

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086894.D
 Acq On : 09 Jun 2025 11:12
 Operator : JC\MD
 Sample : Q2254-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 09 13:27:55 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)

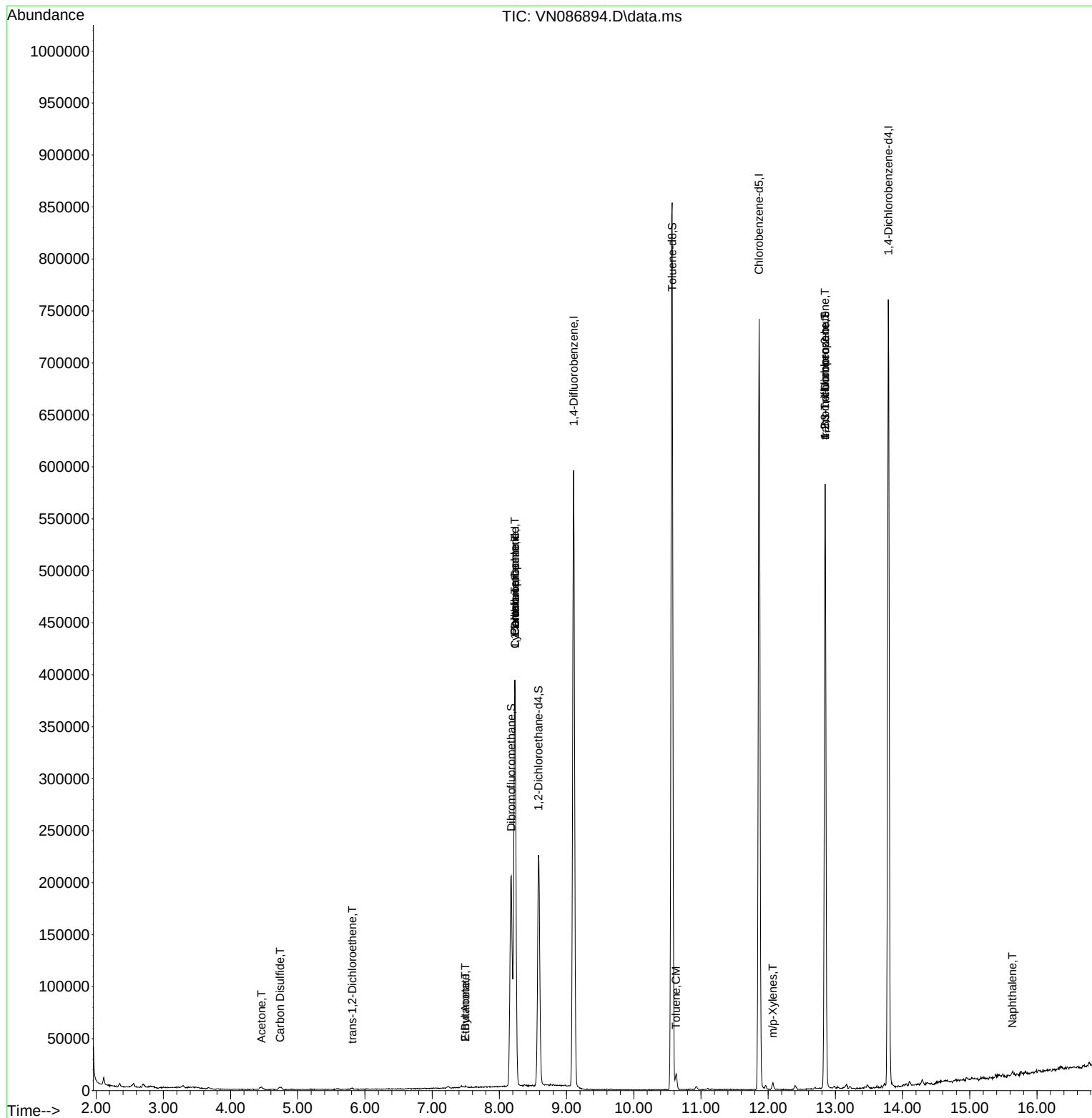
Internal Standards						
1) Pentafluorobenzene	8.229	168	313915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	549826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	462153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	222690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	179677	42.750	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.500%
35) Dibromofluoromethane	8.177	113	157362	48.294	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.580%
50) Toluene-d8	10.571	98	644850	49.992	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.980%
62) 4-Bromofluorobenzene	12.847	95	229953	47.983	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.960%
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	4943	2.218	ug/l	96
17) Carbon Disulfide	4.736	76	2885	0.299	ug/l #	75
21) trans-1,2-Dichloroethene	5.812	96	1237	0.318	ug/l #	51
25) 2-Butanone	7.494	43	1521	0.420	ug/l	90
31) Cyclohexane	8.235	56	5676	0.833	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	23838	4.910	ug/l #	48
37) Ethyl Acetate	7.494	43	1521	0.246	ug/l #	73
38) Carbon Tetrachloride	8.229	117	30108	6.316	ug/l #	17
52) Toluene	10.629	92	7042	0.726	ug/l	93
68) m/p-Xylenes	12.070	106	2159	0.321	ug/l	89
76) 1,2,3-Trichloropropane	12.847	75	105271	19.887	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	105271	45.779	ug/l #	16
95) Naphthalene	15.635	128	4806	0.288	ug/l #	83

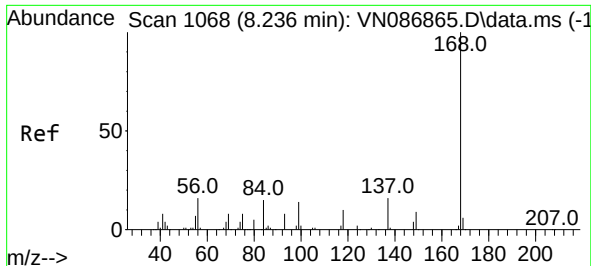
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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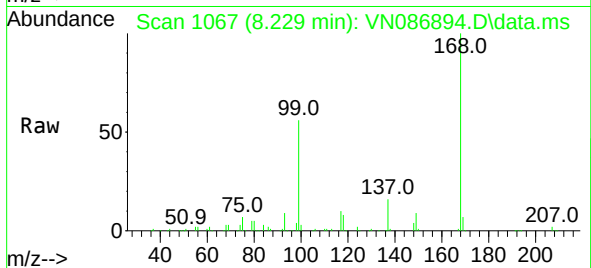
Quant Time: Jun 09 13:27:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



