

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086876.D
 Acq On : 06 Jun 2025 19:05
 Operator : JC\MD
 Sample : Q2216-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3887

Quant Time: Jun 07 02:28:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

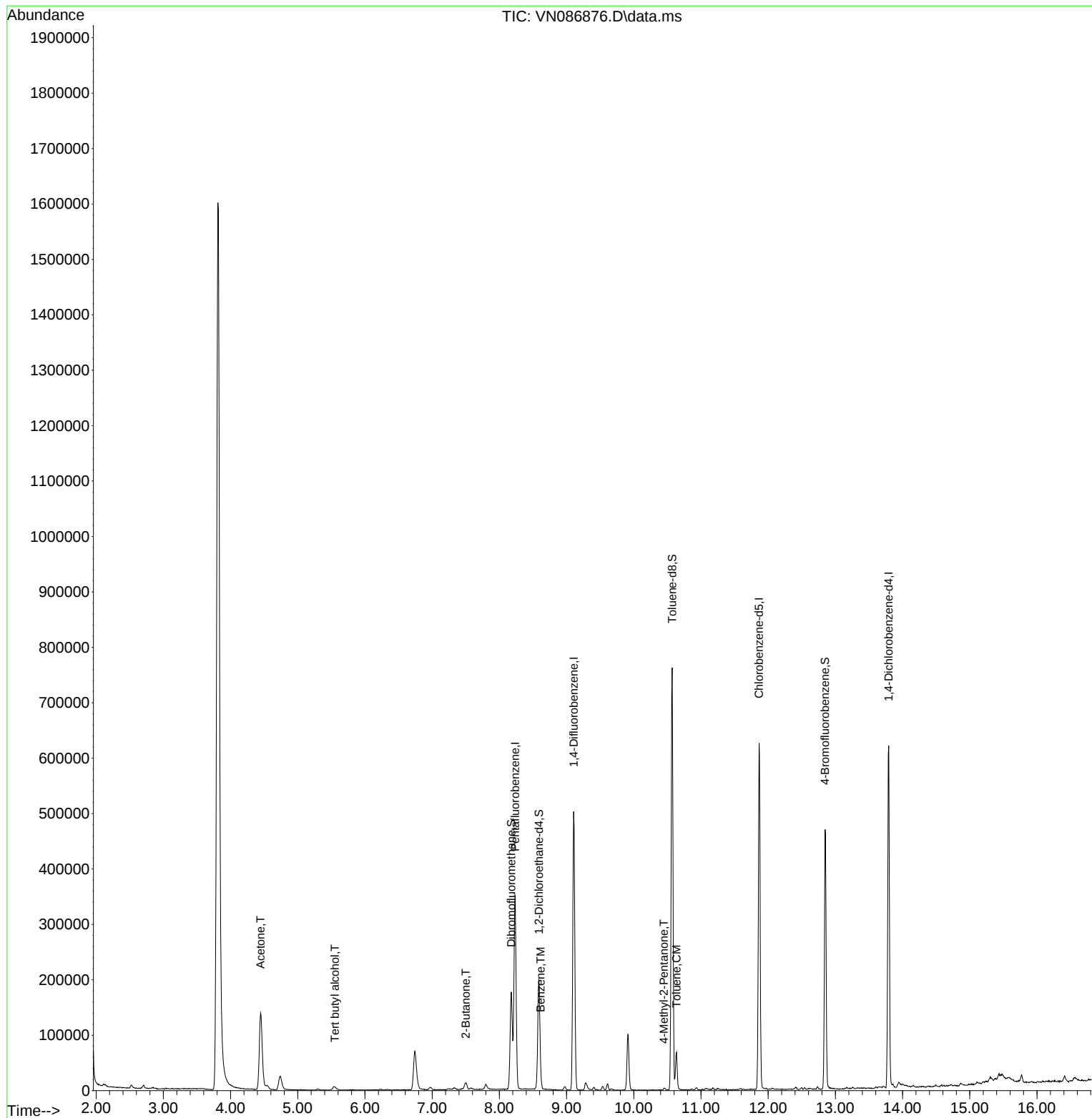
Internal Standards						
1) Pentafluorobenzene	8.235	168	269110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	462928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	388353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	177699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	162829	45.192	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.380%
35) Dibromofluoromethane	8.177	113	133772	48.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.520%
50) Toluene-d8	10.571	98	550316	50.671	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.340%
62) 4-Bromofluorobenzene	12.847	95	188017	46.597	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.553	59	13628	13.939	ug/l #	94
16) Acetone	4.447	43	276142	144.521	ug/l	97
25) 2-Butanone	7.500	43	20503	6.601	ug/l	96
40) Benzene	8.612	78	4917	0.368	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	3221	0.641	ug/l	96
52) Toluene	10.635	92	31202	3.819	ug/l	97

