

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086344.D
 Acq On : 18 Apr 2025 15:19
 Operator : JC\MD
 Sample : PB167623ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#09

Quant Time: Apr 19 02:26:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

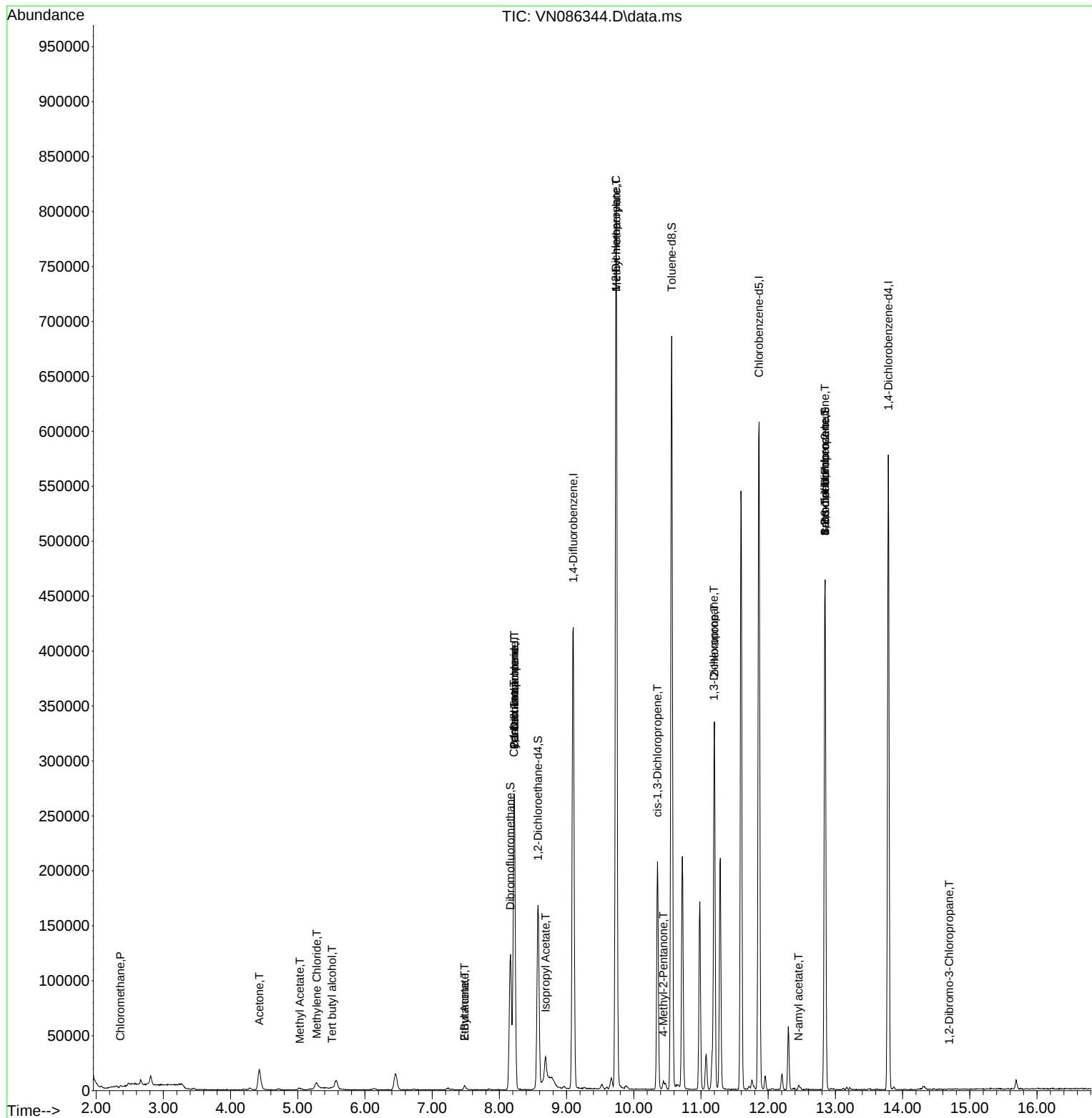
Internal Standards						
1) Pentafluorobenzene	8.224	168	197092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	376730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	154079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139743	48.895	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.800%		
35) Dibromofluoromethane	8.165	113	90973	52.031	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.060%		
50) Toluene-d8	10.565	98	476557	50.998	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.000%		
62) 4-Bromofluorobenzene	12.847	95	174663	51.245	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.500%		
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1045	0.308	ug/l	99
11) Tert butyl alcohol	5.512	59	587	1.126	ug/l #	72
16) Acetone	4.430	43	35472	30.896	ug/l	99
18) Methyl Acetate	5.030	43	3718	1.084	ug/l #	81
20) Methylene Chloride	5.283	84	4229	1.601	ug/l	86
25) 2-Butanone	7.483	43	6664	3.746	ug/l #	83
31) Cyclohexane	8.218	56	4487	0.969	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16805	4.812	ug/l #	49
37) Ethyl Acetate	7.483	43	6664	1.813	ug/l #	68
38) Carbon Tetrachloride	8.224	117	19960	6.002	ug/l #	15
43) Isopropyl Acetate	8.688	43	48565	5.595	ug/l #	74
45) 1,2-Dichloropropane	9.735	63	896	0.327	ug/l #	43
48) Methyl methacrylate	9.741	41	72191	22.359	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	4026	1.069	ug/l	95
54) cis-1,3-Dichloropropene	10.353	75	39147	8.471	ug/l #	58
57) 1,3-Dichloropropane	11.194	76	3773	0.847	ug/l #	43
59) 2-Hexanone	11.200	43	70584	25.276	ug/l #	42
71) Bromoform	12.847	173	920	0.467	ug/l #	1
74) N-amyl acetate	12.453	43	3219	0.513	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	88723	24.401	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88723	58.602	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.694	75	450	0.616	ug/l #	5

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

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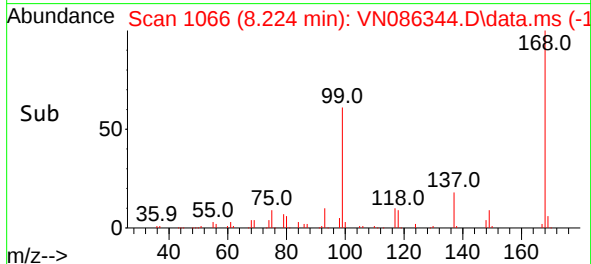
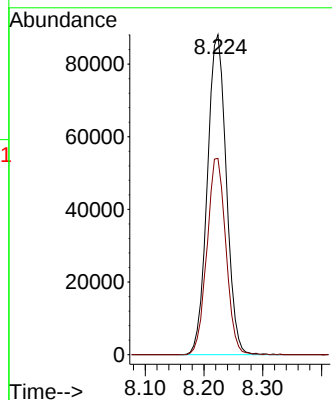
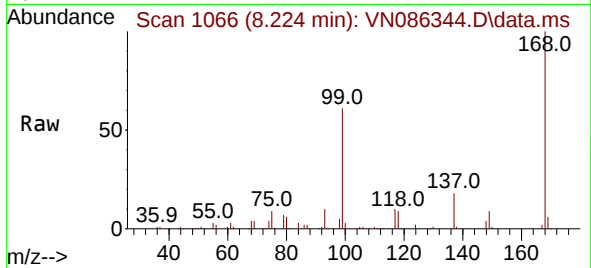




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

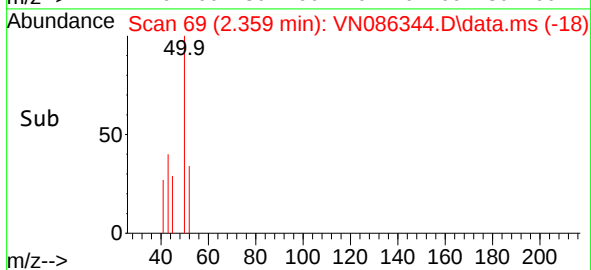
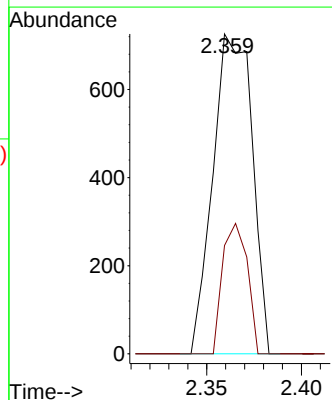
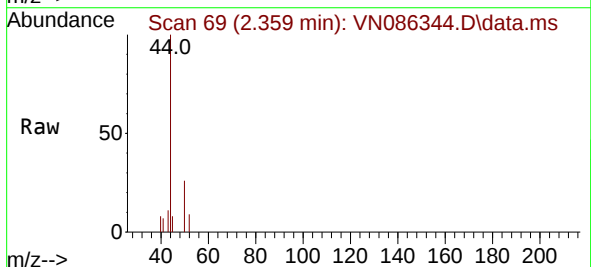
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

