

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086181.D
 Acq On : 31 Mar 2025 19:51
 Operator : JC\MD
 Sample : PB167374ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#05

Quant Time: Apr 01 01:40:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

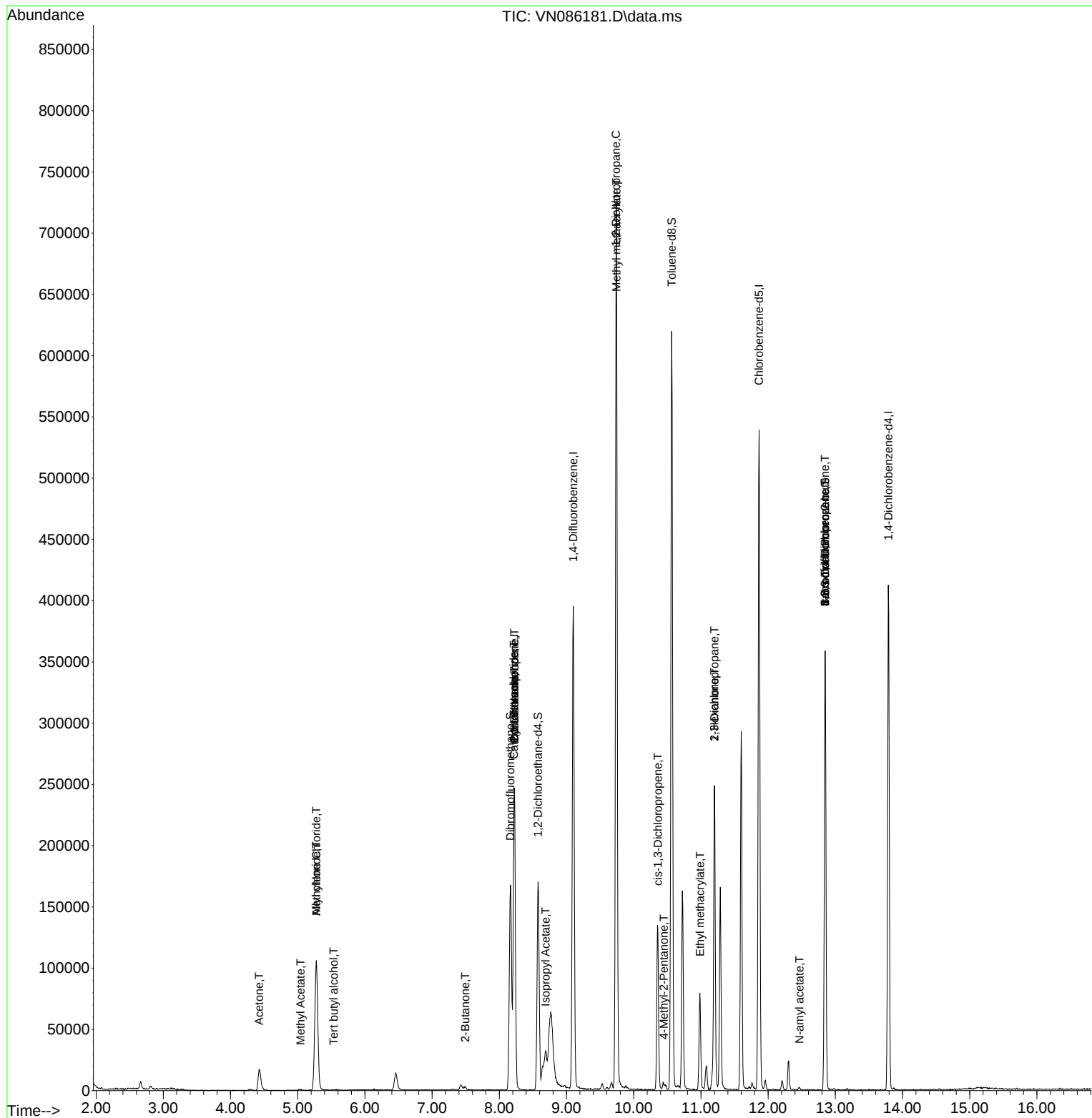
Internal Standards						
1) Pentafluorobenzene	8.224	168	178487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	347453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	328489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138830	56.802	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.600%			
35) Dibromofluoromethane	8.165	113	123757	51.030	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.060%			
50) Toluene-d8	10.565	98	444676	50.522	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.847	95	124595	39.693	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 79.380%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	420	1.214	ug/l #	73
14) Allyl chloride	5.277	41	2130	0.934	ug/l #	20
16) Acetone	4.424	43	32789	43.912	ug/l	93
18) Methyl Acetate	5.042	43	1765	0.955	ug/l #	45
20) Methylene Chloride	5.277	84	89382	40.918	ug/l	100
25) 2-Butanone	7.494	43	4704	4.366	ug/l	94
31) Cyclohexane	8.224	56	3933	1.291	ug/l #	10
36) 1,1-Dichloropropene	8.224	75	14738	4.615	ug/l #	48
38) Carbon Tetrachloride	8.218	117	18912	4.504	ug/l #	17
43) Isopropyl Acetate	8.688	43	42220	7.232	ug/l #	62
45) 1,2-Dichloropropane	9.735	63	849	0.372	ug/l #	44
48) Methyl methacrylate	9.741	41	64319	33.388	ug/l #	32
51) 4-Methyl-2-Pentanone	10.447	43	3095	1.202	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	25531	6.649	ug/l #	70
56) Ethyl methacrylate	10.988	69	743	0.438	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2753	0.690	ug/l #	42
59) 2-Hexanone	11.200	43	39765	21.201	ug/l #	44
71) Bromoform	12.847	173	1187	0.508	ug/l #	1
74) N-amyl acetate	12.465	43	1876	0.692	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	60875	22.921	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60875	60.598	ug/l #	16

