

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086048.D
 Acq On : 21 Mar 2025 18:30
 Operator : JC\MD
 Sample : PB167234ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167234ZHE#08

Quant Time: Mar 21 23:02:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

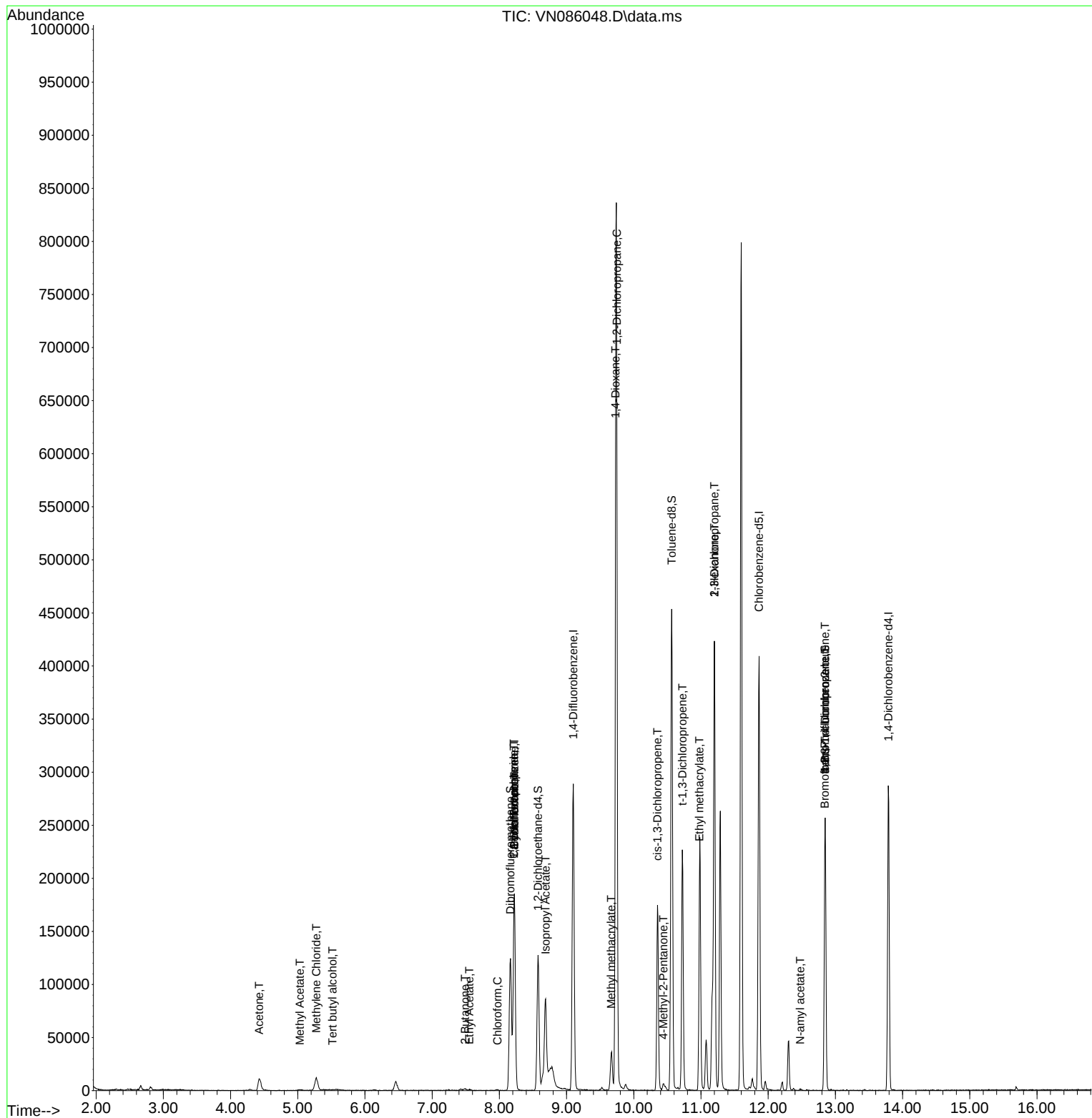
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	133301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	252508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	84042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105398	57.741	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 115.480%		
35) Dibromofluoromethane	8.165	113	90984	51.623	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.240%		
50) Toluene-d8	10.565	98	328153	51.302	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.600%		
62) 4-Bromofluorobenzene	12.847	95	90608	39.719	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 79.440%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	69	0.267	ug/l #	73
16) Acetone	4.424	43	21794	39.081	ug/l	97
18) Methyl Acetate	5.030	43	1694	1.228	ug/l #	61
20) Methylene Chloride	5.277	84	9795	6.004	ug/l #	92
25) 2-Butanone	7.488	43	2960	3.679	ug/l	100
30) Chloroform	7.971	83	967	0.328	ug/l	93
31) Cyclohexane	8.224	56	2507	1.102	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	11123	4.793	ug/l #	49
37) Ethyl Acetate	7.553	43	1647	0.841	ug/l #	68
38) Carbon Tetrachloride	8.218	117	14287	4.682	ug/l #	16
43) Isopropyl Acetate	8.688	43	106770	25.166	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1185	0.715	ug/l #	44
48) Methyl methacrylate	9.665	41	2179	1.556	ug/l #	7
49) 1,4-Dioxane	9.729	88	57	1.722	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6518	3.484	ug/l #	70
53) t-1,3-Dichloropropene	10.724	75	581	0.220	ug/l #	43
54) cis-1,3-Dichloropropene	10.353	75	32211	11.543	ug/l #	68
56) Ethyl methacrylate	10.976	69	1777	1.012	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4644	1.602	ug/l #	42
59) 2-Hexanone	11.200	43	43794	32.129	ug/l #	54
71) Bromoform	12.841	173	987	0.573	ug/l #	1
74) N-amyl acetate	12.476	43	559	0.291	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	46362	24.640	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	46362	65.145	ug/l #	16

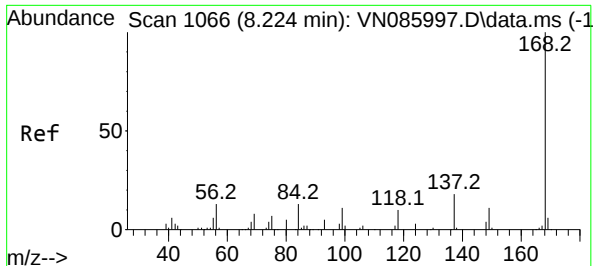
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086048.D
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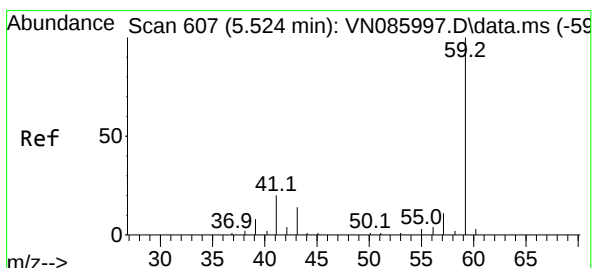
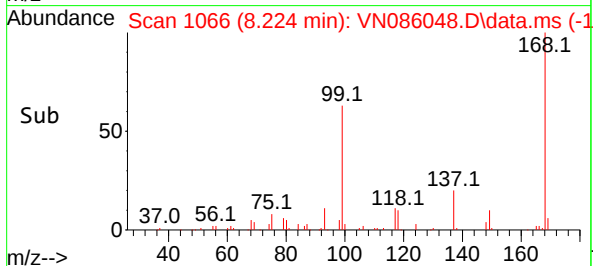
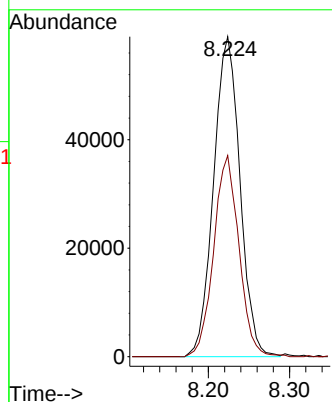
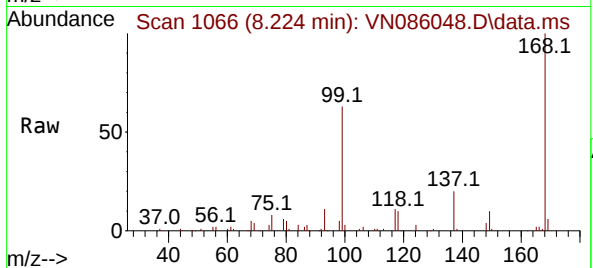




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

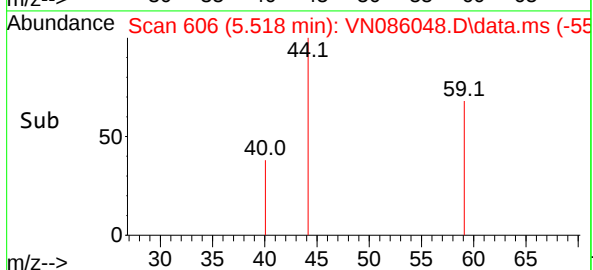
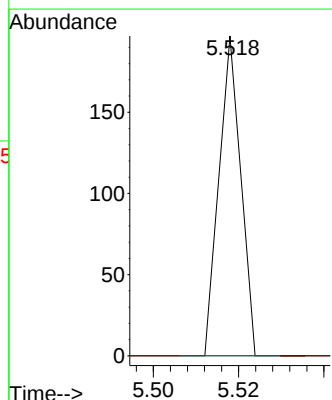
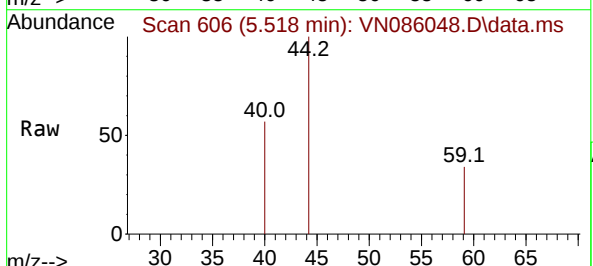
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