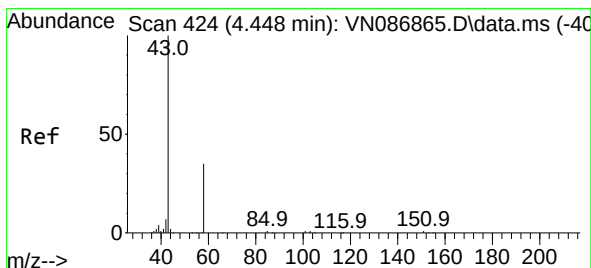
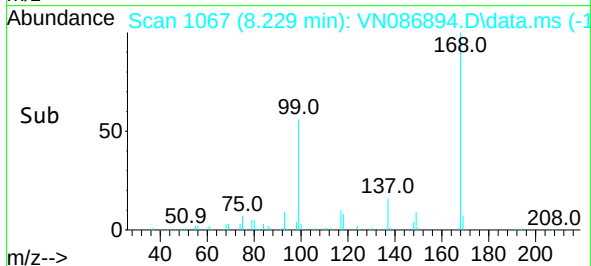
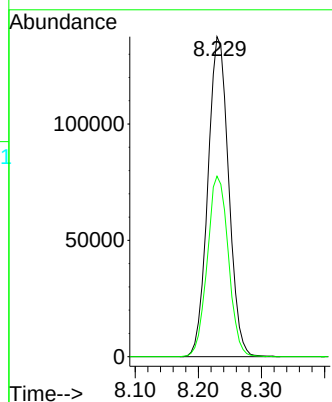


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :

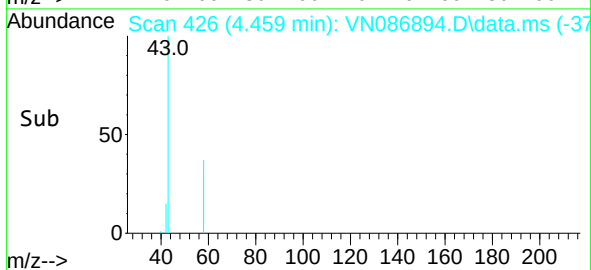
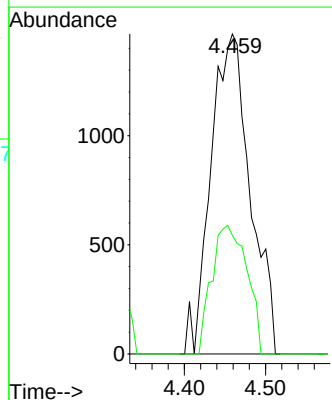
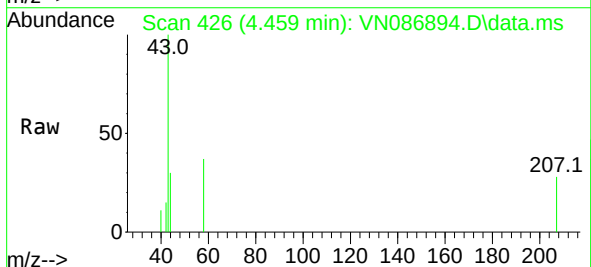


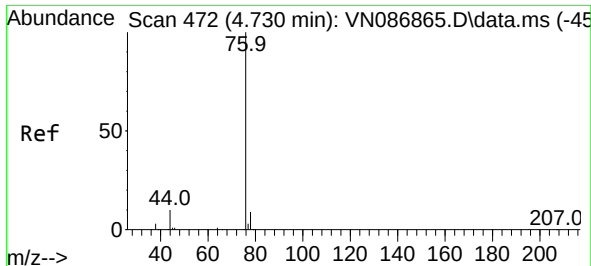
Tgt Ion:168 Resp: 313915
Ion Ratio Lower Upper
168 100
99 56.4 49.1 73.7



#16
Acetone
Concen: 2.218 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

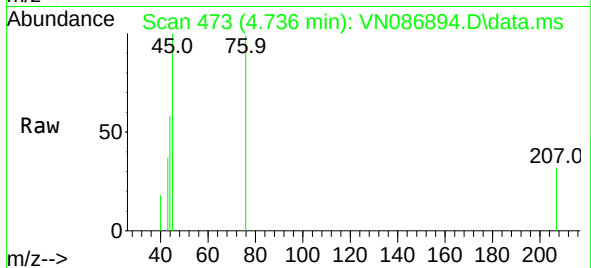
Tgt Ion: 43 Resp: 4943
Ion Ratio Lower Upper
43 100
58 37.1 28.0 42.0



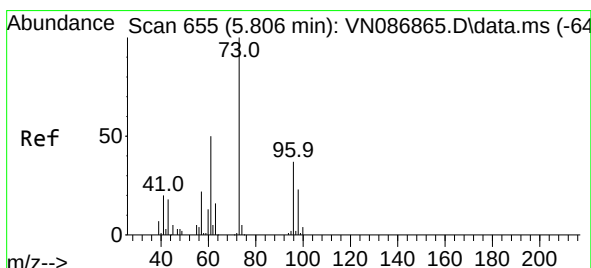
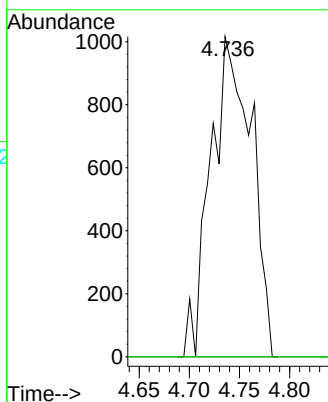
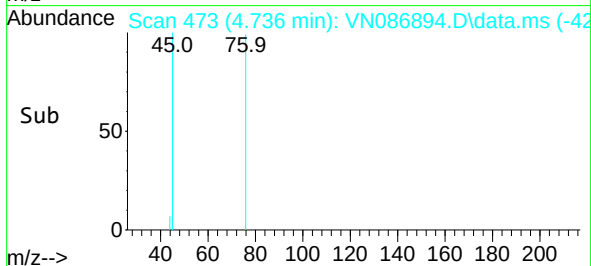


#17
Carbon Disulfide
Concen: 0.299 ug/l
RT: 4.736 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

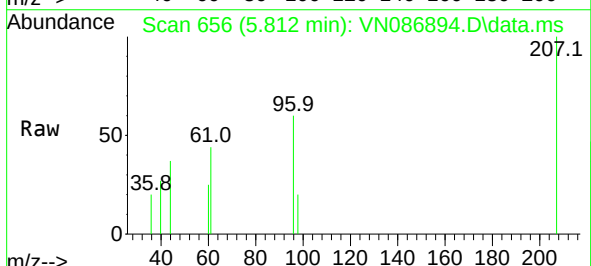
Instrument :
MSVOA_N
ClientSampleId :