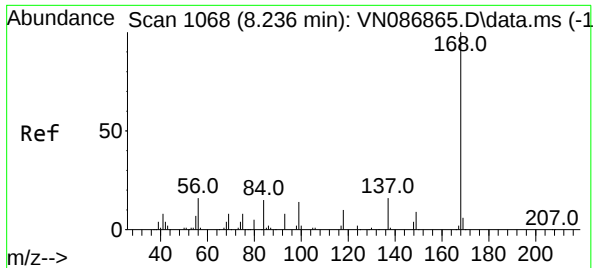
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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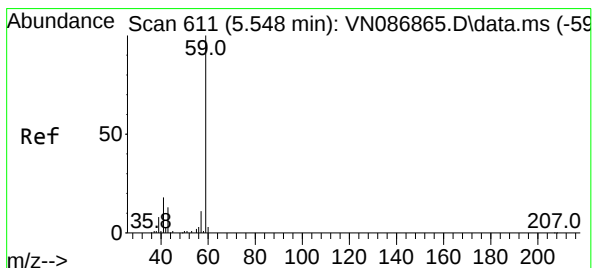
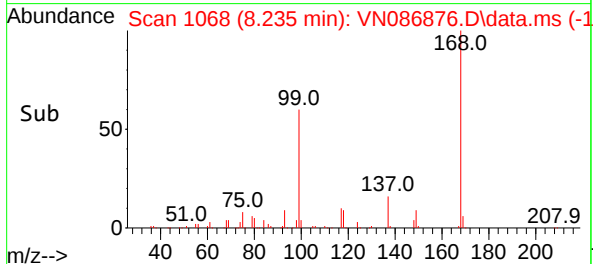
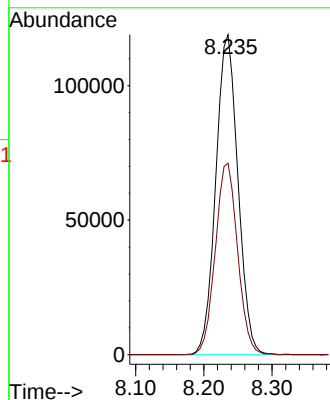
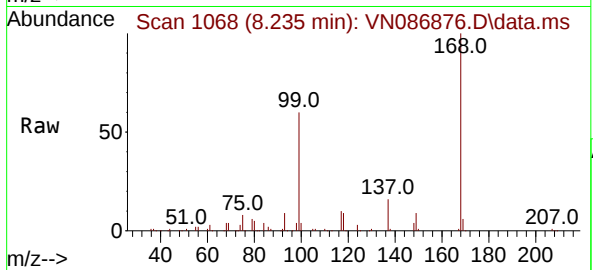




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

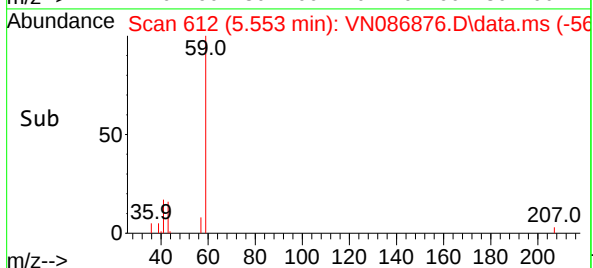
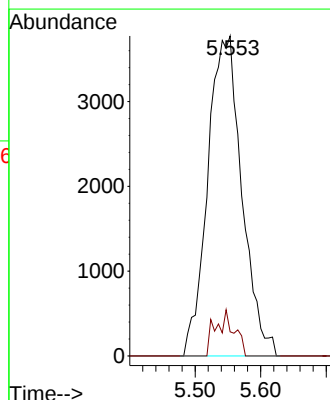
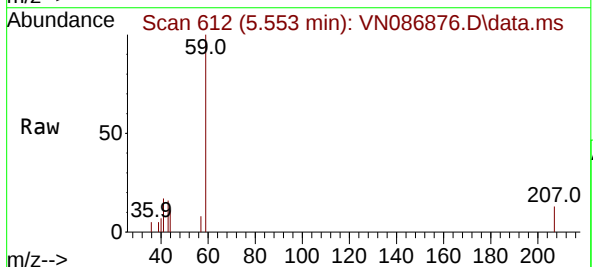
Instrument :
MSVOA_N
ClientSampleId :
3887

