

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086958.D
 Acq On : 11 Jun 2025 18:48
 Operator : JC\MD
 Sample : Q2231-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20250604

Quant Time: Jun 12 01:38:20 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)

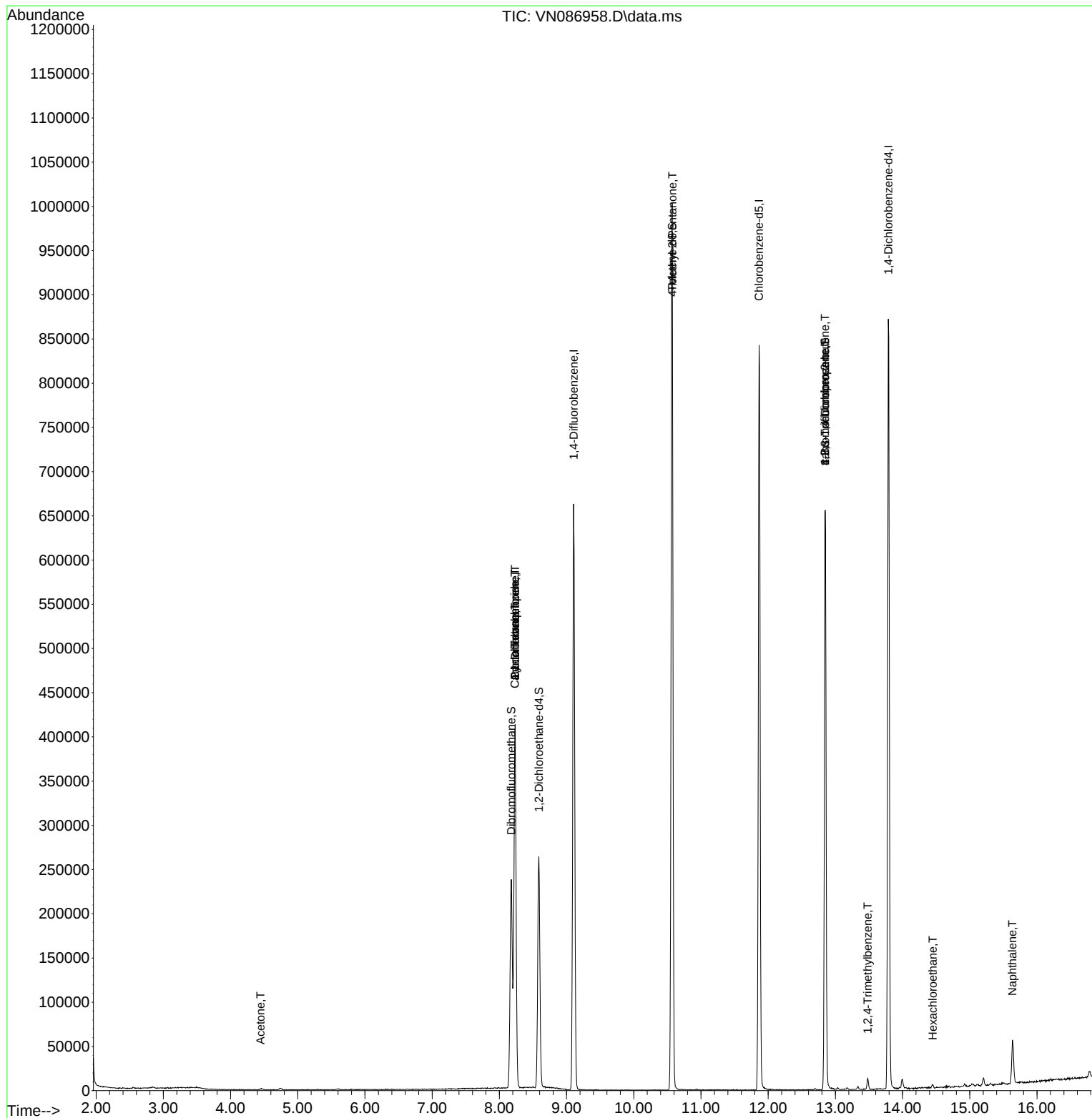
Internal Standards						
1) Pentafluorobenzene	8.235	168	325113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	613273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	544198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	259241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	212517	48.822	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.640%		
35) Dibromofluoromethane	8.177	113	180467	49.655	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.320%		
50) Toluene-d8	10.571	98	750685	52.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.360%		
62) 4-Bromofluorobenzene	12.847	95	265515	49.671	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.340%		
Target Compounds						
16) Acetone	4.447	43	2492	1.080	ug/l	95
31) Cyclohexane	8.235	56	5562	0.788	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	24442	4.513	ug/l #	48
38) Carbon Tetrachloride	8.230	117	30831	5.799	ug/l #	16
51) 4-Methyl-2-Pentanone	10.576	43	2736	0.411	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	122639	19.902	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	122639	45.813	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	7838	0.501	ug/l	99
90) Hexachloroethane	14.447	117	3130	1.078	ug/l #	17
95) Naphthalene	15.635	128	51515	2.647	ug/l	99

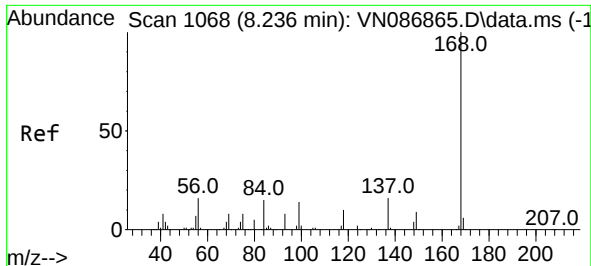
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

