

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086690.D
 Acq On : 19 May 2025 15:27
 Operator : JC\MD
 Sample : PB168034ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#07

Quant Time: May 20 03:20:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

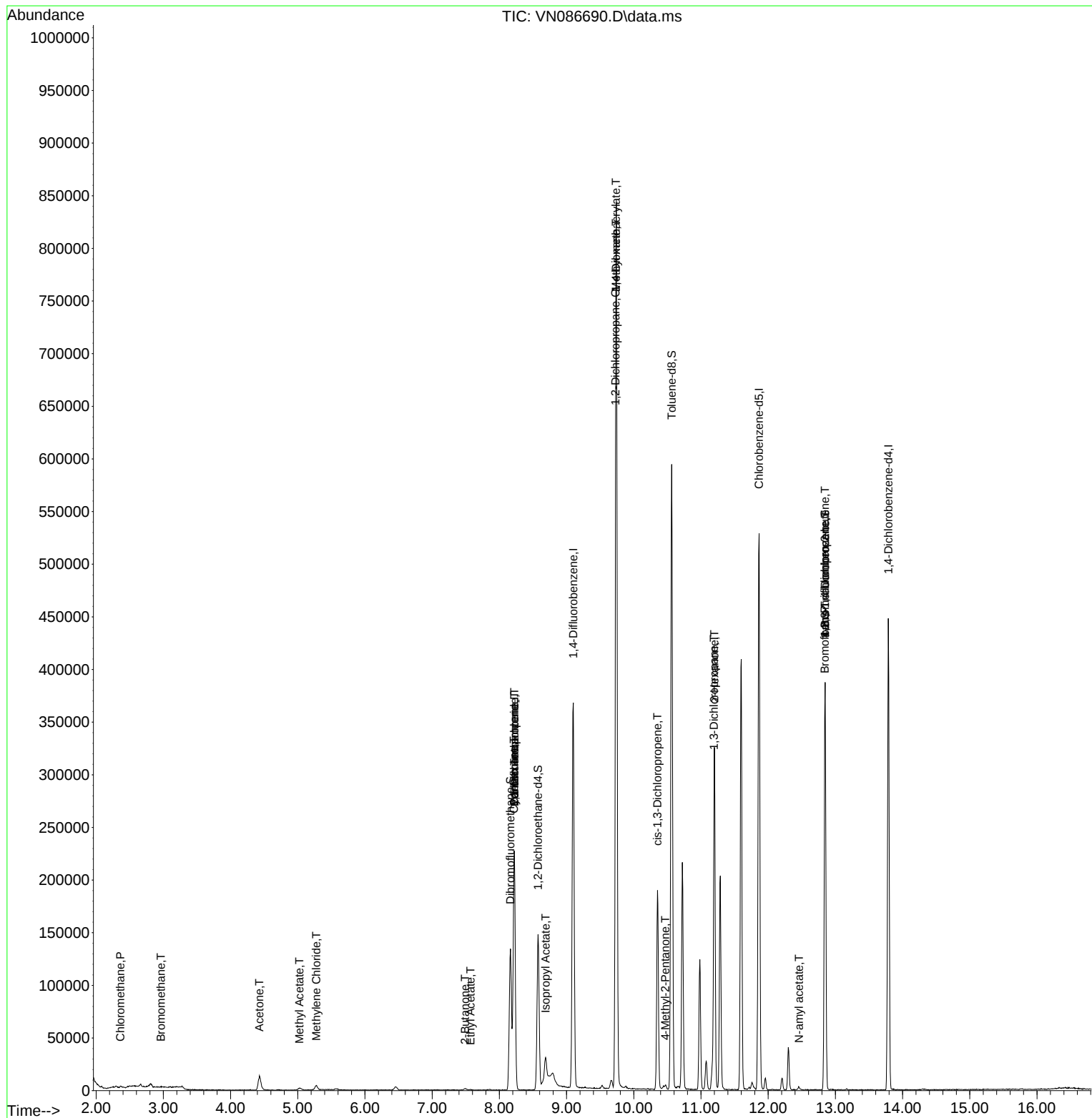
Internal Standards						
1) Pentafluorobenzene	8.224	168	169882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121325	51.684	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.360%			
35) Dibromofluoromethane	8.165	113	101278	51.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.820%			
50) Toluene-d8	10.565	98	419554	51.895	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.800%			
62) 4-Bromofluorobenzene	12.847	95	144349	50.566	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.140%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1127	0.406	ug/l	97
5) Bromomethane	2.965	94	288	0.200	ug/l #	80
16) Acetone	4.430	43	25580	29.131	ug/l	96
18) Methyl Acetate	5.024	43	4053	1.649	ug/l #	75
20) Methylene Chloride	5.277	84	3314	1.430	ug/l	91
25) 2-Butanone	7.488	43	2617	1.929	ug/l	98
31) Cyclohexane	8.218	56	3466	0.984	ug/l #	9
36) 1,1-Dichloropropene	8.224	75	13813	4.800	ug/l #	48
37) Ethyl Acetate	7.571	43	792	0.272	ug/l #	67
38) Carbon Tetrachloride	8.224	117	16389	5.780	ug/l #	16
43) Isopropyl Acetate	8.688	43	48761	8.368	ug/l #	73
45) 1,2-Dichloropropane	9.729	63	967	0.434	ug/l #	42
48) Methyl methacrylate	9.735	41	73547	32.570	ug/l #	36
49) 1,4-Dioxane	9.735	88	61	1.276	ug/l #	1
51) 4-Methyl-2-Pentanone	10.471	43	5856	1.993	ug/l #	33
54) cis-1,3-Dichloropropene	10.353	75	36825	10.277	ug/l #	60
57) 1,3-Dichloropropane	11.194	76	3363	0.897	ug/l #	42
59) 2-Hexanone	11.200	43	59332	27.648	ug/l #	40
71) Bromoform	12.841	173	518	0.326	ug/l #	30
74) N-amyl acetate	12.459	43	3147	0.795	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	70512	25.417	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70512	64.143	ug/l #	15

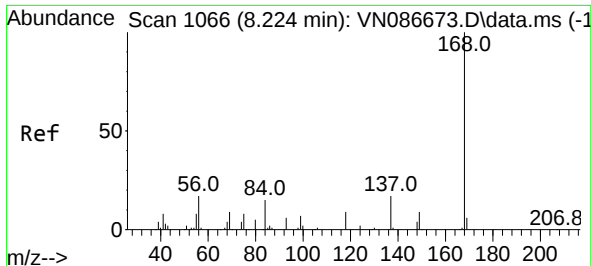
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
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Quant Time: May 20 03:20:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

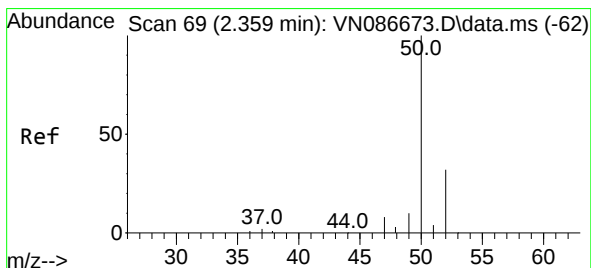
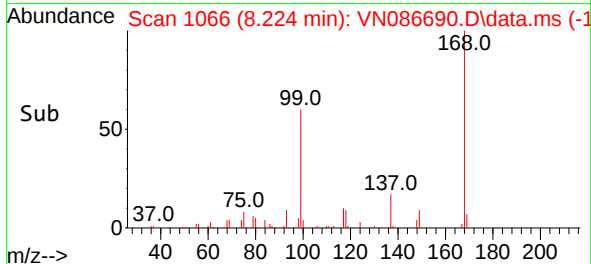
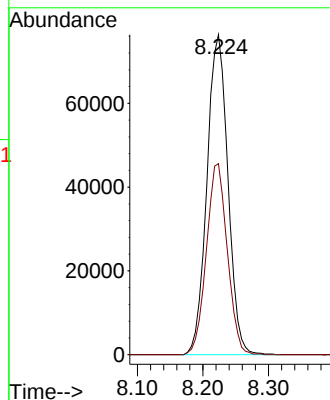
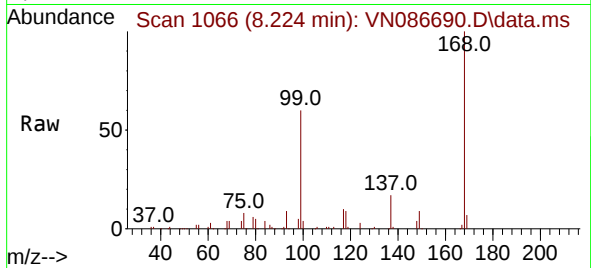




