

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086874.D
 Acq On : 06 Jun 2025 18:19
 Operator : JC\MD
 Sample : Q2254-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-GW-810-812

Quant Time: Jun 07 02:28:04 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)

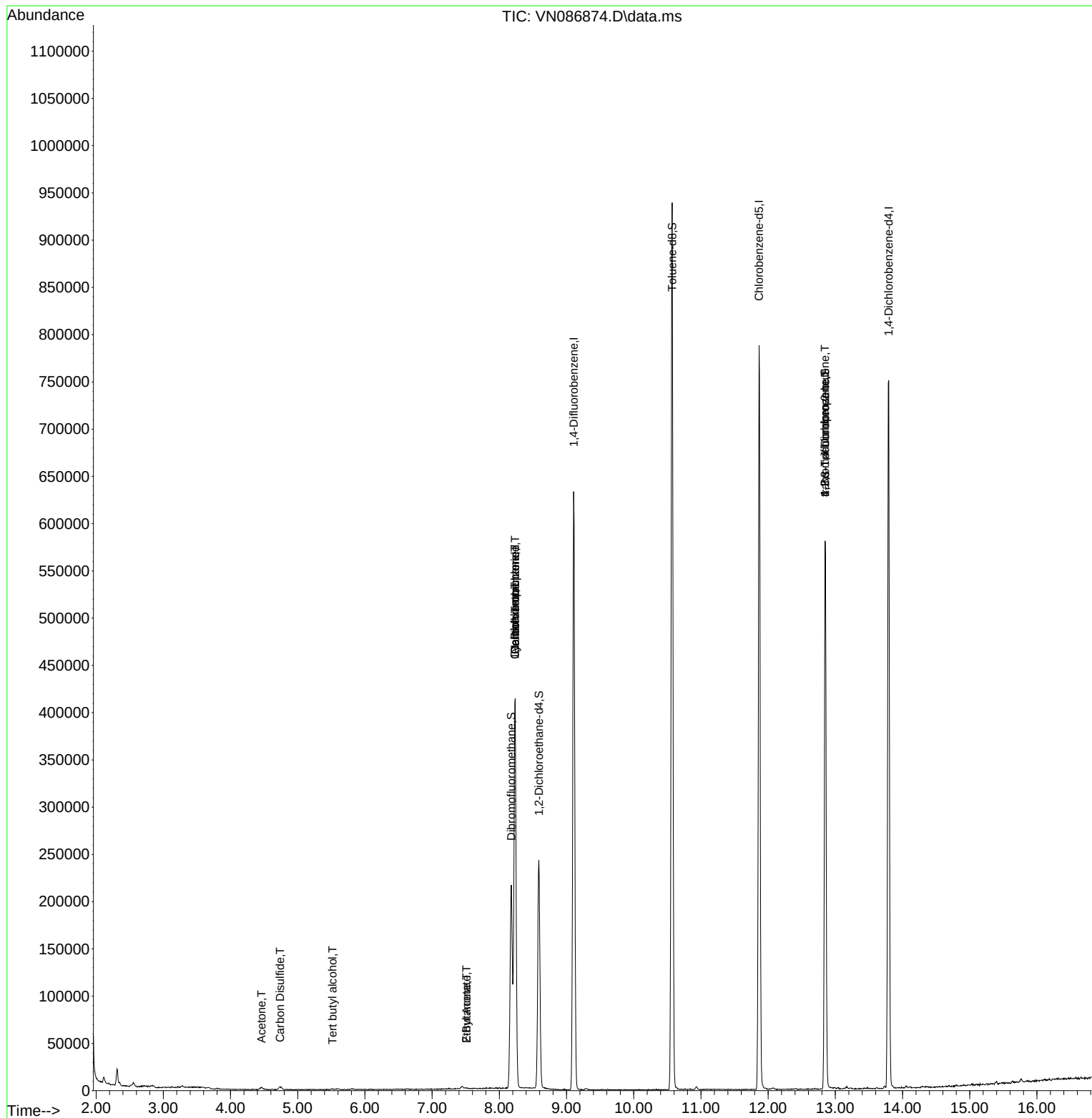
Internal Standards						
1) Pentafluorobenzene	8.236	168	320576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	573268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	482982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	222332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	197629	46.044	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.080%
35) Dibromofluoromethane	8.177	113	163787	48.211	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.420%
50) Toluene-d8	10.571	98	679749	50.542	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.080%
62) 4-Bromofluorobenzene	12.847	95	235508	47.132	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	631	0.542	ug/l #	73
16) Acetone	4.459	43	5088	2.235	ug/l #	84
17) Carbon Disulfide	4.736	76	3383	0.343	ug/l #	75
25) 2-Butanone	7.512	43	1473	0.398	ug/l	95
31) Cyclohexane	8.230	56	6206	0.891	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	25224	4.983	ug/l #	48
37) Ethyl Acetate	7.512	43	1473	0.229	ug/l #	66
38) Carbon Tetrachloride	8.236	117	31580	6.354	ug/l #	17
76) 1,2,3-Trichloropropane	12.847	75	112572	21.301	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	112572	49.033	ug/l #	16

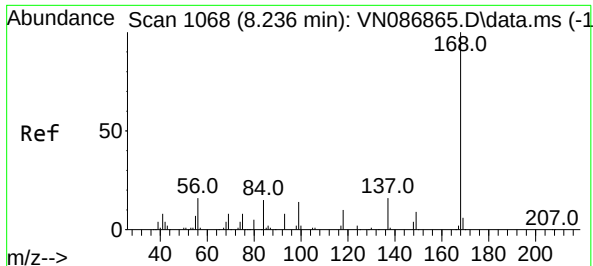
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

