

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086927.D
 Acq On : 10 Jun 2025 14:38
 Operator : JC\MD
 Sample : Q2251-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-EB-20250604

Quant Time: Jun 11 01:55:39 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)

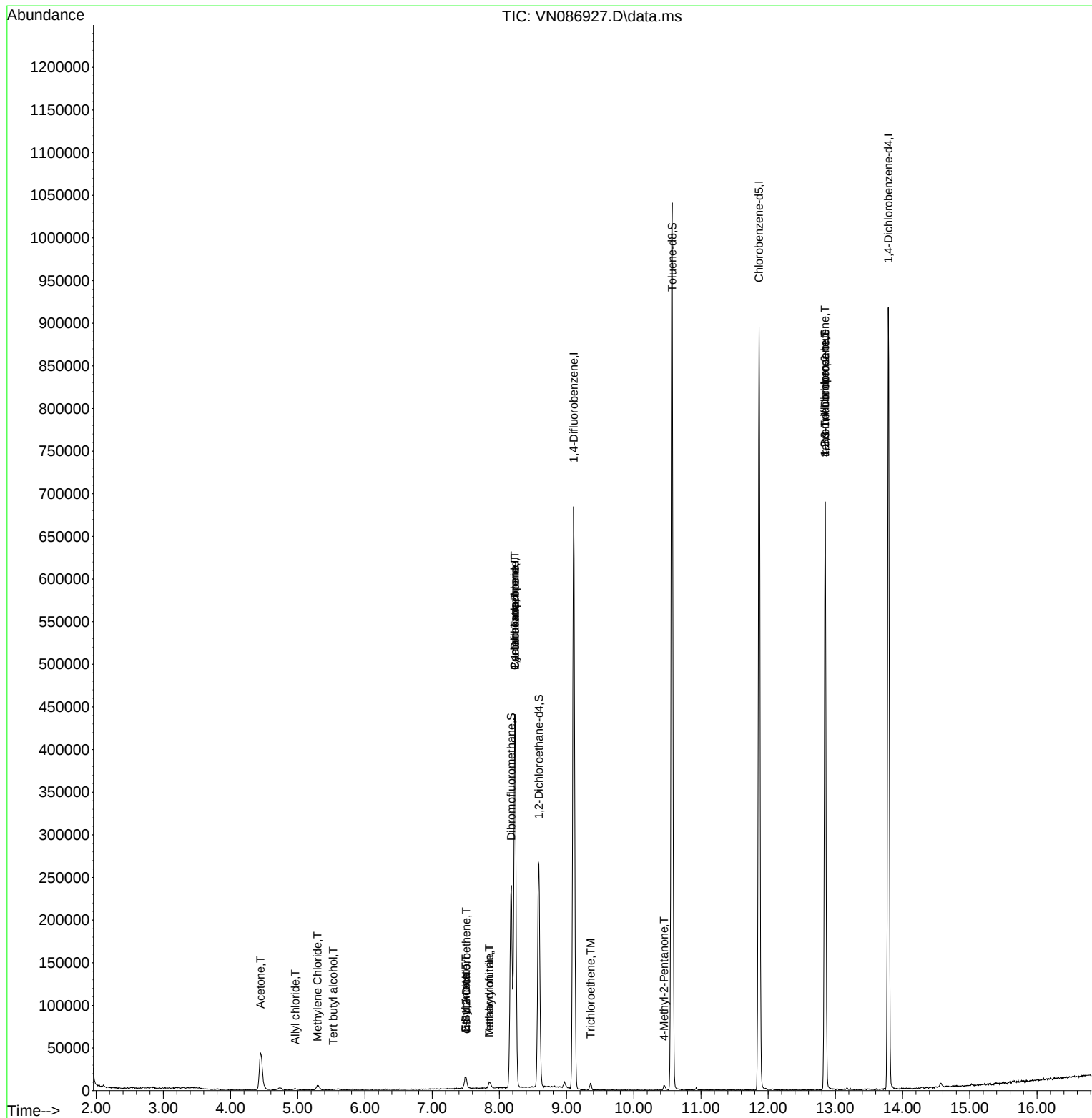
Internal Standards						
1) Pentafluorobenzene	8.230	168	343303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	636093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	555219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	265337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	217311	47.278	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.560%
35) Dibromofluoromethane	8.177	113	185052	49.090	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.180%
50) Toluene-d8	10.571	98	768488	51.497	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.847	95	275056	49.610	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	1494	1.198	ug/l #	73
14) Allyl chloride	4.965	41	2146	0.339	ug/l #	29
16) Acetone	4.447	43	88262	36.210	ug/l	96
20) Methylene Chloride	5.294	84	4388	0.962	ug/l	92
25) 2-Butanone	7.500	43	22331	5.636	ug/l	97
27) cis-1,2-Dichloroethene	7.506	96	2617	0.515	ug/l	37
29) Tetrahydrofuran	7.853	42	5929	2.297	ug/l #	82
31) Cyclohexane	8.230	56	5919	0.794	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	25739	4.582	ug/l #	48
37) Ethyl Acetate	7.500	43	22331	3.123	ug/l #	75
38) Carbon Tetrachloride	8.230	117	33219	6.024	ug/l #	17
41) Methacrylonitrile	7.853	41	3146	0.783	ug/l #	39
44) Trichloroethene	9.359	130	3246	0.745	ug/l	86
51) 4-Methyl-2-Pentanone	10.453	43	4910	0.711	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	124969	19.814	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	124969	45.610	ug/l #	16

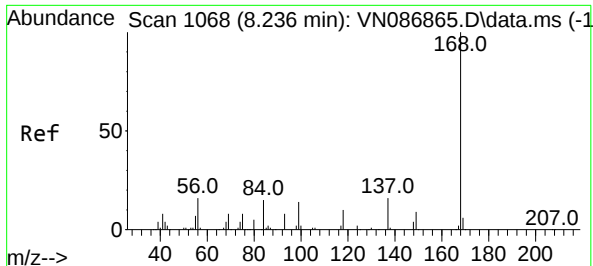
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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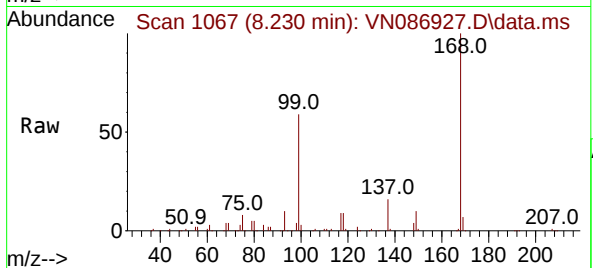
Quant Time: Jun 11 01:55:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



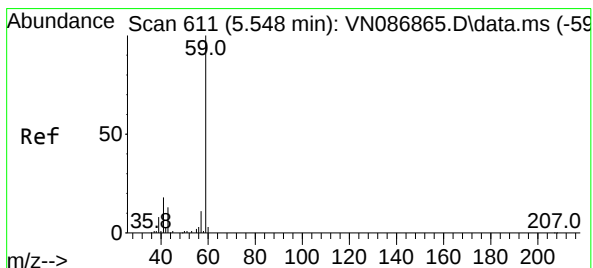
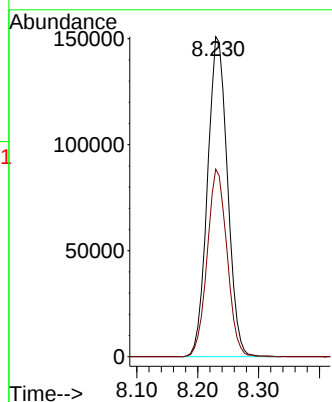
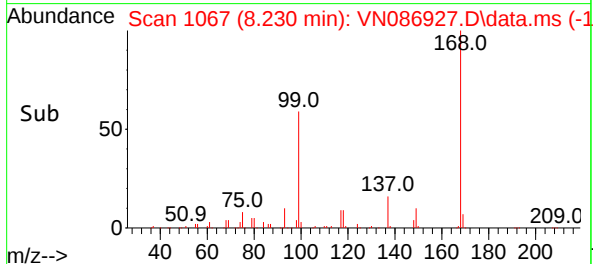