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

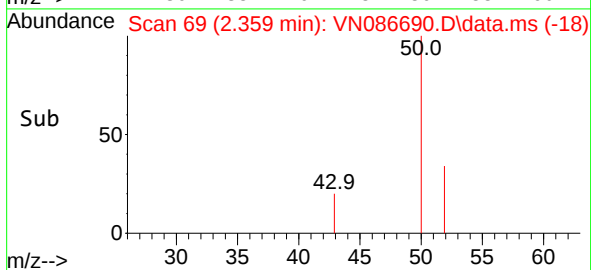
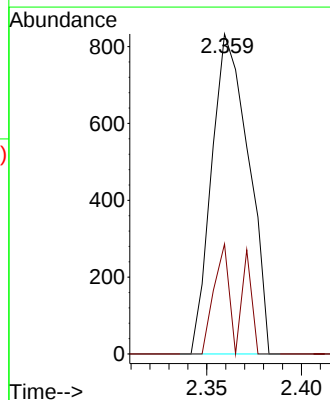
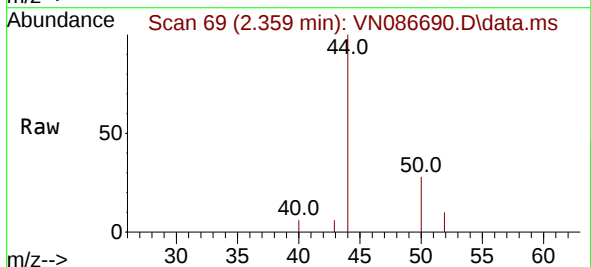
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#07

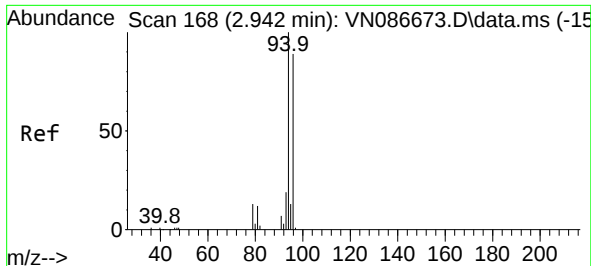
Tgt Ion:168 Resp: 169882
Ion Ratio Lower Upper
168 100
99 59.7 47.0 70.4



#3
Chloromethane
Concen: 0.406 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion: 50 Resp: 1127
Ion Ratio Lower Upper
50 100
52 34.3 25.9 38.9

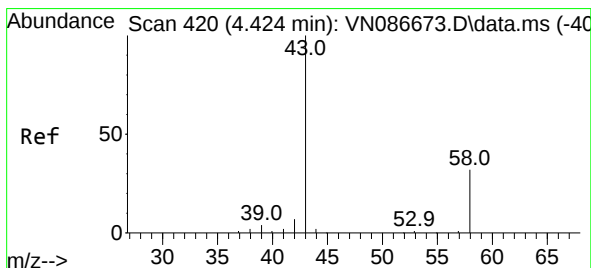
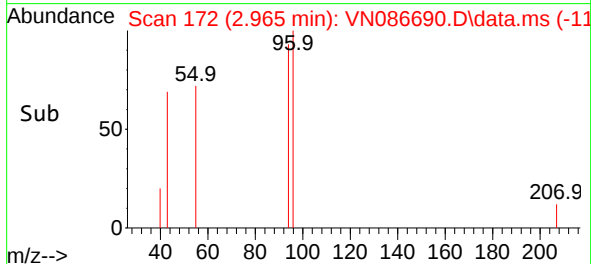
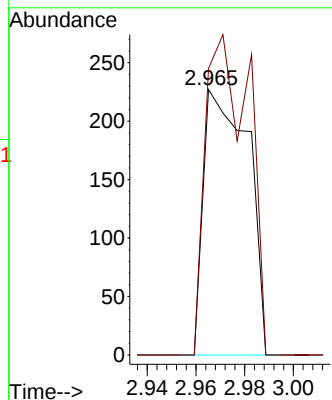
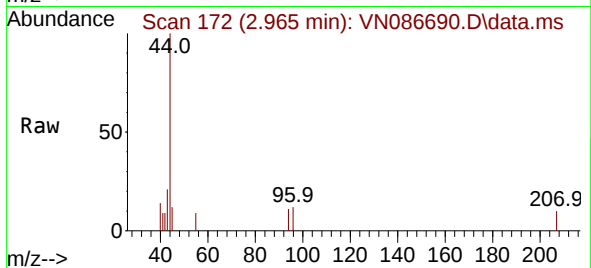




#5
Bromomethane
Concen: 0.200 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

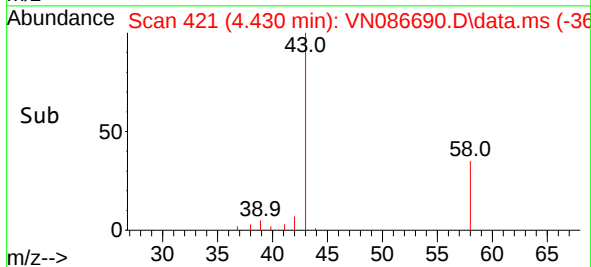
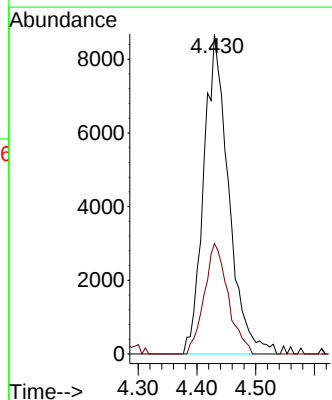
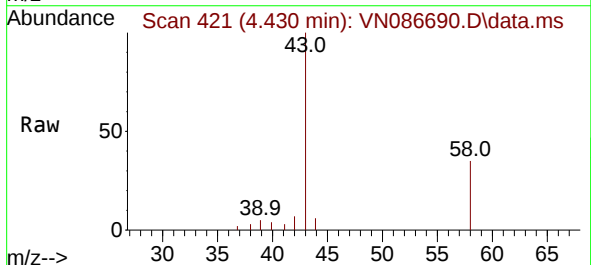
Instrument :
MSVOA_N
ClientSampleId :
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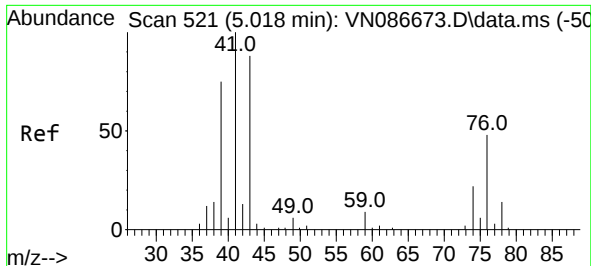
Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 107.9 71.2 106.8#



#16
Acetone
Concen: 29.131 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion: 43 Resp: 25580
Ion Ratio Lower Upper
43 100
58 34.5 25.8 38.6

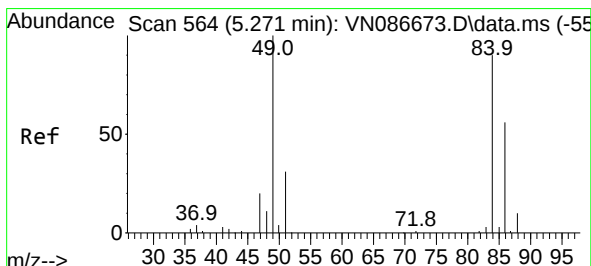
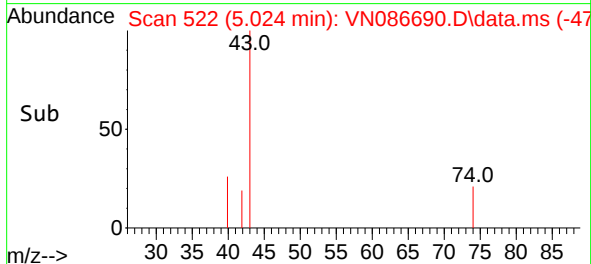
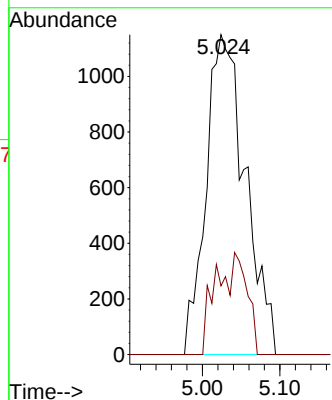
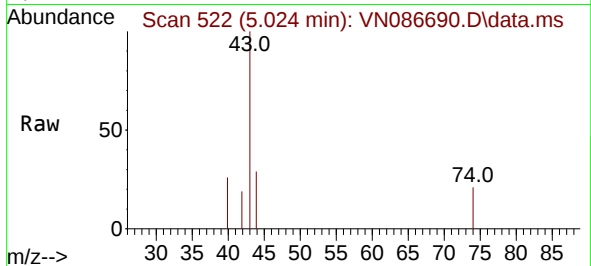




#18
Methyl Acetate
Concen: 1.649 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