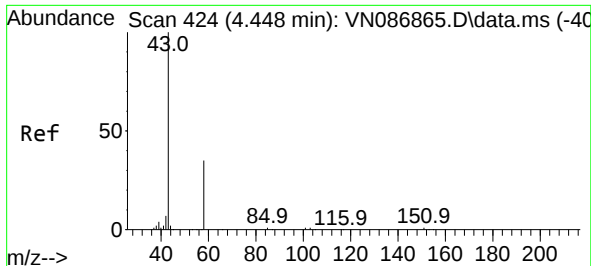
Tgt Ion:168 Resp: 269110
Ion Ratio Lower Upper
168 100
99 59.9 49.1 73.7



#11
Tert butyl alcohol
Concen: 13.939 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

Tgt Ion: 59 Resp: 13628
Ion Ratio Lower Upper
59 100
57 7.8 8.1 12.1#

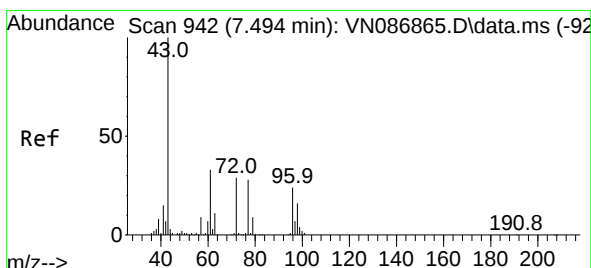
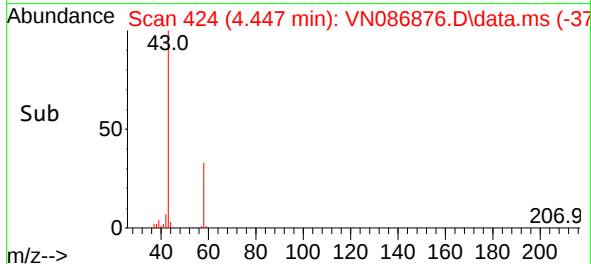
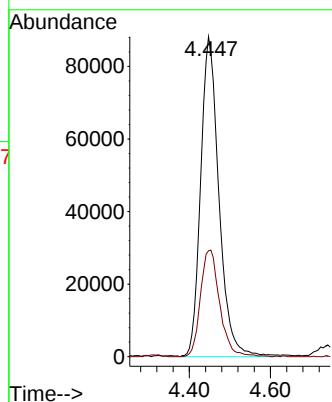
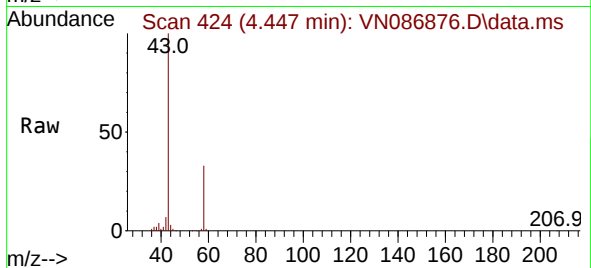




#16
Acetone
Concen: 144.521 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

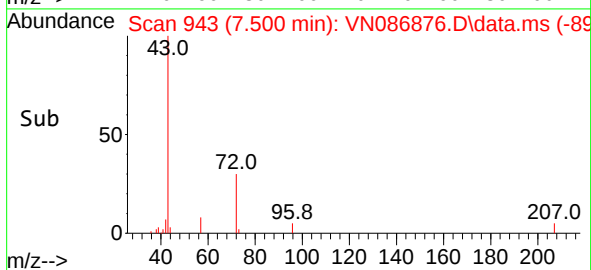
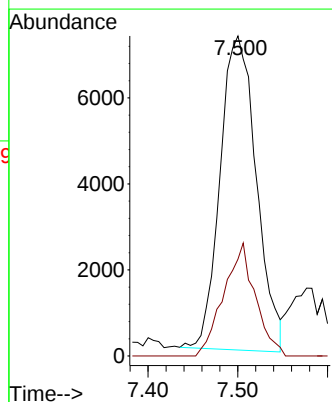
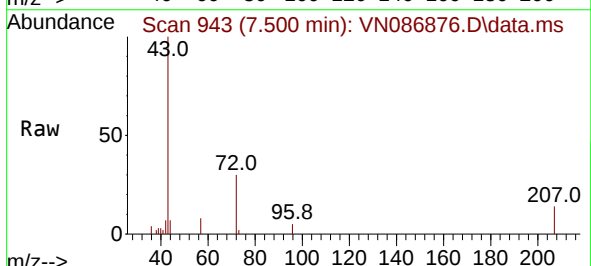
Instrument :
MSVOA_N
ClientSampleId :
3887