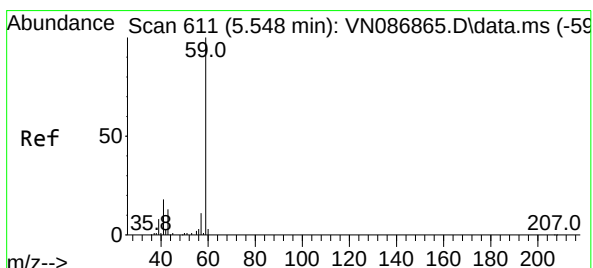
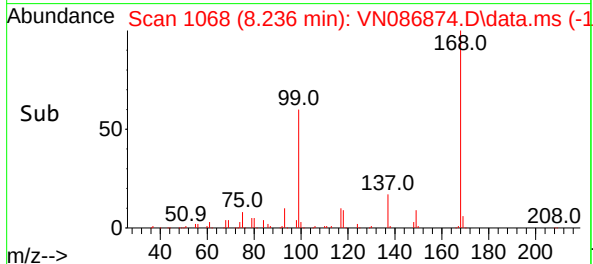
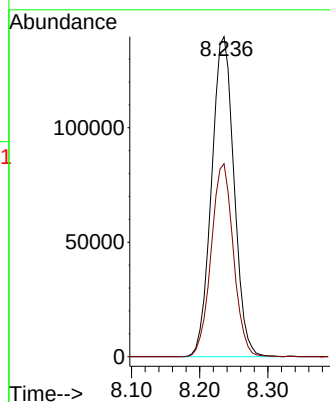
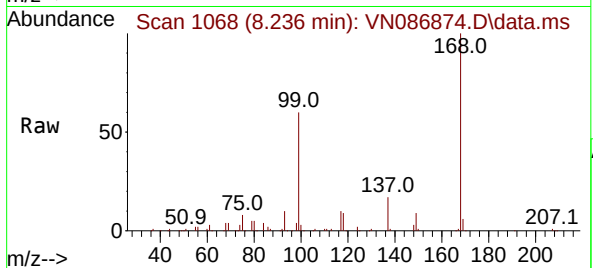




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

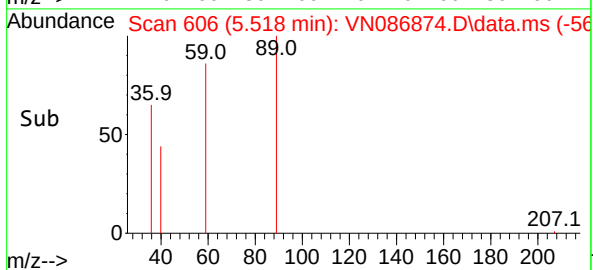
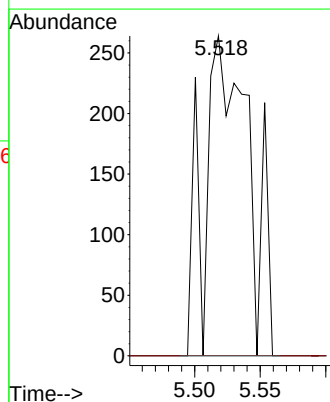
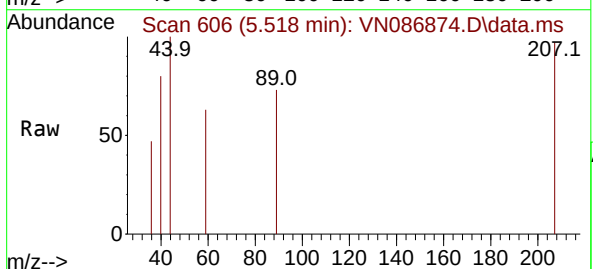
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

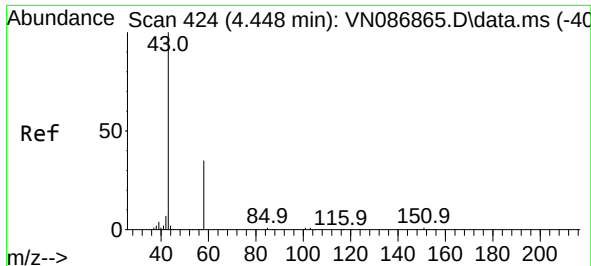
Tgt Ion:168 Resp: 320576
Ion Ratio Lower Upper
168 100
99 60.3 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.542 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.029 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

Tgt Ion: 59 Resp: 631
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

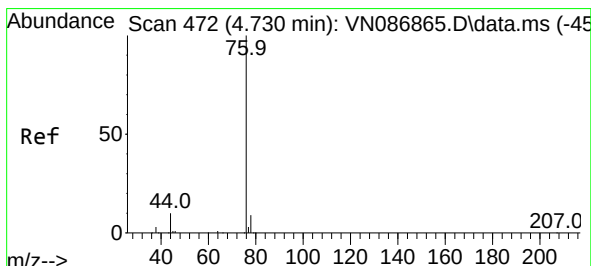
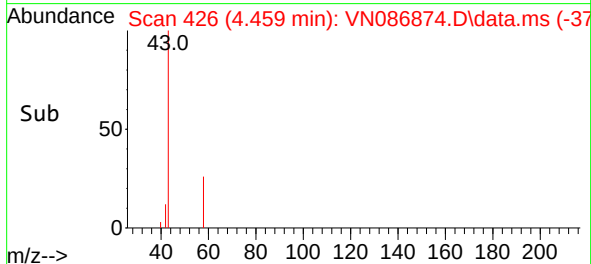
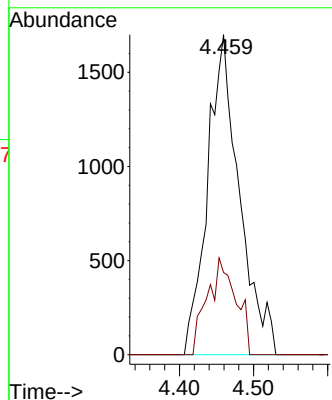
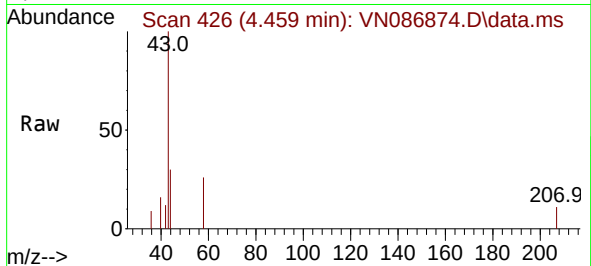




