

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085911.D
 Acq On : 06 Mar 2025 20:20
 Operator : JC\MD
 Sample : PB166989ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#13

Quant Time: Mar 07 00:45:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

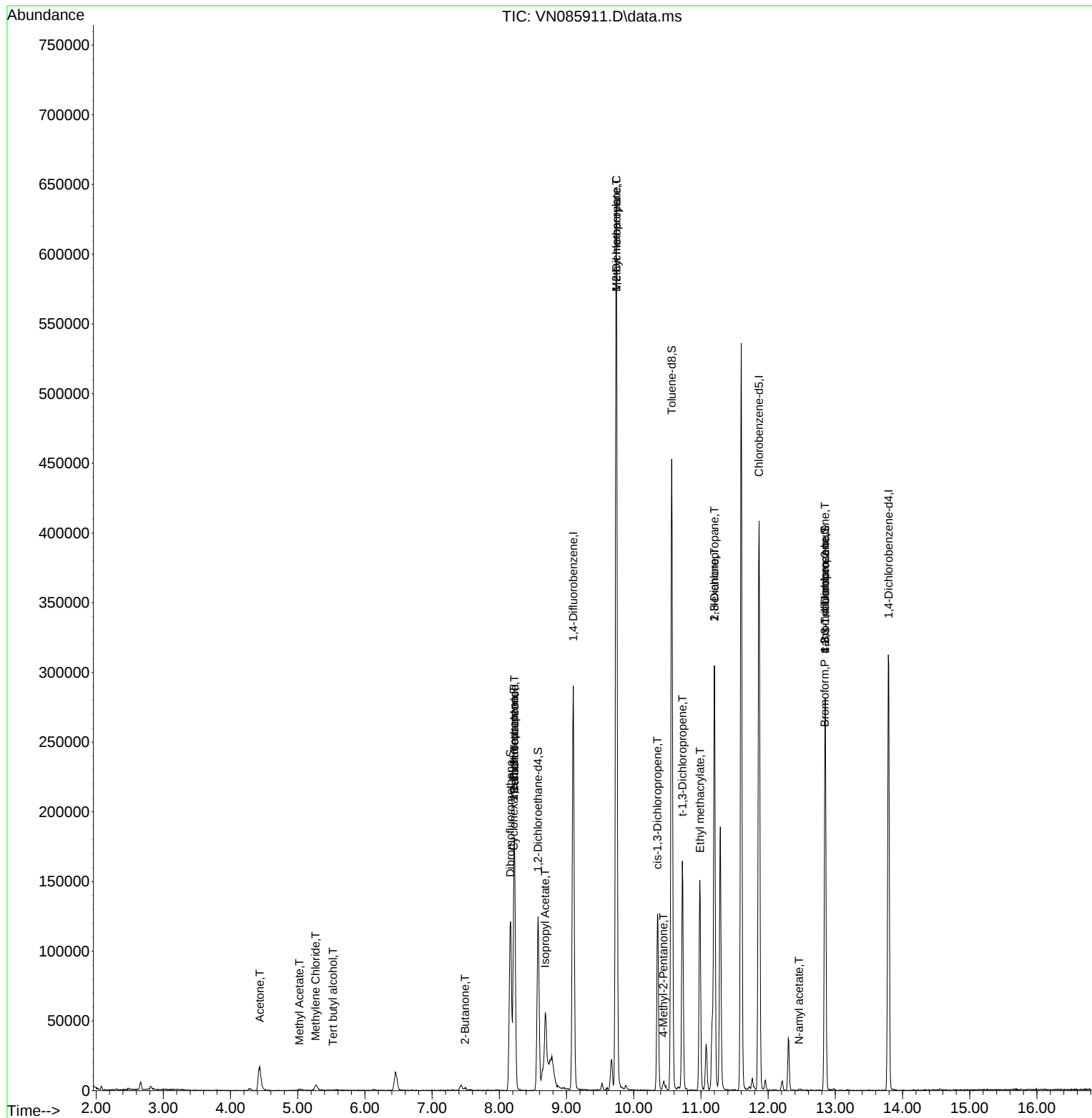
Internal Standards						
1) Pentafluorobenzene	8.224	168	132357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104592	60.952	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.900%			
35) Dibromofluoromethane	8.165	113	89789	55.139	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.280%			
50) Toluene-d8	10.565	98	318697	53.792	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.580%			
62) 4-Bromofluorobenzene	12.847	95	98078	50.244	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.480%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	324	1.535	ug/l #	72
16) Acetone	4.436	43	31833	58.628	ug/l	95
18) Methyl Acetate	5.024	43	2015	1.079	ug/l #	70
20) Methylene Chloride	5.265	84	3417	1.957	ug/l #	81
25) 2-Butanone	7.489	43	3388	4.241	ug/l	98
31) Cyclohexane	8.212	56	2678	1.093	ug/l #	14
36) 1,1-Dichloropropene	8.218	75	11314	4.909	ug/l #	48
38) Carbon Tetrachloride	8.224	117	14208	5.188	ug/l #	18
43) Isopropyl Acetate	8.683	43	73325	21.721	ug/l #	79
45) 1,2-Dichloropropane	9.742	63	944	0.529	ug/l #	43
48) Methyl methacrylate	9.742	41	56202	39.902	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	6660	3.642	ug/l #	71
53) t-1,3-Dichloropropene	10.724	75	513	0.206	ug/l #	43
54) cis-1,3-Dichloropropene	10.353	75	24868	9.115	ug/l #	62
56) Ethyl methacrylate	10.989	69	1324	1.056	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3171	1.103	ug/l #	42
59) 2-Hexanone	11.200	43	36457	28.981	ug/l #	54
71) Bromoform	12.841	173	545	0.362	ug/l #	27
74) N-amyl acetate	12.459	43	906	0.413	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	49419	24.490	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	49419	71.457	ug/l #	12

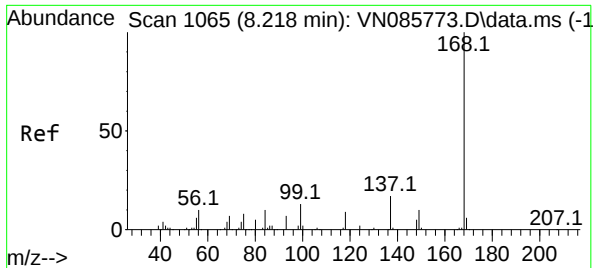
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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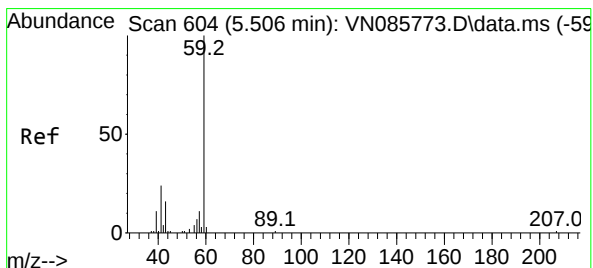
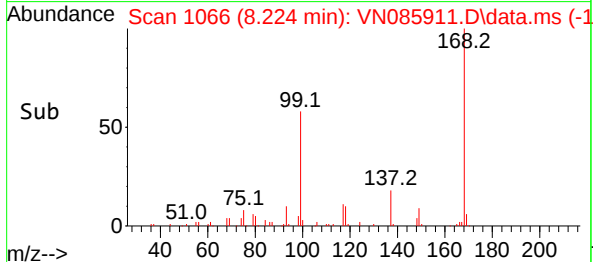
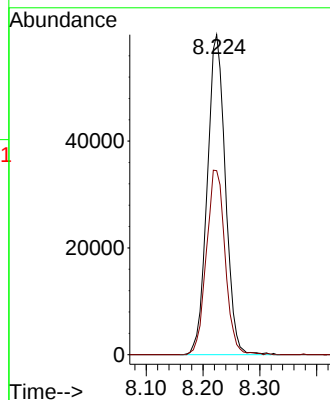
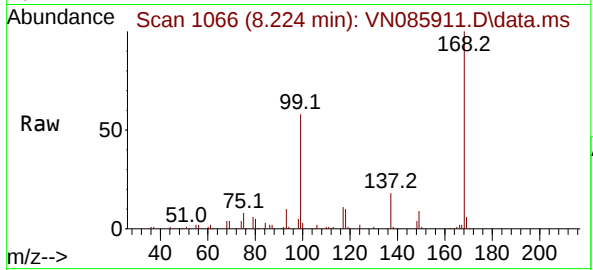