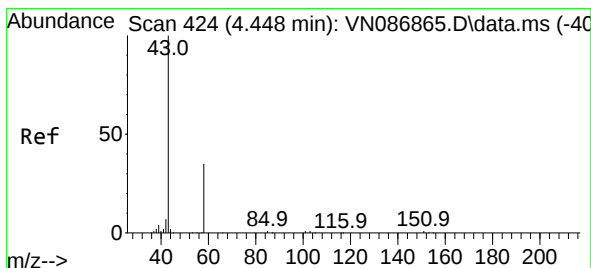
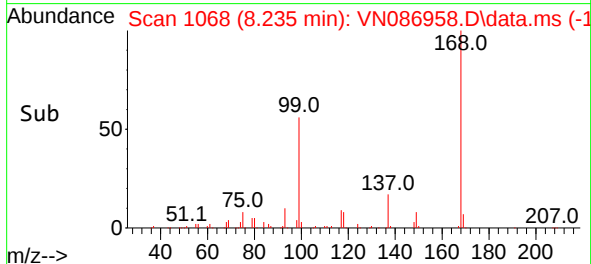
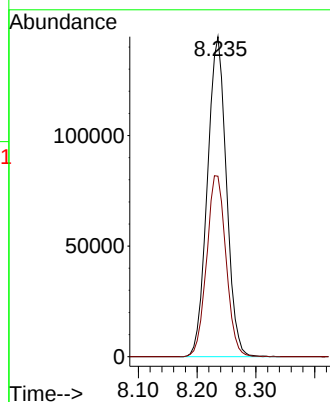
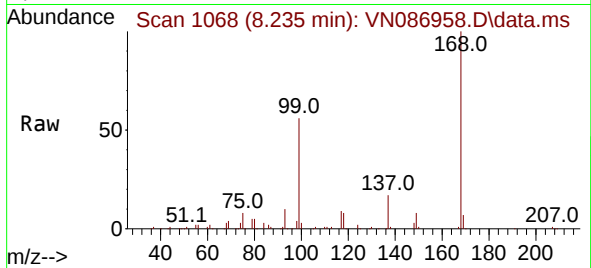




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

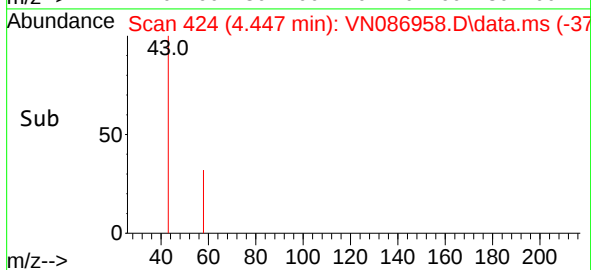
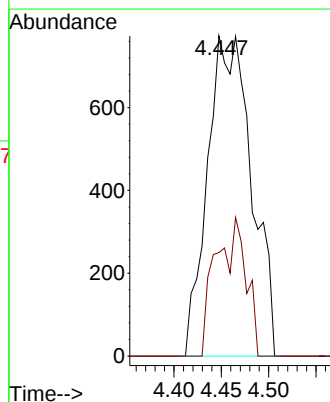
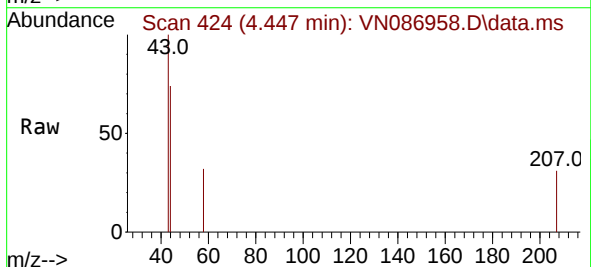
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MSVOA_N
ClientSampleId :
TB-20250604

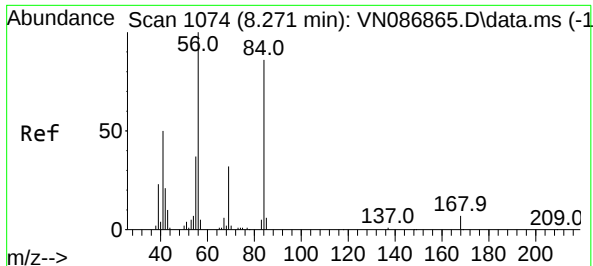
Tgt Ion:168 Resp: 325113
Ion Ratio Lower Upper
168 100
99 56.4 49.1 73.7



#16
Acetone
Concen: 1.080 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
58 32.3 28.0 42.0