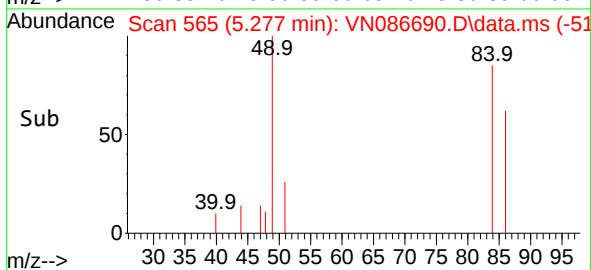
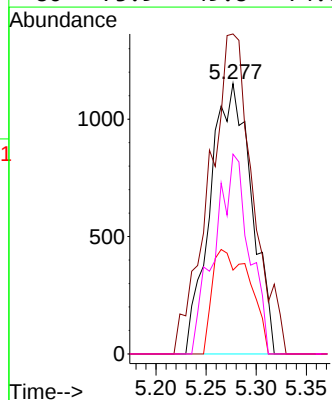
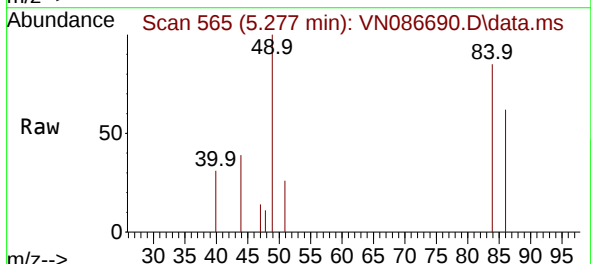
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#07

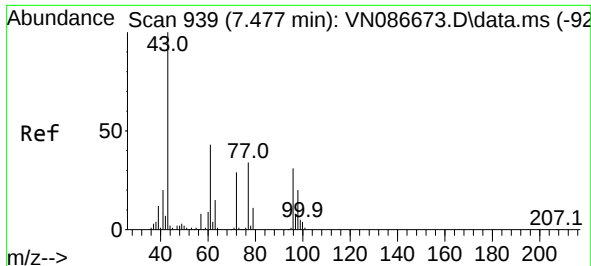
Tgt Ion: 43 Resp: 4053
Ion Ratio Lower Upper
43 100
74 13.0 20.5 30.7#



#20
Methylene Chloride
Concen: 1.430 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion: 84 Resp: 3314
Ion Ratio Lower Upper
84 100
49 103.7 88.8 133.2
51 31.0 27.8 41.6
86 73.9 49.8 74.6

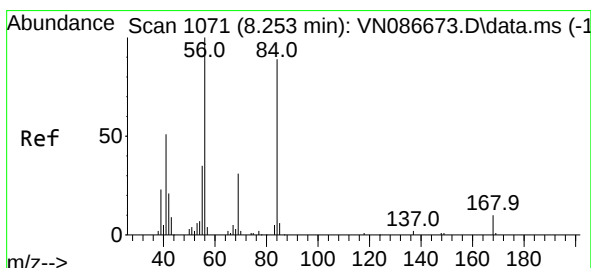
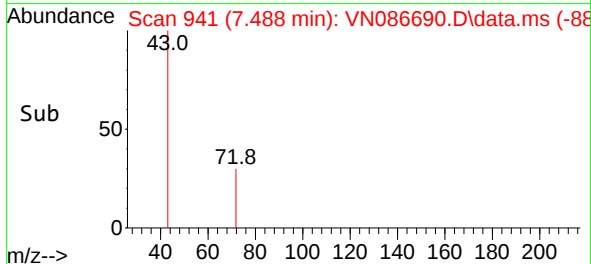
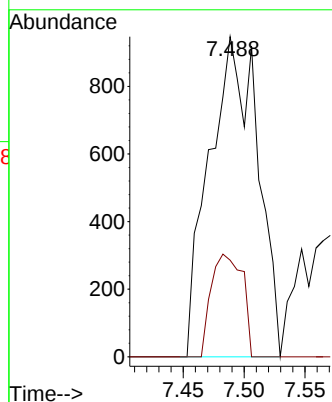
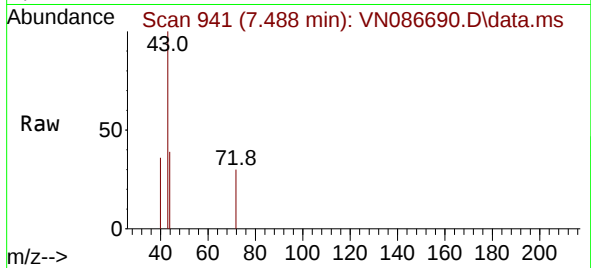




#25
2-Butanone
Concen: 1.929 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

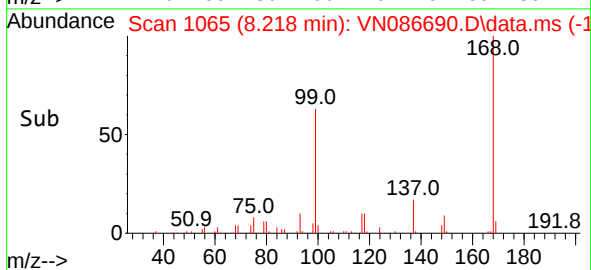
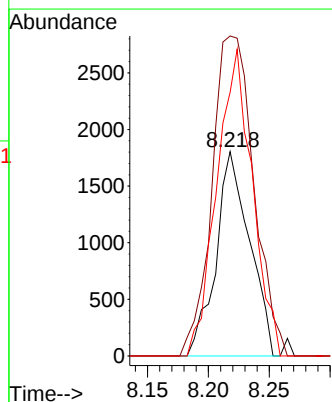
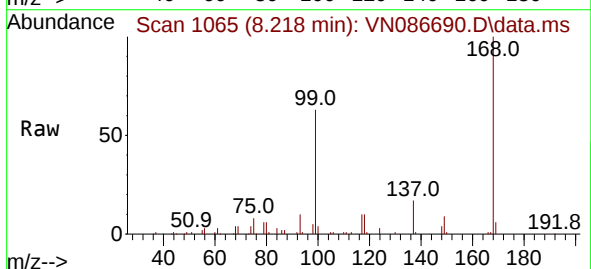
Instrument :
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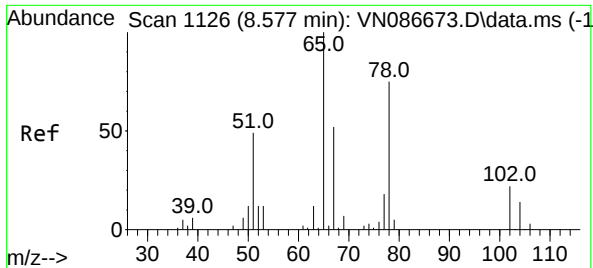
Tgt Ion: 43 Resp: 2617
Ion Ratio Lower Upper
43 100
72 30.2 23.1 34.7



#31
Cyclohexane
Concen: 0.984 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion: 56 Resp: 3466
Ion Ratio Lower Upper
56 100
69 156.6 25.0 37.6#
84 129.0 71.0 106.4#

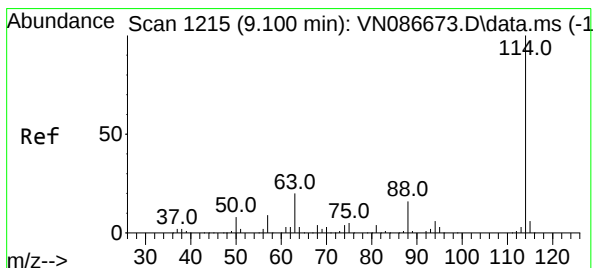
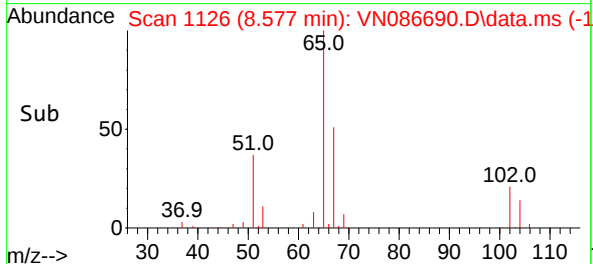
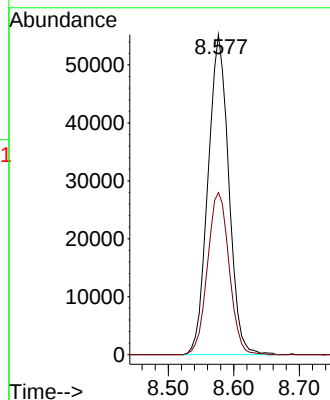
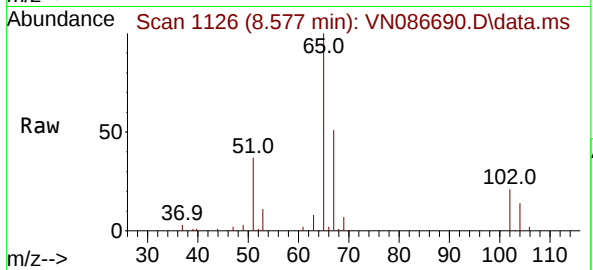




#33
 1,2-Dichloroethane-d4
 Concen: 51.684 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086690.D
 Acq: 19 May 2025 15:27

