

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086895.D
 Acq On : 09 Jun 2025 11:33
 Operator : JC\MD
 Sample : Q2216-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3865

Quant Time: Jun 09 13:28:07 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)

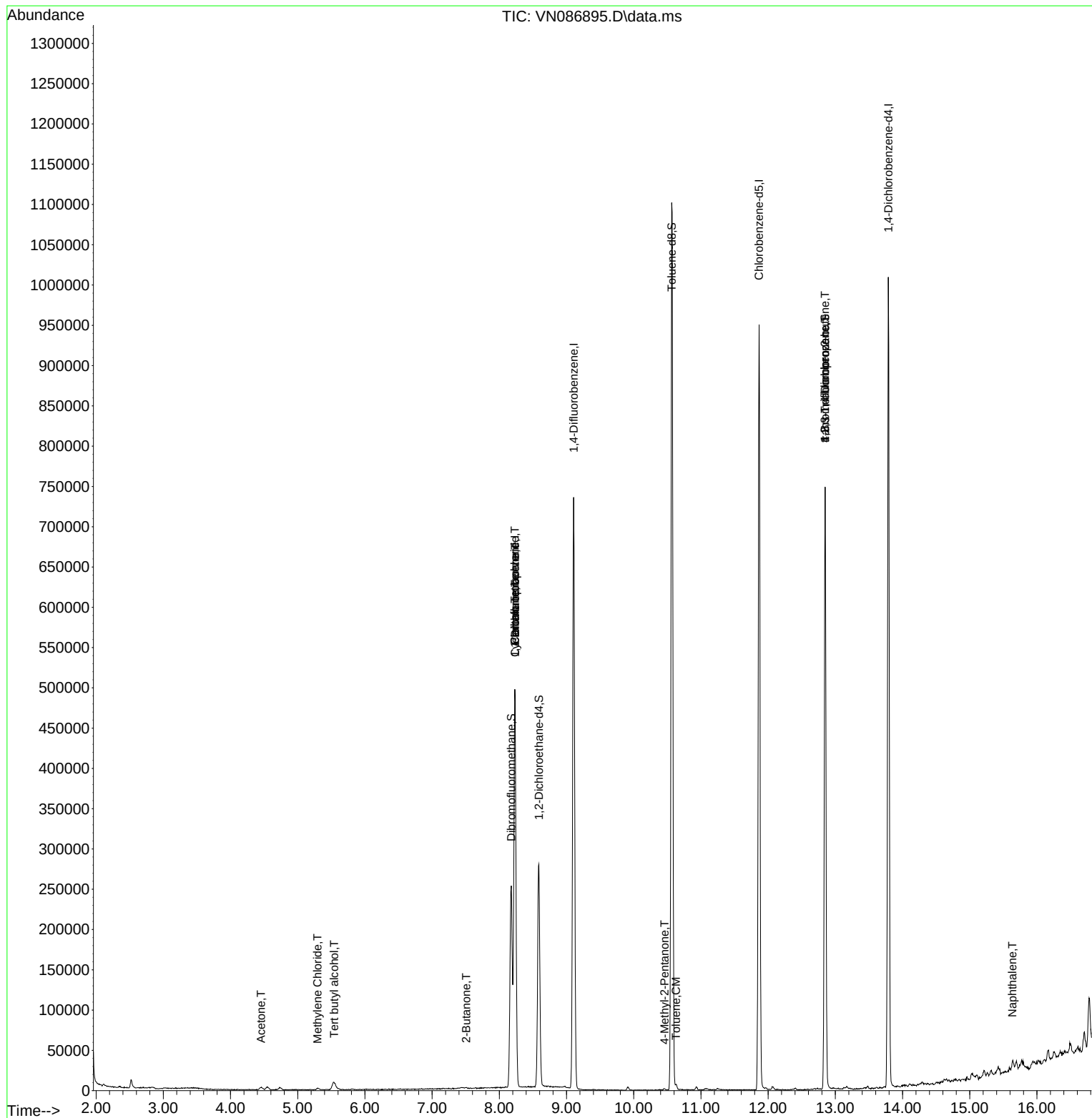
Internal Standards						
1) Pentafluorobenzene	8.230	168	391760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	696305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	603798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	294406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	226237	43.132	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.260%		
35) Dibromofluoromethane	8.177	113	197074	47.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.520%		
50) Toluene-d8	10.565	98	837075	51.242	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.480%		
62) 4-Bromofluorobenzene	12.847	95	298237	49.140	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.280%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.542	59	22113	15.537	ug/l	99
16) Acetone	4.453	43	6650	2.391	ug/l	94
20) Methylene Chloride	5.295	84	1454	0.279	ug/l	87
25) 2-Butanone	7.506	43	1294	0.286	ug/l	92
31) Cyclohexane	8.236	56	6581	0.774	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	29003	4.717	ug/l #	48
38) Carbon Tetrachloride	8.230	117	37884	6.276	ug/l #	17
51) 4-Methyl-2-Pentanone	10.459	43	1606	0.212	ug/l #	59
52) Toluene	10.630	92	2555	0.208	ug/l	95
76) 1,2,3-Trichloropropane	12.847	75	136925	19.566	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	136925	45.040	ug/l #	16
95) Naphthalene	15.635	128	15930	0.721	ug/l	97