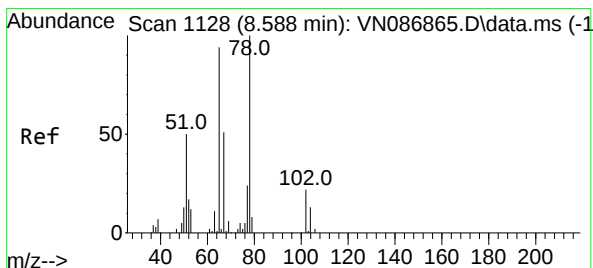
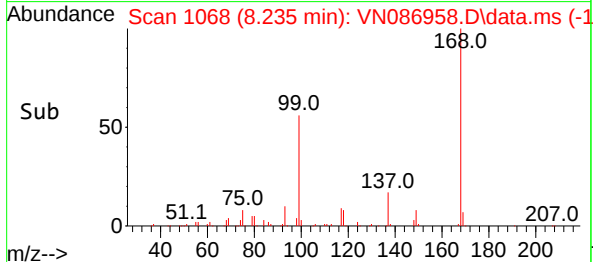
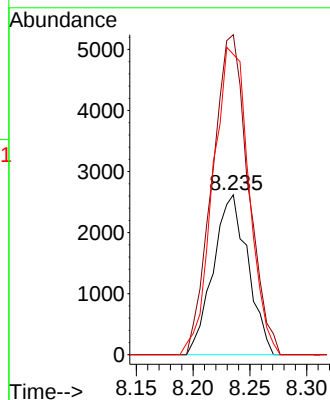
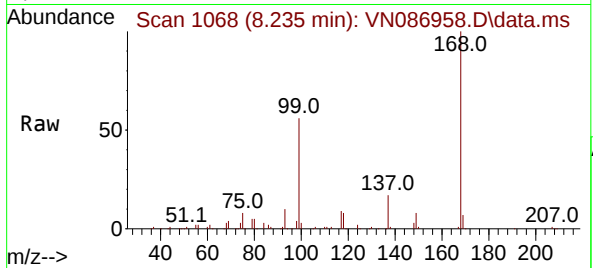




#31
Cyclohexane
Concen: 0.788 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

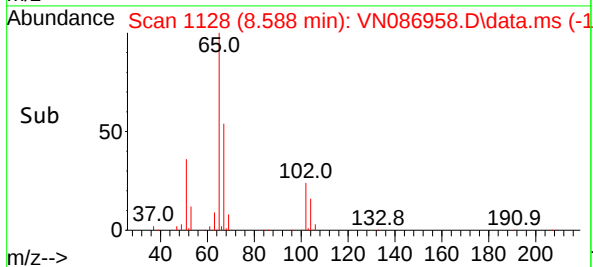
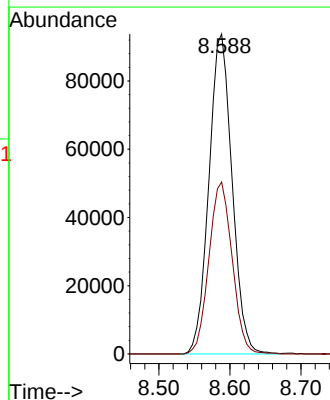
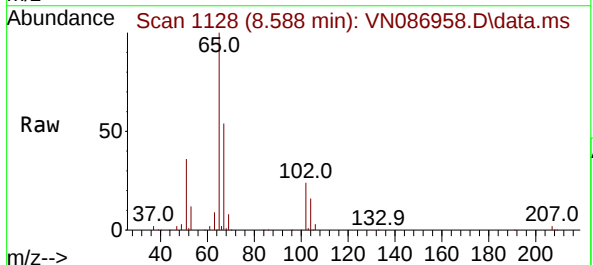
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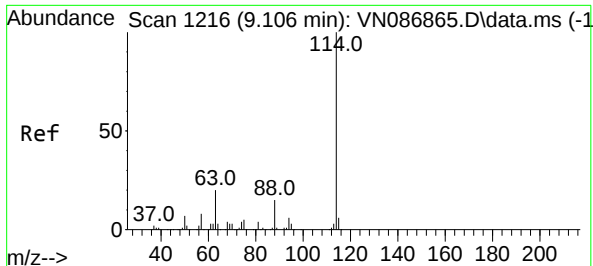
Tgt Ion: 56 Resp: 5562
Ion Ratio Lower Upper
56 100
69 200.2 25.4 38.0#
84 187.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.822 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

Tgt Ion: 65 Resp: 212517
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.6

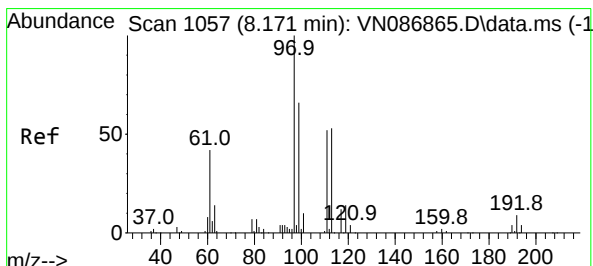
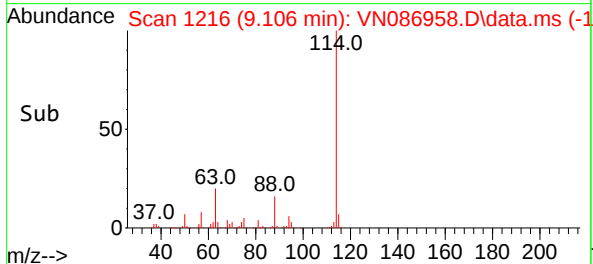
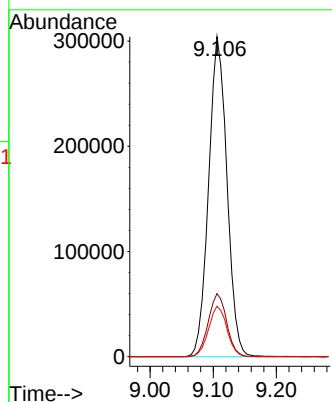
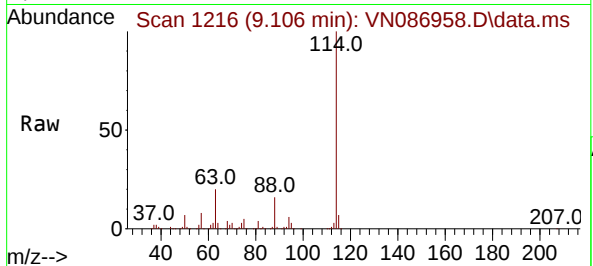




