

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086691.D
 Acq On : 19 May 2025 15:52
 Operator : JC\MD
 Sample : PB168034ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#08

Quant Time: May 20 03:20:29 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)

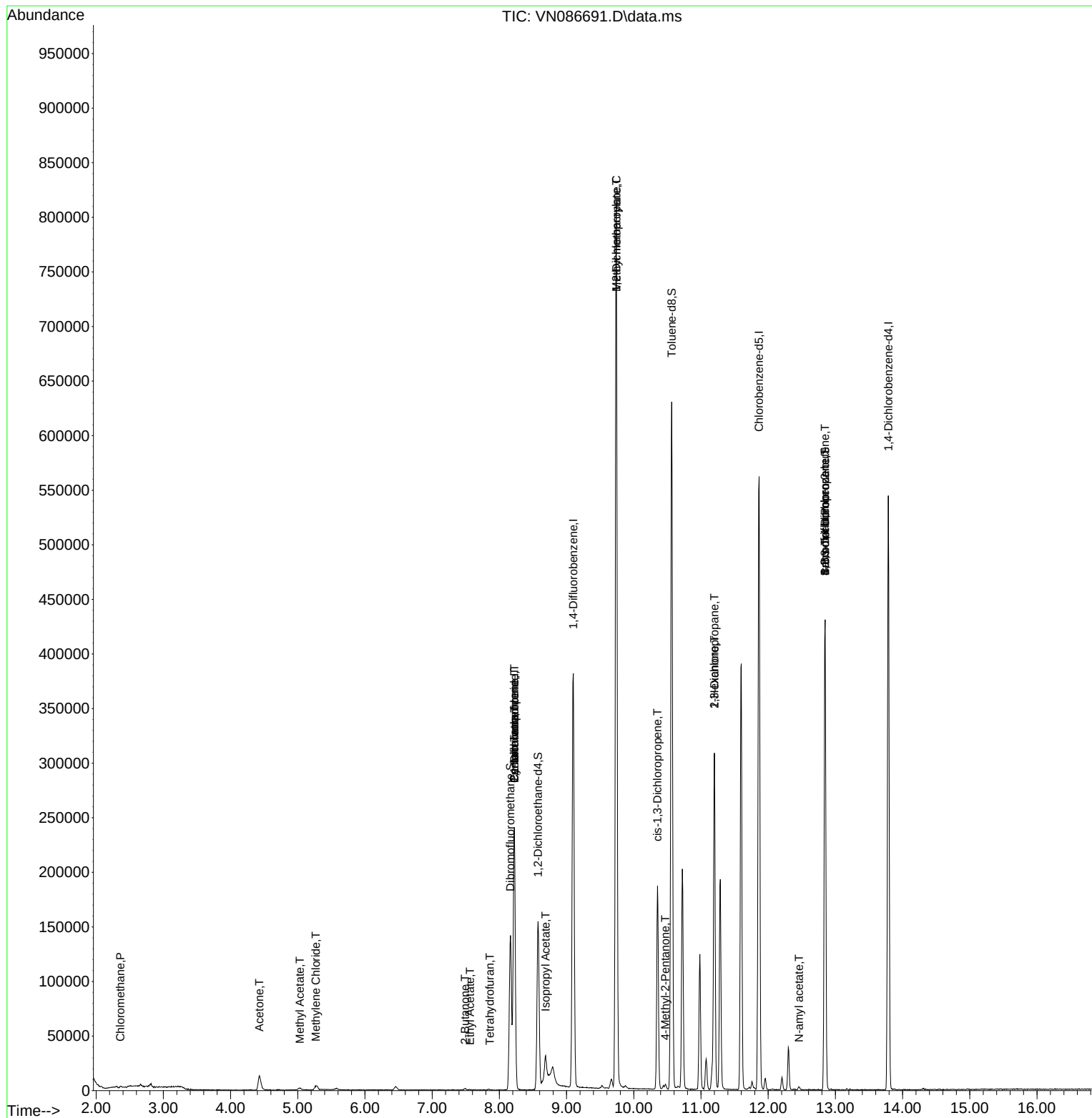
Internal Standards						
1) Pentafluorobenzene	8.224	168	177510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	345394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129373	52.744	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.480%			
35) Dibromofluoromethane	8.165	113	106839	51.527	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.060%			
50) Toluene-d8	10.565	98	451617	52.559	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.120%			
62) 4-Bromofluorobenzene	12.847	95	164527	54.228	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.460%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	887	0.306	ug/l	96
16) Acetone	4.430	43	25332	27.609	ug/l	91
18) Methyl Acetate	5.030	43	4104	1.598	ug/l #	64
20) Methylene Chloride	5.271	84	3444	1.422	ug/l #	88
25) 2-Butanone	7.488	43	2759	1.946	ug/l #	77
29) Tetrahydrofuran	7.859	42	645	0.697	ug/l #	37
31) Cyclohexane	8.224	56	3889	1.056	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14992	4.902	ug/l #	43
37) Ethyl Acetate	7.565	43	663	0.215	ug/l #	67
38) Carbon Tetrachloride	8.224	117	18403	6.107	ug/l #	16
43) Isopropyl Acetate	8.688	43	47940	7.740	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1050	0.443	ug/l #	42
48) Methyl methacrylate	9.741	41	71315	29.715	ug/l #	37
51) 4-Methyl-2-Pentanone	10.471	43	4015	1.285	ug/l #	33
54) cis-1,3-Dichloropropene	10.353	75	35927	9.433	ug/l #	58
57) 1,3-Dichloropropane	11.200	76	3323	0.834	ug/l #	42
59) 2-Hexanone	11.200	43	57237	25.095	ug/l #	42
71) Bromoform	12.847	173	798	0.459	ug/l #	1
74) N-amyl acetate	12.459	43	2667	0.548	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	81904	24.030	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81904	60.644	ug/l #	15

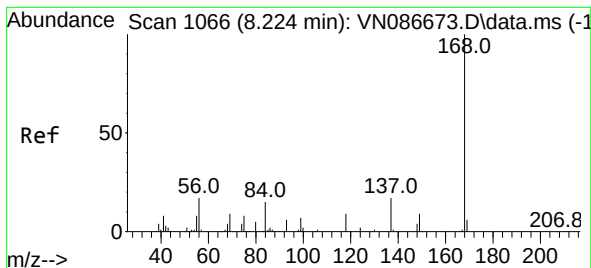
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 17 00:46:13 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

Instrument :

MSVOA_N

ClientSampleId :

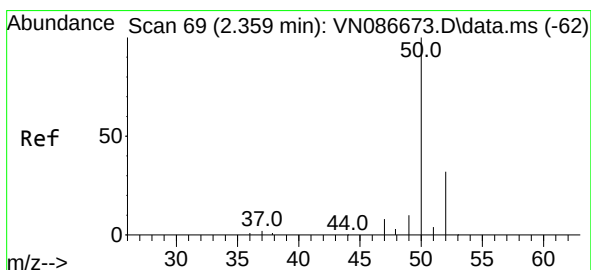
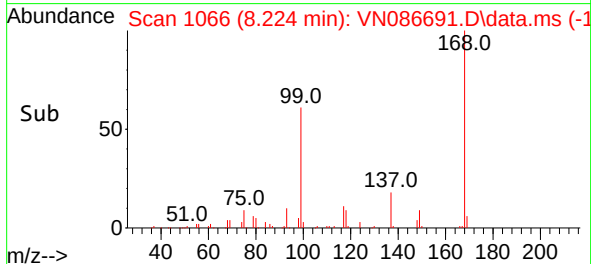
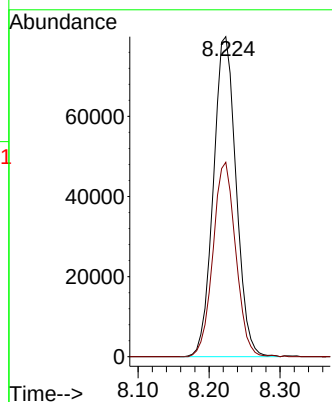
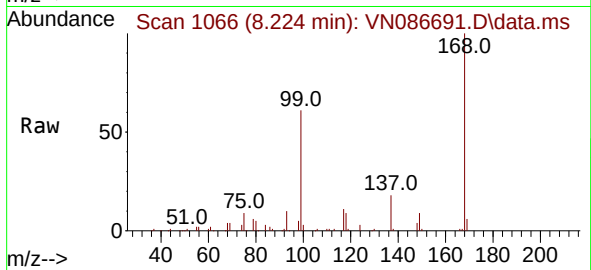
PB168034ZHE#08

