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 Data File : VN086977.D
 Acq On : 12 Jun 2025 15:08
 Operator : JC\MD
 Sample : Q2272-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

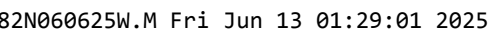
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

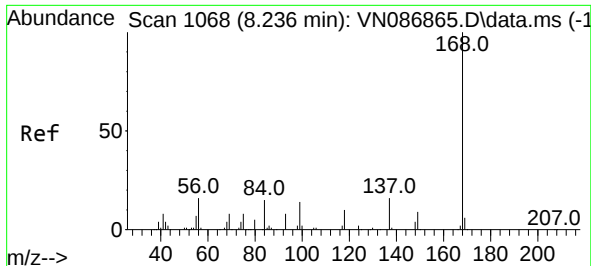
Quant Time: Jun 13 01:28:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	289570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	560031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	502998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	241094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	200214	51.641	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.280%	
35) Dibromofluoromethane	8.177	113	169490	51.069	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.140%	
50) Toluene-d8	10.571	98	692376	52.698	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.400%	
62) 4-Bromofluorobenzene	12.847	95	245607	50.315	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.640%	
Target Compounds						Qvalue
16) Acetone	4.453	43	28630	13.925	ug/l	93
18) Methyl Acetate	5.053	43	28589	4.772	ug/l	99
20) Methylene Chloride	5.306	84	9857	2.561	ug/l	86
25) 2-Butanone	7.512	43	4472	1.338	ug/l	96
31) Cyclohexane	8.230	56	4964	0.789	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	22795	4.609	ug/l #	49
37) Ethyl Acetate	7.577	43	18694	2.969	ug/l	99
38) Carbon Tetrachloride	8.236	117	28858	5.944	ug/l #	16
43) Isopropyl Acetate	8.694	43	11918	1.179	ug/l	95
45) 1,2-Dichloropropane	9.747	63	1646	0.418	ug/l #	43
48) Methyl methacrylate	9.747	41	94983	20.423	ug/l #	35
49) 1,4-Dioxane	9.735	88	61	0.721	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	105807	17.394	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	64214	9.982	ug/l #	56
57) 1,3-Dichloropropane	11.212	76	4161	0.631	ug/l #	43
59) 2-Hexanone	11.212	43	47321	12.077	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	116467	20.323	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	116467	46.782	ug/l #	16

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

Quant Time: Jun 13 01:28:51 2025
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Response via : Initial Calibration

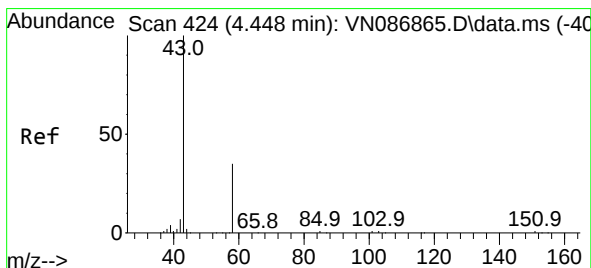
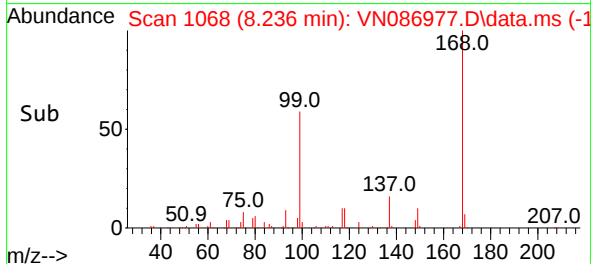
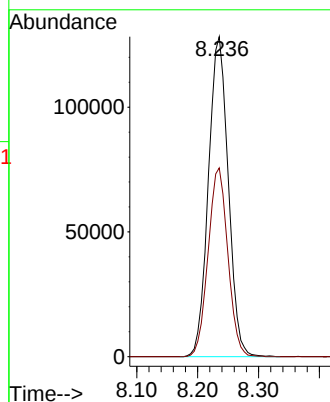
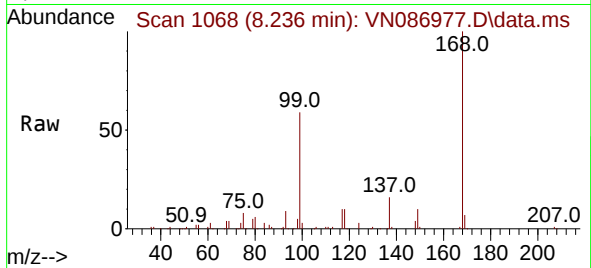




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

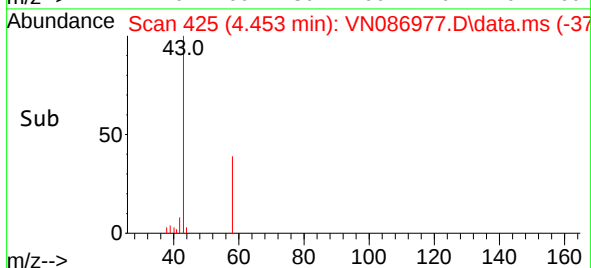
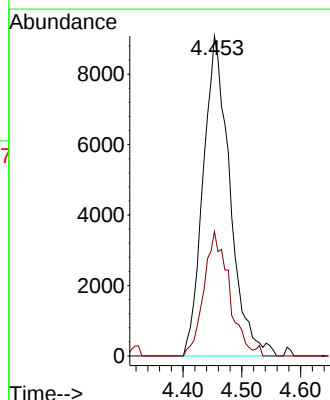
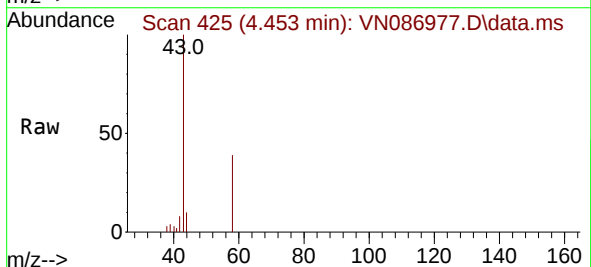
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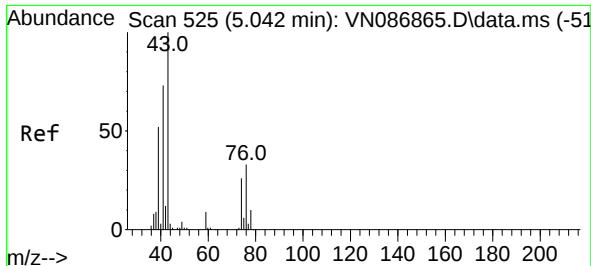
Tgt Ion:168 Resp: 289570
Ion Ratio Lower Upper
168 100
99 59.0 49.1 73.7



#16
Acetone
Concen: 13.925 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion: 43 Resp: 28630
Ion Ratio Lower Upper
43 100
58 38.9 28.0 42.0