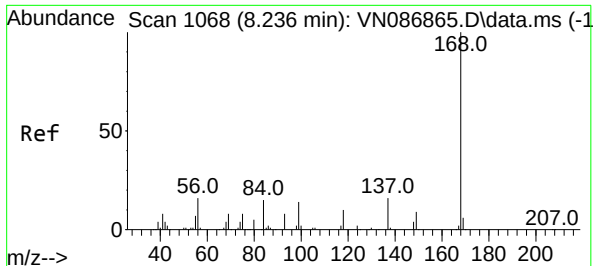
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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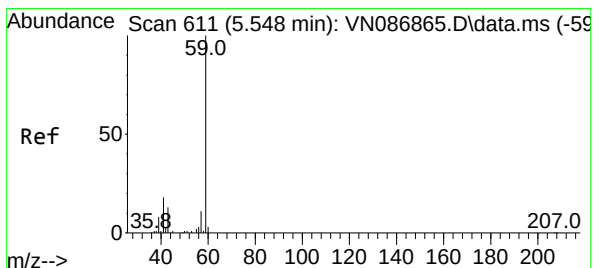
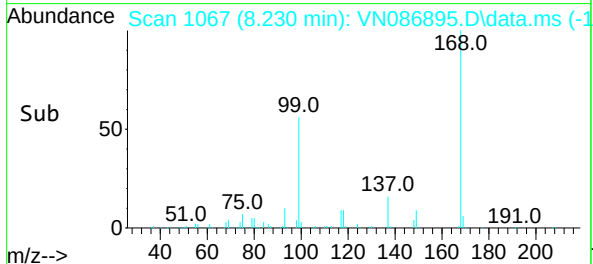
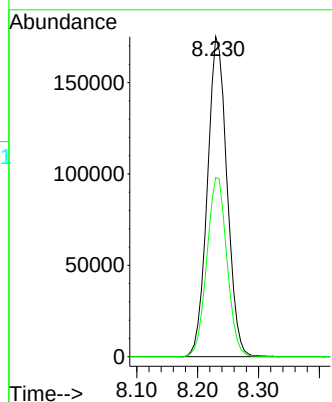
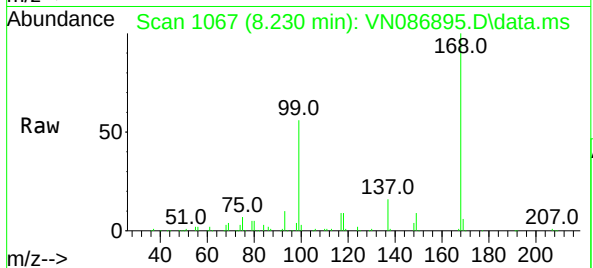




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

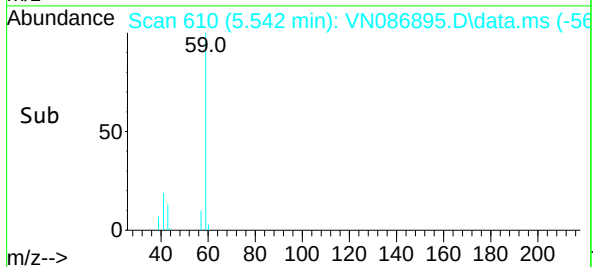
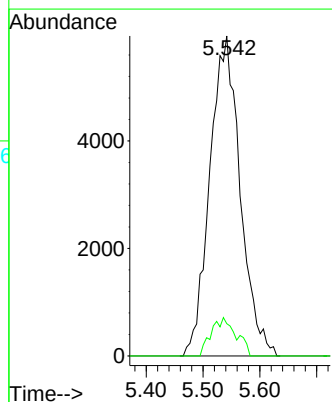
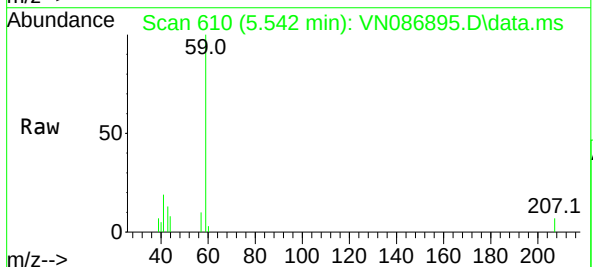
Instrument :
MSVOA_N
ClientSampleId :
3865

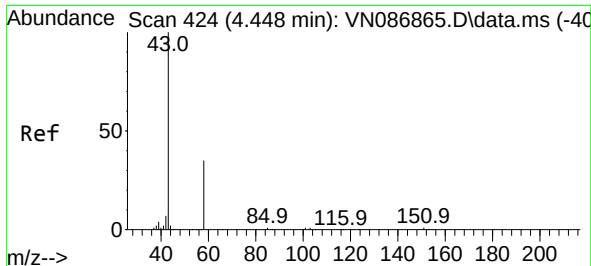
Tgt Ion:168 Resp: 391760
Ion Ratio Lower Upper
168 100
99 56.0 49.1 73.7



#11
Tert butyl alcohol
Concen: 15.537 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

Tgt Ion: 59 Resp: 22113
Ion Ratio Lower Upper
59 100
57 9.8 8.1 12.1

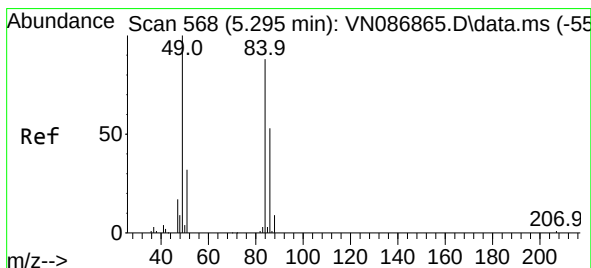
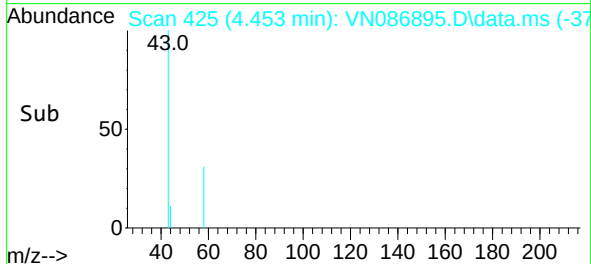
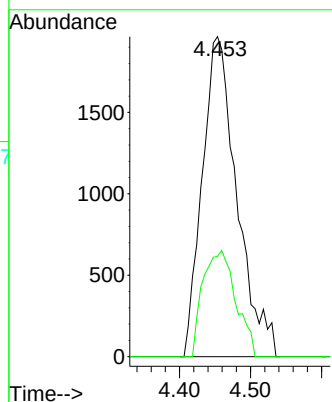
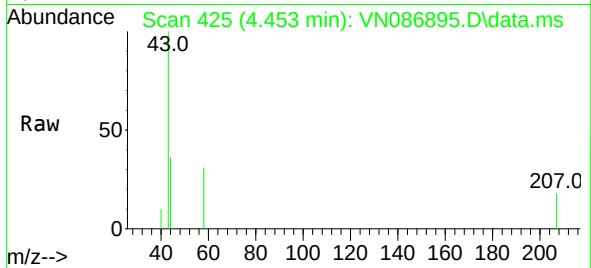