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

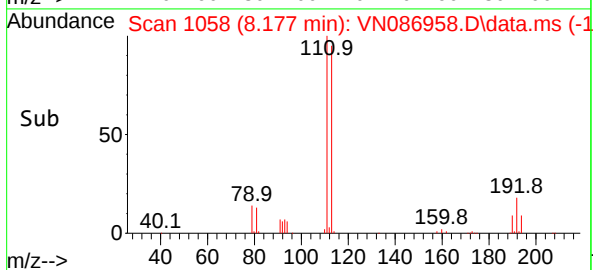
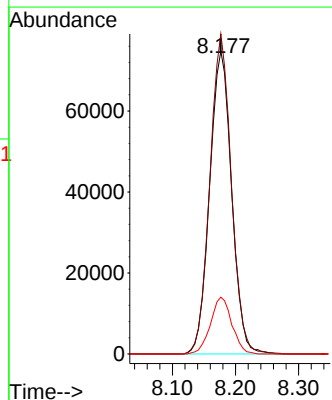
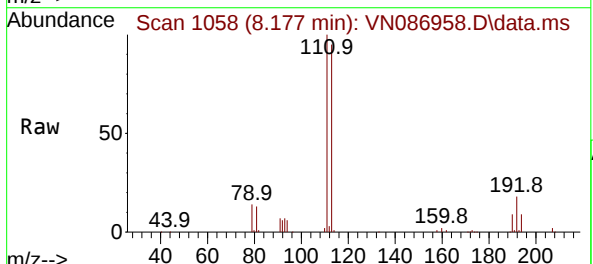
Instrument :
MSVOA_N
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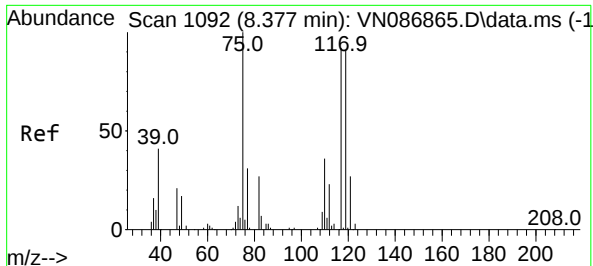
Tgt Ion:114 Resp: 613273
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.6
88 15.8 0.0 30.2



#35
Dibromofluoromethane
Concen: 49.655 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

Tgt Ion:113 Resp: 180467
Ion Ratio Lower Upper
113 100
111 103.4 84.2 126.2
192 18.3 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.513 ug/l

RT: 8.235 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN086958.D

Acq: 11 Jun 2025 18:48

Instrument :

MSVOA_N

ClientSampleId :

TB-20250604

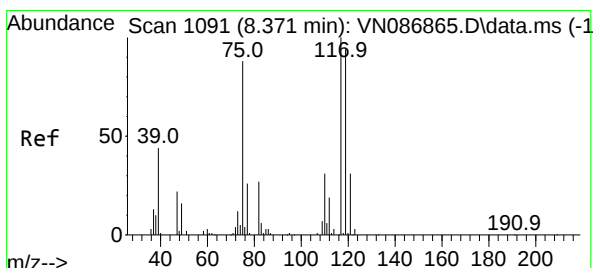
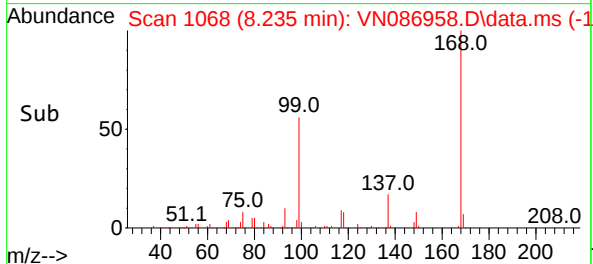
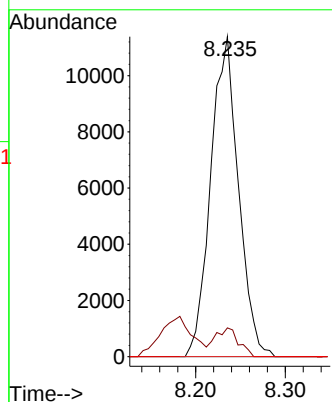
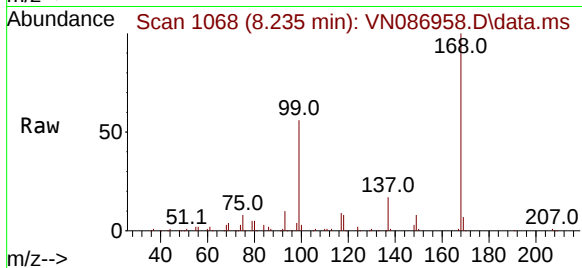
Tgt Ion: 75 Resp: 24442

Ion Ratio Lower Upper

75 100

110 7.6 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.799 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN086958.D