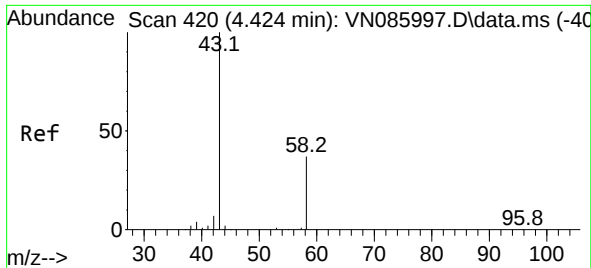
Tgt Ion:168 Resp: 133301
Ion Ratio Lower Upper
168 100
99 62.8 49.4 74.2



#11
Tert butyl alcohol
Concen: 0.267 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 59 Resp: 69
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

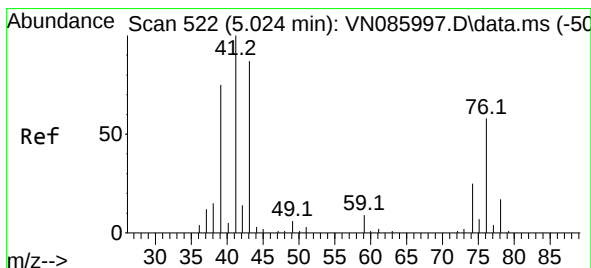
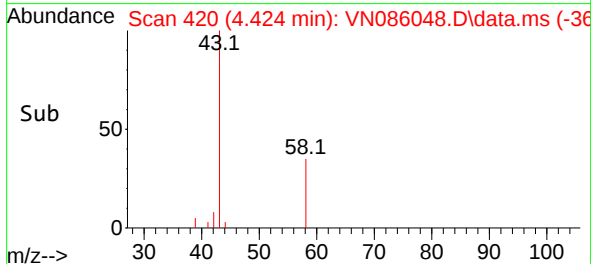
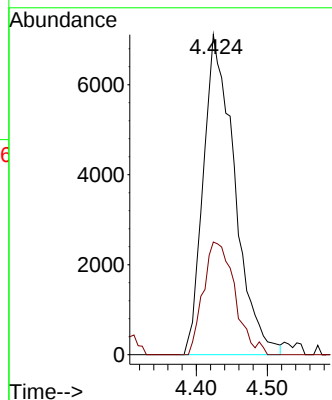
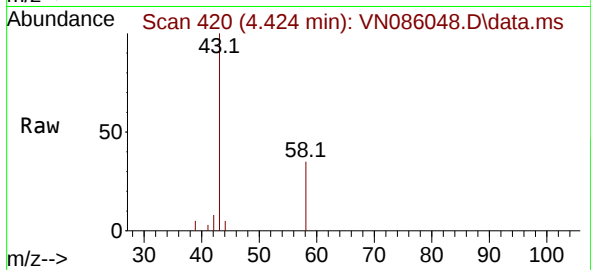




#16
Acetone
Concen: 39.081 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

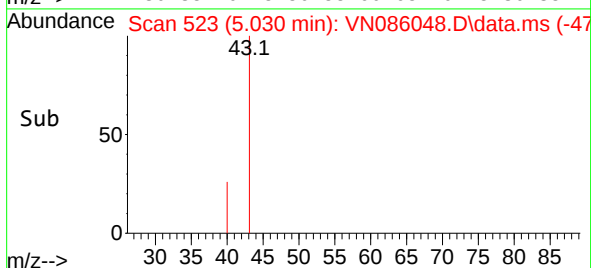
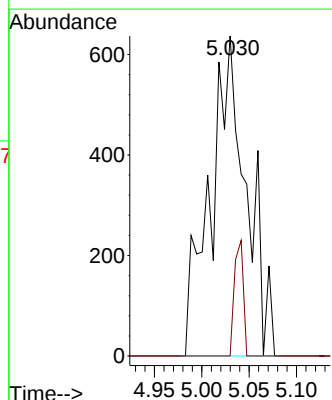
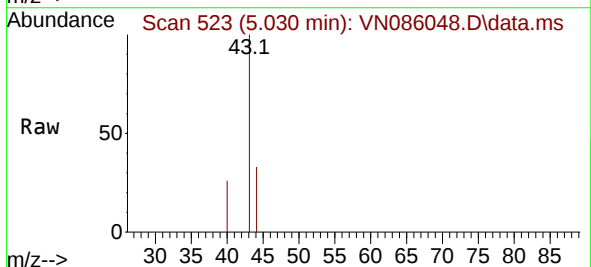
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

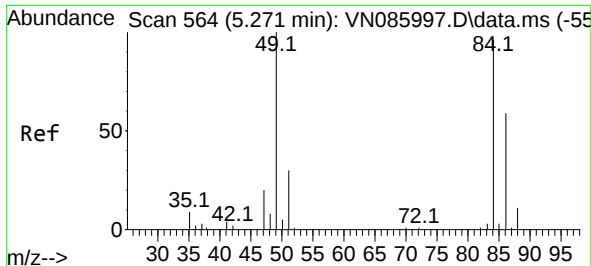
Tgt Ion: 43 Resp: 21794
Ion Ratio Lower Upper
43 100
58 35.2 29.4 44.2



#18
Methyl Acetate
Concen: 1.228 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
74 8.8 23.9 35.9#

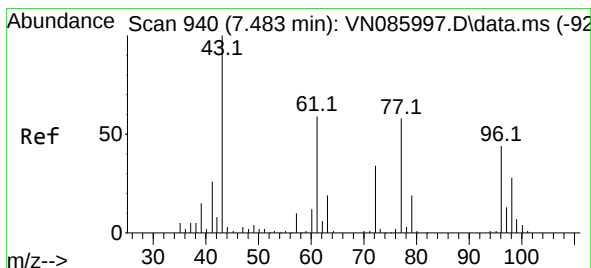
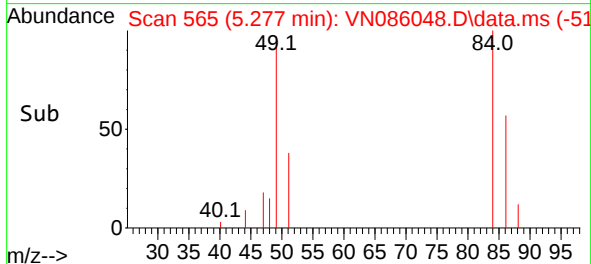
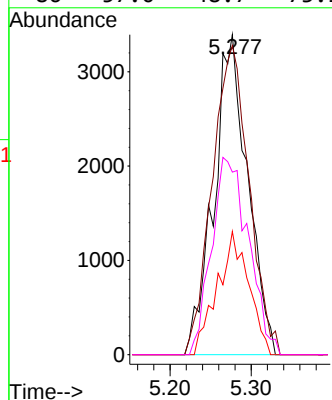
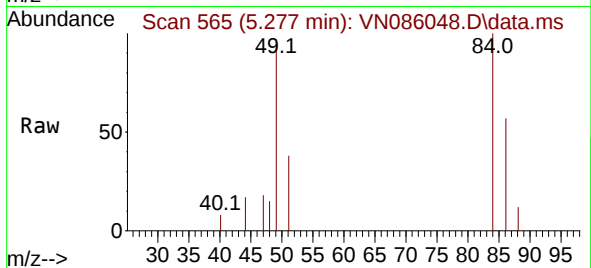




#20
Methylene Chloride
Concen: 6.004 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

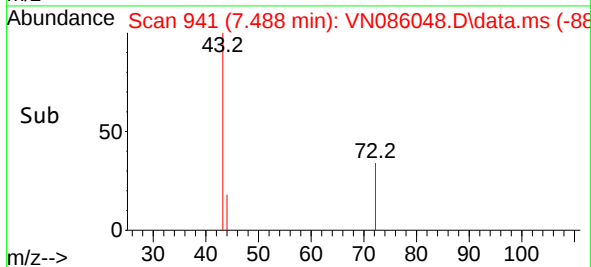
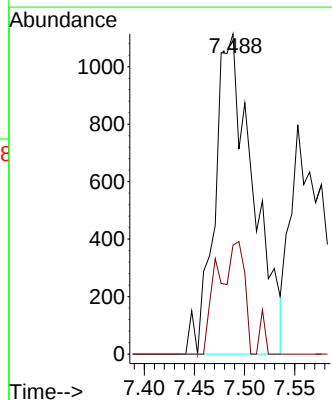
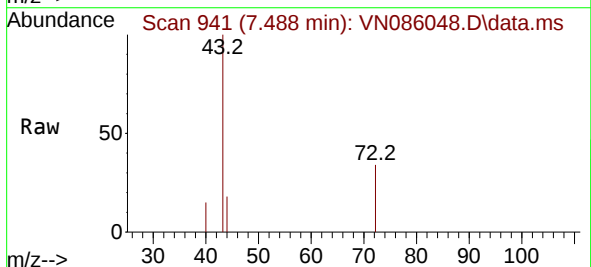
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