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

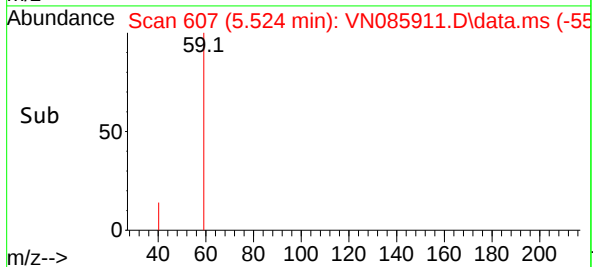
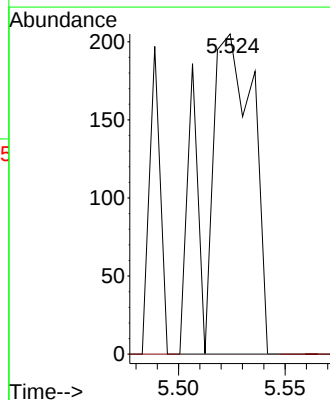
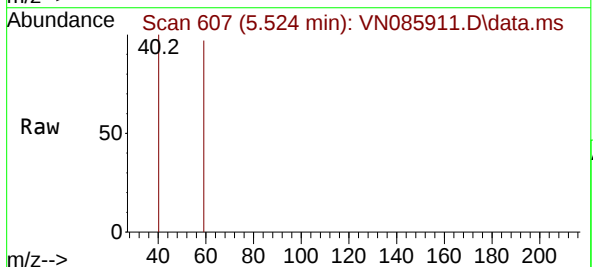
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#13

Tgt Ion:168 Resp: 132357
Ion Ratio Lower Upper
168 100
99 57.5 47.9 71.9



#11
Tert butyl alcohol
Concen: 1.535 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

Tgt Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

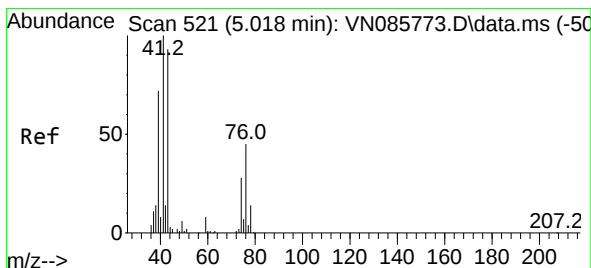
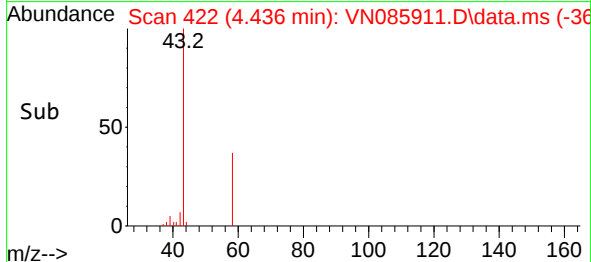
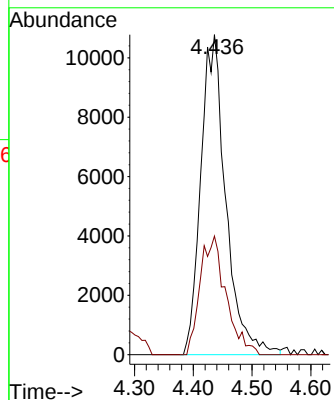
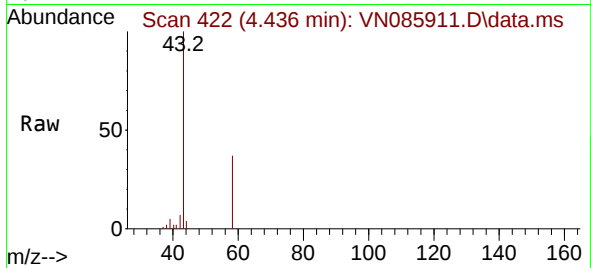




#16
Acetone
Concen: 58.628 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

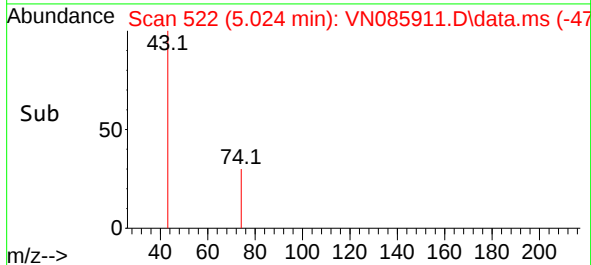
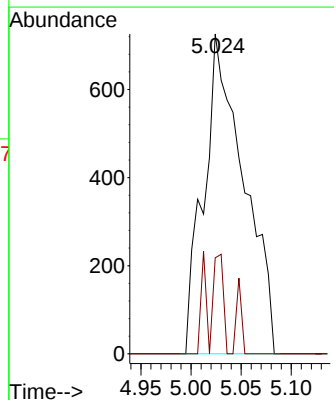
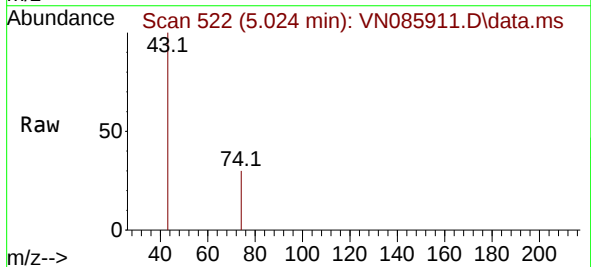
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#13

Tgt Ion: 43 Resp: 31833
Ion Ratio Lower Upper
43 100
58 37.1 27.5 41.3



#18
Methyl Acetate
Concen: 1.079 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

Tgt Ion: 43 Resp: 2015
Ion Ratio Lower Upper
43 100
74 11.9 22.2 33.4#

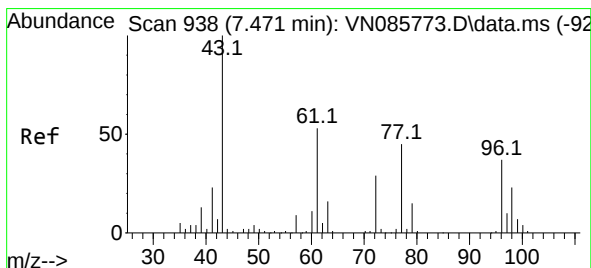
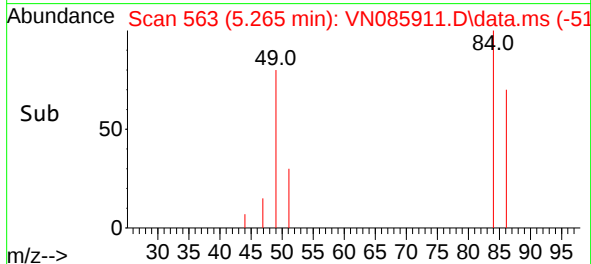
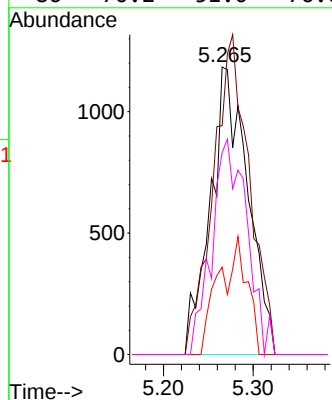
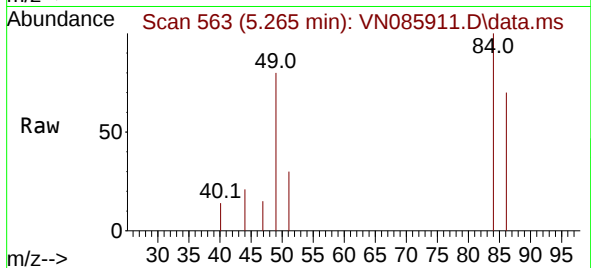




#20
Methylene Chloride
Concen: 1.957 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

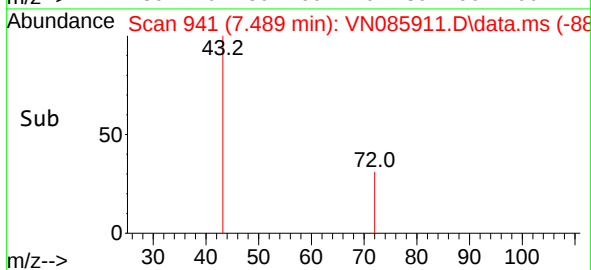
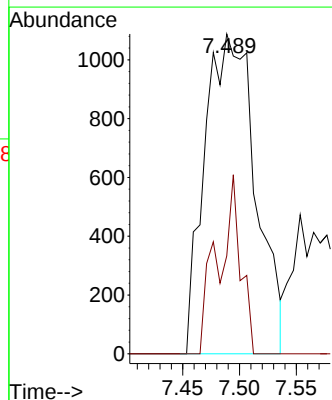
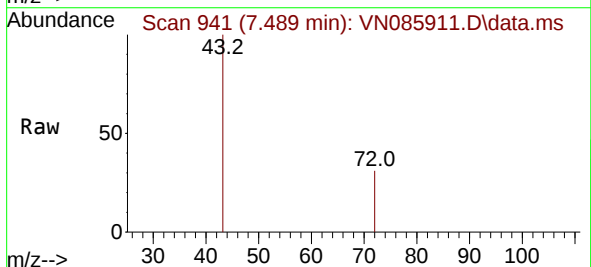
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#13