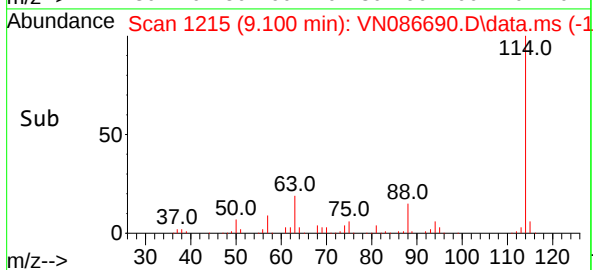
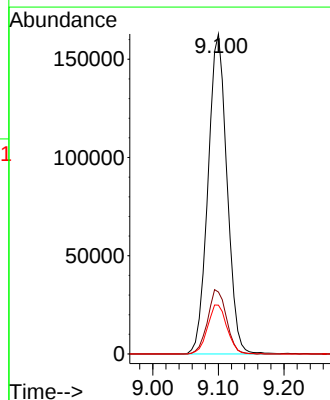
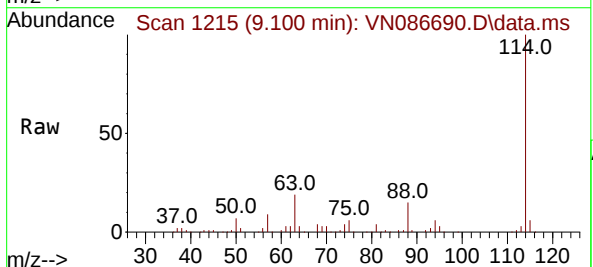
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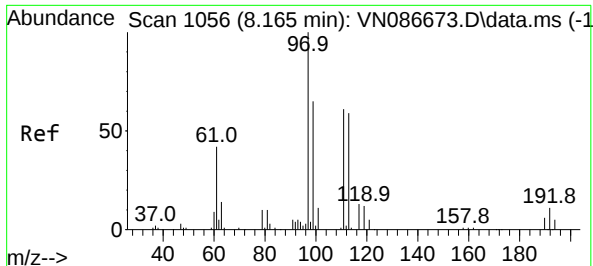
Tgt Ion: 65 Resp: 121325
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086690.D
 Acq: 19 May 2025 15:27

Tgt Ion: 114 Resp: 327584
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.2
 88 15.2 0.0 31.2

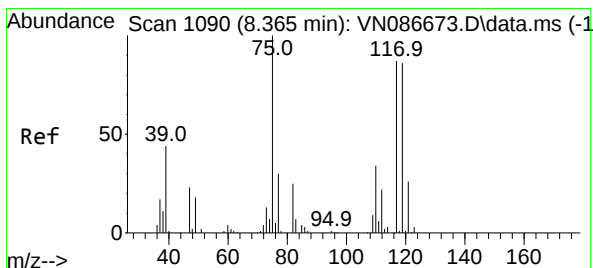
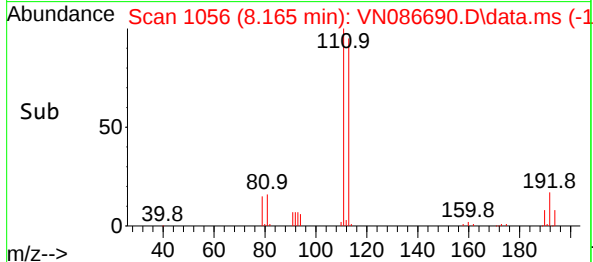
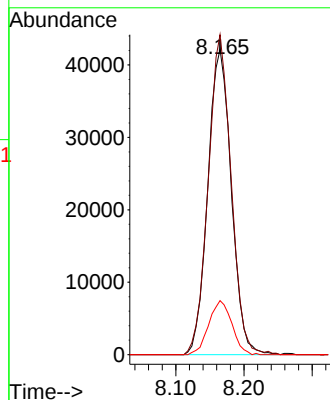
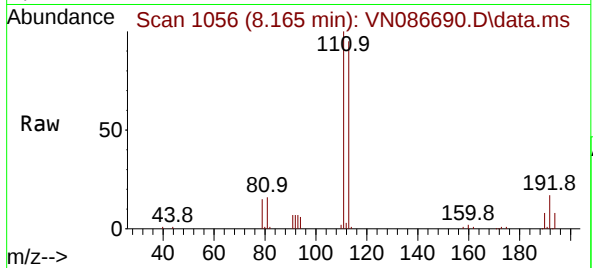




#35
Dibromofluoromethane
Concen: 51.913 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

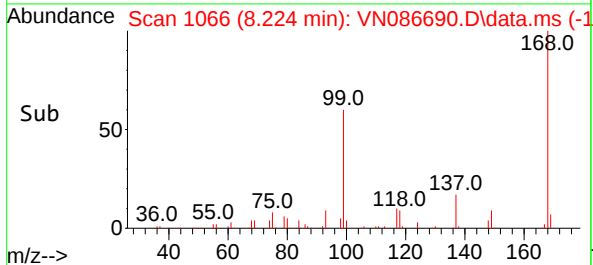
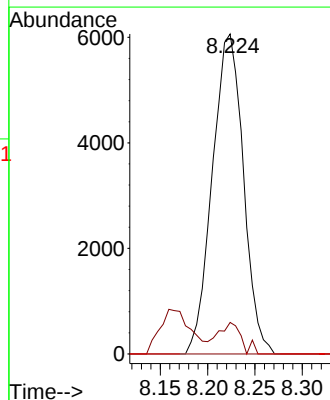
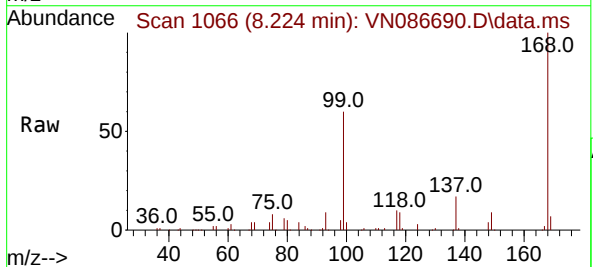
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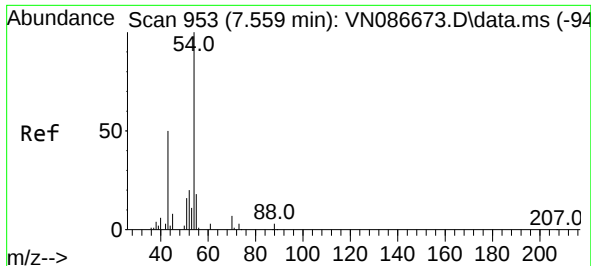
Tgt Ion:113 Resp: 101278
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 17.4 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.800 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion: 75 Resp: 13813
Ion Ratio Lower Upper
75 100
110 7.4 17.5 52.5#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.272 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN086690.D

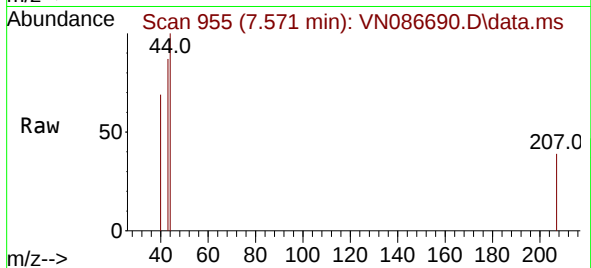
Acq: 19 May 2025 15:27

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#07



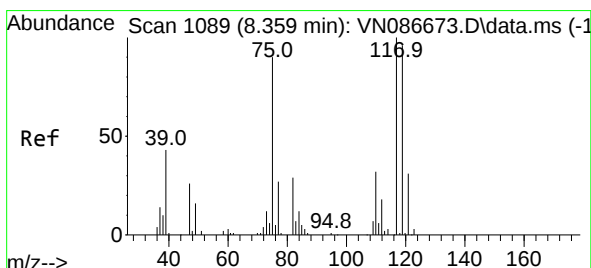
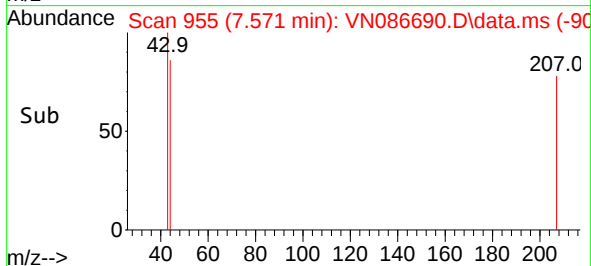
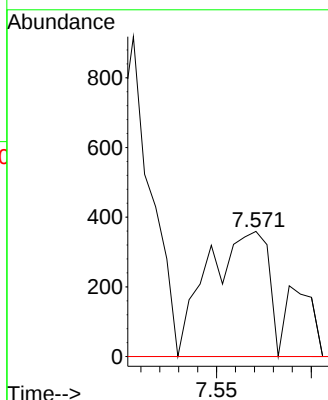
Tgt Ion: 43 Resp: 792