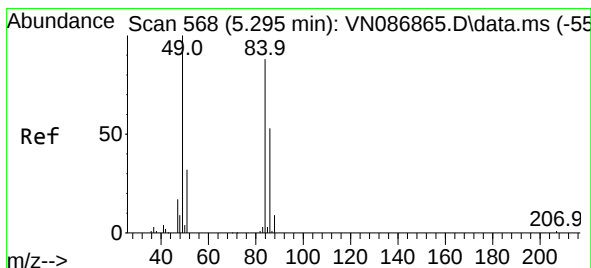
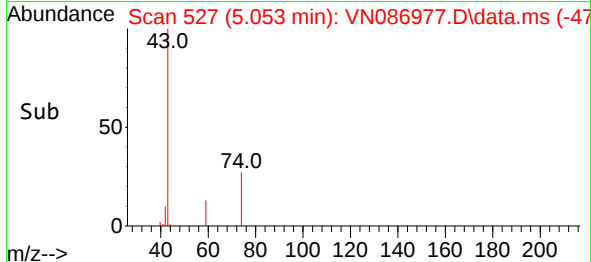
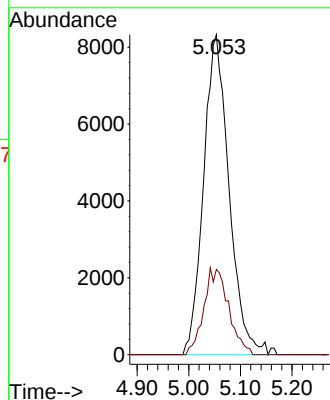
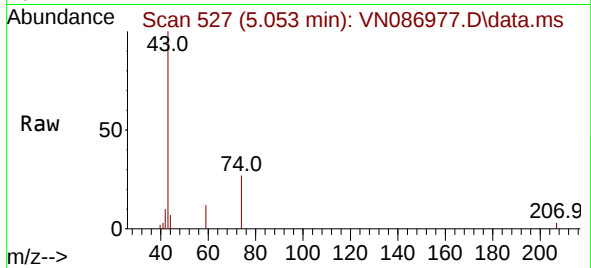




#18
Methyl Acetate
Concen: 4.772 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

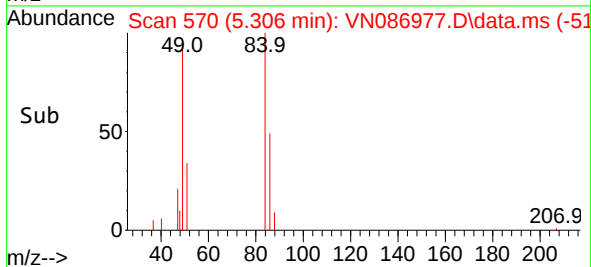
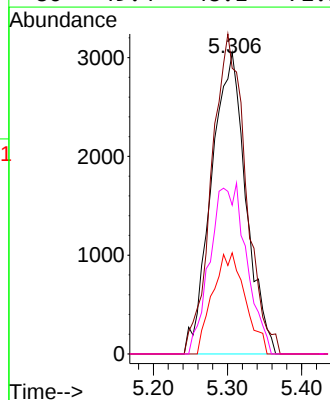
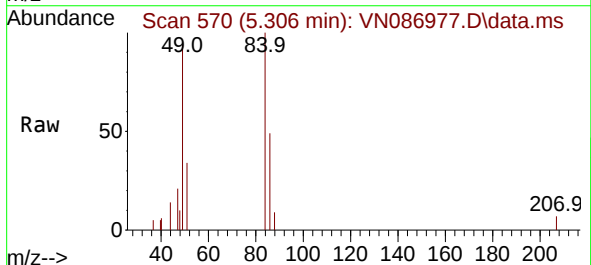
Instrument :
MSVOA_N
ClientSampleId :
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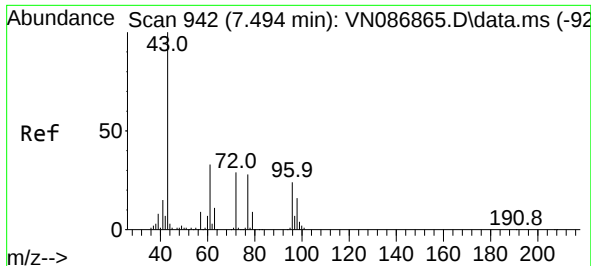
Tgt Ion: 43 Resp: 28589
Ion Ratio Lower Upper
43 100
74 26.2 20.7 31.1



#20
Methylene Chloride
Concen: 2.561 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion: 84 Resp: 9857
Ion Ratio Lower Upper
84 100
49 94.9 90.5 135.7
51 33.6 28.5 42.7
86 49.4 48.1 72.1

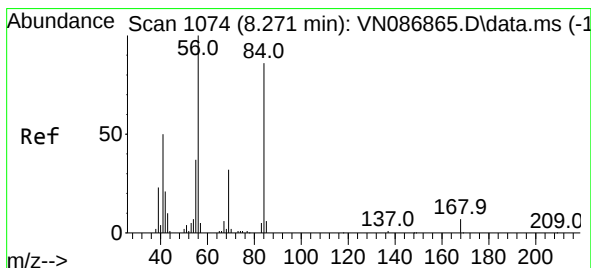
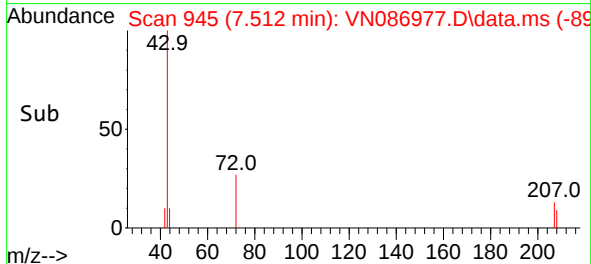
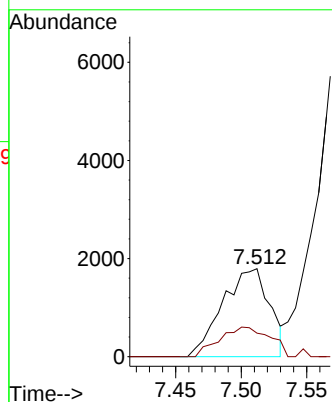
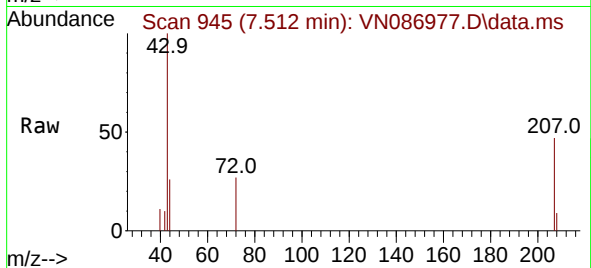




#25
2-Butanone
Concen: 1.338 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.018 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

