

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086879.D
 Acq On : 06 Jun 2025 20:13
 Operator : JC\MD
 Sample : Q2216-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3865

Quant Time: Jun 07 02:30:43 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

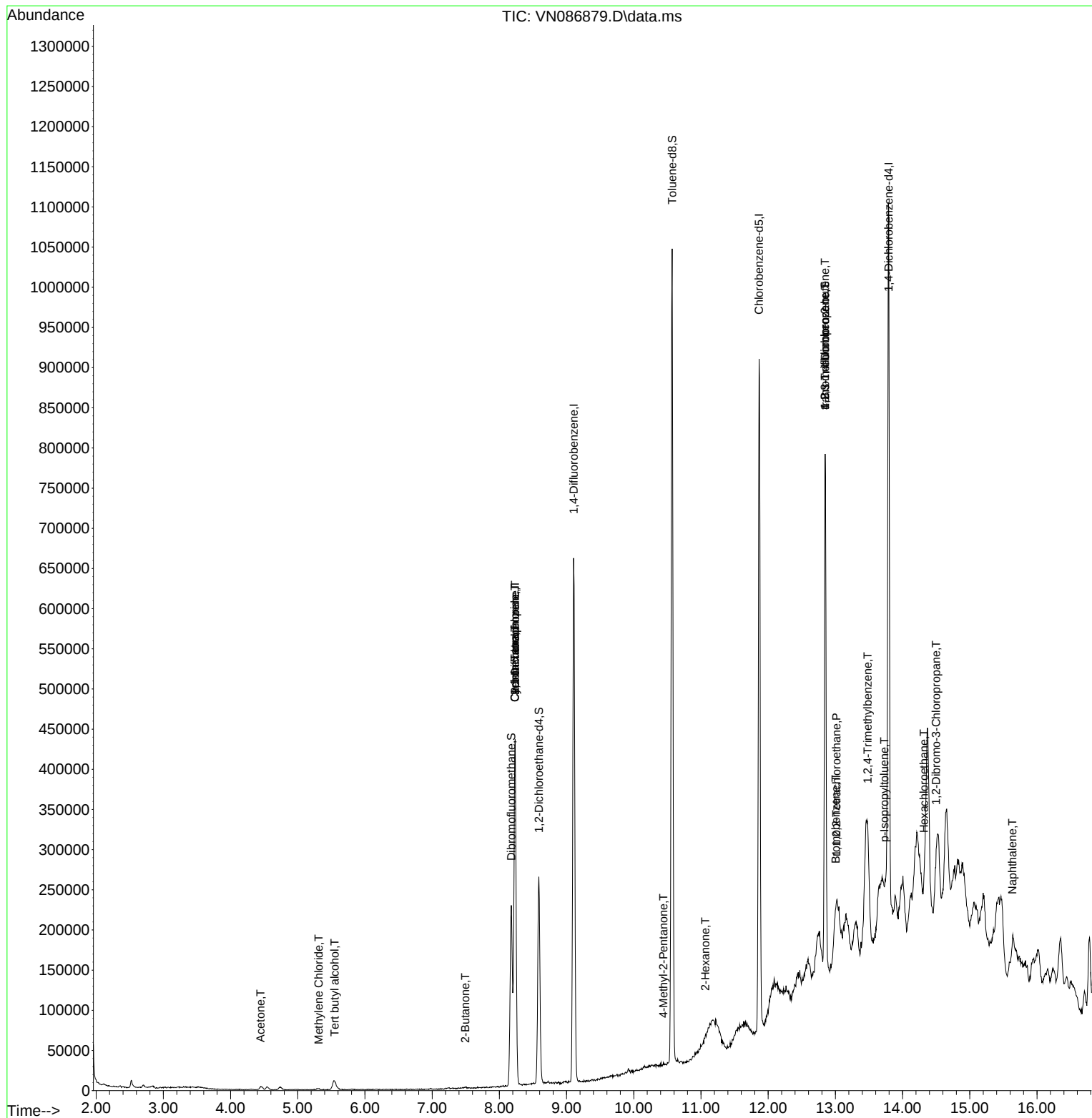
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	334776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	602082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	526101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	256470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	208275	46.466	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	92.940%	
35) Dibromofluoromethane	8.177	113	172503	48.346	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	96.700%	
50) Toluene-d8	10.571	98	729350	51.635	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	103.280%	
62) 4-Bromofluorobenzene	12.847	95	263968	50.300	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	100.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	25417	20.898	ug/l	95
16) Acetone	4.447	43	9389	3.950	ug/l	97
20) Methylene Chloride	5.312	84	1369	0.308	ug/l #	78
25) 2-Butanone	7.494	43	2548	0.659	ug/l #	89
31) Cyclohexane	8.230	56	7047	0.969	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	26628	5.008	ug/l #	49
38) Carbon Tetrachloride	8.230	117	33393	6.397	ug/l #	17
51) 4-Methyl-2-Pentanone	10.441	43	2481	0.379	ug/l	91
59) 2-Hexanone	11.065	43	2548	0.605	ug/l	83
75) 1,1,2,2-Tetrachloroethane	13.017	83	28178	4.452	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	123588	20.272	ug/l #	1
77) Bromobenzene	13.006	156	2976	0.695	ug/l #	31
81) trans-1,4-Dichloro-2-b...	12.847	75	123588	46.666	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	3462	0.224	ug/l	78
86) p-Isopropyltoluene	13.729	119	4097	0.242	ug/l #	76
90) Hexachloroethane	14.317	117	1078	0.375	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.500	75	482	0.318	ug/l	75
95) Naphthalene	15.635	128	44948	2.335	ug/l #	87

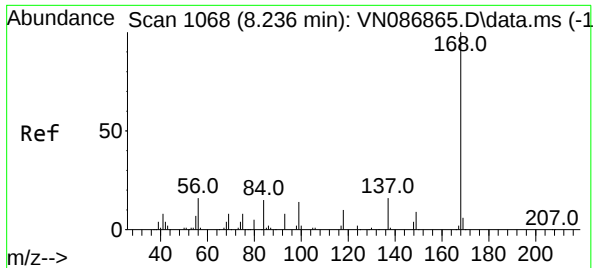
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086879.D
Acq On : 06 Jun 2025 20:13
Operator : JC\MD
Sample : Q2216-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
3865

Quant Time: Jun 07 02:30:43 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

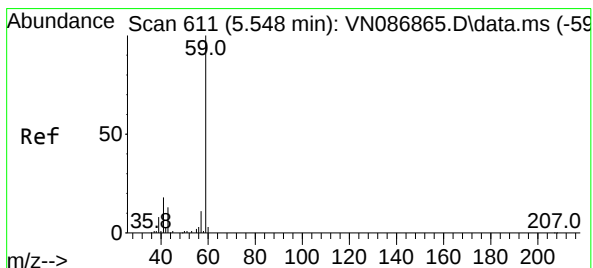
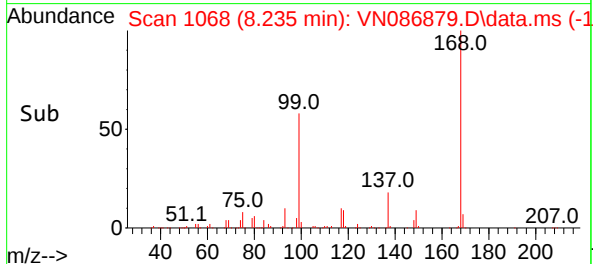
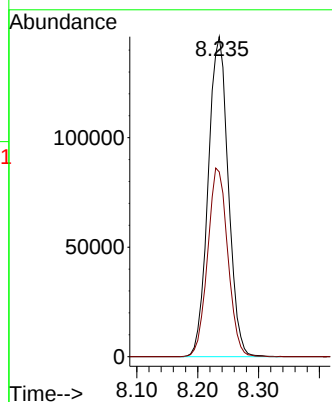
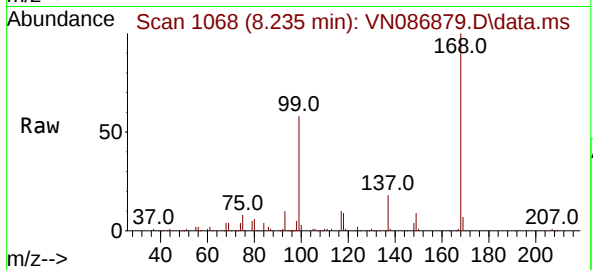




