

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086925.D
 Acq On : 10 Jun 2025 13:55
 Operator : JC\MD
 Sample : Q2251-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-TB-20250603

Quant Time: Jun 11 01:54:57 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)

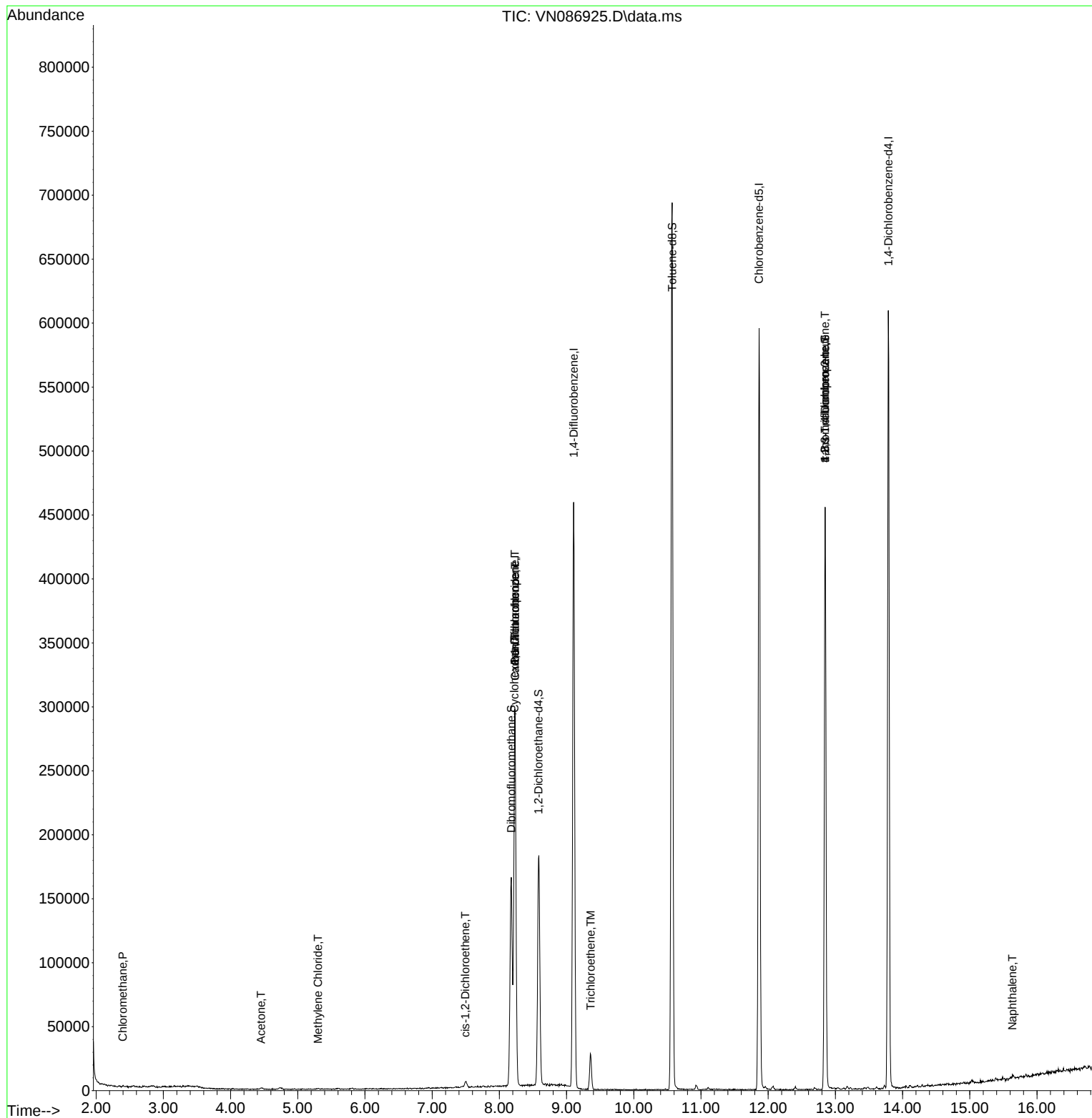
Internal Standards						
1) Pentafluorobenzene	8.229	168	229973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	427545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	378315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	148918	48.364	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.720%
35) Dibromofluoromethane	8.177	113	125537	49.546	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.100%
50) Toluene-d8	10.570	98	514786	51.323	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.640%
62) 4-Bromofluorobenzene	12.847	95	183096	49.132	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.395	50	979	0.331	ug/l #	43
16) Acetone	4.453	43	2342	1.434	ug/l	95
20) Methylene Chloride	5.300	84	664	0.217	ug/l #	64
27) cis-1,2-Dichloroethene	7.494	96	4772	1.401	ug/l	60
31) Cyclohexane	8.224	56	4397	0.880	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	17496	4.634	ug/l #	48
38) Carbon Tetrachloride	8.235	117	22674	6.117	ug/l #	18
44) Trichloroethene	9.359	130	11253	3.844	ug/l	99
76) 1,2,3-Trichloropropane	12.847	75	85282	20.111	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85282	46.295	ug/l #	16
95) Naphthalene	15.635	128	3649	0.273	ug/l	96