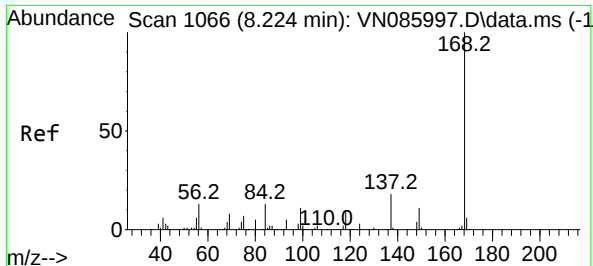
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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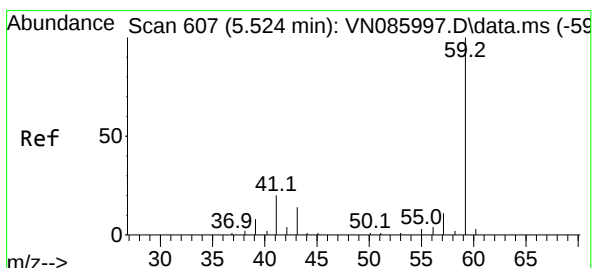
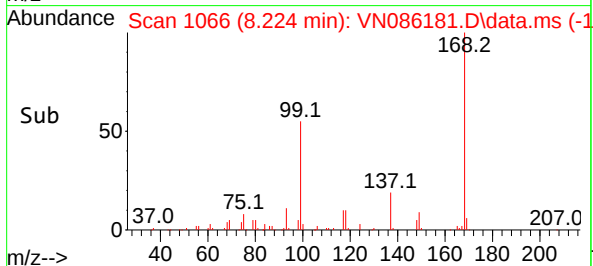
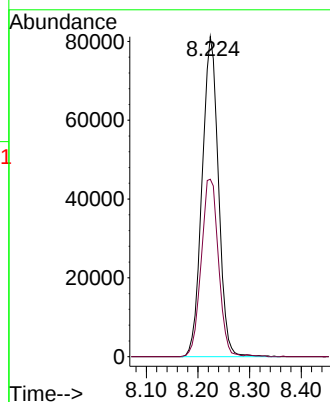
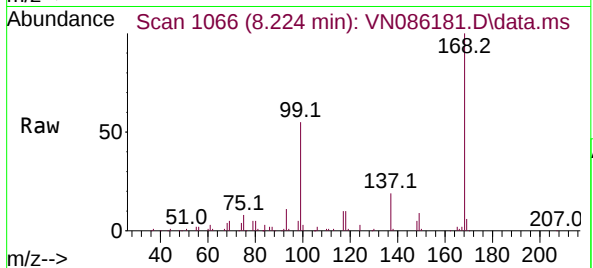