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

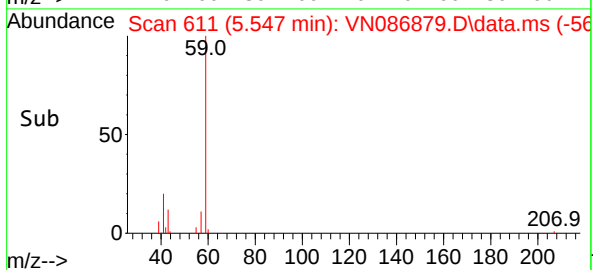
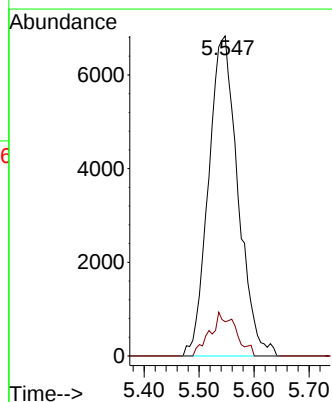
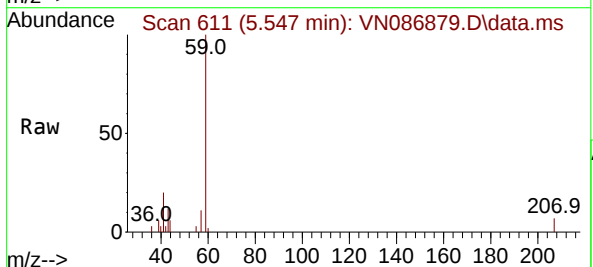
Instrument :
MSVOA_N
ClientSampleId :
3865

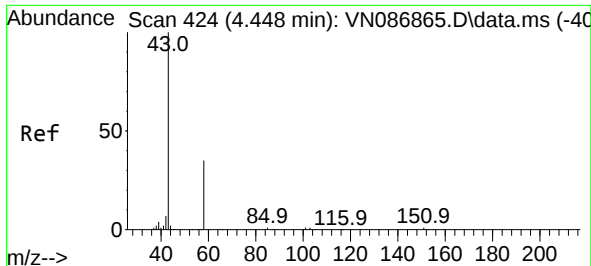
Tgt Ion:168 Resp: 334776
Ion Ratio Lower Upper
168 100
99 57.8 49.1 73.7



#11
Tert butyl alcohol
Concen: 20.898 ug/l
RT: 5.547 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 59 Resp: 25417
Ion Ratio Lower Upper
59 100
57 11.8 8.1 12.1

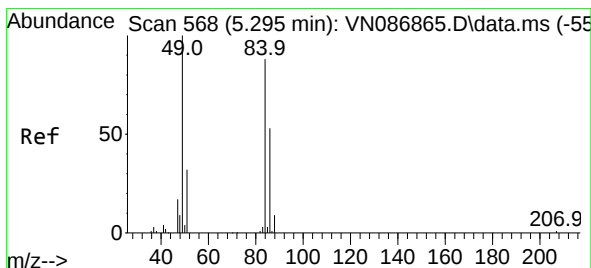
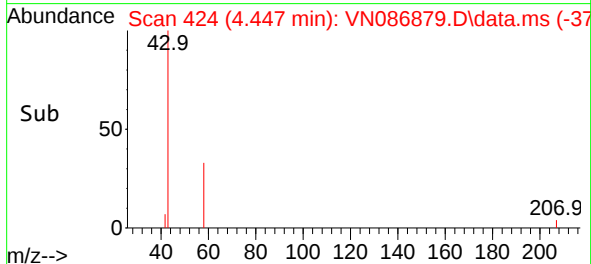
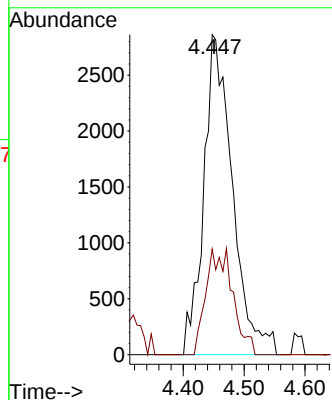
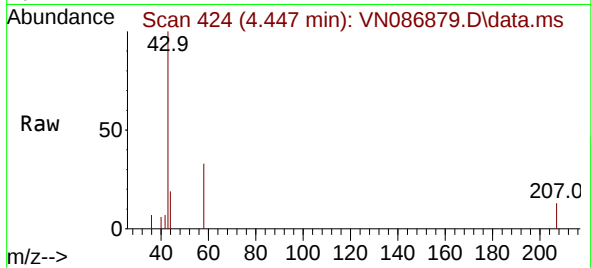




#16
Acetone
Concen: 3.950 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

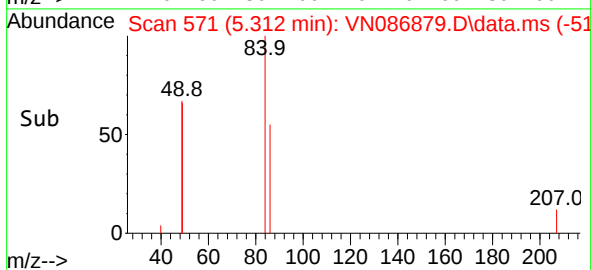
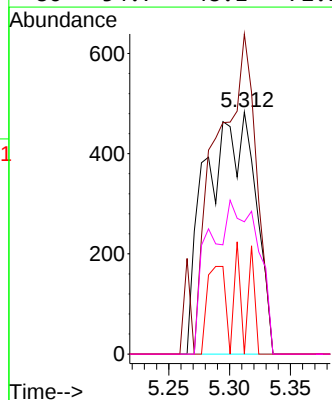
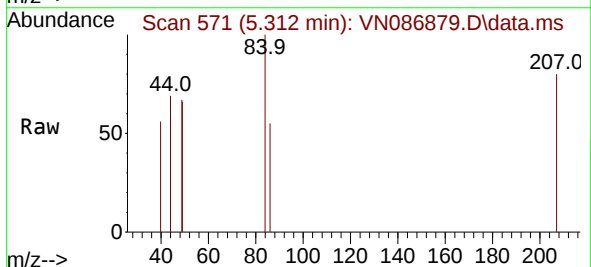
Instrument :
MSVOA_N
ClientSampleId :
3865

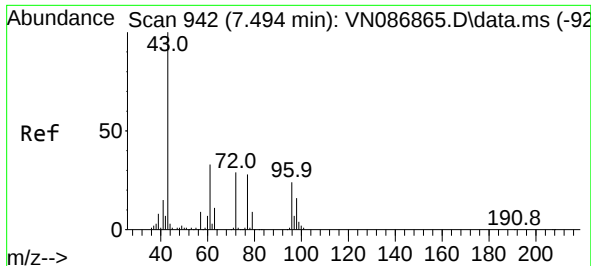
Tgt Ion: 43 Resp: 9389
Ion Ratio Lower Upper
43 100
58 33.0 28.0 42.0



#20
Methylene Chloride
Concen: 0.308 ug/l
RT: 5.312 min Scan# 571
Delta R.T. 0.018 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 84 Resp: 1369
Ion Ratio Lower Upper
84 100
49 132.3 90.5 135.7
51 0.0 28.5 42.7#
86 54.7 48.1 72.1