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.0 9.4 14.0#



#38

Carbon Tetrachloride

Concen: 5.780 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086690.D

Acq: 19 May 2025 15:27

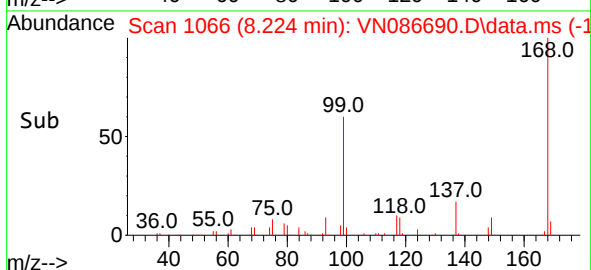
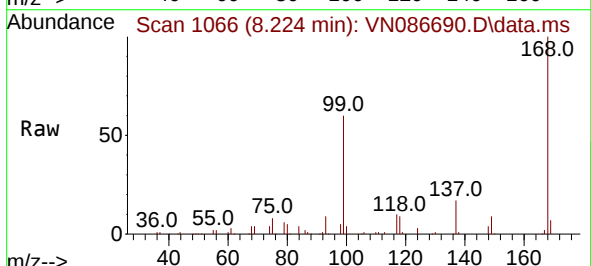
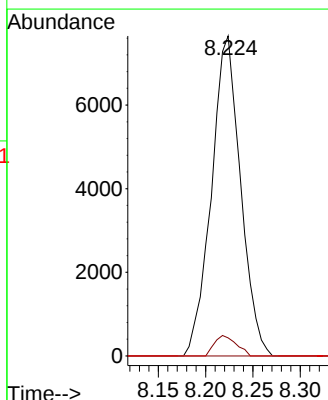
Tgt Ion: 117 Resp: 16389

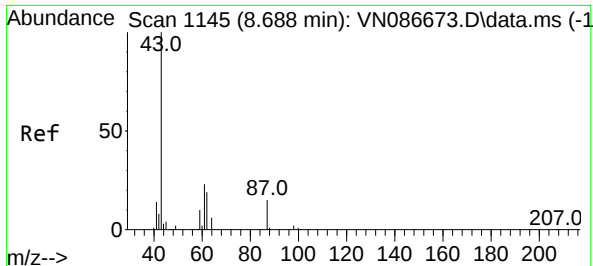
Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.6#

121 0.0 25.0 37.6#

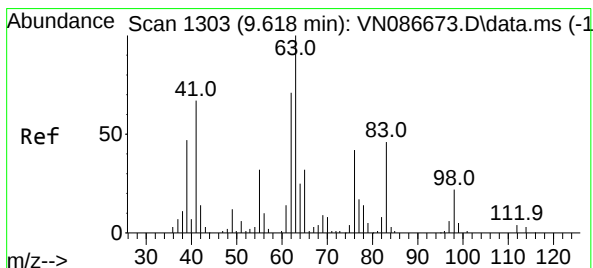
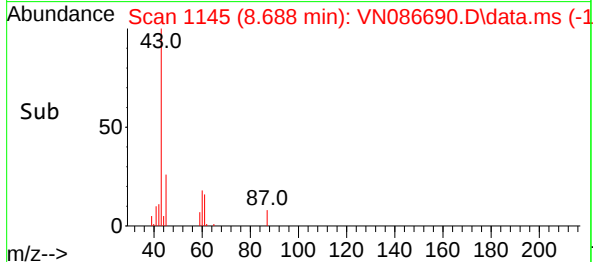
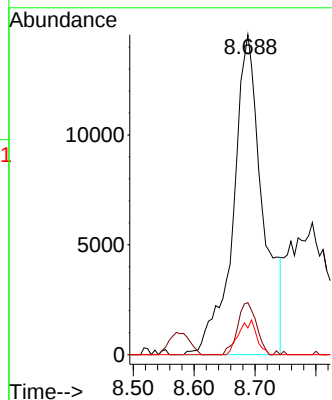
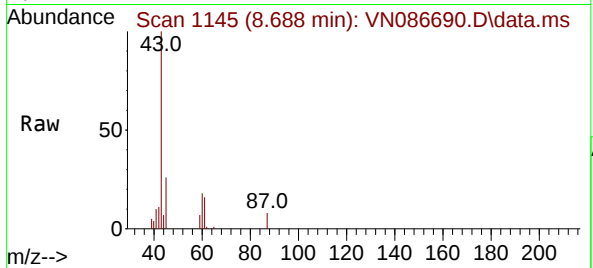




#43
Isopropyl Acetate
Concen: 8.368 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

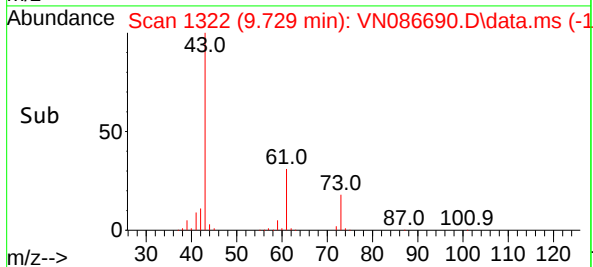
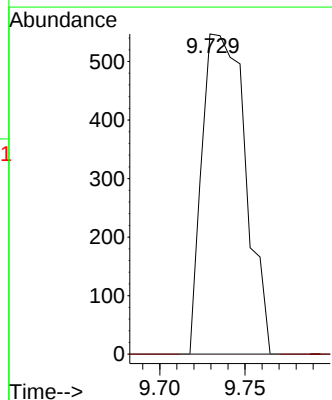
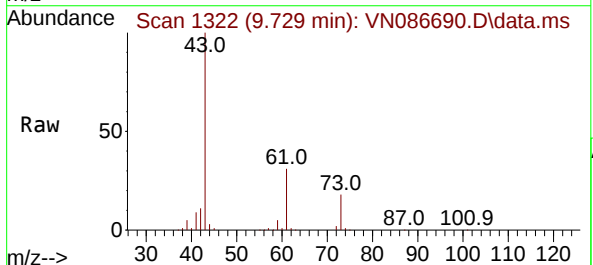
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#07

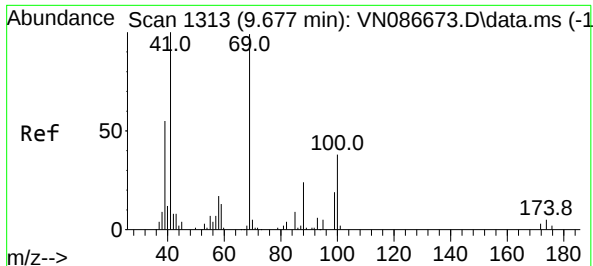
Tgt Ion: 43 Resp: 48761
Ion Ratio Lower Upper
43 100
61 10.5 21.4 32.2#
87 6.6 11.1 16.7#



#45
1,2-Dichloropropane
Concen: 0.434 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.112 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion: 63 Resp: 967
Ion Ratio Lower Upper
63 100
65 0.0 25.8 38.6#





#48

Methyl methacrylate

Concen: 32.570 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086690.D

Acq: 19 May 2025 15:27

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#07

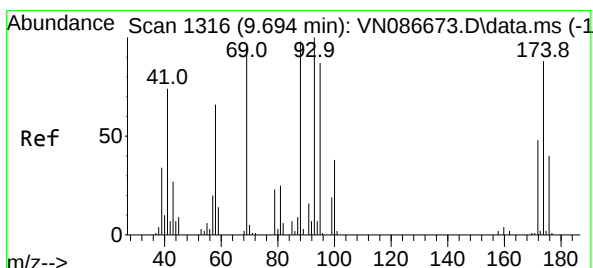
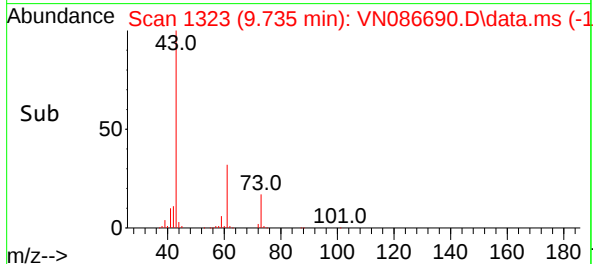
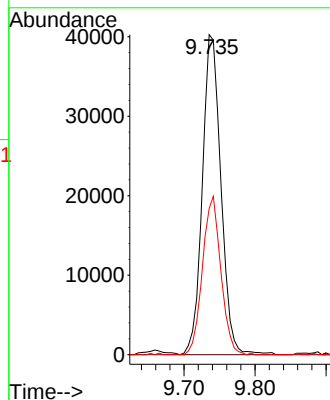
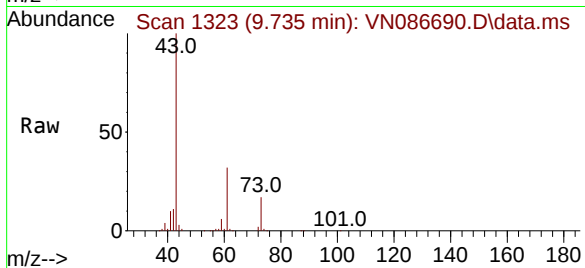
Tgt Ion: 41 Resp: 73547