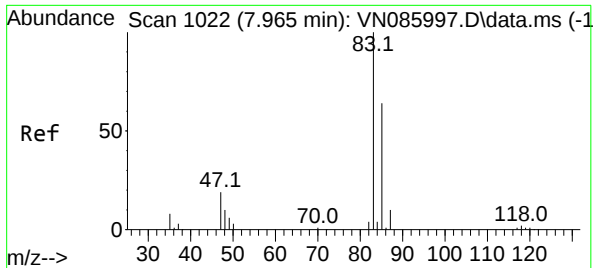
Tgt Ion: 84	Resp: 9795
Ion Ratio	Lower Upper
84 100	
49 96.6	83.3 124.9
51 38.5	24.8 37.2#
86 57.0	48.7 73.1



#25
2-Butanone
Concen: 3.679 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 43	Resp:	2960	
Ion	Ratio	Lower	Upper
43	100		
72	34.0	27.4	41.0

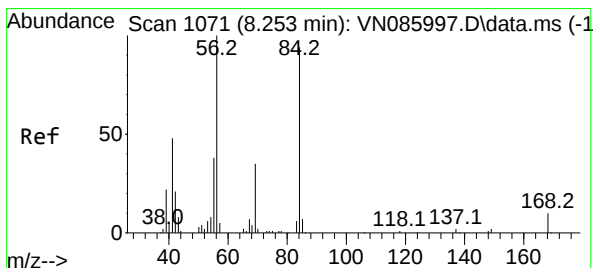
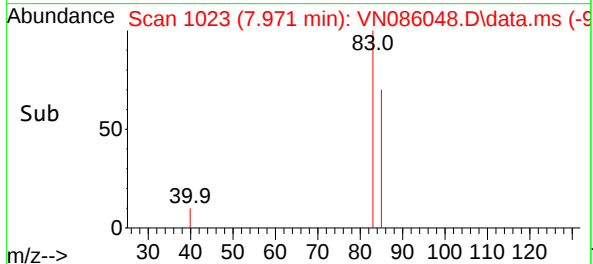
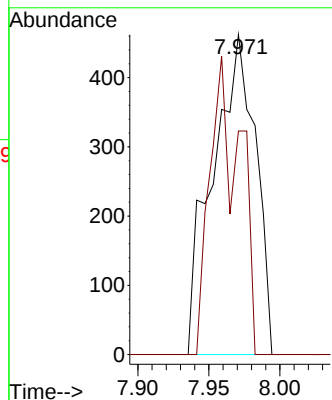
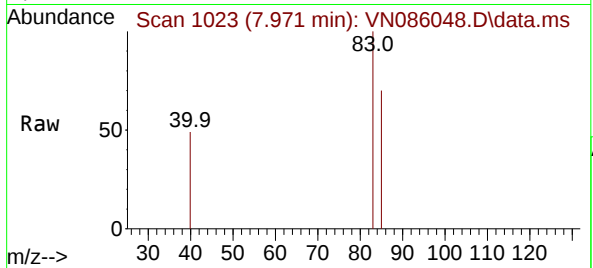




#30
Chloroform
Concen: 0.328 ug/l
RT: 7.971 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

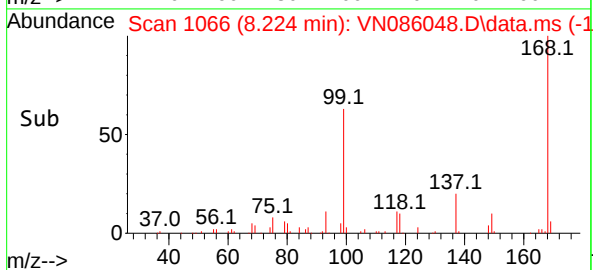
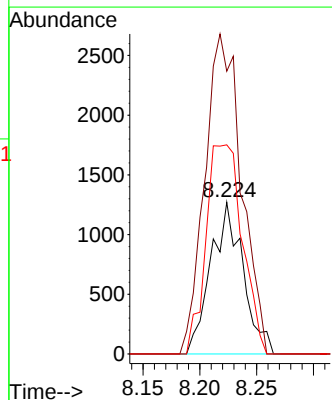
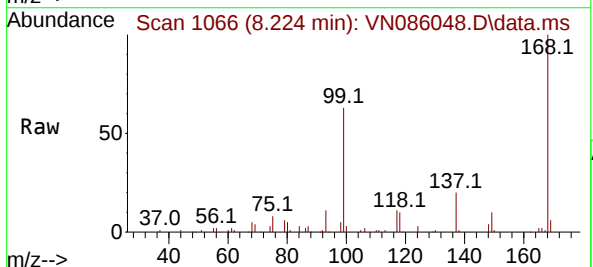
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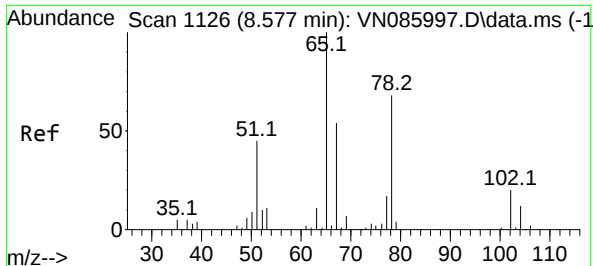
Tgt Ion: 83 Resp: 967
Ion Ratio Lower Upper
83 100
85 69.9 51.5 77.3



#31
Cyclohexane
Concen: 1.102 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 56 Resp: 2507
Ion Ratio Lower Upper
56 100
69 186.5 28.0 42.0#
84 137.9 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 57.741 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086048.D

Acq: 21 Mar 2025 18:30

Instrument :

MSVOA_N

ClientSampleId :

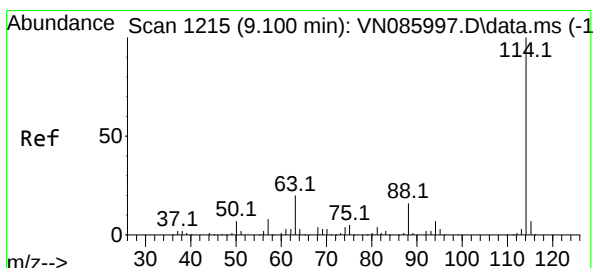
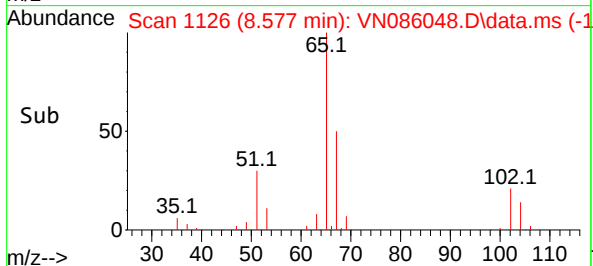
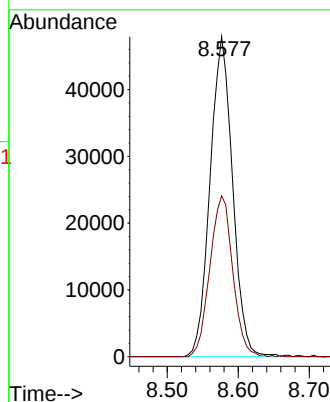
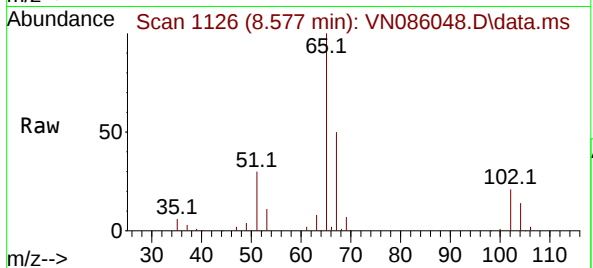
PB167234ZHE#08

Tgt Ion: 65 Resp: 105398

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086048.D

Acq: 21 Mar 2025 18:30

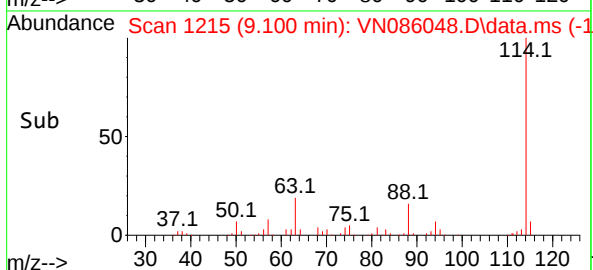
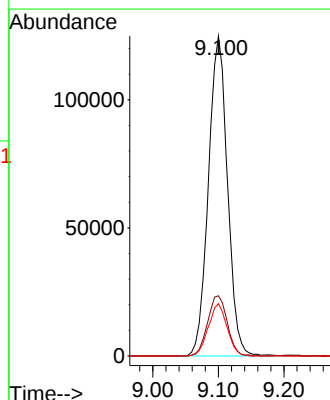
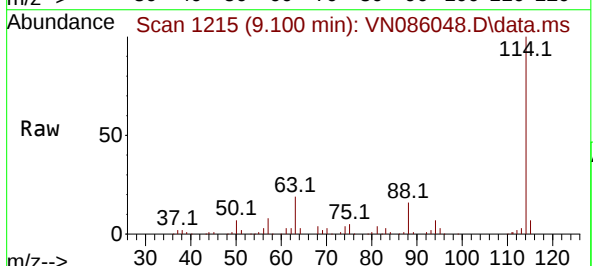
Tgt Ion: 114 Resp: 252508