Tgt Ion:168 Resp: 197092
Ion Ratio Lower Upper
168 100
99 61.4 52.5 78.7



#3
Chloromethane
Concen: 0.308 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

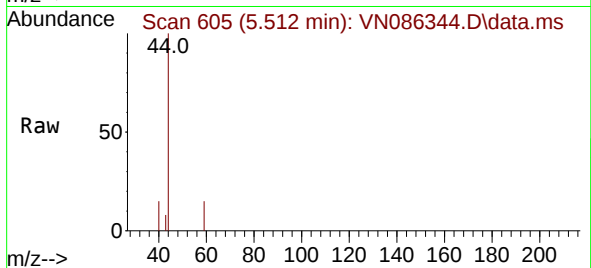
Tgt Ion: 50 Resp: 1045
Ion Ratio Lower Upper
50 100
52 33.9 26.5 39.7



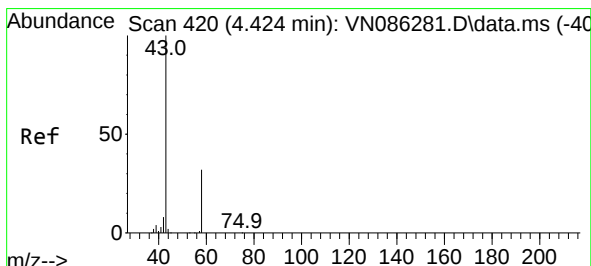
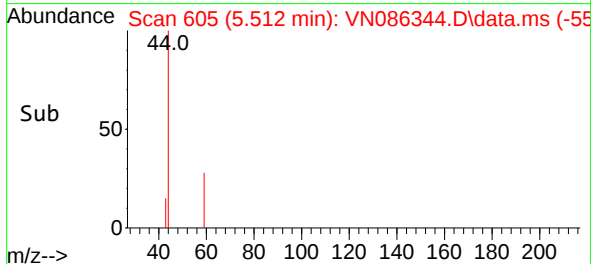
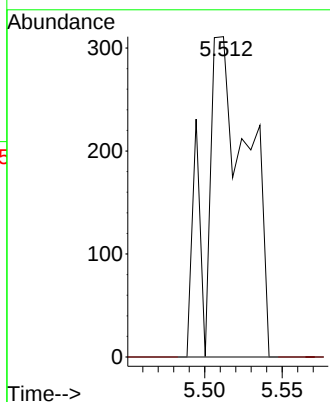


#11
Tert butyl alcohol
Concen: 1.126 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

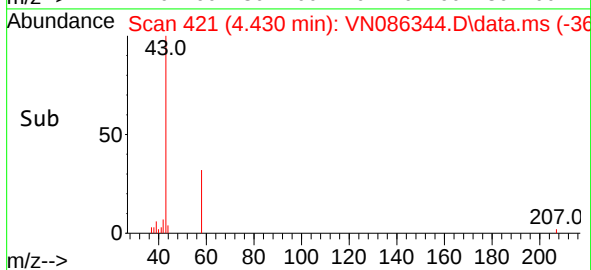
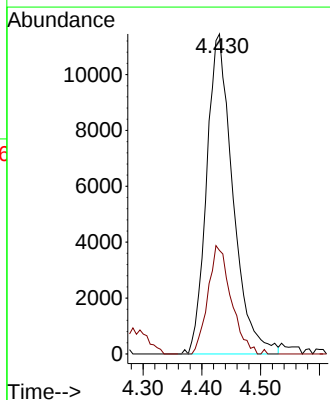
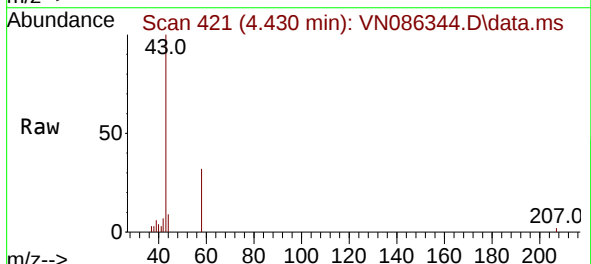


Tgt Ion: 59 Resp: 587
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 30.896 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 43 Resp: 35472
Ion Ratio Lower Upper
43 100
58 32.3 25.3 37.9

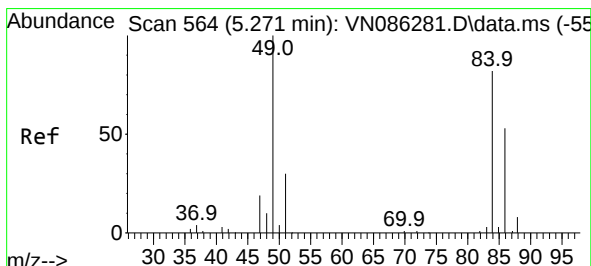
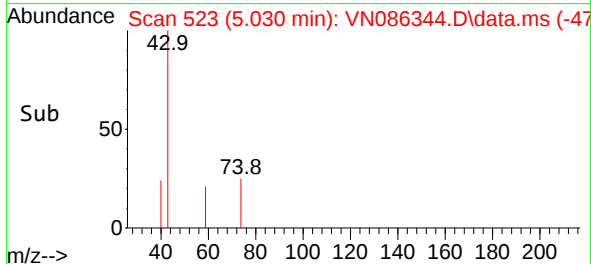
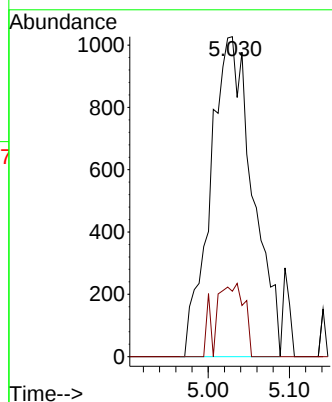
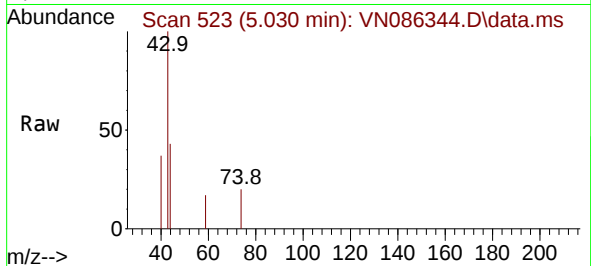




#18
Methyl Acetate
Concen: 1.084 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

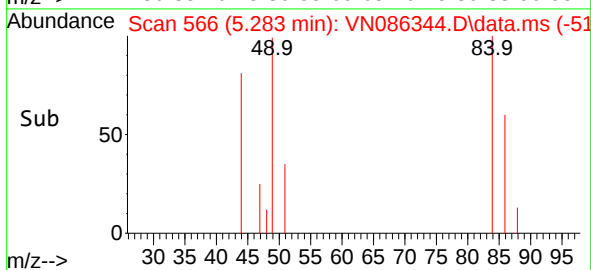
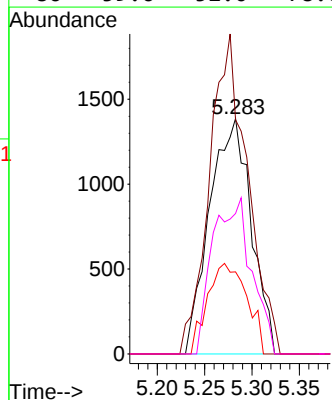
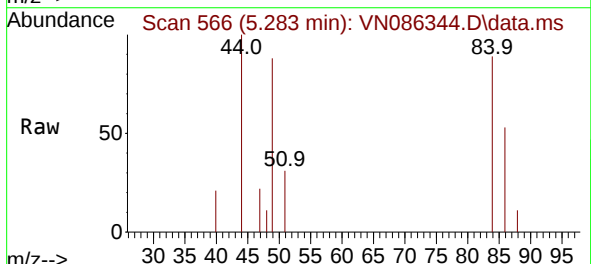
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

Tgt Ion: 43 Resp: 3718
Ion Ratio Lower Upper
43 100
74 15.4 19.8 29.6#



#20
Methylene Chloride
Concen: 1.601 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 84 Resp: 4229
Ion Ratio Lower Upper
84 100
49 99.4 98.2 147.2
51 34.8 29.8 44.6
86 59.6 52.0 78.0