#16
Acetone
Concen: 2.391 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

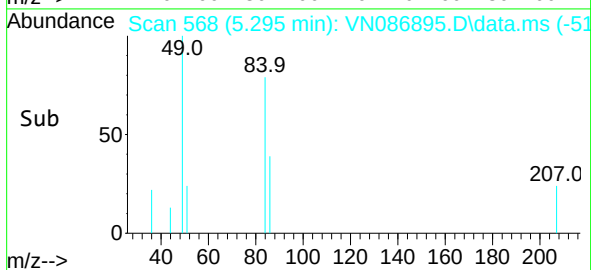
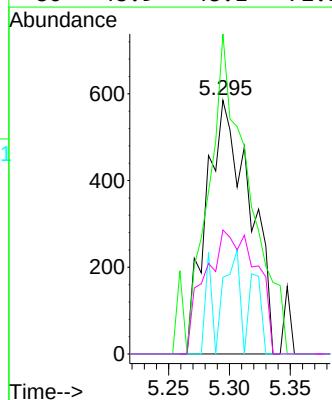
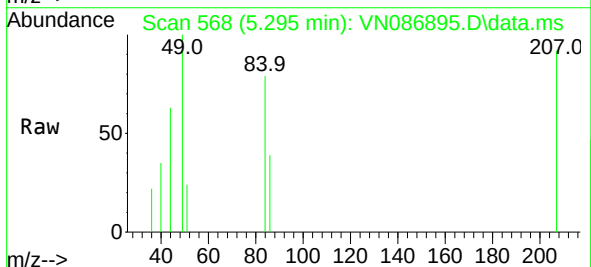
Instrument :
MSVOA_N
ClientSampleId :
3865

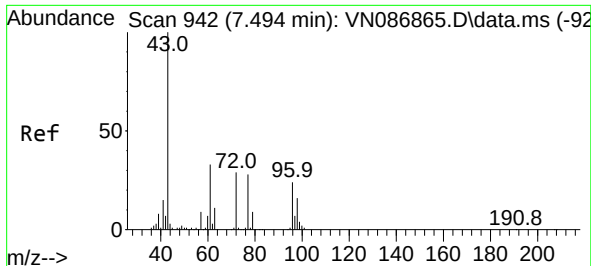
Tgt Ion: 43 Resp: 6650
Ion Ratio Lower Upper
43 100
58 31.3 28.0 42.0



#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 5.295 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

Tgt Ion: 84 Resp: 1454
Ion Ratio Lower Upper
84 100
49 99.1 90.5 135.7
51 30.3 28.5 42.7
86 48.9 48.1 72.1

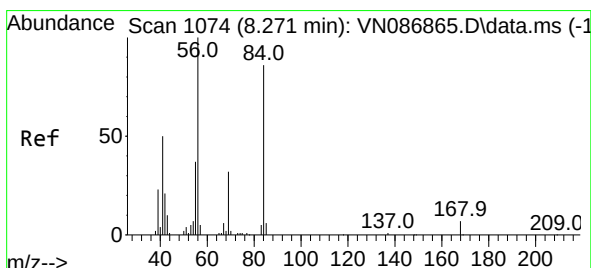
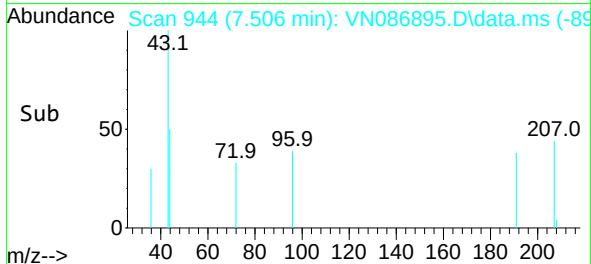
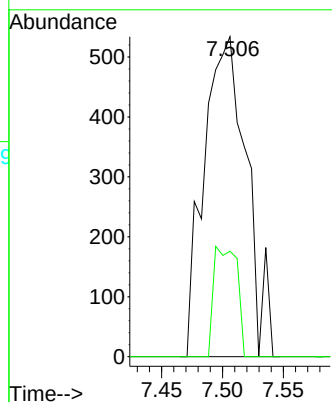
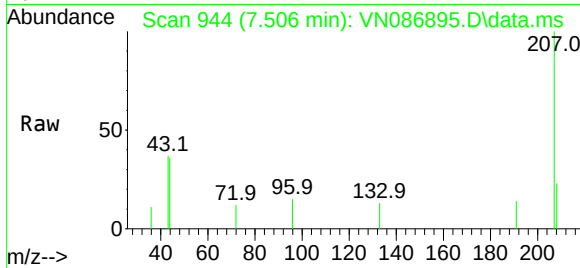




#25
2-Butanone
Concen: 0.286 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

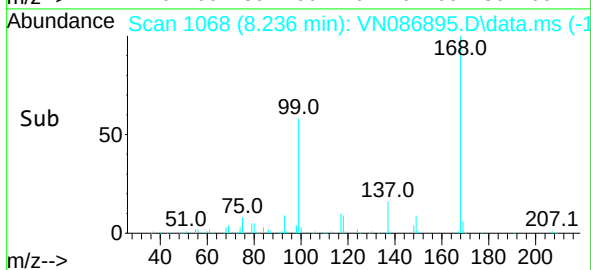
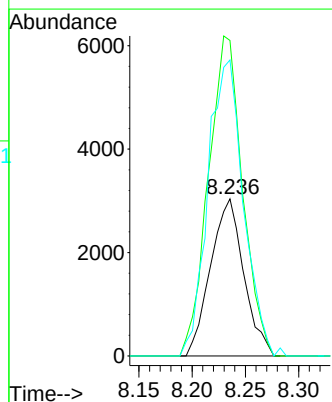
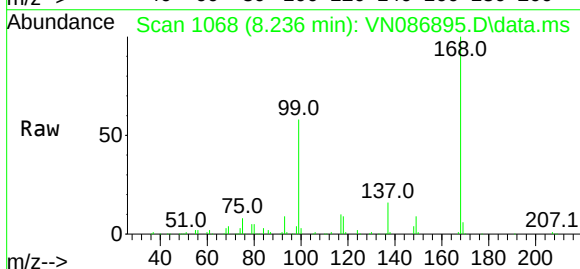
Instrument :
MSVOA_N
ClientSampleId :
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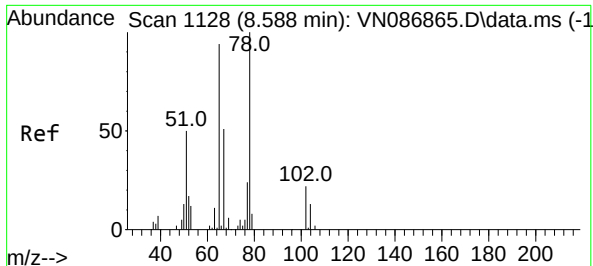
Tgt Ion: 43 Resp: 1294
Ion Ratio Lower Upper
43 100
72 33.0 23.0 34.6