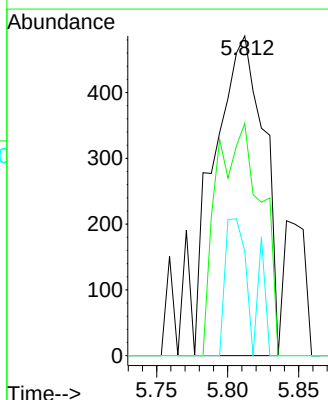
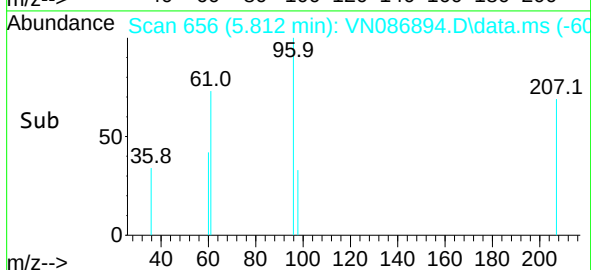
Tgt Ion: 76 Resp: 2885
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

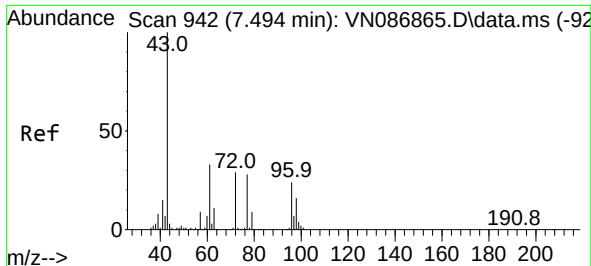


#21
trans-1,2-Dichloroethene
Concen: 0.318 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.006 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12



Tgt Ion: 96 Resp: 1237
Ion Ratio Lower Upper
96 100
61 72.6 109.2 163.8#
98 32.7 49.8 74.8#

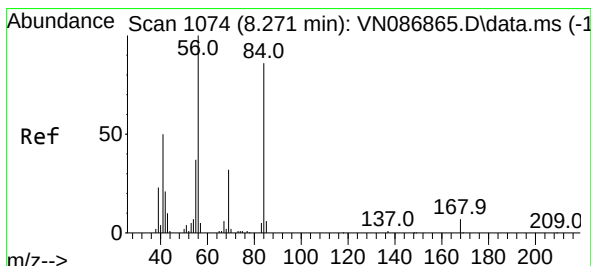
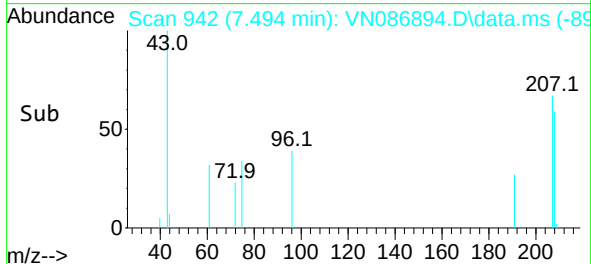
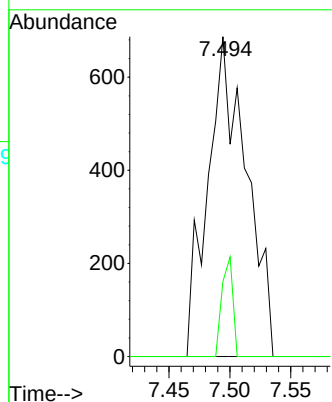
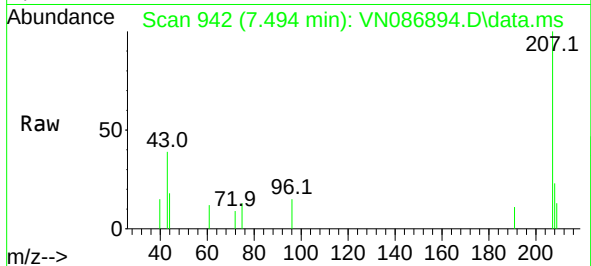




#25
2-Butanone
Concen: 0.420 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

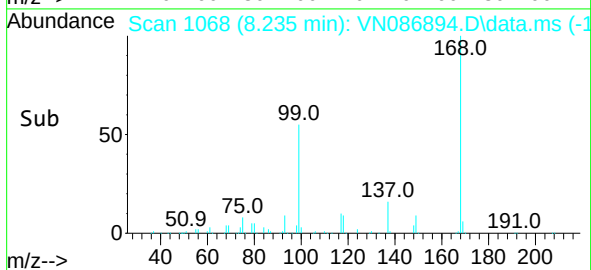
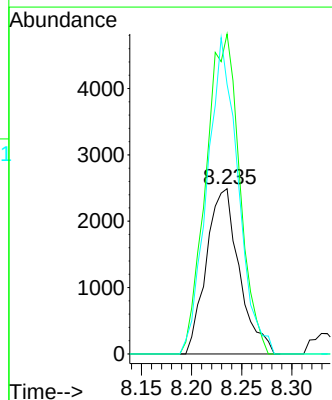
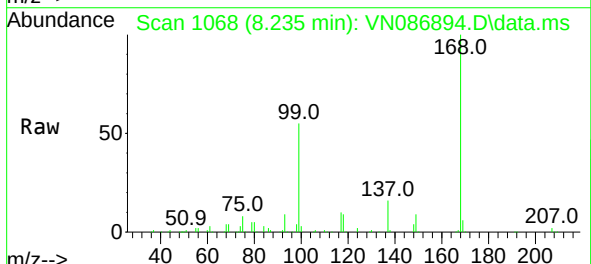
Instrument :
MSVOA_N
ClientSampleId :

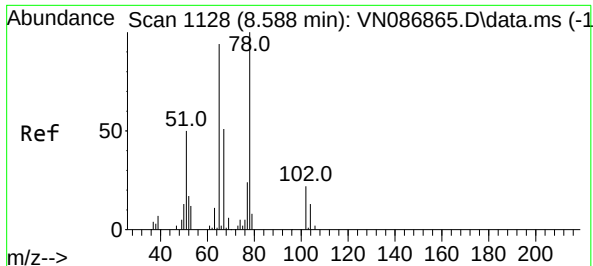
Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
72 23.4 23.0 34.6