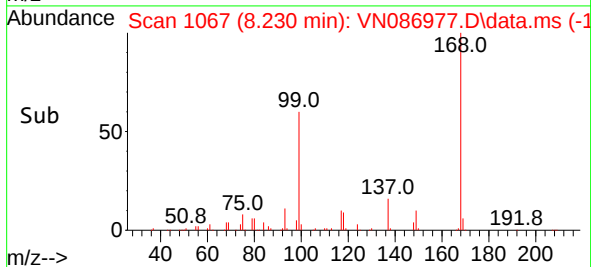
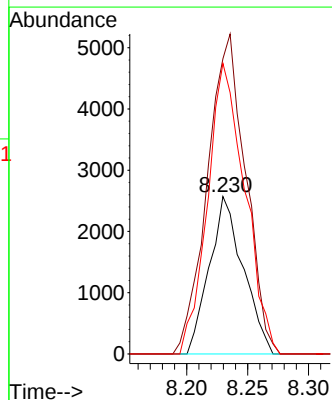
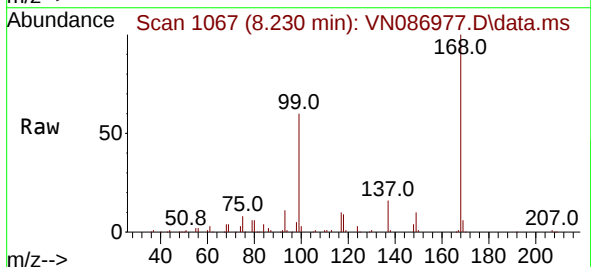
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ClientSampleId :
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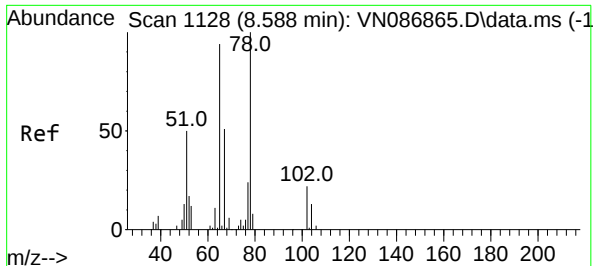
Tgt Ion: 43 Resp: 4472
Ion Ratio Lower Upper
43 100
72 26.7 23.0 34.6



#31
Cyclohexane
Concen: 0.789 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion: 56 Resp: 4964
Ion Ratio Lower Upper
56 100
69 187.5 25.4 38.0#
84 184.6 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.641 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086977.D

Acq: 12 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

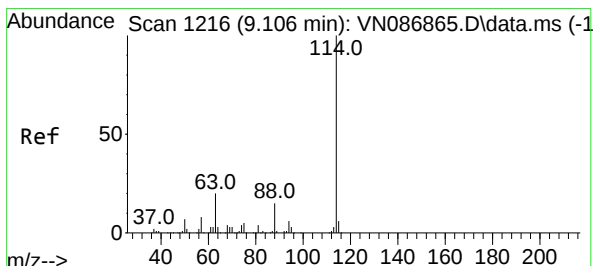
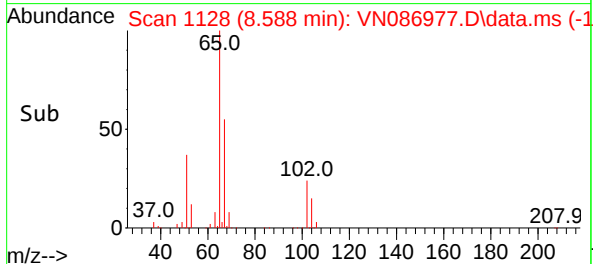
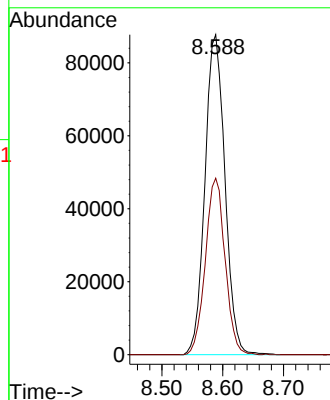
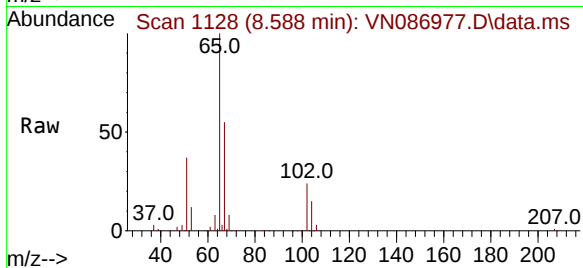
TP-6

Tgt Ion: 65 Resp: 200214

Ion Ratio Lower Upper

65 100

67 54.2 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: VN086977.D

Acq: 12 Jun 2025 15:08

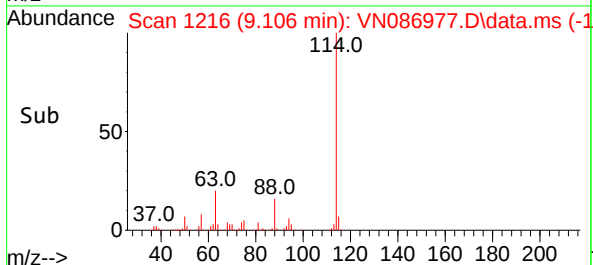
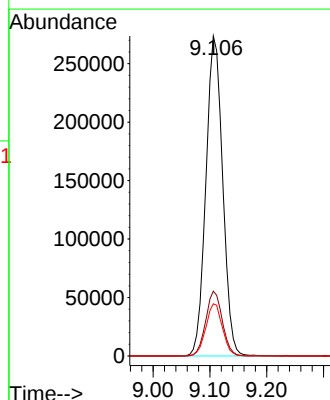
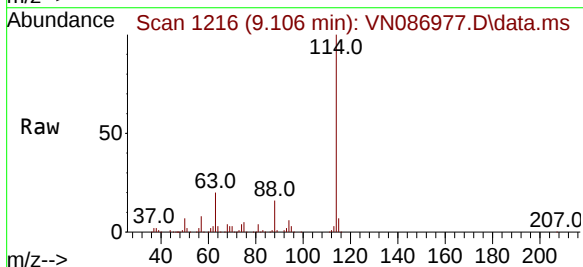
Tgt Ion: 114 Resp: 560031

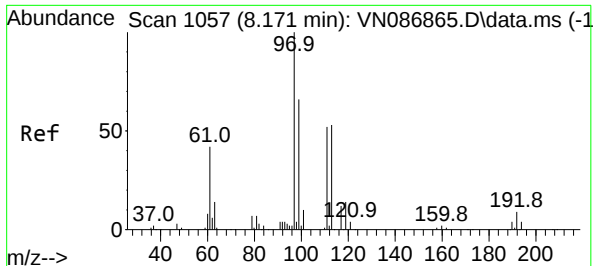
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 16.3 0.0 30.2

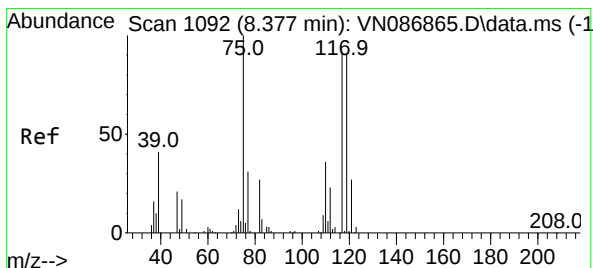
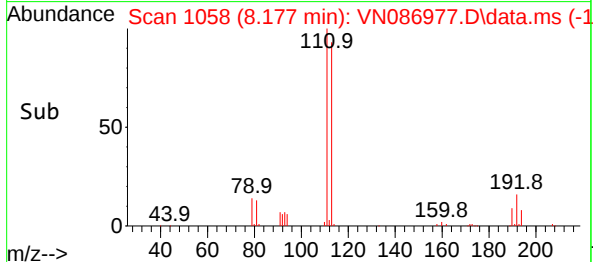
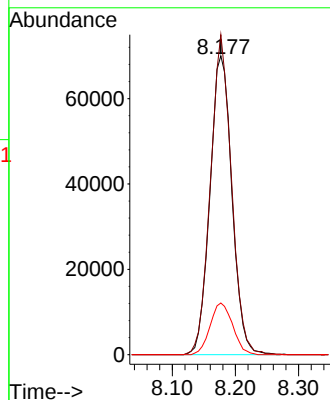
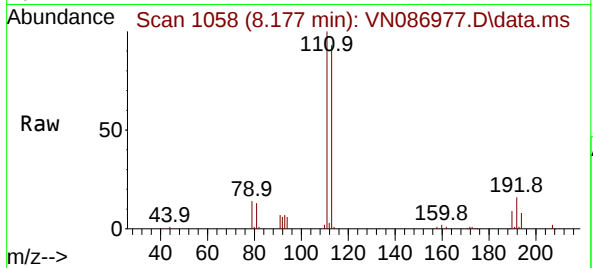