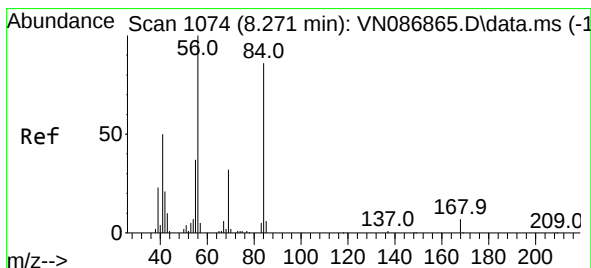
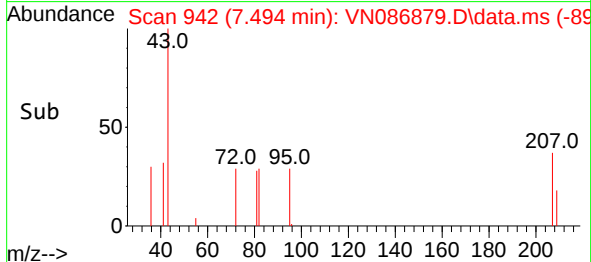
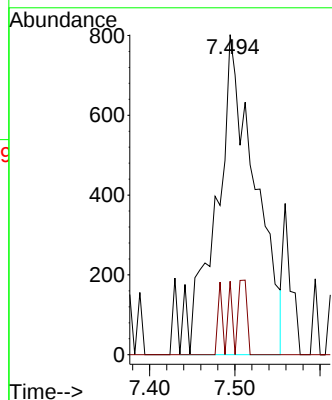
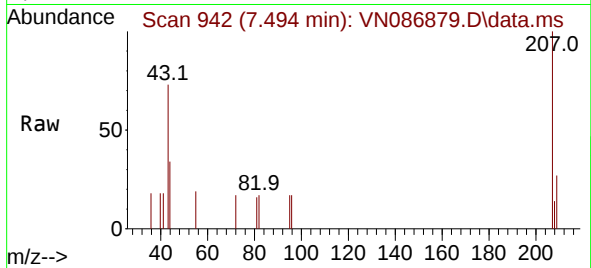




#25
2-Butanone
Concen: 0.659 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

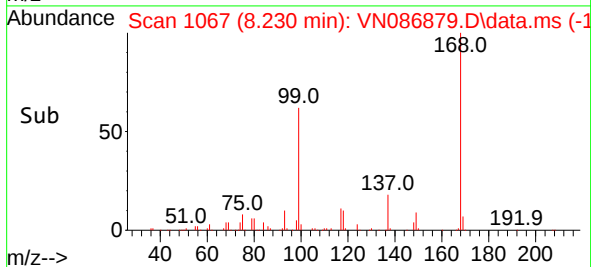
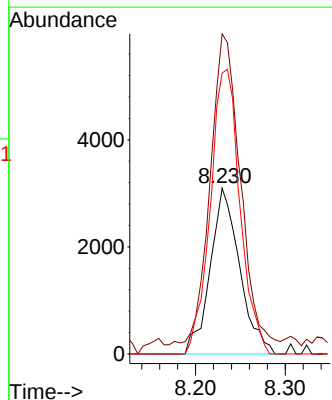
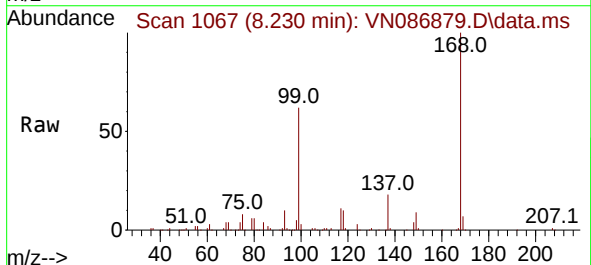
Instrument :
MSVOA_N
ClientSampleId :
3865

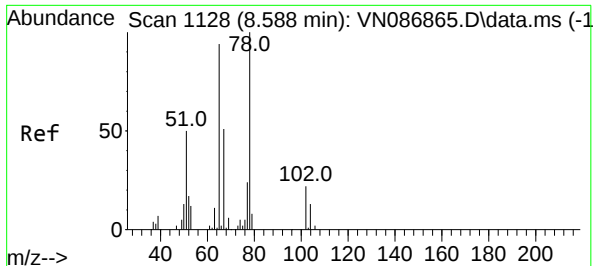
Tgt Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
72 22.9 23.0 34.6#



#31
Cyclohexane
Concen: 0.969 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 56 Resp: 7047
Ion Ratio Lower Upper
56 100
69 186.3 25.4 38.0#
84 169.3 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 46.466 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086879.D

Acq: 06 Jun 2025 20:13

Instrument :

MSVOA_N

ClientSampleId :

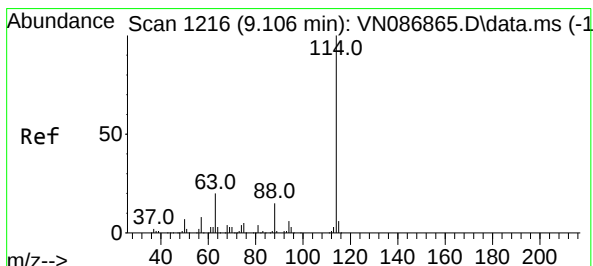
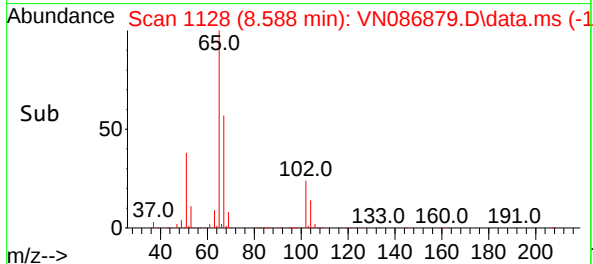
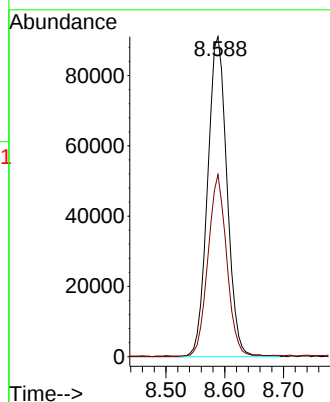
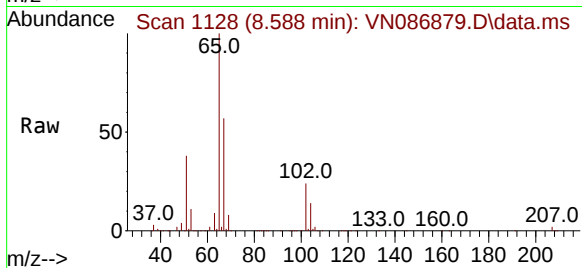
3865

Tgt Ion: 65 Resp: 208275

Ion Ratio Lower Upper

65 100

67 54.5 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: VN086879.D

Acq: 06 Jun 2025 20:13

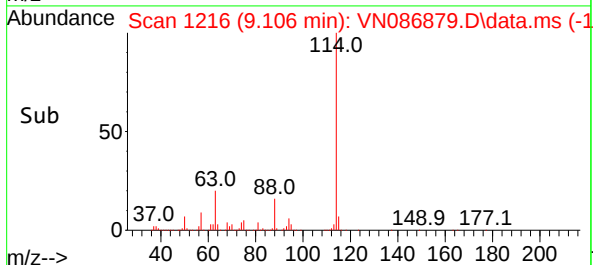
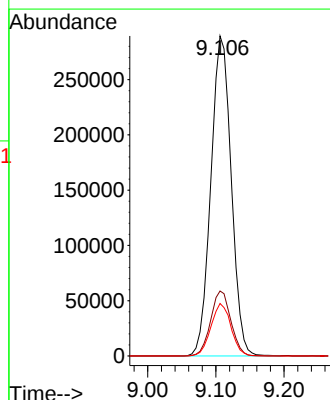
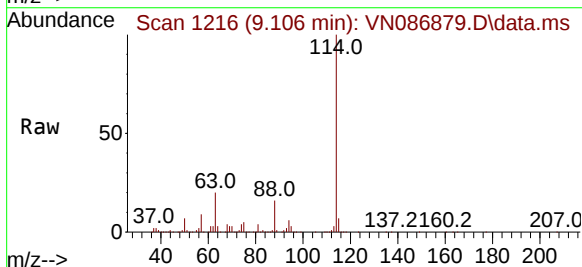
Tgt Ion: 114 Resp: 602082