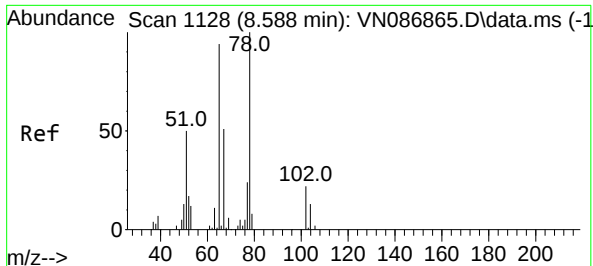
Tgt Ion: 43 Resp: 276142
Ion Ratio Lower Upper
43 100
58 33.1 28.0 42.0



#25
2-Butanone
Concen: 6.601 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

Tgt Ion: 43 Resp: 20503
Ion Ratio Lower Upper
43 100
72 31.1 23.0 34.6





#33

1,2-Dichloroethane-d4

Concen: 45.192 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086876.D

Acq: 06 Jun 2025 19:05

Instrument :

MSVOA_N

ClientSampleId :

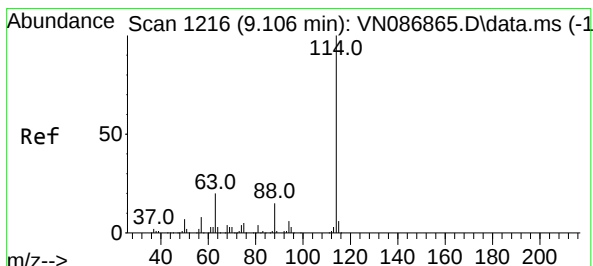
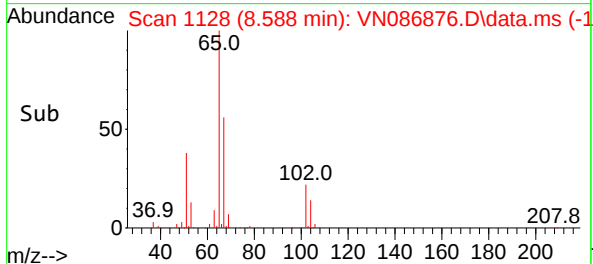
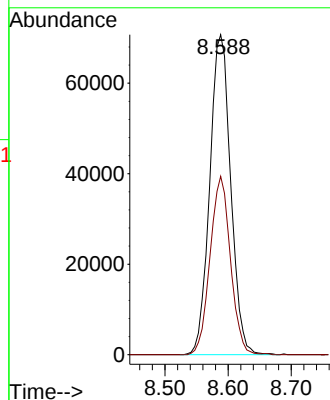
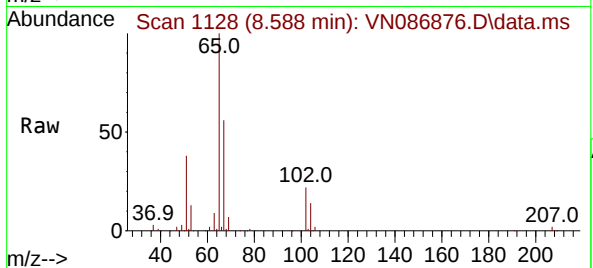
3887