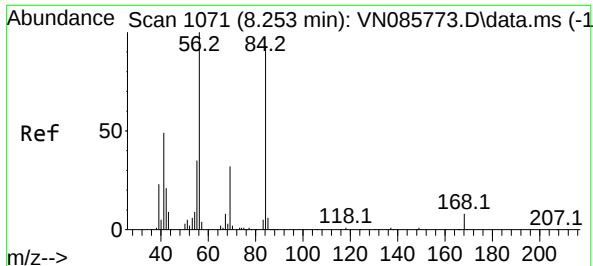
Tgt Ion: 84	Resp: 3417
Ion Ratio	Lower Upper
84 100	
49 79.6	88.4 132.6#
51 30.4	26.6 40.0
86 70.2	51.0 76.6



#25
2-Butanone
Concen: 4.241 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

Tgt Ion: 43	Resp: 3388		
Ion Ratio	Lower	Upper	
43 100			
72 30.6	23.6	35.4	

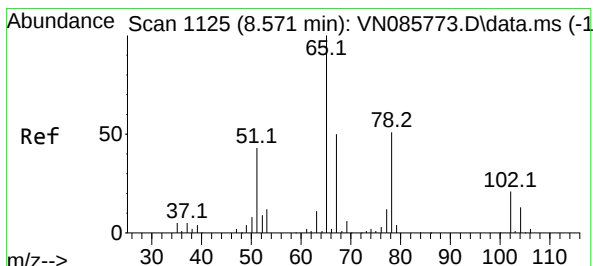
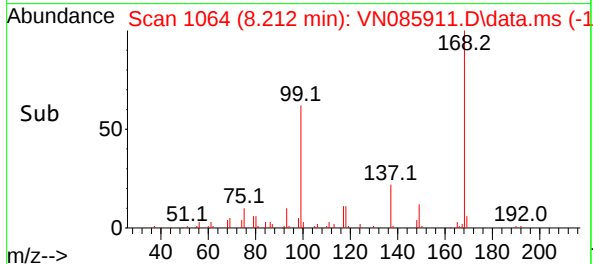
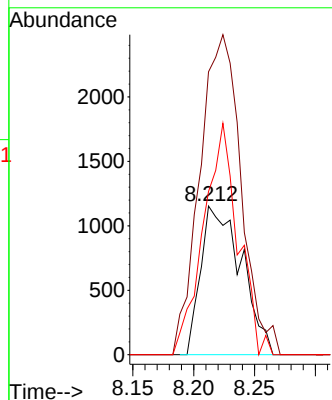
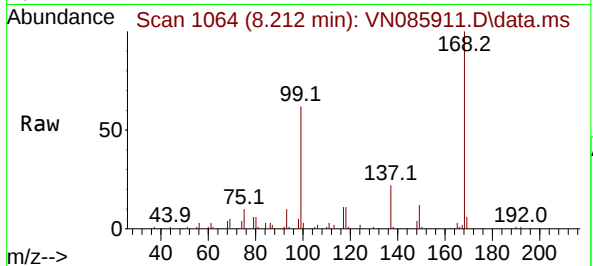




#31
Cyclohexane
Concen: 1.093 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

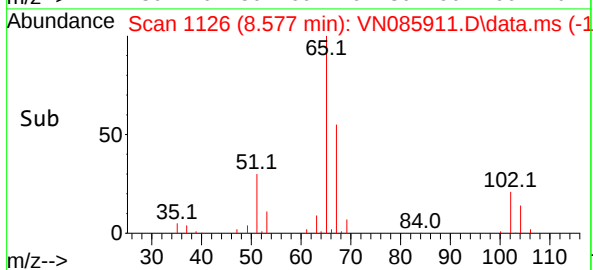
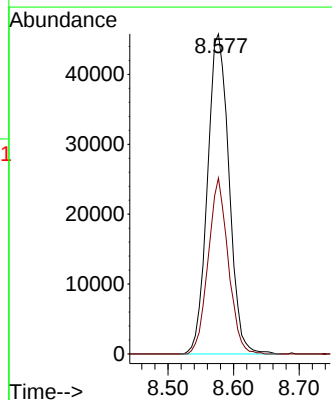
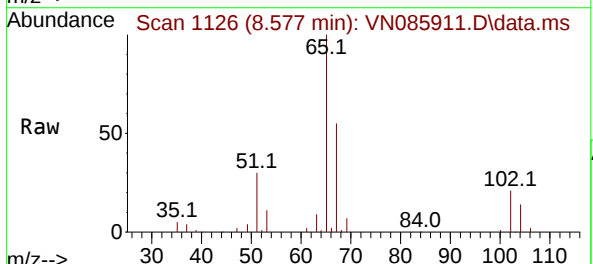
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#13

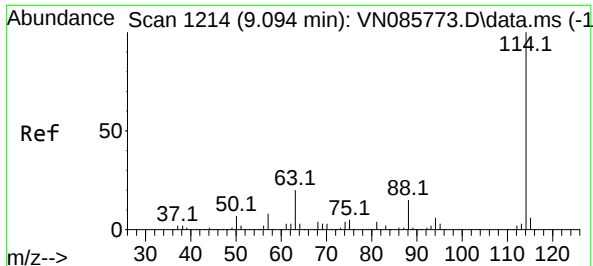
Tgt Ion: 56 Resp: 2678
Ion Ratio Lower Upper
56 100
69 190.2 25.8 38.6#
84 109.8 74.5 111.7



#33
1,2-Dichloroethane-d4
Concen: 60.952 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

Tgt Ion: 65 Resp: 104592
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085911.D

Acq: 06 Mar 2025 20:20

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#13

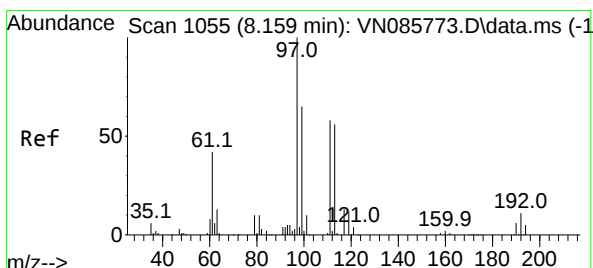
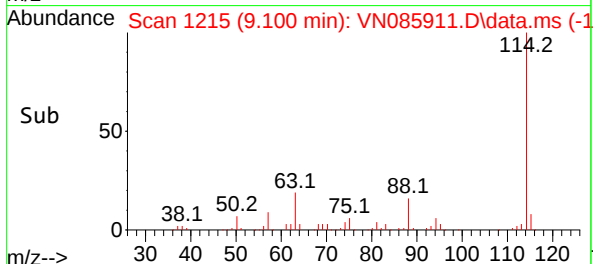
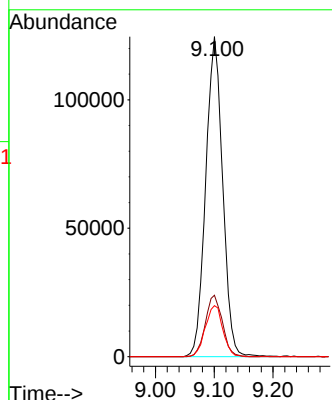
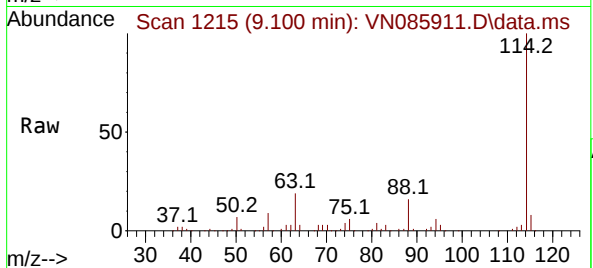
Tgt Ion:114 Resp: 248858

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

88 16.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.139 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085911.D