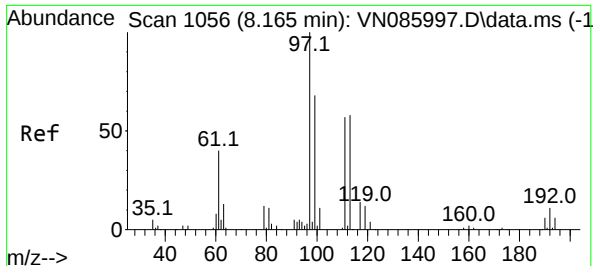
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 16.3 0.0 32.6

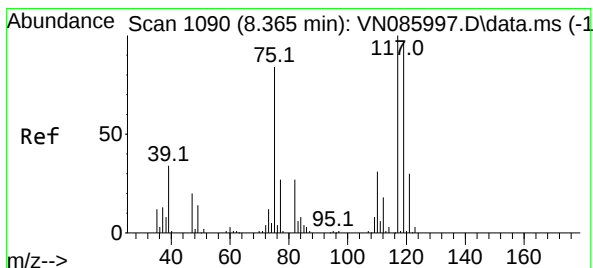
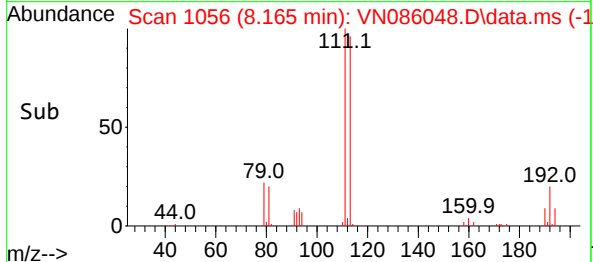
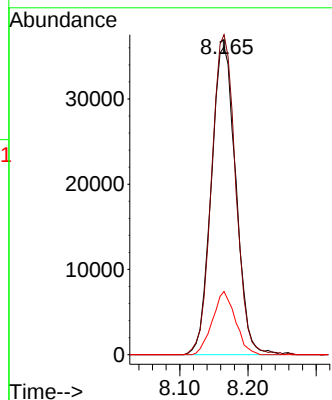
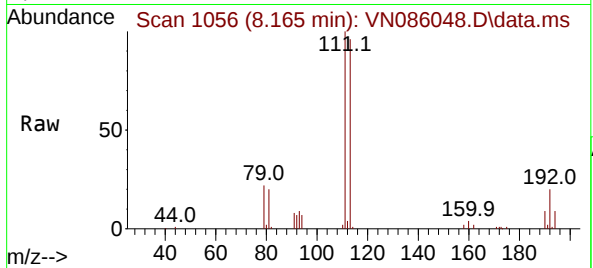




#35
Dibromofluoromethane
Concen: 51.623 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

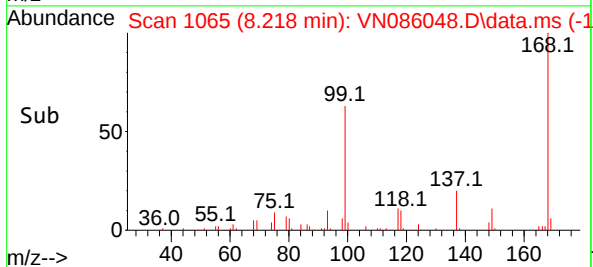
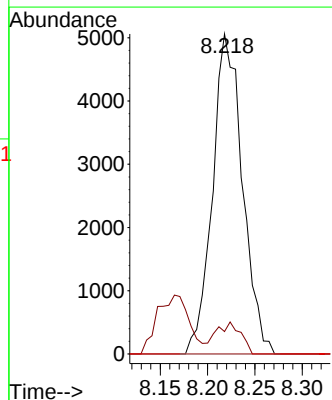
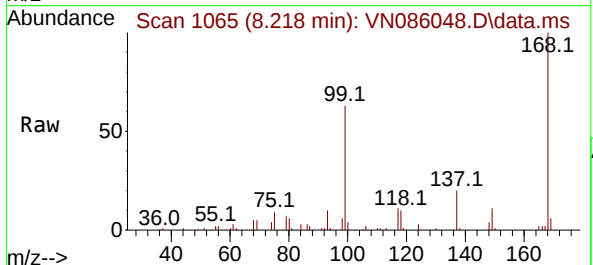
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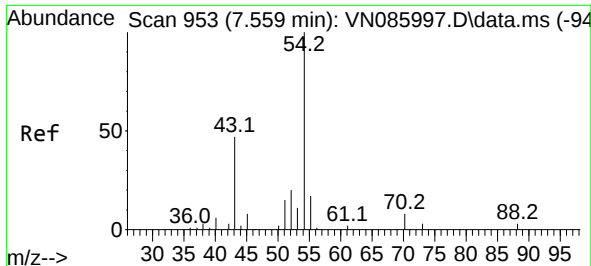
Tgt Ion:113 Resp: 90984
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.8
192 19.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.793 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 75 Resp: 11123
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.841 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086048.D

Acq: 21 Mar 2025 18:30

Instrument :

MSVOA_N

ClientSampleId :

PB167234ZHE#08

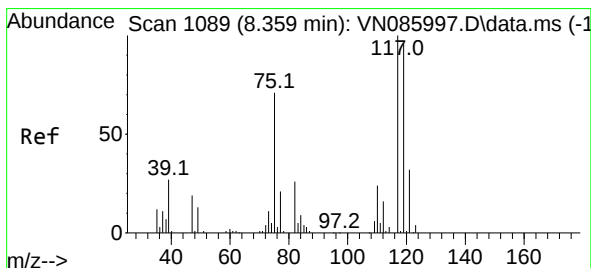
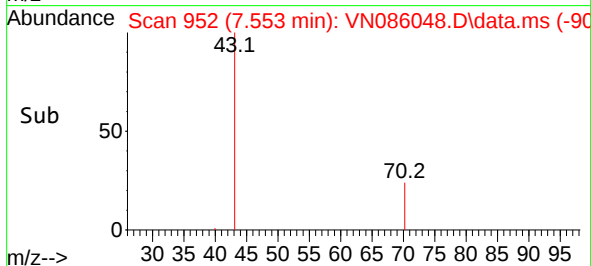
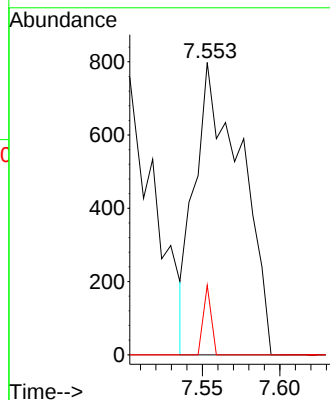
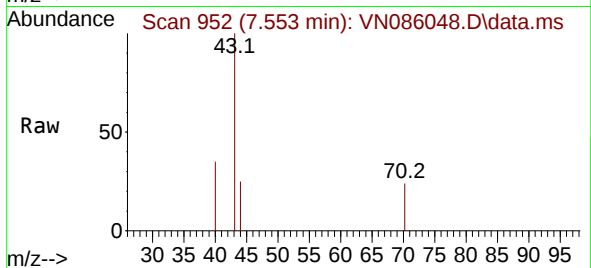
Tgt Ion: 43 Resp: 1647

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 4.1 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 4.682 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086048.D

Acq: 21 Mar 2025 18:30

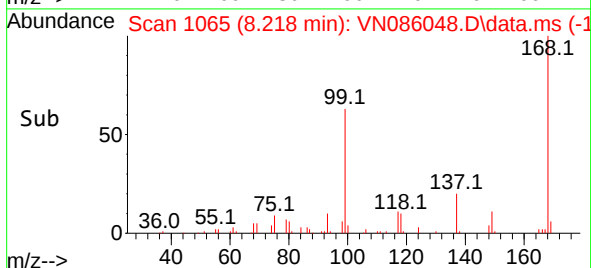
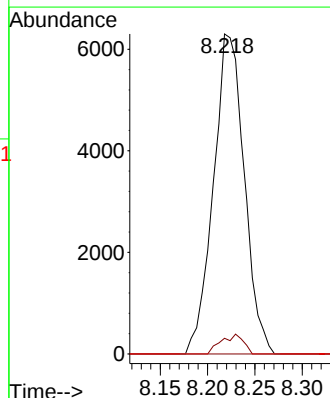
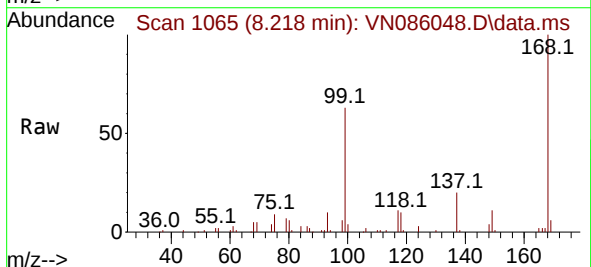
Tgt Ion: 117 Resp: 14287

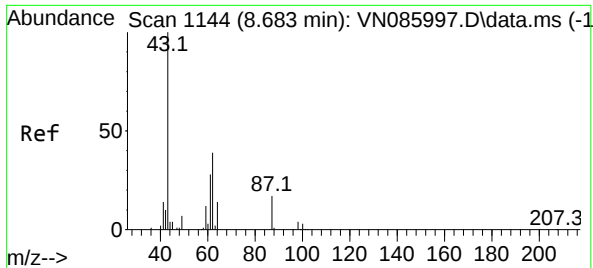
Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.4#