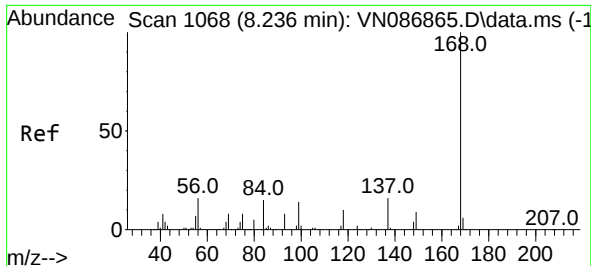
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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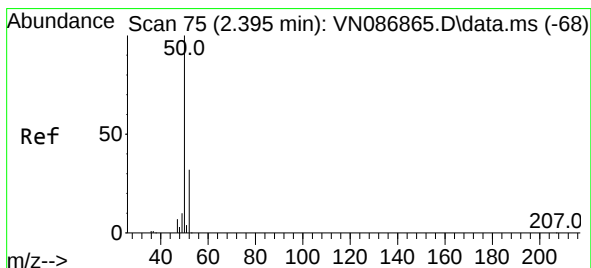
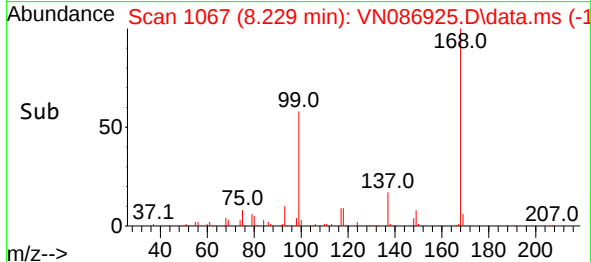
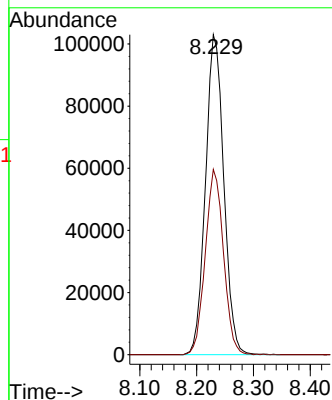
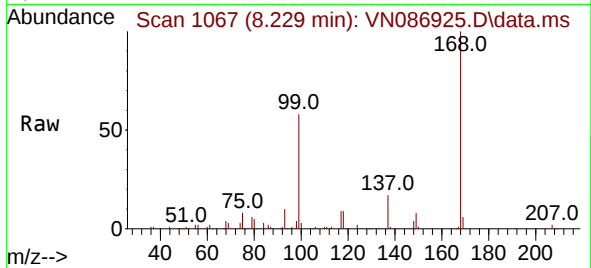




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.007 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

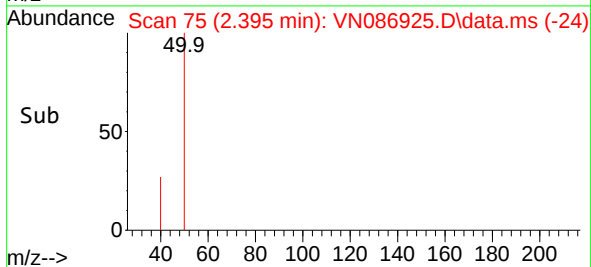
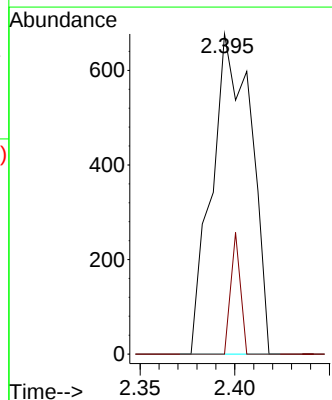
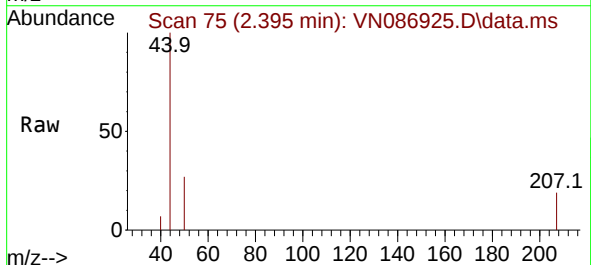
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250603

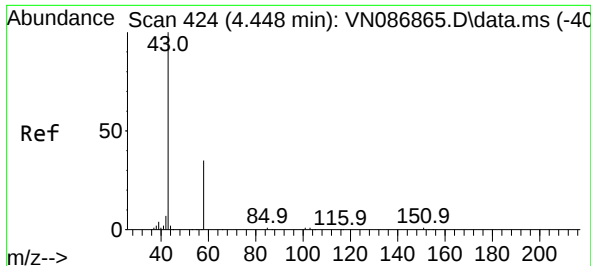
Tgt Ion:168 Resp: 229973
Ion Ratio Lower Upper
168 100
99 57.9 49.1 73.7



#3
Chloromethane
Concen: 0.331 ug/l
RT: 2.395 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

Tgt Ion: 50 Resp: 979
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

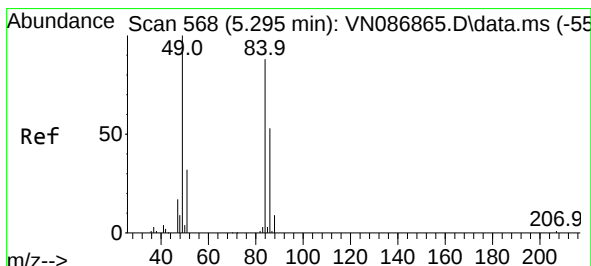
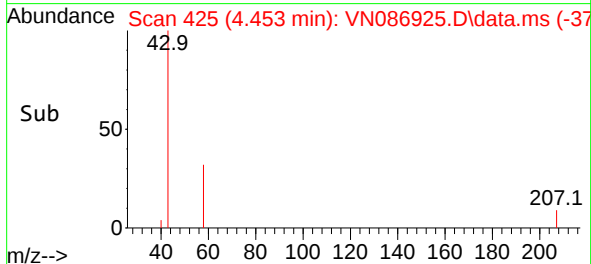
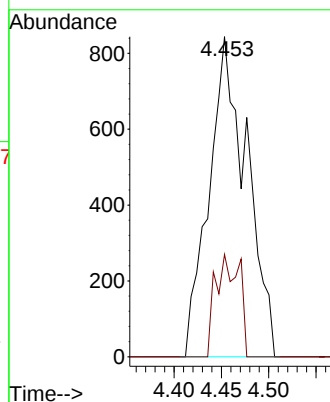
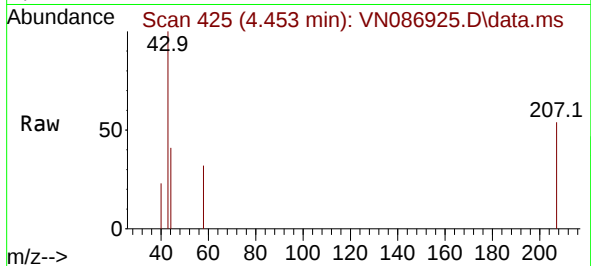