#31
Cyclohexane
Concen: 0.833 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion: 56 Resp: 5676
Ion Ratio Lower Upper
56 100
69 193.7 25.4 38.0#
84 163.1 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 42.750 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN086894.D

Acq: 09 Jun 2025 11:12

Instrument :

MSVOA_N

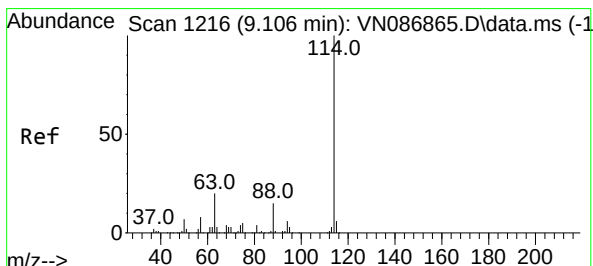
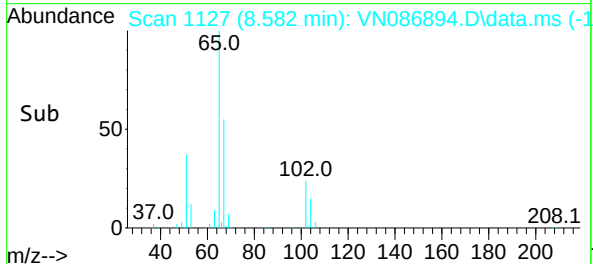
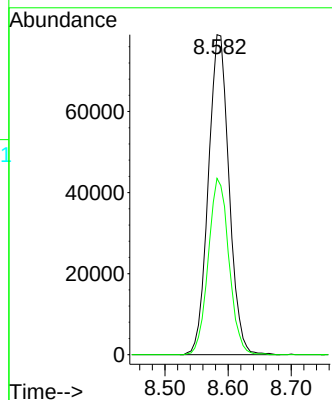
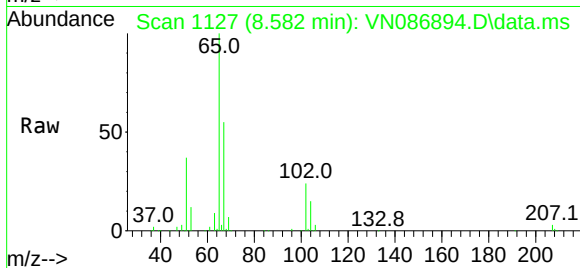
ClientSampleId :

Tgt Ion: 65 Resp: 179677

Ion Ratio Lower Upper

65 100

67 55.0 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: VN086894.D

Acq: 09 Jun 2025 11:12

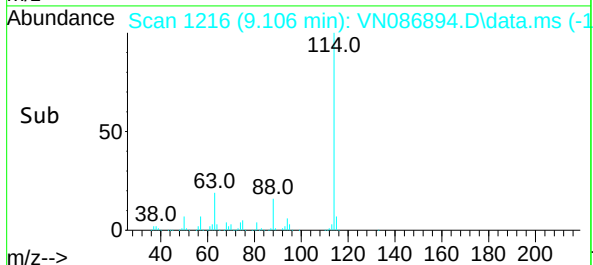
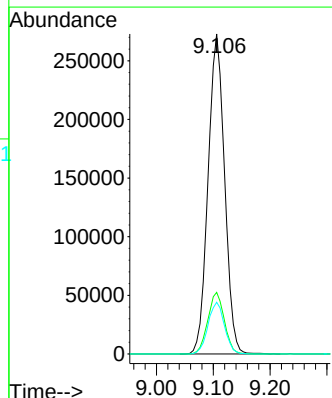
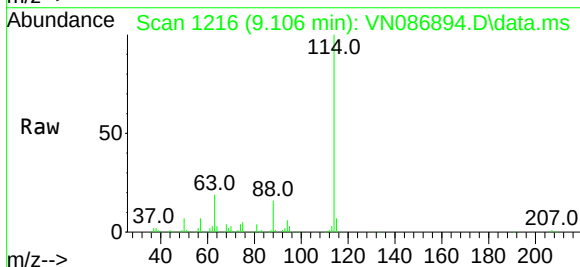
Tgt Ion:114 Resp: 549826

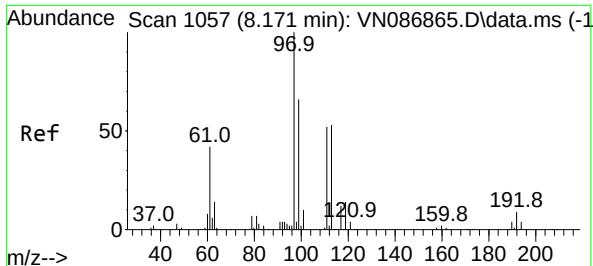
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.294 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

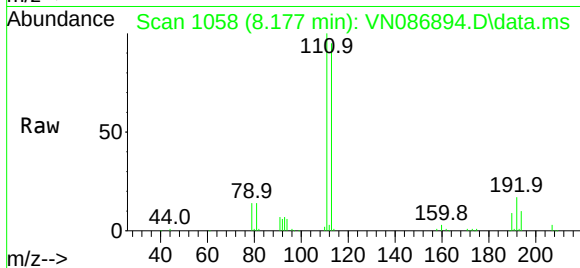
Lab File: VN086894.D

Acq: 09 Jun 2025 11:12

Instrument :

MSVOA_N

ClientSampleId :



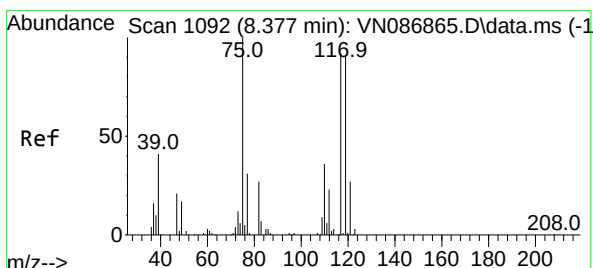
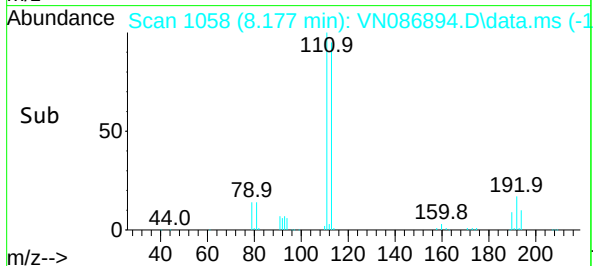
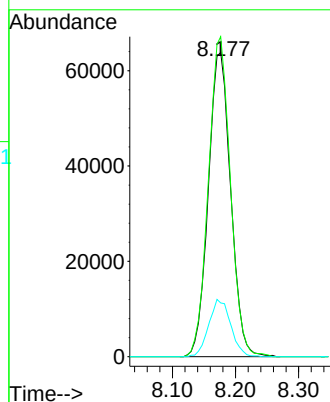
Tgt Ion:113 Resp: 157362

