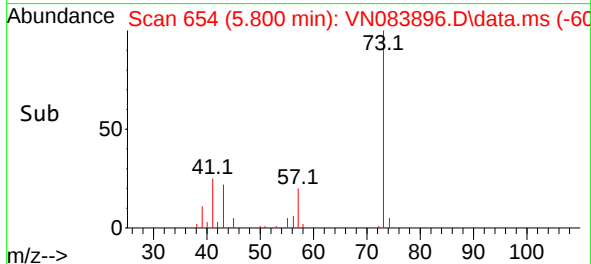
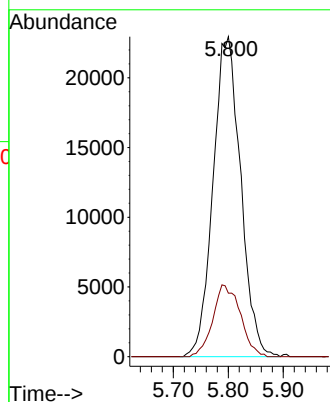
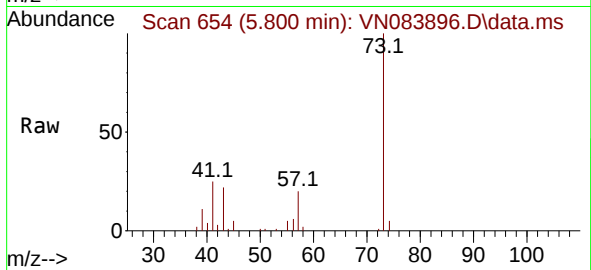




#19
Methyl tert-butyl Ether
Concen: 11.788 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

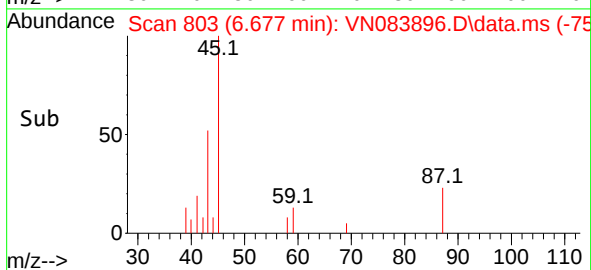
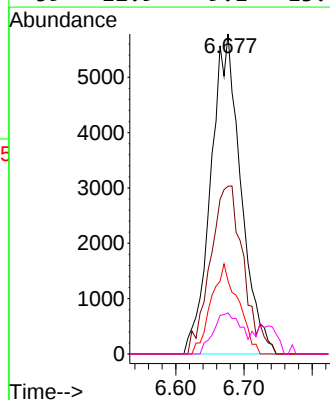
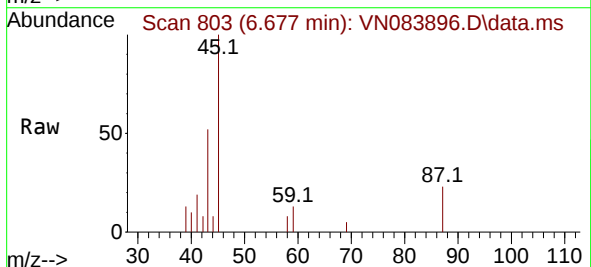
Instrument :
MSVOA_N
ClientSampleId :
50413

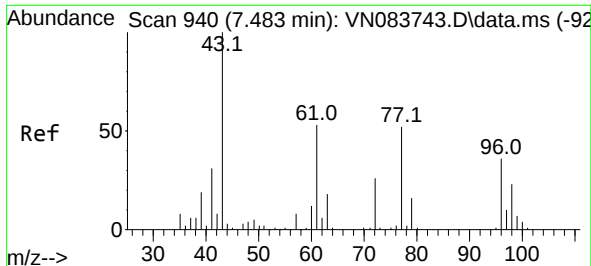
Tgt Ion: 73 Resp: 79915
Ion Ratio Lower Upper
73 100
57 19.9 17.0 25.6



#22
Diisopropyl ether
Concen: 2.585 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion: 45 Resp: 17765
Ion Ratio Lower Upper
45 100
43 52.4 43.4 65.0
87 22.8 22.6 33.8
59 12.9 9.1 13.7

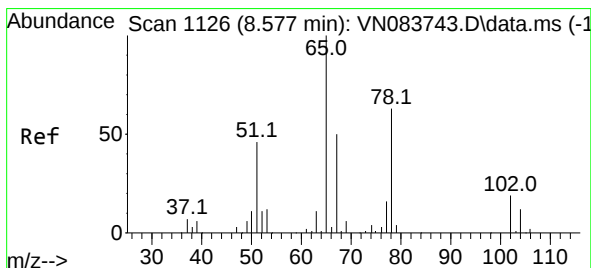
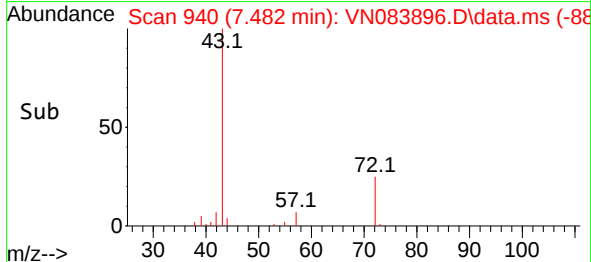
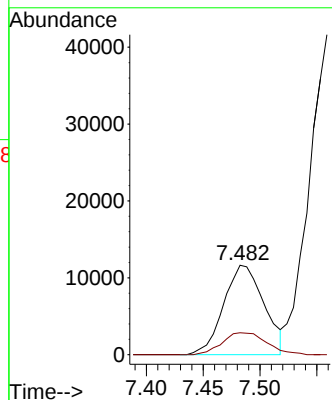
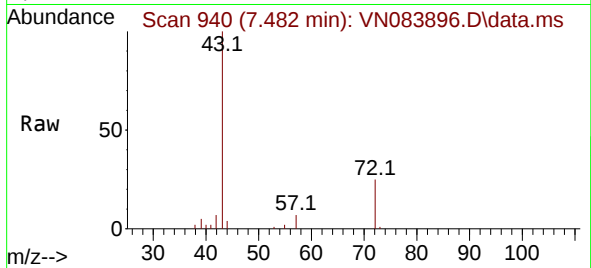