Acq: 06 Mar 2025 20:20

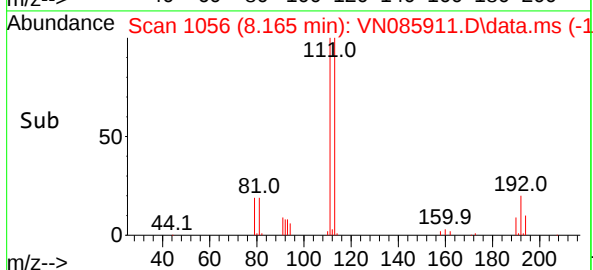
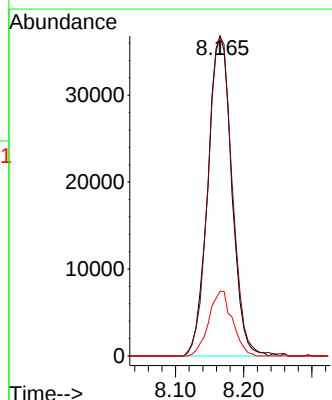
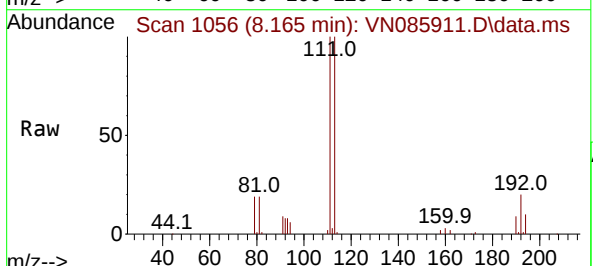
Tgt Ion:113 Resp: 89789

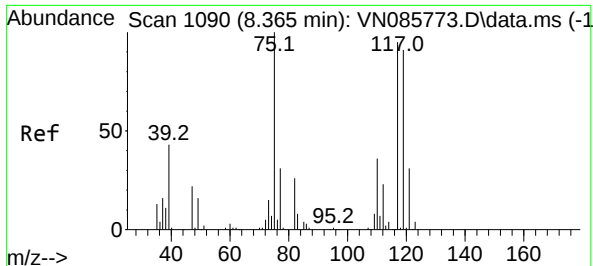
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

192 20.0 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085911.D

Acq: 06 Mar 2025 20:20

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#13

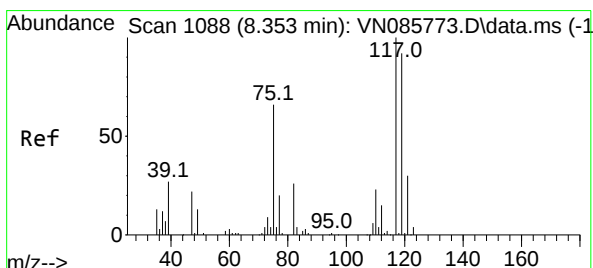
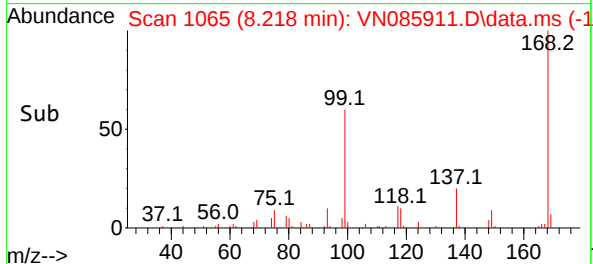
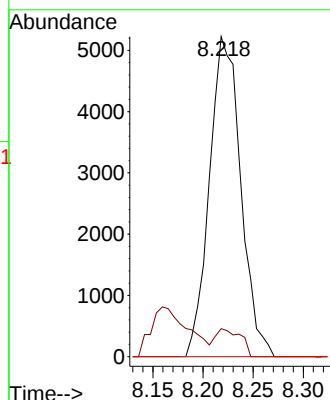
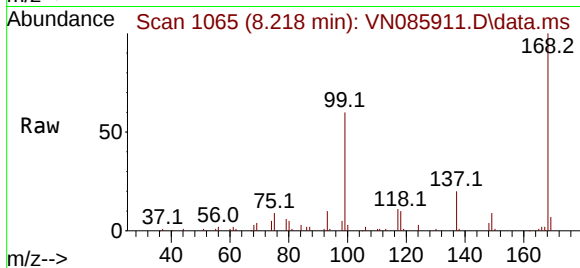
Tgt Ion: 75 Resp: 11314

Ion Ratio Lower Upper

75 100

110 7.0 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.188 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085911.D

Acq: 06 Mar 2025 20:20

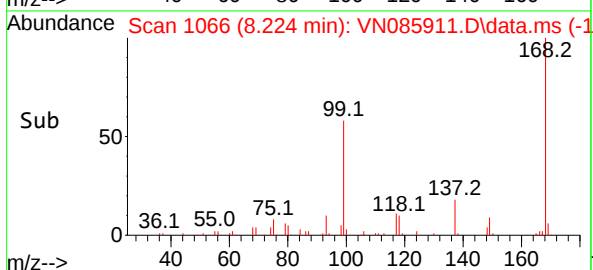
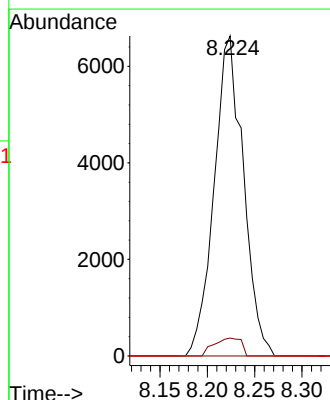
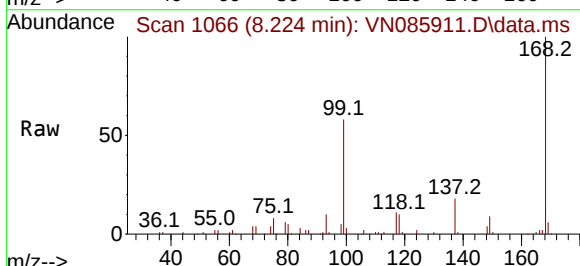
Tgt Ion: 117 Resp: 14208

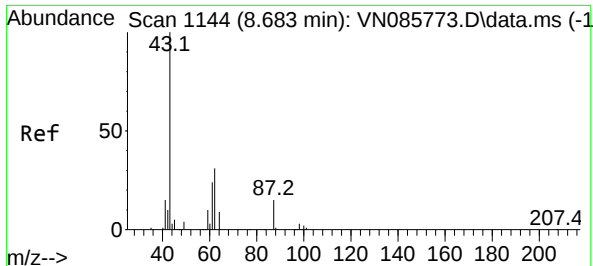
Ion Ratio Lower Upper

117 100

119 5.6 73.8 110.6#

121 0.0 24.3 36.5#

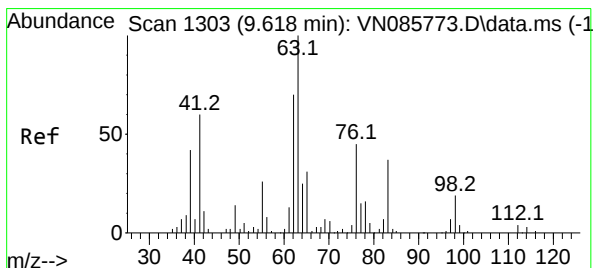
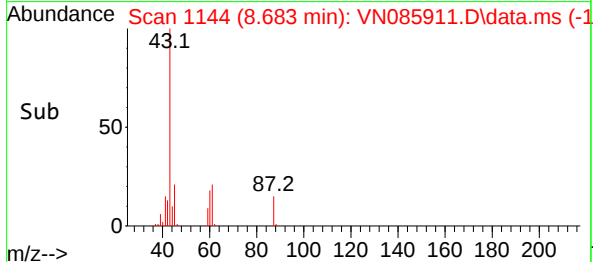
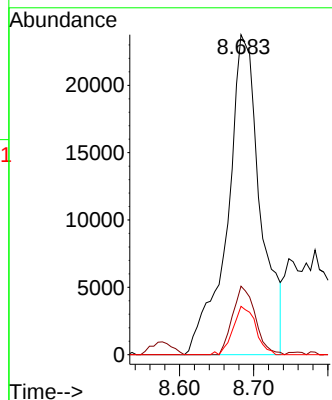
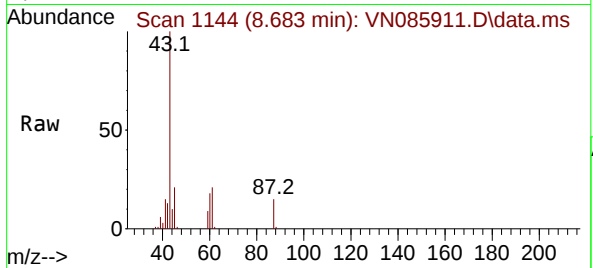




#43
Isopropyl Acetate
Concen: 21.721 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