Ion Ratio Lower Upper

113 100

111 103.3 84.2 126.2

192 18.4 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.910 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN086894.D

Acq: 09 Jun 2025 11:12

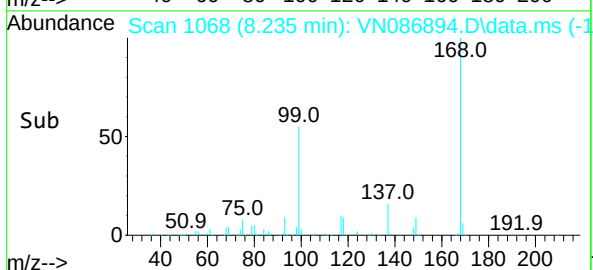
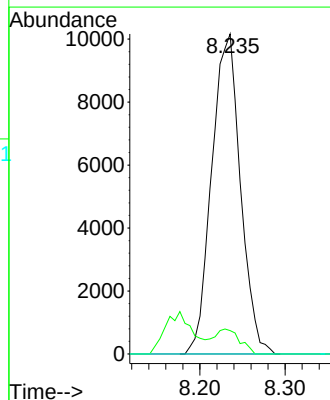
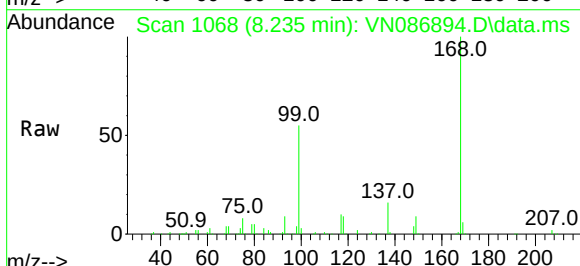
Tgt Ion: 75 Resp: 23838

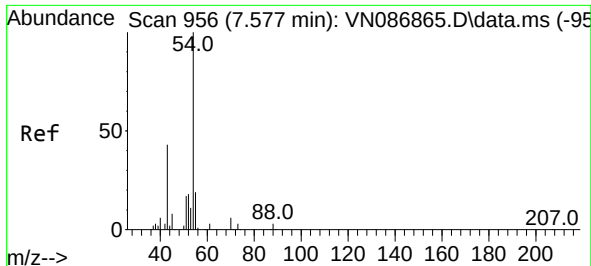
Ion Ratio Lower Upper

75 100

110 7.2 17.6 52.9#

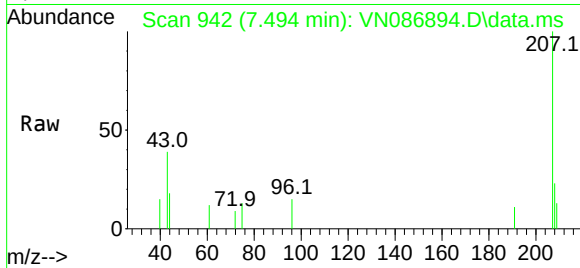
77 0.0 25.3 37.9#



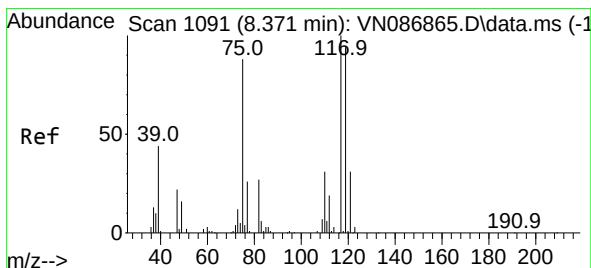
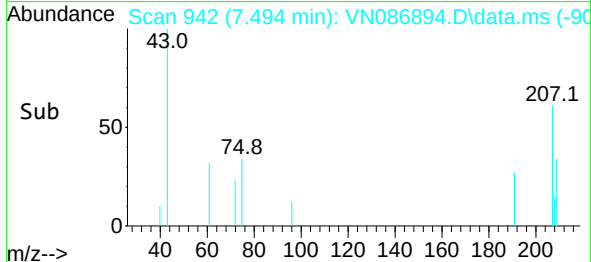
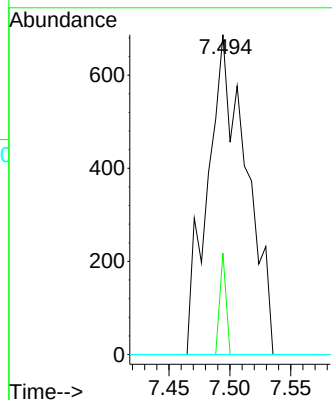


#37
Ethyl Acetate
Concen: 0.246 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.083 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :

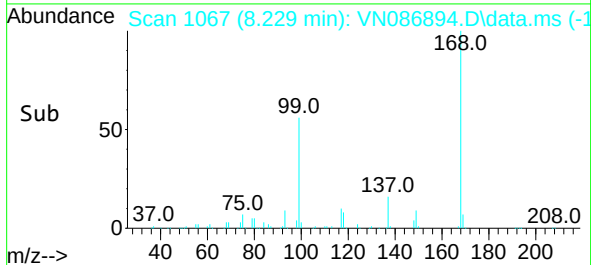
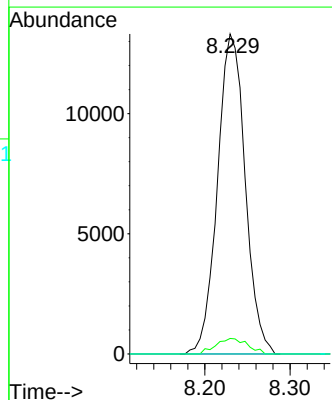
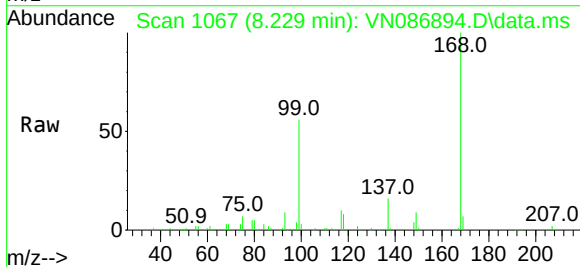