#16
Acetone
Concen: 1.434 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

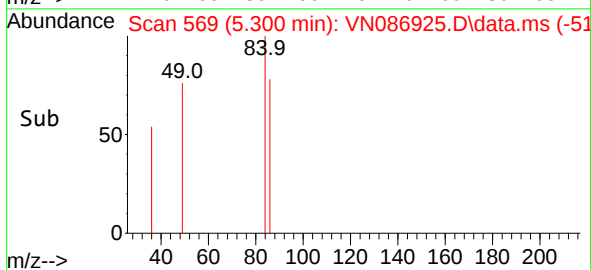
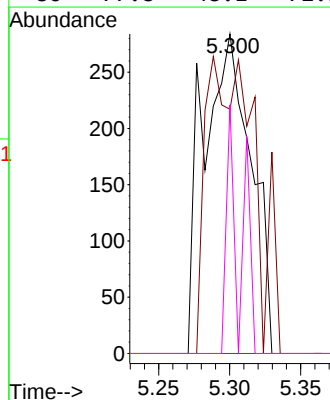
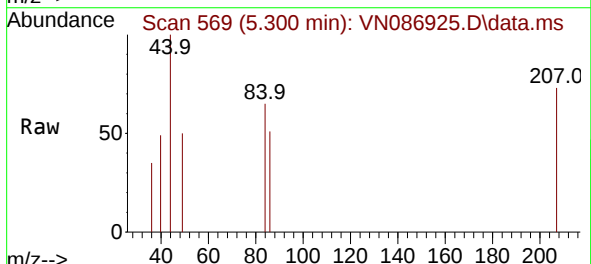
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250603

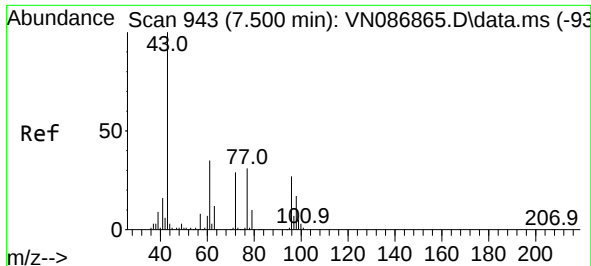
Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
58 32.0 28.0 42.0



#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

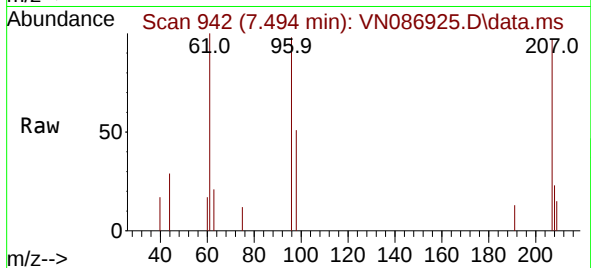
Tgt Ion: 84 Resp: 664
Ion Ratio Lower Upper
84 100
49 76.4 90.5 135.7#
51 0.0 28.5 42.7#
86 77.8 48.1 72.1#



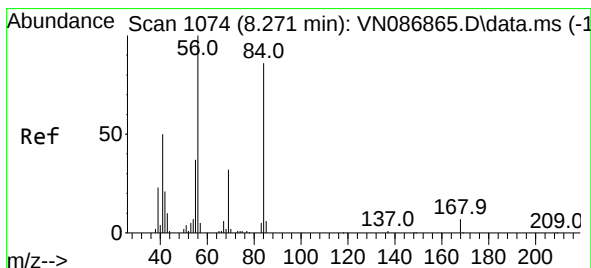
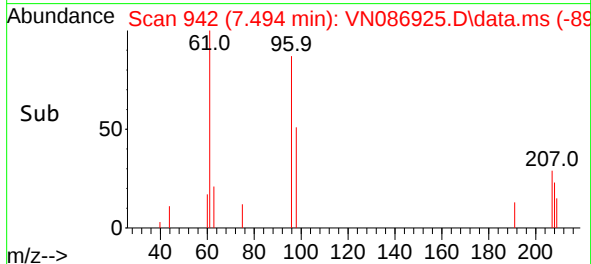
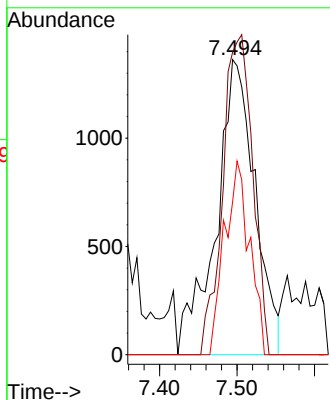


#27
cis-1,2-Dichloroethene
Concen: 1.401 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250603

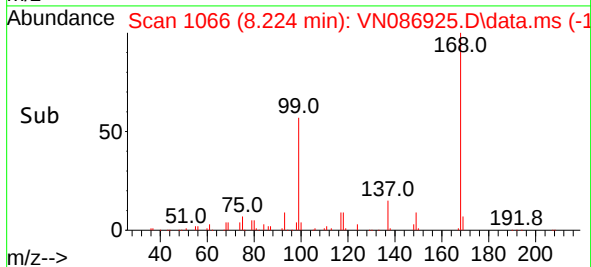
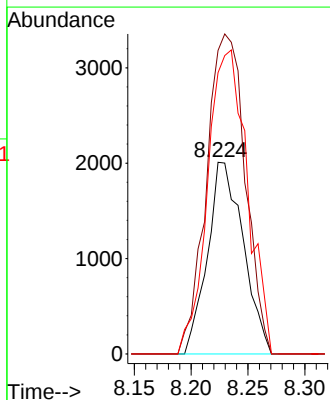
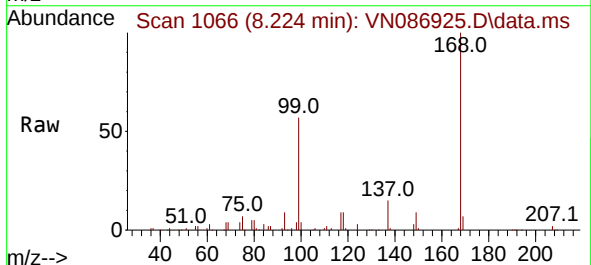