#35
Dibromofluoromethane
Concen: 51.069 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

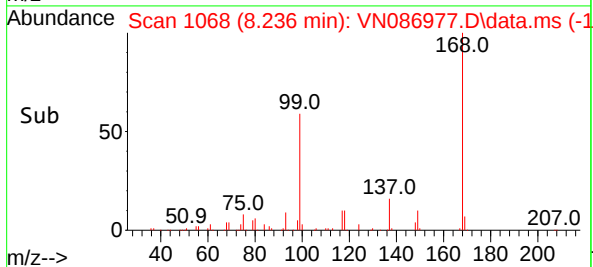
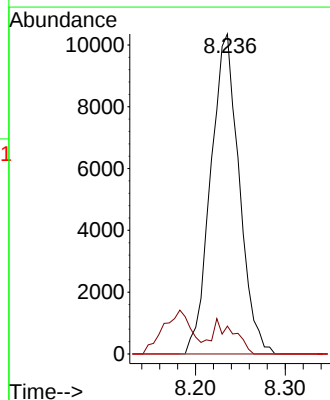
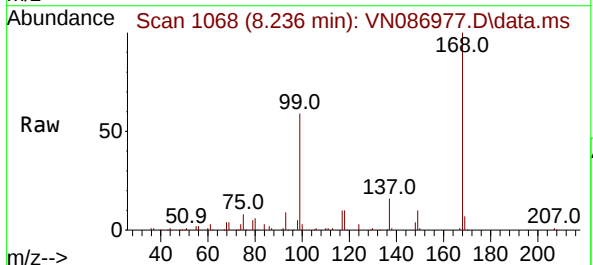
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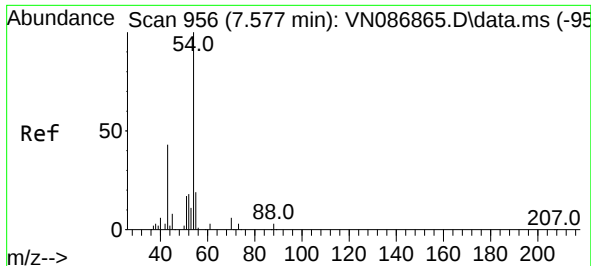
Tgt Ion:113 Resp: 169490
Ion Ratio Lower Upper
113 100
111 102.3 84.2 126.2
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.609 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion: 75 Resp: 22795
Ion Ratio Lower Upper
75 100
110 8.5 17.6 52.9#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.969 ug/l

RT: 7.577 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086977.D

Acq: 12 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

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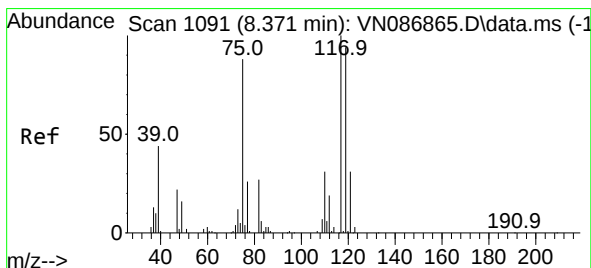
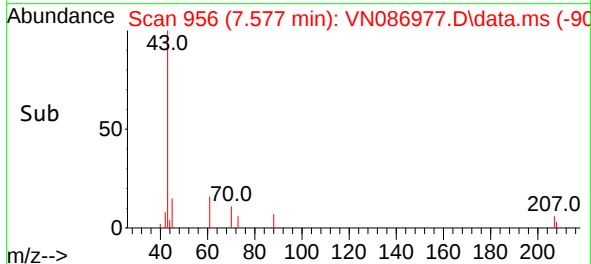
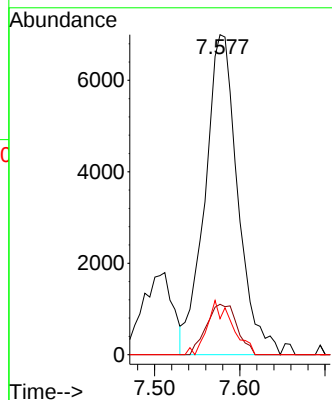
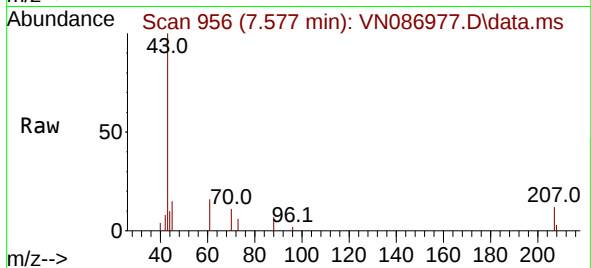
Tgt Ion: 43 Resp: 18694

Ion Ratio Lower Upper

43 100

61 14.7 12.1 18.1

70 12.8 9.8 14.6



#38

Carbon Tetrachloride

Concen: 5.944 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN086977.D

Acq: 12 Jun 2025 15:08

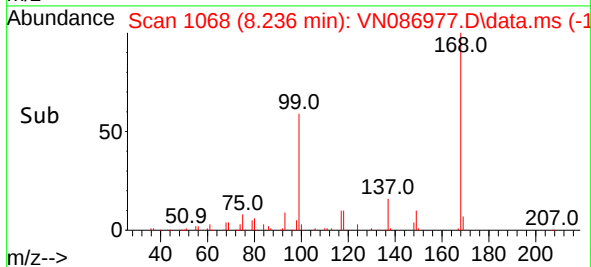
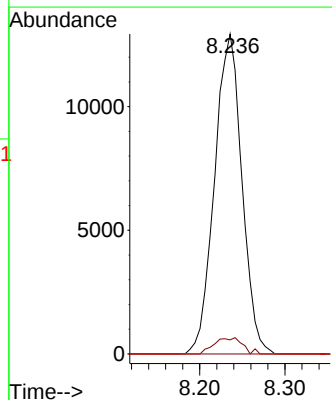
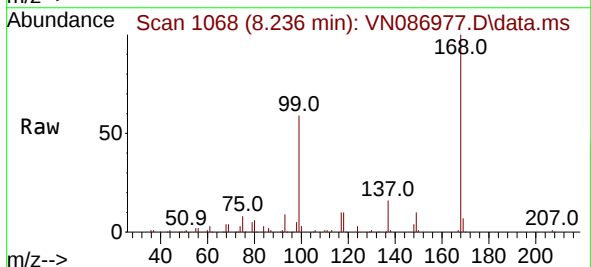
Tgt Ion: 117 Resp: 28858

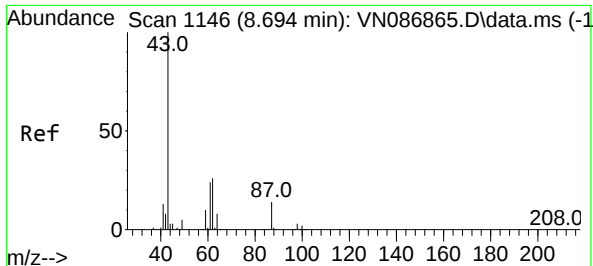
Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