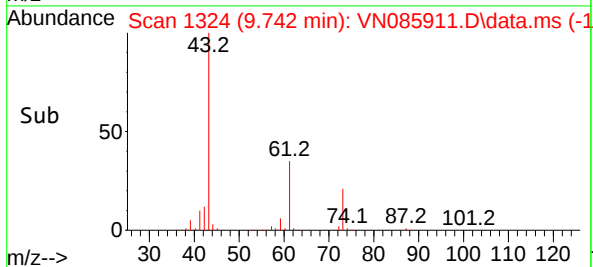
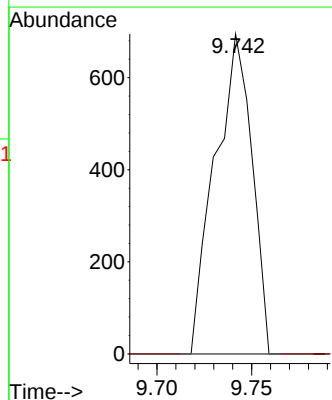
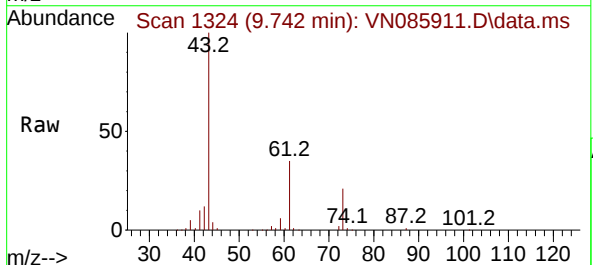
Instrument :
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PB166989ZHE#13

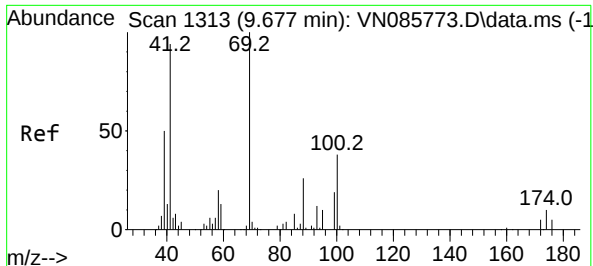
Tgt Ion: 43 Resp: 73325
Ion Ratio Lower Upper
43 100
61 14.8 22.6 34.0#
87 10.3 11.8 17.8#



#45
1,2-Dichloropropane
Concen: 0.529 ug/l
RT: 9.742 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

Tgt Ion: 63 Resp: 944
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

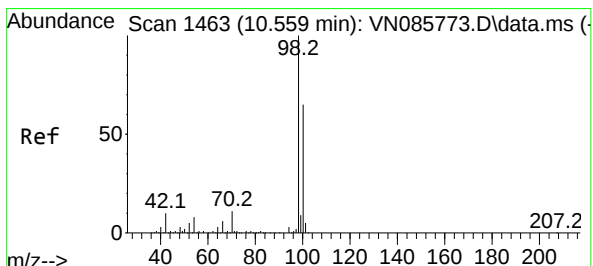
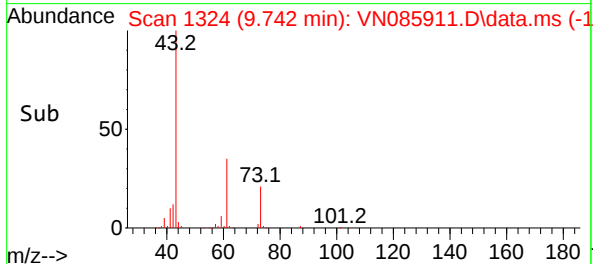
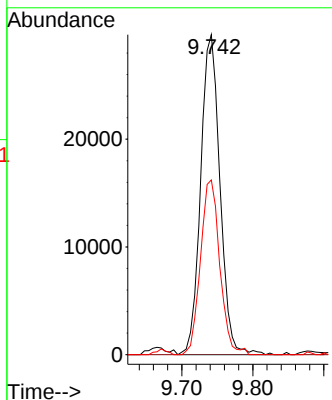
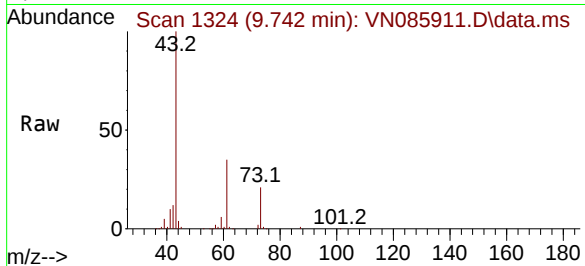




#48
Methyl methacrylate
Concen: 39.902 ug/l
RT: 9.742 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

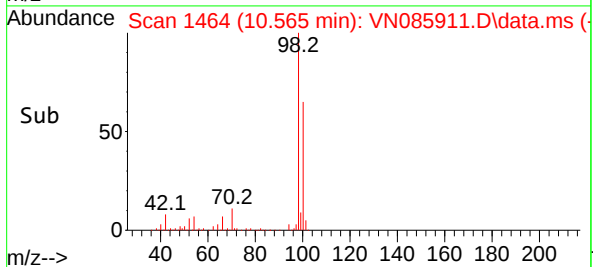
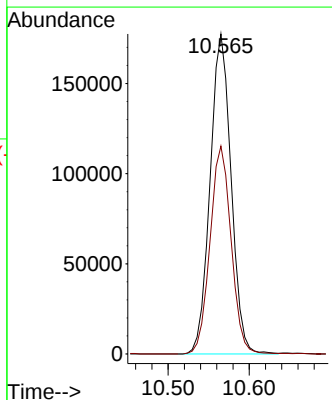
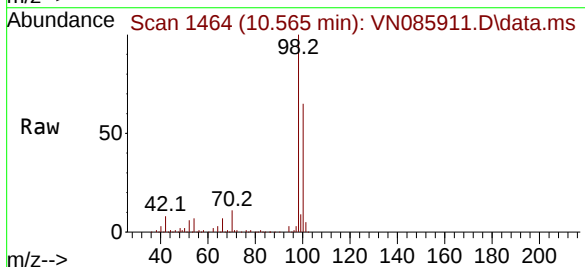
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#13

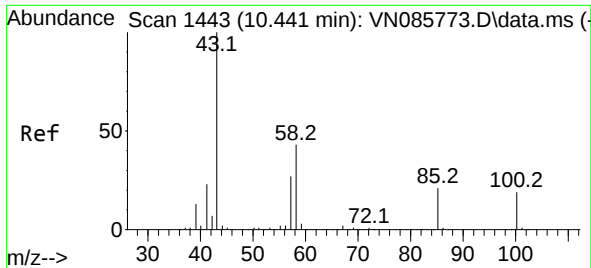
Tgt Ion: 41 Resp: 56202
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 54.5 42.3 63.5



#50
Toluene-d8
Concen: 53.792 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

Tgt Ion: 98 Resp: 318697
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

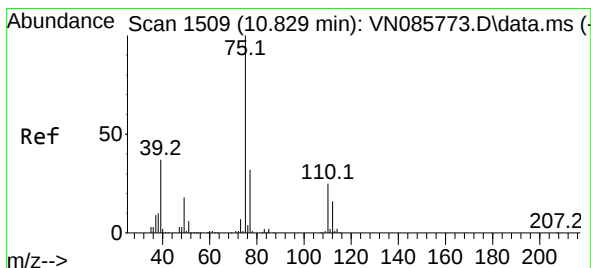
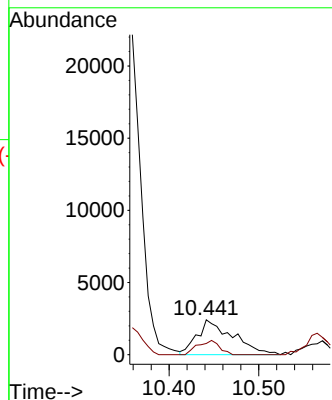
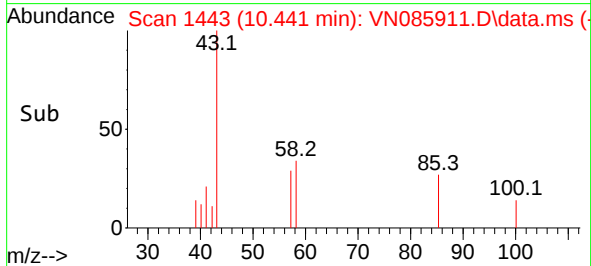
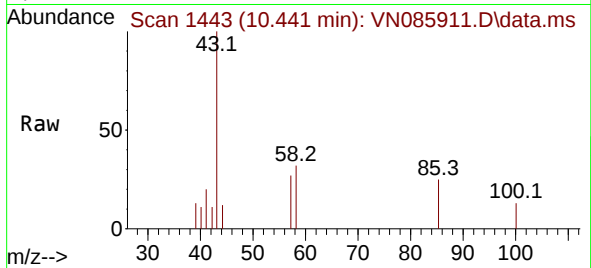




#51
4-Methyl-2-Pentanone
Concen: 3.642 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