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

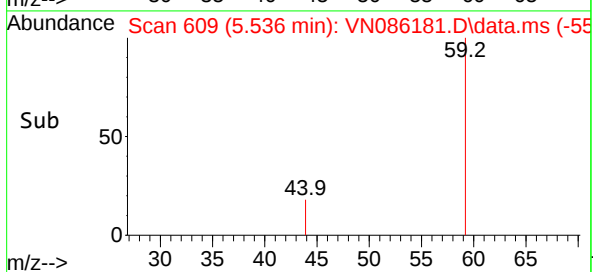
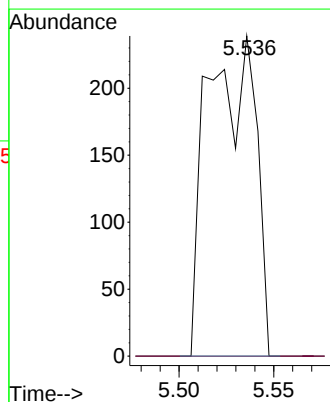
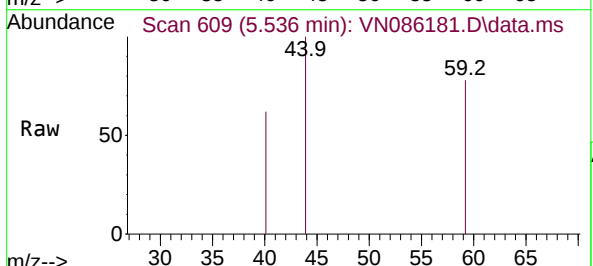
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#05

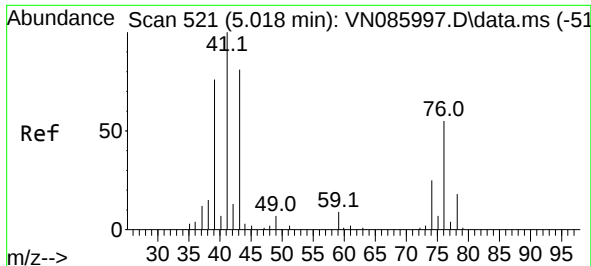
Tgt Ion:168 Resp: 178487
Ion Ratio Lower Upper
168 100
99 55.4 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.214 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

Tgt Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

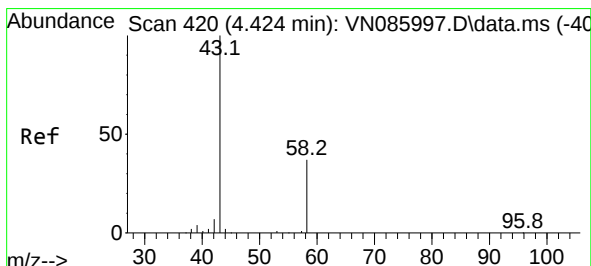
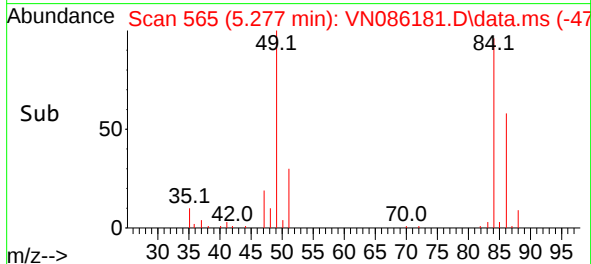
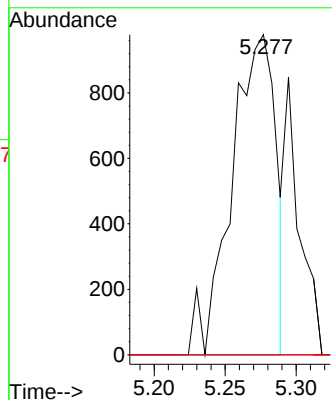
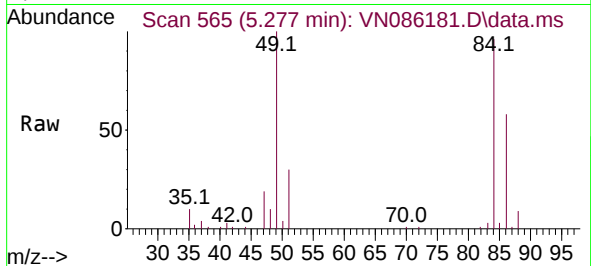




#14
 Allyl chloride
 Concen: 0.934 ug/l
 RT: 5.277 min Scan# 501
 Delta R.T. 0.259 min
 Lab File: VN086181.D
 Acq: 31 Mar 2025 19:51