Tgt Ion:168 Resp: 177510

Ion Ratio Lower Upper

168 100

99 60.7 47.0 70.4



#3

Chloromethane

Concen: 0.306 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN086691.D

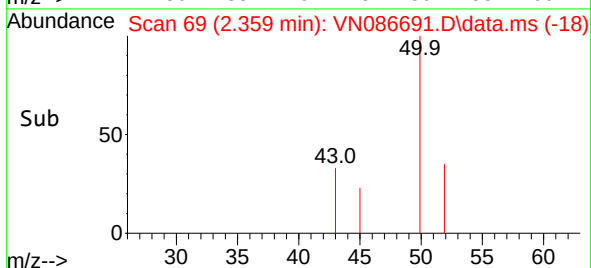
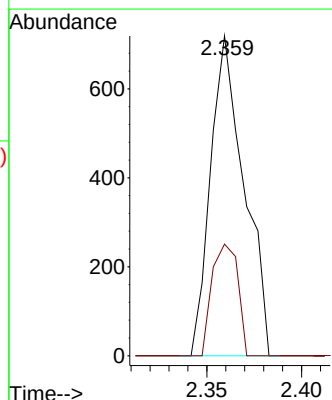
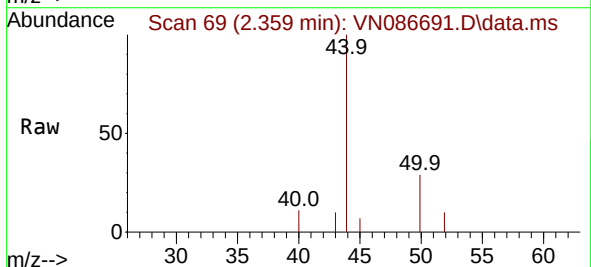
Acq: 19 May 2025 15:52

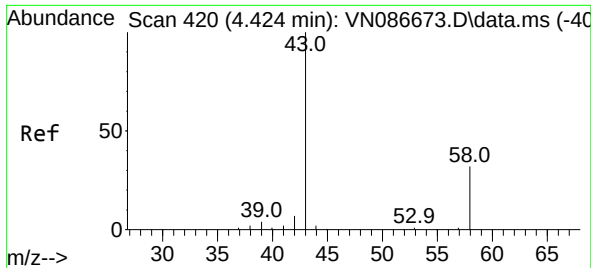
Tgt Ion: 50 Resp: 887

Ion Ratio Lower Upper

50 100

52 34.9 25.9 38.9

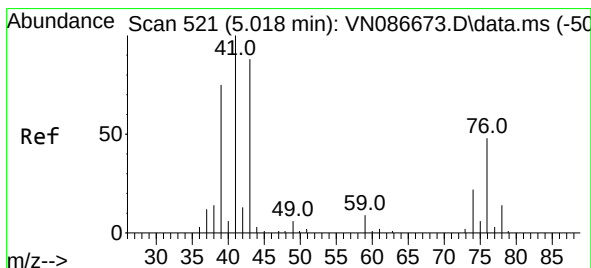
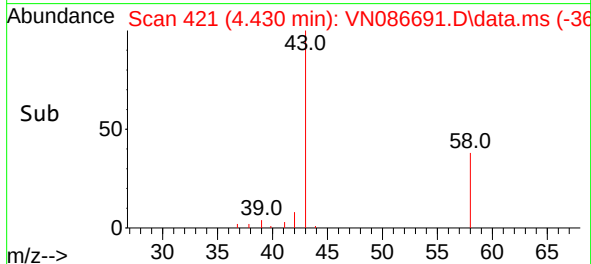
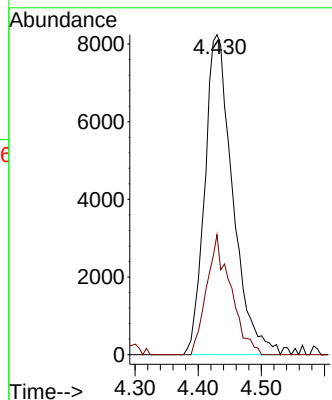
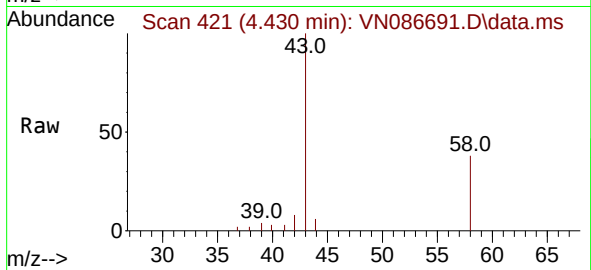




#16
Acetone
Concen: 27.609 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

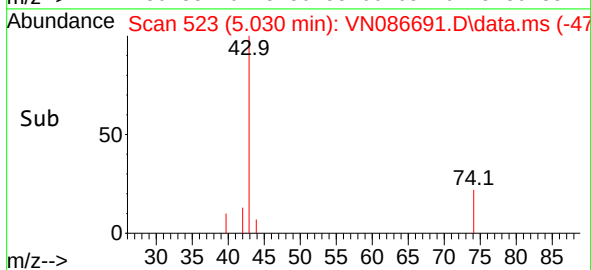
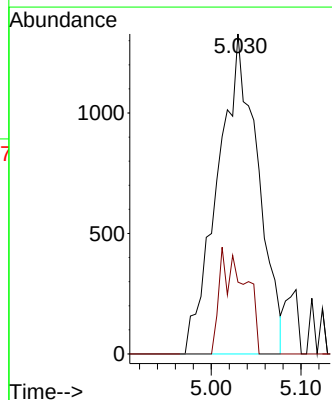
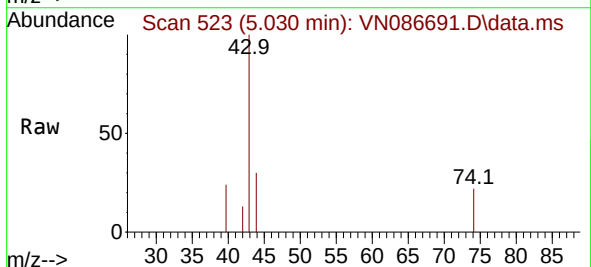
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#08

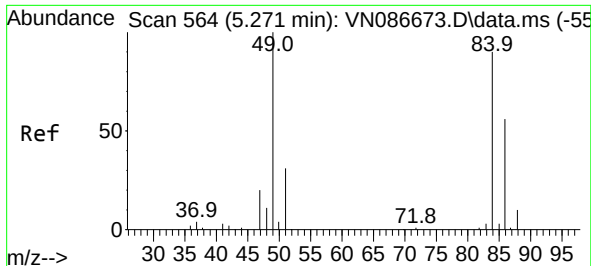
Tgt Ion: 43 Resp: 25332
Ion Ratio Lower Upper
43 100
58 37.5 25.8 38.6



#18
Methyl Acetate
Concen: 1.598 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

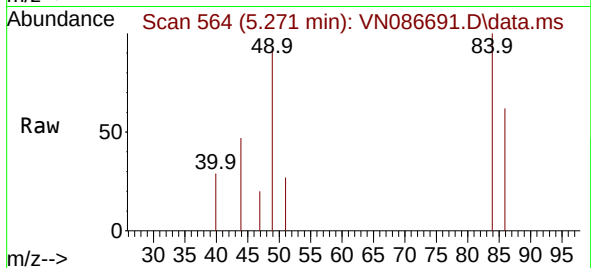
Tgt Ion: 43 Resp: 4104
Ion Ratio Lower Upper
43 100
74 7.3 20.5 30.7#



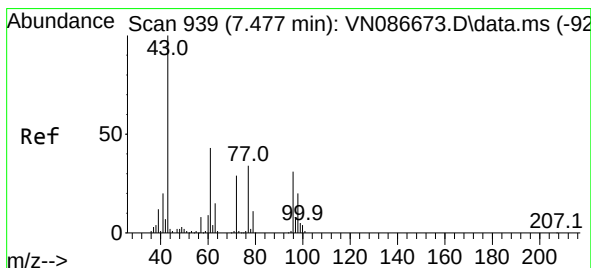
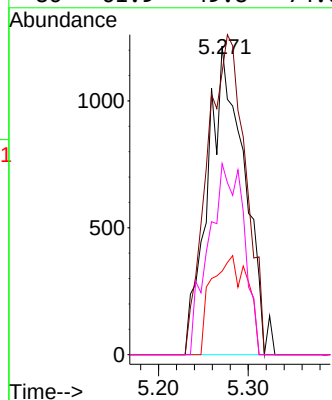


#20
Methylene Chloride
Concen: 1.422 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#08