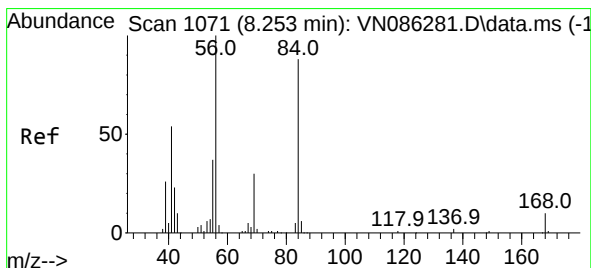
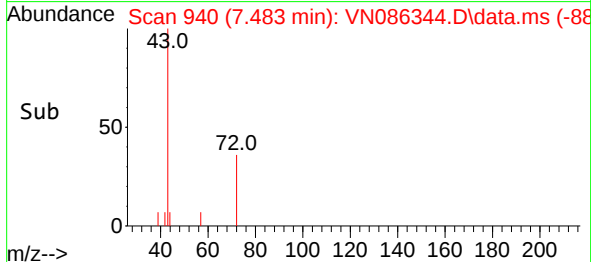
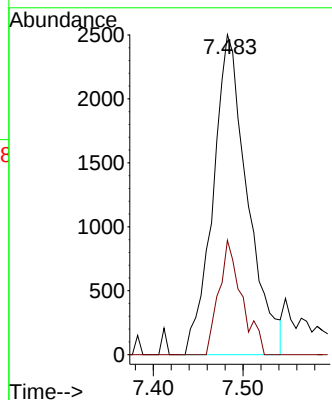
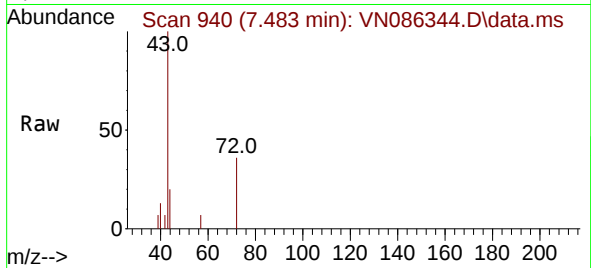




#25
2-Butanone
Concen: 3.746 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

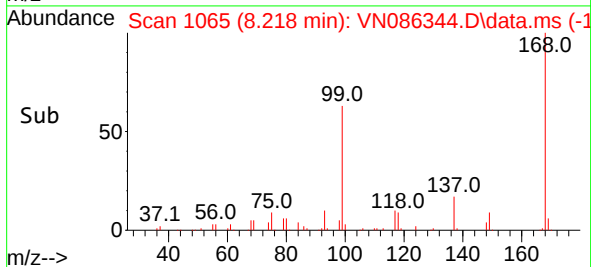
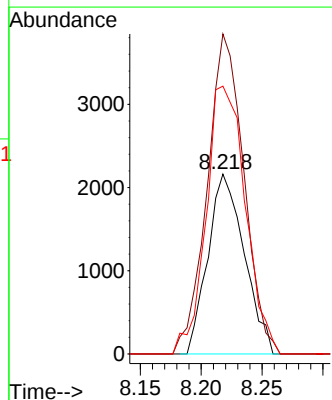
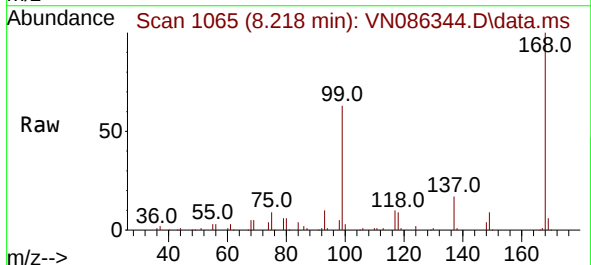
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

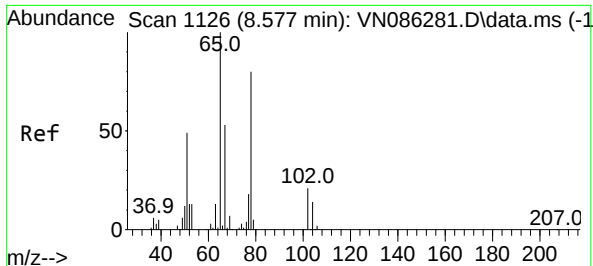
Tgt Ion: 43 Resp: 6664
Ion Ratio Lower Upper
43 100
72 35.8 21.7 32.5#



#31
Cyclohexane
Concen: 0.969 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 56 Resp: 4487
Ion Ratio Lower Upper
56 100
69 177.9 24.2 36.2#
84 148.9 70.3 105.5#

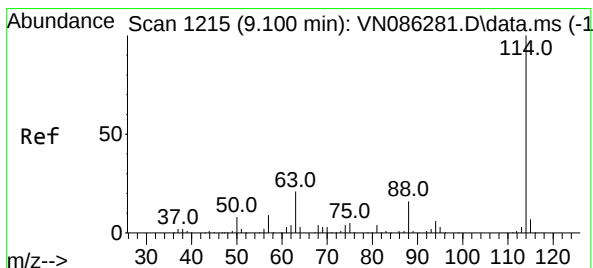
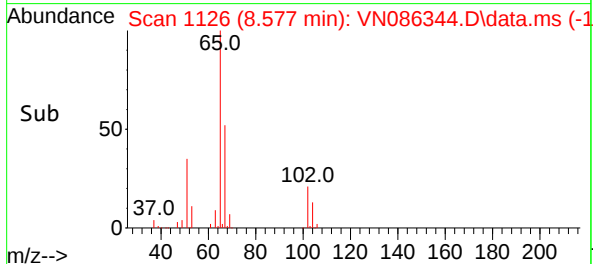
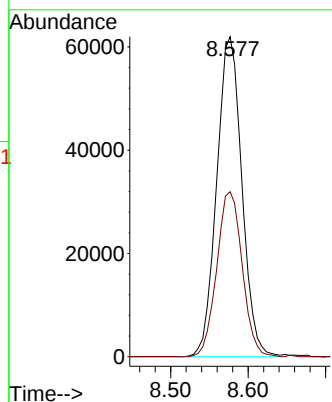
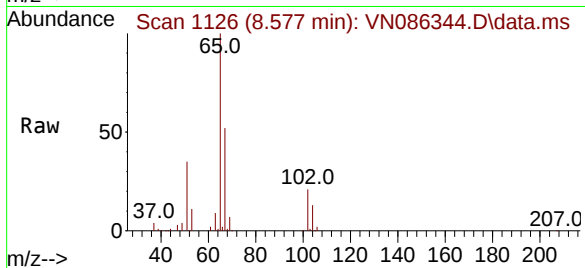




#33
1,2-Dichloroethane-d4
Concen: 48.895 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

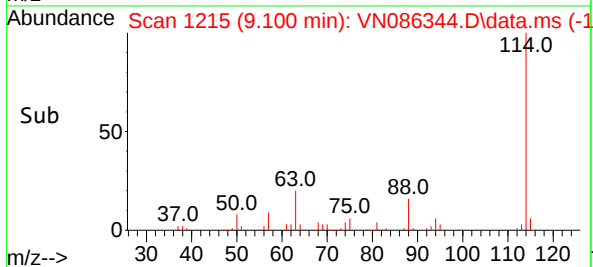
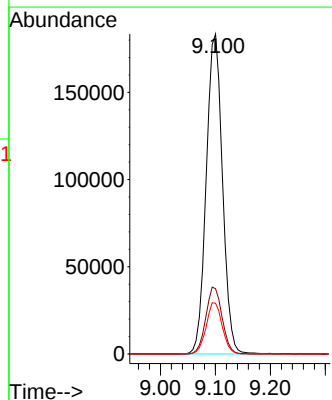
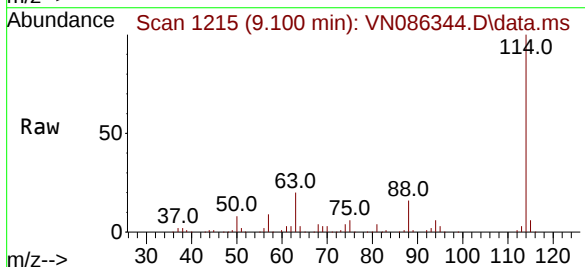
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ClientSampleId :
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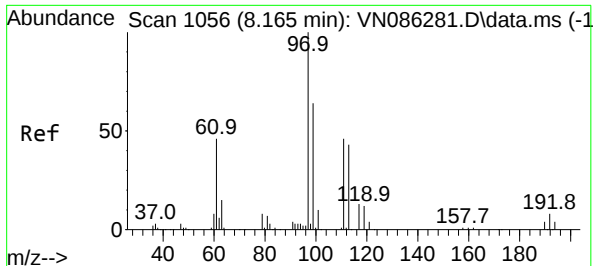
Tgt Ion: 65 Resp: 139743
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 114 Resp: 376730
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.031 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086344.D