Ion Ratio Lower Upper

41 100

69 0.0 74.1 111.1#

39 48.8 44.1 66.1



#49

1,4-Dioxane

Concen: 1.276 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.041 min

Lab File: VN086690.D

Acq: 19 May 2025 15:27

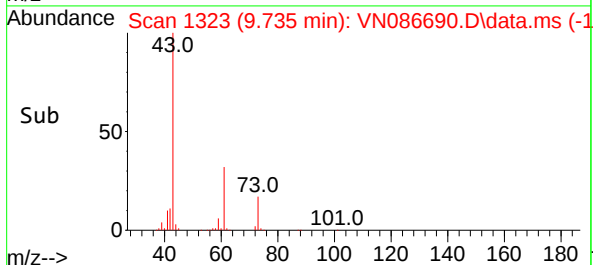
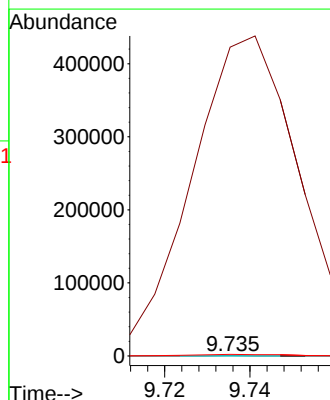
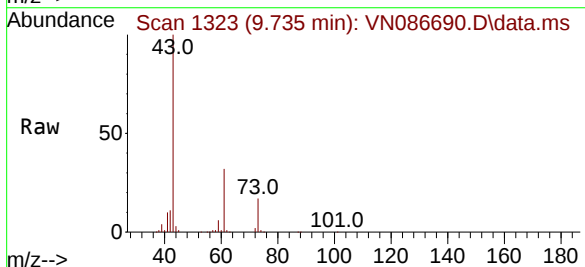
Tgt Ion: 88 Resp: 61

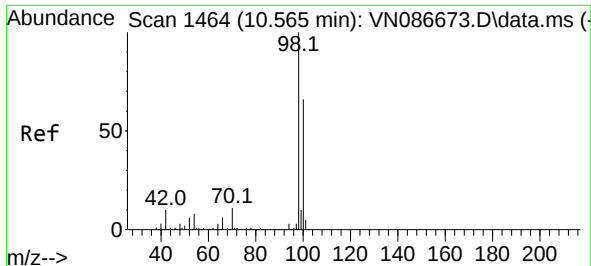
Ion Ratio Lower Upper

88 100

43 1299836.1 23.6 35.4#

58 5924.6 55.3 82.9#

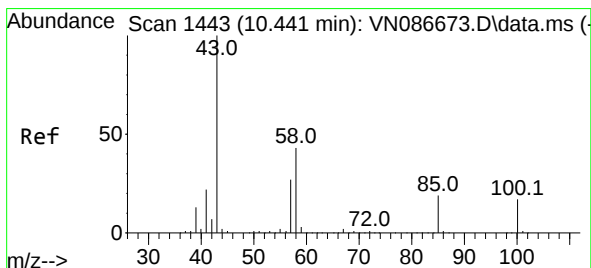
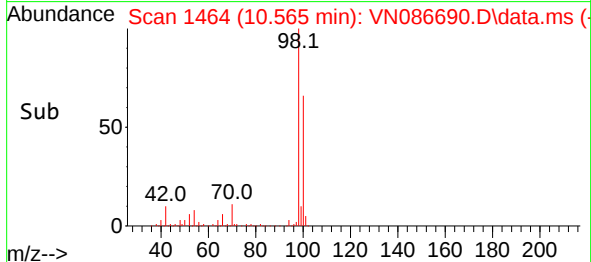
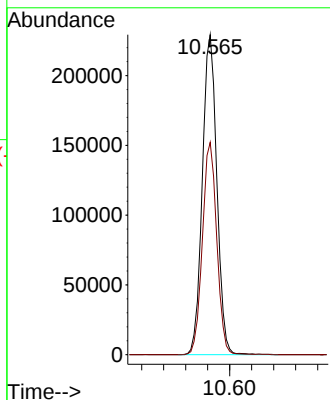
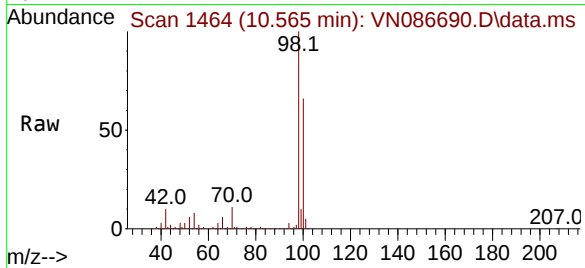




#50
Toluene-d8
Concen: 51.895 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

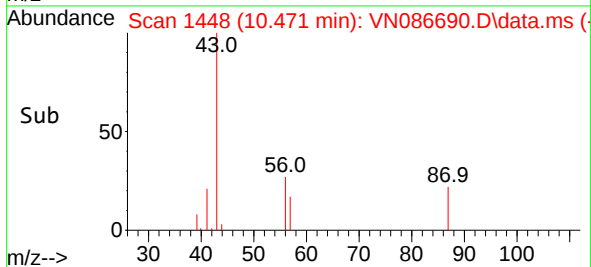
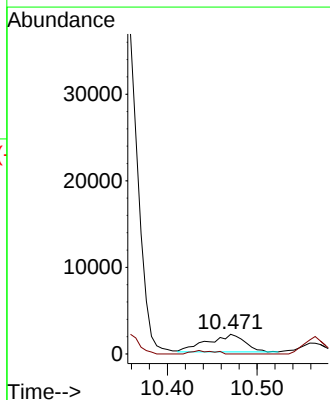
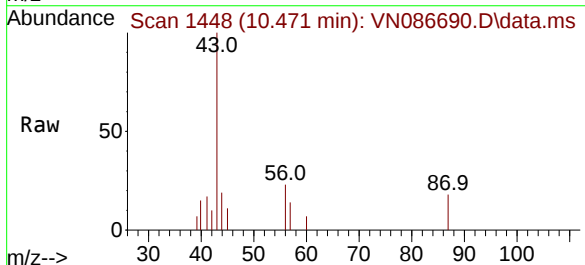
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#07

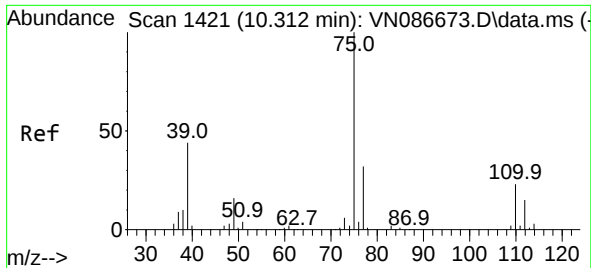
Tgt Ion: 98 Resp: 419554
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.993 ug/l
RT: 10.471 min Scan# 1448
Delta R.T. 0.029 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion: 43 Resp: 5856
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#

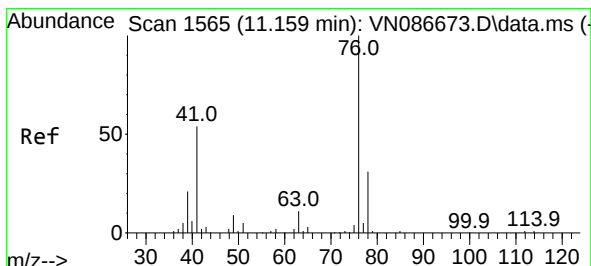
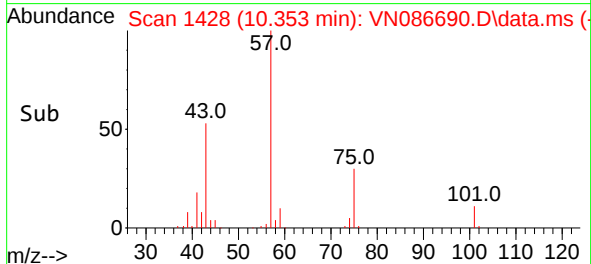
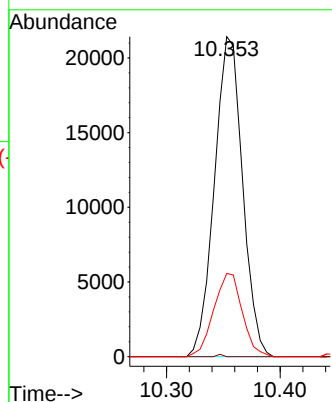
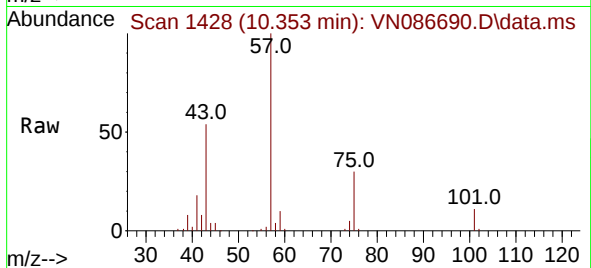




#54
 cis-1,3-Dichloropropene
 Concen: 10.277 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086690.D
 Acq: 19 May 2025 15:27