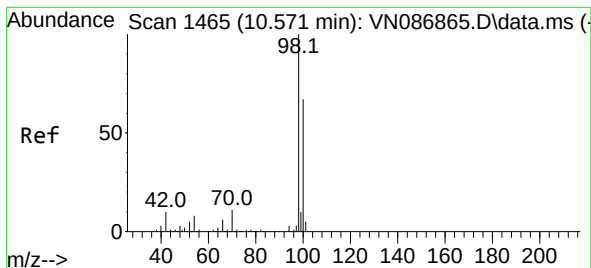
Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
61 5.1 12.1 18.1#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 6.316 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion: 117 Resp: 30108
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 24.9 37.3#

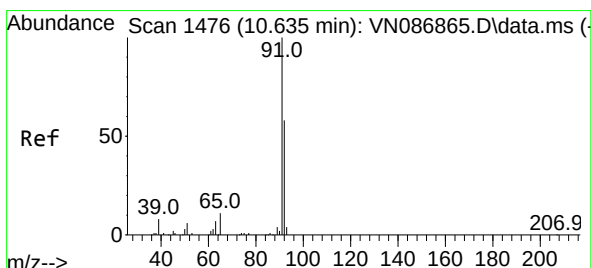
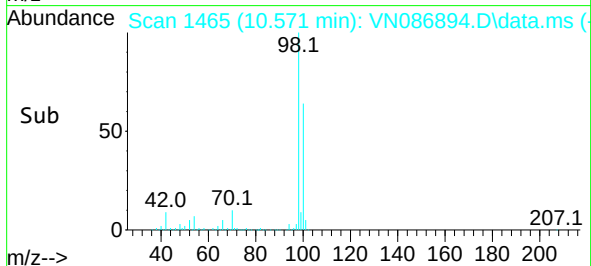
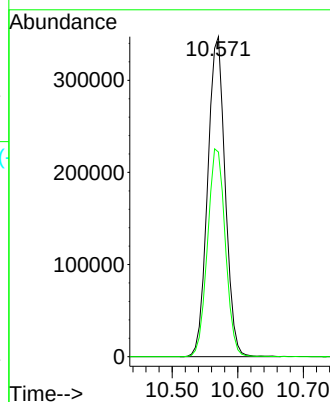
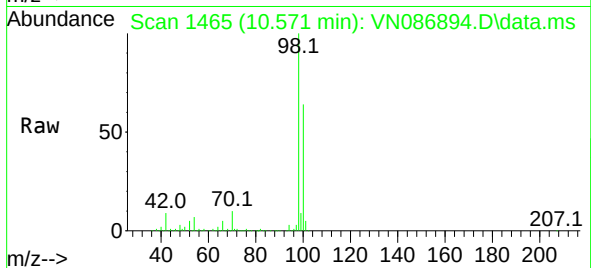




#50
Toluene-d8
Concen: 49.992 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

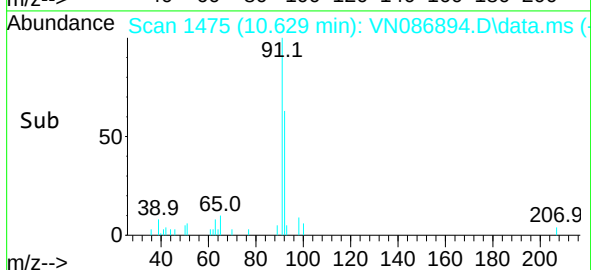
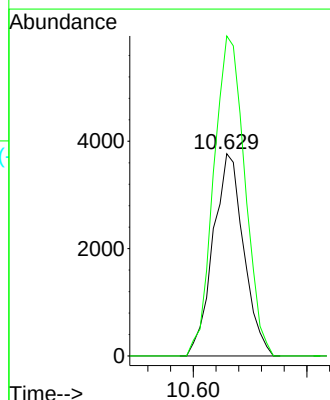
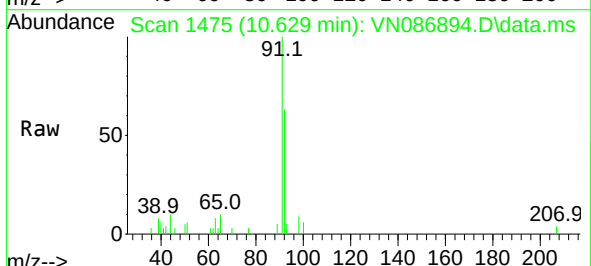
Instrument :
MSVOA_N
ClientSampleId :

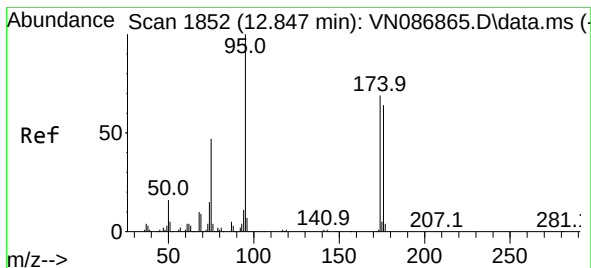
Tgt Ion: 98 Resp: 644850
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#52
Toluene
Concen: 0.726 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion: 92 Resp: 7042
Ion Ratio Lower Upper
92 100
91 160.9 136.5 204.7

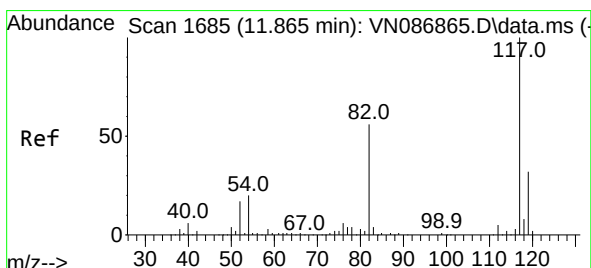
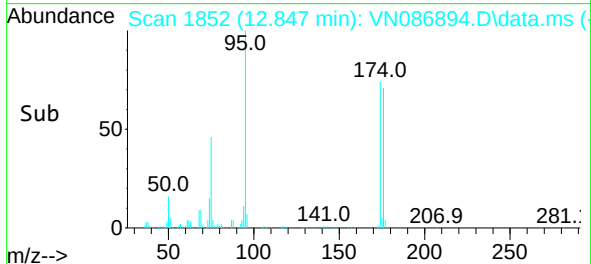
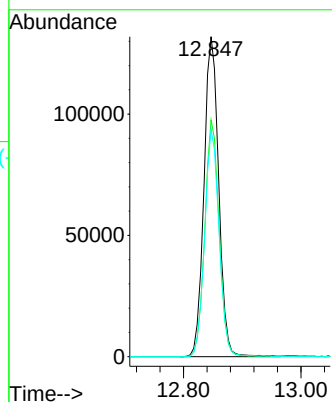
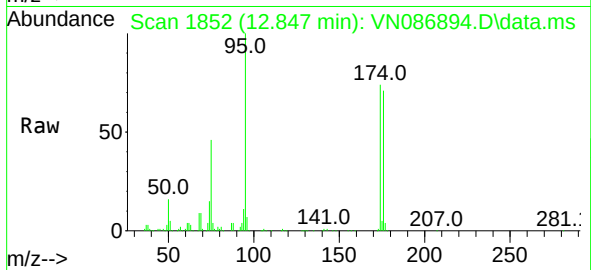