121 0.0 25.6 38.4#

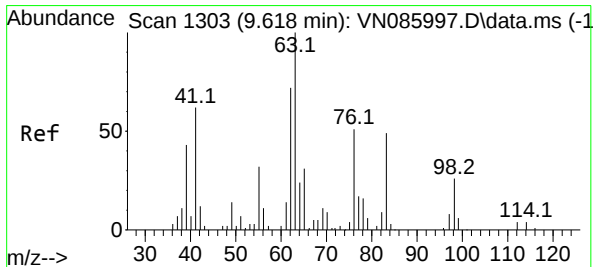
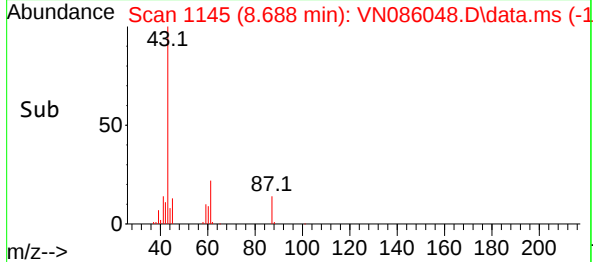
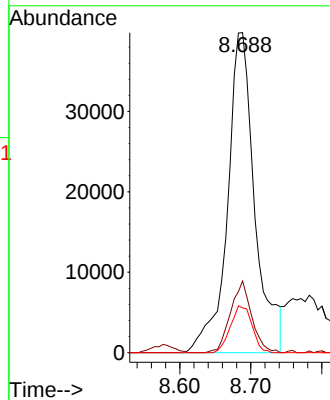
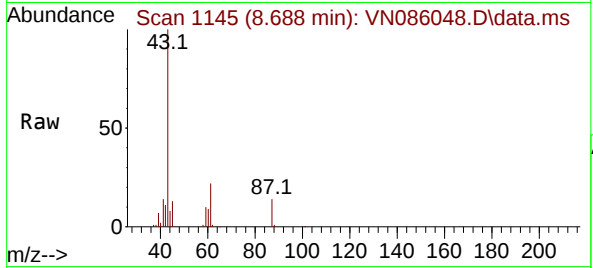




#43
Isopropyl Acetate
Concen: 25.166 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

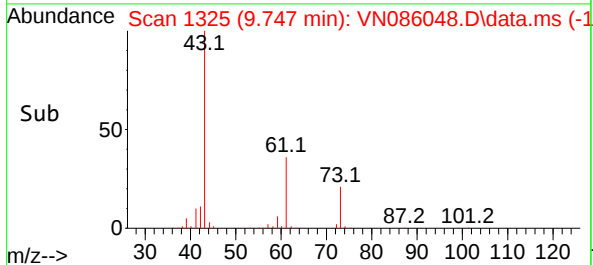
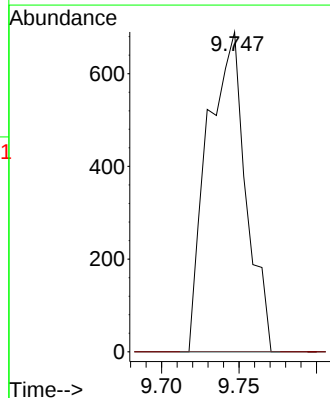
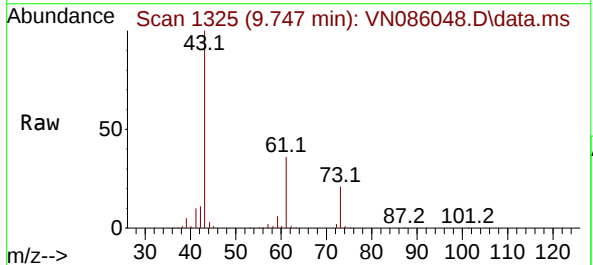
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

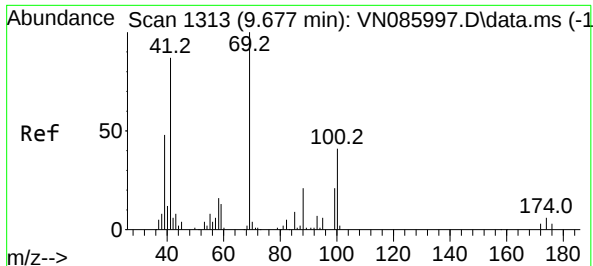
Tgt Ion: 43 Resp: 106770
Ion Ratio Lower Upper
43 100
61 17.3 25.0 37.6#
87 11.6 13.0 19.4#



#45
1,2-Dichloropropane
Concen: 0.715 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.129 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 63 Resp: 1185
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 1.556 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN086048.D

Acq: 21 Mar 2025 18:30

Instrument :

MSVOA_N

ClientSampleId :

PB167234ZHE#08

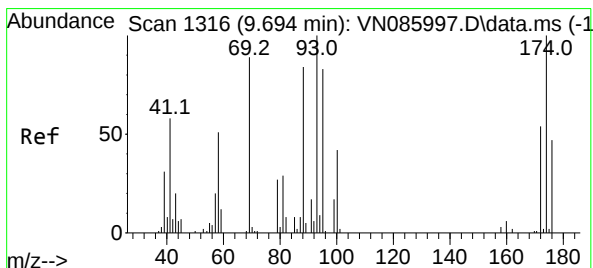
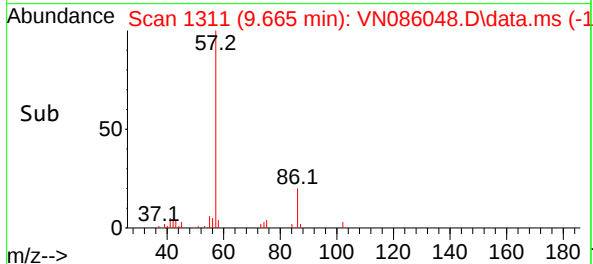
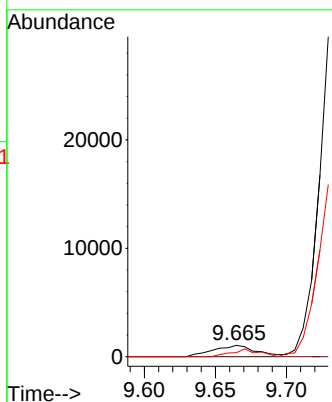
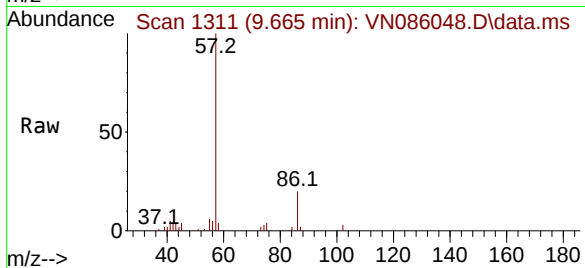
Tgt Ion: 41 Resp: 2179

Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 0.0 45.6 68.4#



#49

1,4-Dioxane

Concen: 1.722 ug/l

RT: 9.729 min Scan# 1322

Delta R.T. 0.035 min

Lab File: VN086048.D

Acq: 21 Mar 2025 18:30

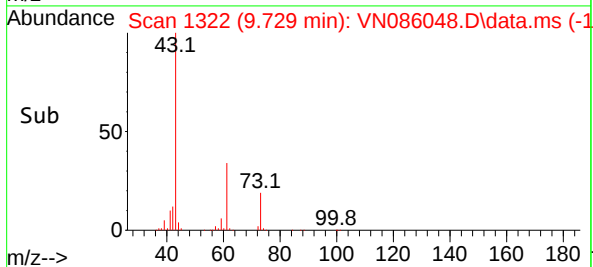
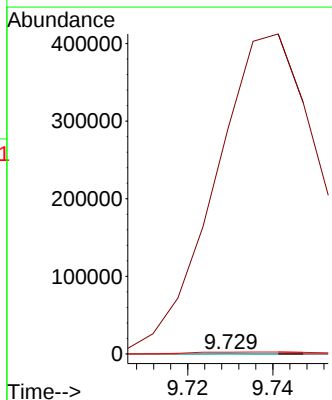
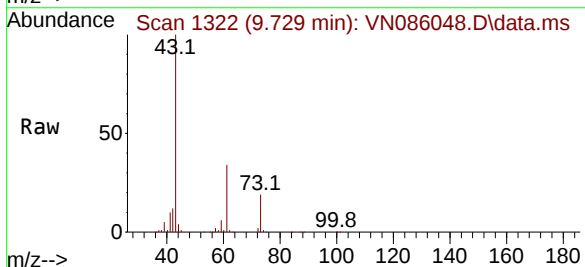
Tgt Ion: 88 Resp: 57