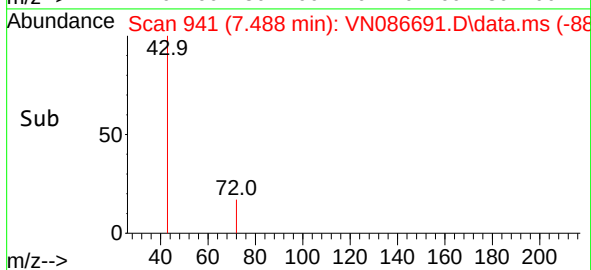
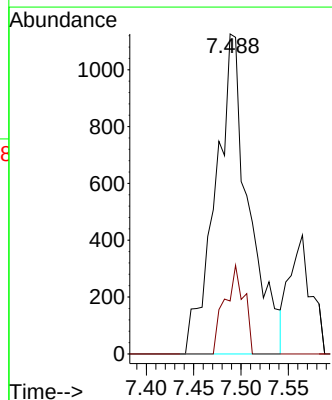
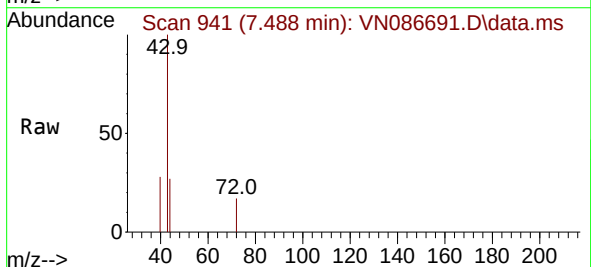


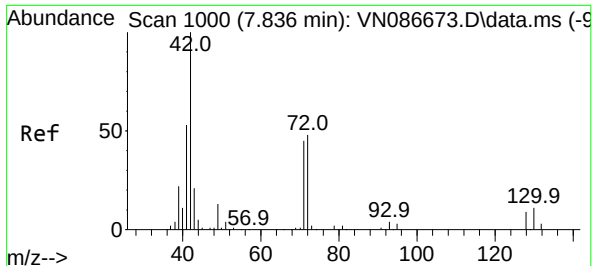
Tgt Ion:	84	Resp:	3444
Ion	Ratio	Lower	Upper
84	100		
49	91.5	88.8	133.2
51	27.1	27.8	41.6#
86	61.9	49.8	74.6



#25
2-Butanone
Concen: 1.946 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

Tgt Ion:	43	Resp:	2759
Ion	Ratio	Lower	Upper
43	100		
72	16.5	23.1	34.7#





#29

Tetrahydrofuran

Concen: 0.697 ug/l

RT: 7.859 min Scan# 1066

Delta R.T. 0.023 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#08

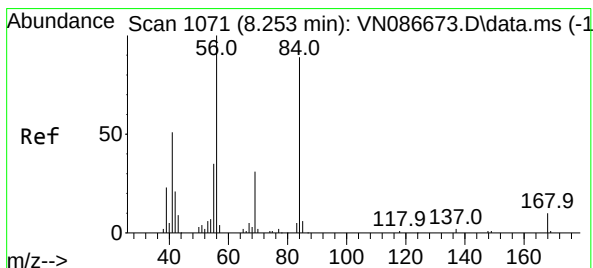
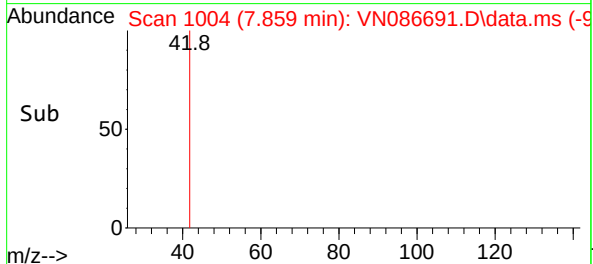
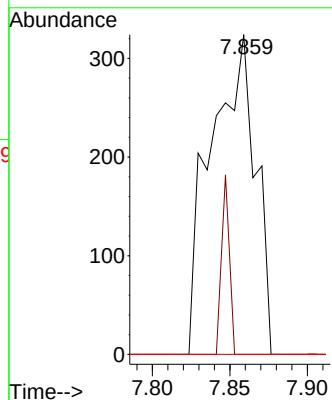
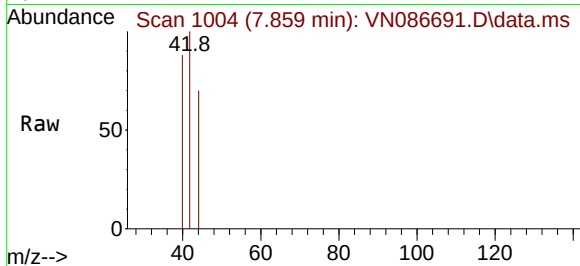
Tgt Ion: 42 Resp: 645

Ion Ratio Lower Upper

42 100

72 9.9 38.7 58.1#

71 0.0 36.2 54.4#



#31

Cyclohexane

Concen: 1.056 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

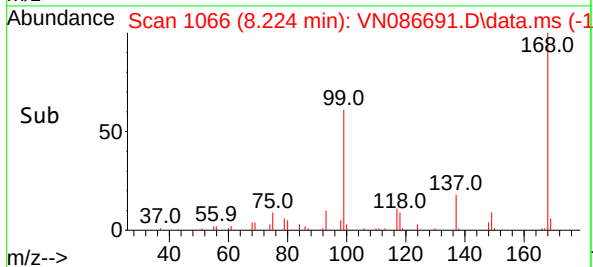
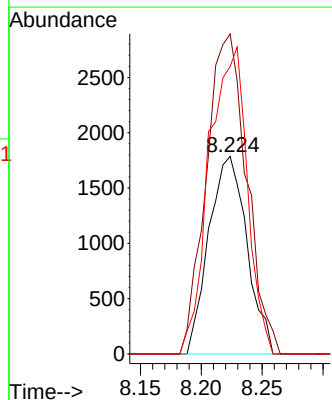
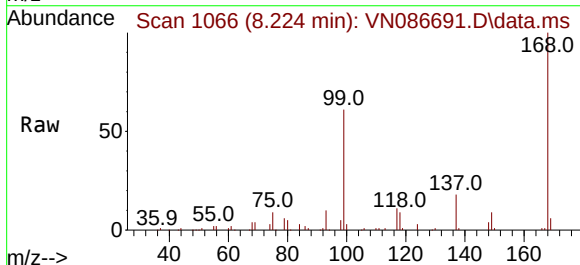
Tgt Ion: 56 Resp: 3889

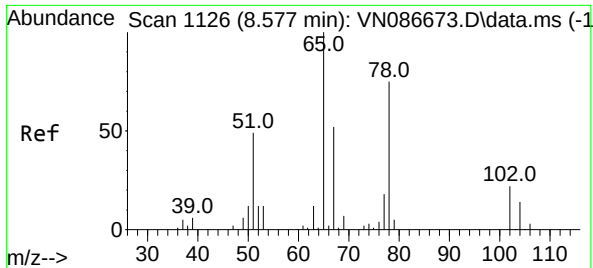
Ion Ratio Lower Upper

56 100

69 162.0 25.0 37.6#

84 145.5 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 52.744 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

Instrument :

MSVOA_N

ClientSampleId :

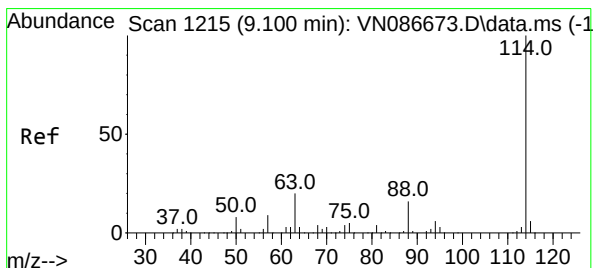
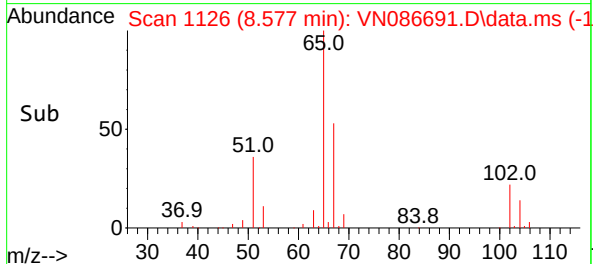
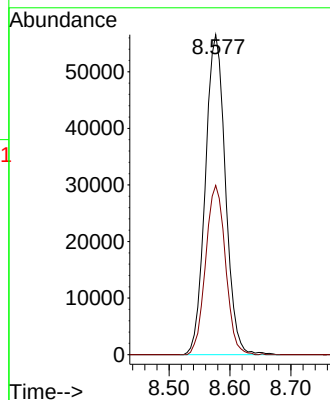
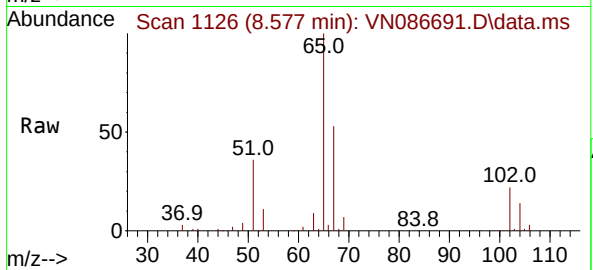
PB168034ZHE#08