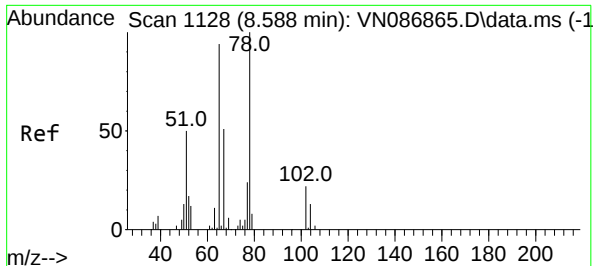
Tgt Ion: 96 Resp: 4772
Ion Ratio Lower Upper
96 100
61 83.5 0.0 278.0
98 42.1 0.0 128.2



#31
Cyclohexane
Concen: 0.880 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.047 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

Tgt Ion: 56 Resp: 4397
Ion Ratio Lower Upper
56 100
69 158.3 25.4 38.0#
84 146.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.364 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN086925.D

Acq: 10 Jun 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

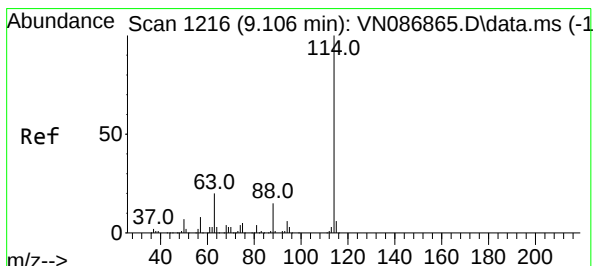
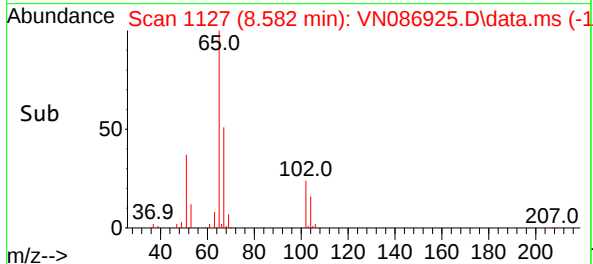
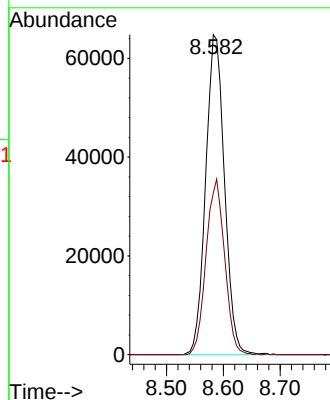
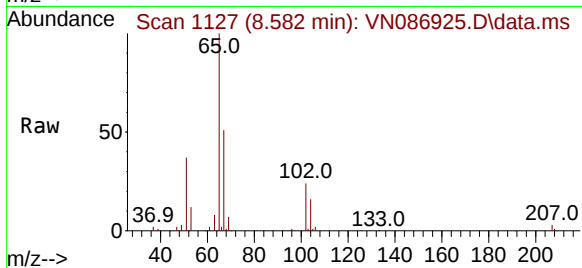
BP-VPB-182-TB-20250603

Tgt Ion: 65 Resp: 148918

Ion Ratio Lower Upper

65 100

67 54.1 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: VN086925.D

Acq: 10 Jun 2025 13:55

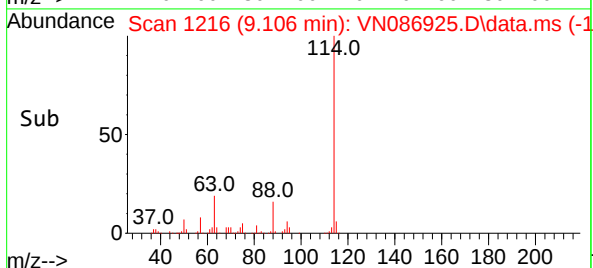
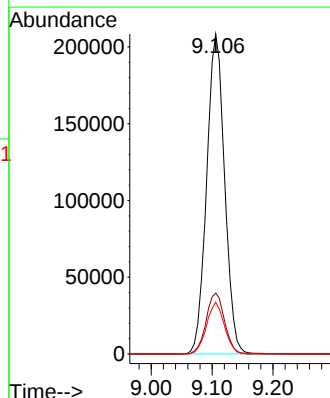
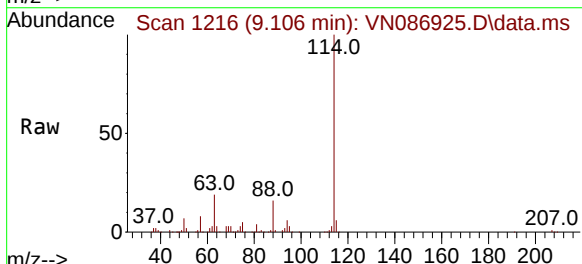
Tgt Ion: 114 Resp: 427545

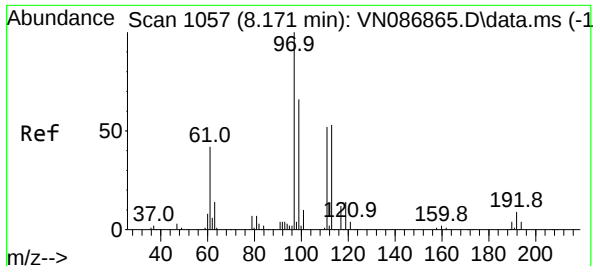
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.546 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086925.D