#25
2-Butanone
Concen: 20.931 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

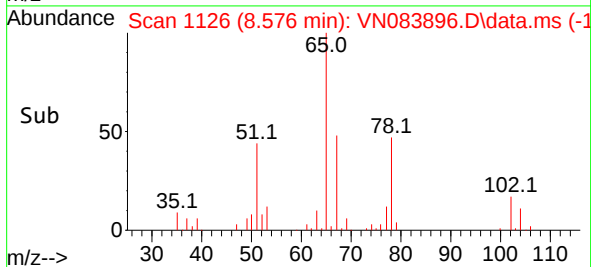
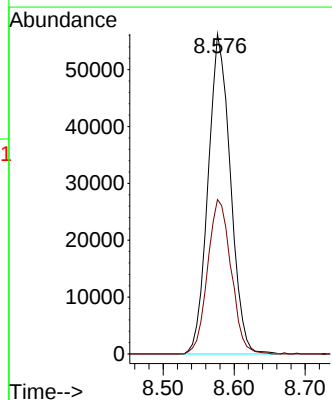
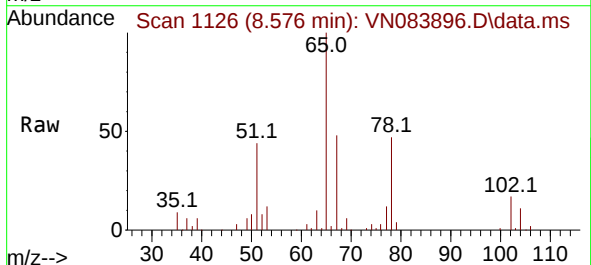
Instrument :
MSVOA_N
ClientSampleId :
50413

Tgt Ion: 43 Resp: 28803
Ion Ratio Lower Upper
43 100
72 24.5 20.8 31.2



#33
1,2-Dichloroethane-d4
Concen: 47.039 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion: 65 Resp: 122850
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083896.D

Acq: 14 Sep 2024 17:32

Instrument :

MSVOA_N

ClientSampleId :

50413

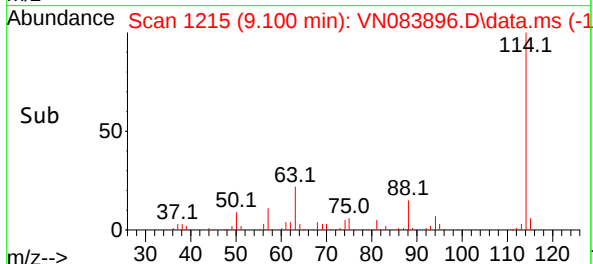
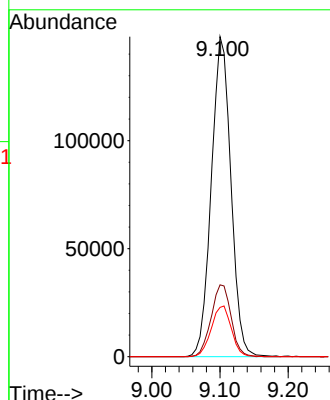
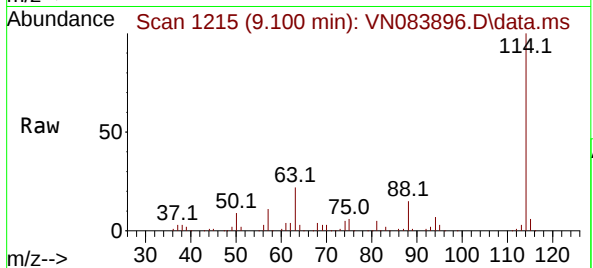
Tgt Ion:114 Resp: 296037

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.188 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083896.D

Acq: 14 Sep 2024 17:32

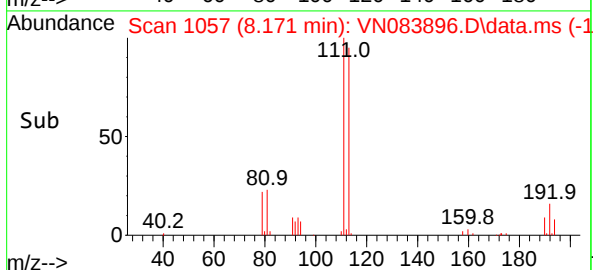
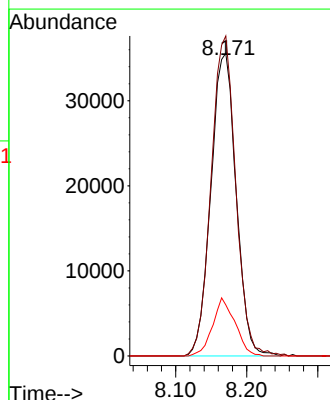
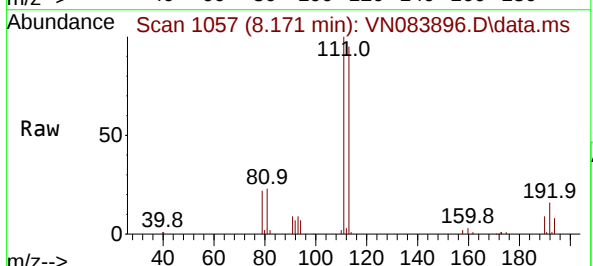
Tgt Ion:113 Resp: 87536