Acq: 18 Apr 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#09

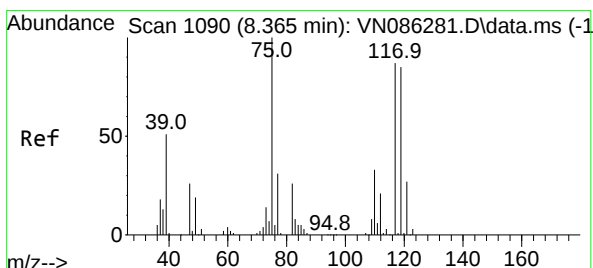
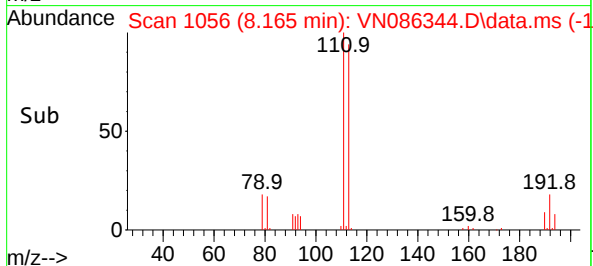
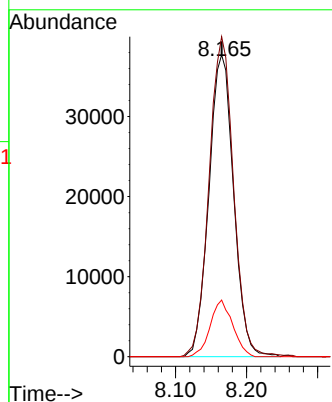
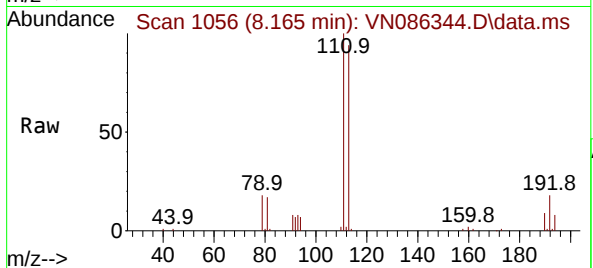
Tgt Ion:113 Resp: 90973

Ion Ratio Lower Upper

113 100

111 105.3 83.4 125.0

192 17.2 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.812 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086344.D

Acq: 18 Apr 2025 15:19

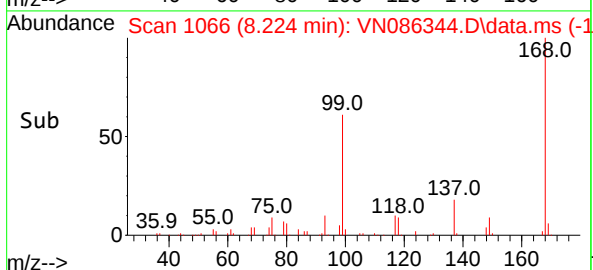
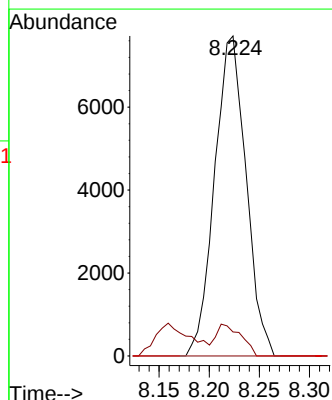
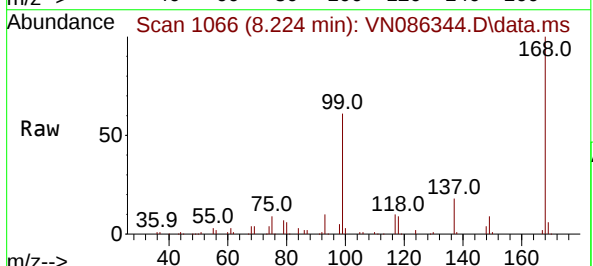
Tgt Ion: 75 Resp: 16805

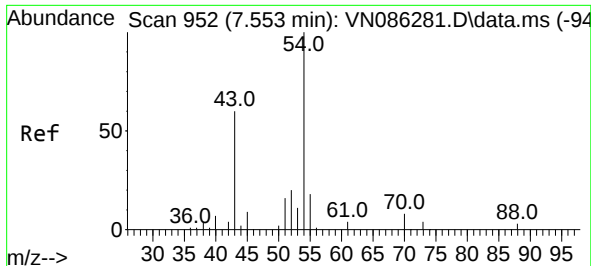
Ion Ratio Lower Upper

75 100

110 7.8 16.8 50.4#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.813 ug/l

RT: 7.483 min Scan# 94

Delta R.T. -0.071 min

Lab File: VN086344.D

Acq: 18 Apr 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#09

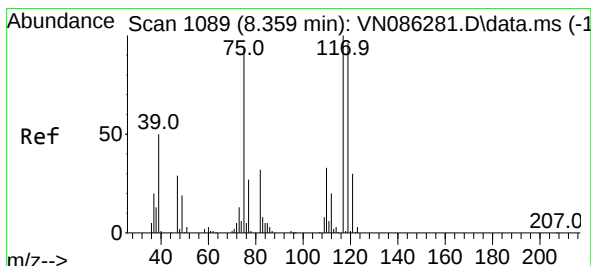
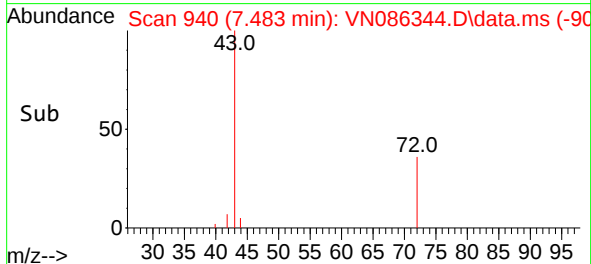
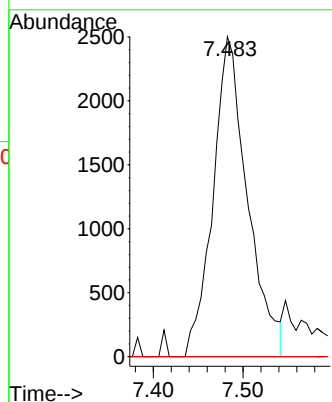
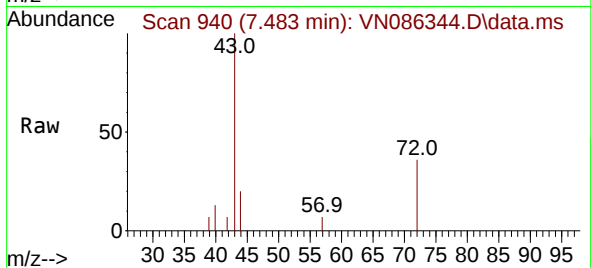
Tgt Ion: 43 Resp: 6664

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086344.D

Acq: 18 Apr 2025 15:19

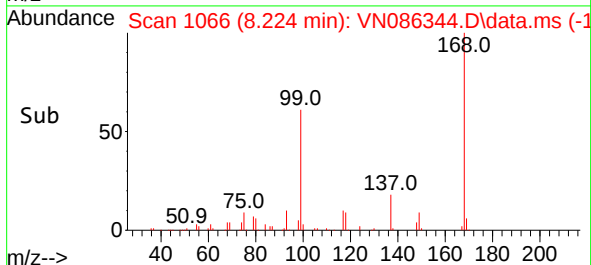
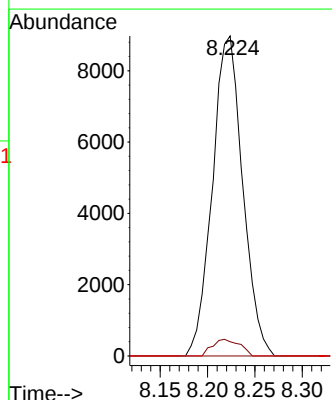
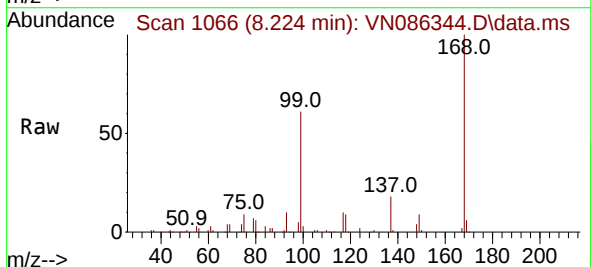
Tgt Ion: 117 Resp: 19960