Tgt Ion: 65 Resp: 162829

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086876.D

Acq: 06 Jun 2025 19:05

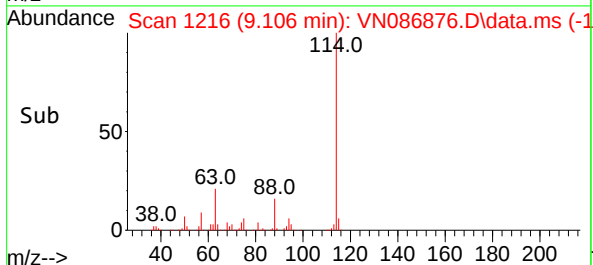
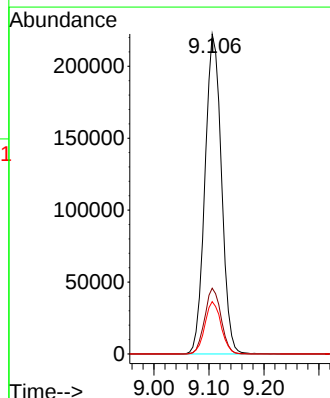
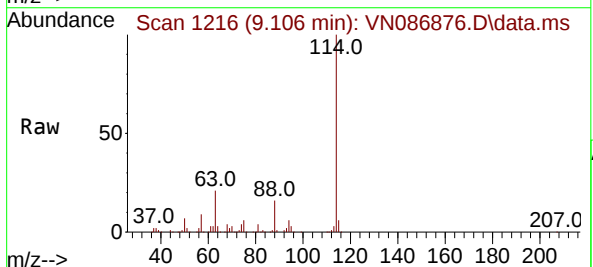
Tgt Ion: 114 Resp: 462928

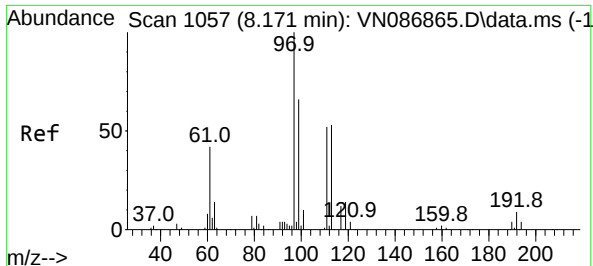
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

88 16.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.761 ug/l

RT: 8.177 min Scan# 110

Delta R.T. 0.006 min

Lab File: VN086876.D

Acq: 06 Jun 2025 19:05

Instrument :

MSVOA_N

ClientSampleId :

3887

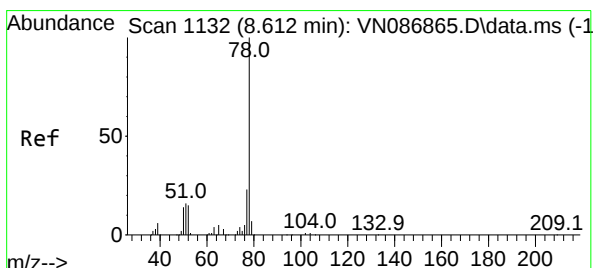
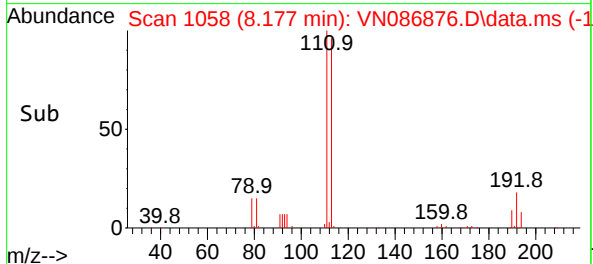
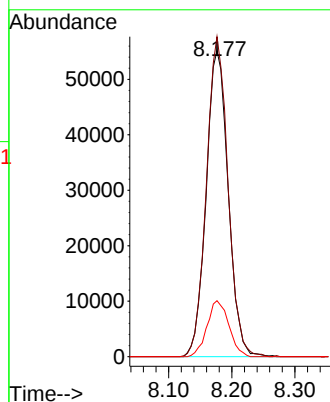
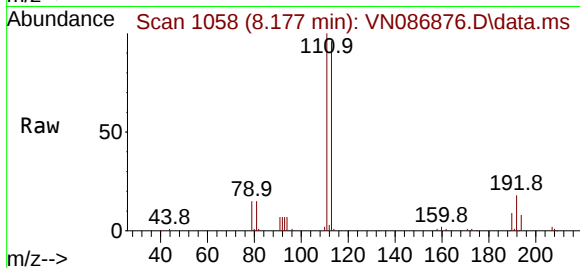
Tgt Ion:113 Resp: 133772