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

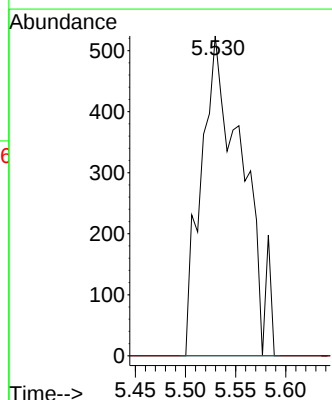
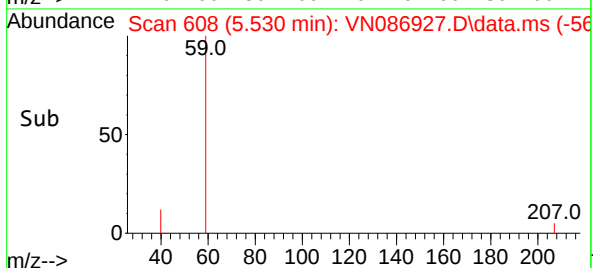
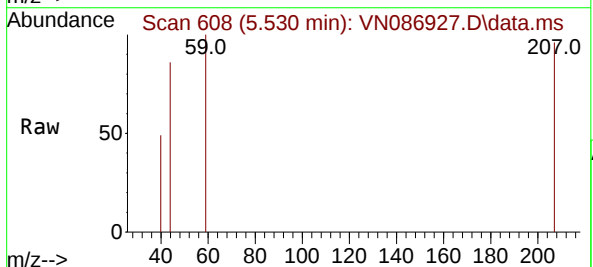


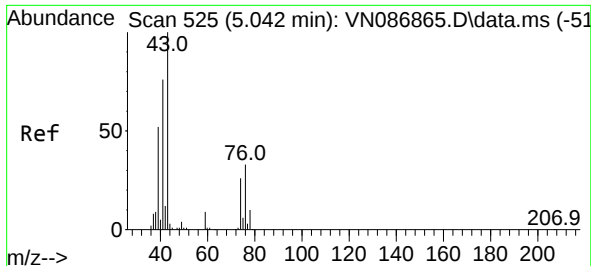
Tgt Ion:168 Resp: 343303
Ion Ratio Lower Upper
168 100
99 58.6 49.1 73.7



#11
Tert butyl alcohol
Concen: 1.198 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

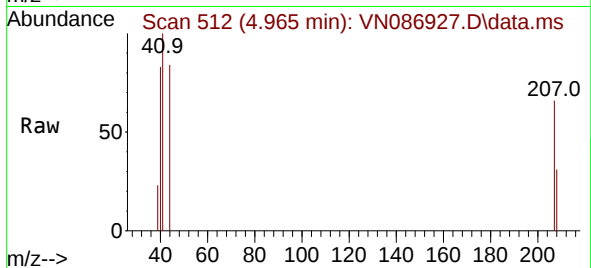
Tgt Ion: 59 Resp: 1494
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



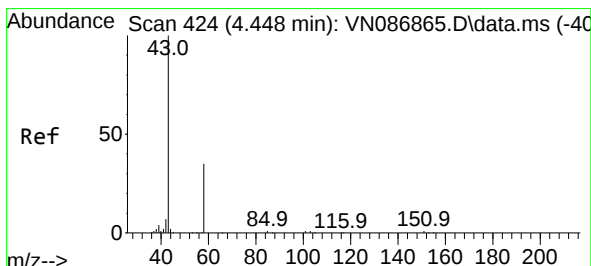
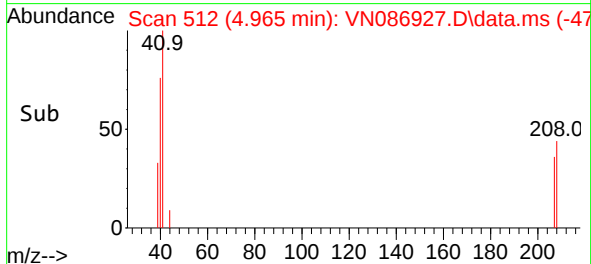
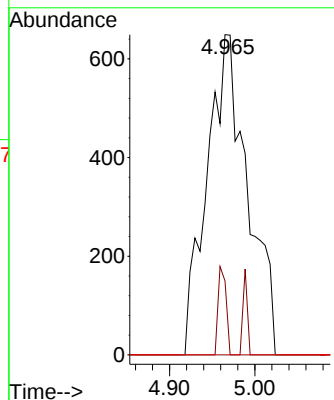


#14
 Allyl chloride
 Concen: 0.339 ug/l
 RT: 4.965 min Scan# 512
 Delta R.T. -0.077 min
 Lab File: VN086927.D
 Acq: 10 Jun 2025 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-EB-20250604

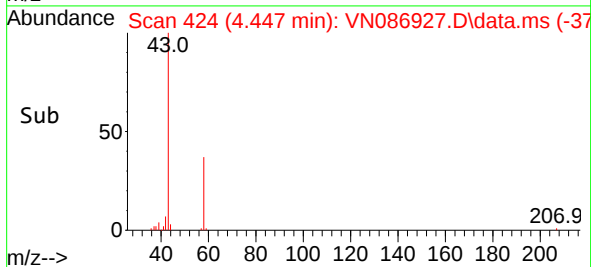
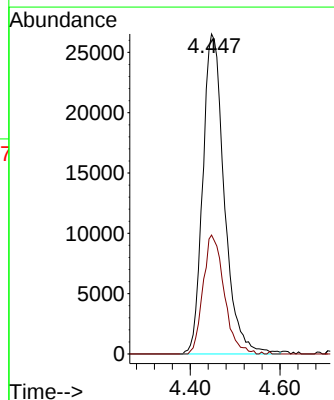
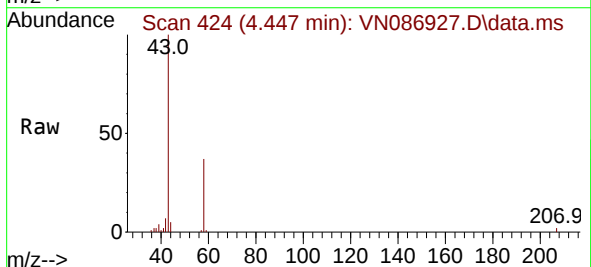


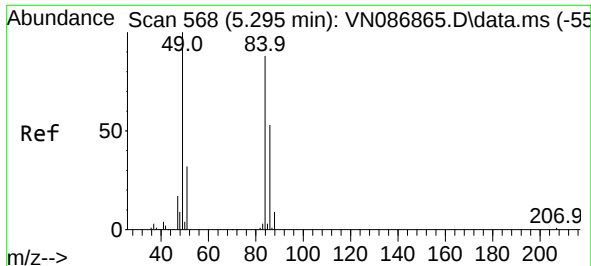
Tgt Ion: 41 Resp: 2146
 Ion Ratio Lower Upper
 41 100
 39 5.4 51.3 76.9#
 76 0.0 31.4 47.0#