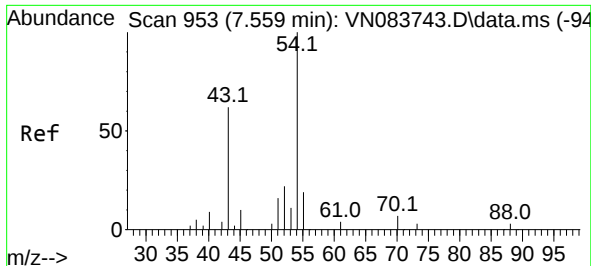
Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 17.2 14.3 21.5

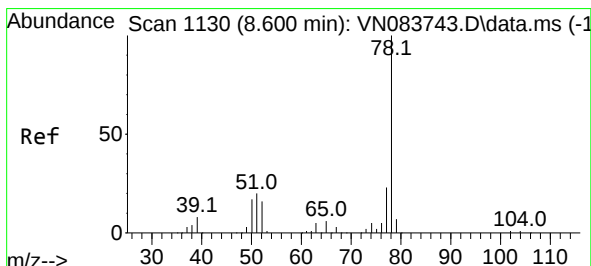
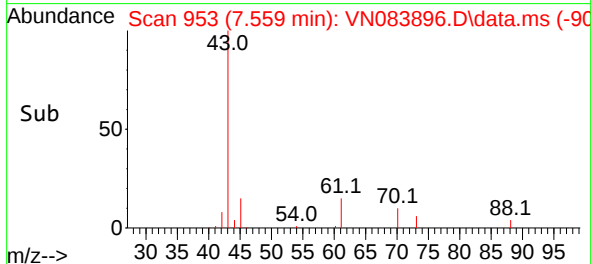
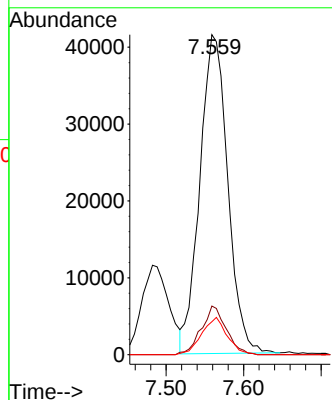
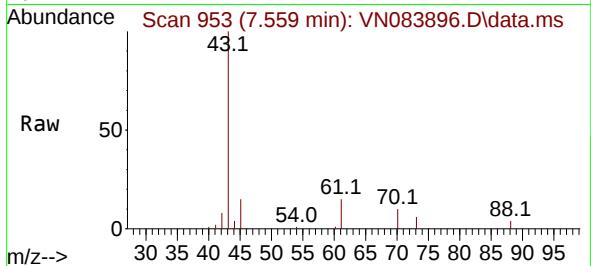




#37
Ethyl Acetate
Concen: 40.078 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

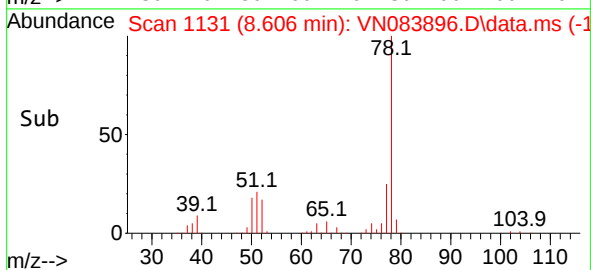
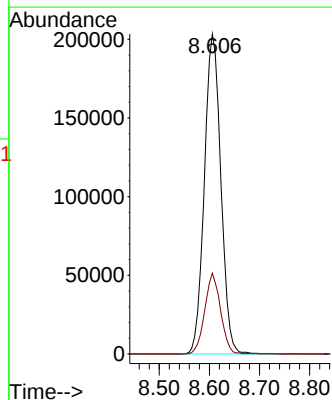
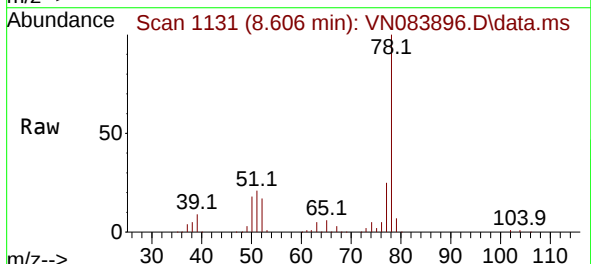
Instrument :
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ClientSampleId :
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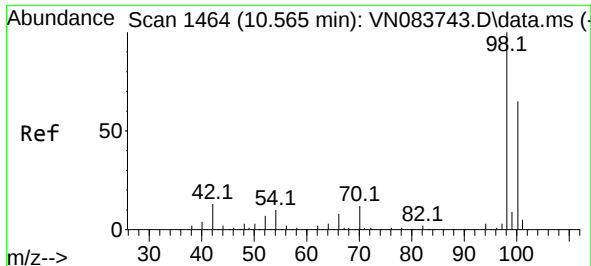
Tgt Ion: 43 Resp: 103773
Ion Ratio Lower Upper
43 100
61 13.6 11.1 16.7
70 10.7 8.8 13.2



#40
Benzene
Concen: 54.115 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion: 78 Resp: 464616
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6