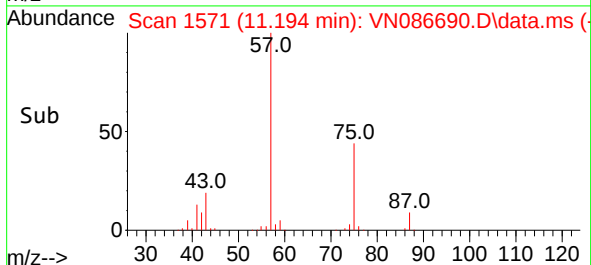
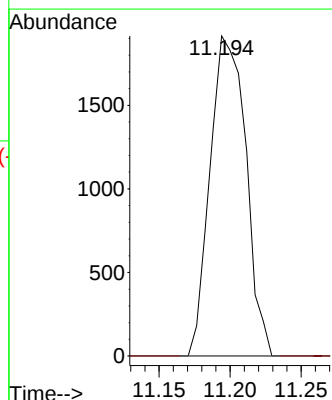
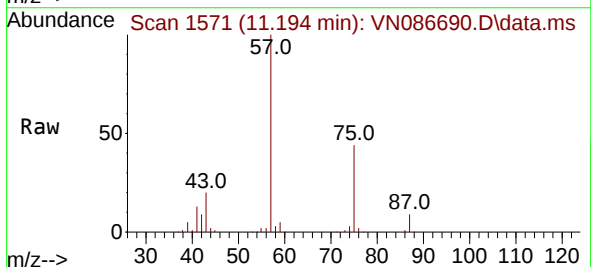
Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#07

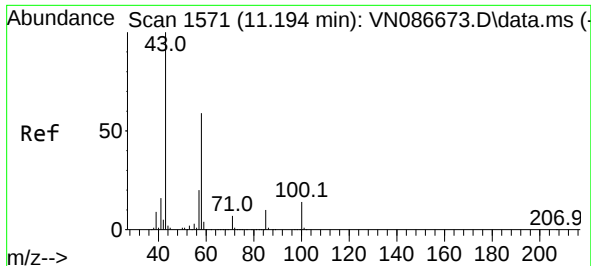
Tgt Ion: 75 Resp: 36825
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 26.0 35.2 52.8#



#57
 1,3-Dichloropropane
 Concen: 0.897 ug/l
 RT: 11.194 min Scan# 1571
 Delta R.T. 0.035 min
 Lab File: VN086690.D
 Acq: 19 May 2025 15:27

Tgt Ion: 76 Resp: 3363
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

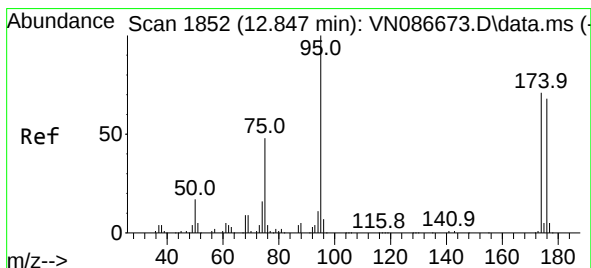
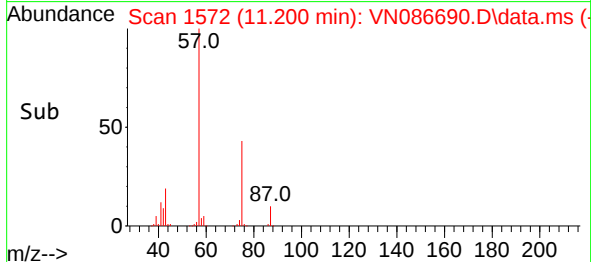
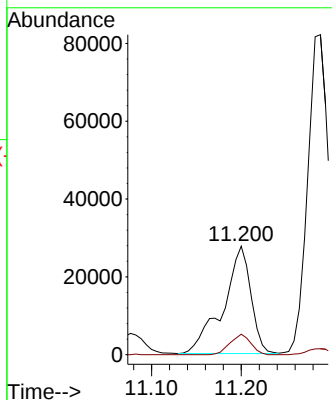
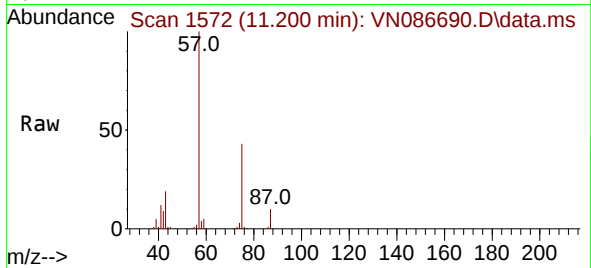




#59
2-Hexanone
Concen: 27.648 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

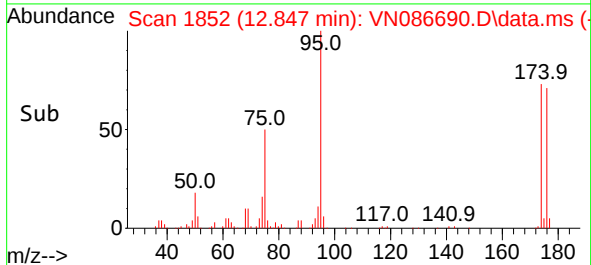
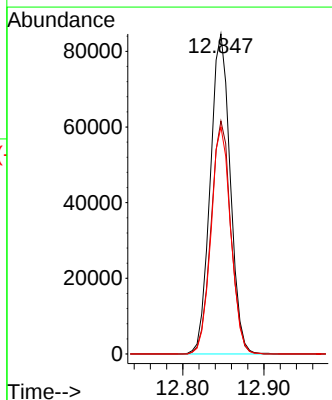
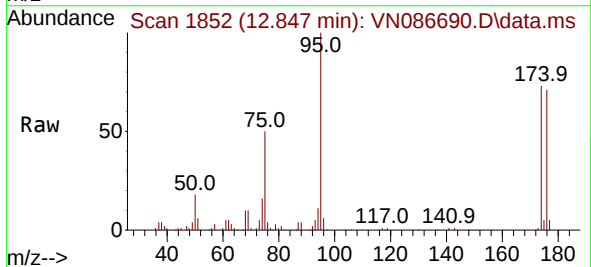
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#07

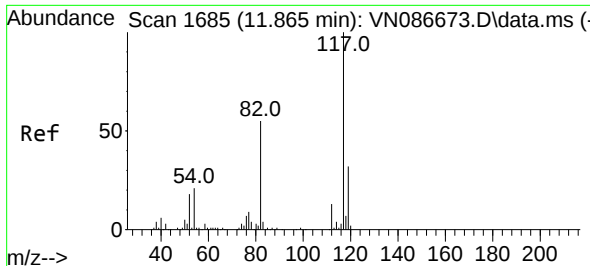
Tgt Ion: 43 Resp: 59332
Ion Ratio Lower Upper
43 100
58 14.2 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 50.566 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

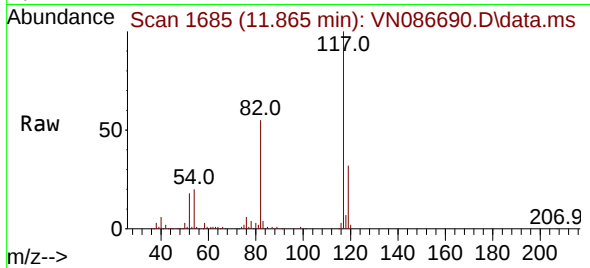
Tgt Ion: 95 Resp: 144349
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.4
176 70.1 0.0 137.8



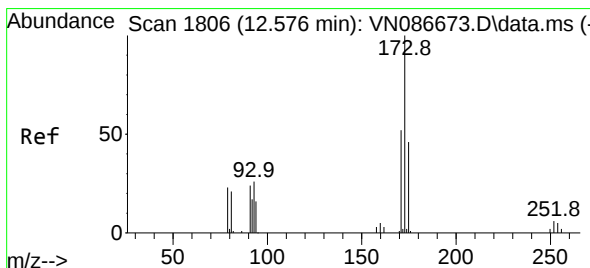
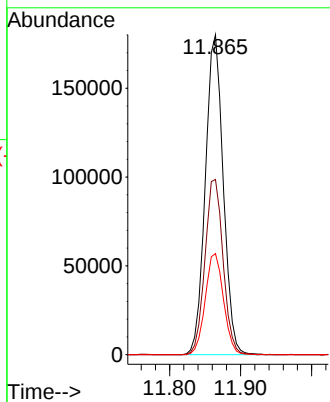
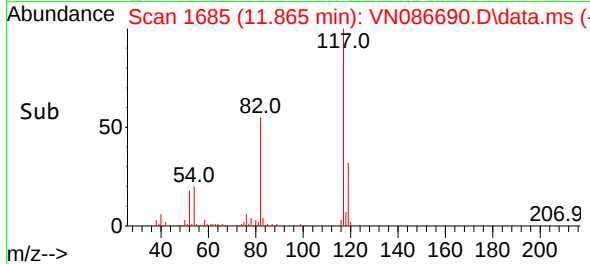