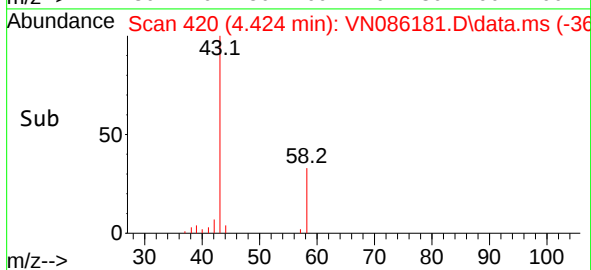
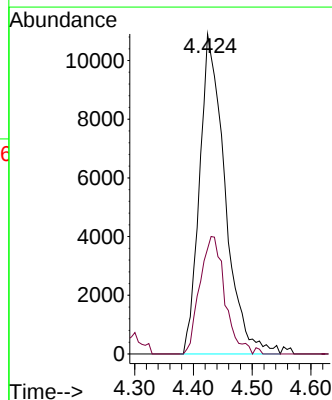
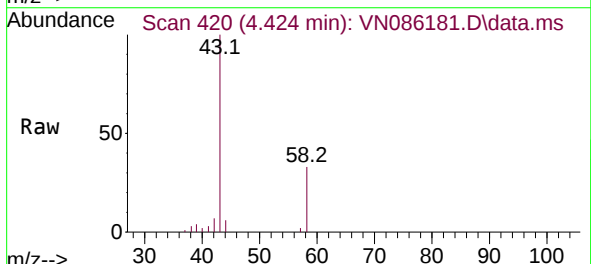
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#05

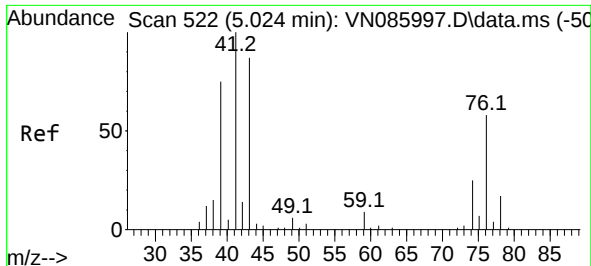
Tgt Ion: 41 Resp: 2130
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.5 83.3#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 43.912 ug/l
 RT: 4.424 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: VN086181.D
 Acq: 31 Mar 2025 19:51

Tgt Ion: 43 Resp: 32789
 Ion Ratio Lower Upper
 43 100
 58 32.9 29.4 44.2

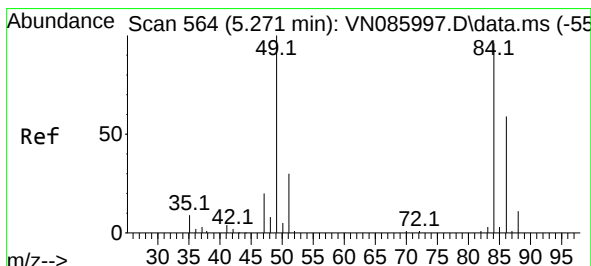
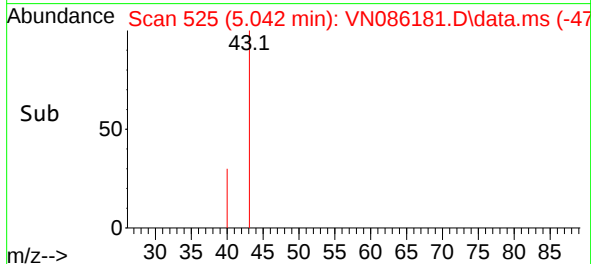
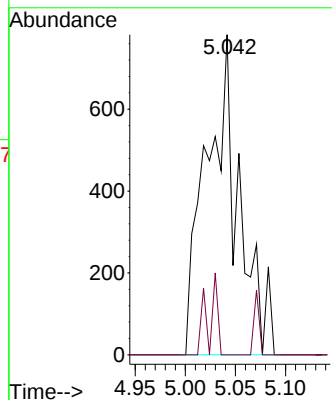
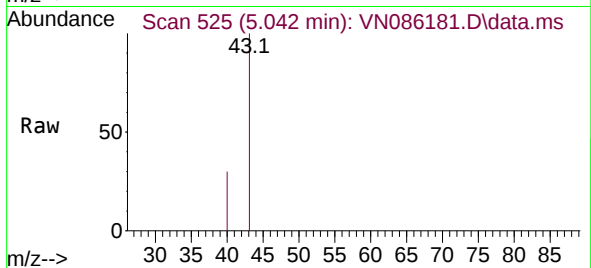




#18
Methyl Acetate
Concen: 0.955 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