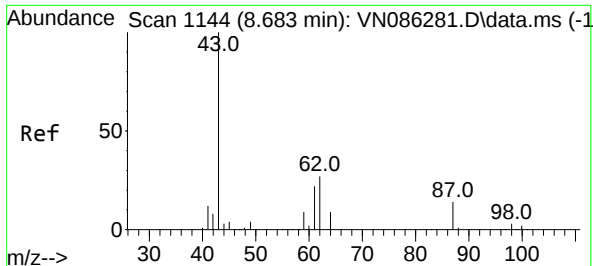
Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

121 0.0 23.8 35.8#

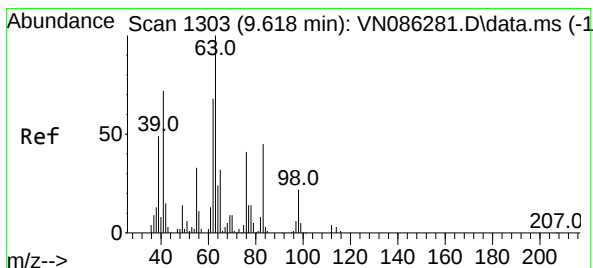
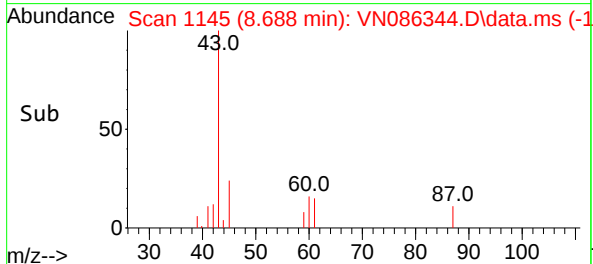
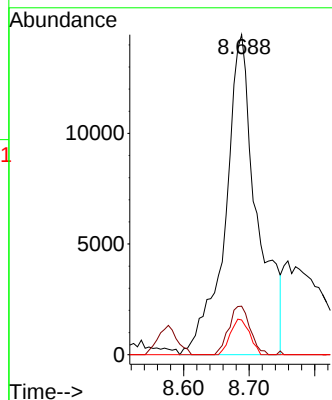
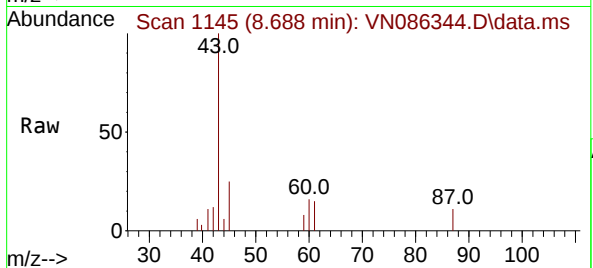




#43
Isopropyl Acetate
Concen: 5.595 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

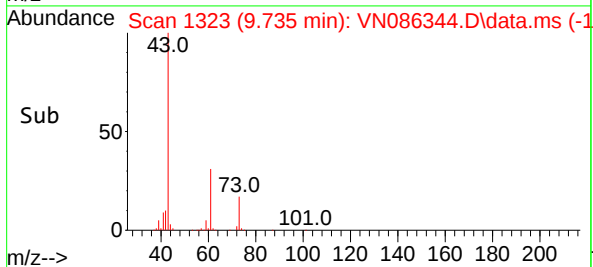
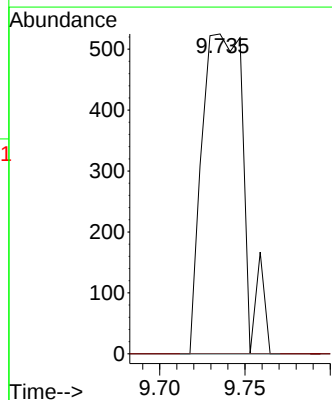
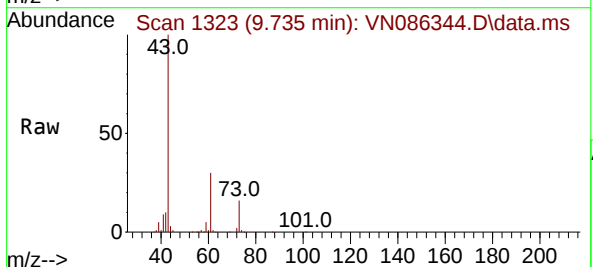
Instrument : MSVOA_N
ClientSampleId : PB167623ZHE#09

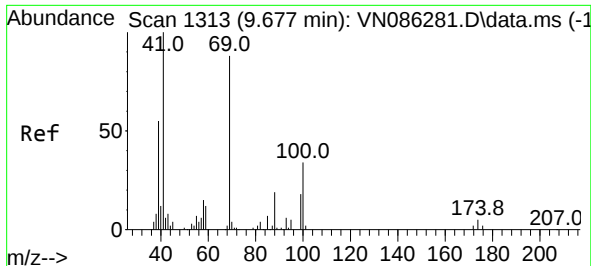
Tgt Ion: 43 Resp: 48565
Ion Ratio Lower Upper
43 100
61 10.1 20.5 30.7#
87 6.7 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.327 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 63 Resp: 896
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

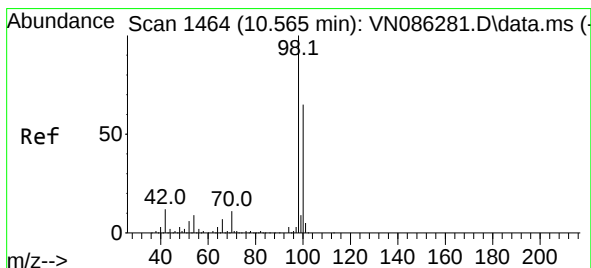
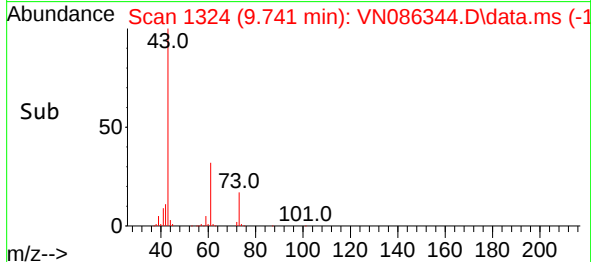
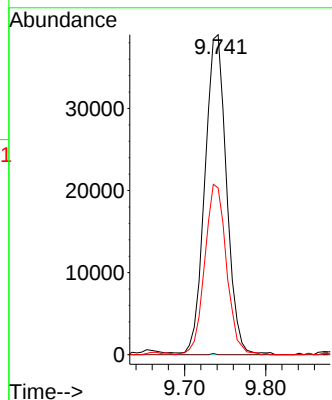
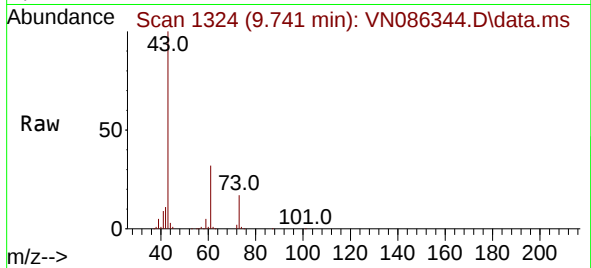




#48
Methyl methacrylate
Concen: 22.359 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

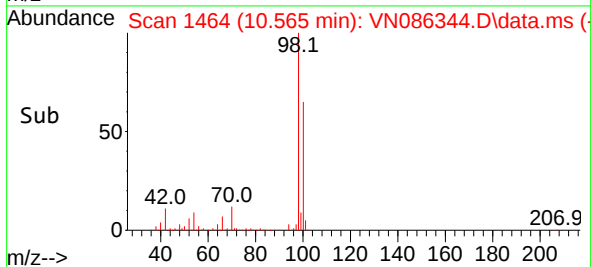
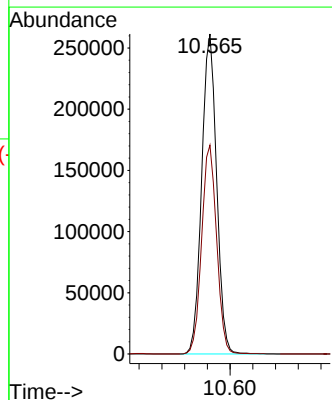
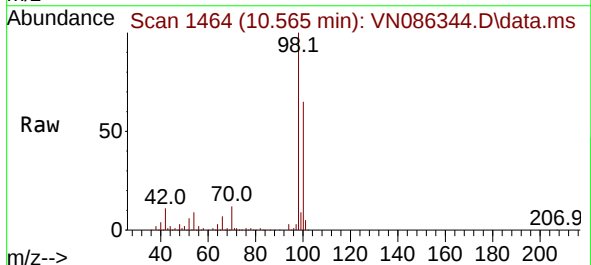
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