Acq: 10 Jun 2025 13:55

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MSVOA_N

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BP-VPB-182-TB-20250603

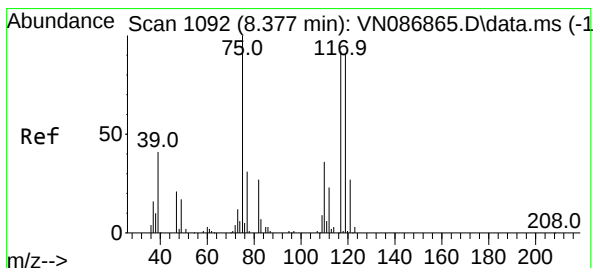
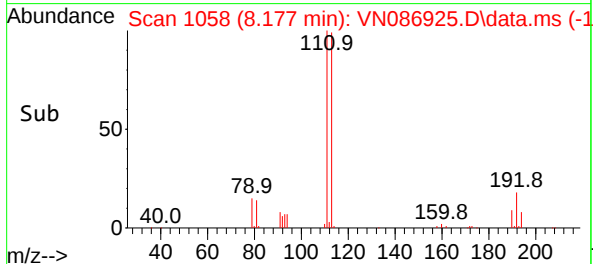
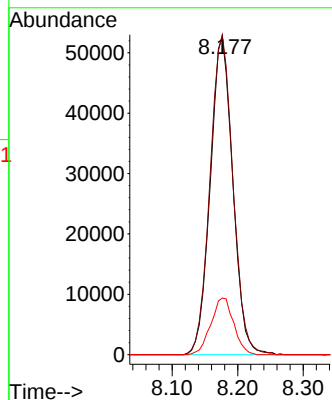
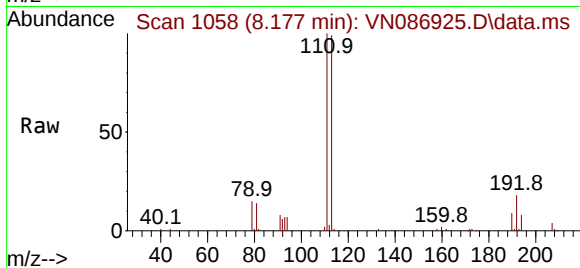
Tgt Ion:113 Resp: 125537

Ion Ratio Lower Upper

113 100

111 102.5 84.2 126.2

192 18.0 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.634 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086925.D

Acq: 10 Jun 2025 13:55

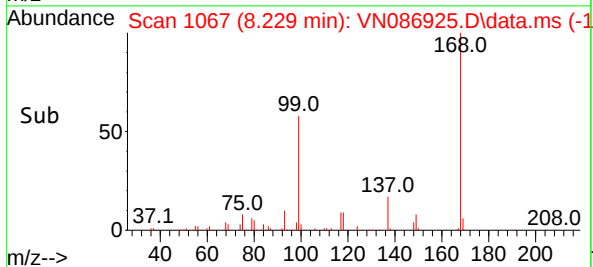
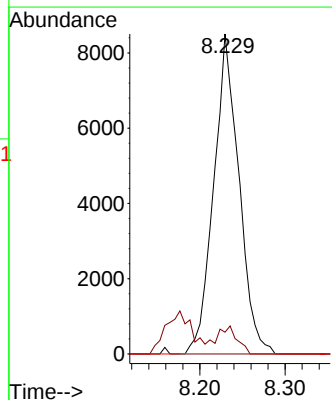
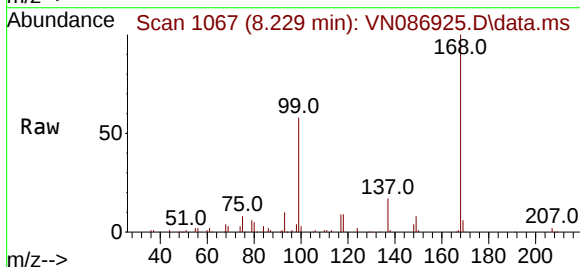
Tgt Ion: 75 Resp: 17496

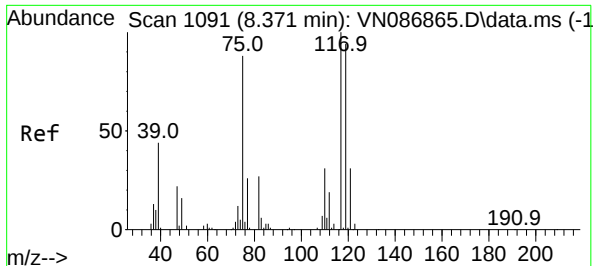
Ion Ratio Lower Upper

75 100

110 7.2 17.6 52.9#

77 0.0 25.3 37.9#

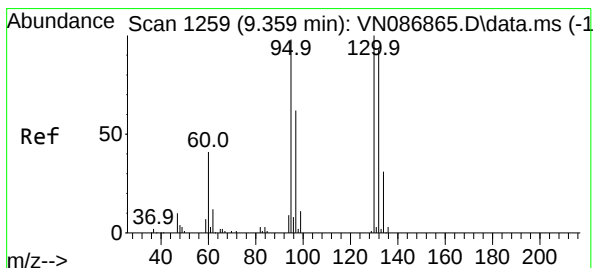
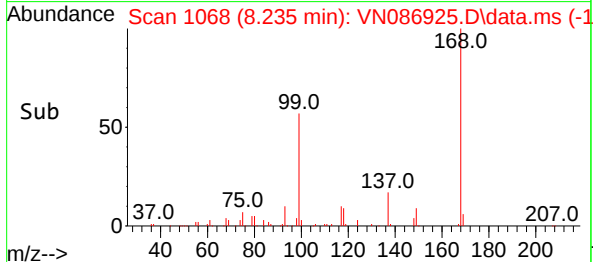
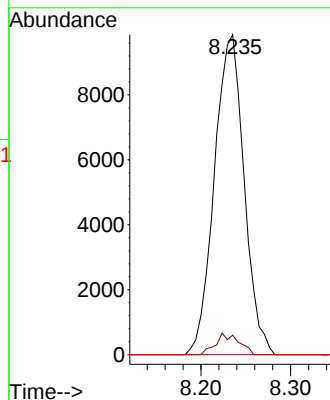
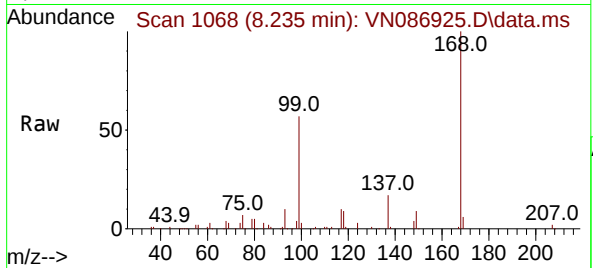