Acq: 11 Jun 2025 18:48

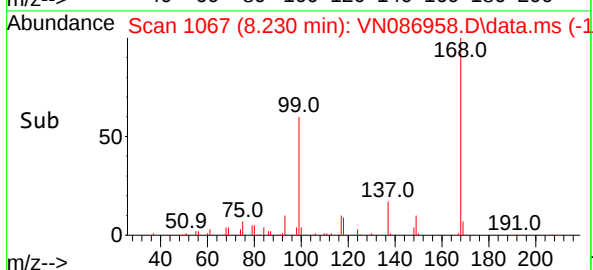
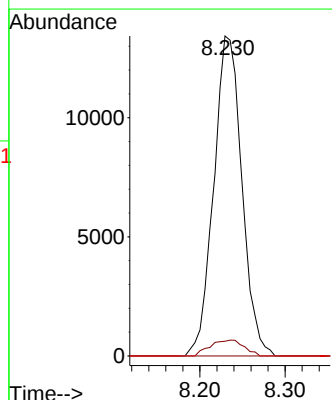
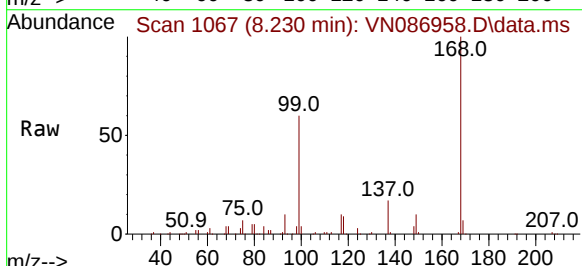
Tgt Ion: 117 Resp: 30831

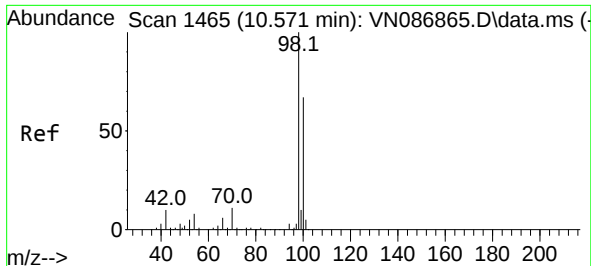
Ion Ratio Lower Upper

117 100

119 4.6 75.0 112.6#

121 0.0 24.9 37.3#

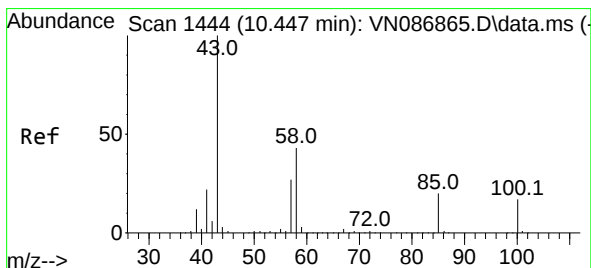
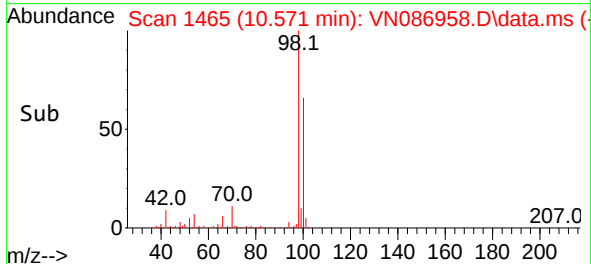
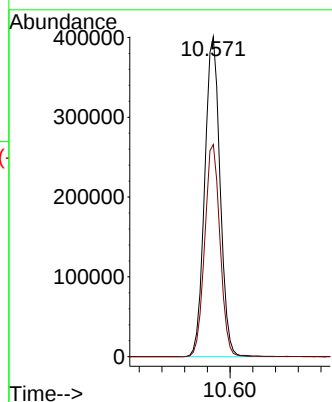
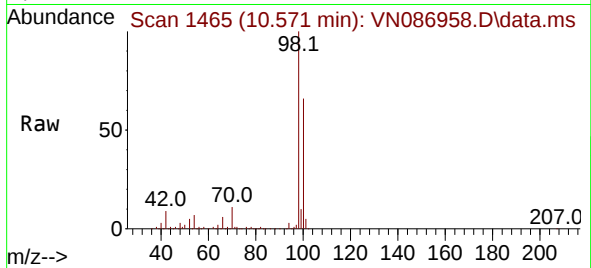




#50
Toluene-d8
Concen: 52.176 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

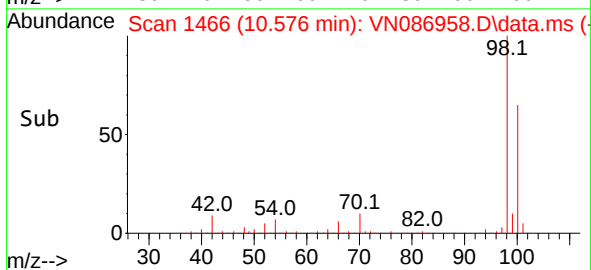
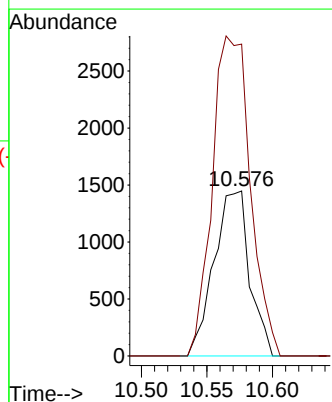
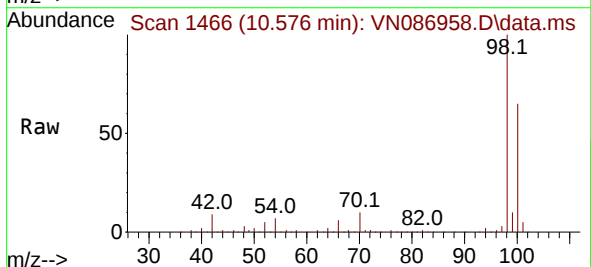
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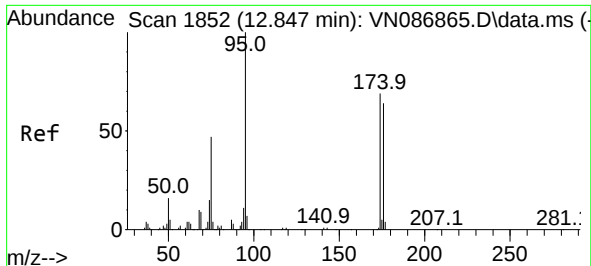
Tgt Ion: 98 Resp: 750685
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.411 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
58 207.0 34.2 51.4#