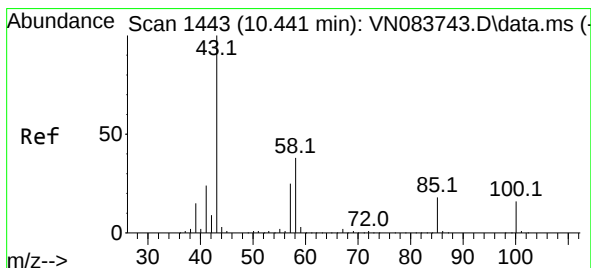
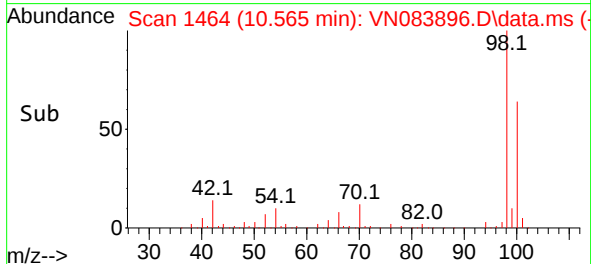
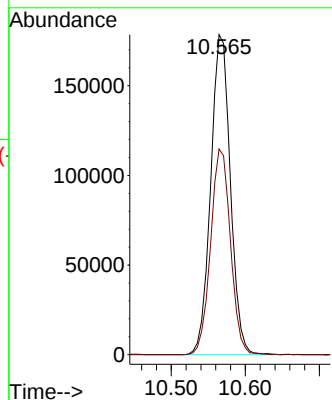
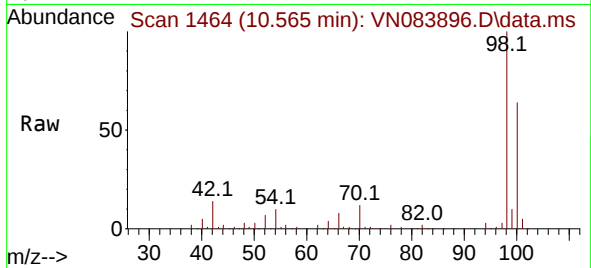




#50
Toluene-d8
Concen: 50.114 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

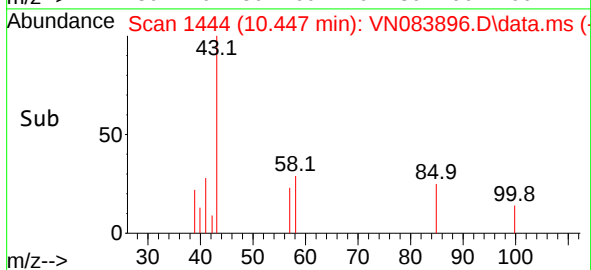
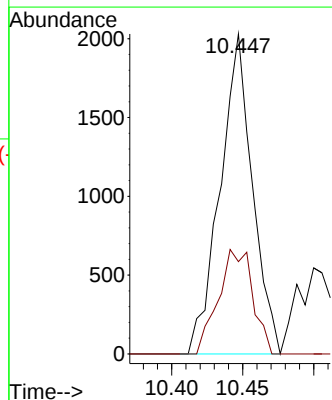
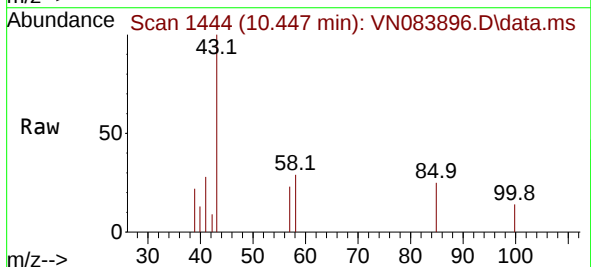
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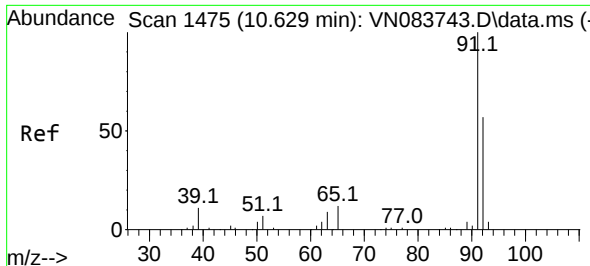
Tgt Ion: 98 Resp: 328333
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.258 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion: 43 Resp: 3214
Ion Ratio Lower Upper
43 100
58 34.7 31.6 47.4

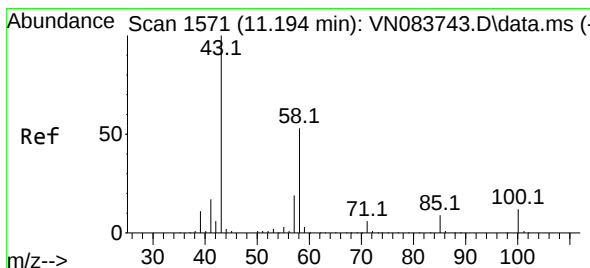
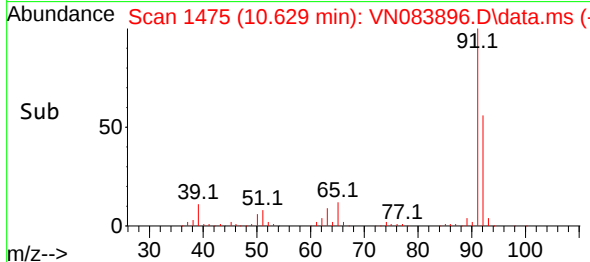
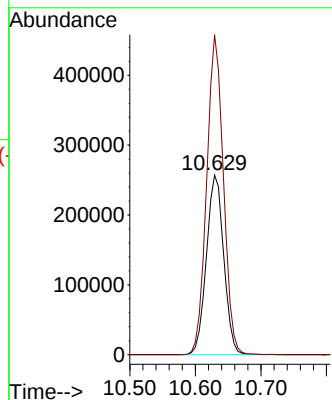
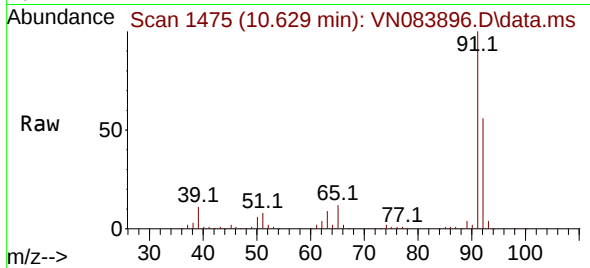