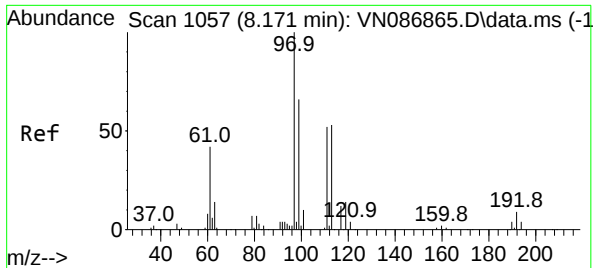
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 16.4 0.0 30.2

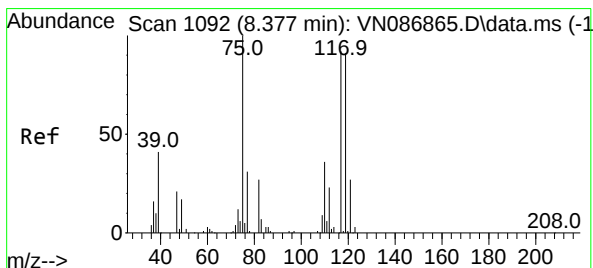
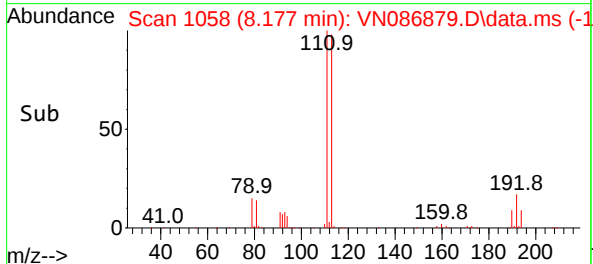
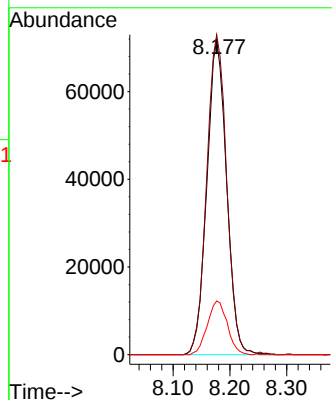
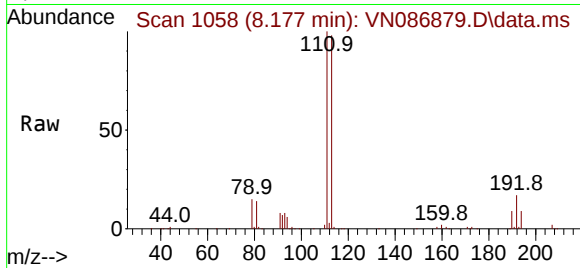




#35
Dibromofluoromethane
Concen: 48.346 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

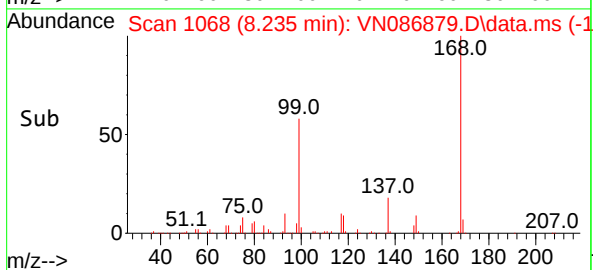
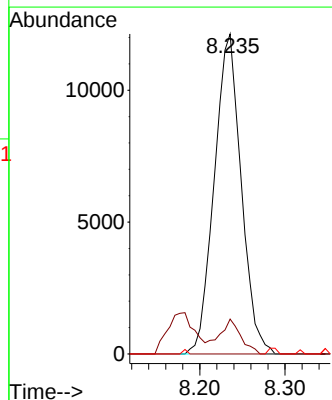
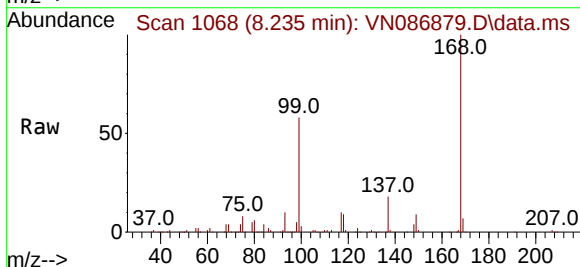
Instrument :
MSVOA_N
ClientSampleId :
3865

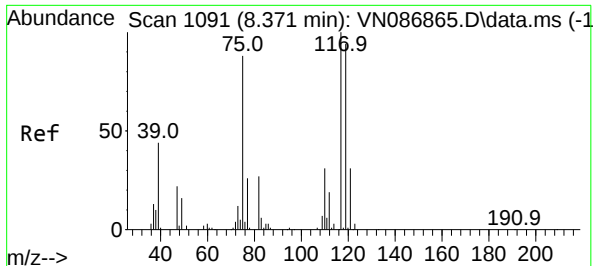
Tgt Ion:113 Resp: 172503
Ion Ratio Lower Upper
113 100
111 103.2 84.2 126.2
192 17.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 5.008 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 75 Resp: 26628
Ion Ratio Lower Upper
75 100
110 8.2 17.6 52.9#
77 0.0 25.3 37.9#

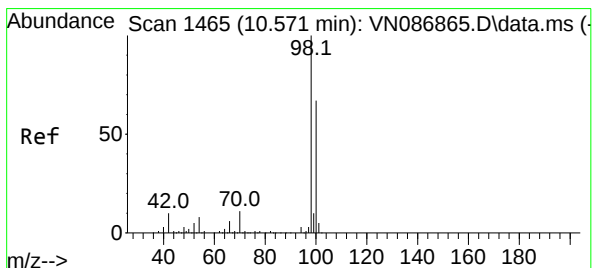
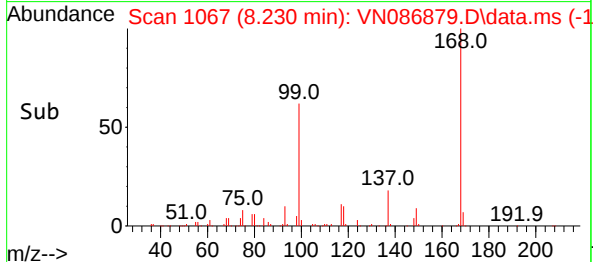
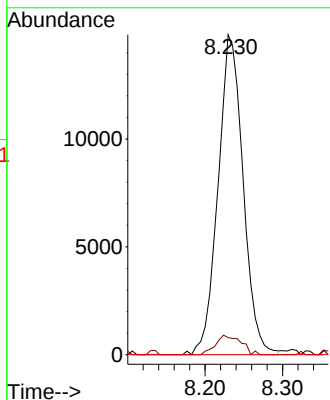
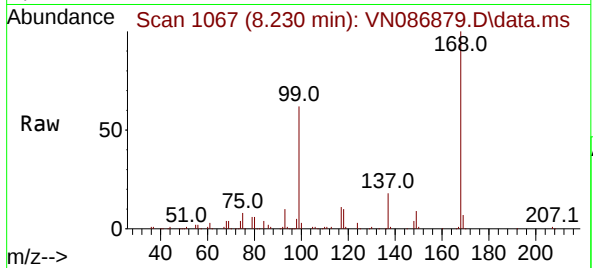




#38
Carbon Tetrachloride
Concen: 6.397 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