#16
Acetone
Concen: 2.235 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

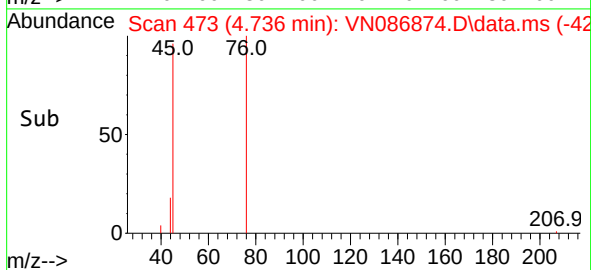
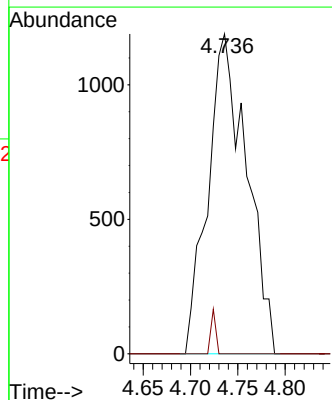
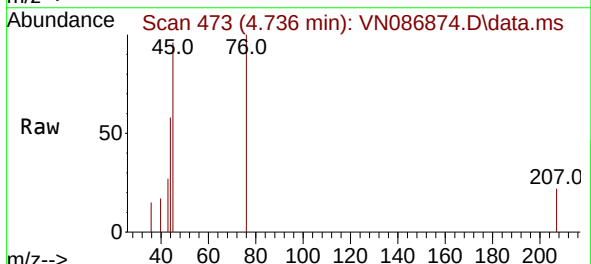
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

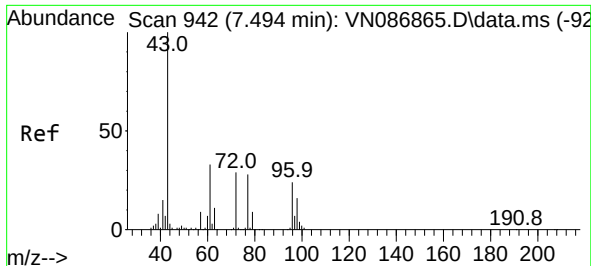
Tgt Ion: 43 Resp: 5088
Ion Ratio Lower Upper
43 100
58 25.7 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.343 ug/l
RT: 4.736 min Scan# 473
Delta R.T. 0.006 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

Tgt Ion: 76 Resp: 3383
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

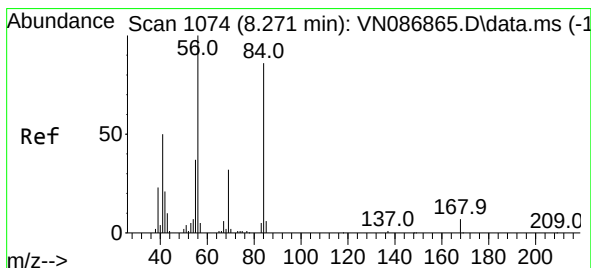
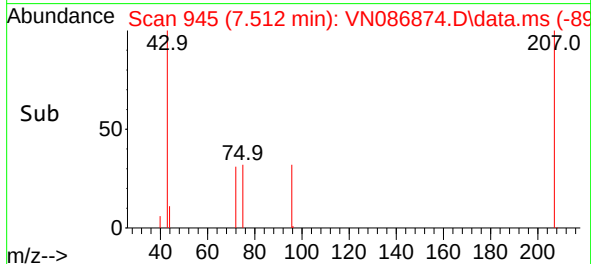
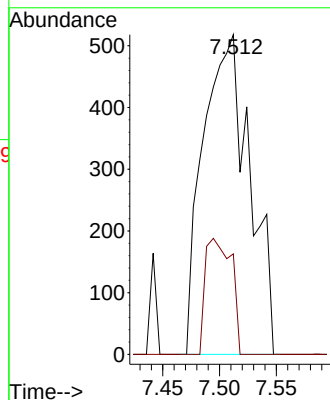
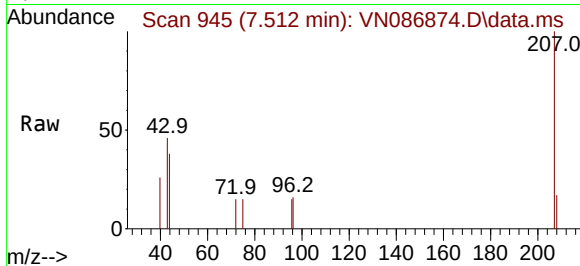