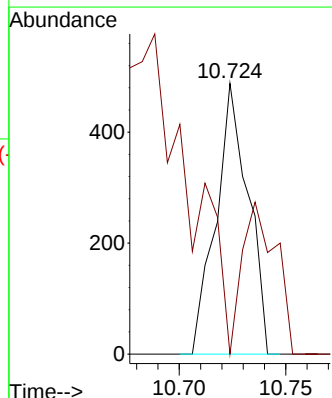
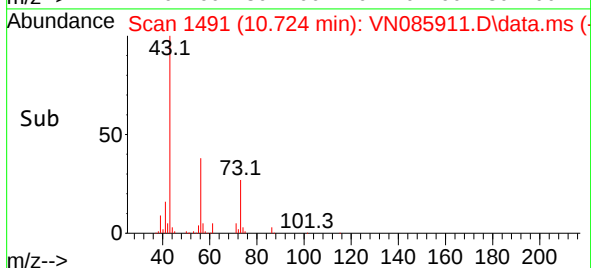
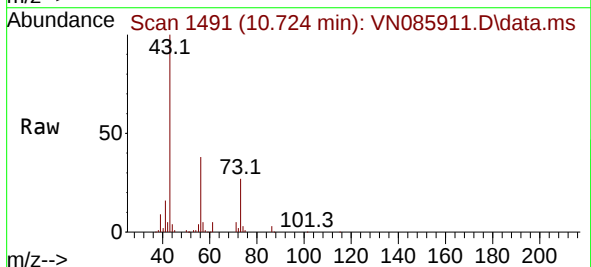
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#13

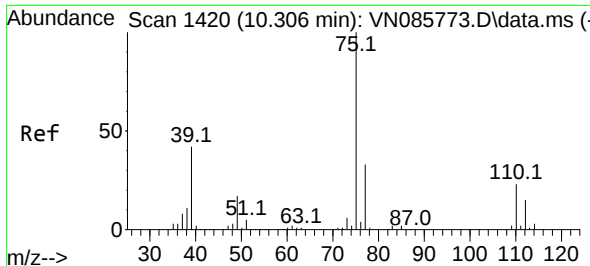
Tgt Ion: 43 Resp: 6660
Ion Ratio Lower Upper
43 100
58 24.8 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.206 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.105 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

Tgt Ion: 75 Resp: 513
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

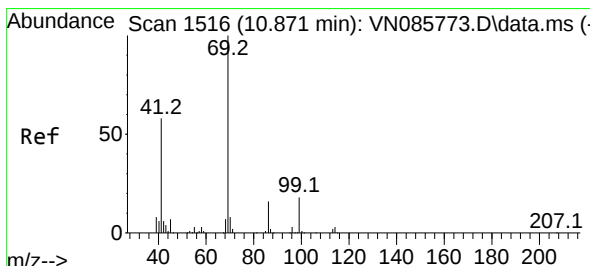
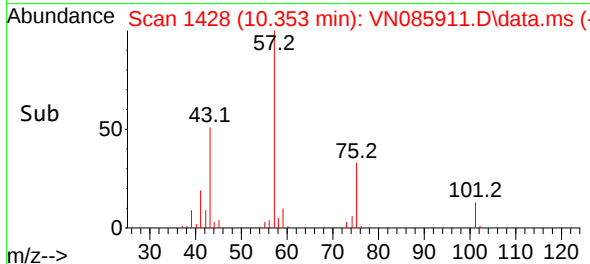
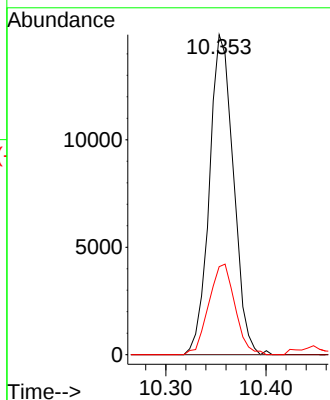
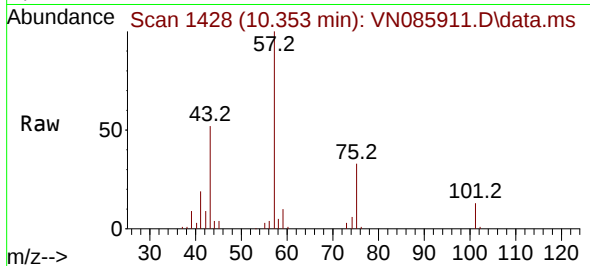




#54
 cis-1,3-Dichloropropene
 Concen: 9.115 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085911.D
 Acq: 06 Mar 2025 20:20

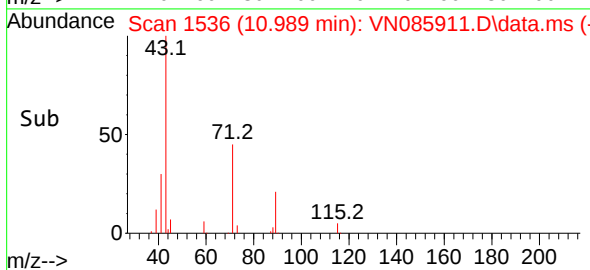
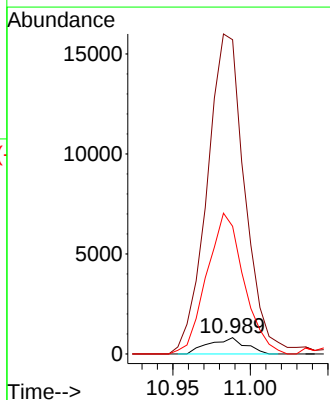
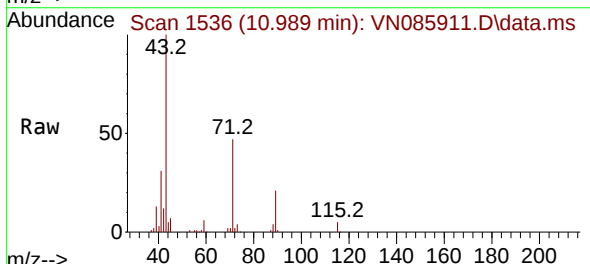
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#13

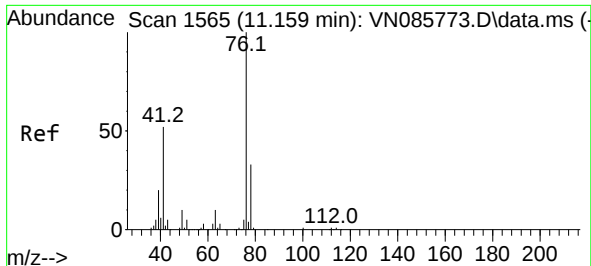
Tgt Ion: 75 Resp: 24868
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 27.5 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.056 ug/l
 RT: 10.989 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN085911.D
 Acq: 06 Mar 2025 20:20

Tgt Ion: 69 Resp: 1324
 Ion Ratio Lower Upper
 69 100
 41 2061.0 46.0 69.0#
 39 886.0 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.103 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085911.D

Acq: 06 Mar 2025 20:20

Instrument :

MSVOA_N

ClientSampleId :

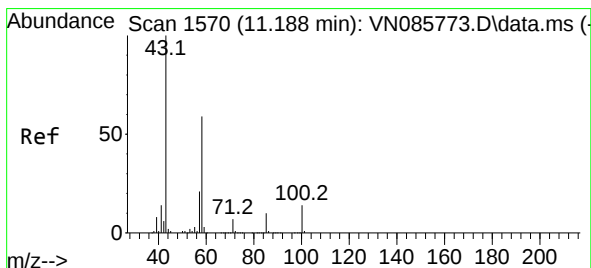
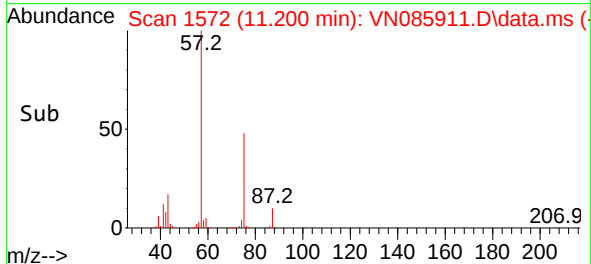
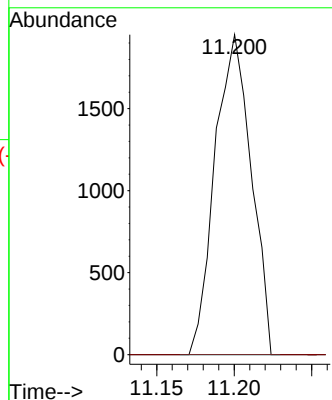
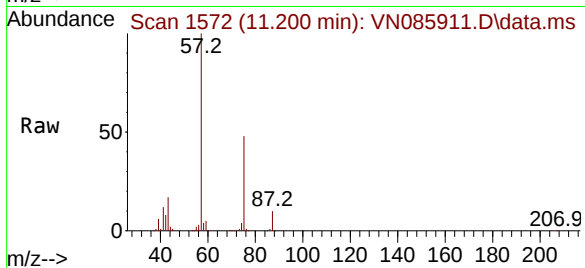
PB166989ZHE#13