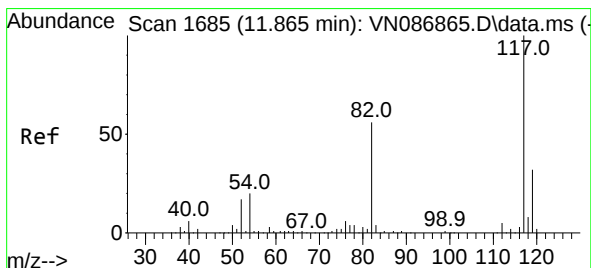
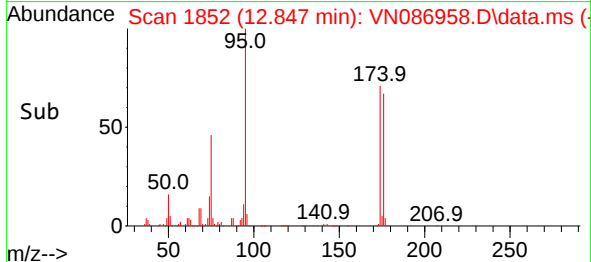
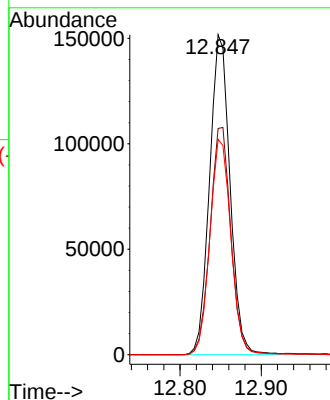
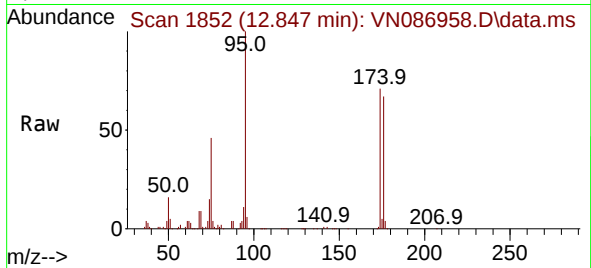




#62
4-Bromofluorobenzene
Concen: 49.671 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

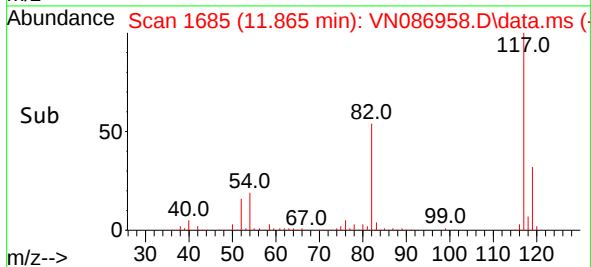
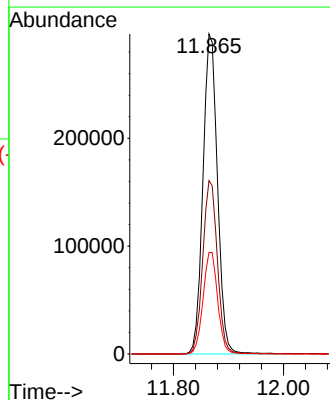
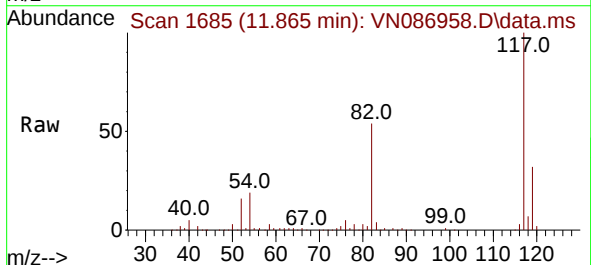
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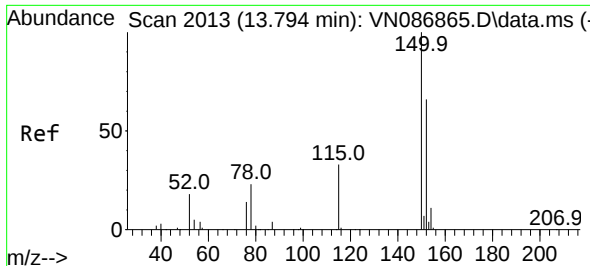
Tgt Ion: 95 Resp: 265515
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 69.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

Tgt Ion: 117 Resp: 544198
Ion Ratio Lower Upper
117 100
82 54.2 44.6 67.0
119 31.8 25.5 38.3