#25
2-Butanone
Concen: 0.398 ug/l
RT: 7.512 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

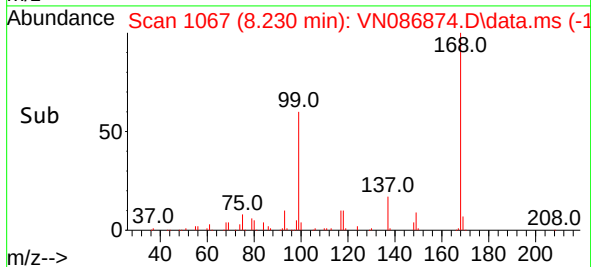
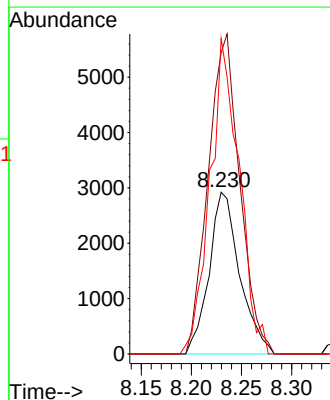
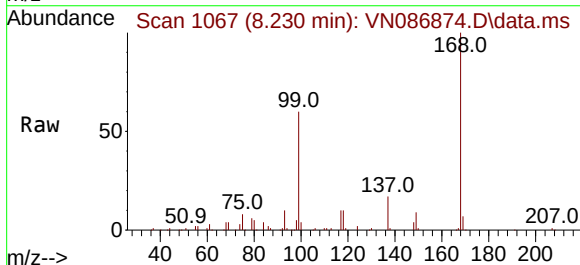
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

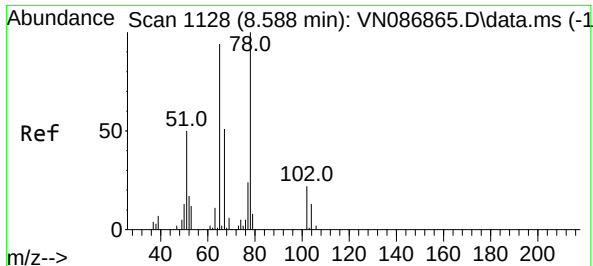
Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
72 31.5 23.0 34.6



#31
Cyclohexane
Concen: 0.891 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

Tgt Ion: 56 Resp: 6206
Ion Ratio Lower Upper
56 100
69 186.3 25.4 38.0#
84 195.0 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 46.044 ug/l

RT: 8.589 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN086874.D

Acq: 06 Jun 2025 18:19

Instrument :

MSVOA_N

ClientSampleId :

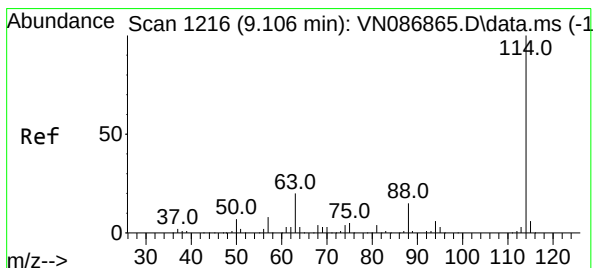
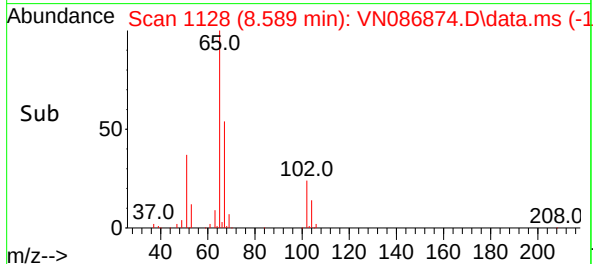
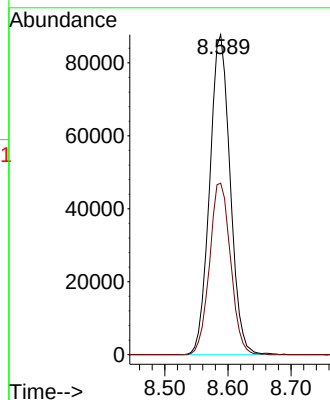
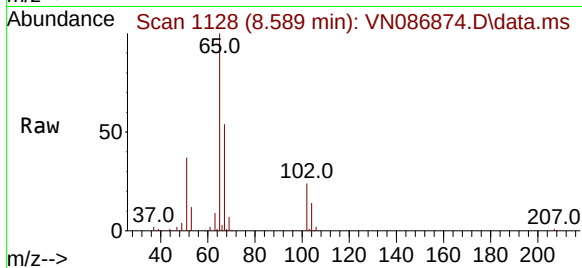
BP-VPB-182-GW-810-812