Tgt Ion: 76 Resp: 3171

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 28.981 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085911.D

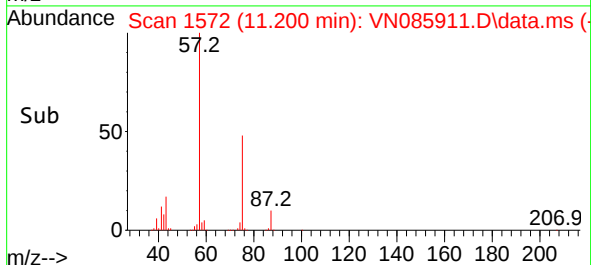
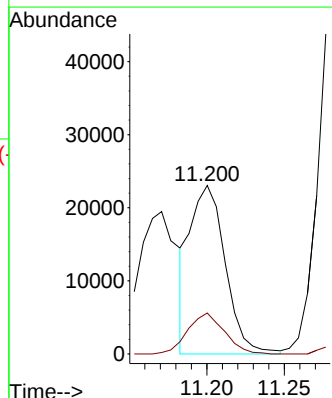
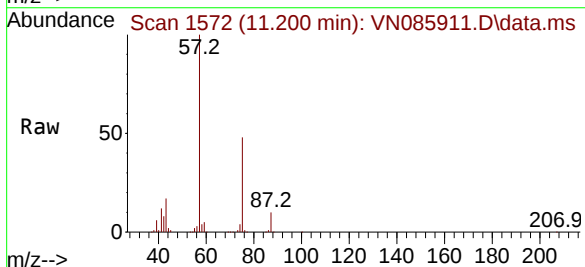
Acq: 06 Mar 2025 20:20

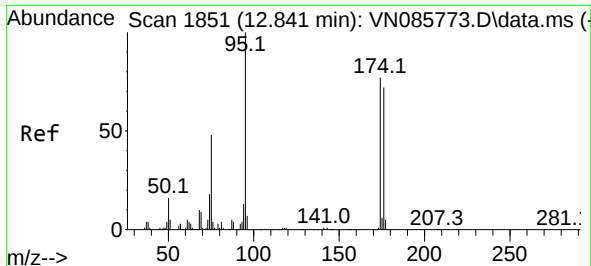
Tgt Ion: 43 Resp: 36457

Ion Ratio Lower Upper

43 100

58 25.3 29.8 89.5#

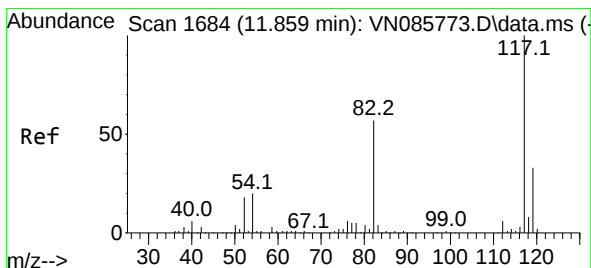
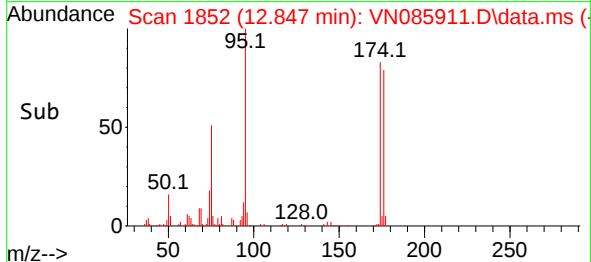
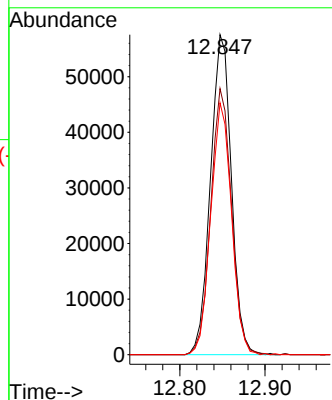
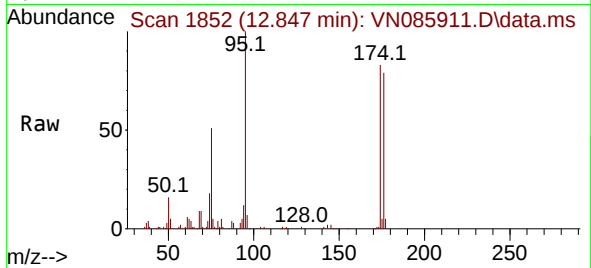




#62
4-Bromofluorobenzene
Concen: 50.244 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

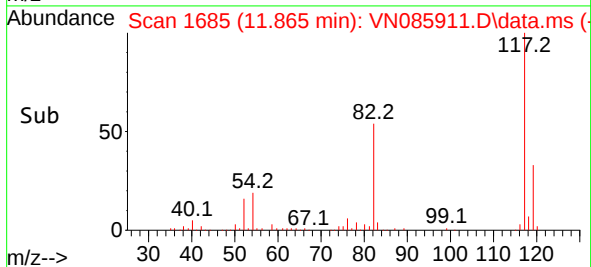
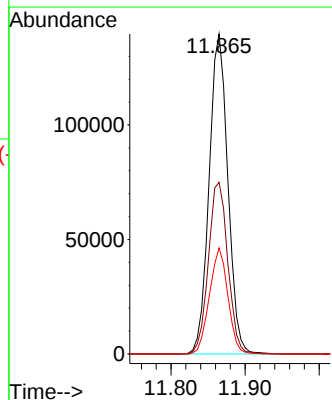
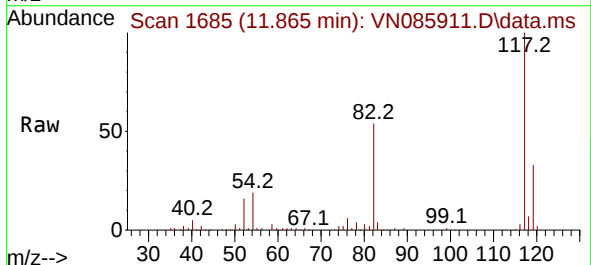
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#13

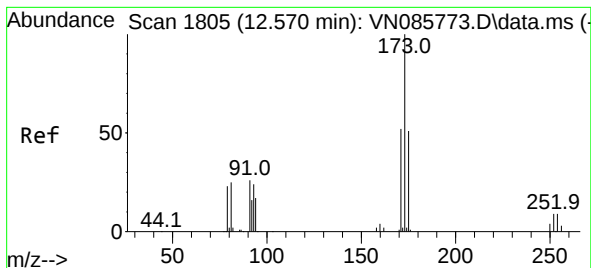
Tgt Ion: 95 Resp: 98078
Ion Ratio Lower Upper
95 100
174 82.9 0.0 152.4
176 78.2 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

Tgt Ion: 117 Resp: 245749
Ion Ratio Lower Upper
117 100
82 53.7 45.7 68.5
119 33.2 26.2 39.2





#71

Bromoform

Concen: 0.362 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN085911.D

Acq: 06 Mar 2025 20:20

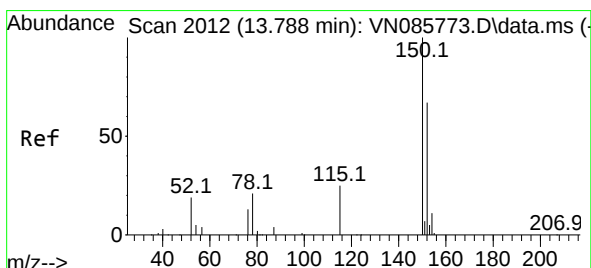
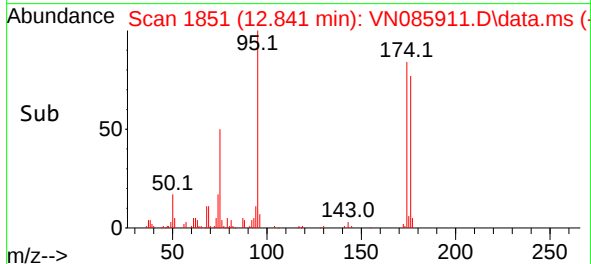
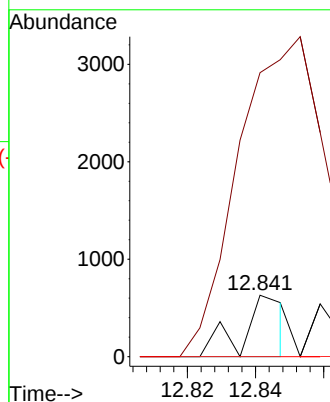
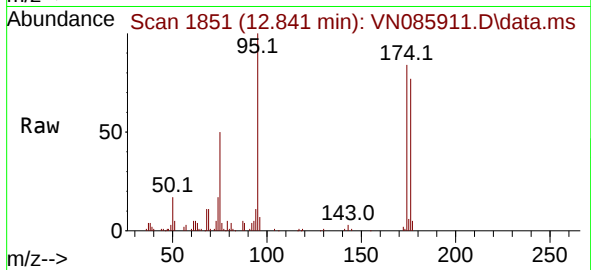
Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#13