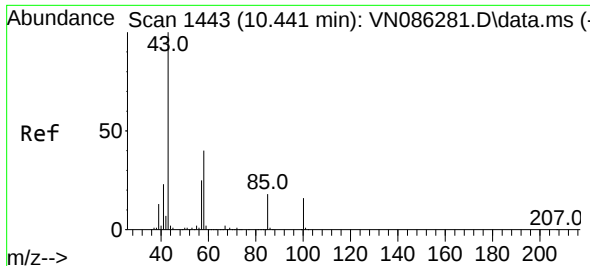
Tgt Ion: 41 Resp: 72191
Ion Ratio Lower Upper
41 100
69 0.1 68.2 102.2#
39 53.5 45.2 67.8



#50
Toluene-d8
Concen: 50.998 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 98 Resp: 476557
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

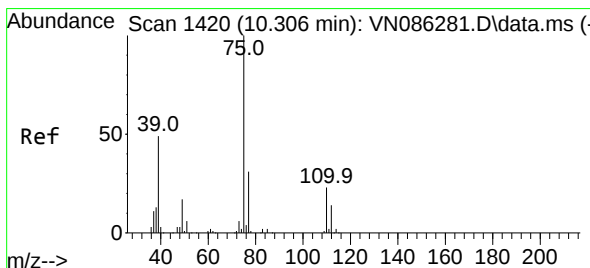
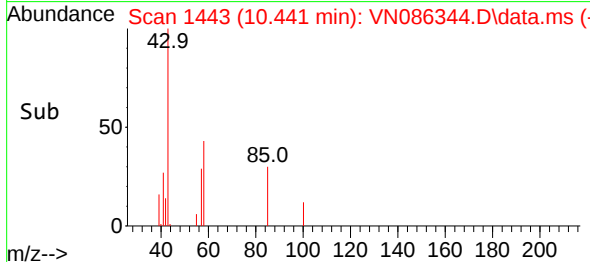
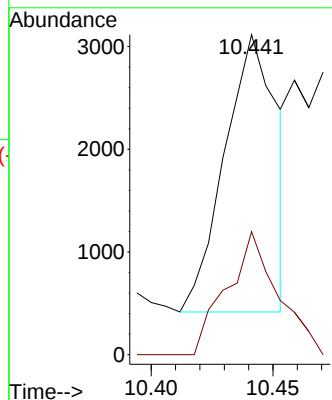
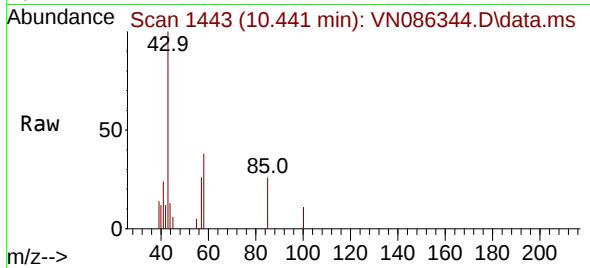




#51
4-Methyl-2-Pentanone
Concen: 1.069 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

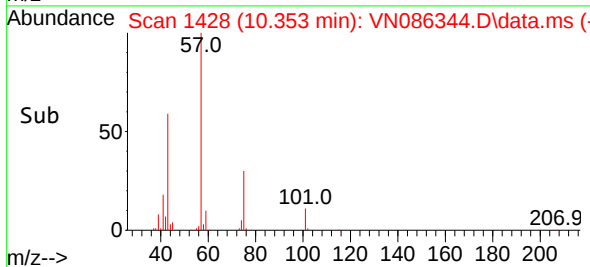
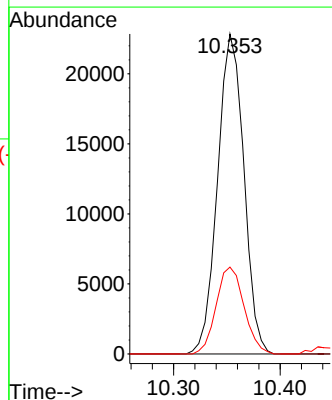
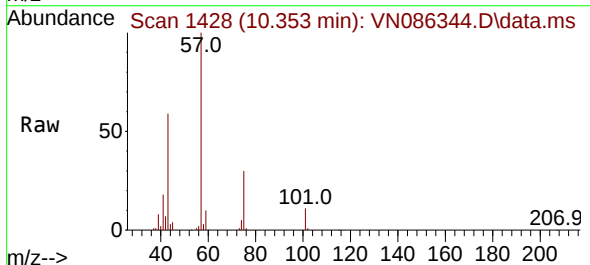
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

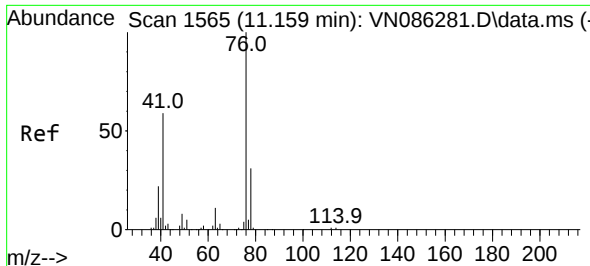
Tgt Ion: 43 Resp: 4026
Ion Ratio Lower Upper
43 100
58 43.3 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 8.471 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 75 Resp: 39147
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 27.2 39.3 58.9#

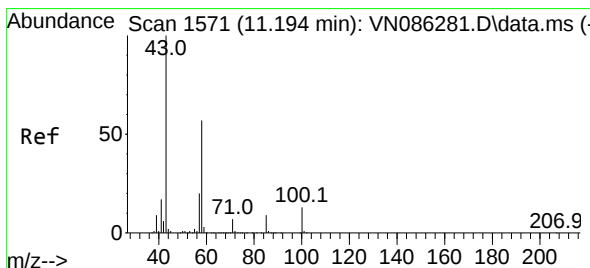
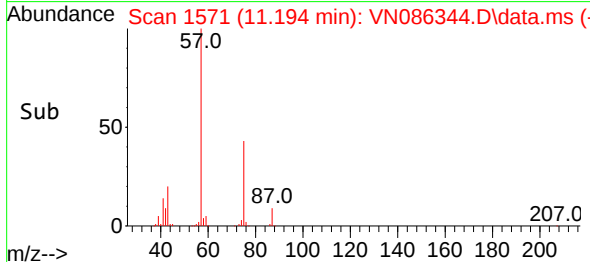
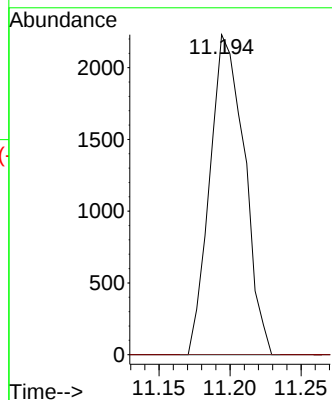
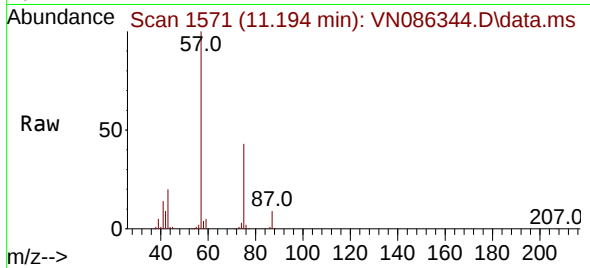




#57
1,3-Dichloropropane
Concen: 0.847 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

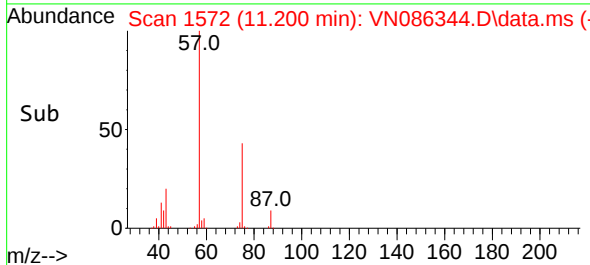
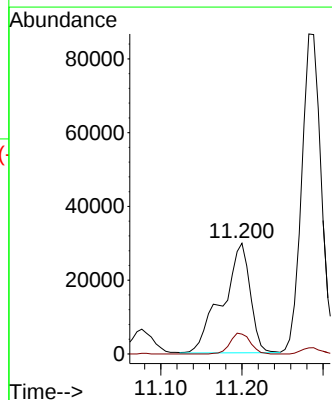
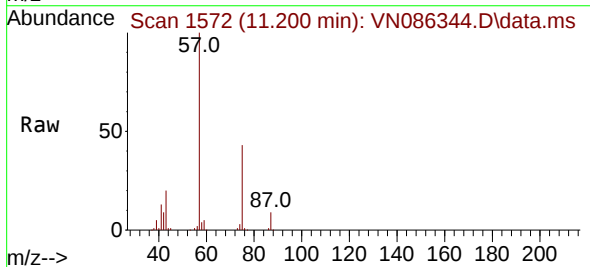
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