#16
 Acetone
 Concen: 36.210 ug/l
 RT: 4.447 min Scan# 424
 Delta R.T. -0.000 min
 Lab File: VN086927.D
 Acq: 10 Jun 2025 14:38

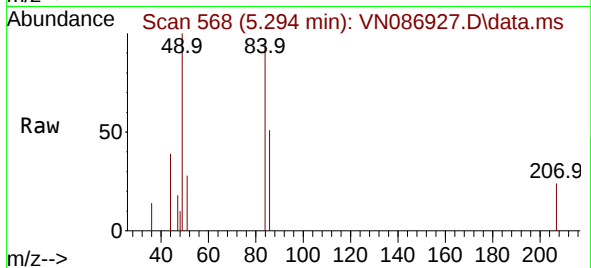
Tgt Ion: 43 Resp: 88262
 Ion Ratio Lower Upper
 43 100
 58 37.1 28.0 42.0



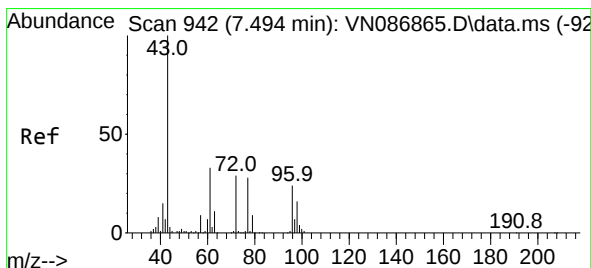
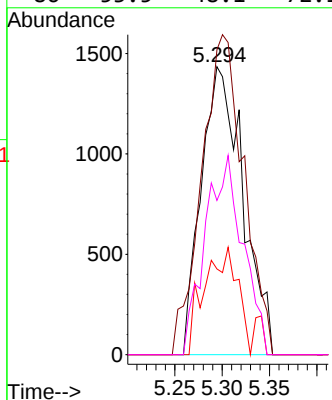
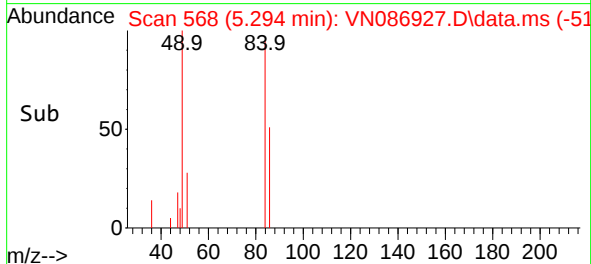


#20
Methylene Chloride
Concen: 0.962 ug/l
RT: 5.294 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

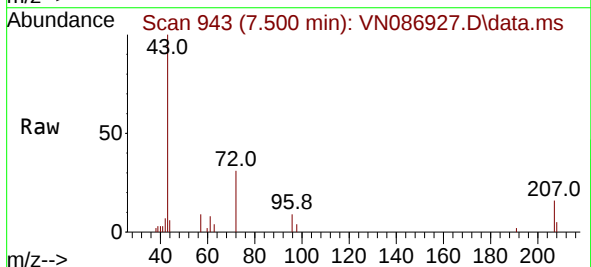
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604



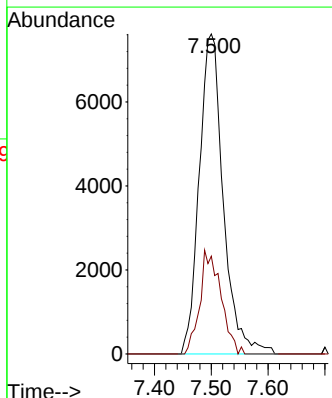
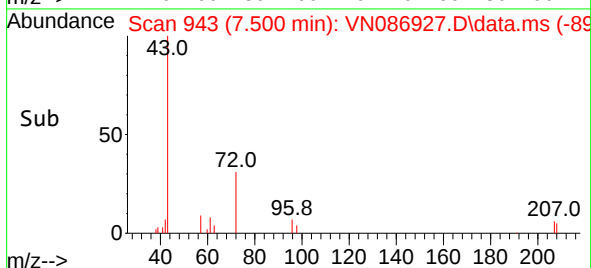
Tgt Ion:	84	Resp:	4388
Ion	Ratio	Lower	Upper
84	100		
49	105.8	90.5	135.7
51	29.8	28.5	42.7
86	53.5	48.1	72.1

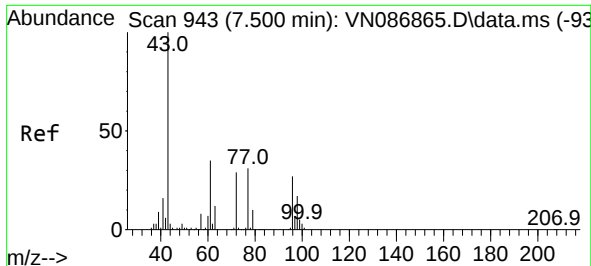


#25
2-Butanone
Concen: 5.636 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38



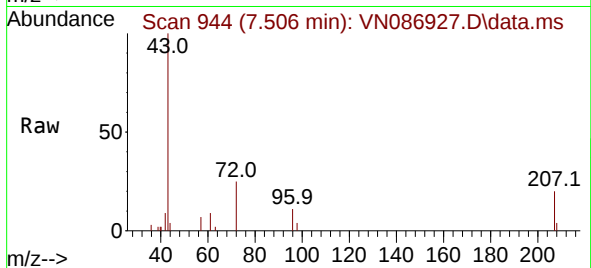
Tgt Ion:	43	Resp:	22331
Ion	Ratio	Lower	Upper
43	100		
72	30.6	23.0	34.6



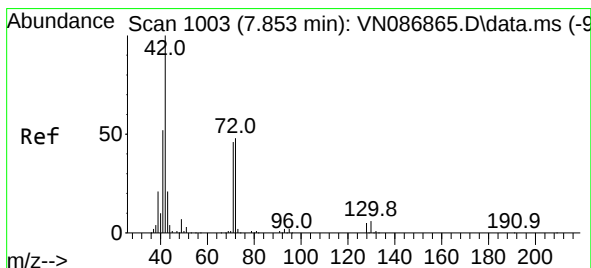
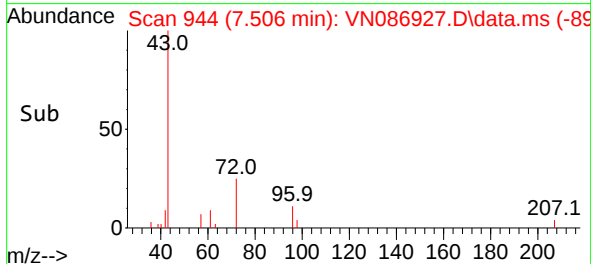
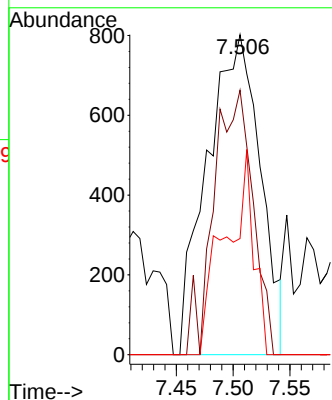