Ion Ratio Lower Upper

113 100

111 102.5 84.2 126.2

192 18.1 14.2 21.4



#40

Benzene

Concen: 0.368 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN086876.D

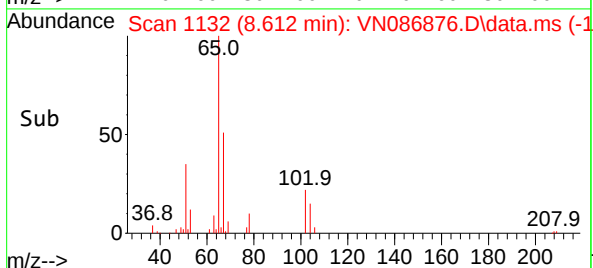
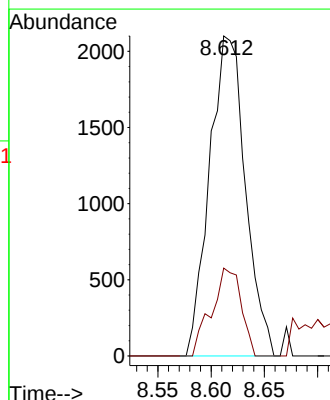
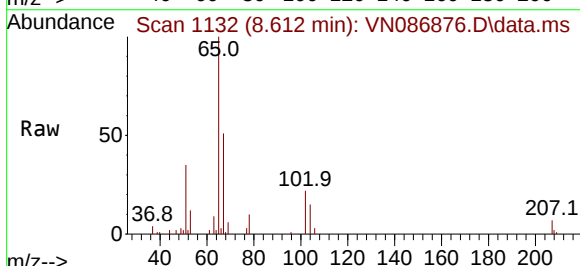
Acq: 06 Jun 2025 19:05

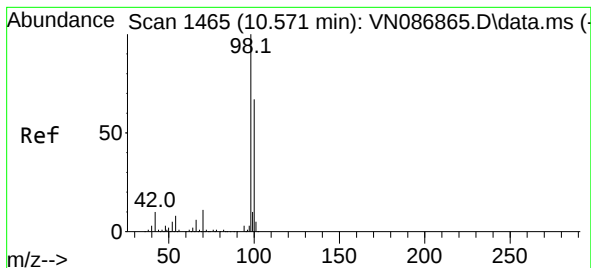
Tgt Ion: 78 Resp: 4917

Ion Ratio Lower Upper

78 100

77 27.5 18.7 28.1

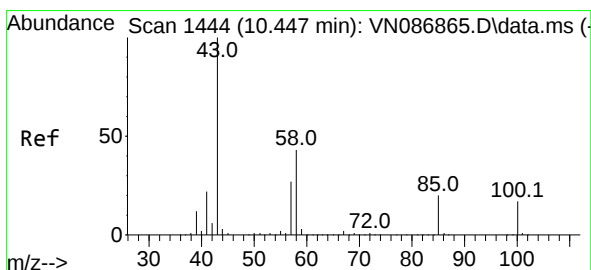
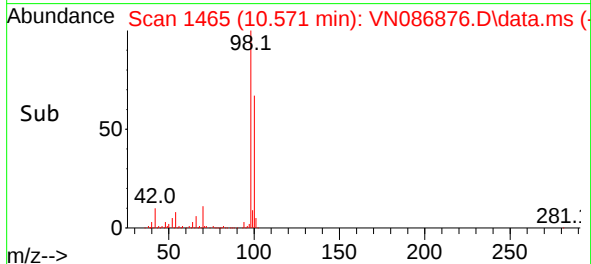
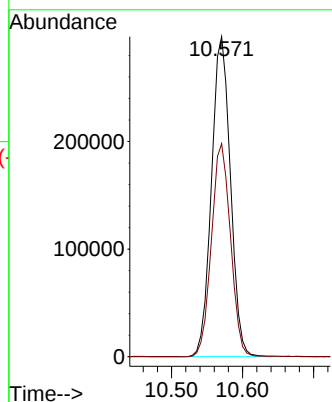
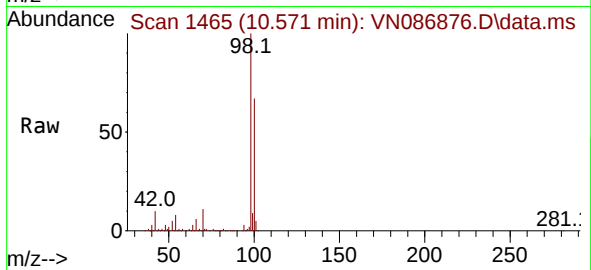




#50
Toluene-d8
Concen: 50.671 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