#52
Toluene
Concen: 89.885 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

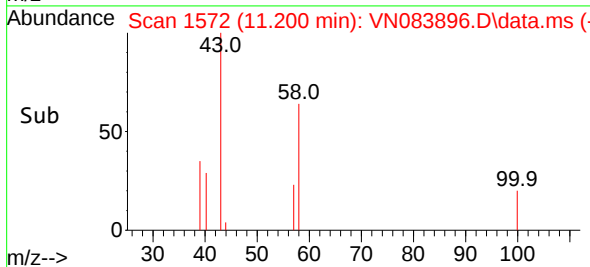
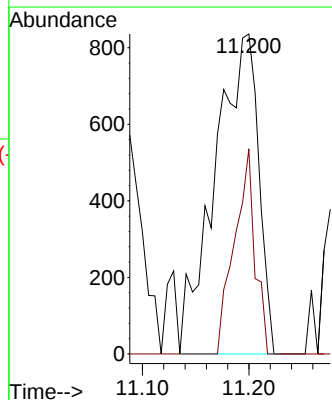
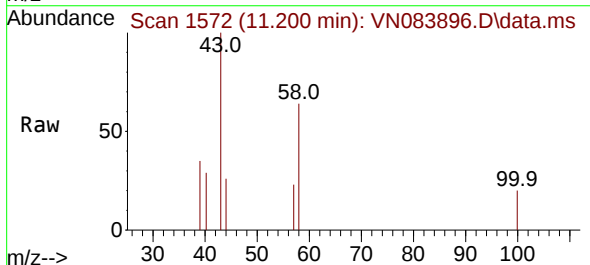
Instrument :
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ClientSampleId :
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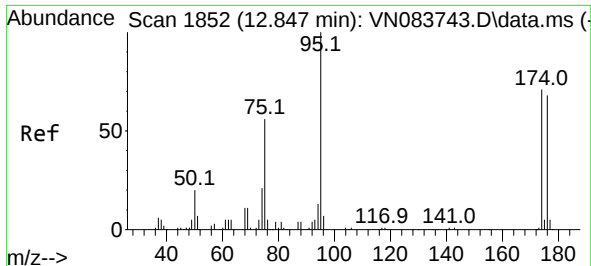
Tgt Ion: 92 Resp: 472049
Ion Ratio Lower Upper
92 100
91 172.4 134.7 202.1



#59
2-Hexanone
Concen: 1.257 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 30.3 27.2 81.5

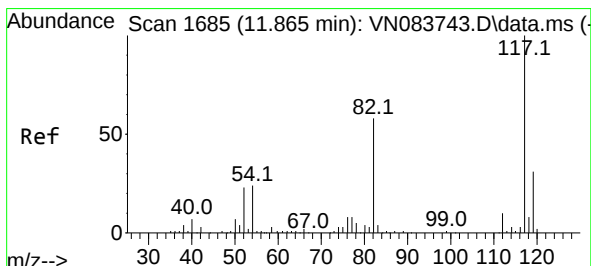
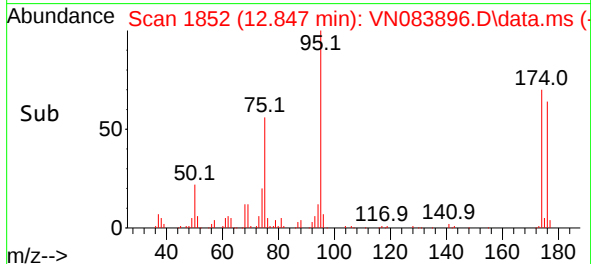
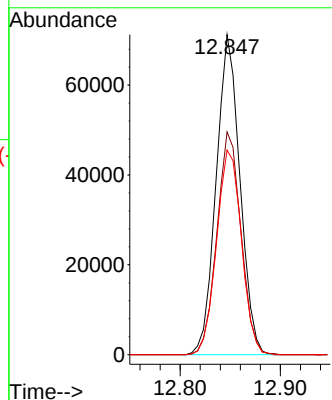
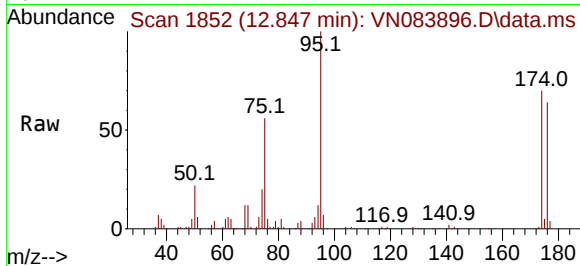




#62
4-Bromofluorobenzene
Concen: 43.366 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

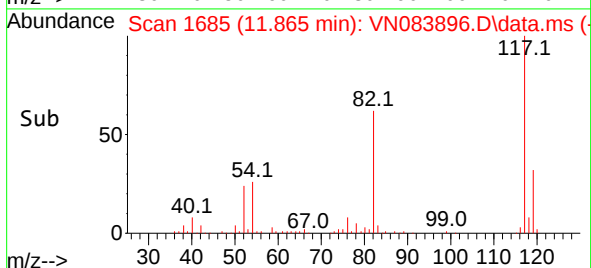
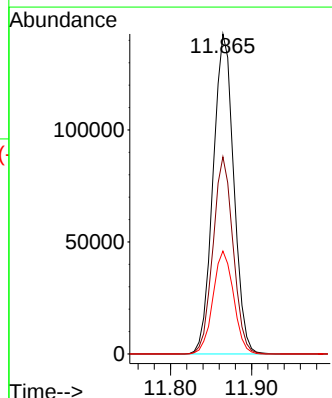
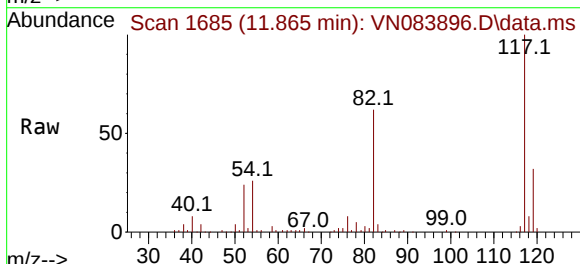
Instrument :
MSVOA_N
ClientSampleId :
50413