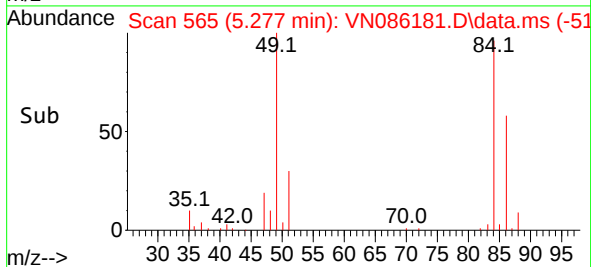
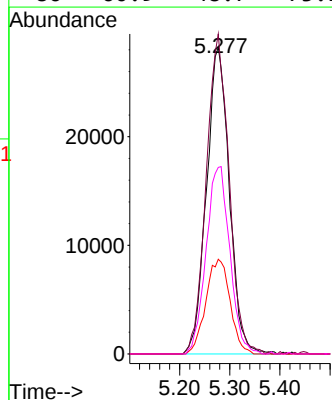
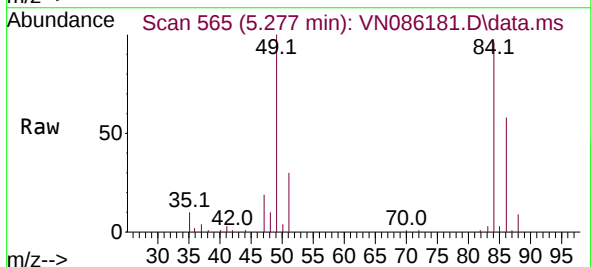
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#05

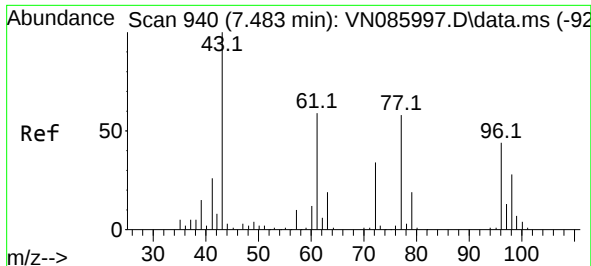
Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
74 0.0 23.9 35.9#



#20
Methylene Chloride
Concen: 40.918 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

Tgt Ion: 84 Resp: 89382
Ion Ratio Lower Upper
84 100
49 104.4 83.3 124.9
51 30.9 24.8 37.2
86 60.9 48.7 73.1

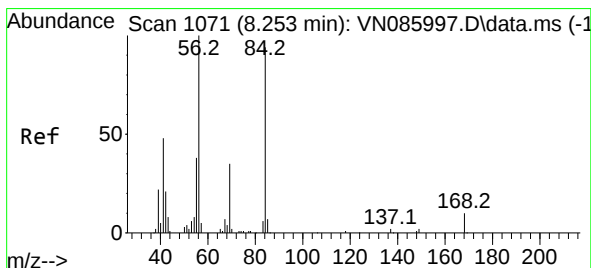
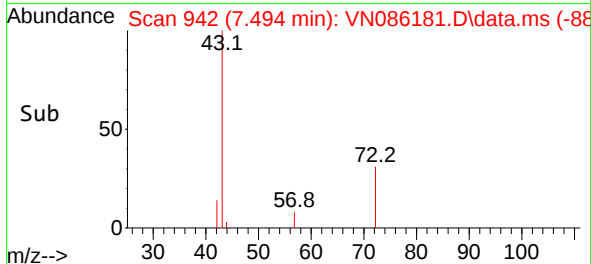
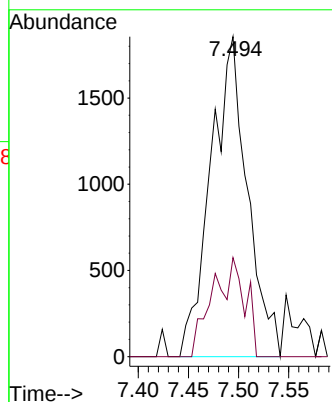
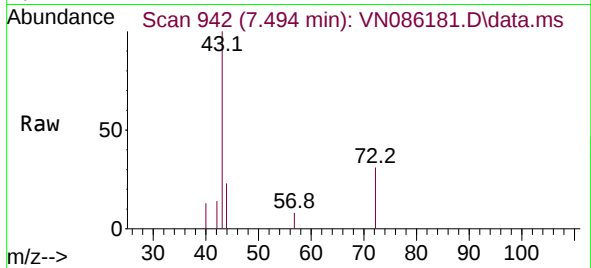




#25
2-Butanone
Concen: 4.366 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