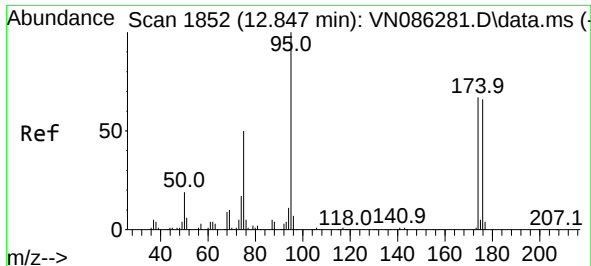
Tgt Ion: 76 Resp: 3773
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 25.276 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 43 Resp: 70584
Ion Ratio Lower Upper
43 100
58 13.8 28.3 85.0#

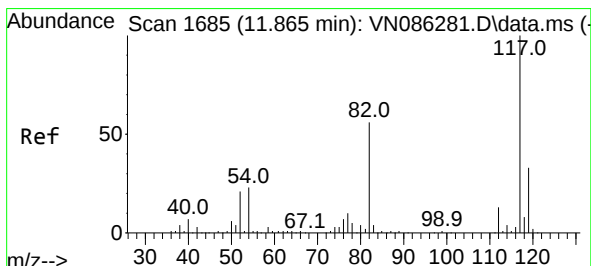
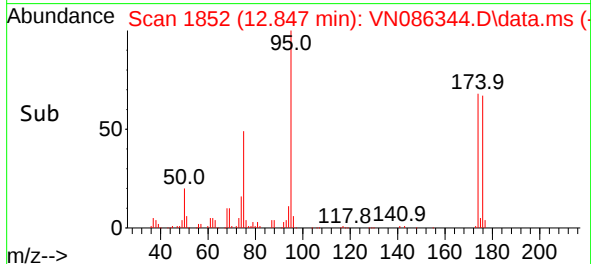
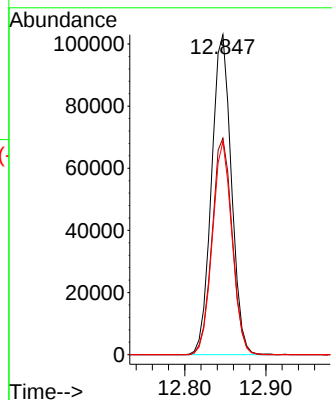
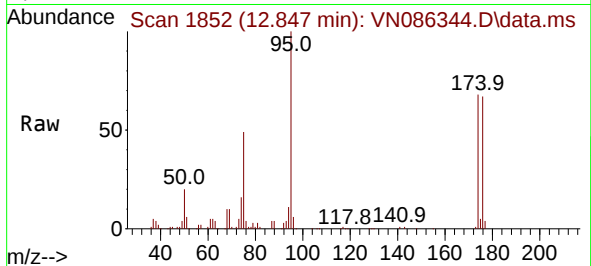




#62
4-Bromofluorobenzene
Concen: 51.245 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

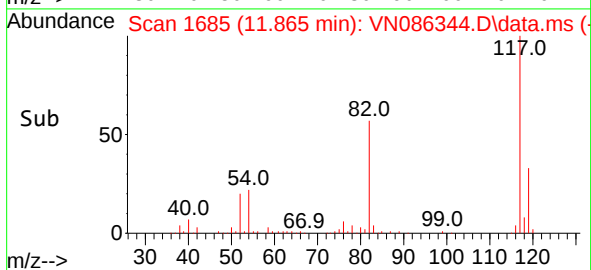
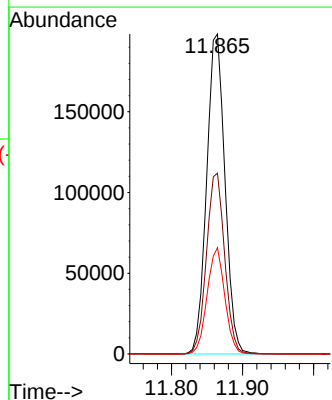
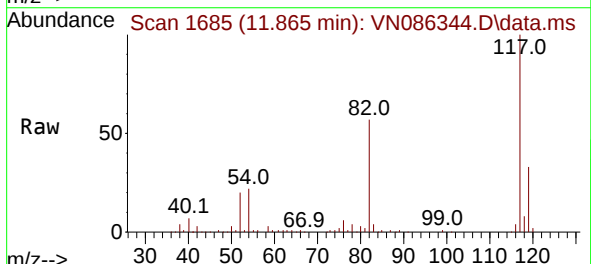
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

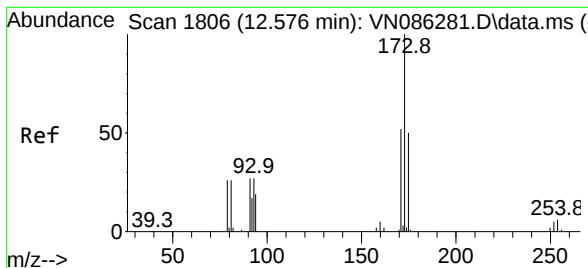
Tgt Ion: 95 Resp: 174663
Ion Ratio Lower Upper
95 100
174 68.8 0.0 133.4
176 65.9 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 117 Resp: 355138
Ion Ratio Lower Upper
117 100
82 56.5 44.7 67.1
119 33.2 26.4 39.6





#71

Bromoform

Concen: 0.467 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN086344.D

Acq: 18 Apr 2025 15:19

Instrument :

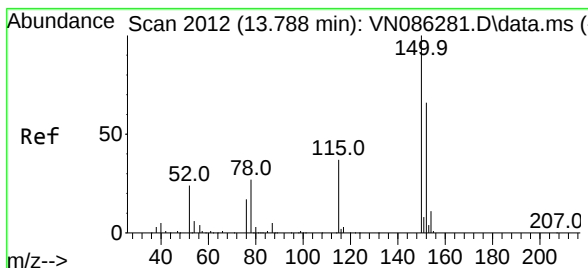
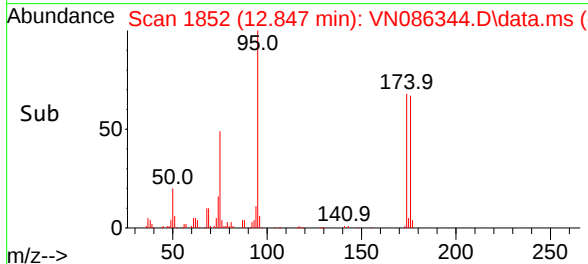
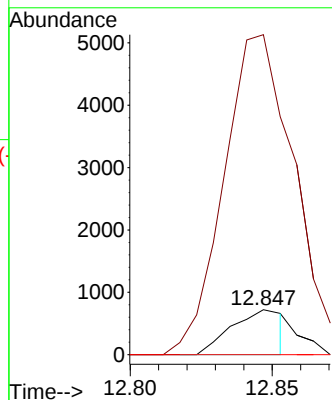
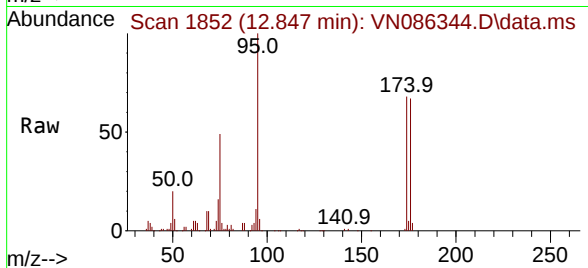
MSVOA_N

ClientSampleId :

PB167623ZHE#09

Tgt Ion:173 Resp: 920

Ion	Ratio	Lower	Upper
173	100		
175	770.9	24.6	73.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