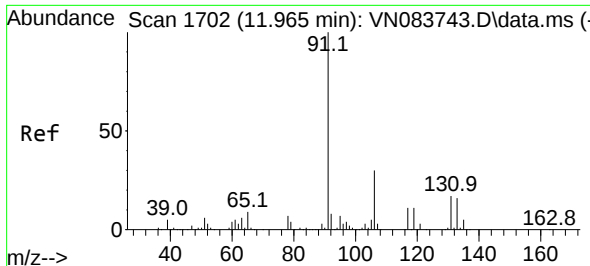
Tgt Ion: 95 Resp: 117223
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 67.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion: 117 Resp: 252882
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.0
119 32.2 26.3 39.5

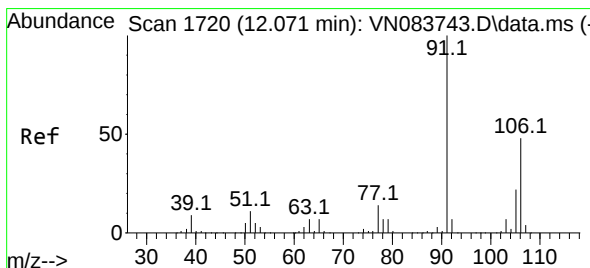
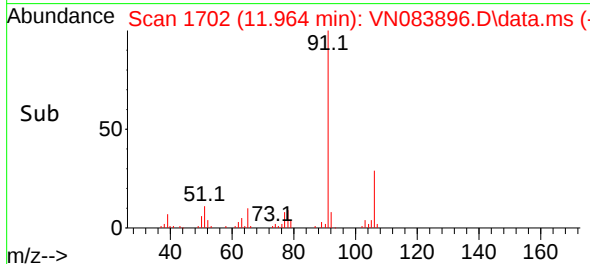
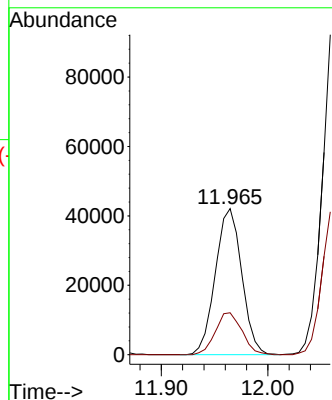
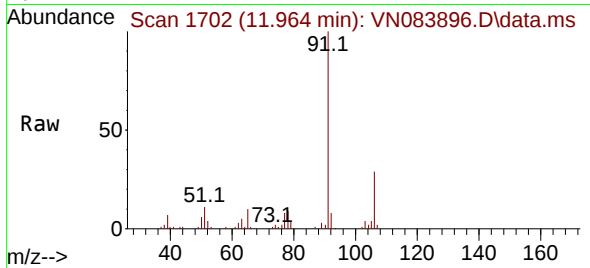




#67
Ethyl Benzene
Concen: 7.260 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

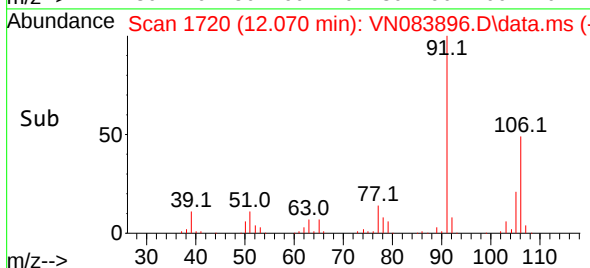
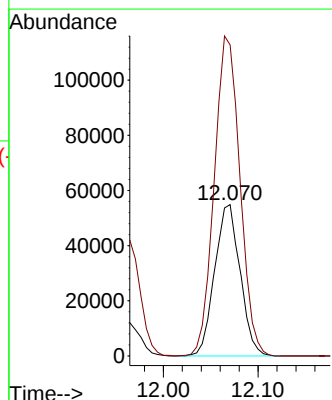
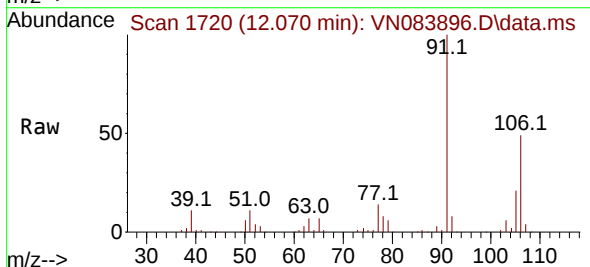
Instrument :
MSVOA_N
ClientSampleId :
50413

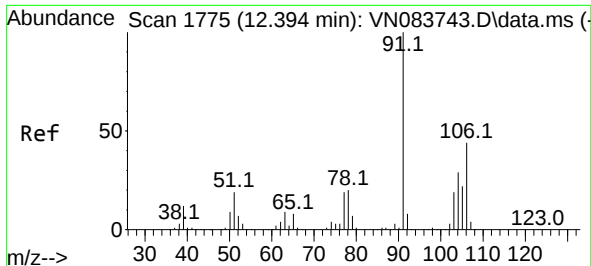
Tgt Ion: 91 Resp: 72483
Ion Ratio Lower Upper
91 100
106 28.7 24.3 36.5



#68
m/p-Xylenes
Concen: 27.632 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion:106 Resp: 102425
Ion Ratio Lower Upper
106 100
91 214.0 169.2 253.8