Tgt Ion: 65 Resp: 197629

Ion Ratio Lower Upper

65 100

67 55.1 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: VN086874.D

Acq: 06 Jun 2025 18:19

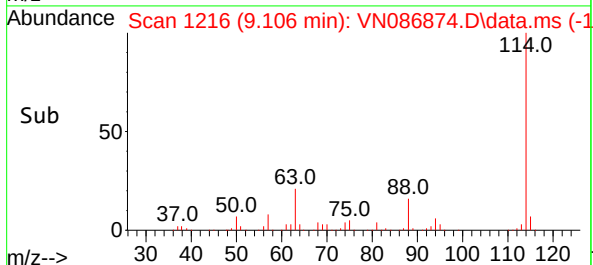
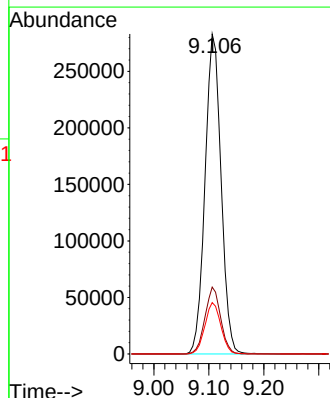
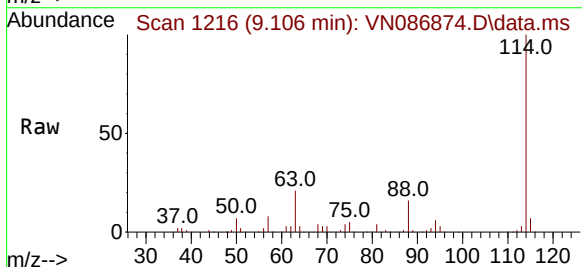
Tgt Ion: 114 Resp: 573268

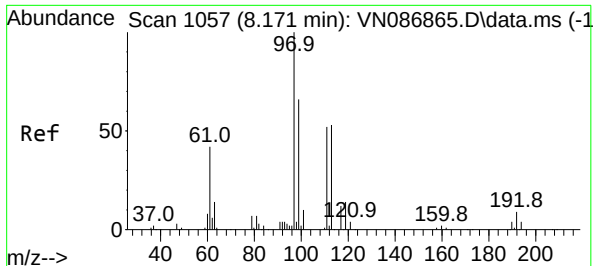
Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.6

88 16.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.211 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086874.D

Acq: 06 Jun 2025 18:19

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-GW-810-812

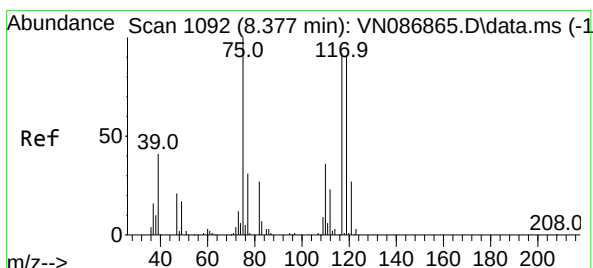
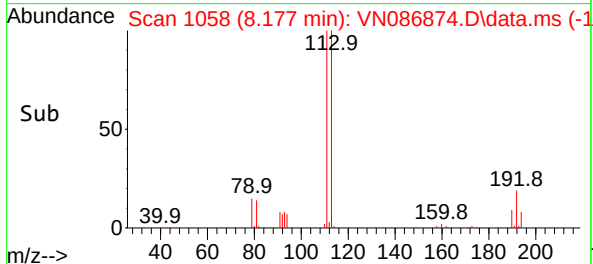
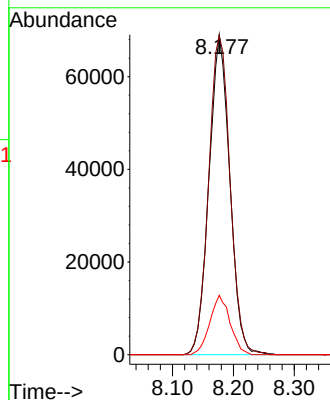
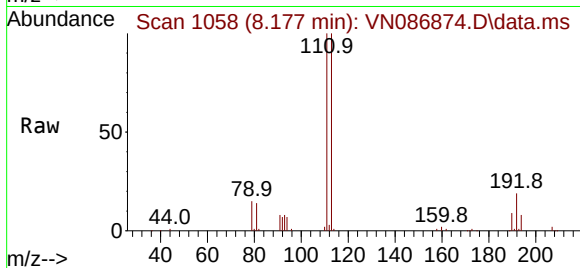
Tgt Ion:113 Resp: 163787

Ion Ratio Lower Upper

113 100

111 103.0 84.2 126.2

192 18.1 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.983 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086874.D

Acq: 06 Jun 2025 18:19

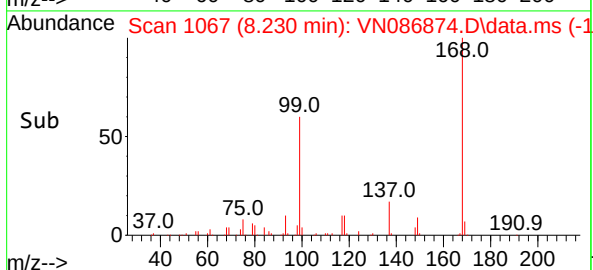
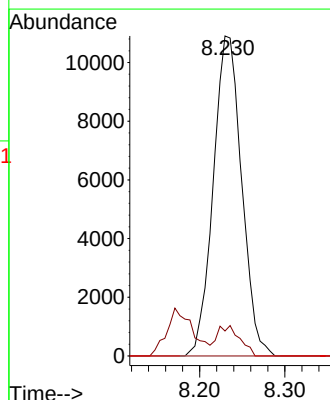
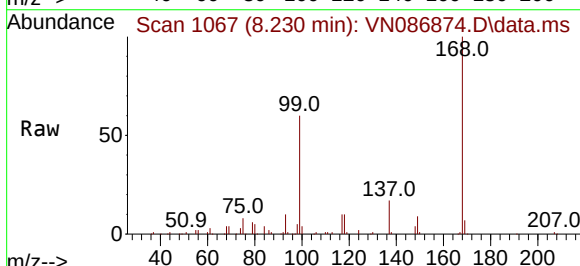
Tgt Ion: 75 Resp: 25224