Tgt Ion: 65 Resp: 129373

Ion Ratio Lower Upper

65 100

67 52.2 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: VN086691.D

Acq: 19 May 2025 15:52

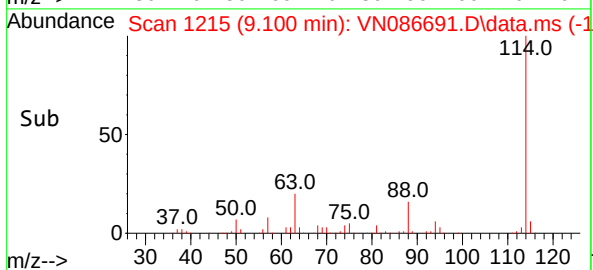
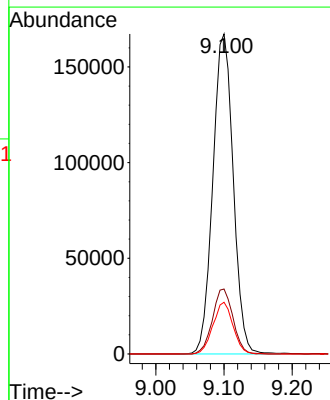
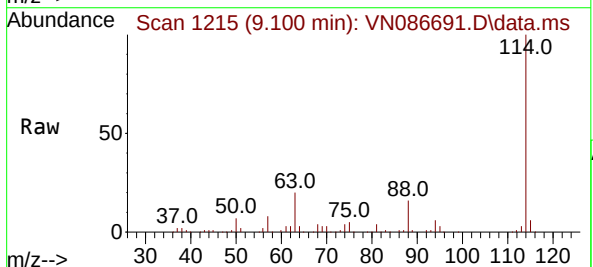
Tgt Ion: 114 Resp: 348164

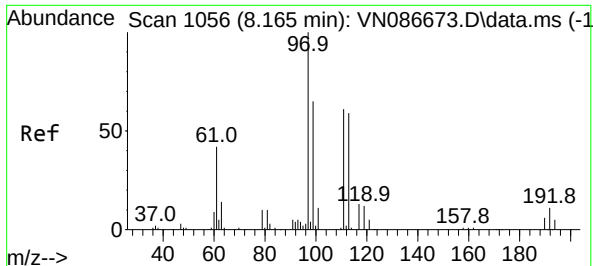
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 16.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.527 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#08

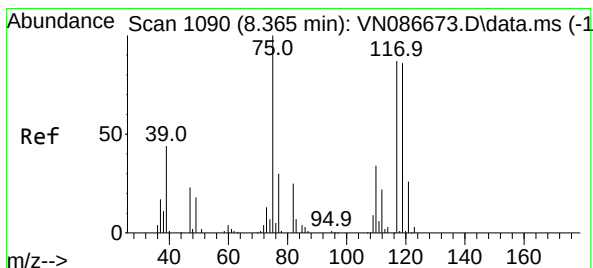
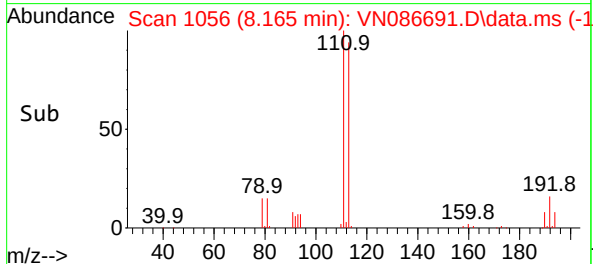
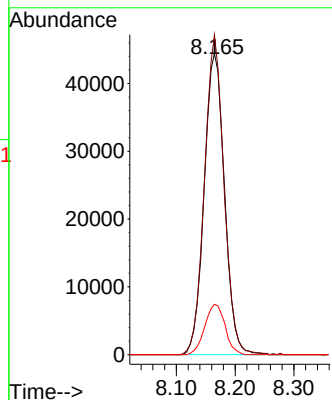
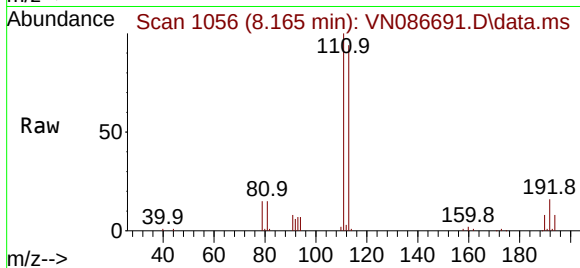
Tgt Ion:113 Resp: 106839

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

192 16.7 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.902 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

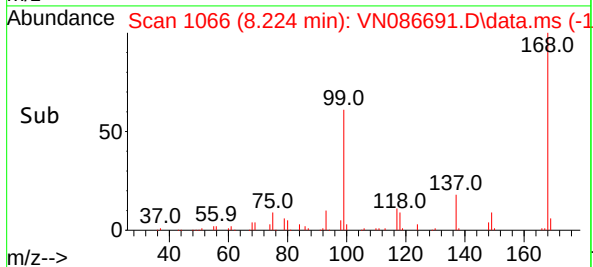
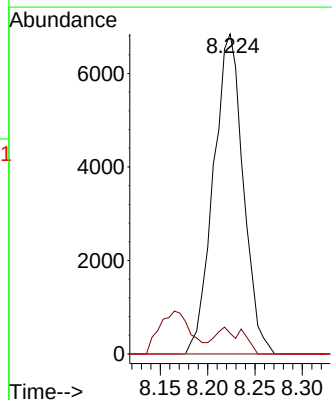
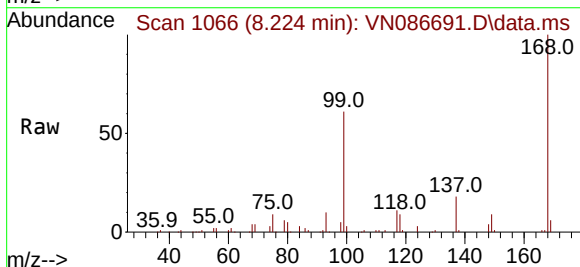
Tgt Ion: 75 Resp: 14992

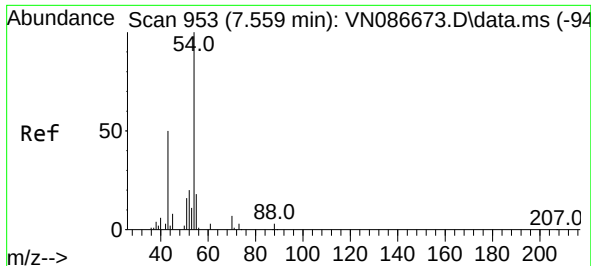
Ion Ratio Lower Upper

75 100

110 2.3 17.5 52.5#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.215 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086691.D

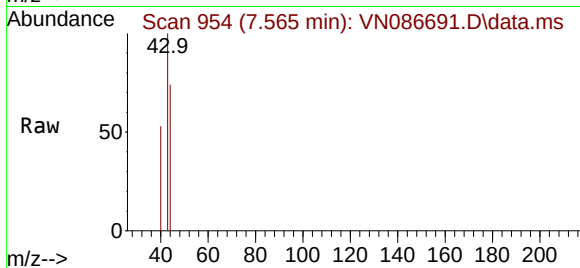
Acq: 19 May 2025 15:52

Instrument :

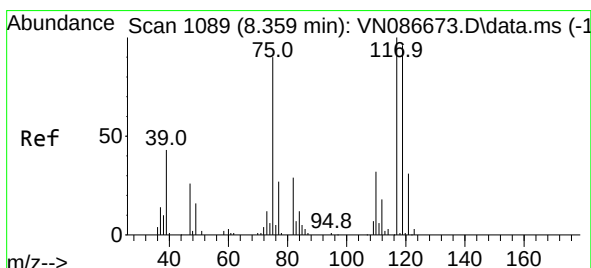
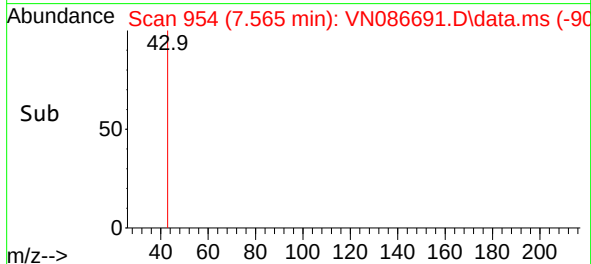
MSVOA_N

ClientSampleId :