#31
Cyclohexane
Concen: 0.774 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

Tgt Ion: 56 Resp: 6581
Ion Ratio Lower Upper
56 100
69 200.9 25.4 38.0#
84 188.4 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 43.132 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086895.D

Acq: 09 Jun 2025 11:33

Instrument :

MSVOA_N

ClientSampleId :

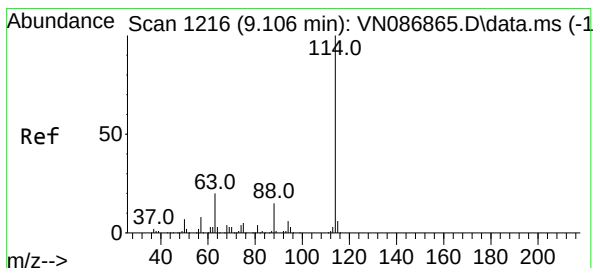
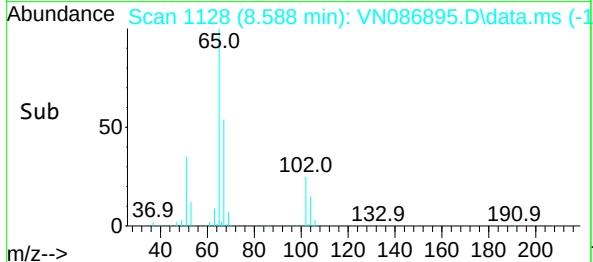
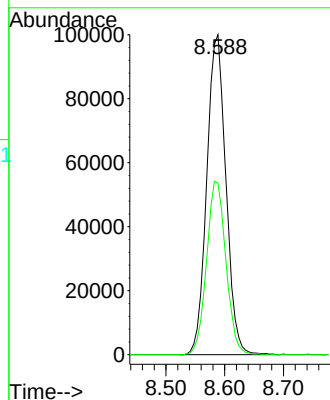
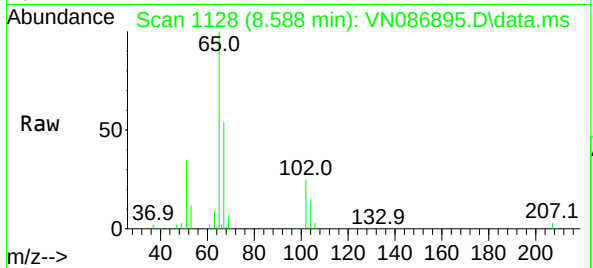
3865

Tgt Ion: 65 Resp: 226237

Ion Ratio Lower Upper

65 100

67 54.8 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: VN086895.D

Acq: 09 Jun 2025 11:33

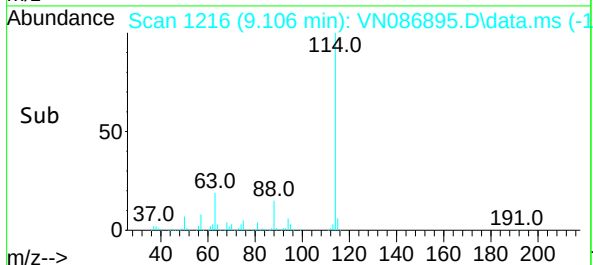
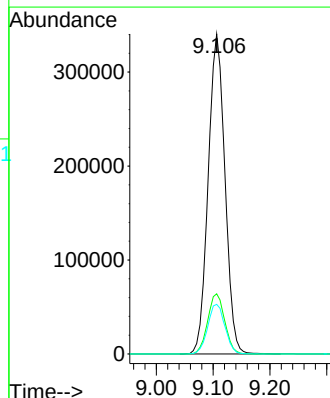
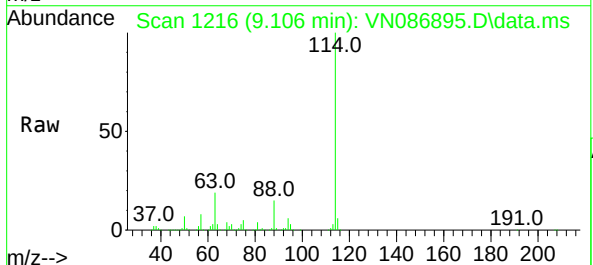
Tgt Ion: 114 Resp: 696305

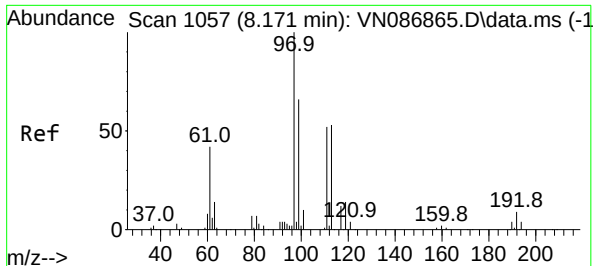
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.759 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086895.D

Acq: 09 Jun 2025 11:33

Instrument :

MSVOA_N

ClientSampleId :