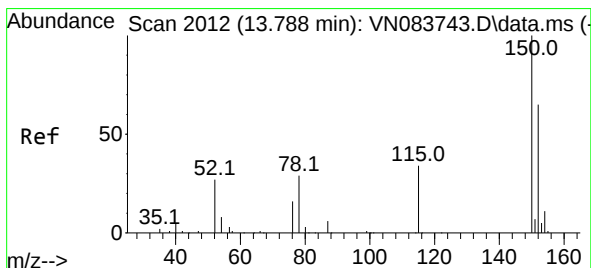
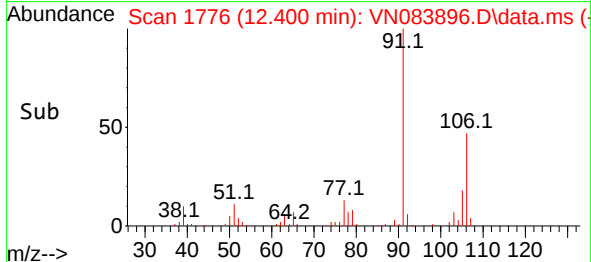
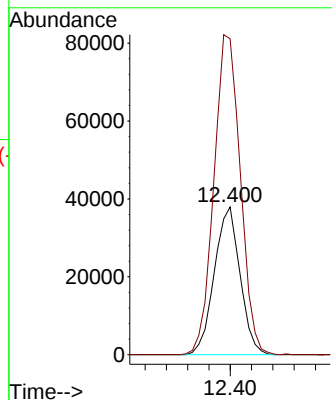
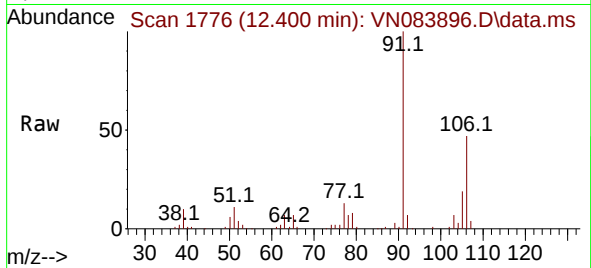




#69
o-Xylene
Concen: 17.670 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

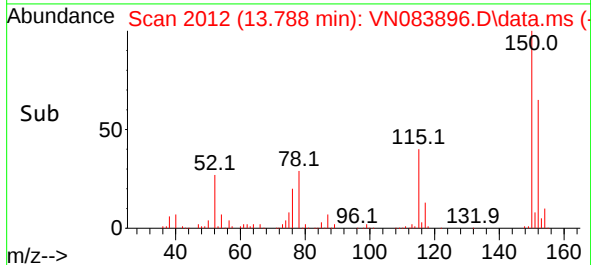
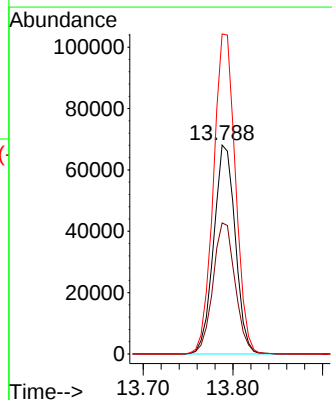
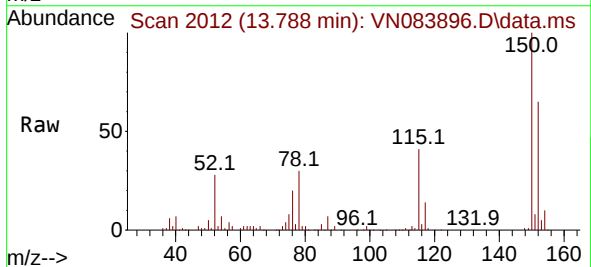
Instrument :
MSVOA_N
ClientSampleId :
50413

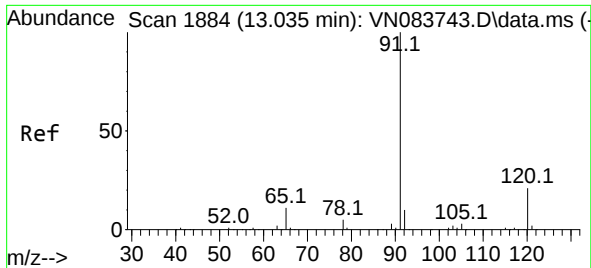
Tgt Ion:106 Resp: 63408
Ion Ratio Lower Upper
106 100
91 223.0 112.9 338.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion:152 Resp: 113517
Ion Ratio Lower Upper
152 100
115 64.8 32.2 96.6
150 156.6 0.0 348.6

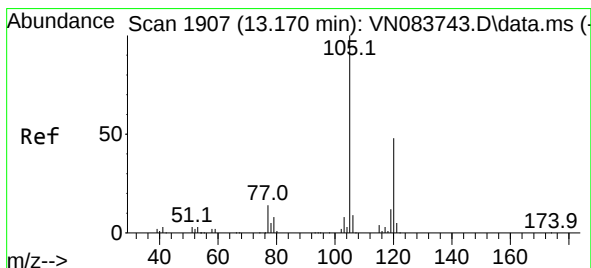
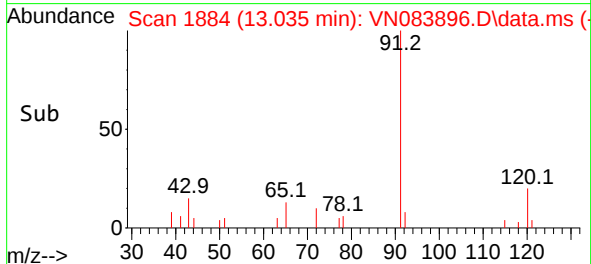
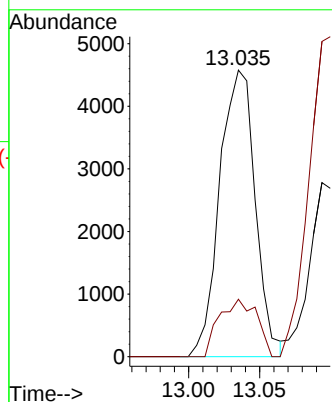
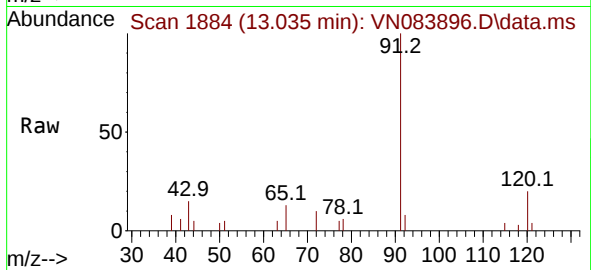