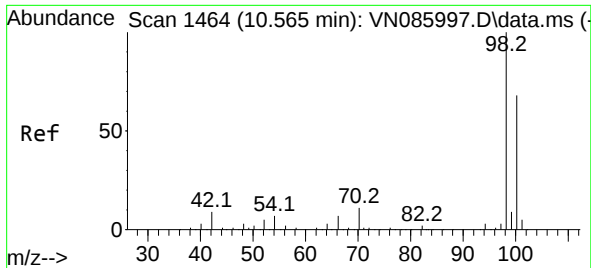
Ion Ratio Lower Upper

88 100

43 1290266.7 21.7 32.5#

58 9400.0 50.4 75.6#

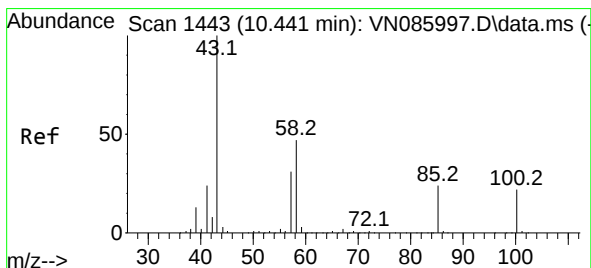
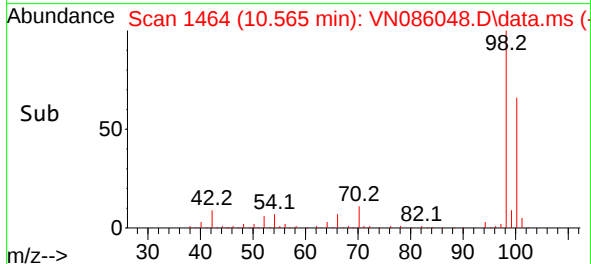
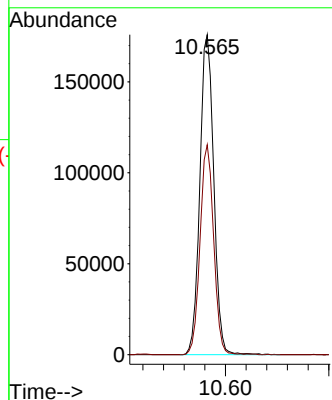
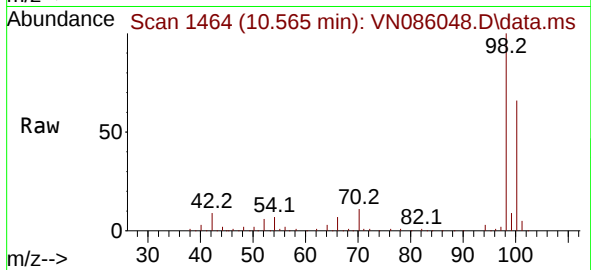




#50
Toluene-d8
Concen: 51.302 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

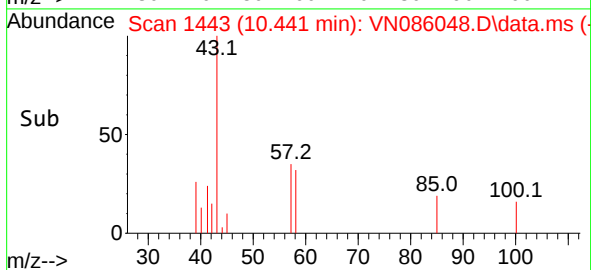
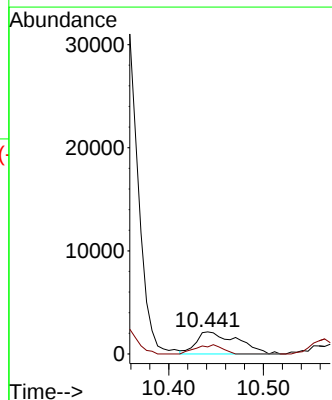
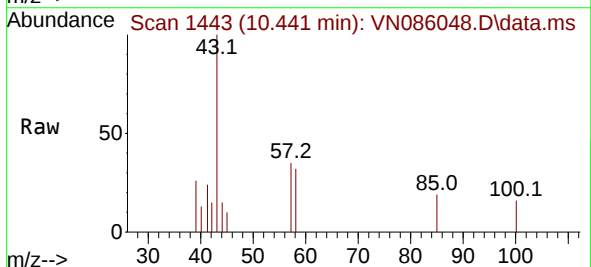
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

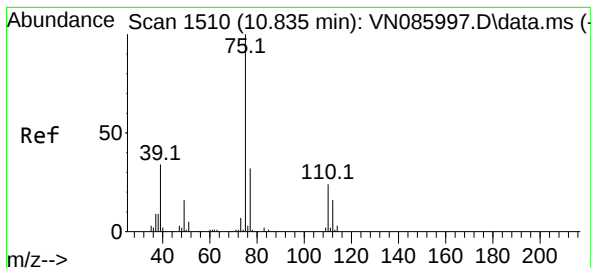
Tgt Ion: 98 Resp: 328153
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 3.484 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 43 Resp: 6518
Ion Ratio Lower Upper
43 100
58 26.4 37.4 56.0#

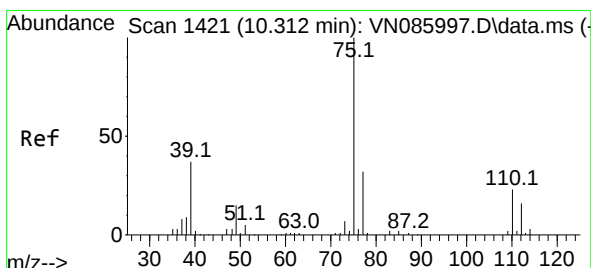
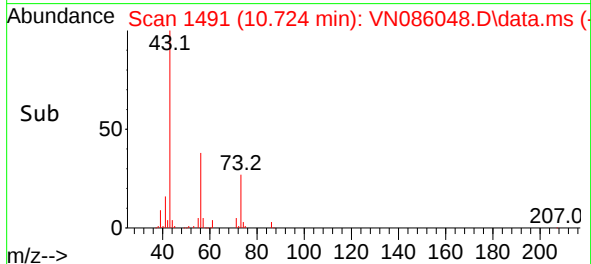
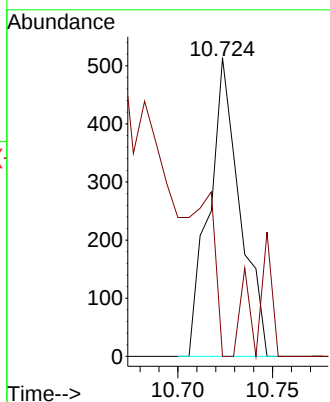
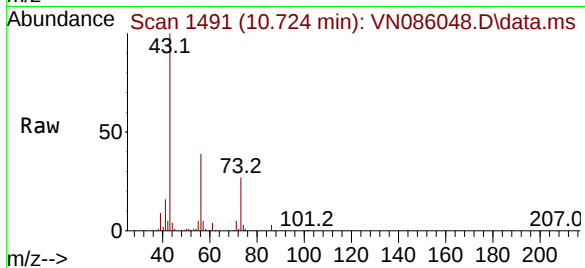




#53
t-1,3-Dichloropropene
Concen: 0.220 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

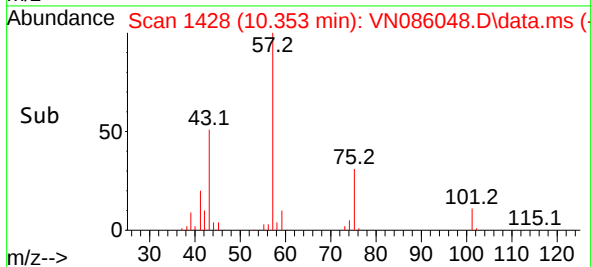
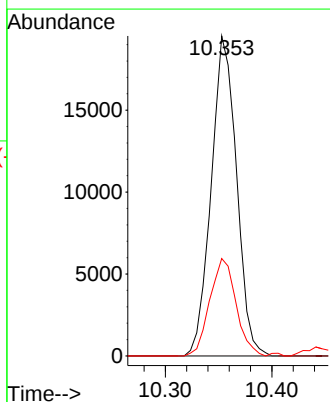
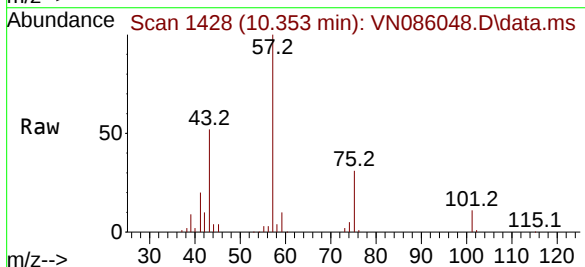
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

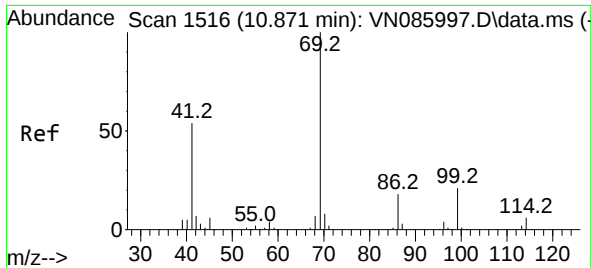
Tgt Ion: 75 Resp: 581
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#



#54
cis-1,3-Dichloropropene
Concen: 11.543 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 75 Resp: 32211
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 30.5 29.6 44.4

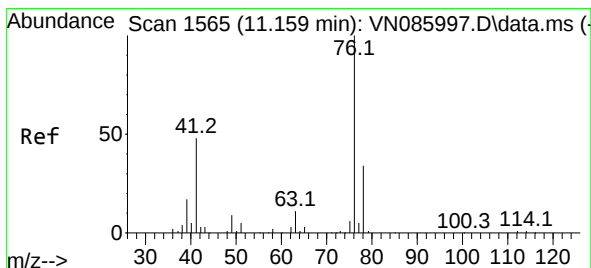
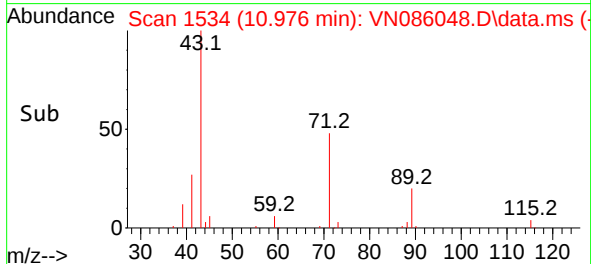
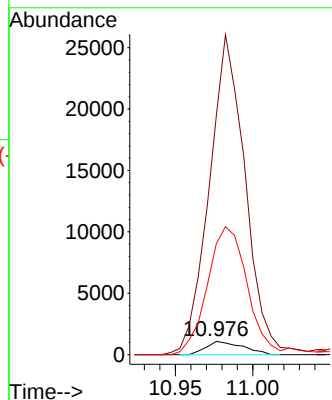
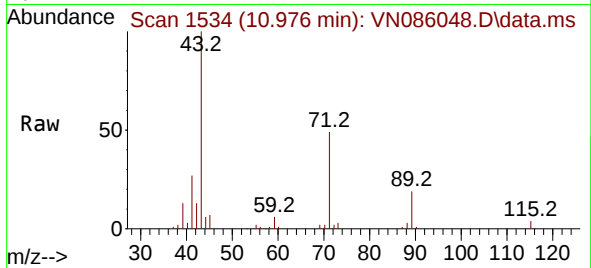