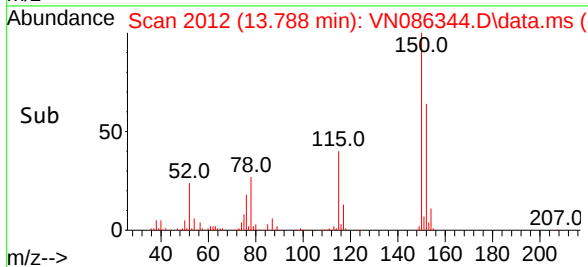
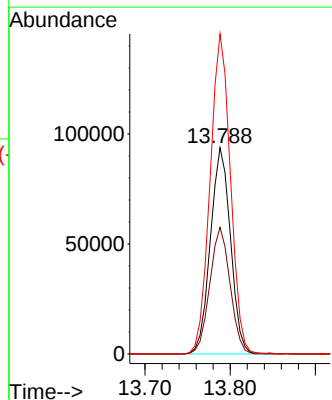
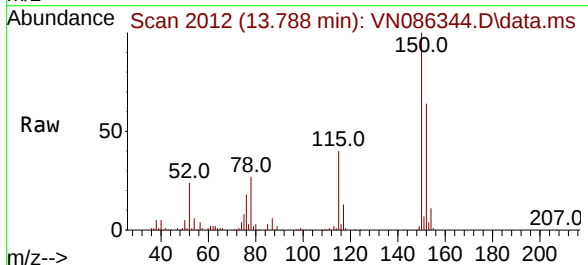
Delta R.T. -0.000 min

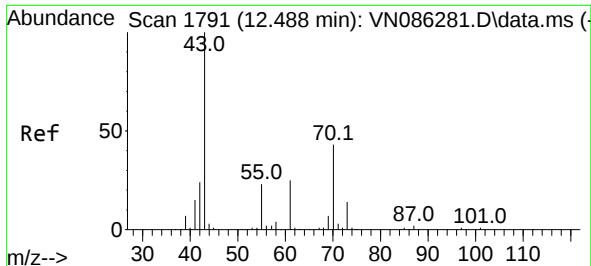
Lab File: VN086344.D

Acq: 18 Apr 2025 15:19

Tgt Ion:152 Resp: 154079

Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.9	95.9
150	156.8	0.0	352.0

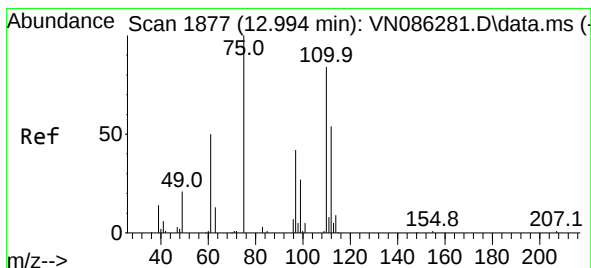
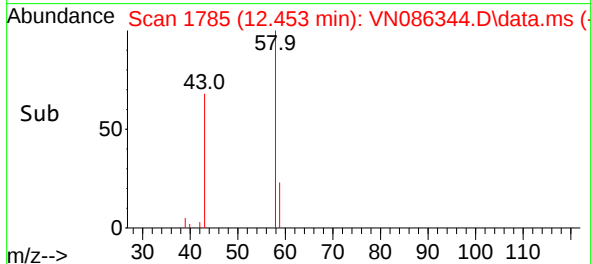
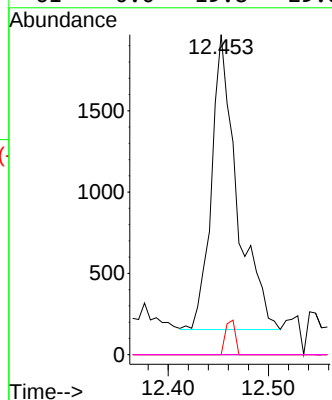
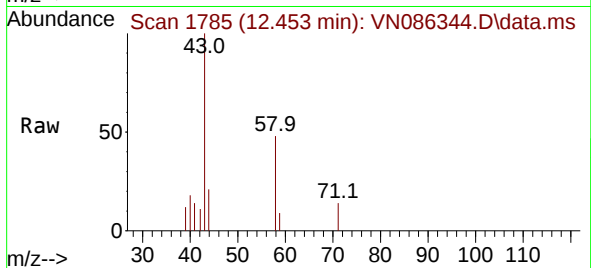




#74
N-amy1 acetate
Concen: 0.513 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

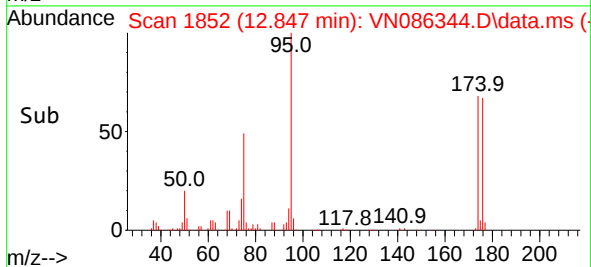
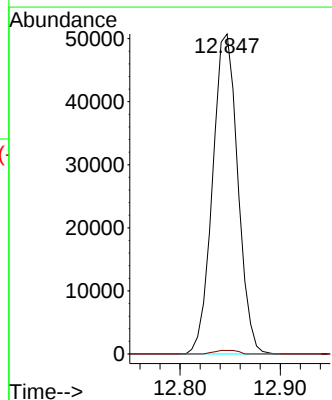
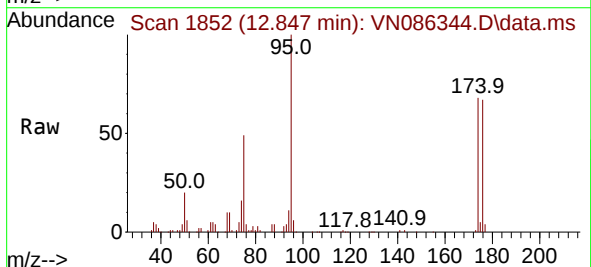
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

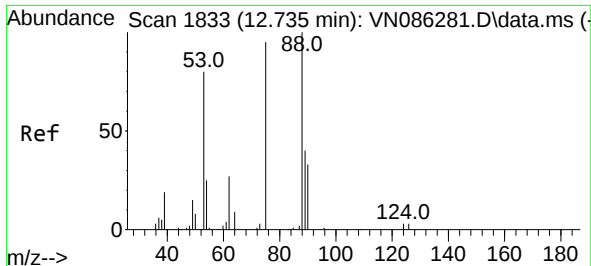
Tgt Ion: 43	Resp: 3219
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 4.4	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 24.401 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 75	Resp:	88723	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	98.8	296.4#	

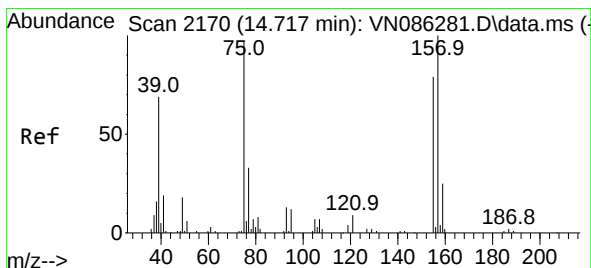
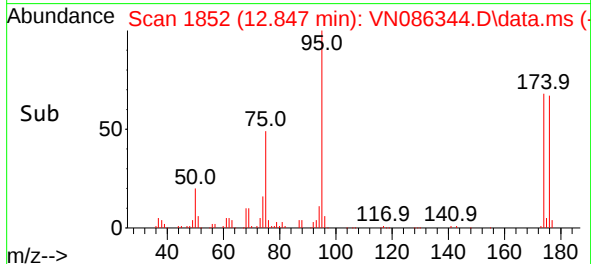
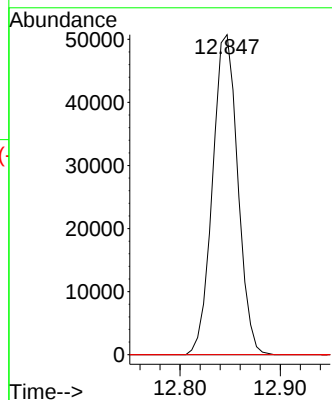
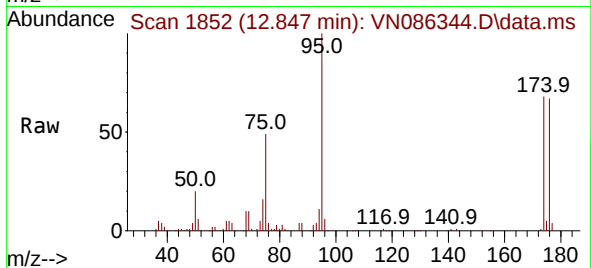




#81
trans-1,4-Dichloro-2-butene
Concen: 58.602 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#09

Tgt Ion: 75 Resp: 88723
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.616 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.024 min
Lab File: VN086344.D
Acq: 18 Apr 2025 15:19

Tgt Ion: 75 Resp: 450
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.9#
157 0.0 49.0 147.2#