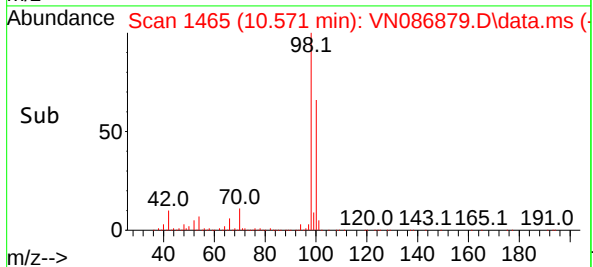
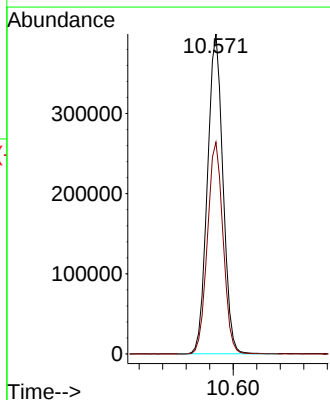
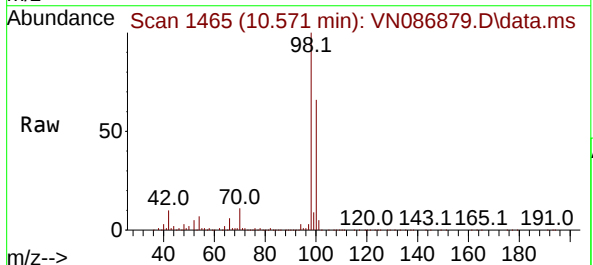
Instrument :
MSVOA_N
ClientSampleId :
3865

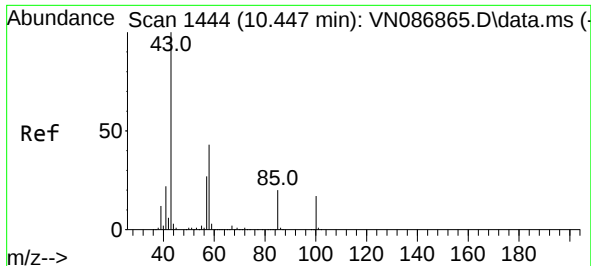
Tgt Ion:117 Resp: 33393
Ion Ratio Lower Upper
117 100
119 5.4 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.635 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 98 Resp: 729350
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0

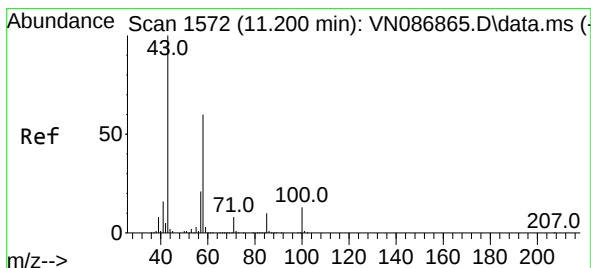
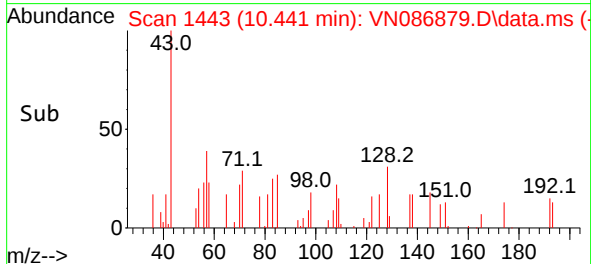
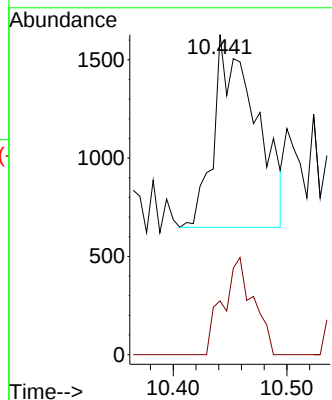
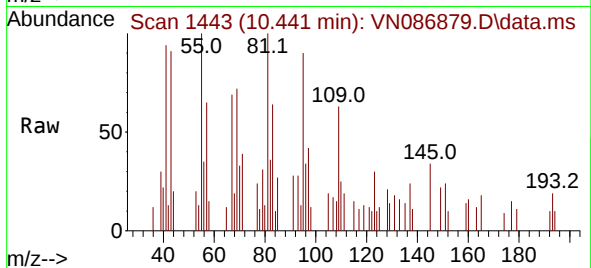




#51
4-Methyl-2-Pentanone
Concen: 0.379 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

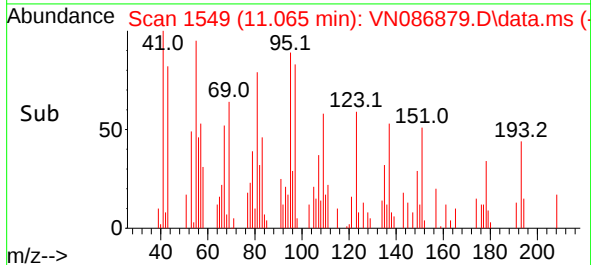
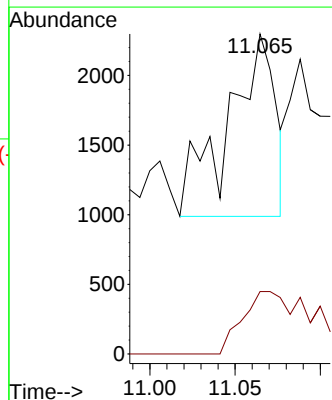
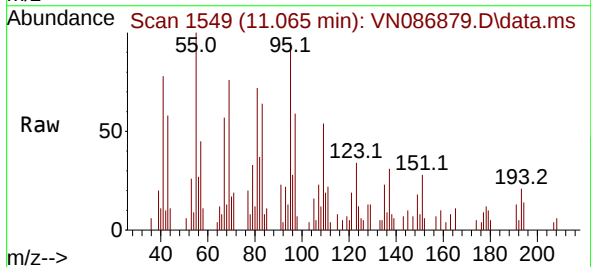
Instrument :
MSVOA_N
ClientSampleId :
3865

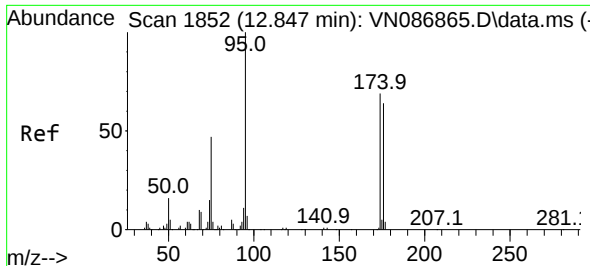
Tgt Ion: 43 Resp: 2481
Ion Ratio Lower Upper
43 100
58 37.0 34.2 51.4



#59
2-Hexanone
Concen: 0.605 ug/l
RT: 11.065 min Scan# 1549
Delta R.T. -0.135 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
58 47.6 30.4 91.3

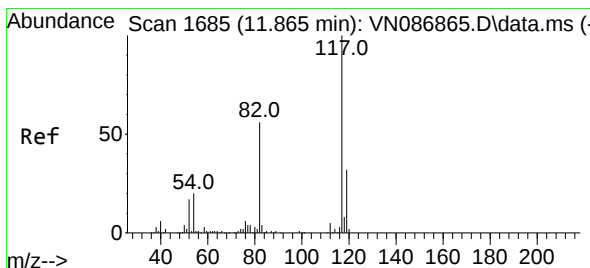
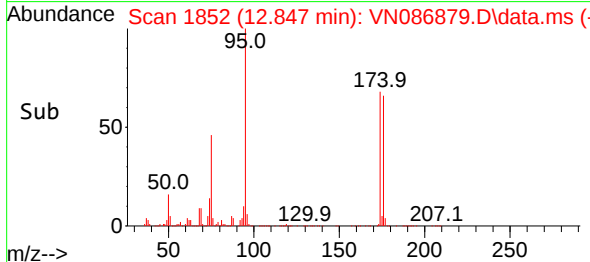
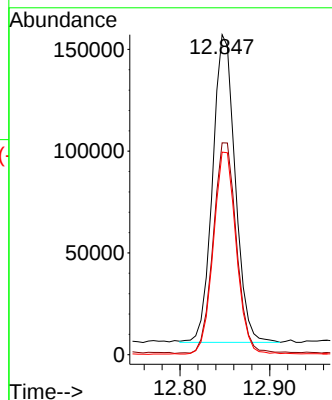
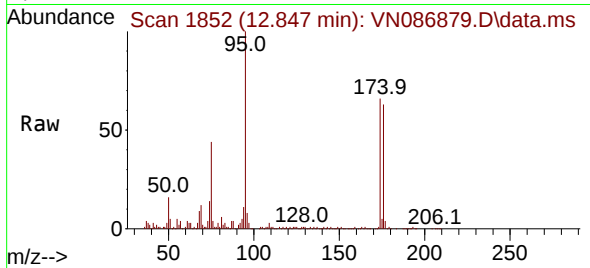