#62
4-Bromofluorobenzene
Concen: 47.983 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

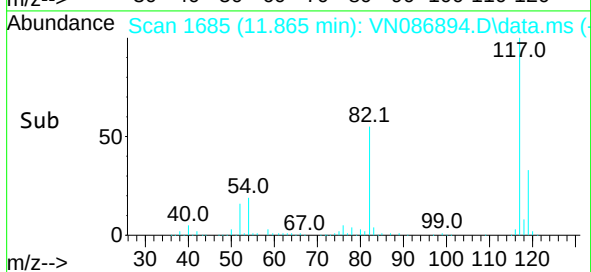
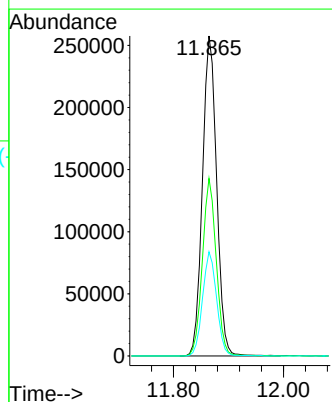
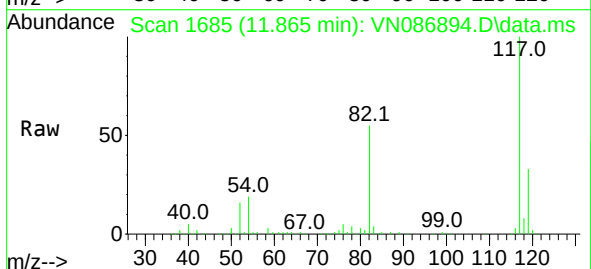
Instrument :
MSVOA_N
ClientSampleId :

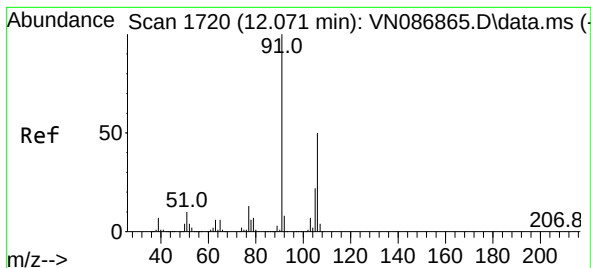
Tgt Ion: 95 Resp: 229953
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.8
176 69.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion: 117 Resp: 462153
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 32.5 25.5 38.3

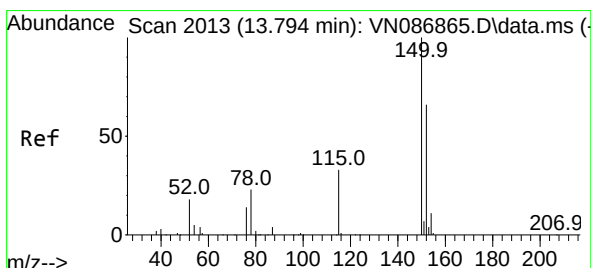
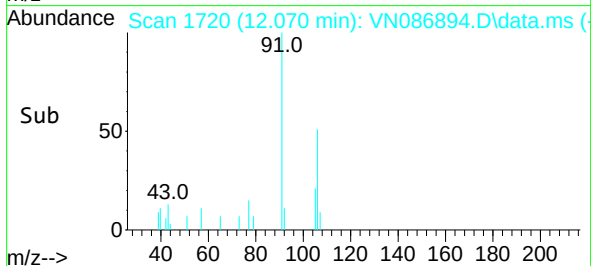
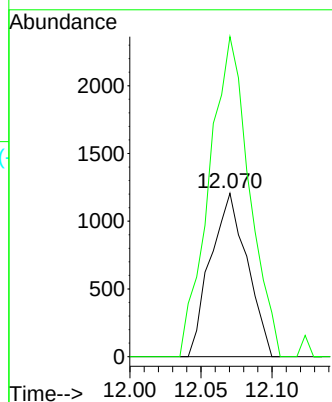
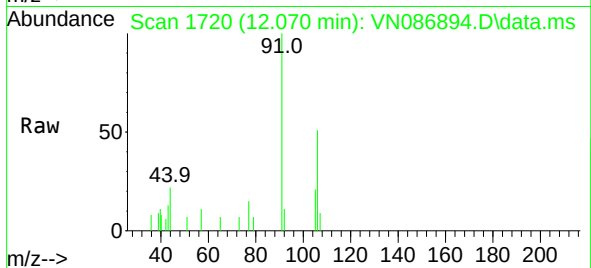




#68
m/p-Xylenes
Concen: 0.321 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

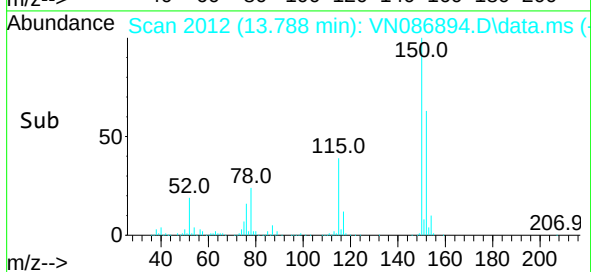
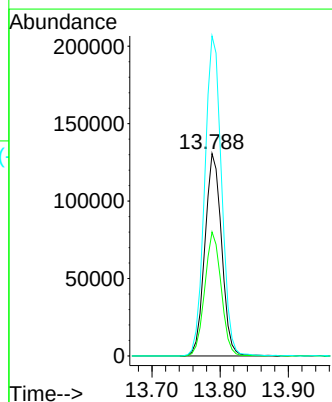
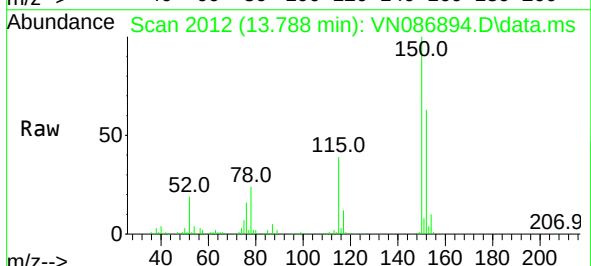
Instrument :
MSVOA_N
ClientSampleId :