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#07

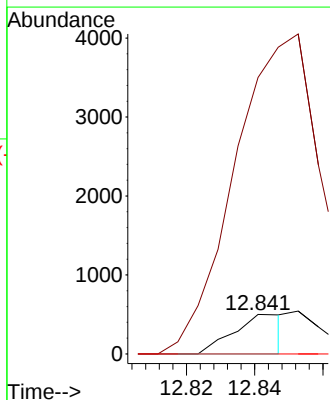
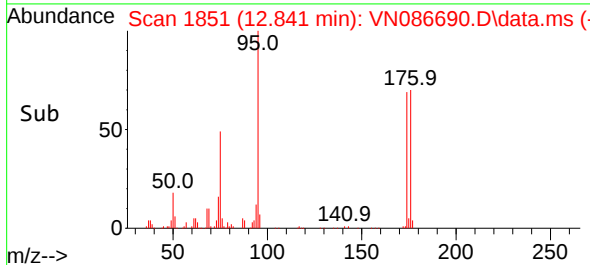
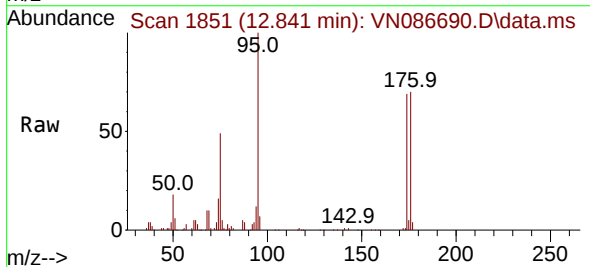


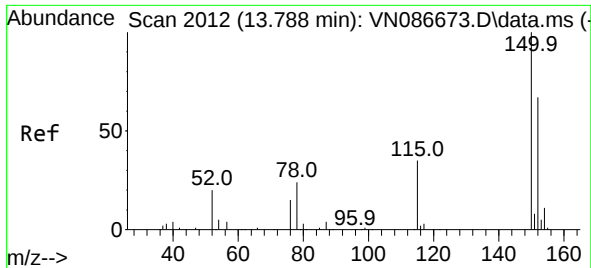
Tgt Ion:117 Resp: 316058
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.6 25.4 38.2



#71
Bromoform
Concen: 0.326 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion:173 Resp: 518
Ion Ratio Lower Upper
173 100
175 0.0 23.4 70.2#
254 0.0 0.0 0.0

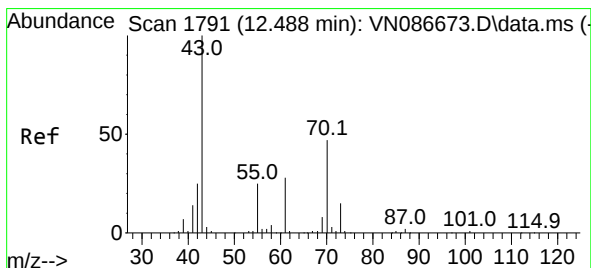
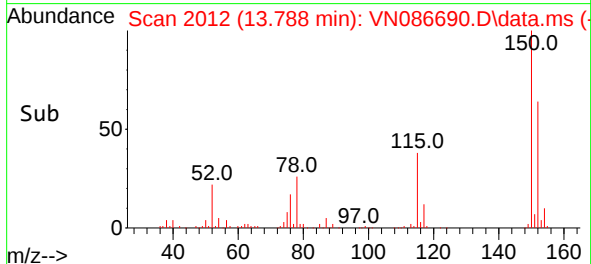
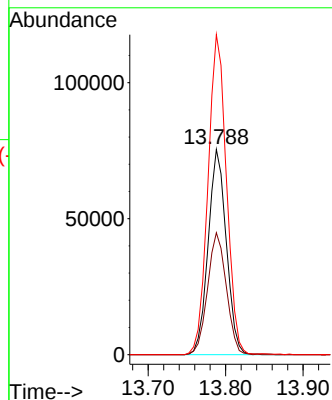
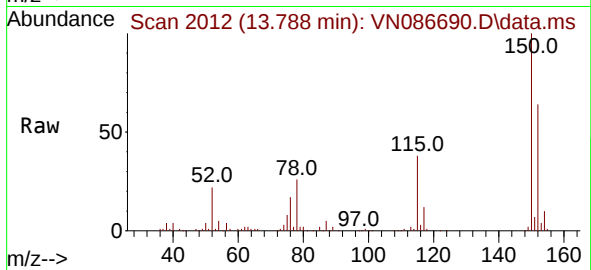




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

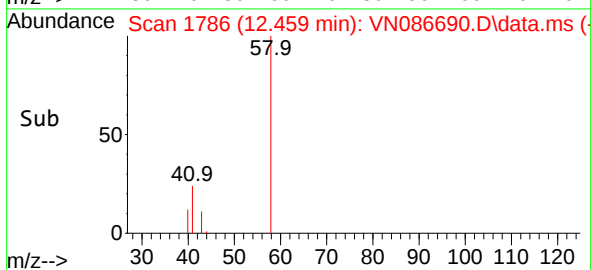
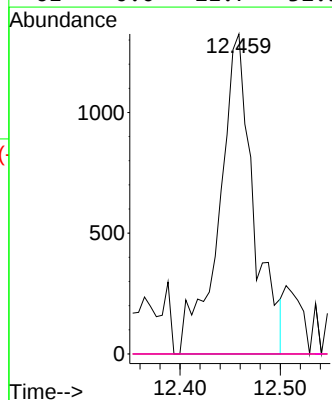
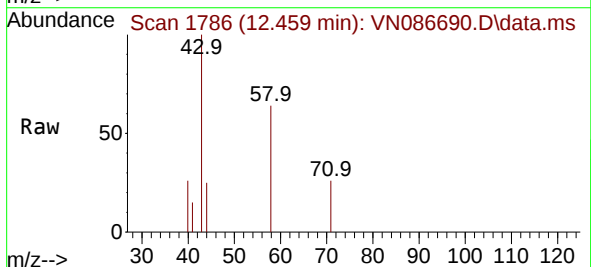
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#07

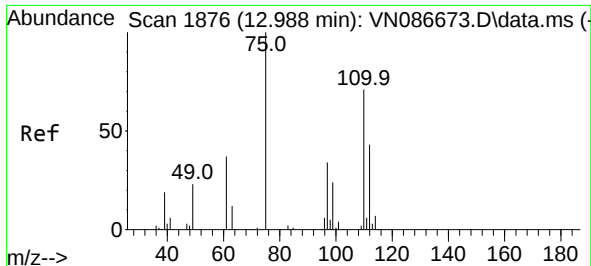
Tgt Ion:152 Resp: 122667
Ion Ratio Lower Upper
152 100
115 61.3 30.0 90.1
150 158.3 0.0 347.8



#74
N-ethyl acetate
Concen: 0.795 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.030 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion: 43 Resp: 3147
Ion Ratio Lower Upper
43 100
70 0.0 37.9 56.9#
55 0.0 20.5 30.7#
61 0.0 21.7 32.5#

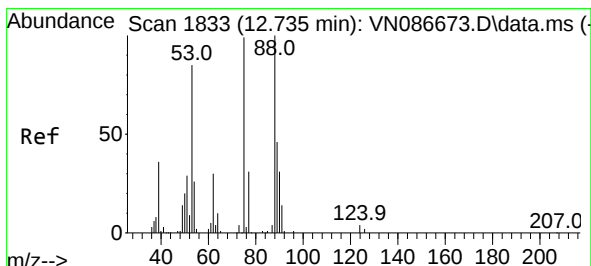
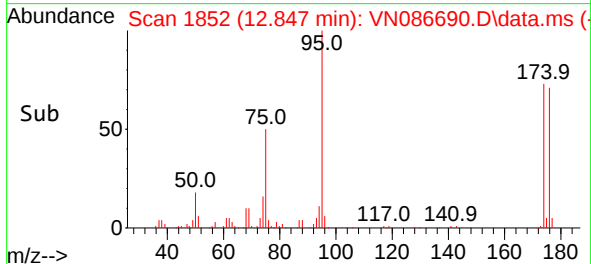
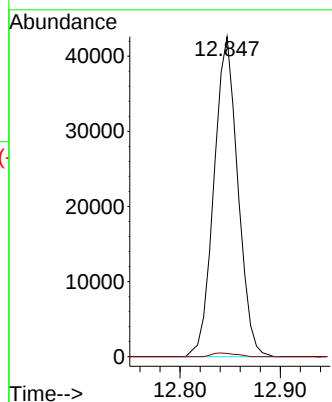
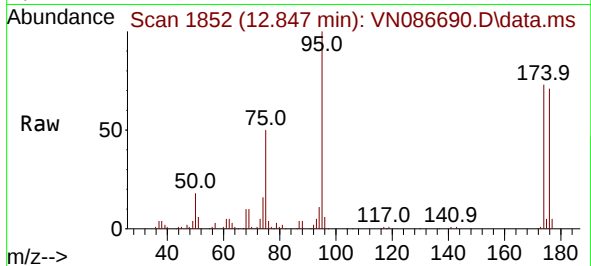




#76
1,2,3-Trichloropropane
Concen: 25.417 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#07

Tgt Ion: 75 Resp: 70512
Ion Ratio Lower Upper
75 100
77 1.2 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.143 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086690.D
Acq: 19 May 2025 15:27

Tgt Ion: 75 Resp: 70512
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#