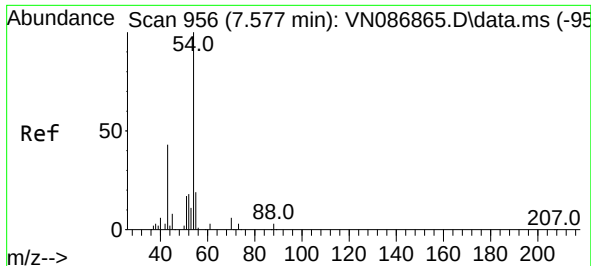
Ion Ratio Lower Upper

75 100

110 7.6 17.6 52.9#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.229 ug/l

RT: 7.512 min Scan# 945

Delta R.T. -0.065 min

Lab File: VN086874.D

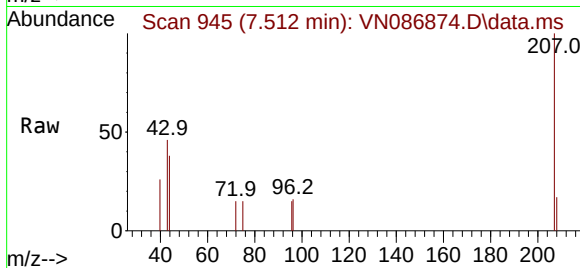
Acq: 06 Jun 2025 18:19

Instrument :

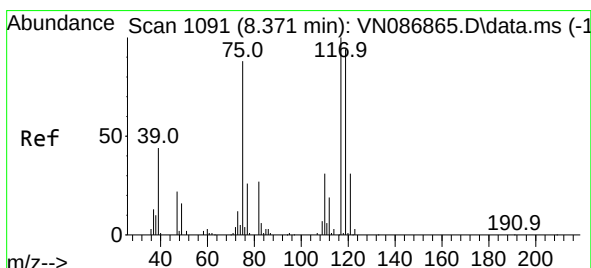
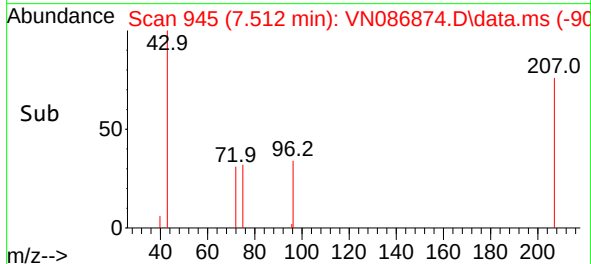
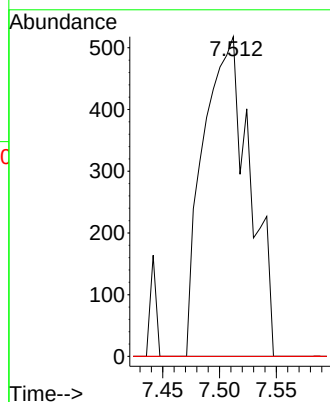
MSVOA_N

ClientSampleId :

BP-VPB-182-GW-810-812



Tgt Ion:	43	Resp:	1473
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	9.8	14.6#



#38

Carbon Tetrachloride

Concen: 6.354 ug/l

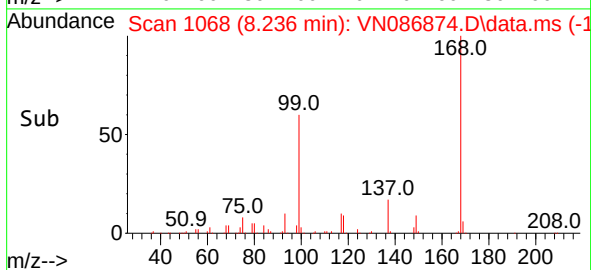
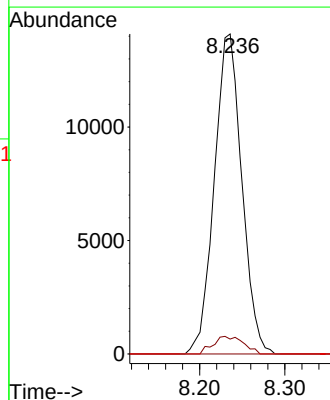
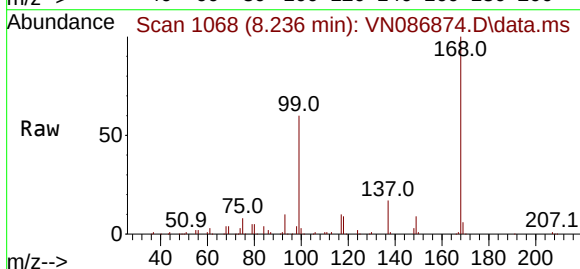
RT: 8.236 min Scan# 1068

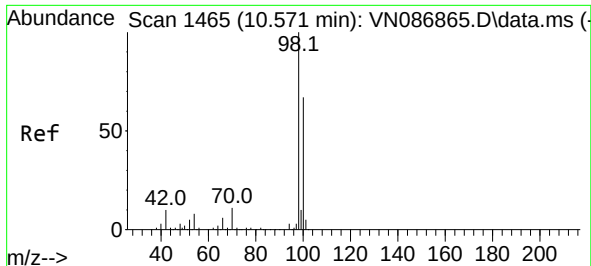
Delta R.T. -0.135 min

Lab File: VN086874.D

Acq: 06 Jun 2025 18:19

Tgt Ion:	117	Resp:	31580
Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.0	112.6#
121	0.0	24.9	37.3#