PB168034ZHE#08



Tgt Ion:	43	Resp:	663
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	9.4	14.0#



#38

Carbon Tetrachloride

Concen: 6.107 ug/l

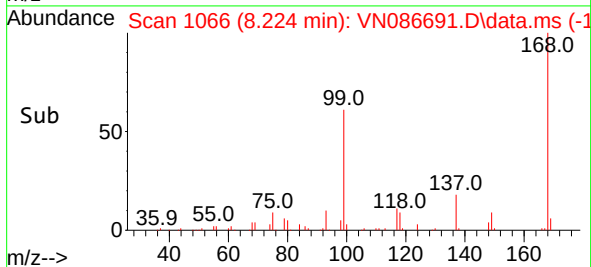
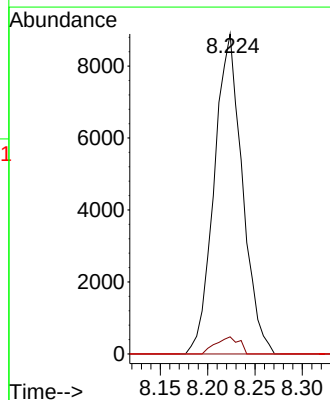
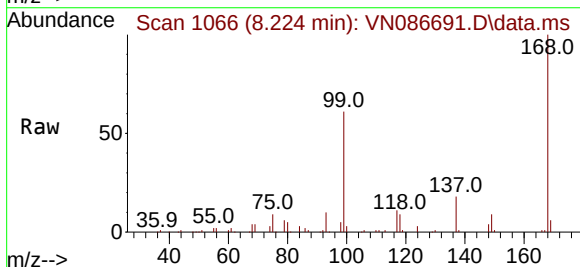
RT: 8.224 min Scan# 1066

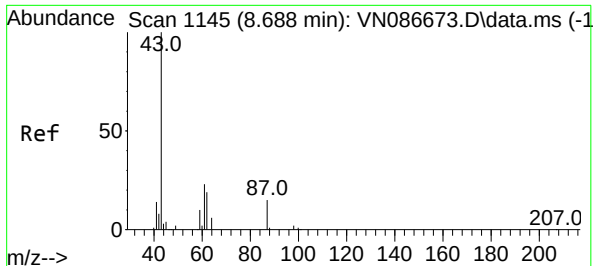
Delta R.T. -0.135 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

Tgt Ion:	117	Resp:	18403
Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.0	115.6#
121	0.0	25.0	37.6#





#43

Isopropyl Acetate

Concen: 7.740 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#08

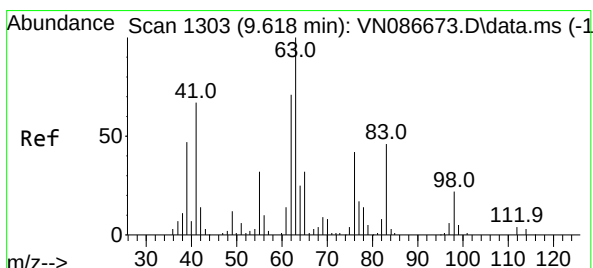
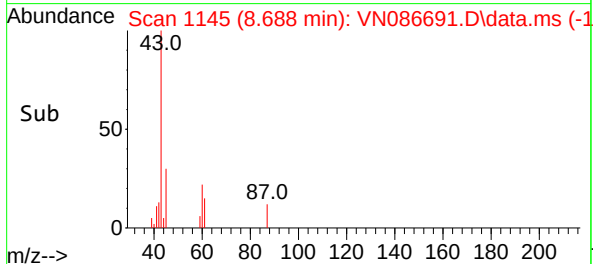
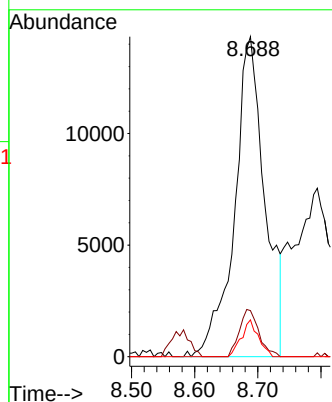
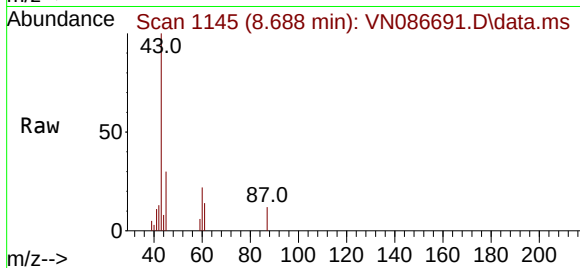
Tgt Ion: 43 Resp: 47940

Ion Ratio Lower Upper

43 100

61 9.5 21.4 32.2#

87 6.4 11.1 16.7#



#45

1,2-Dichloropropane

Concen: 0.443 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN086691.D

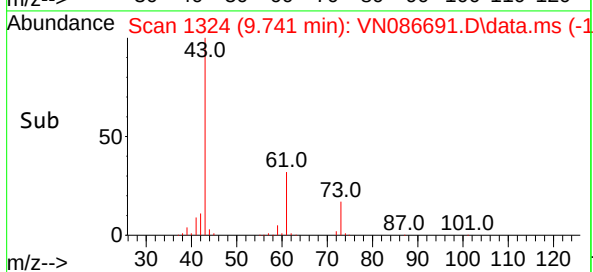
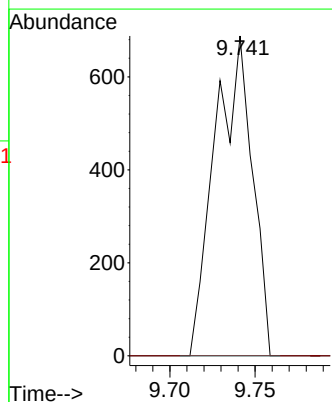
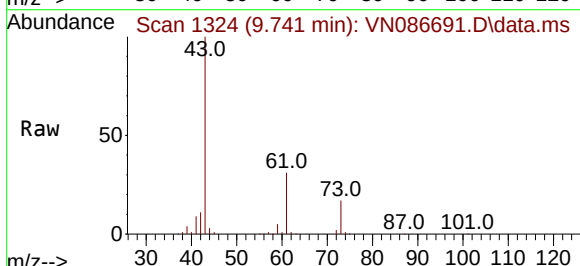
Acq: 19 May 2025 15:52

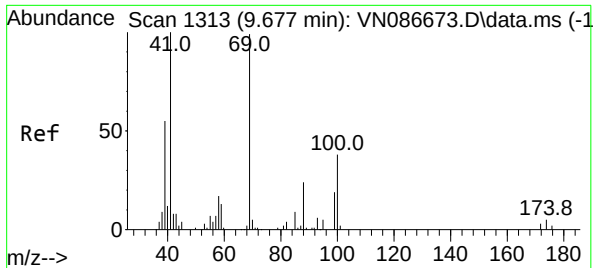
Tgt Ion: 63 Resp: 1050

Ion Ratio Lower Upper

63 100

65 0.0 25.8 38.6#

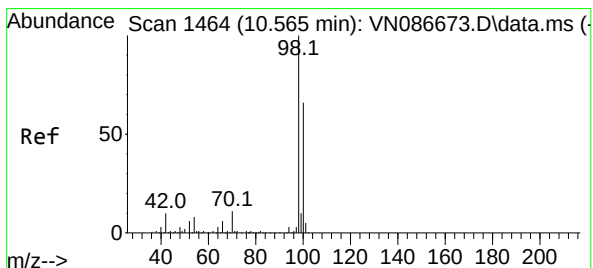
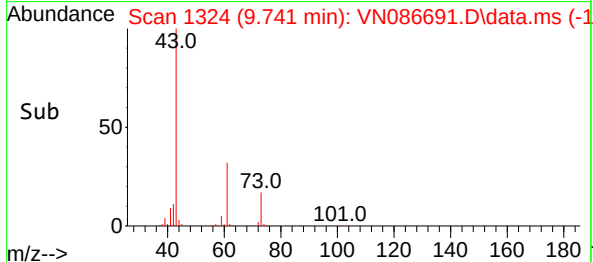
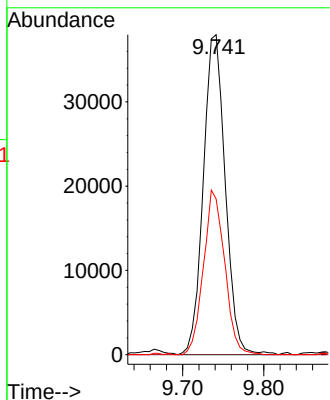
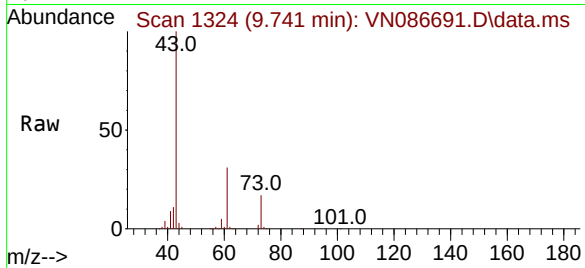