#62
4-Bromofluorobenzene
Concen: 50.300 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

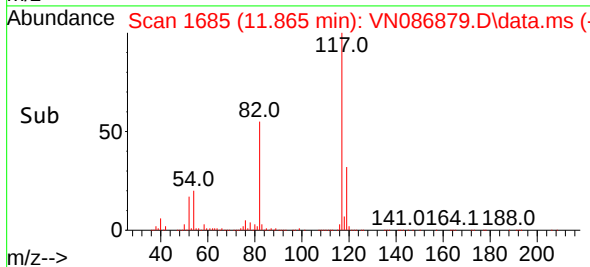
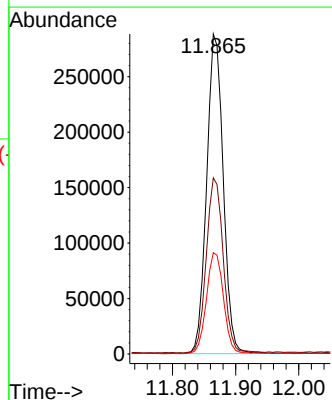
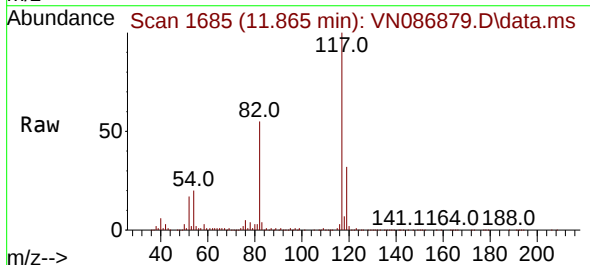
Instrument :
MSVOA_N
ClientSampleId :
3865

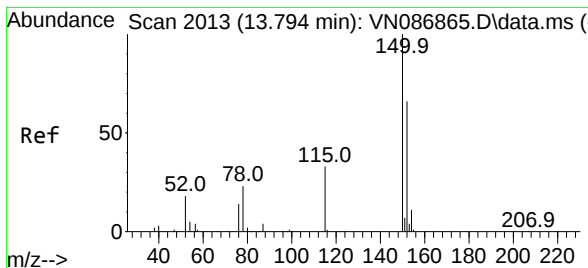
Tgt Ion: 95 Resp: 263968
Ion Ratio Lower Upper
95 100
174 70.2 0.0 141.8
176 66.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 117 Resp: 526101
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 31.5 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: VN086879.D

Acq: 06 Jun 2025 20:13

Instrument :

MSVOA_N

ClientSampleId :

3865

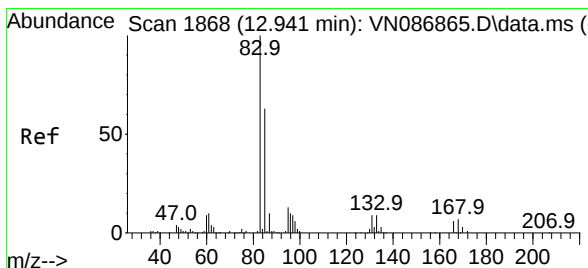
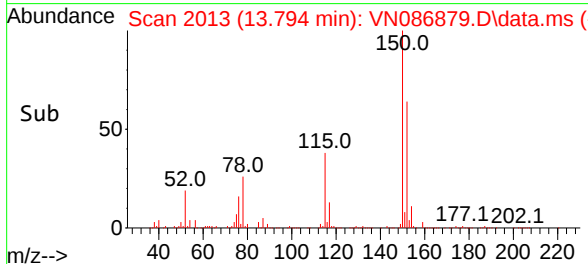
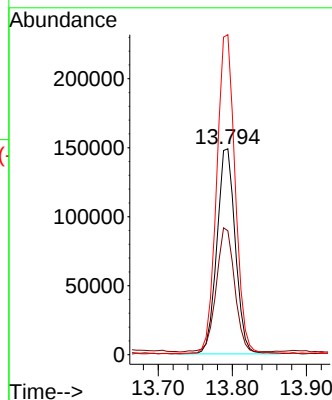
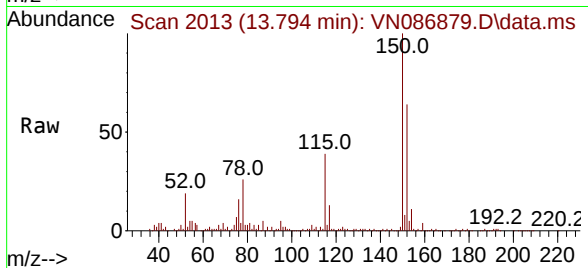
Tgt Ion:152 Resp: 256470

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.5

150 155.9 0.0 345.0



#75

1,1,2,2-Tetrachloroethane

Concen: 4.452 ug/l

RT: 13.017 min Scan# 1881

Delta R.T. 0.076 min

Lab File: VN086879.D

Acq: 06 Jun 2025 20:13

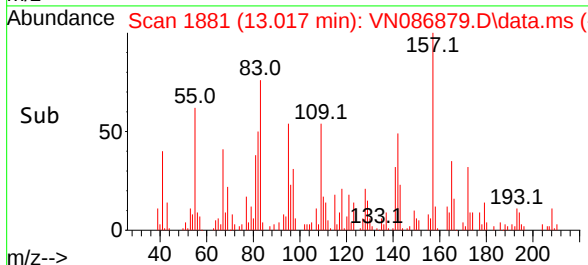
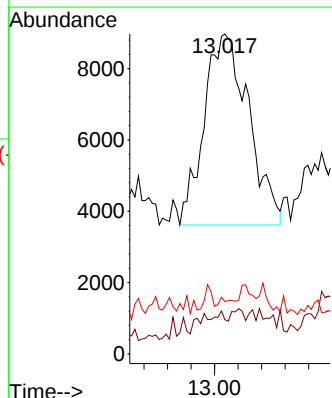
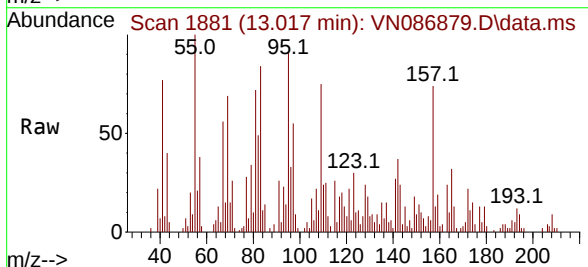
Tgt Ion: 83 Resp: 28178

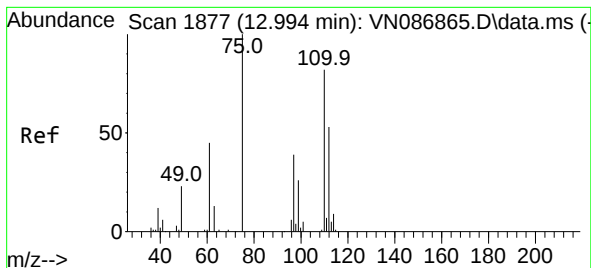
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.0 96.0#