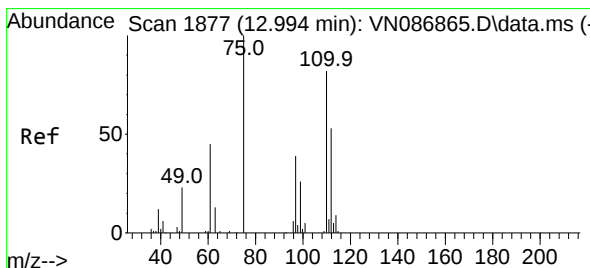
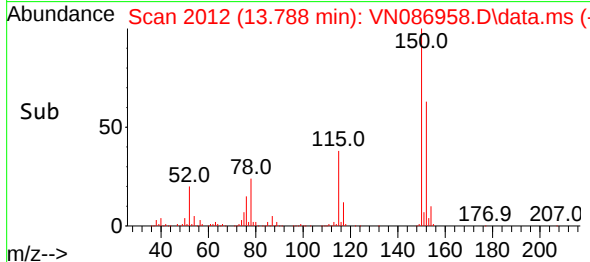
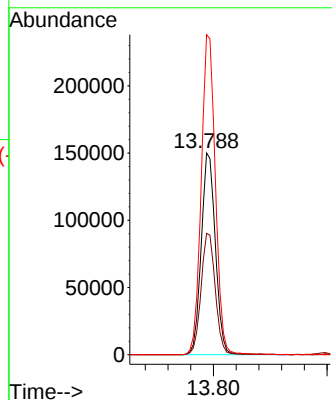
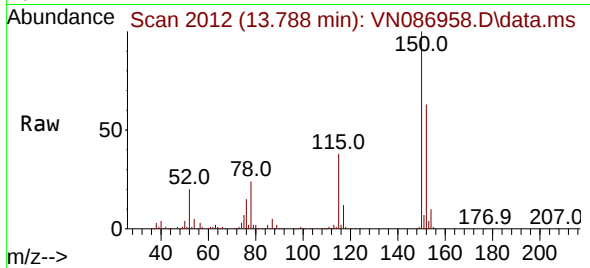




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN086958.D
 Acq: 11 Jun 2025 18:48

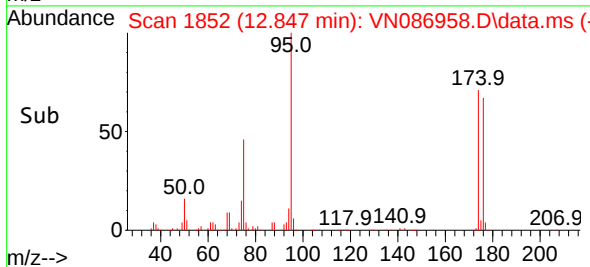
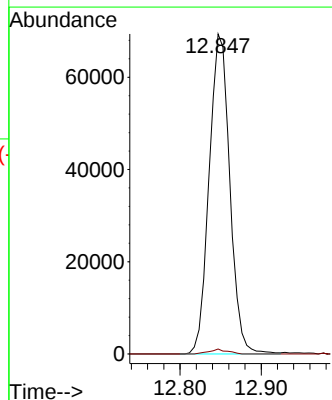
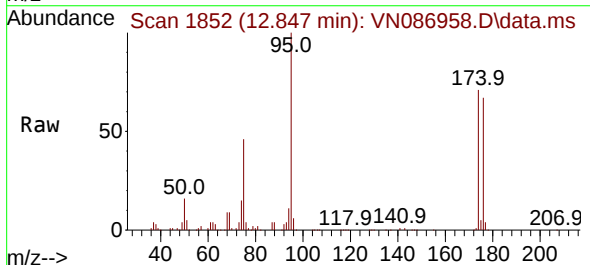
Instrument :
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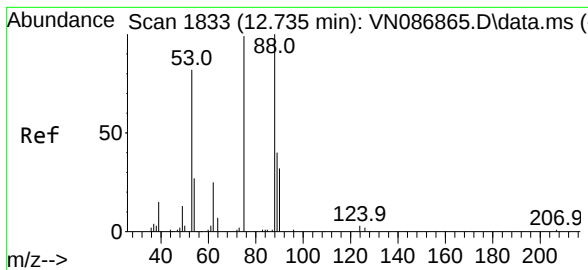
Tgt Ion:152 Resp: 259241
 Ion Ratio Lower Upper
 152 100
 115 60.5 30.1 90.5
 150 158.6 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.902 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086958.D
 Acq: 11 Jun 2025 18:48

Tgt Ion: 75 Resp: 122639
 Ion Ratio Lower Upper
 75 100
 77 1.3 79.3 237.9#

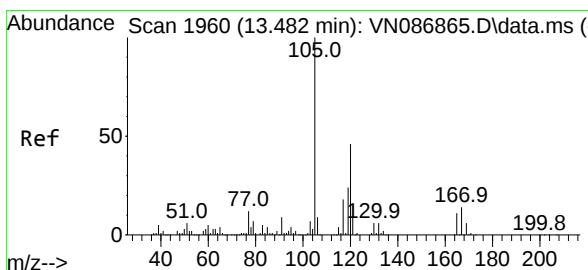
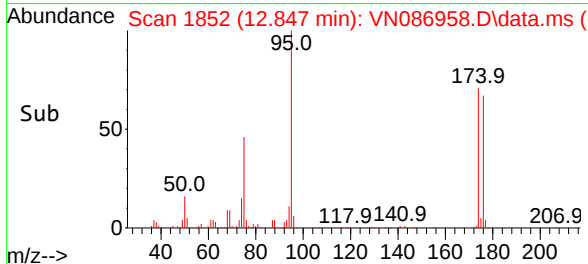
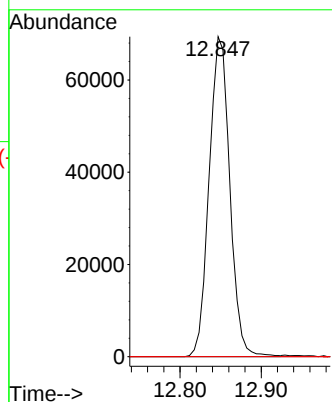
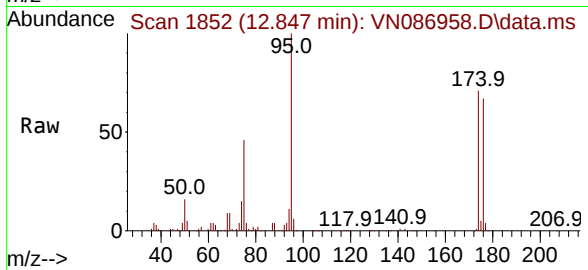