121 0.0 24.9 37.3#

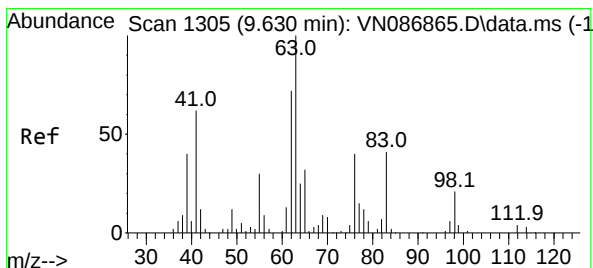
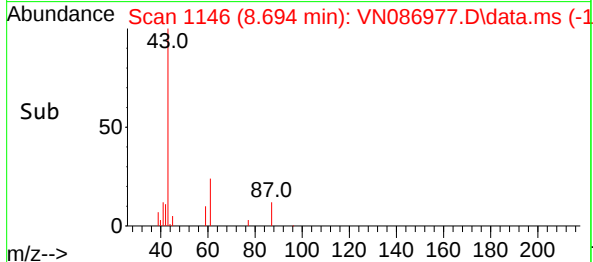
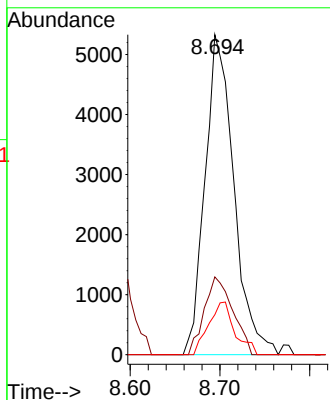
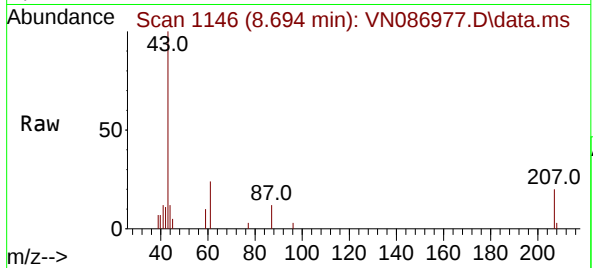




#43
Isopropyl Acetate
Concen: 1.179 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

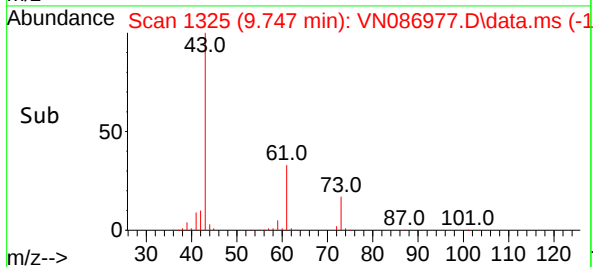
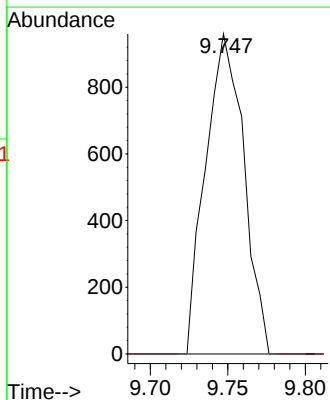
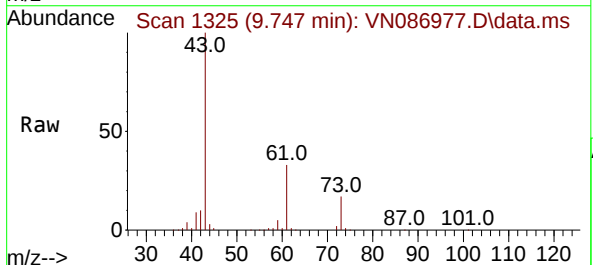
Instrument :
MSVOA_N
ClientSampleId :
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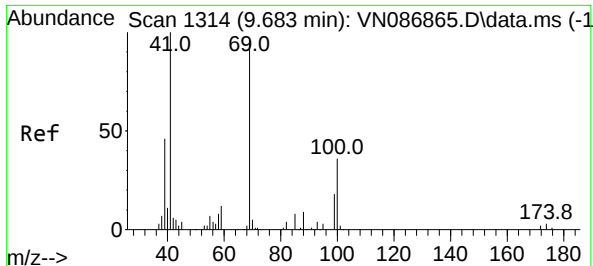
Tgt Ion:	43	Resp:	11918
Ion	Ratio	Lower	Upper
43	100		
61	24.0	22.1	33.1
87	14.9	11.8	17.6



#45
1,2-Dichloropropane
Concen: 0.418 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.118 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion:	63	Resp:	1646
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.5	38.3#

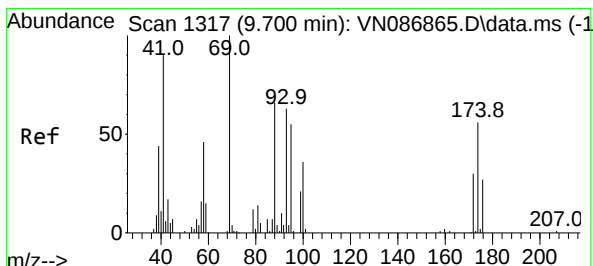
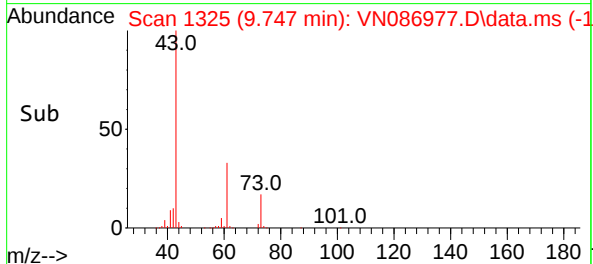
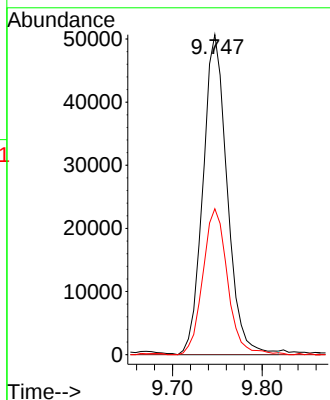
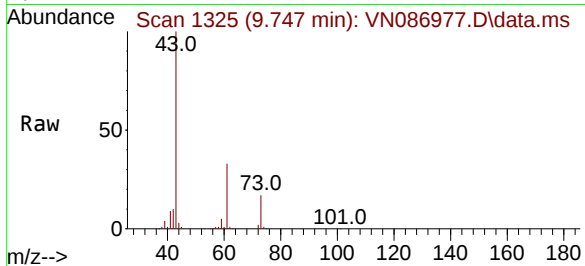




#48
Methyl methacrylate
Concen: 20.423 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