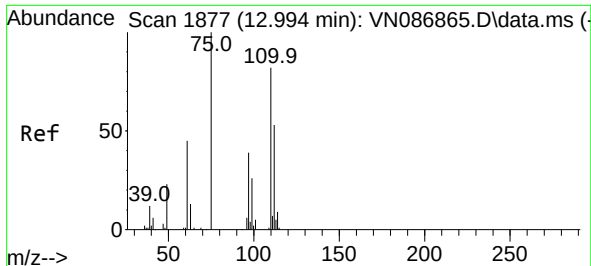
Tgt Ion:106 Resp: 2159
Ion Ratio Lower Upper
106 100
91 216.0 159.4 239.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion:152 Resp: 222690
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 159.6 0.0 345.0

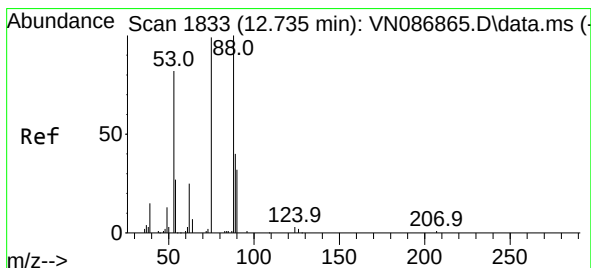
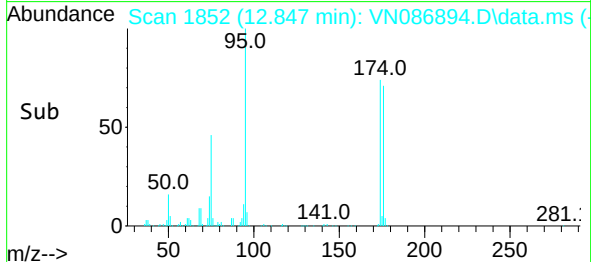
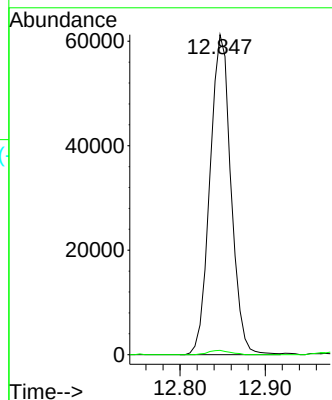
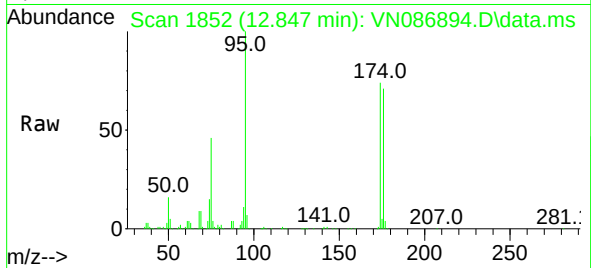




#76
1,2,3-Trichloropropane
Concen: 19.887 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

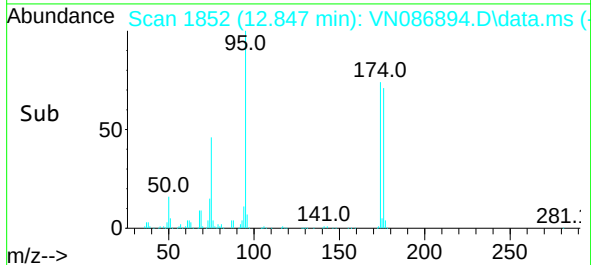
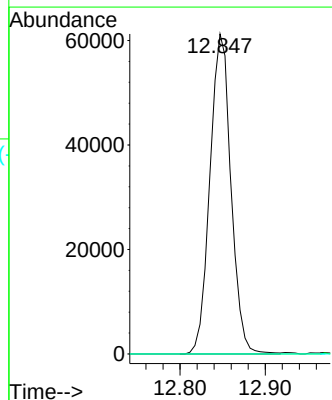
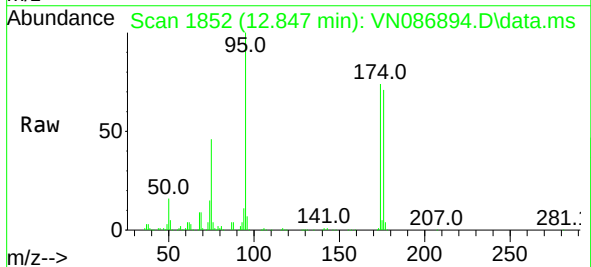
Instrument :
MSVOA_N
ClientSampleId :

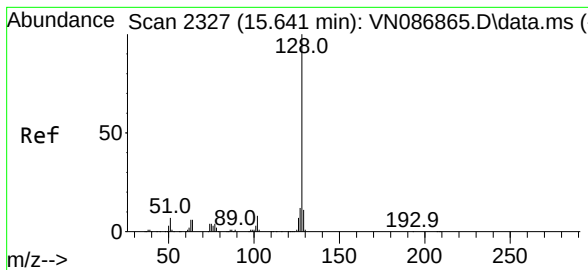
Tgt Ion: 75 Resp: 105271
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.779 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

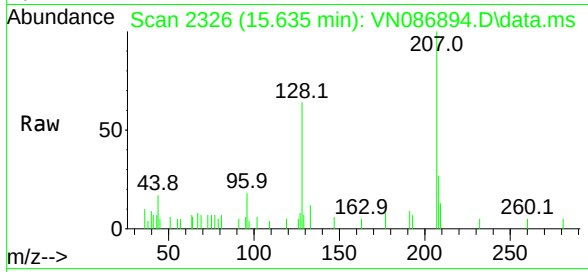
Tgt Ion: 75 Resp: 105271
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#





#95
 Naphthalene
 Concen: 0.288 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN086894.D
 Acq: 09 Jun 2025 11:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	4806
Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.2	15.2#
129	0.0	8.8	13.2#