#56
Ethyl methacrylate
Concen: 1.012 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

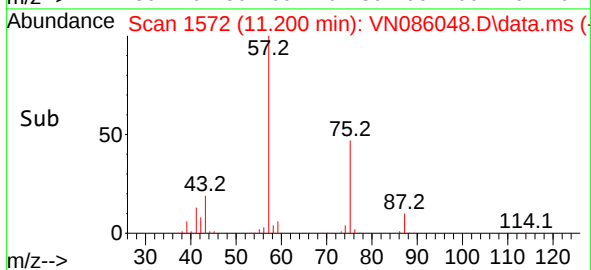
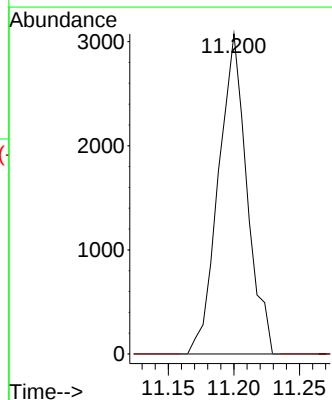
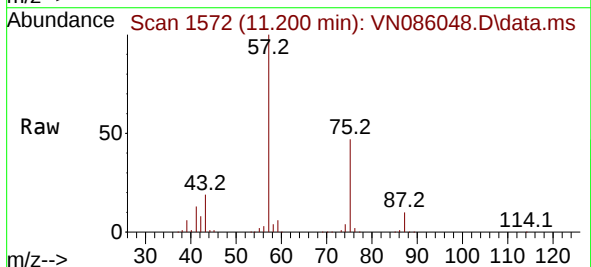
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

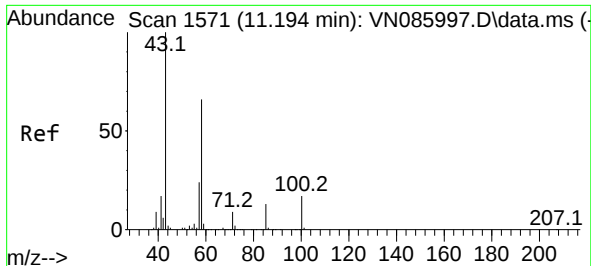
Tgt Ion: 69 Resp: 1777
Ion Ratio Lower Upper
69 100
41 2371.0 41.6 62.4#
39 1065.6 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 1.602 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 76 Resp: 4644
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

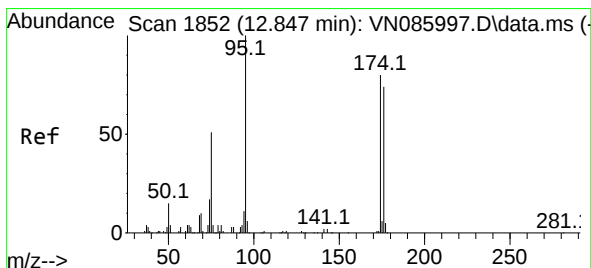
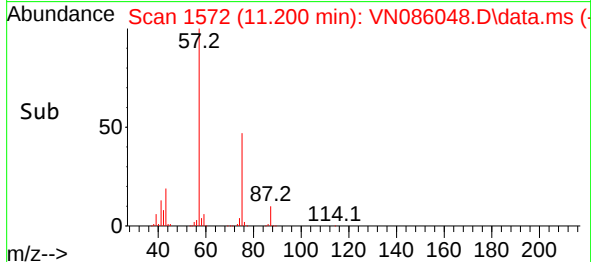
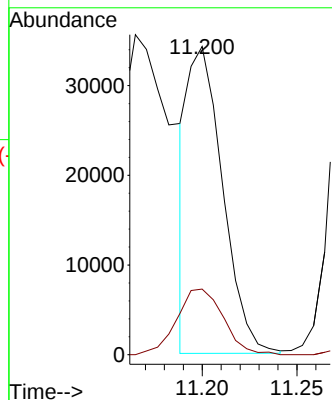
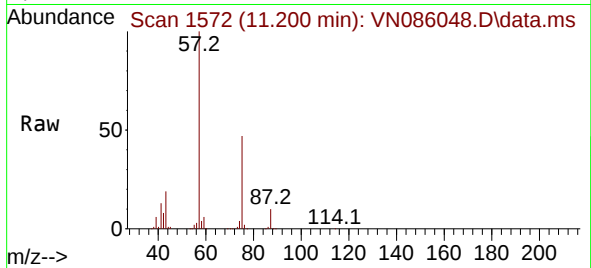




#59
2-Hexanone
Concen: 32.129 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

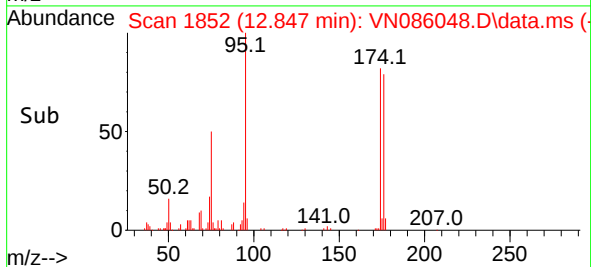
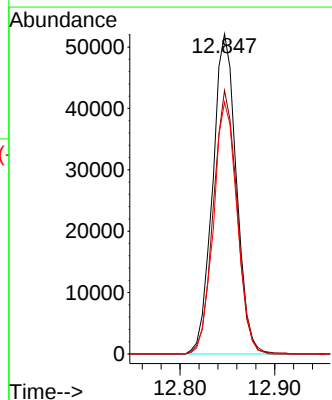
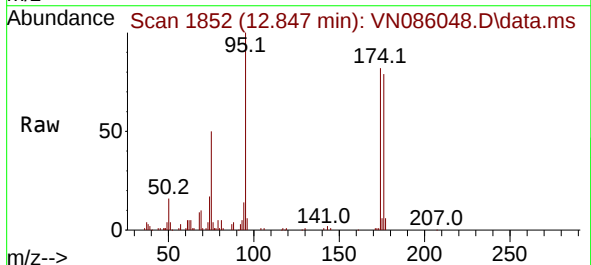
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

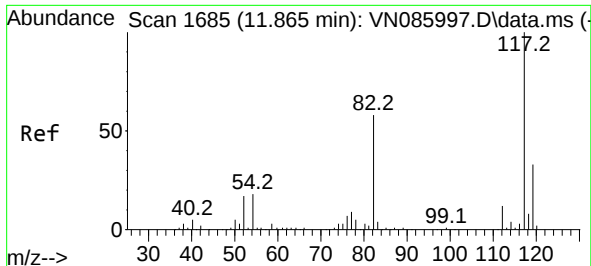
Tgt Ion: 43 Resp: 43794
Ion Ratio Lower Upper
43 100
58 28.6 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 39.719 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 95 Resp: 90608
Ion Ratio Lower Upper
95 100
174 82.2 0.0 156.8
176 78.7 0.0 152.2

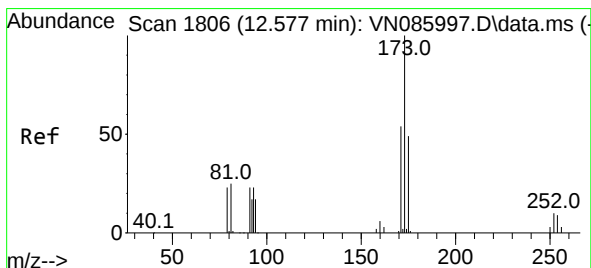
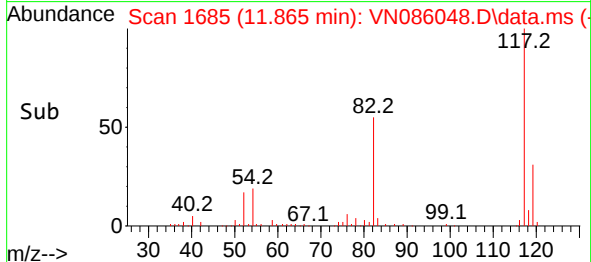
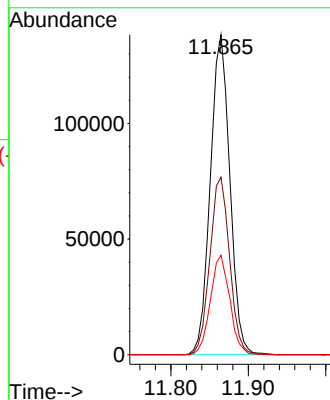
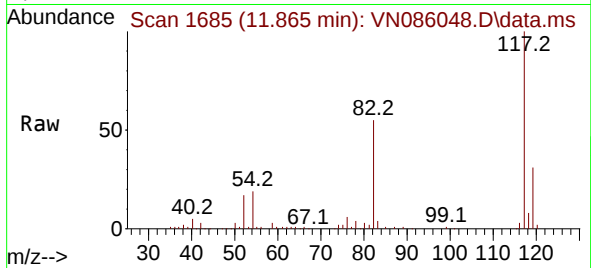