#38
Carbon Tetrachloride
Concen: 6.117 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

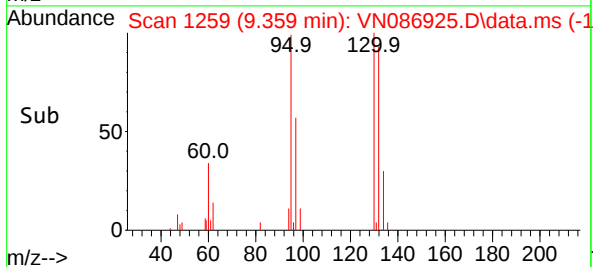
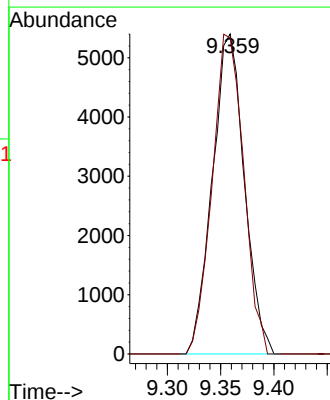
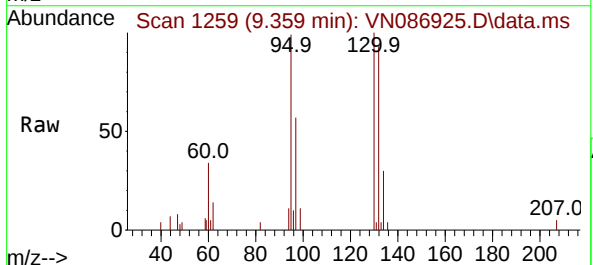
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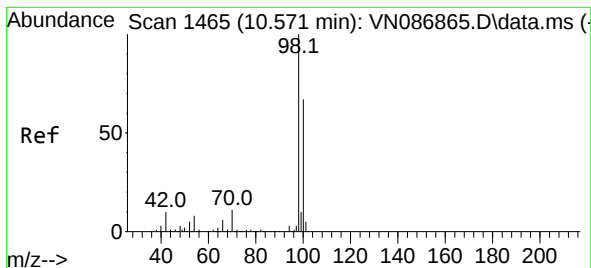
Tgt Ion:117 Resp: 22674
Ion Ratio Lower Upper
117 100
119 6.1 75.0 112.6#
121 0.0 24.9 37.3#



#44
Trichloroethene
Concen: 3.844 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

Tgt Ion:130 Resp: 11253
Ion Ratio Lower Upper
130 100
95 98.8 0.0 196.2





#50

Toluene-d8

Concen: 51.323 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086925.D

Acq: 10 Jun 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

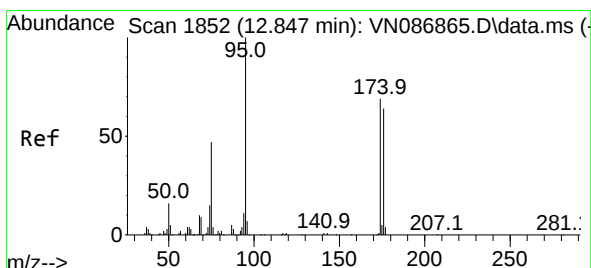
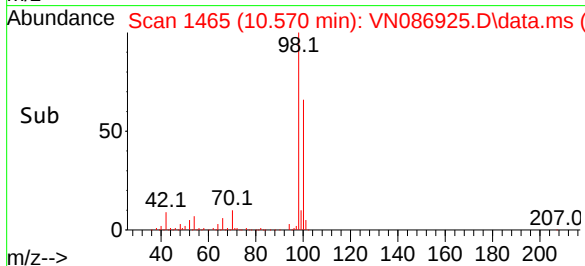
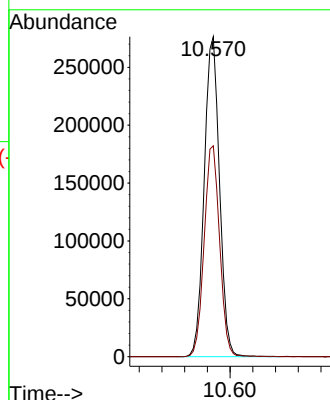
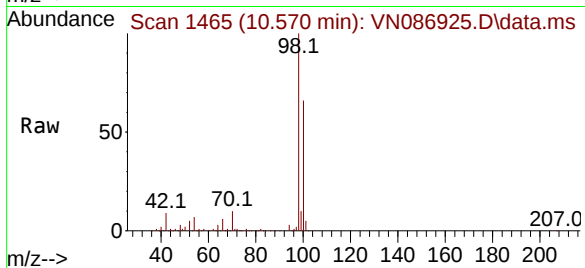
BP-VPB-182-TB-20250603

Tgt Ion: 98 Resp: 514786

Ion Ratio Lower Upper

98 100

100 66.6 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 49.132 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086925.D