#27
cis-1,2-Dichloroethene
Concen: 0.515 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

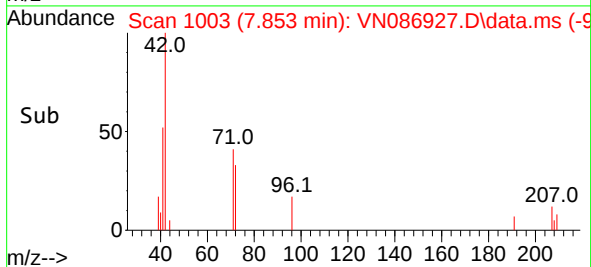
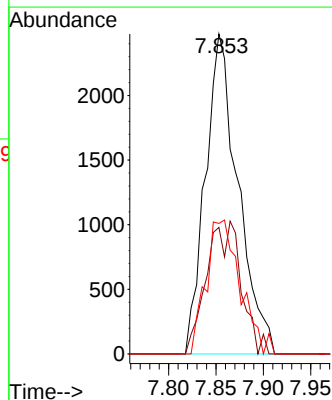
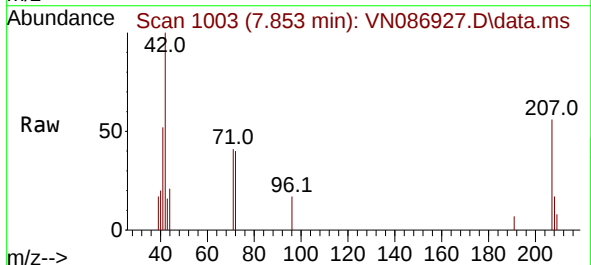


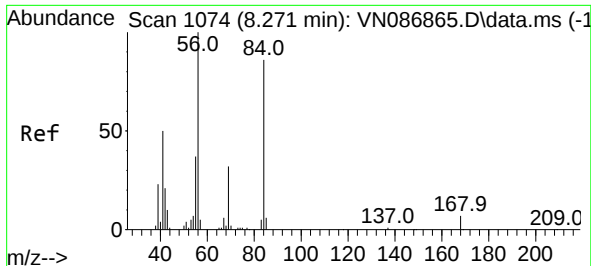
Tgt Ion: 96 Resp: 2617
Ion Ratio Lower Upper
96 100
61 60.9 0.0 278.0
98 16.7 0.0 128.2



#29
Tetrahydrofuran
Concen: 2.297 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Tgt Ion: 42 Resp: 5929
Ion Ratio Lower Upper
42 100
72 24.8 37.8 56.6#
71 43.9 35.6 53.4

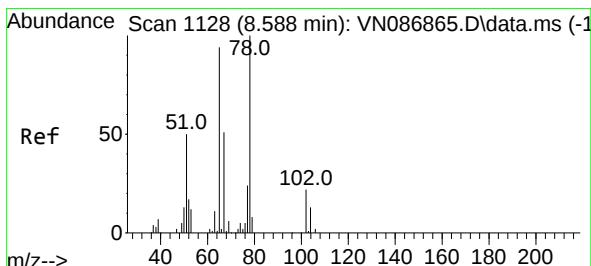
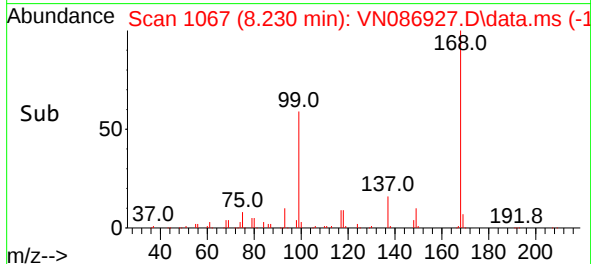
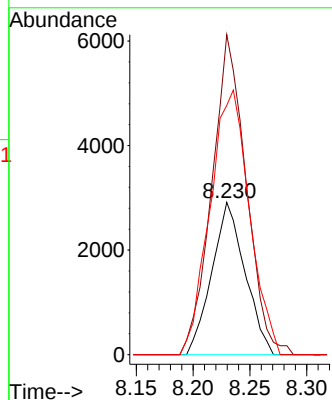
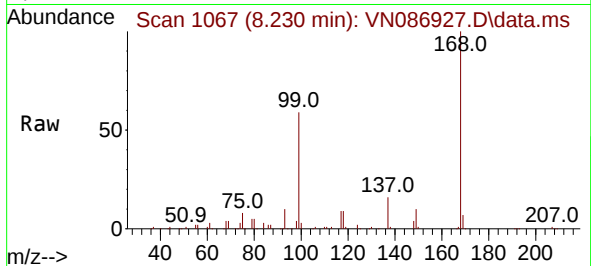




#31
Cyclohexane
Concen: 0.794 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

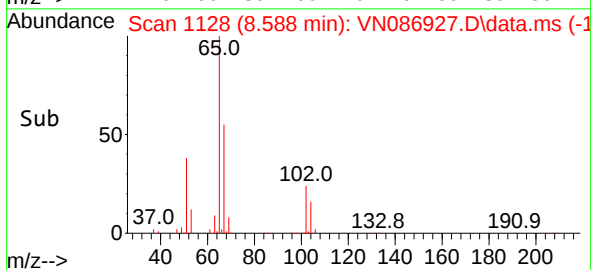
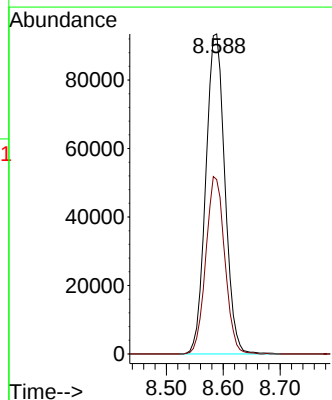
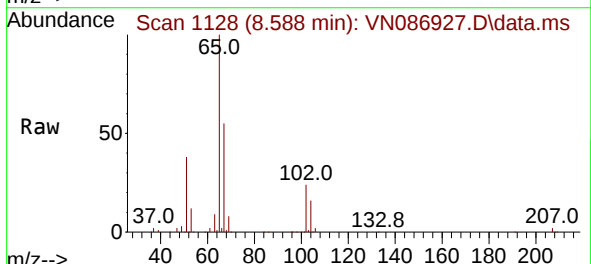
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MSVOA_N
ClientSampleId :
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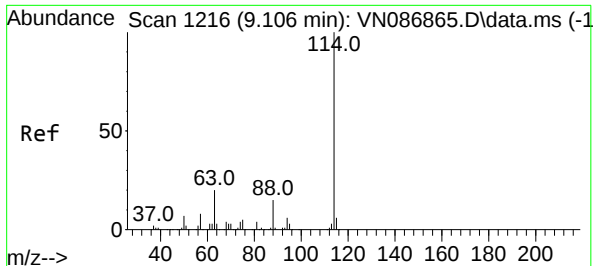
Tgt Ion: 56 Resp: 5919
Ion Ratio Lower Upper
56 100
69 210.2 25.4 38.0#
84 163.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.278 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Tgt Ion: 65 Resp: 217311
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# 1