3865

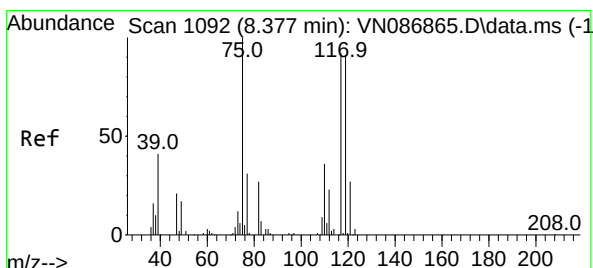
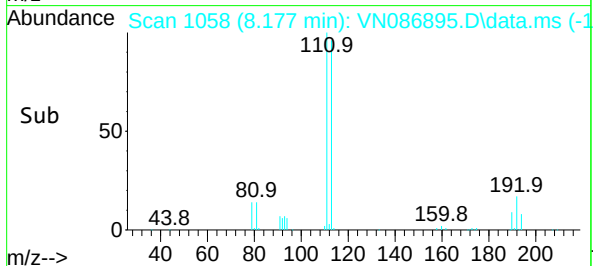
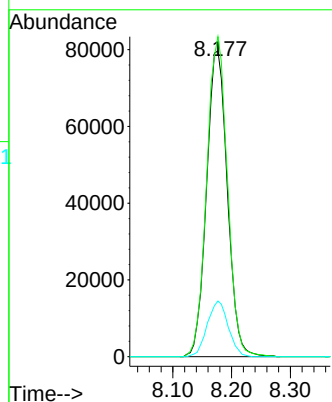
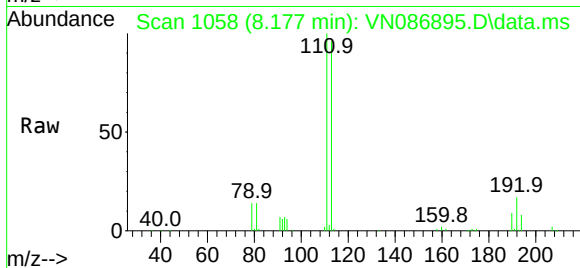
Tgt Ion:113 Resp: 197074

Ion Ratio Lower Upper

113 100

111 103.8 84.2 126.2

192 18.3 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.717 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN086895.D

Acq: 09 Jun 2025 11:33

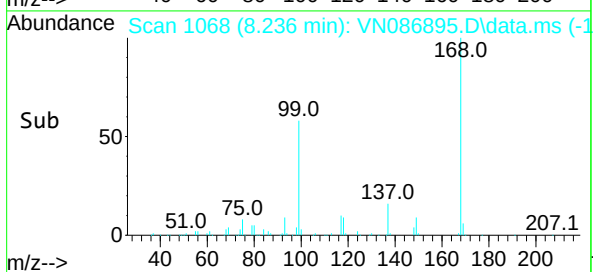
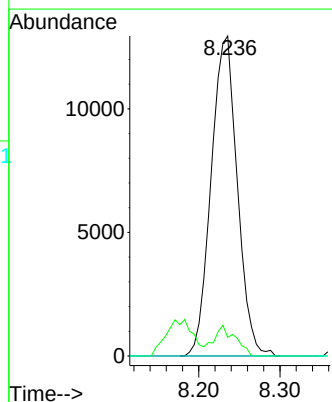
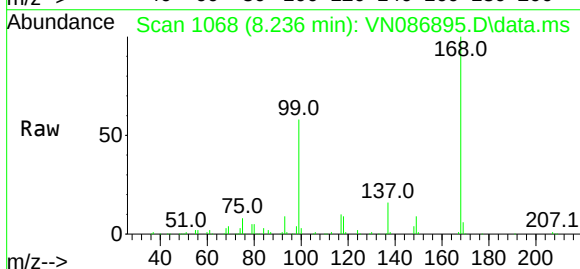
Tgt Ion: 75 Resp: 29003

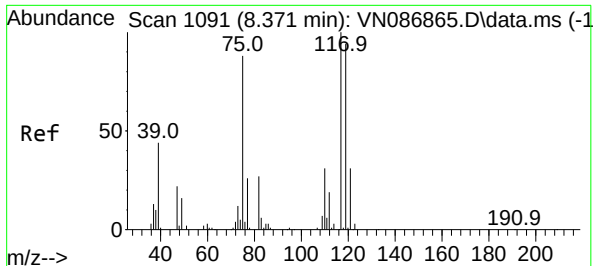
Ion Ratio Lower Upper

75 100

110 7.7 17.6 52.9#

77 0.0 25.3 37.9#

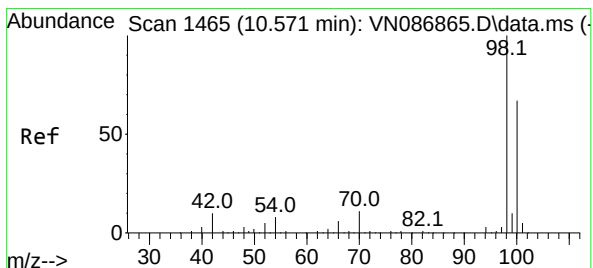
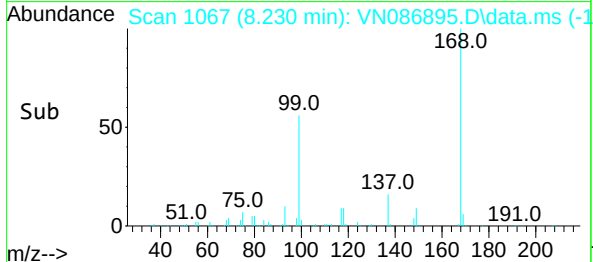
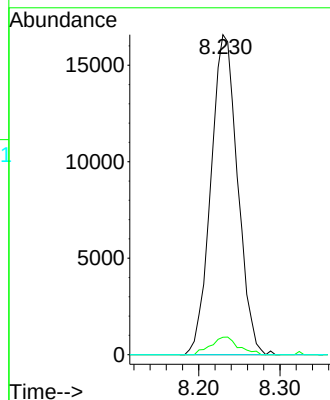
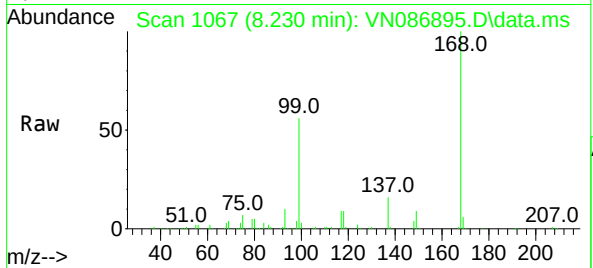