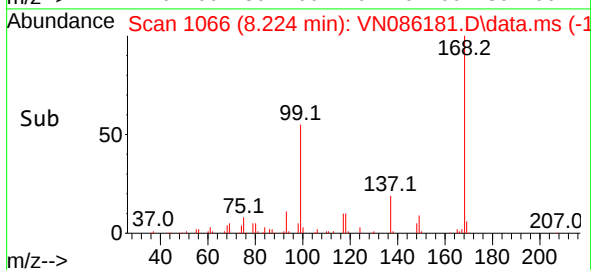
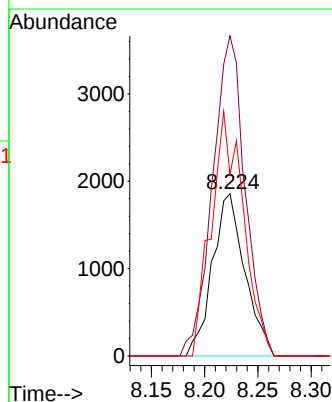
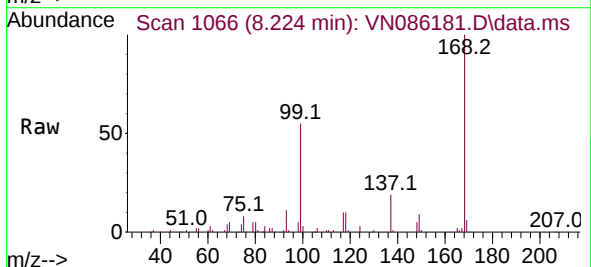
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#05

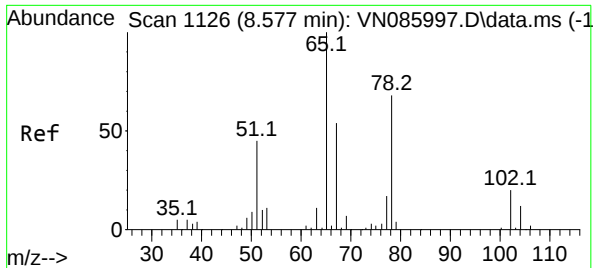
Tgt Ion: 43 Resp: 4704
Ion Ratio Lower Upper
43 100
72 30.9 27.4 41.0



#31
Cyclohexane
Concen: 1.291 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

Tgt Ion: 56 Resp: 3933
Ion Ratio Lower Upper
56 100
69 197.2 28.0 42.0#
84 111.8 75.0 112.6





#33

1,2-Dichloroethane-d4

Concen: 56.802 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086181.D

Acq: 31 Mar 2025 19:51

Instrument :

MSVOA_N

ClientSampleId :

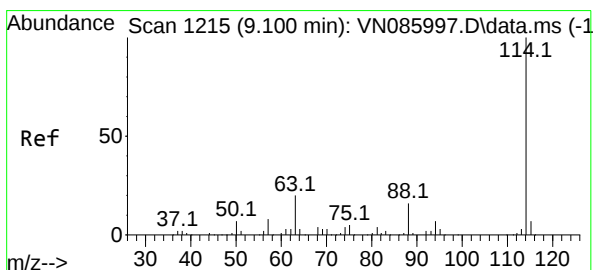
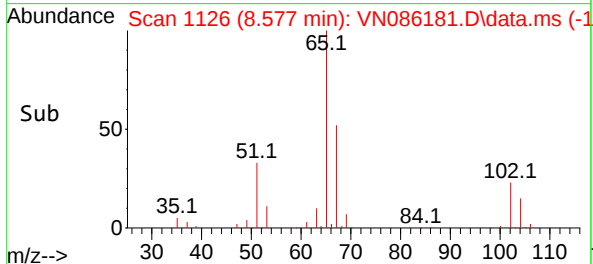
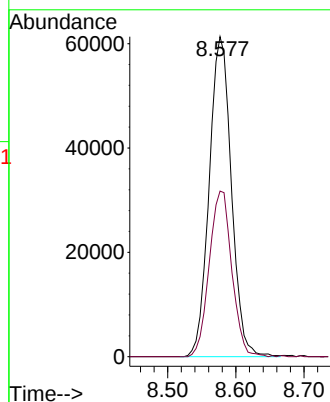
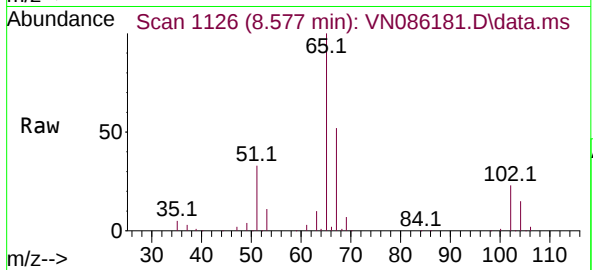
PB167374ZHE#05