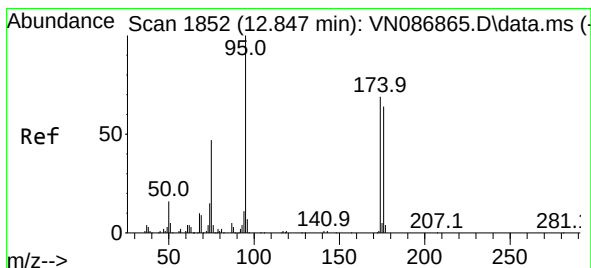
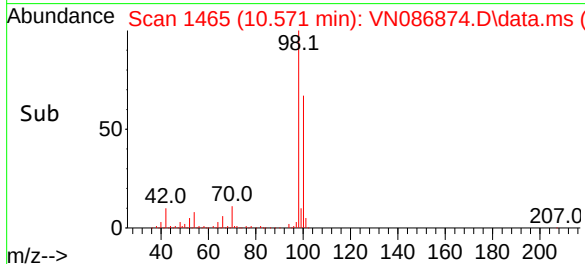
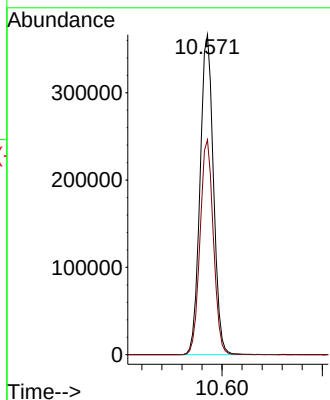
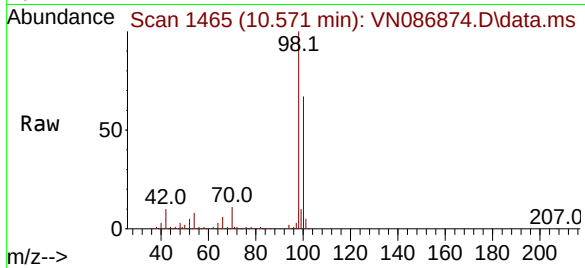




#50
Toluene-d8
Concen: 50.542 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

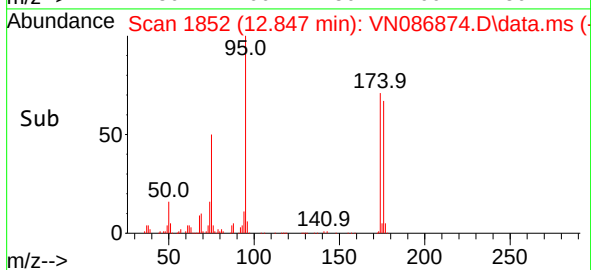
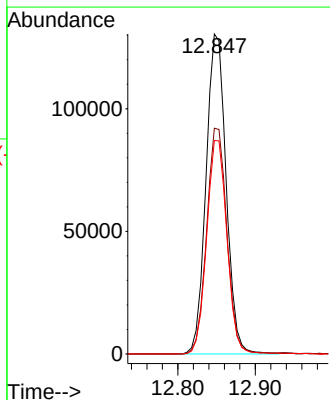
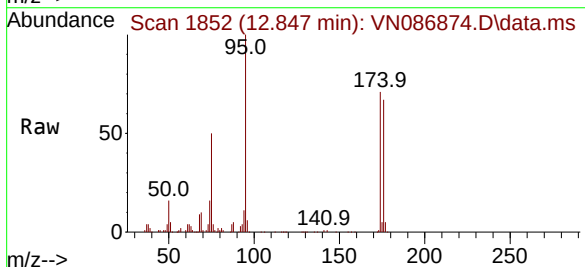
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

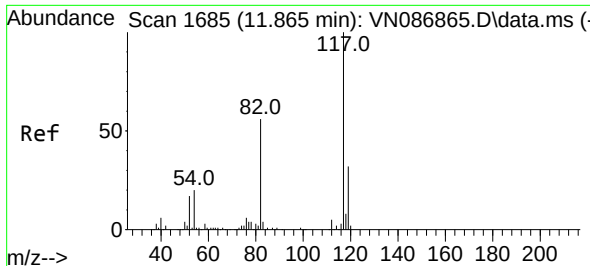
Tgt Ion: 98 Resp: 679749
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 47.132 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

Tgt Ion: 95 Resp: 235508
Ion Ratio Lower Upper
95 100
174 71.4 0.0 141.8
176 67.1 0.0 132.6

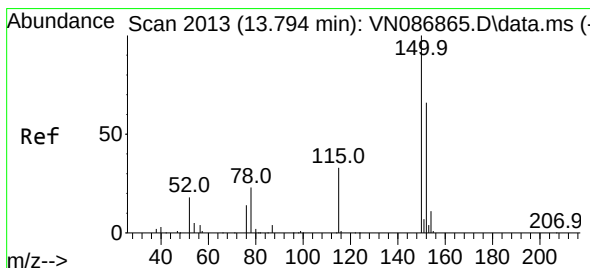
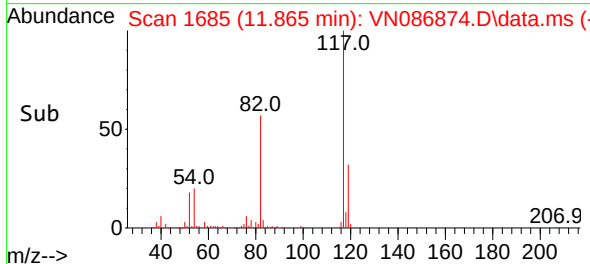
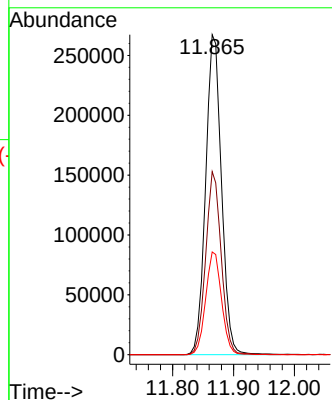
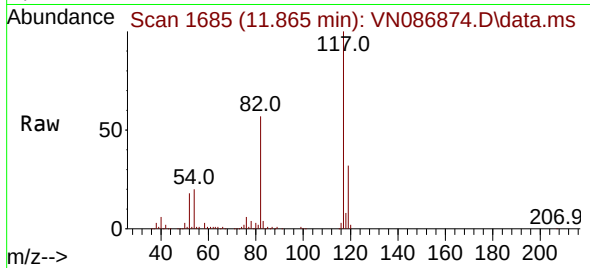