#38
Carbon Tetrachloride
Concen: 6.276 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

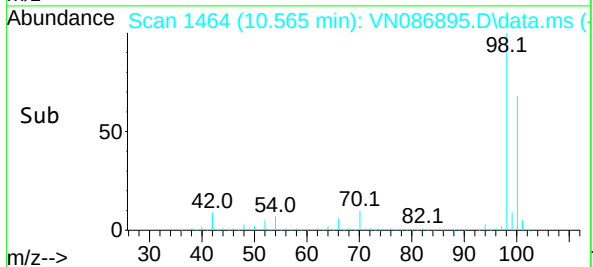
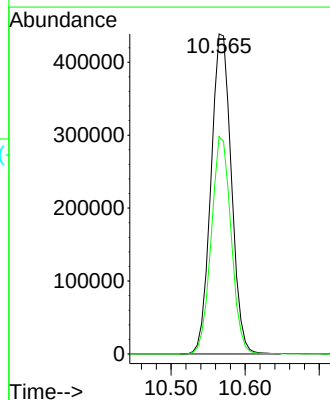
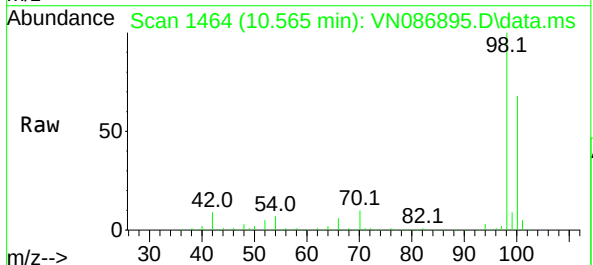
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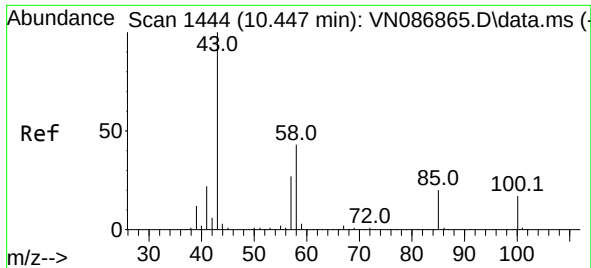
Tgt Ion:117 Resp: 37884
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.242 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

Tgt Ion: 98 Resp: 837075
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0

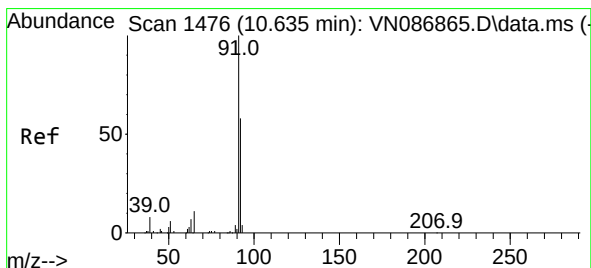
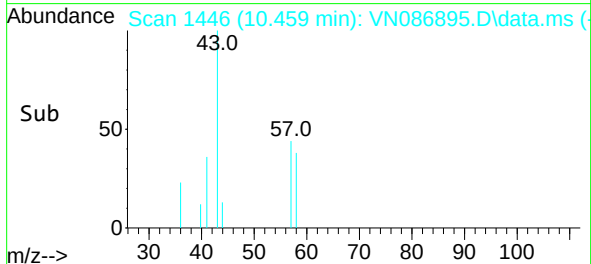
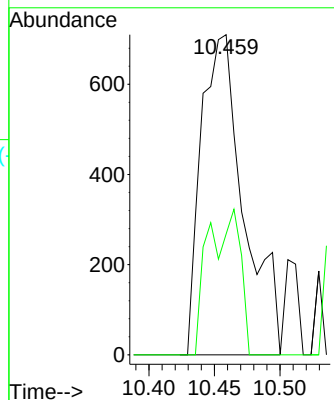
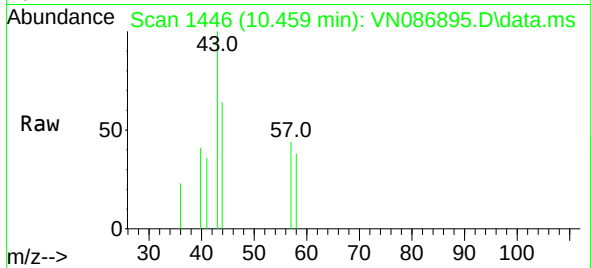




#51
4-Methyl-2-Pentanone
Concen: 0.212 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

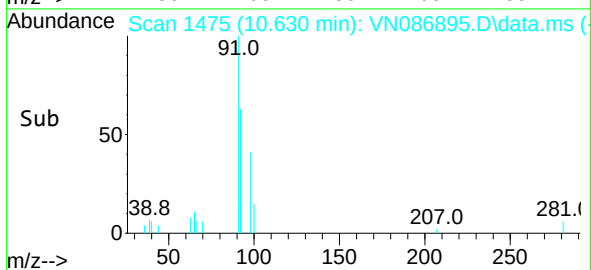
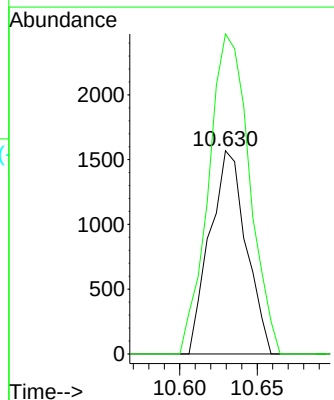
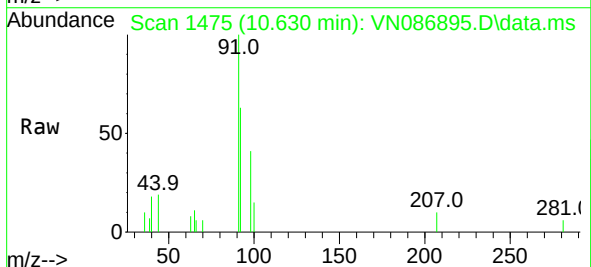
Instrument :
MSVOA_N
ClientSampleId :
3865