Delta R.T. -0.000 min

Lab File: VN086927.D

Acq: 10 Jun 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-EB-20250604

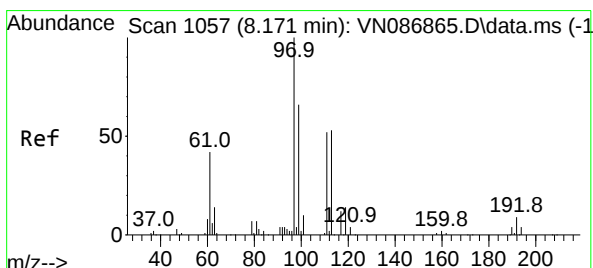
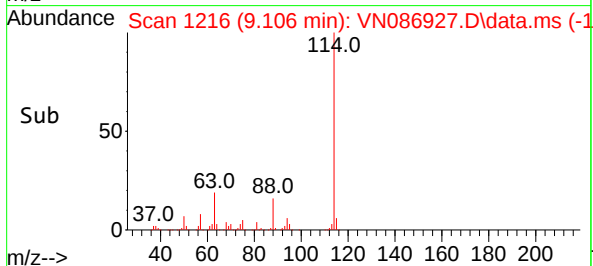
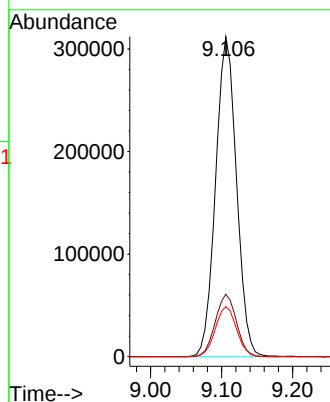
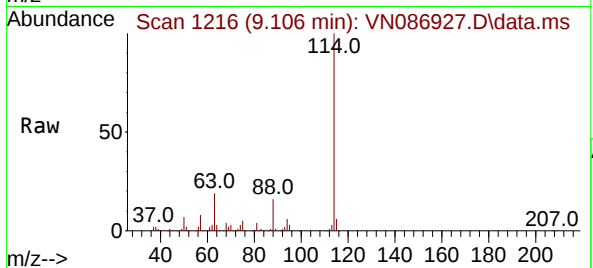
Tgt Ion:114 Resp: 636093

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.090 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086927.D

Acq: 10 Jun 2025 14:38

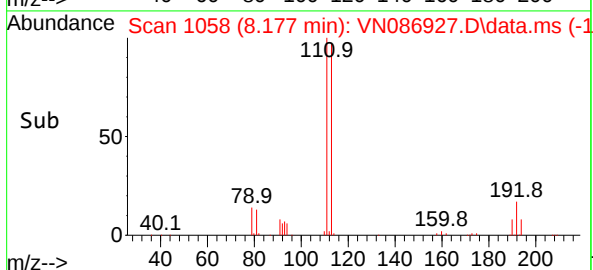
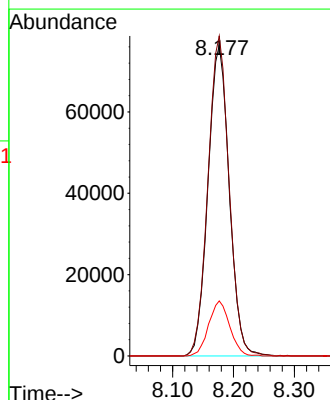
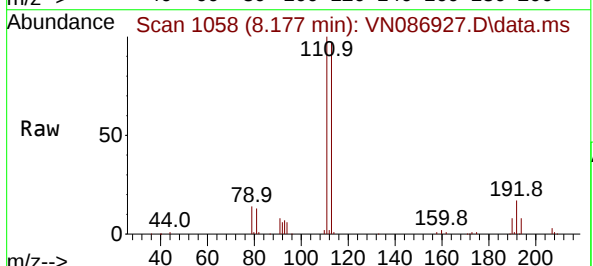
Tgt Ion:113 Resp: 185052

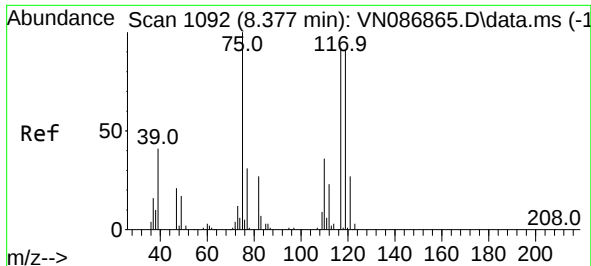
Ion Ratio Lower Upper

113 100

111 102.3 84.2 126.2

192 17.6 14.2 21.4

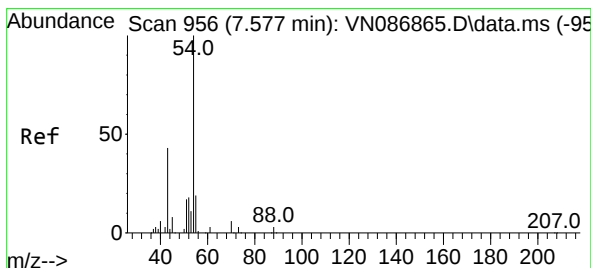
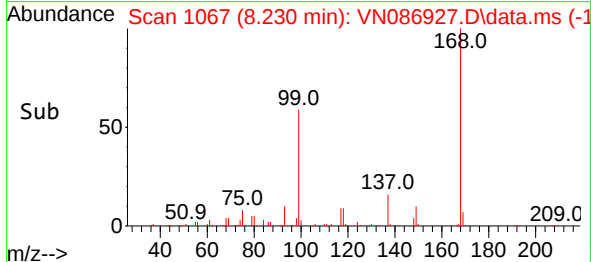
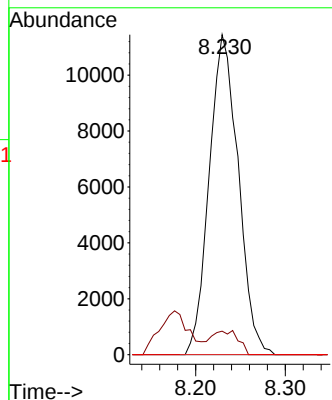
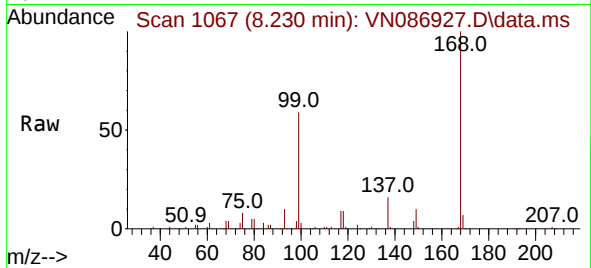




#36
1,1-Dichloropropene
Concen: 4.582 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