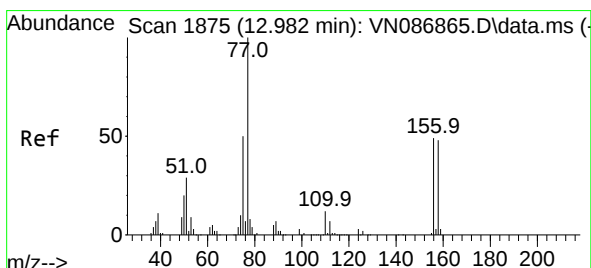
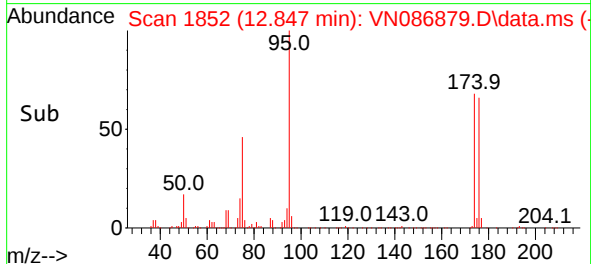
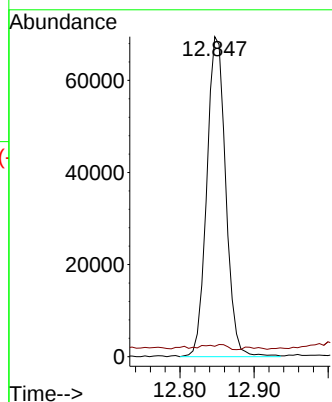
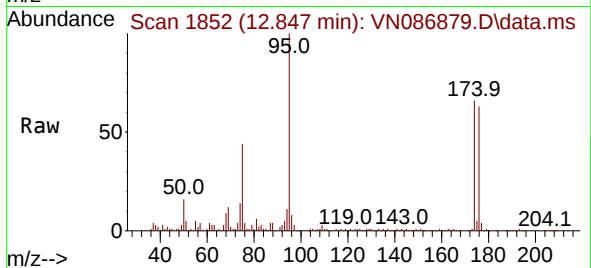




#76
1,2,3-Trichloropropane
Concen: 20.272 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

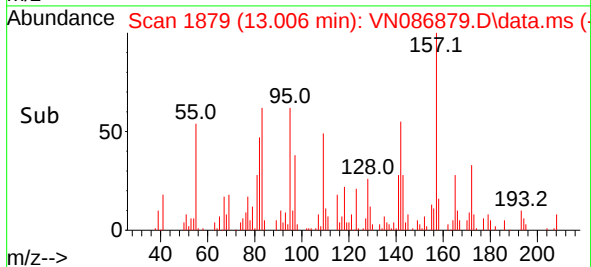
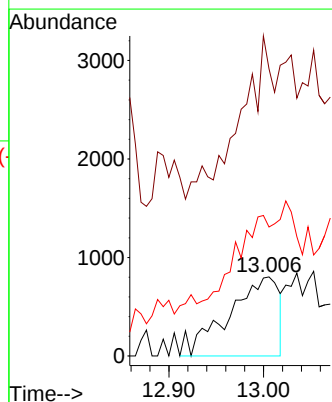
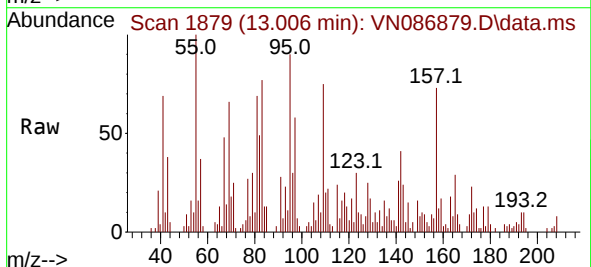
Instrument :
MSVOA_N
ClientSampleId :
3865

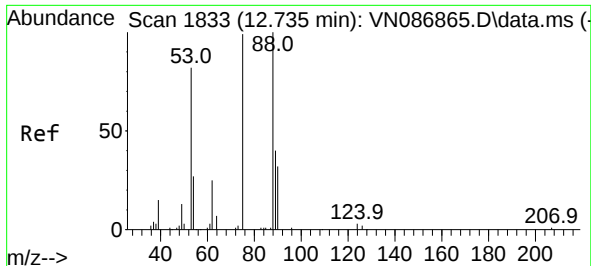
Tgt Ion: 75 Resp: 123588
Ion Ratio Lower Upper
75 100
77 2.1 79.3 237.9#



#77
Bromobenzene
Concen: 0.695 ug/l
RT: 13.006 min Scan# 1879
Delta R.T. 0.023 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion: 156 Resp: 2976
Ion Ratio Lower Upper
156 100
77 95.5 117.7 353.1#
158 64.3 48.1 144.4

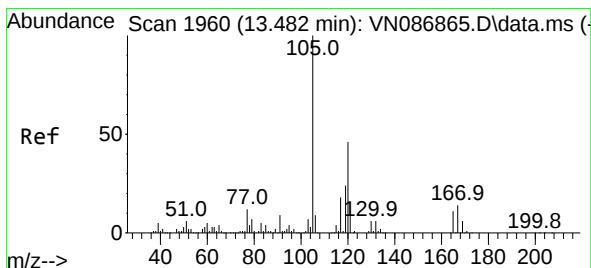
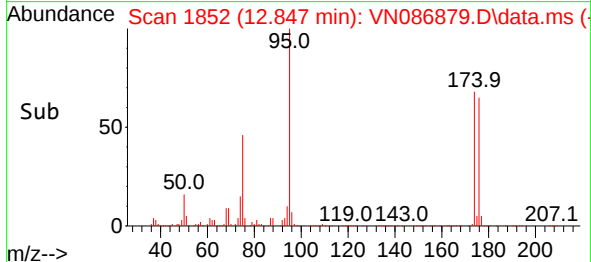
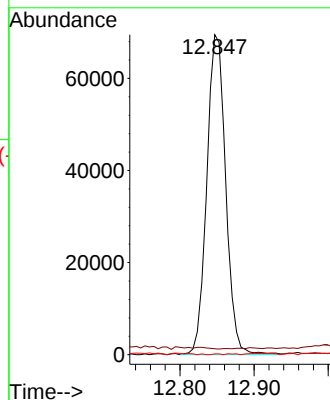
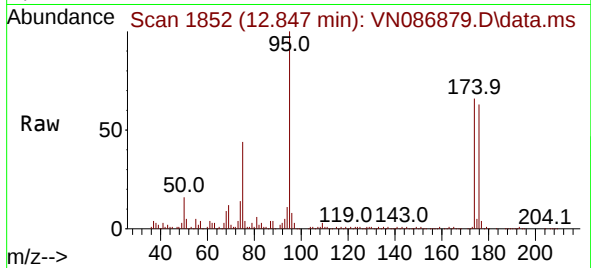




#81
trans-1,4-Dichloro-2-butene
Concen: 46.666 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

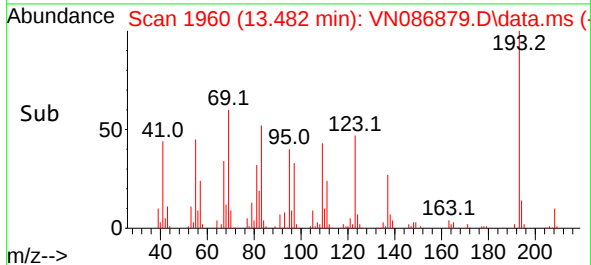
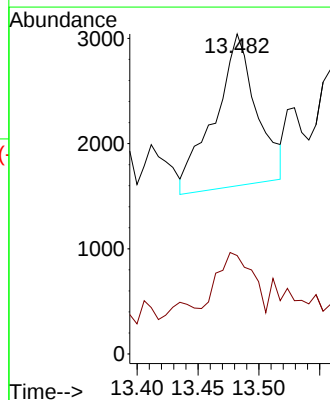
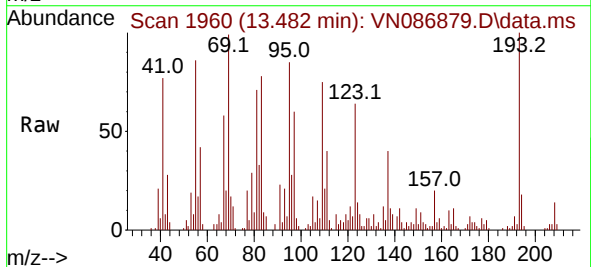
Instrument :
MSVOA_N
ClientSampleId :
3865