#48
Methyl methacrylate
Concen: 29.715 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

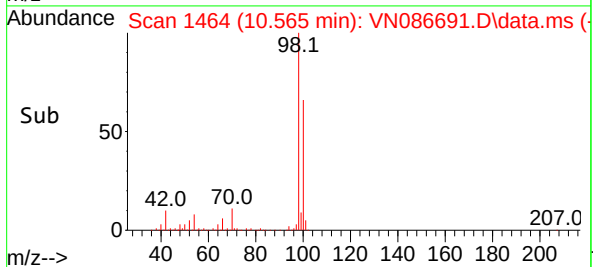
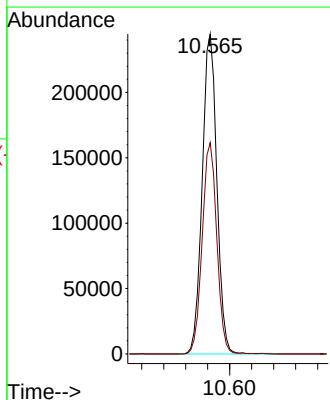
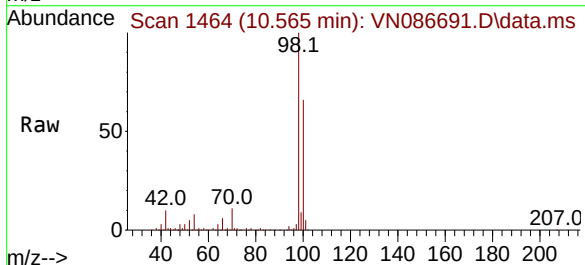
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#08

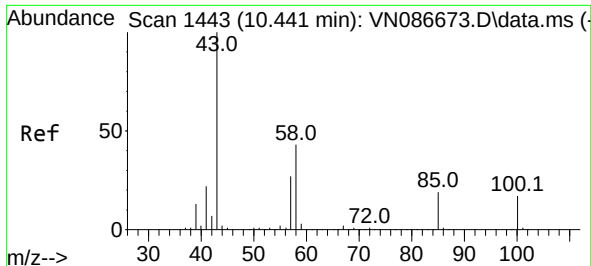
Tgt Ion: 41 Resp: 71315
Ion Ratio Lower Upper
41 100
69 0.0 74.1 111.1#
39 49.7 44.1 66.1



#50
Toluene-d8
Concen: 52.559 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

Tgt Ion: 98 Resp: 451617
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 1.285 ug/l

RT: 10.471 min Scan# 1448

Delta R.T. 0.029 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

Instrument :

MSVOA_N

ClientSampleId :

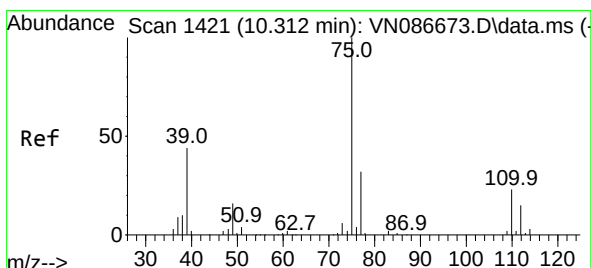
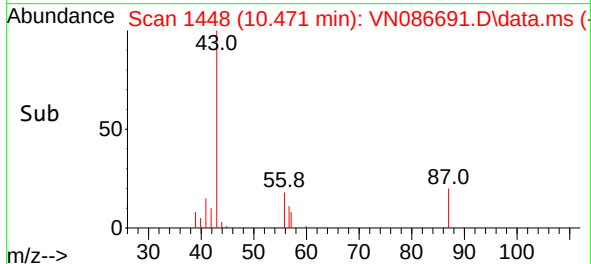
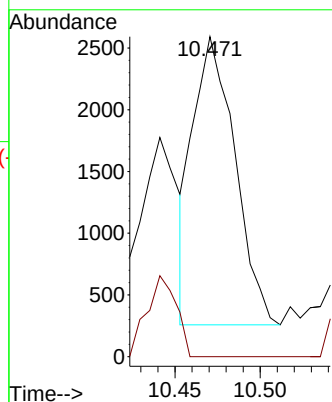
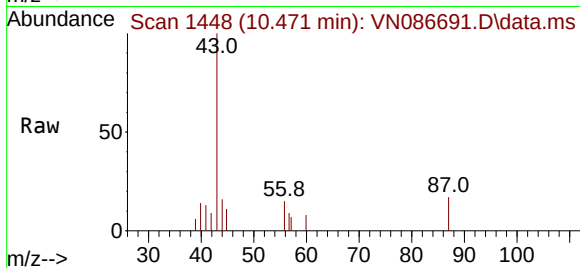
PB168034ZHE#08

Tgt Ion: 43 Resp: 4015

Ion Ratio Lower Upper

43 100

58 0.0 33.9 50.9#



#54

cis-1,3-Dichloropropene

Concen: 9.433 ug/l

RT: 10.353 min Scan# 1428

Delta R.T. 0.041 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

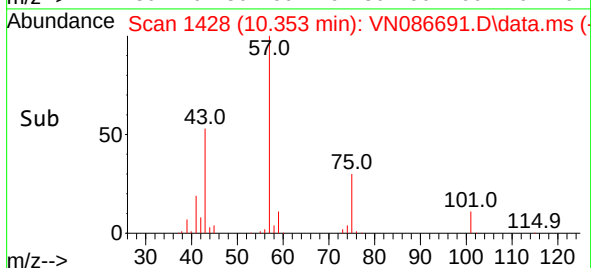
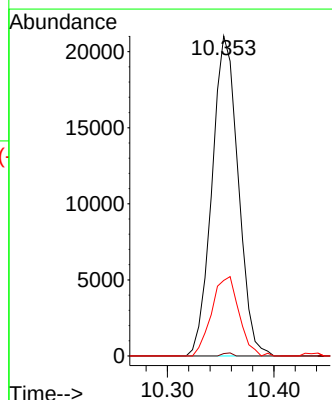
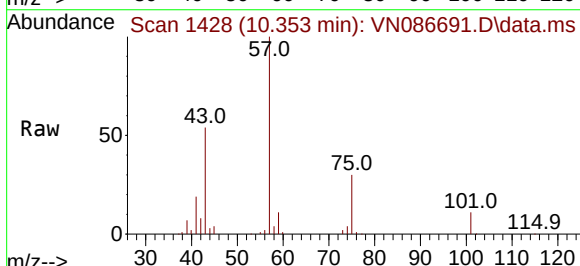
Tgt Ion: 75 Resp: 35927

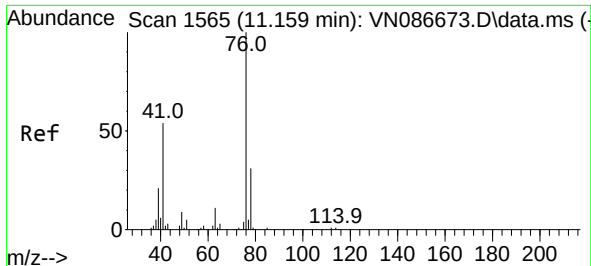
Ion Ratio Lower Upper

75 100

77 0.7 25.3 37.9#

39 23.6 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 0.834 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

Instrument :

MSVOA_N

ClientSampleId :

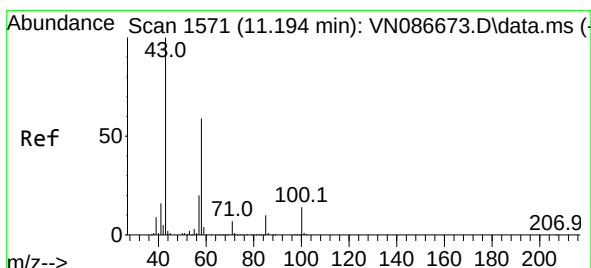
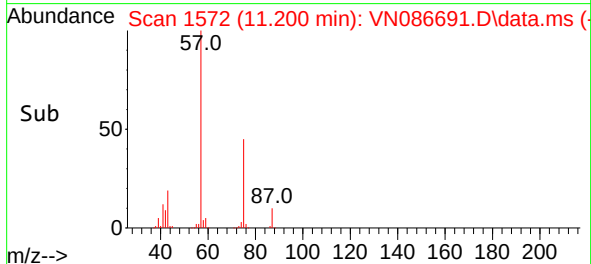
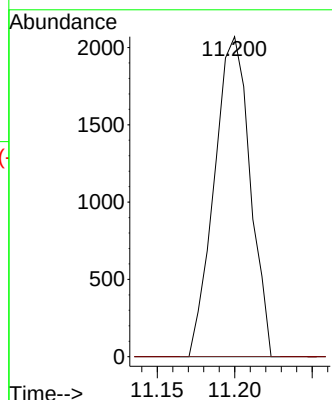
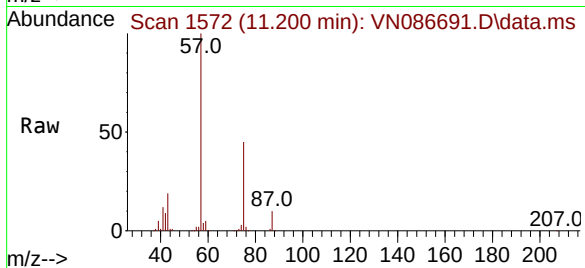
PB168034ZHE#08