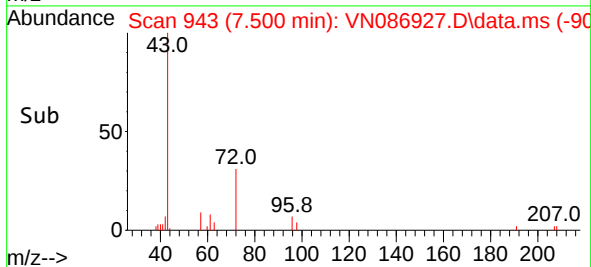
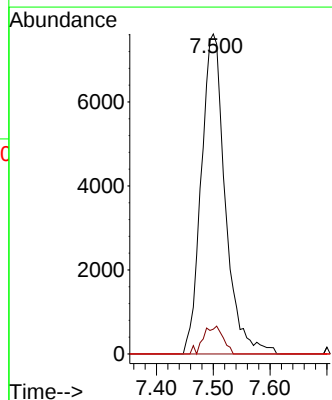
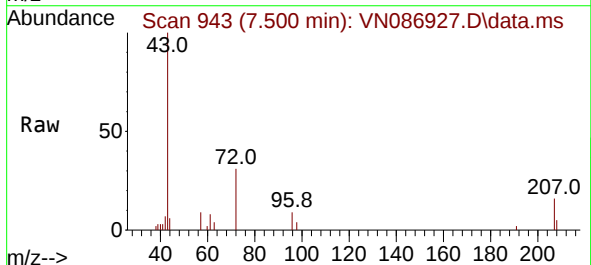
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MSVOA_N
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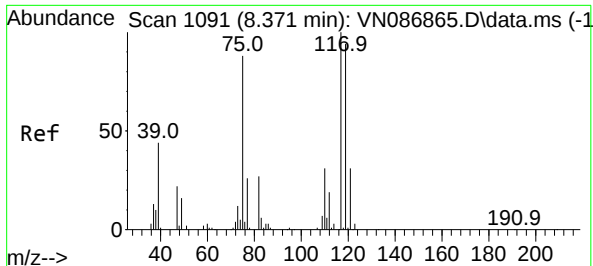
Tgt Ion: 75 Resp: 25739
Ion Ratio Lower Upper
75 100
110 7.2 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 3.123 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.077 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

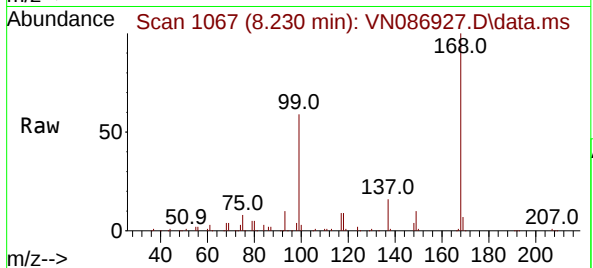
Tgt Ion: 43 Resp: 22331
Ion Ratio Lower Upper
43 100
61 7.1 12.1 18.1#
70 0.0 9.8 14.6#



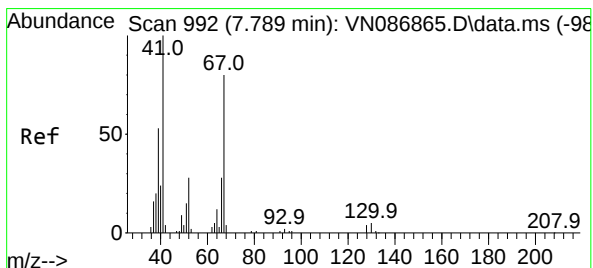
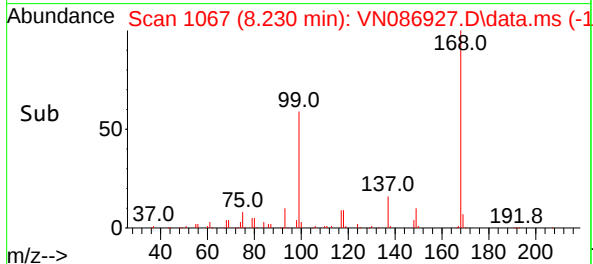
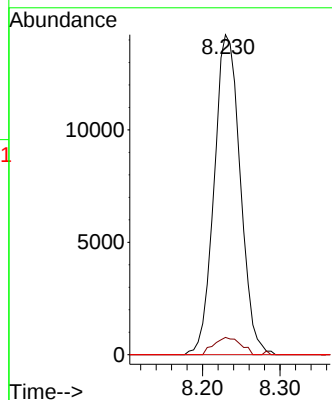


#38
Carbon Tetrachloride
Concen: 6.024 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Instrument :
MSVOA_N
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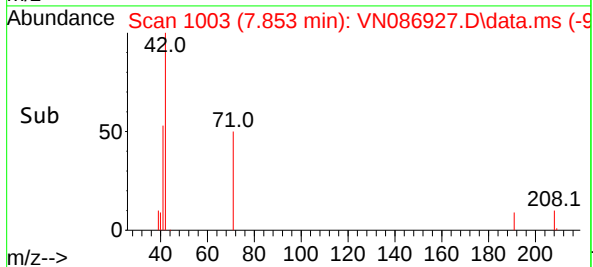
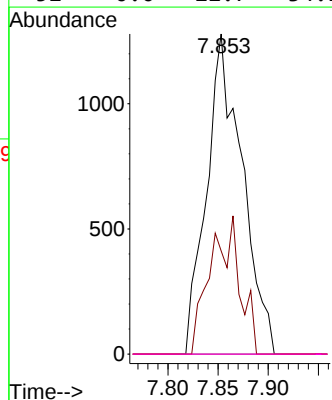
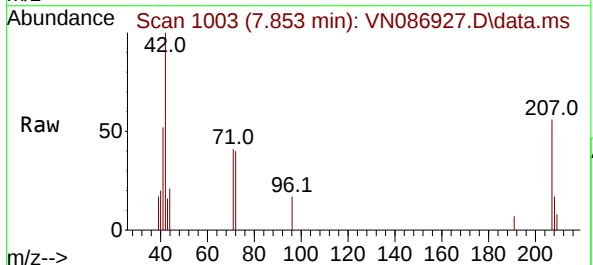


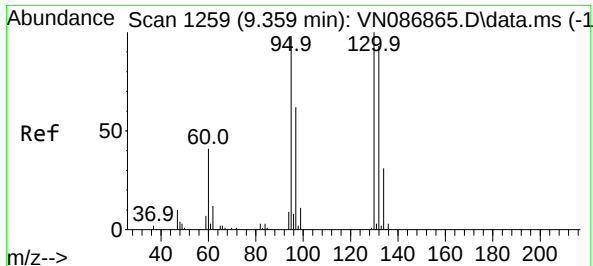
Tgt Ion:117 Resp: 33219
Ion Ratio Lower Upper
117 100
119 5.4 75.0 112.6#
121 0.0 24.9 37.3#



#41
Methacrylonitrile
Concen: 0.783 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.065 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Tgt Ion: 41 Resp: 3146
Ion Ratio Lower Upper
41 100
39 35.9 41.2 61.8#
67 0.0 61.4 92.2#
52 0.0 22.7 34.1#

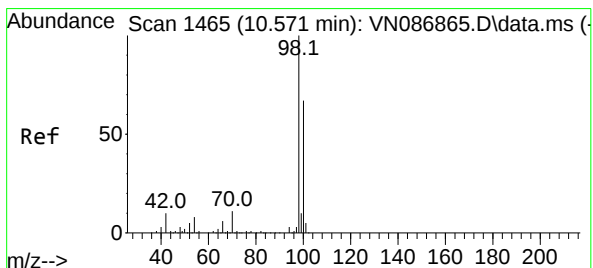
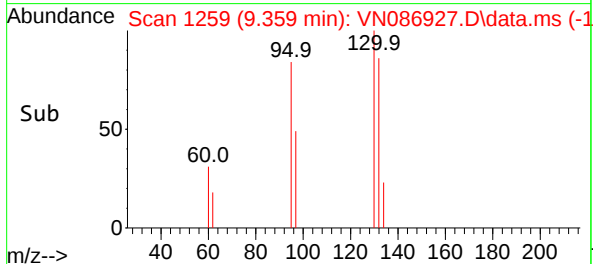
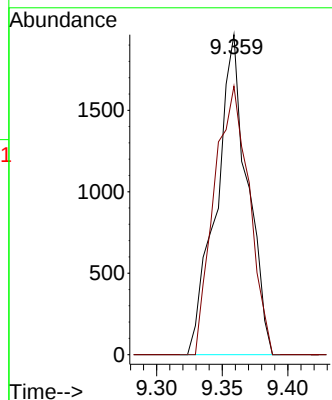
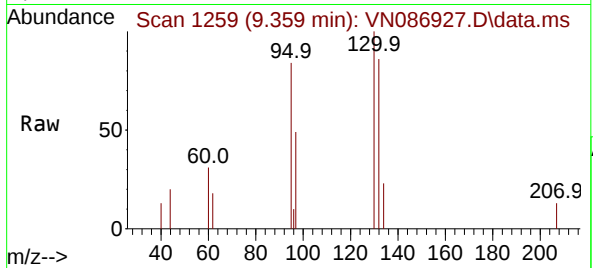