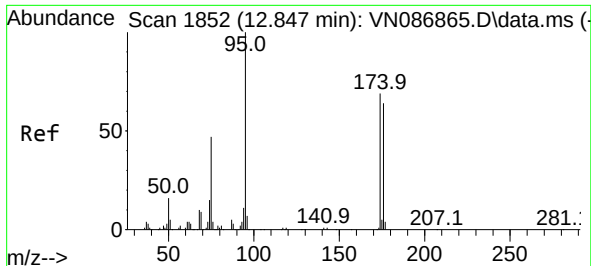
Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
58 16.4 34.2 51.4#



#52
Toluene
Concen: 0.208 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

Tgt Ion: 92 Resp: 2555
Ion Ratio Lower Upper
92 100
91 177.2 136.5 204.7

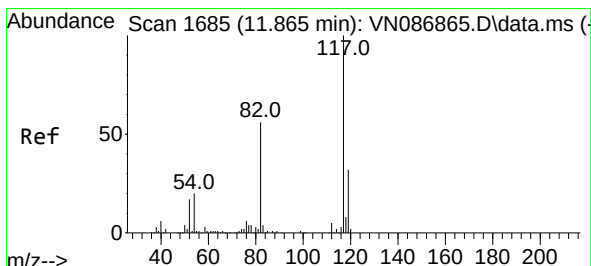
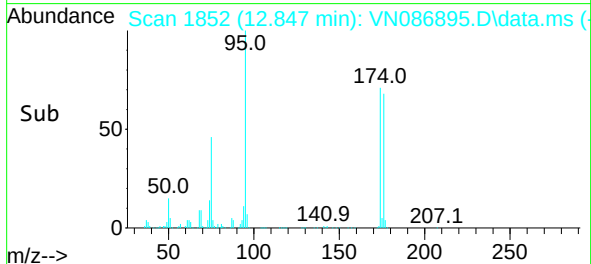
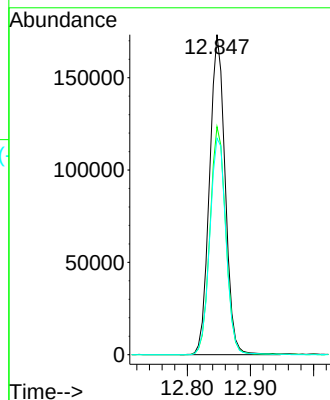
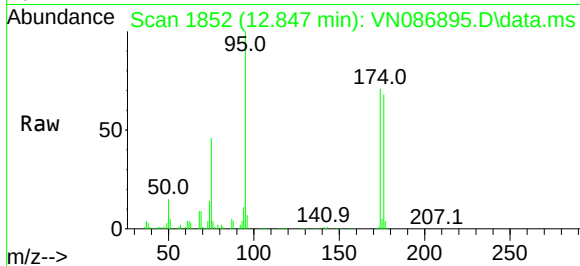




#62
4-Bromofluorobenzene
Concen: 49.140 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

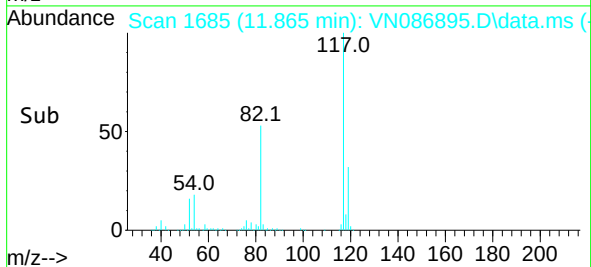
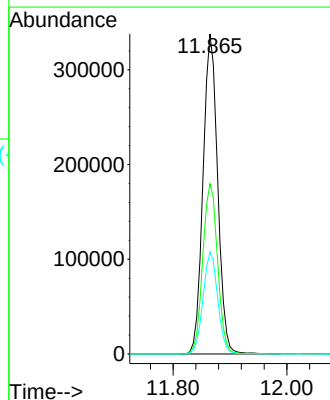
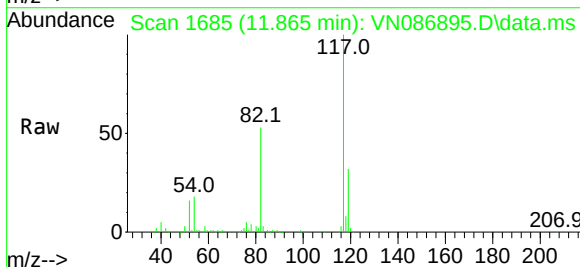
Instrument :
MSVOA_N
ClientSampleId :
3865

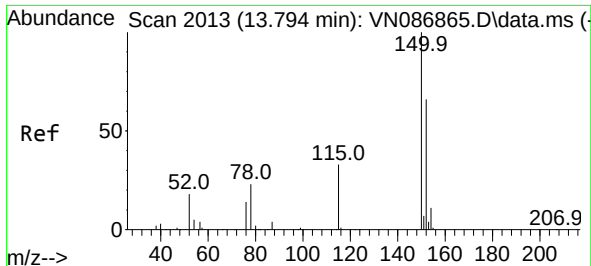
Tgt Ion: 95 Resp: 298237
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.8
176 69.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

Tgt Ion: 117 Resp: 603798
Ion Ratio Lower Upper
117 100
82 53.2 44.6 67.0
119 31.9 25.5 38.3