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

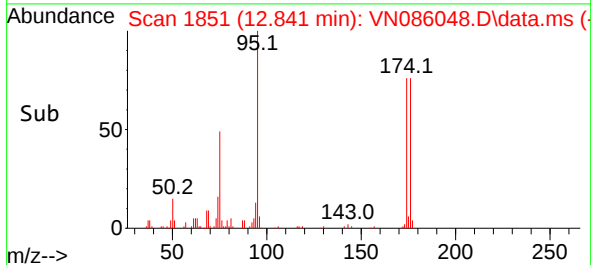
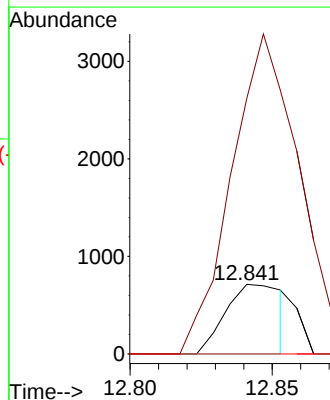
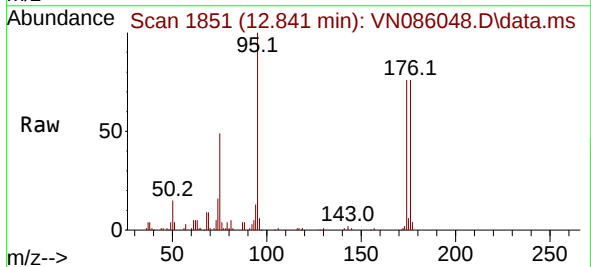
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

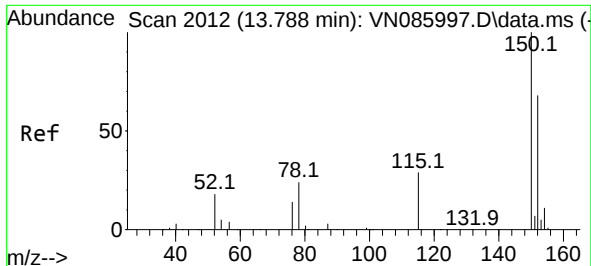
Tgt Ion:117 Resp: 242041
Ion Ratio Lower Upper
117 100
82 55.5 46.7 70.1
119 31.1 26.5 39.7



#71
Bromoform
Concen: 0.573 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion:173 Resp: 987
Ion Ratio Lower Upper
173 100
175 414.0 24.3 73.0#
254 0.0 0.0 0.0

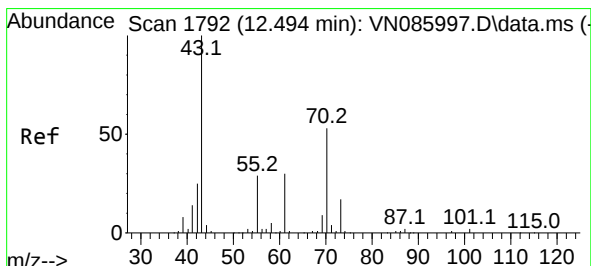
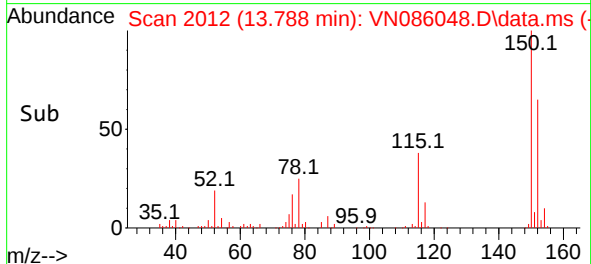
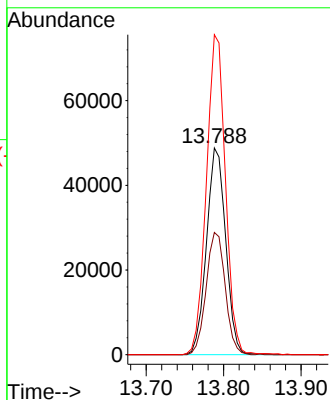
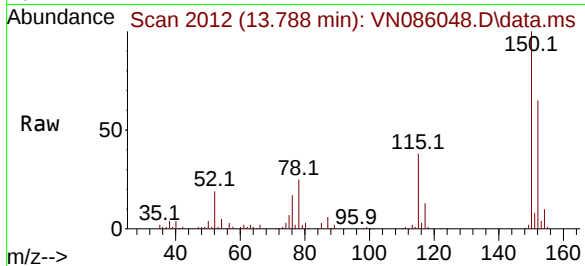




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

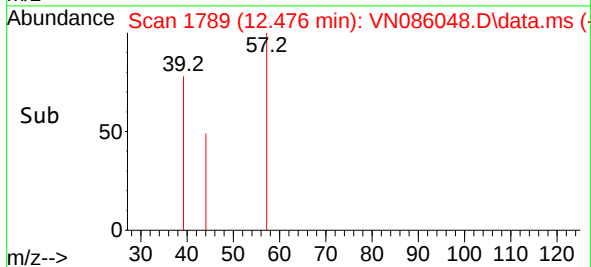
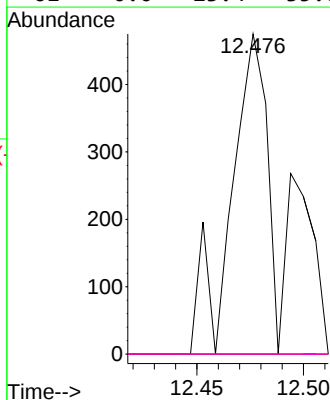
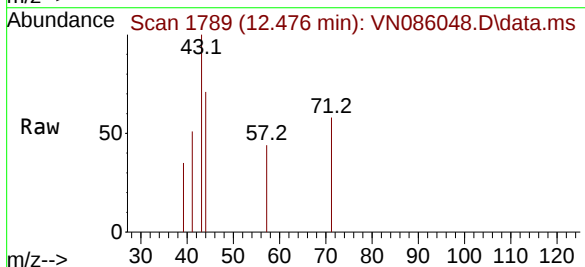
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

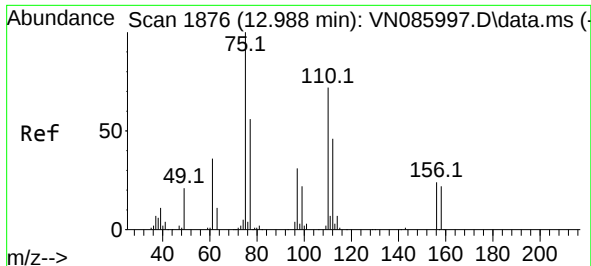
Tgt Ion:152 Resp: 84042
Ion Ratio Lower Upper
152 100
115 58.7 31.1 93.2
150 153.7 0.0 359.6



#74
N-ethyl acetate
Concen: 0.291 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
70 0.0 43.0 64.4#
55 0.0 23.8 35.8#
61 0.0 23.4 35.0#

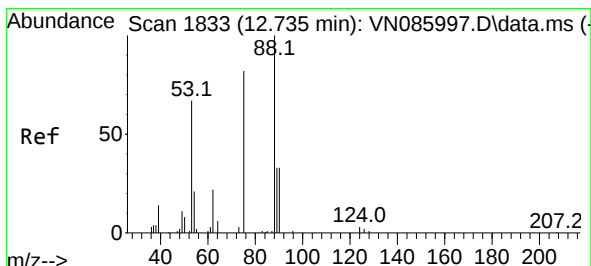
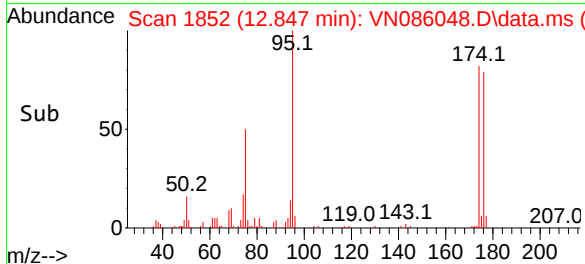
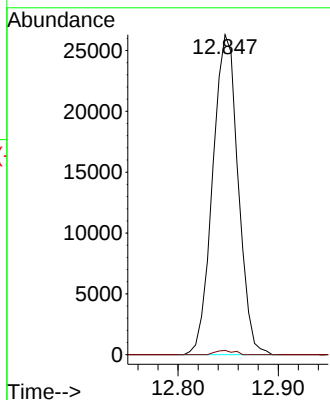
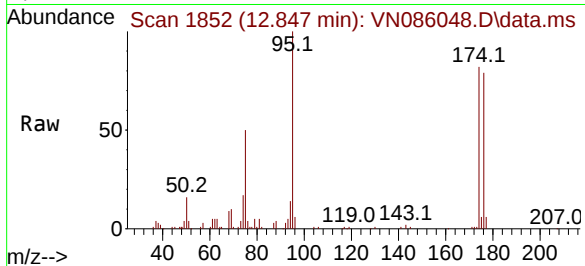




#76
1,2,3-Trichloropropane
Concen: 24.640 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#08

Tgt Ion: 75 Resp: 46362
Ion Ratio Lower Upper
75 100
77 1.0 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.145 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086048.D
Acq: 21 Mar 2025 18:30

Tgt Ion: 75 Resp: 46362
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#