#44
Trichloroethene
Concen: 0.745 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

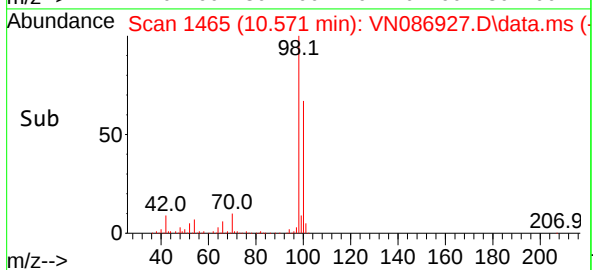
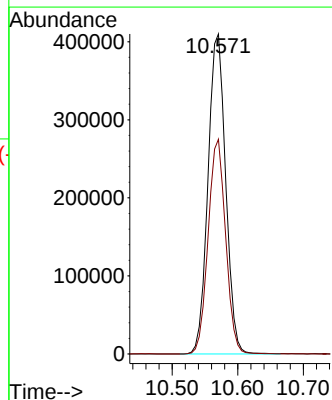
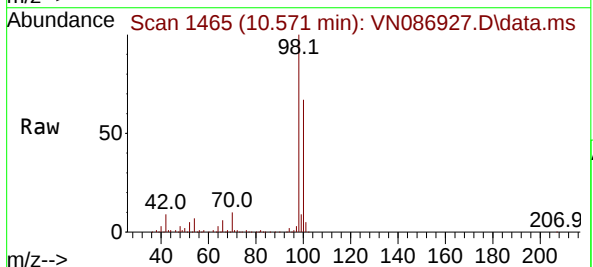
Instrument :
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BP-VPB-182-EB-20250604

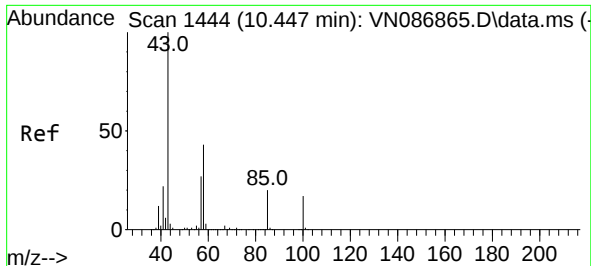
Tgt Ion:130 Resp: 3246
Ion Ratio Lower Upper
130 100
95 83.9 0.0 196.2



#50
Toluene-d8
Concen: 51.497 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Tgt Ion: 98 Resp: 768488
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0

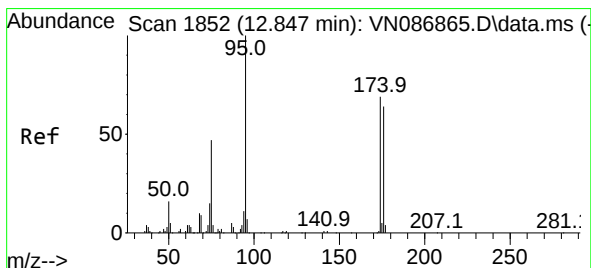
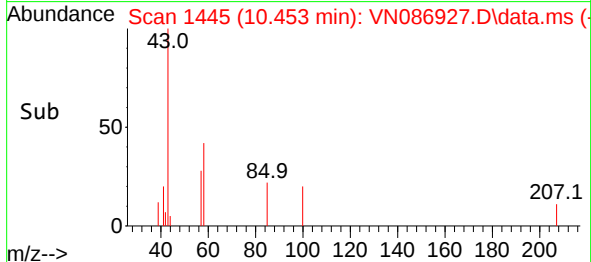
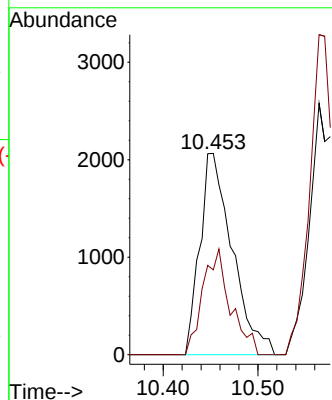
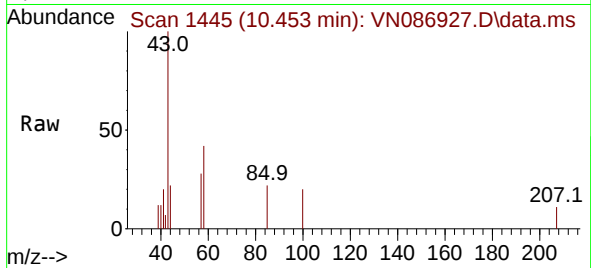




#51
4-Methyl-2-Pentanone
Concen: 0.711 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

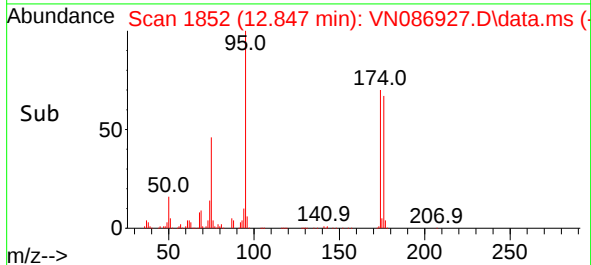
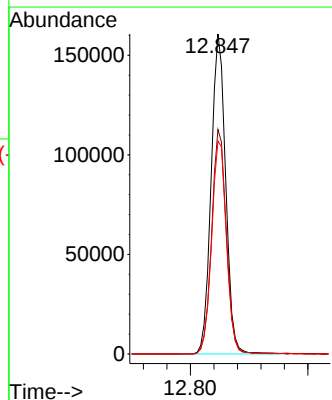
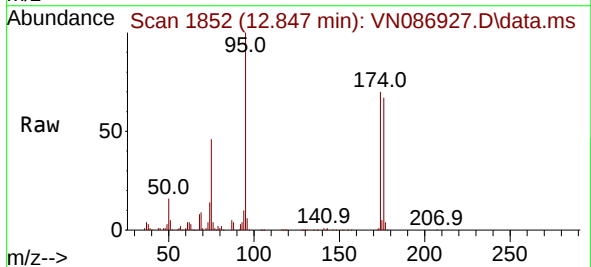
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