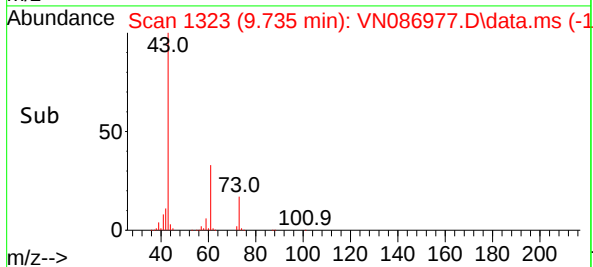
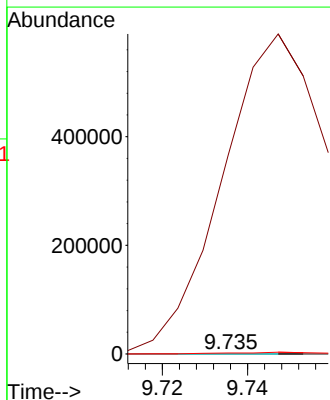
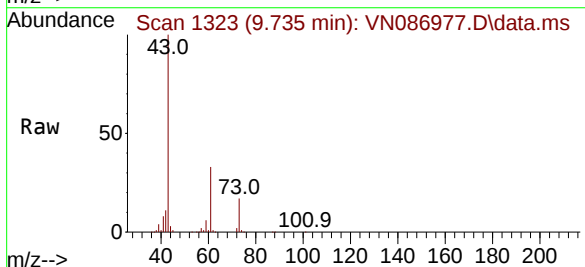
Instrument :
MSVOA_N
ClientSampleId :
TP-6

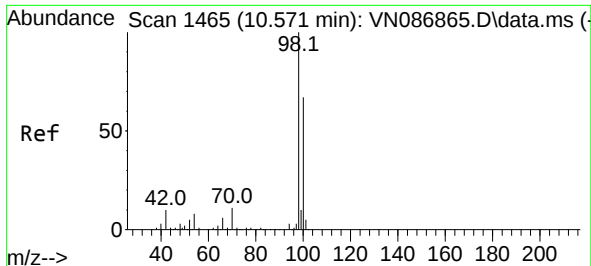
Tgt Ion: 41 Resp: 94983
Ion Ratio Lower Upper
41 100
69 0.0 74.6 112.0#
39 46.5 40.2 60.4



#49
1,4-Dioxane
Concen: 0.721 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.035 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 1829627.9 0.0 0.0#
58 8359.0 57.7 86.5#

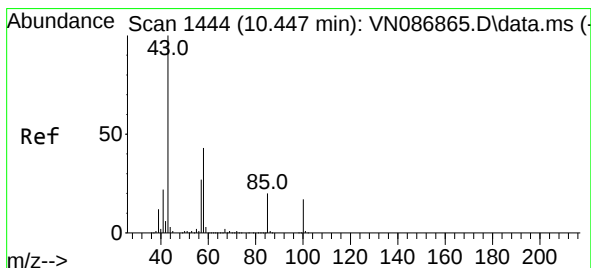
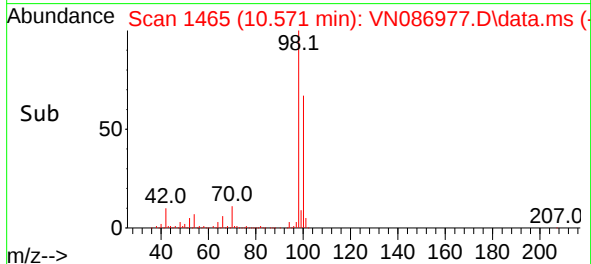
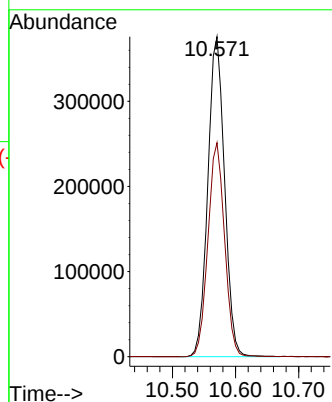
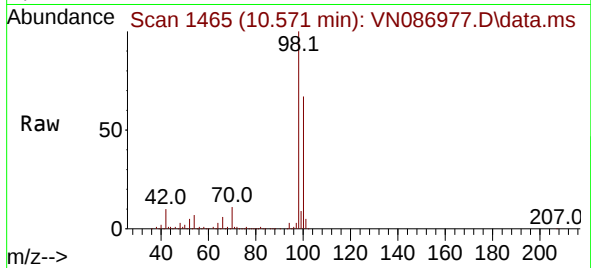




#50
Toluene-d8
Concen: 52.698 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

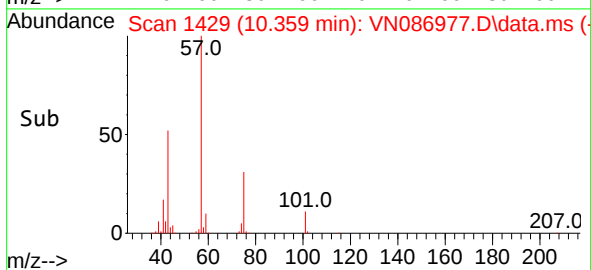
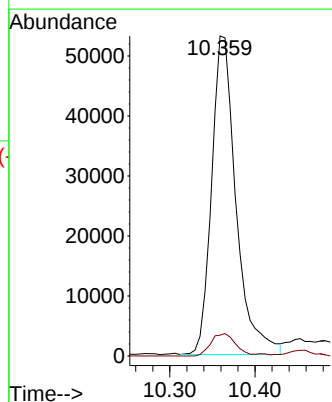
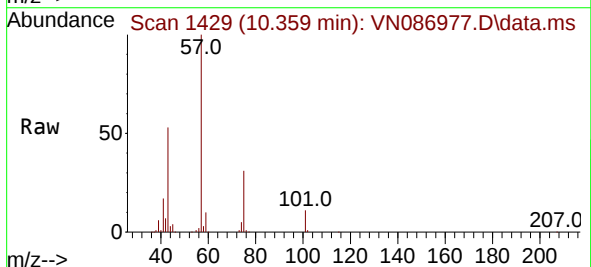
Instrument :
MSVOA_N
ClientSampleId :
TP-6

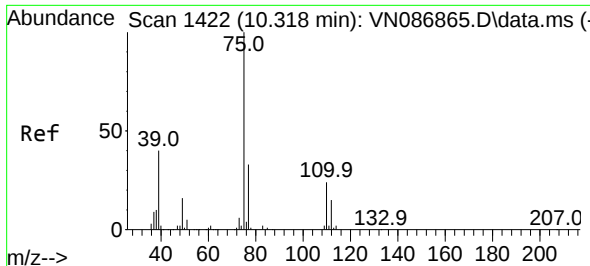
Tgt Ion: 98 Resp: 692376
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 17.394 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion: 43 Resp: 105807
Ion Ratio Lower Upper
43 100
58 7.1 34.2 51.4#