Tgt Ion: 76 Resp: 3323

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 25.095 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086691.D

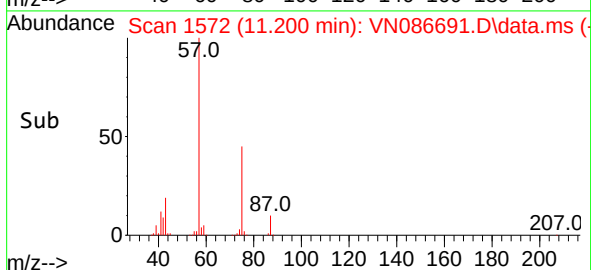
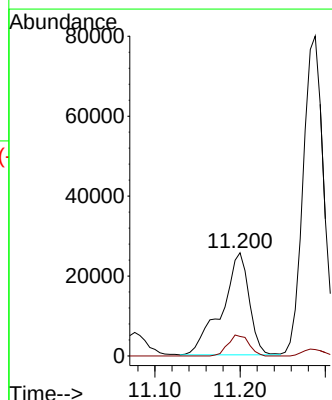
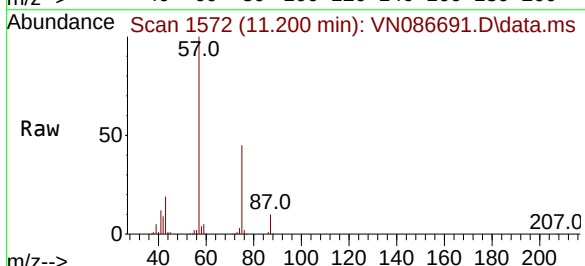
Acq: 19 May 2025 15:52

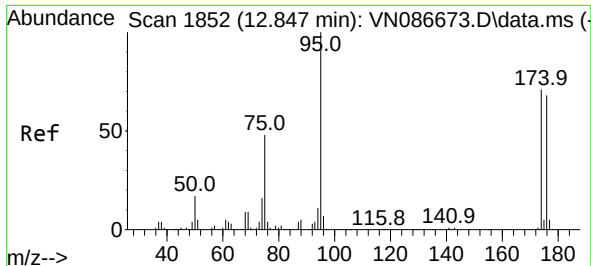
Tgt Ion: 43 Resp: 57237

Ion Ratio Lower Upper

43 100

58 15.7 29.8 89.5#

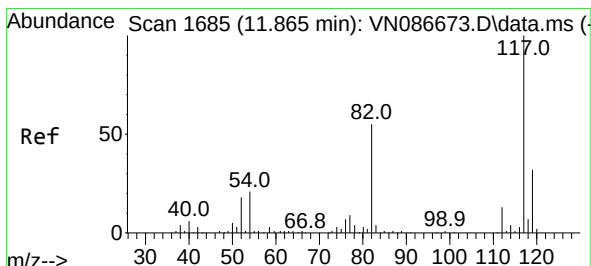
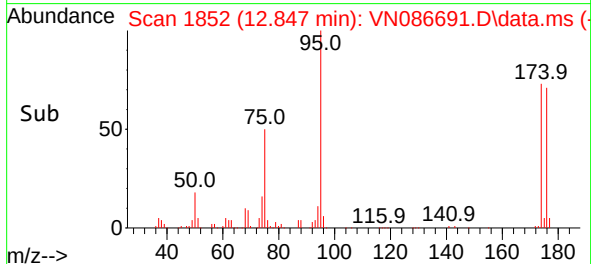
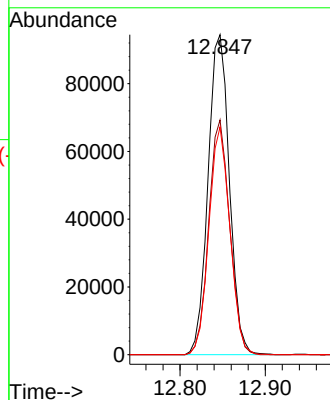
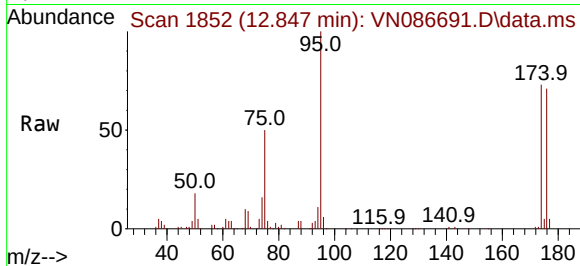




#62
4-Bromofluorobenzene
Concen: 54.228 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

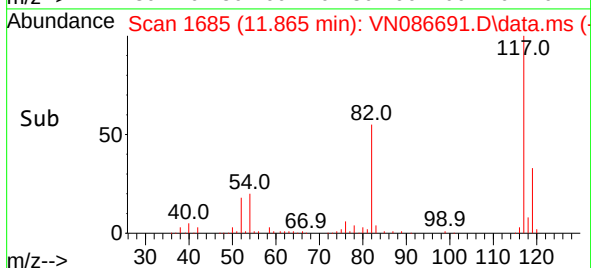
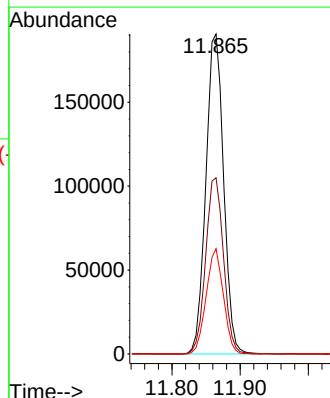
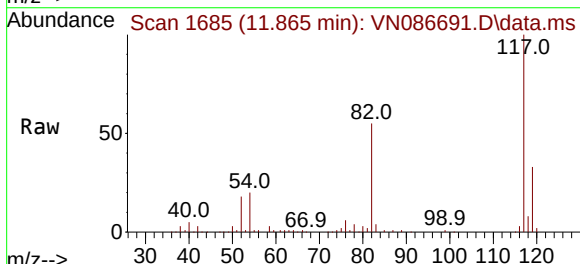
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#08

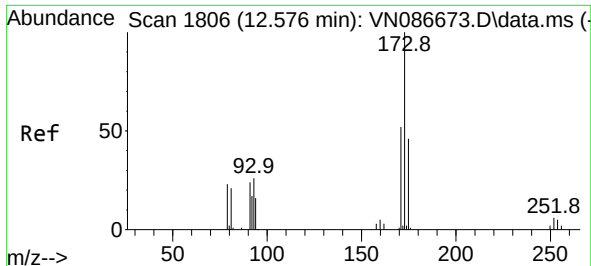
Tgt Ion: 95 Resp: 164527
Ion Ratio Lower Upper
95 100
174 72.4 0.0 145.4
176 69.8 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

Tgt Ion: 117 Resp: 345394
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.9 25.4 38.2