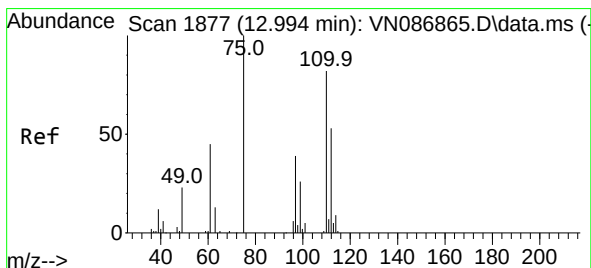
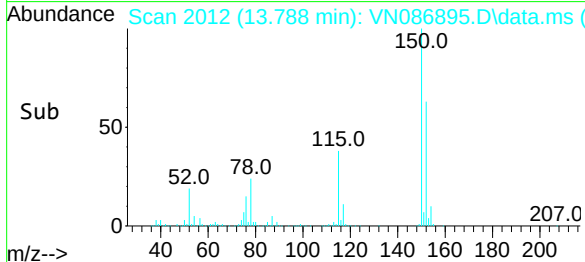
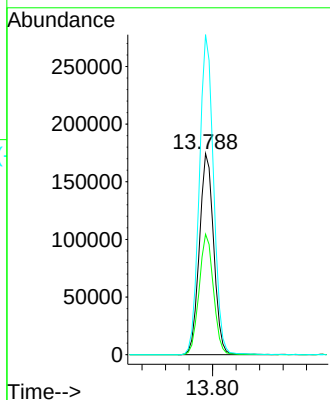
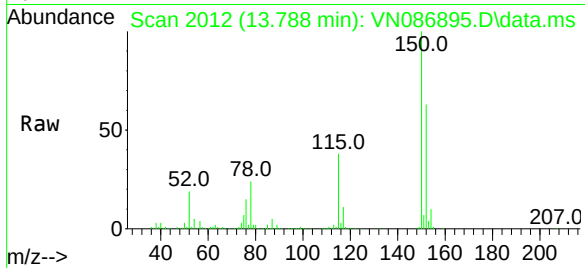




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

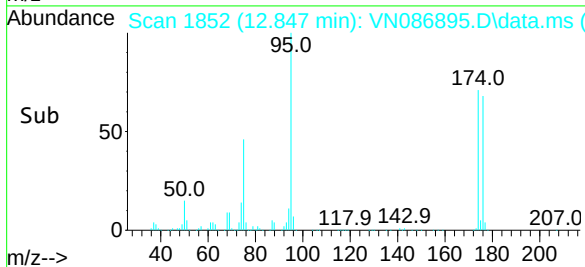
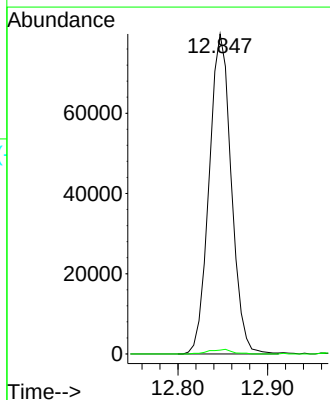
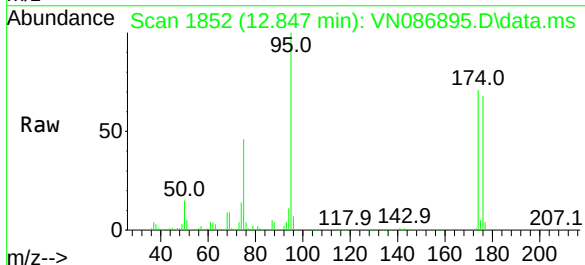
Instrument :
MSVOA_N
ClientSampleId :
3865

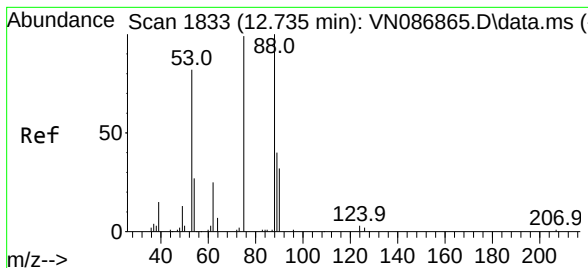
Tgt Ion:152 Resp: 294406
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.5
150 158.5 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.566 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086895.D
Acq: 09 Jun 2025 11:33

Tgt Ion: 75 Resp: 136925
Ion Ratio Lower Upper
75 100
77 1.5 79.3 237.9#

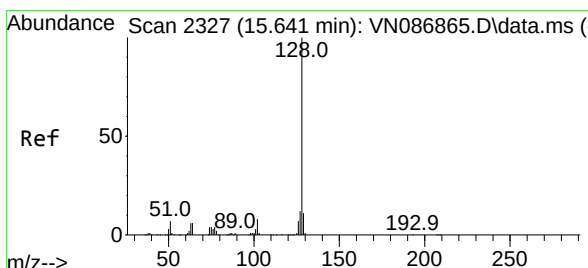
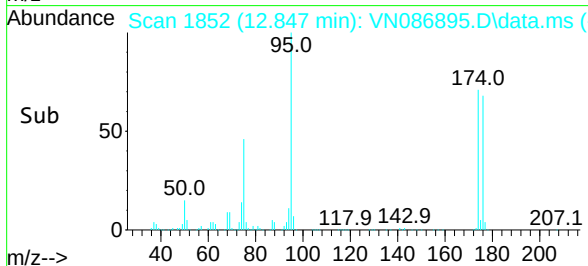
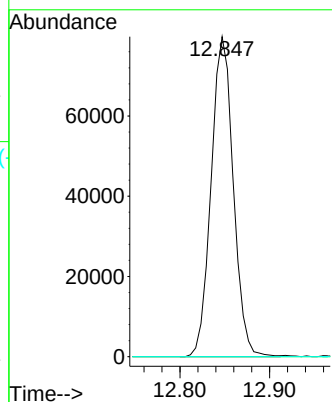
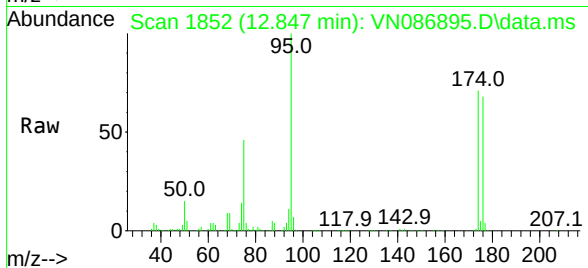




#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.040 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN086895.D
 Acq: 09 Jun 2025 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 3865

Tgt Ion: 75 Resp: 136925
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#



#95
 Naphthalene
 Concen: 0.721 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.006 min
 Lab File: VN086895.D
 Acq: 09 Jun 2025 11:33

Tgt Ion:128 Resp: 15930
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.2 15.2
 129 12.7 8.8 13.2