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

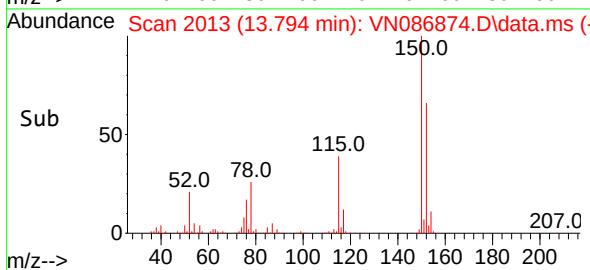
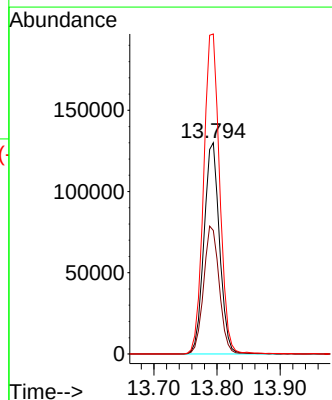
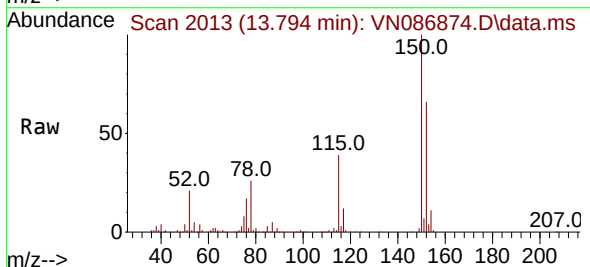
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

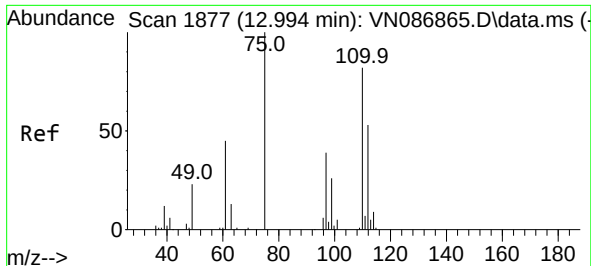
Tgt Ion:117 Resp: 482982
Ion Ratio Lower Upper
117 100
82 57.2 44.6 67.0
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

Tgt Ion:152 Resp: 222332
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.5
150 156.4 0.0 345.0

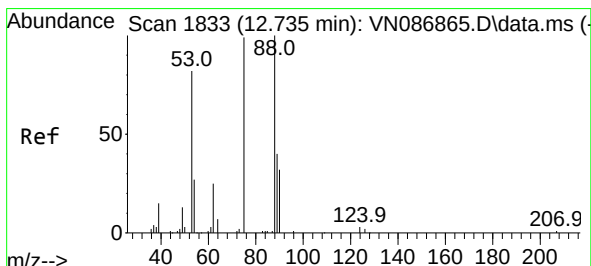
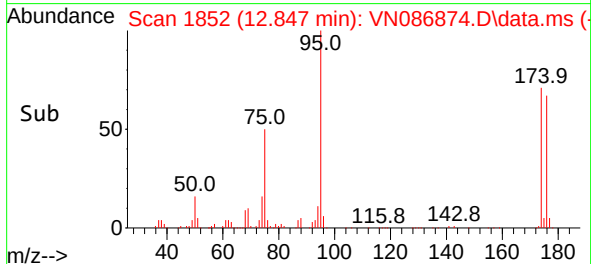
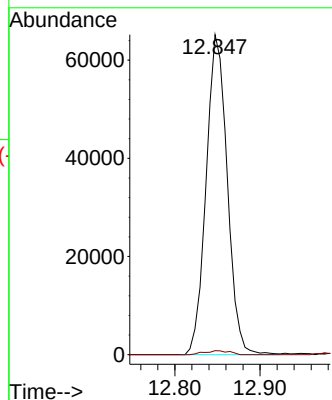
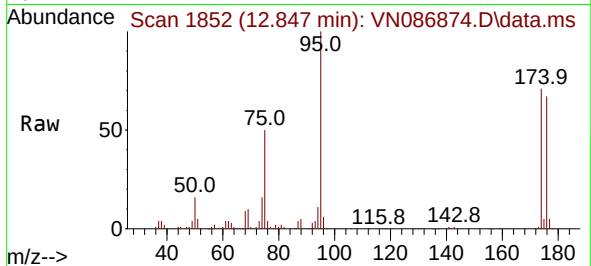




#76
1,2,3-Trichloropropane
Concen: 21.301 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Tgt Ion: 75 Resp: 112572
Ion Ratio Lower Upper
75 100
77 1.5 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 49.033 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086874.D
Acq: 06 Jun 2025 18:19

Tgt Ion: 75 Resp: 112572
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