#78
n-propylbenzene
Concen: 0.779 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

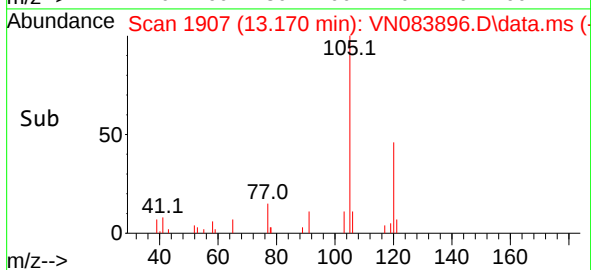
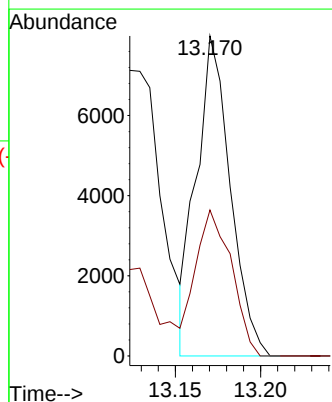
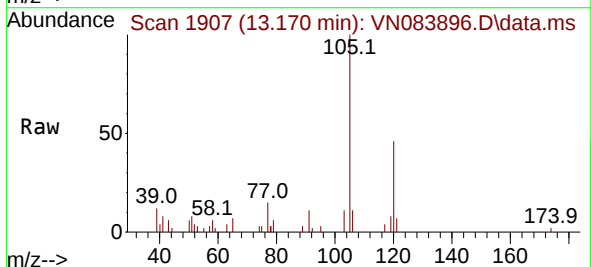
Instrument :
MSVOA_N
ClientSampleId :
50413

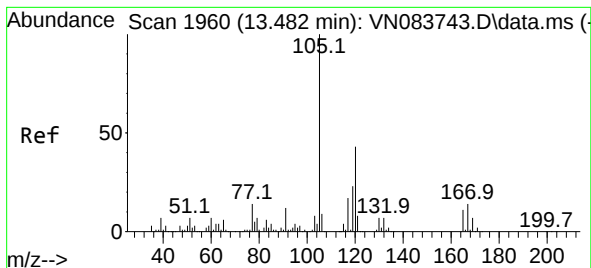
Tgt Ion: 91 Resp: 7962
Ion Ratio Lower Upper
91 100
120 21.1 11.0 33.0



#80
1,3,5-Trimethylbenzene
Concen: 1.489 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN083896.D
Acq: 14 Sep 2024 17:32

Tgt Ion: 105 Resp: 11027
Ion Ratio Lower Upper
105 100
120 48.4 23.4 70.3





#84

1,2,4-Trimethylbenzene

Concen: 7.495 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN083896.D

Acq: 14 Sep 2024 17:32

Instrument :

MSVOA_N

ClientSampleId :

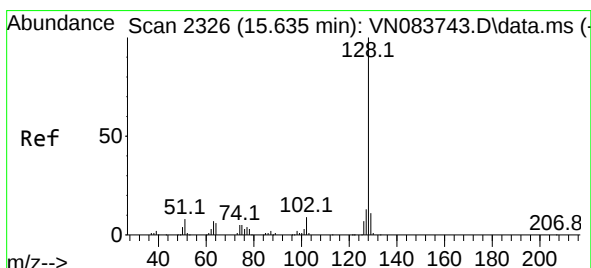
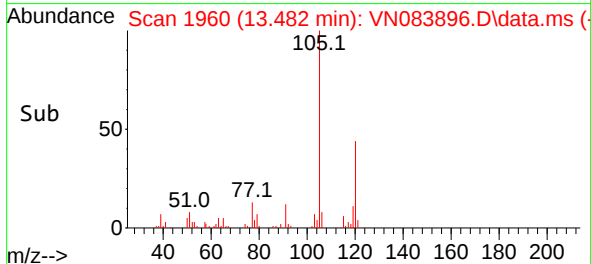
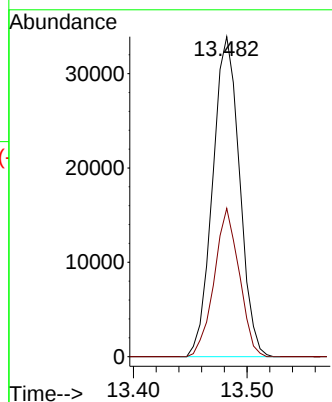
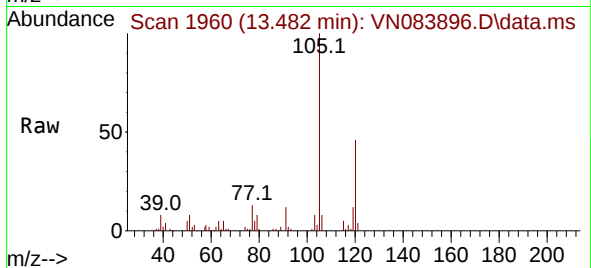
50413

Tgt Ion:105 Resp: 55748

Ion Ratio Lower Upper

105 100

120 43.2 21.8 65.4



#95

Naphthalene

Concen: 3.747 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN083896.D

Acq: 14 Sep 2024 17:32

Tgt Ion:128 Resp: 23554

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 9.9 8.7 13.1