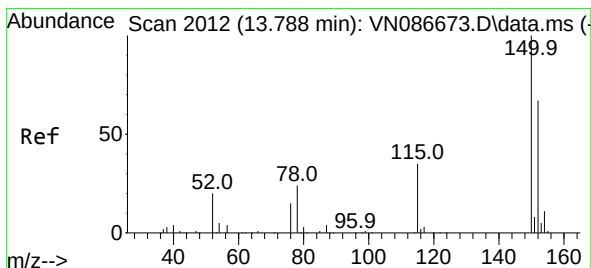
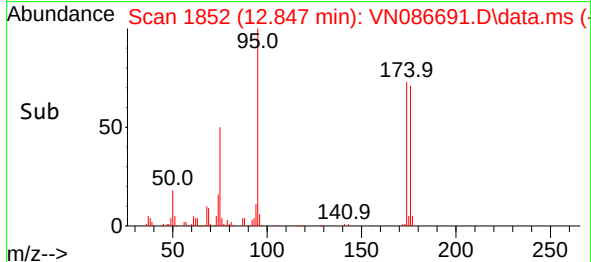
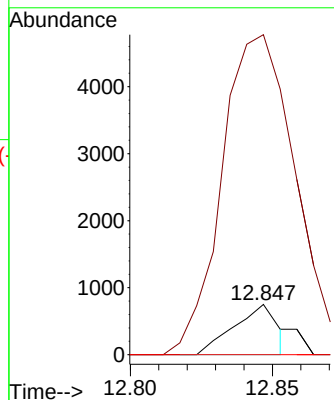
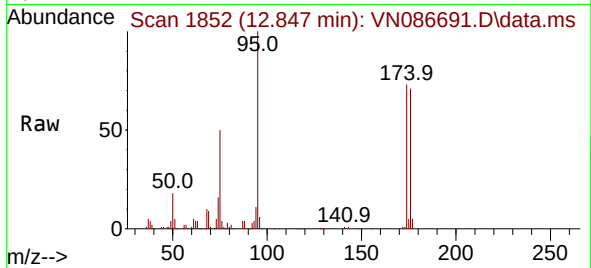




#71
Bromoform
Concen: 0.459 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

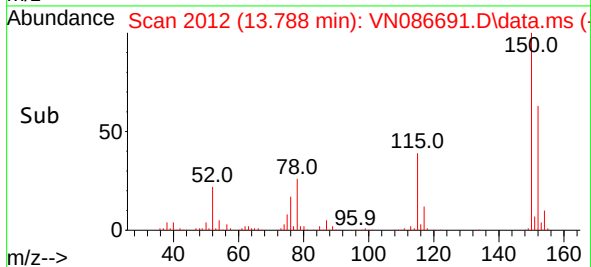
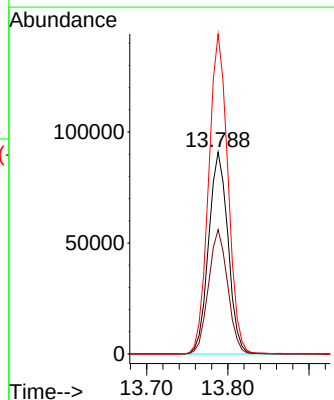
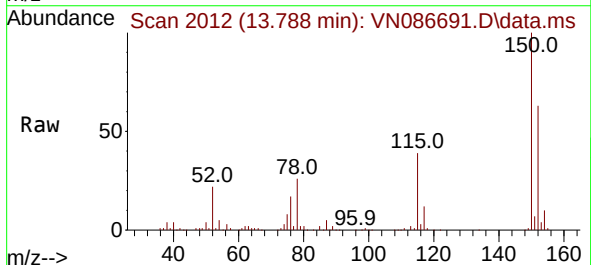
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#08

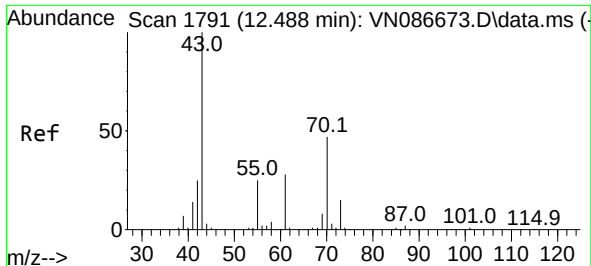
Tgt Ion:173 Resp: 798
Ion Ratio Lower Upper
173 100
175 870.7 23.4 70.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

Tgt Ion:152 Resp: 150707
Ion Ratio Lower Upper
152 100
115 61.0 30.0 90.1
150 157.9 0.0 347.8

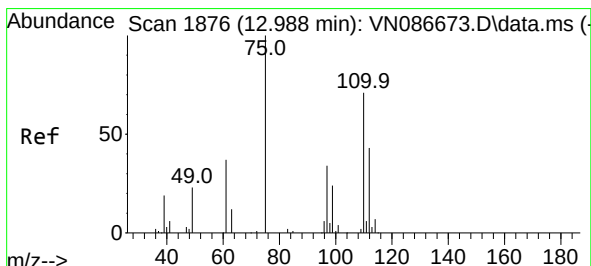
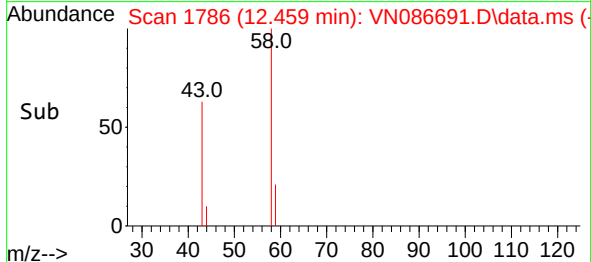
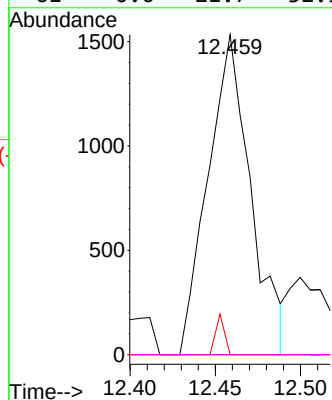
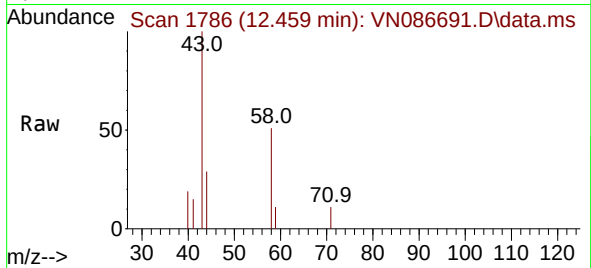




#74
N-amy1 acetate
Concen: 0.548 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

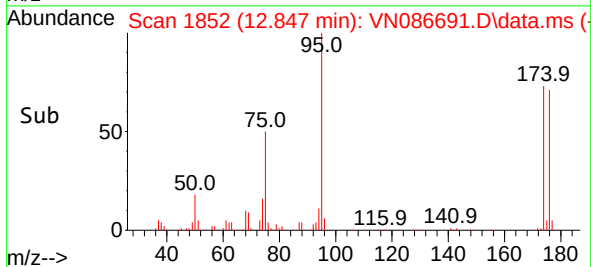
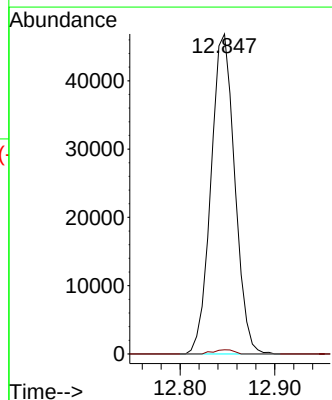
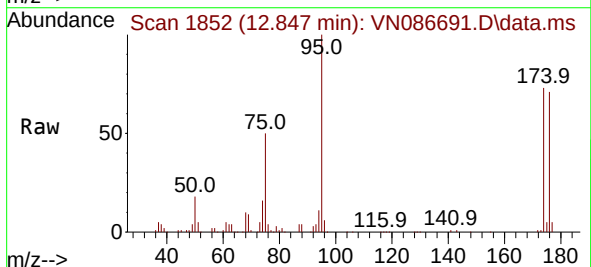
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#08

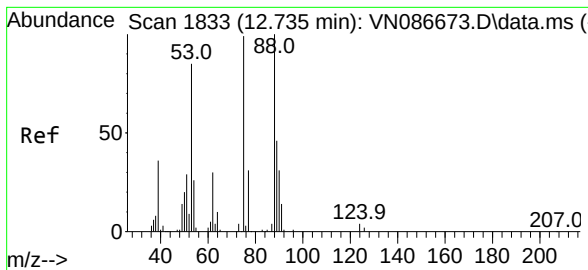
Tgt Ion: 43	Resp: 2667
Ion Ratio	Lower Upper
43 100	
70 0.0	37.9 56.9#
55 2.5	20.5 30.7#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 24.030 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

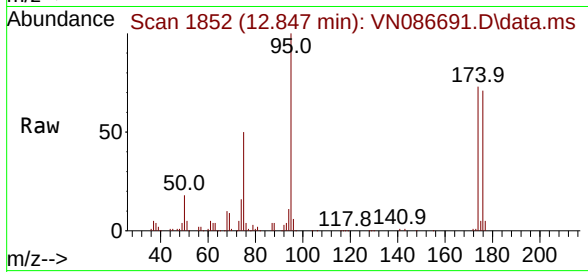
Tgt Ion: 75	Resp: 81904
Ion Ratio	Lower Upper
75 100	
77 1.2	96.0 288.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.644 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086691.D
 Acq: 19 May 2025 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#08



Tgt Ion: 75 Resp: 81904
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 32.4 48.6#