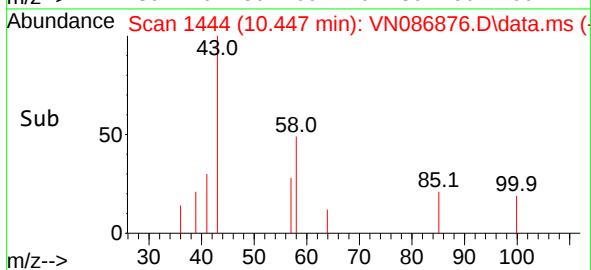
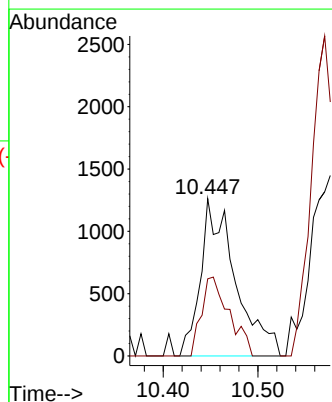
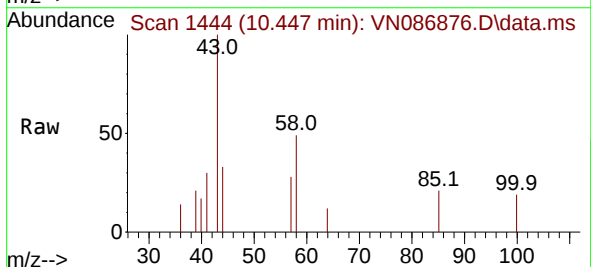
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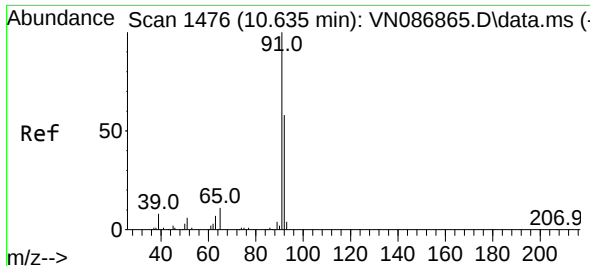
Tgt Ion: 98 Resp: 550316
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.641 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

Tgt Ion: 43 Resp: 3221
Ion Ratio Lower Upper
43 100
58 40.0 34.2 51.4

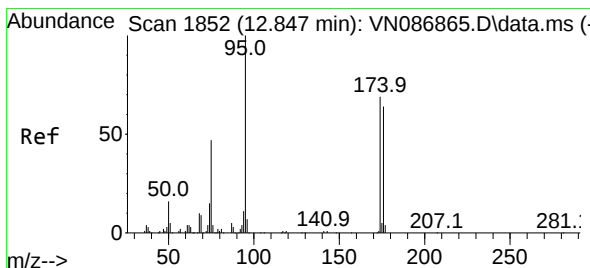
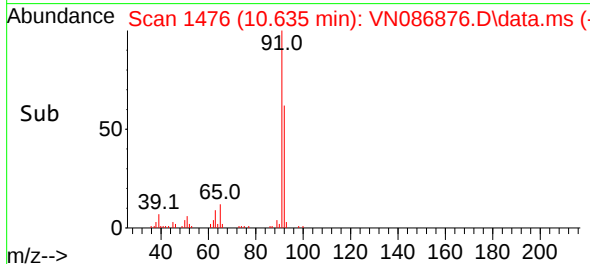
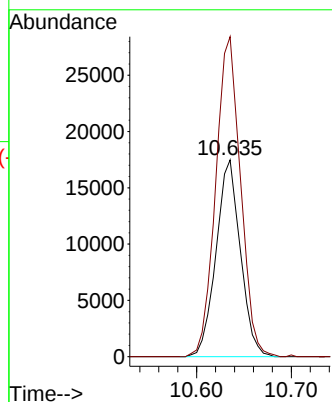
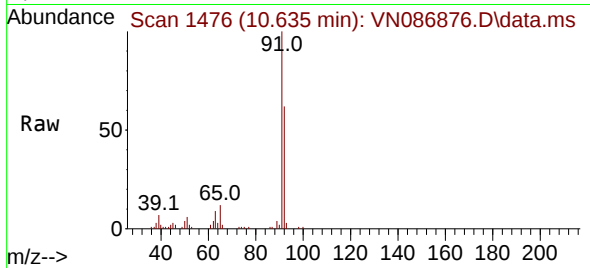