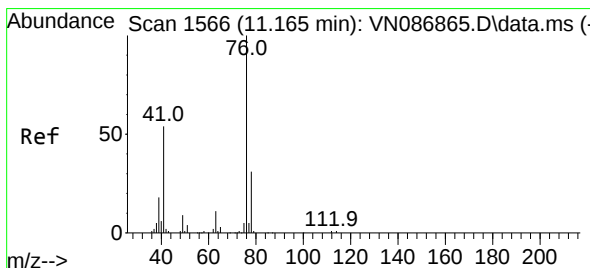
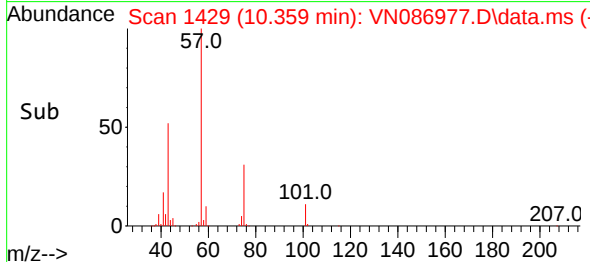
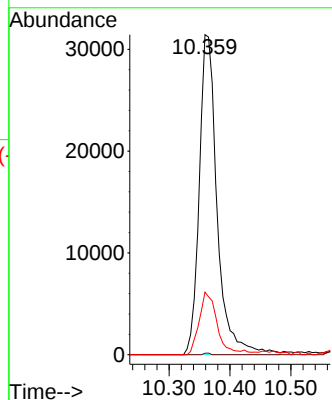
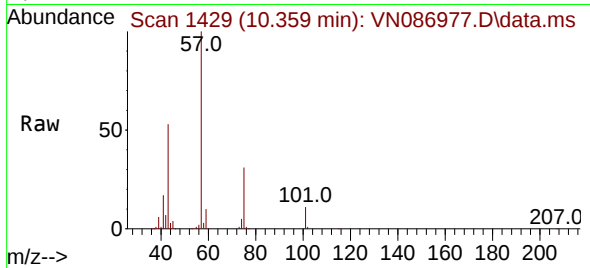




#54
 cis-1,3-Dichloropropene
 Concen: 9.982 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN086977.D
 Acq: 12 Jun 2025 15:08

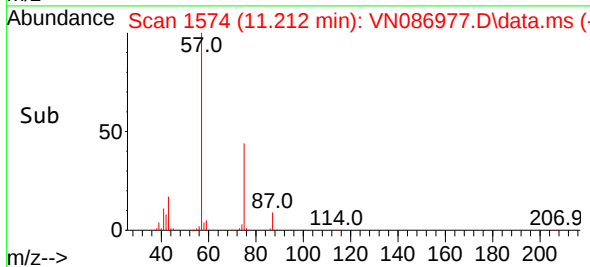
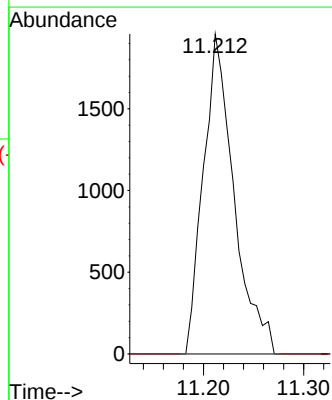
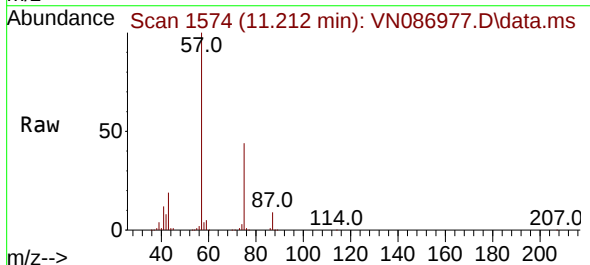
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

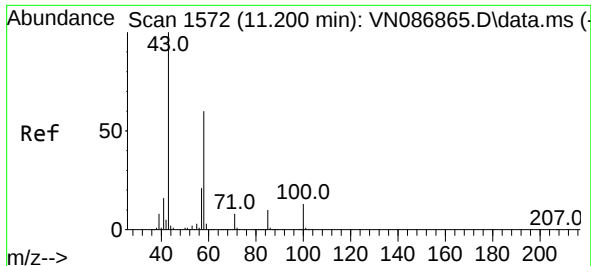
Tgt Ion: 75 Resp: 64214
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.4#
 39 19.5 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.631 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN086977.D
 Acq: 12 Jun 2025 15:08

Tgt Ion: 76 Resp: 4161
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

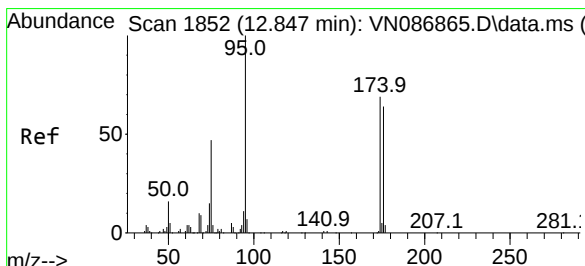
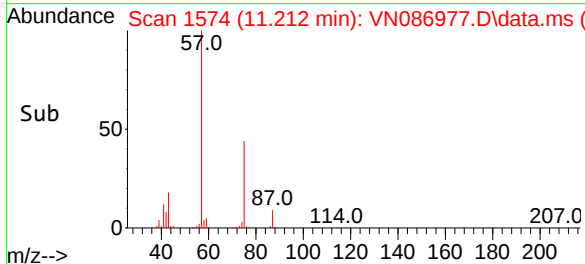
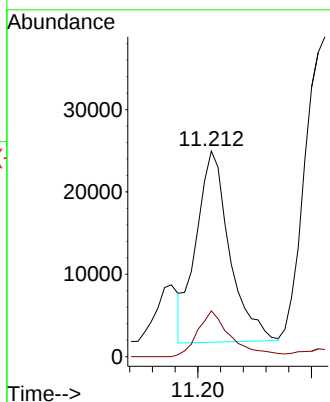
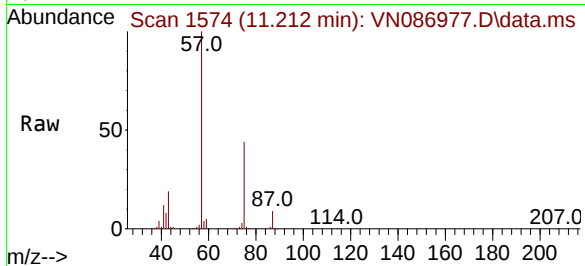




#59
2-Hexanone
Concen: 12.077 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

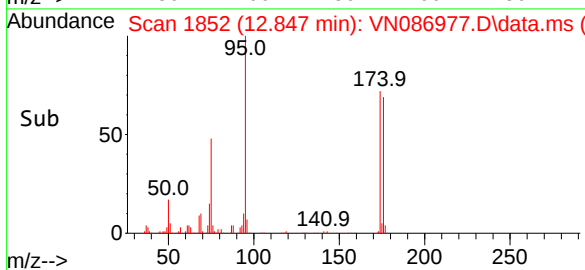
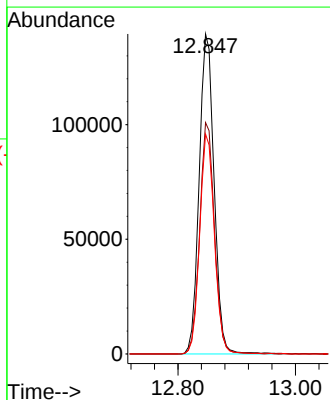
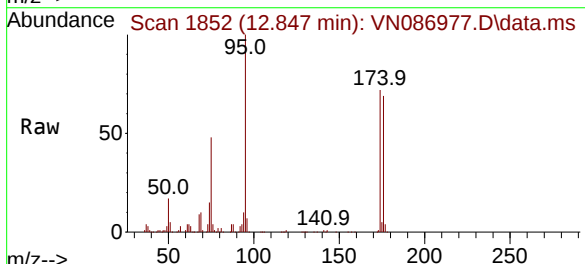
Instrument :
MSVOA_N
ClientSampleId :
TP-6