#81
trans-1,4-Dichloro-2-butene
Concen: 45.813 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

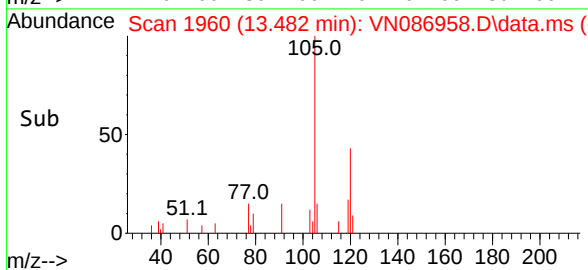
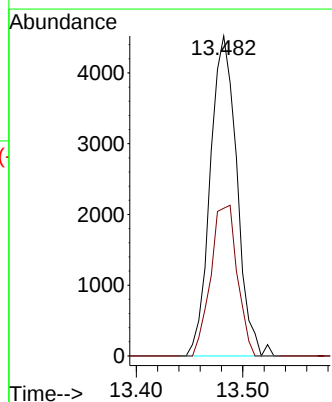
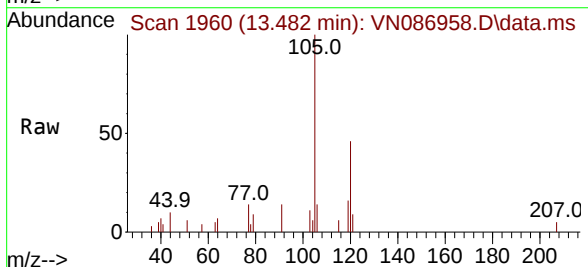
Instrument :
MSVOA_N
ClientSampleId :
TB-20250604

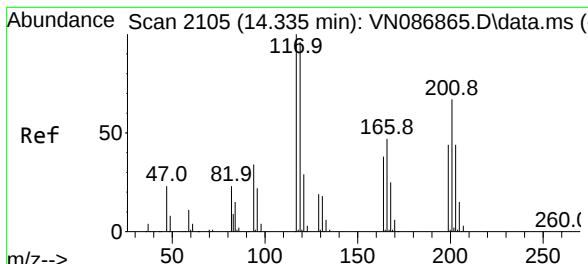
Tgt Ion: 75 Resp: 122639
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.501 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

Tgt Ion: 105 Resp: 7838
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.6

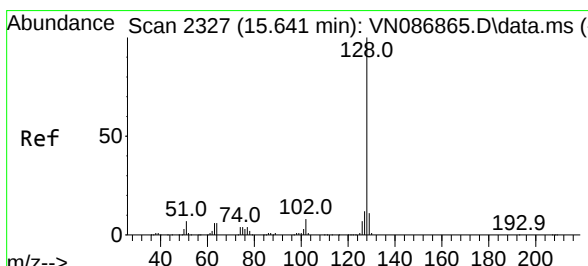
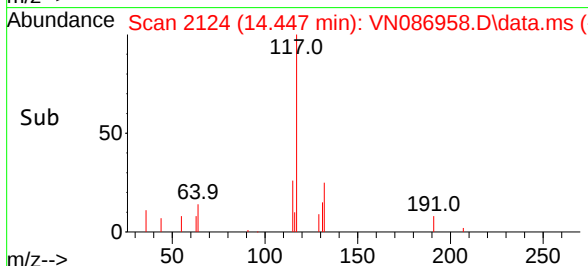
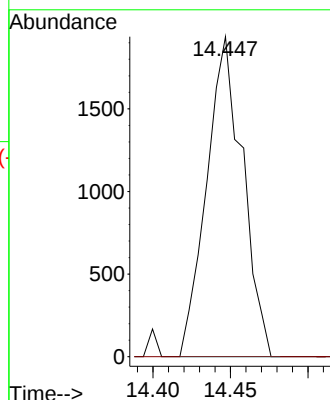
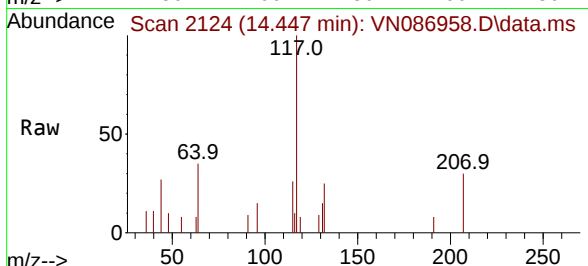




#90
Hexachloroethane
Concen: 1.078 ug/l
RT: 14.447 min Scan# 2105
Delta R.T. 0.112 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

Instrument :
MSVOA_N
ClientSampleId :
TB-20250604

Tgt Ion:117 Resp: 3130
Ion Ratio Lower Upper
117 100
201 0.0 33.2 99.6#



#95
Naphthalene
Concen: 2.647 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN086958.D
Acq: 11 Jun 2025 18:48

Tgt Ion:128 Resp: 51515
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.5 8.8 13.2