Tgt Ion:173	Resp:	545
Ion Ratio	Lower	Upper
173	100	
175	0.0	25.1 75.4#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

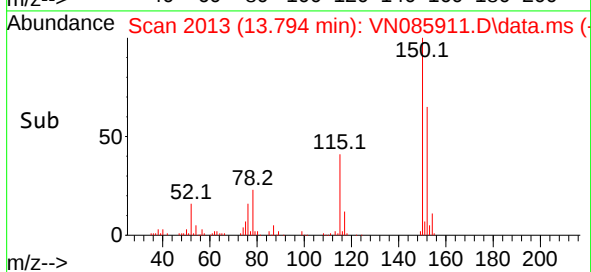
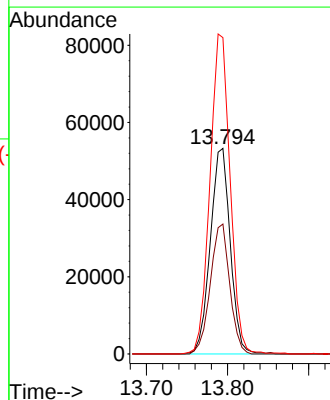
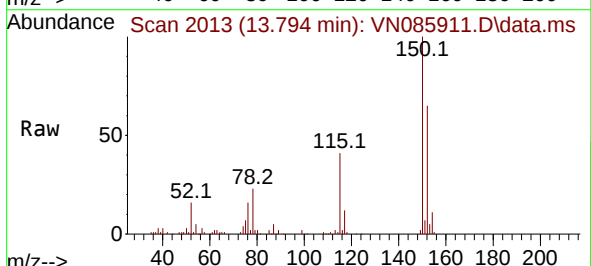
RT: 13.794 min Scan# 2013

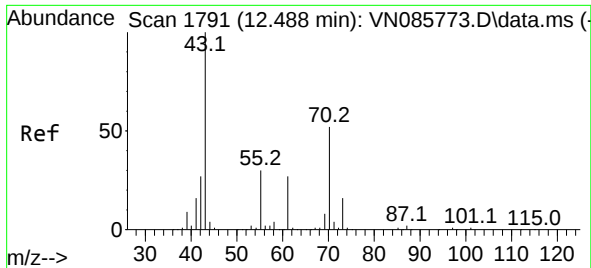
Delta R.T. 0.006 min

Lab File: VN085911.D

Acq: 06 Mar 2025 20:20

Tgt Ion:152	Resp:	90842
Ion Ratio	Lower	Upper
152	100	
115	61.4	30.4 91.3
150	157.1	0.0 345.4

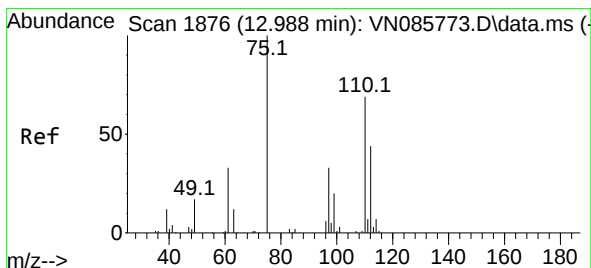
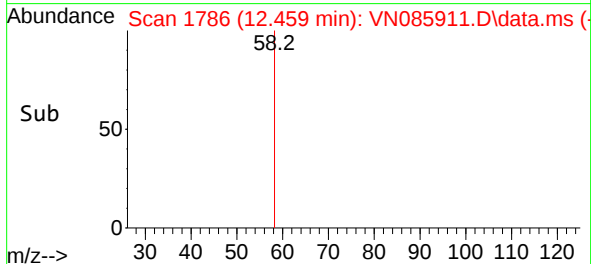
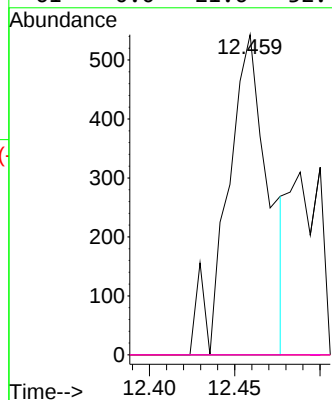
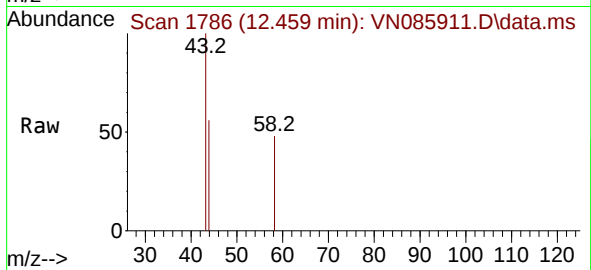




#74
N-amy1 acetate
Concen: 0.413 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

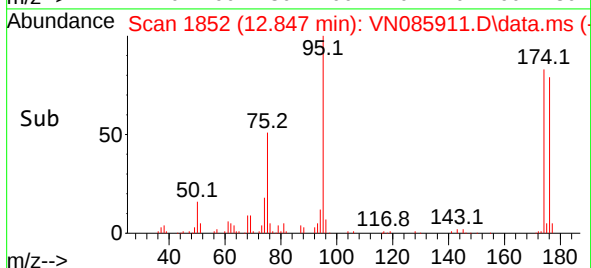
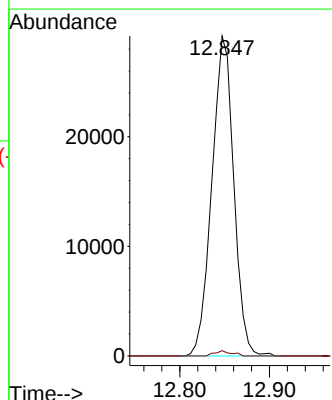
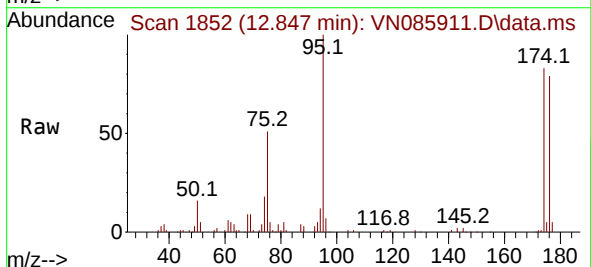
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#13

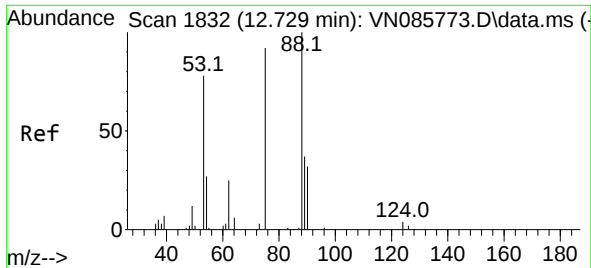
Tgt Ion: 43	Resp: 906
Ion Ratio	Lower Upper
43 100	
70 0.0	41.0 61.4#
55 0.0	24.6 36.8#
61 0.0	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 24.490 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085911.D
Acq: 06 Mar 2025 20:20

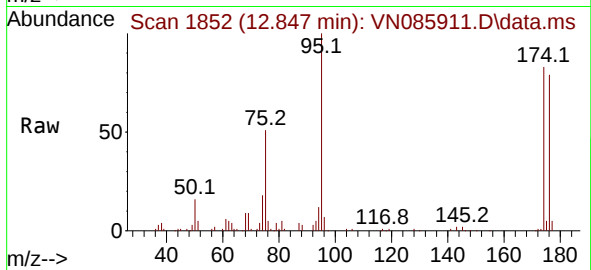
Tgt Ion: 75	Resp:	49419	
Ion Ratio	Lower	Upper	
75 100			
77 1.2	100.0	300.0#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.457 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085911.D
 Acq: 06 Mar 2025 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#13



Tgt Ion: 75 Resp: 49419
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#