Tgt Ion: 65 Resp: 138830

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086181.D

Acq: 31 Mar 2025 19:51

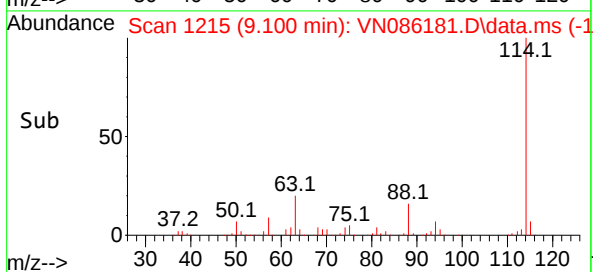
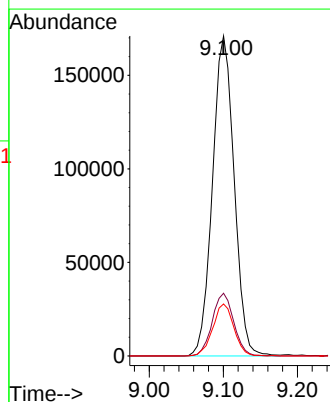
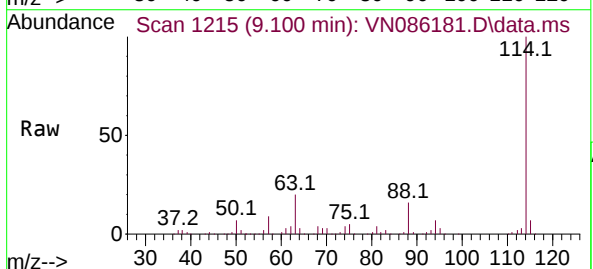
Tgt Ion: 114 Resp: 347453

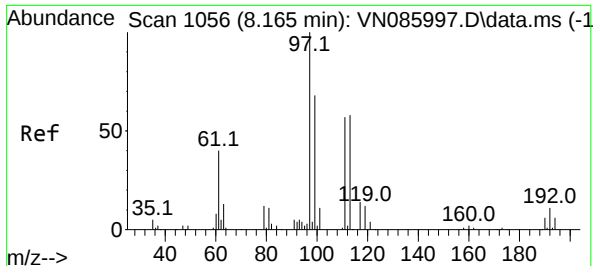
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.030 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086181.D

Acq: 31 Mar 2025 19:51

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#05

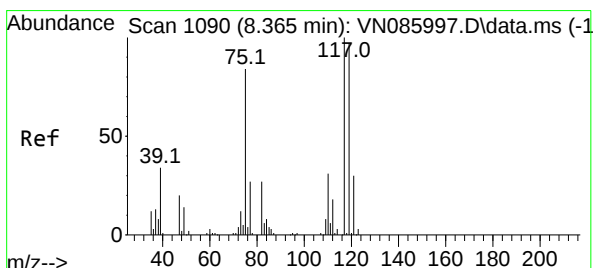
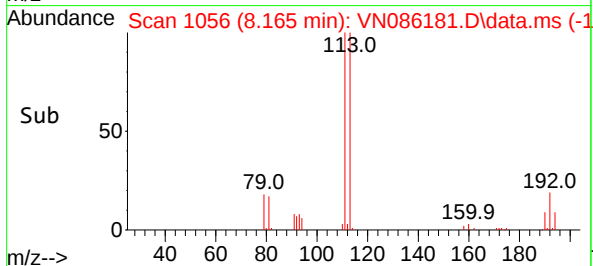
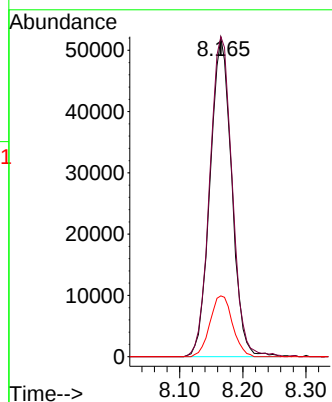
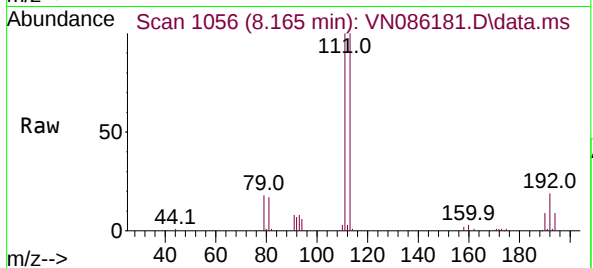
Tgt Ion:113 Resp: 123757

Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.8

192 19.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.615 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086181.D