#52
Toluene
Concen: 3.819 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

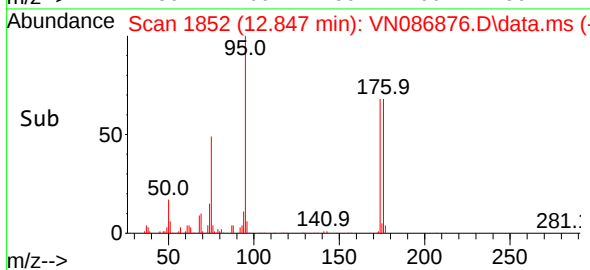
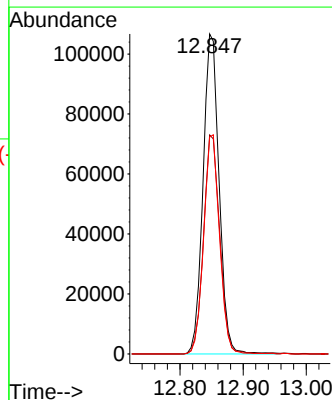
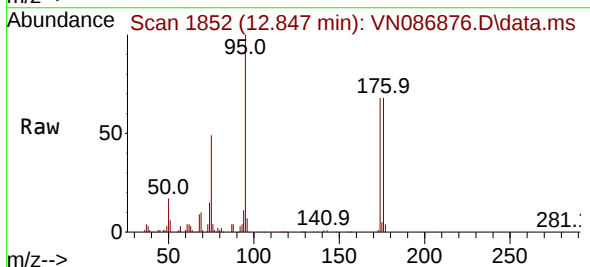
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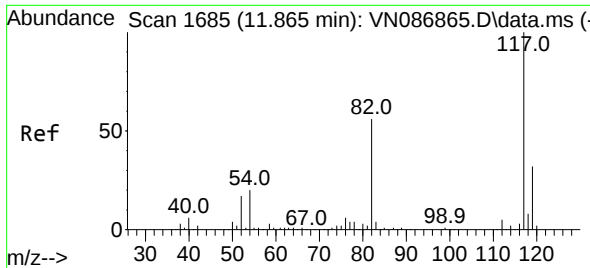
Tgt Ion: 92 Resp: 31202
Ion Ratio Lower Upper
92 100
91 166.2 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 46.597 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

Tgt Ion: 95 Resp: 188017
Ion Ratio Lower Upper
95 100
174 69.0 0.0 141.8
176 67.6 0.0 132.6

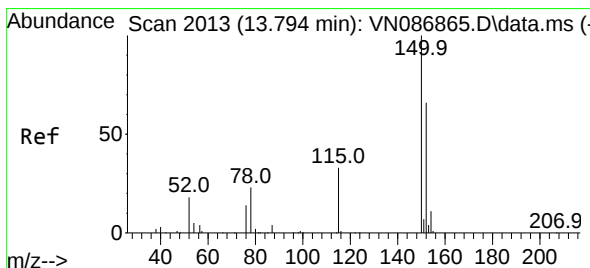
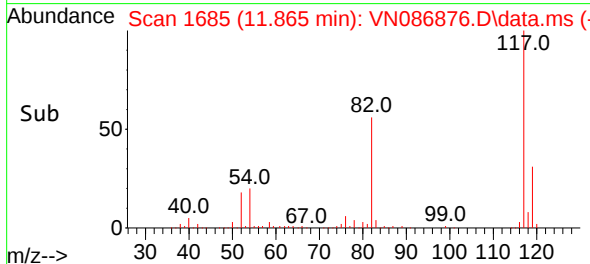
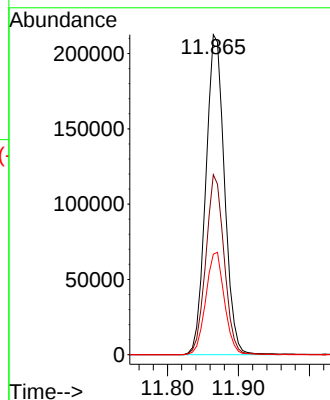
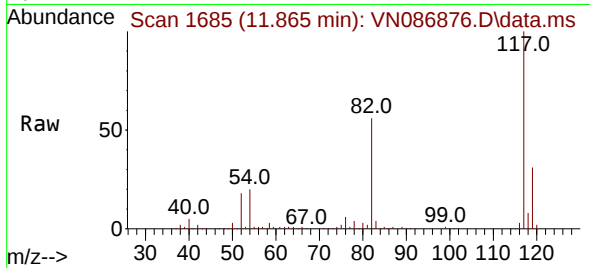




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

Instrument :
MSVOA_N
ClientSampleId :
3887

Tgt Ion:117 Resp: 388353
Ion Ratio Lower Upper
117 100
82 56.3 44.6 67.0
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086876.D
Acq: 06 Jun 2025 19:05

Tgt Ion:152 Resp: 177699
Ion Ratio Lower Upper
152 100
115 61.4 30.1 90.5
150 158.2 0.0 345.0