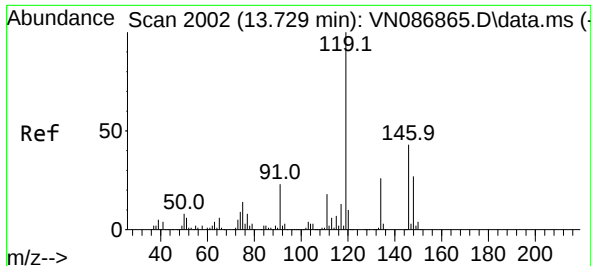
Tgt Ion: 75 Resp: 123588
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.1 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.224 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion:105 Resp: 3462
Ion Ratio Lower Upper
105 100
120 31.9 23.2 69.6

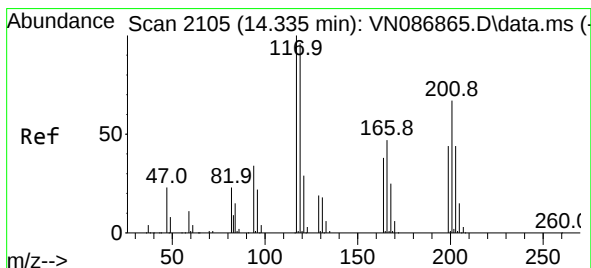
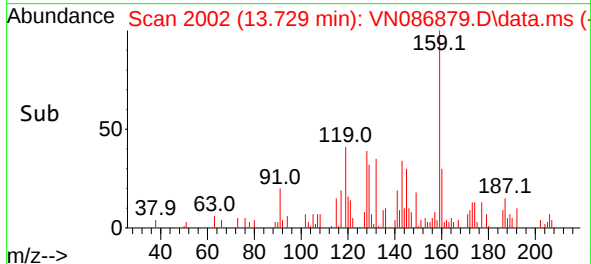
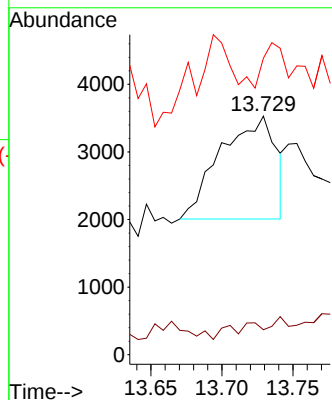
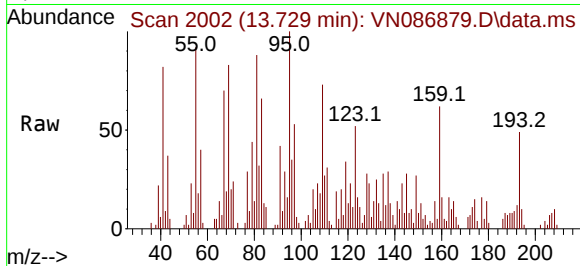




#86
p-Isopropyltoluene
Concen: 0.242 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

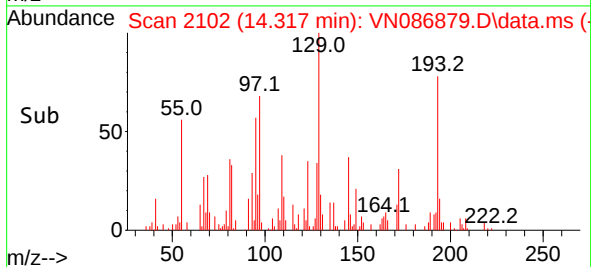
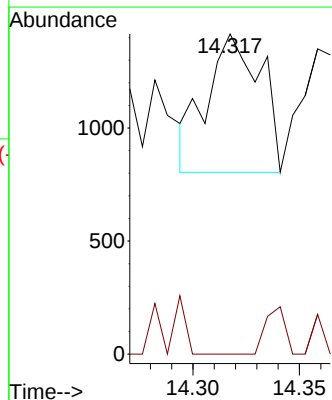
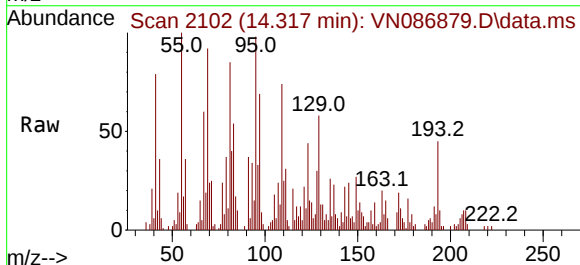
Instrument :
MSVOA_N
ClientSampleId :
3865

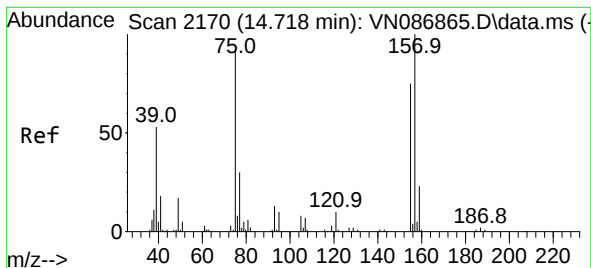
Tgt Ion:119 Resp: 4097
Ion Ratio Lower Upper
119 100
134 7.5 13.5 40.4#
91 27.1 11.5 34.4



#90
Hexachloroethane
Concen: 0.375 ug/l
RT: 14.317 min Scan# 2102
Delta R.T. -0.018 min
Lab File: VN086879.D
Acq: 06 Jun 2025 20:13

Tgt Ion:117 Resp: 1078
Ion Ratio Lower Upper
117 100
201 0.0 33.2 99.6#

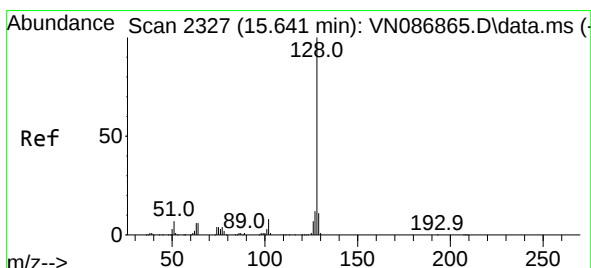
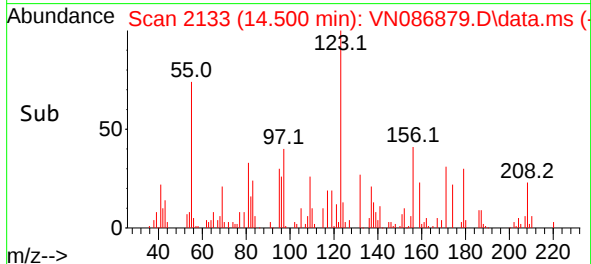
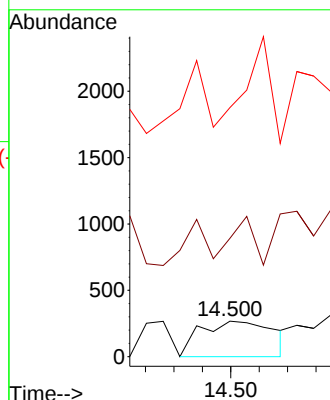
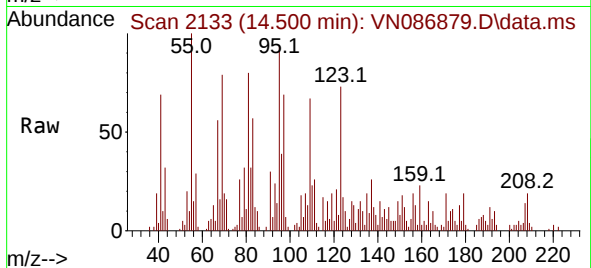




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.318 ug/l
 RT: 14.500 min Scan# 2170
 Delta R.T. -0.218 min
 Lab File: VN086879.D
 Acq: 06 Jun 2025 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 3865

Tgt Ion: 75 Resp: 482
 Ion Ratio Lower Upper
 75 100
 155 50.0 41.1 123.4
 157 122.4 52.7 158.1



#95
 Naphthalene
 Concen: 2.335 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.006 min
 Lab File: VN086879.D
 Acq: 06 Jun 2025 20:13

Tgt Ion: 128 Resp: 44948
 Ion Ratio Lower Upper
 128 100
 127 15.2 10.2 15.2
 129 19.1 8.8 13.2#