Acq: 10 Jun 2025 13:55

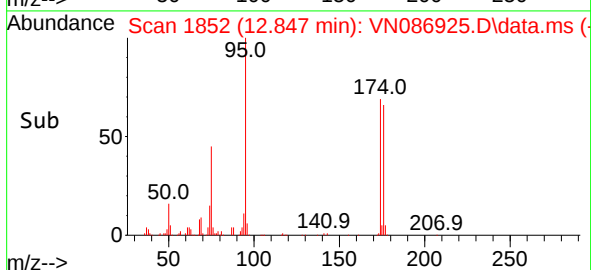
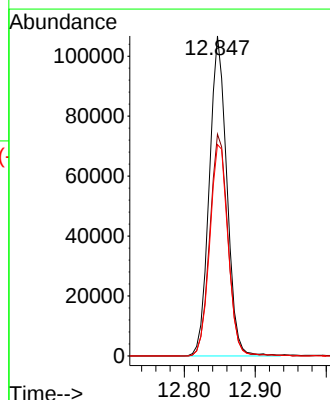
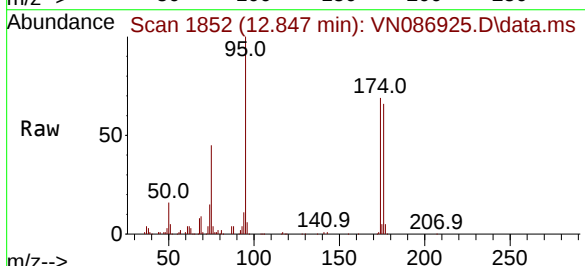
Tgt Ion: 95 Resp: 183096

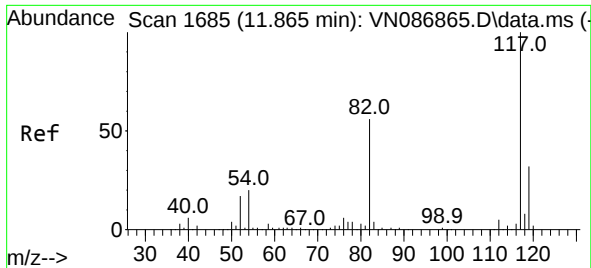
Ion Ratio Lower Upper

95 100

174 71.6 0.0 141.8

176 69.0 0.0 132.6

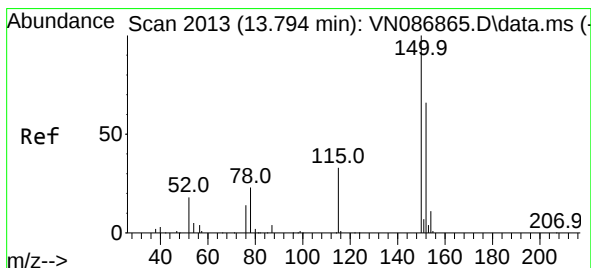
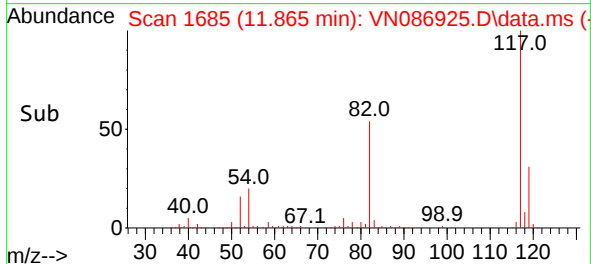
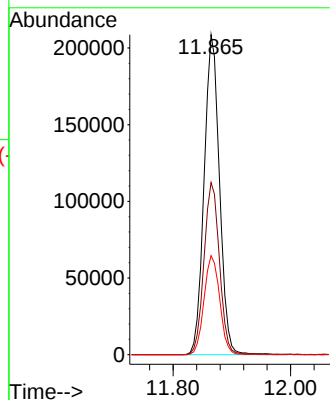
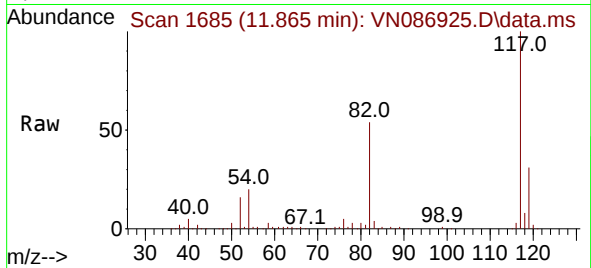




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

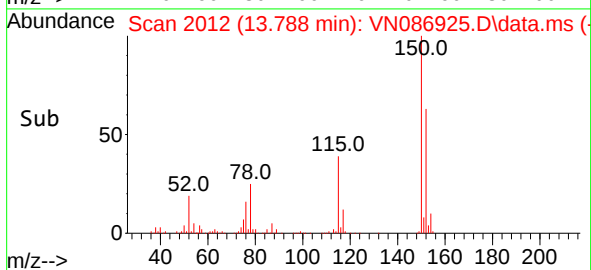
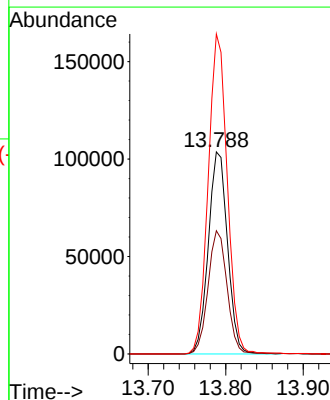
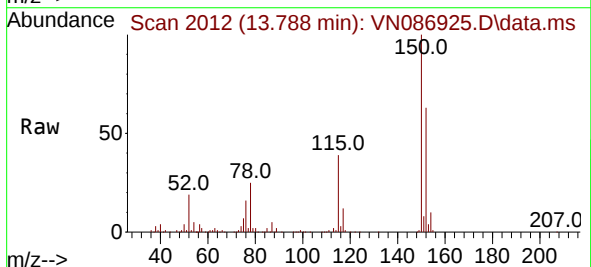
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250603