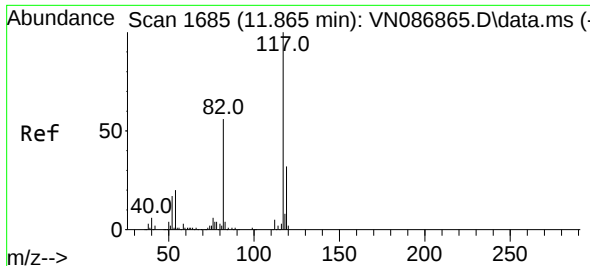
Tgt Ion: 43 Resp: 4910
Ion Ratio Lower Upper
43 100
58 44.8 34.2 51.4



#62
4-Bromofluorobenzene
Concen: 49.610 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Tgt Ion: 95 Resp: 275056
Ion Ratio Lower Upper
95 100
174 70.9 0.0 141.8
176 67.8 0.0 132.6

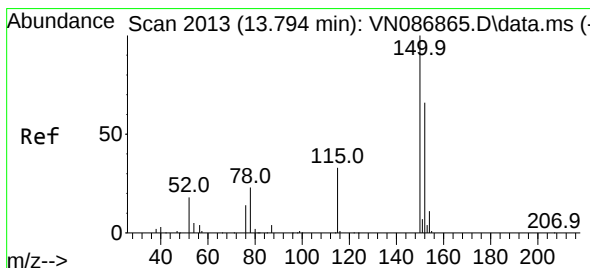
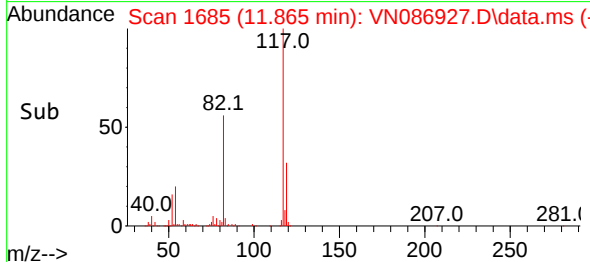
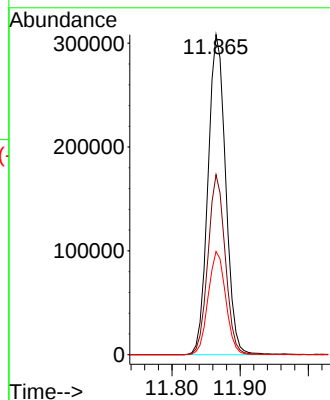
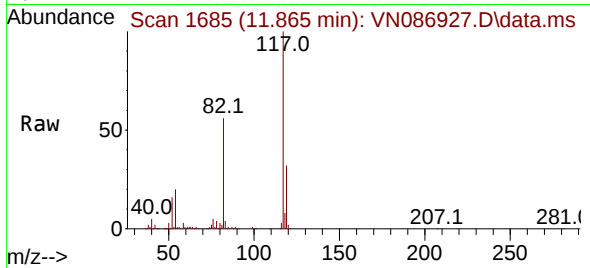




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

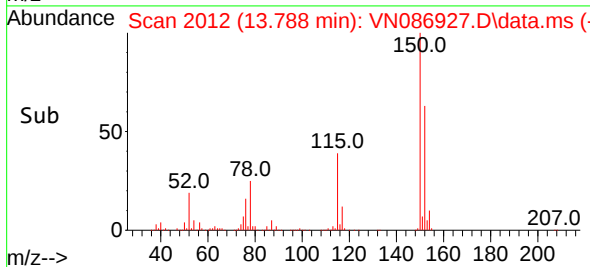
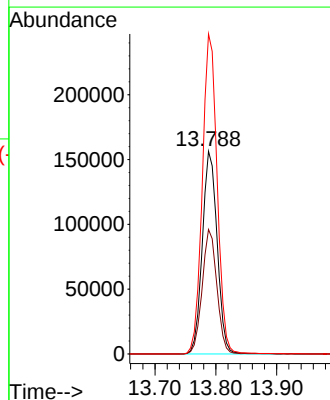
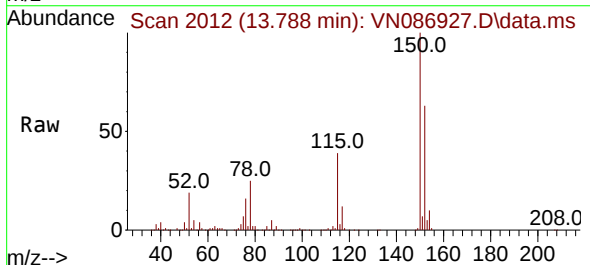
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

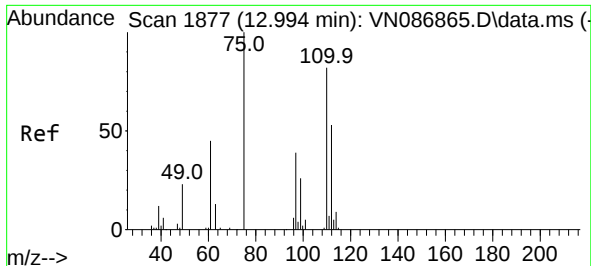
Tgt Ion:117 Resp: 555219
Ion Ratio Lower Upper
117 100
82 56.3 44.6 67.0
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Tgt Ion:152 Resp: 265337
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.5
150 157.6 0.0 345.0

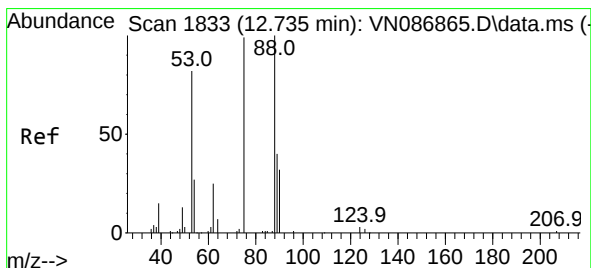
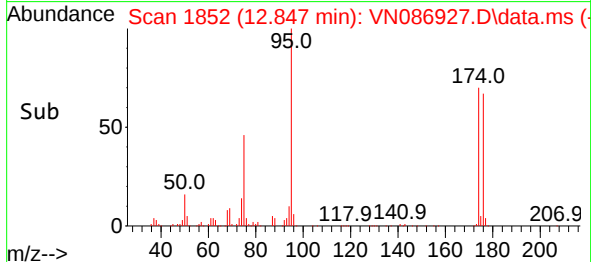
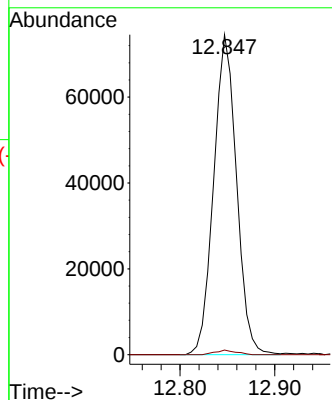
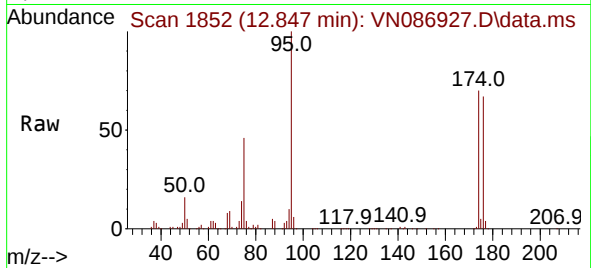




#76
1,2,3-Trichloropropane
Concen: 19.814 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

Tgt Ion: 75 Resp: 124969
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.610 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086927.D
Acq: 10 Jun 2025 14:38

Tgt Ion: 75 Resp: 124969
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