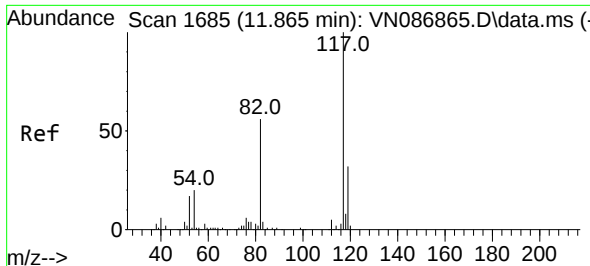
Tgt Ion: 43 Resp: 47321
Ion Ratio Lower Upper
43 100
58 24.1 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 50.315 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion: 95 Resp: 245607
Ion Ratio Lower Upper
95 100
174 71.8 0.0 141.8
176 67.8 0.0 132.6

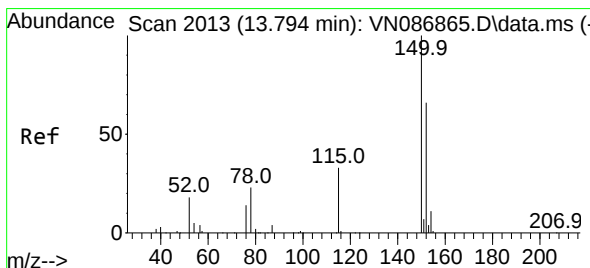
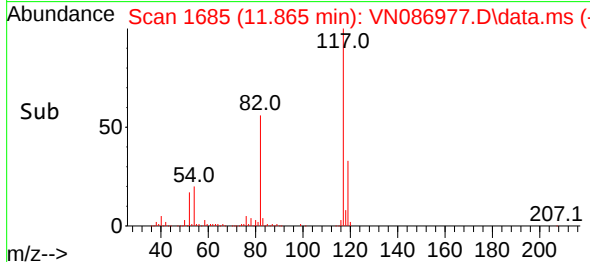
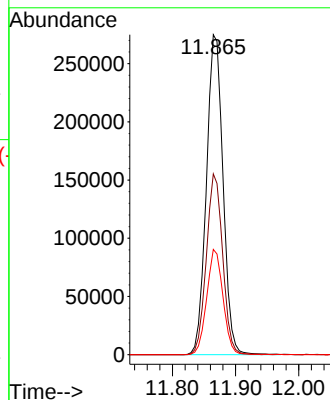
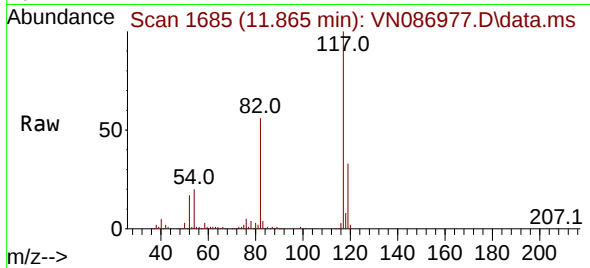




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

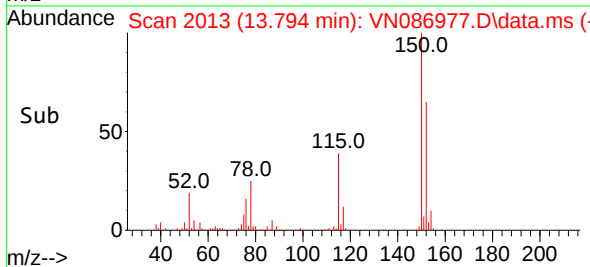
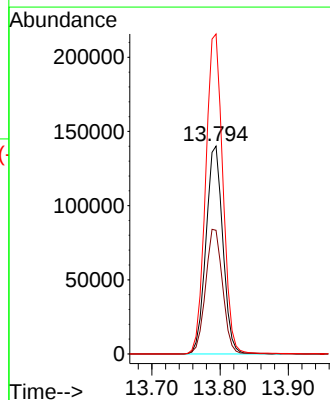
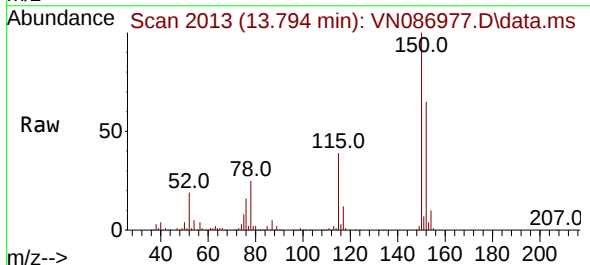
Instrument :
MSVOA_N
ClientSampleId :
TP-6

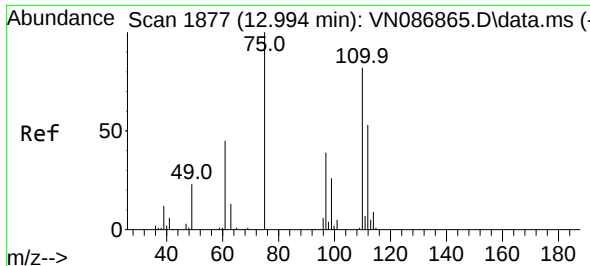
Tgt Ion:117 Resp: 502998
Ion Ratio Lower Upper
117 100
82 56.5 44.6 67.0
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion:152 Resp: 241094
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.5
150 156.9 0.0 345.0

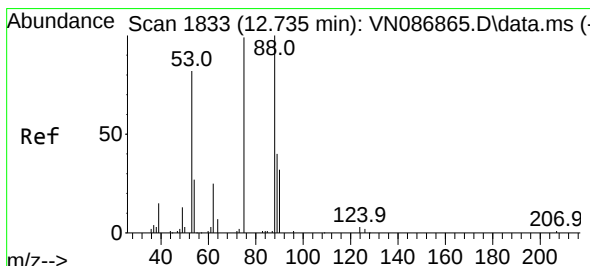
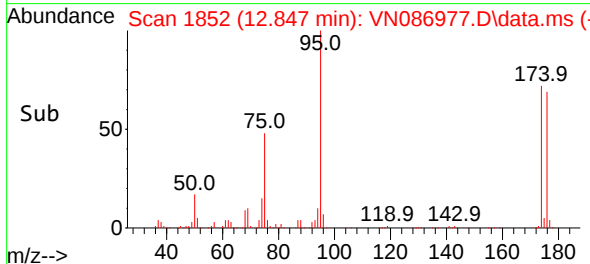
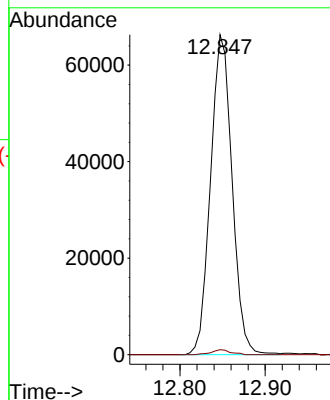
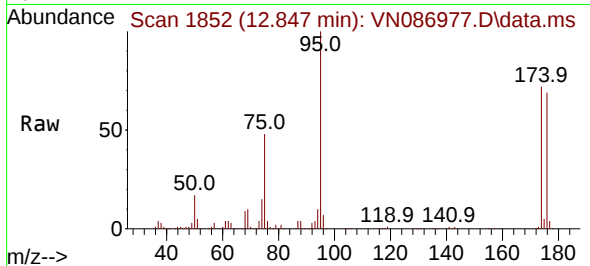




#76
1,2,3-Trichloropropane
Concen: 20.323 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
TP-6

Tgt Ion: 75 Resp: 116467
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.782 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086977.D
Acq: 12 Jun 2025 15:08

Tgt Ion: 75 Resp: 116467
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.1 36.7 55.1#