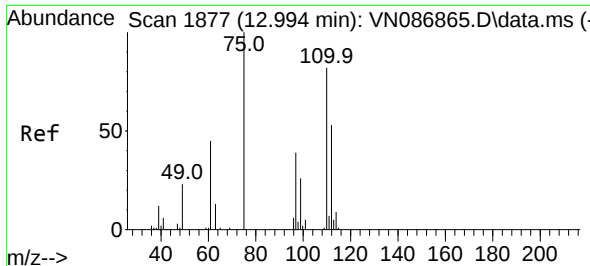
Tgt Ion:117 Resp: 378315
Ion Ratio Lower Upper
117 100
82 53.8 44.6 67.0
119 30.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

Tgt Ion:152 Resp: 178396
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 157.0 0.0 345.0

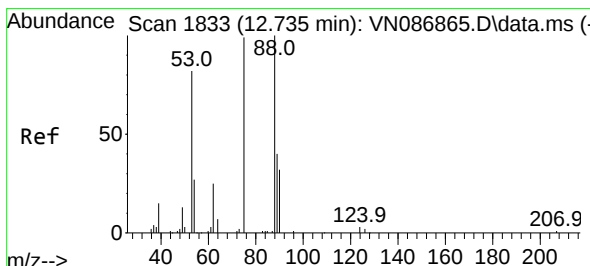
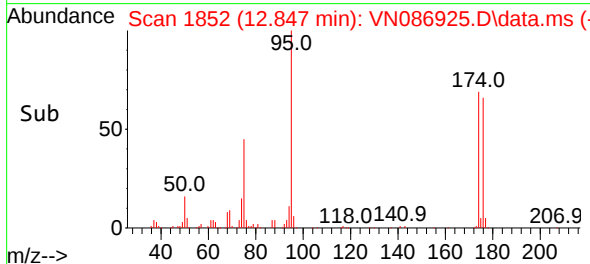
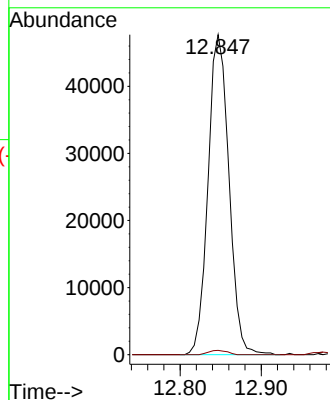
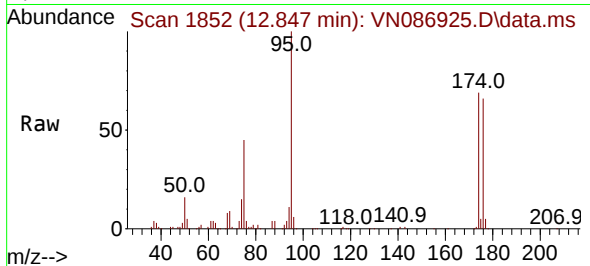




#76
1,2,3-Trichloropropane
Concen: 20.111 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

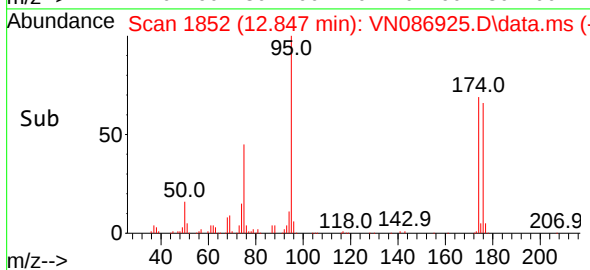
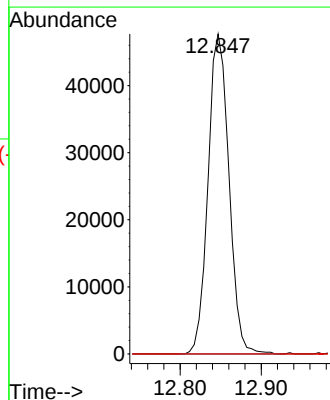
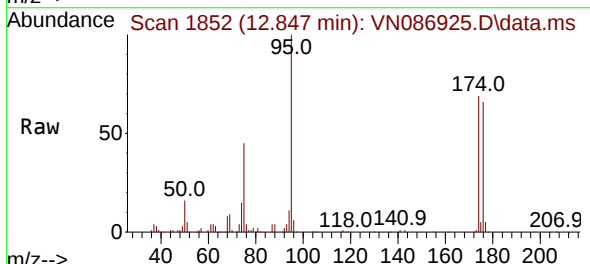
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250603

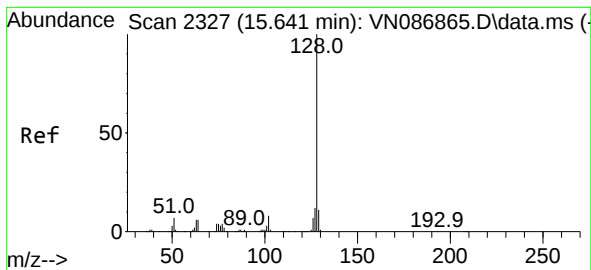
Tgt Ion: 75 Resp: 85282
Ion Ratio Lower Upper
75 100
77 1.2 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.295 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN086925.D
Acq: 10 Jun 2025 13:55

Tgt Ion: 75 Resp: 85282
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 0.273 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086925.D

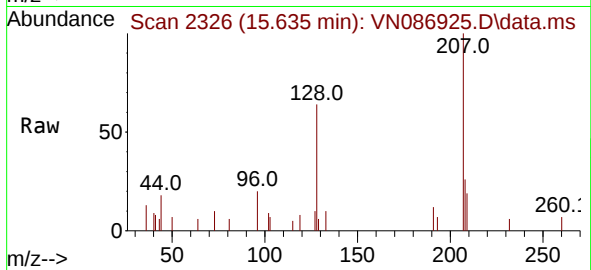
Acq: 10 Jun 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-TB-20250603



Tgt Ion:	128	Resp:	3649
Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.2	15.2
129	11.4	8.8	13.2