Acq: 31 Mar 2025 19:51

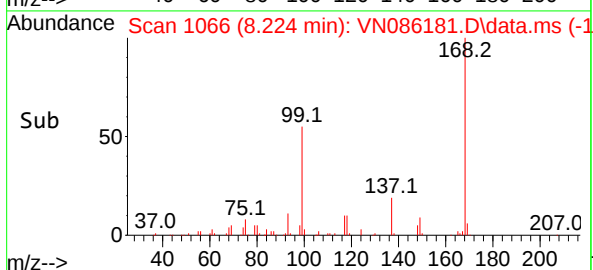
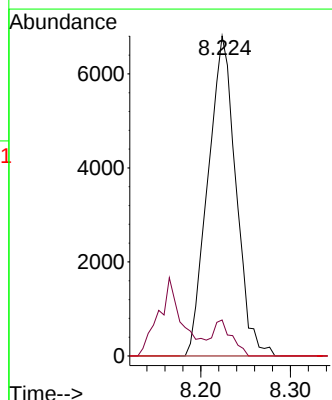
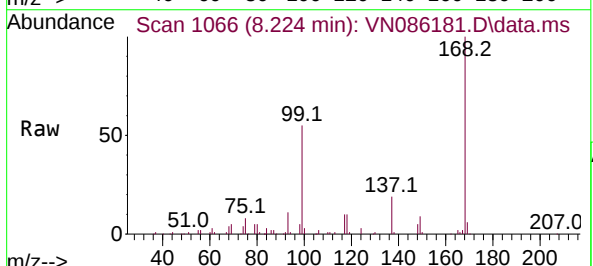
Tgt Ion: 75 Resp: 14738

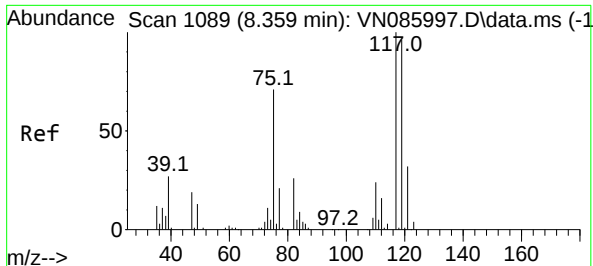
Ion Ratio Lower Upper

75 100

110 7.5 17.8 53.3#

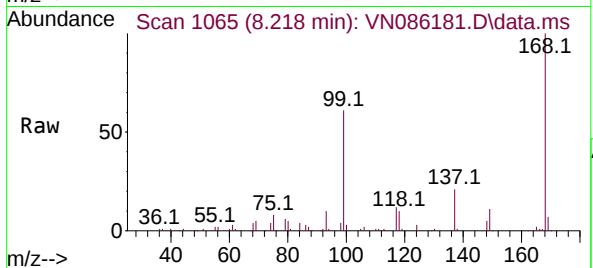
77 0.0 25.0 37.4#



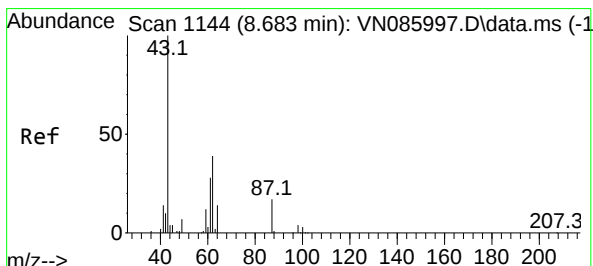
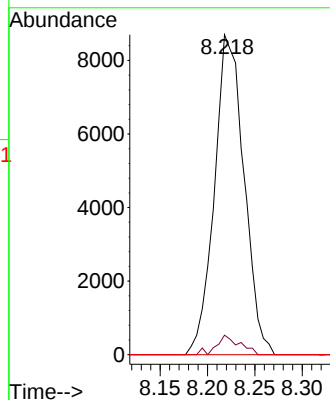
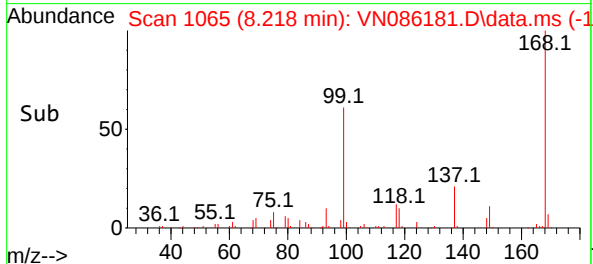


#38
Carbon Tetrachloride
Concen: 4.504 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

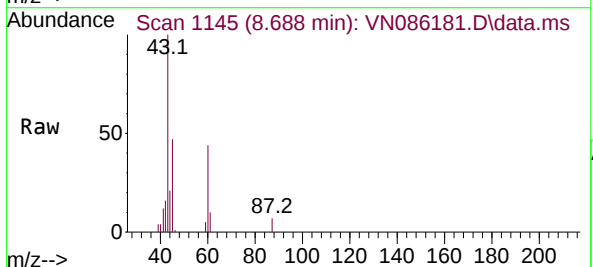
Instrument :
MSVOA_N
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PB167374ZHE#05



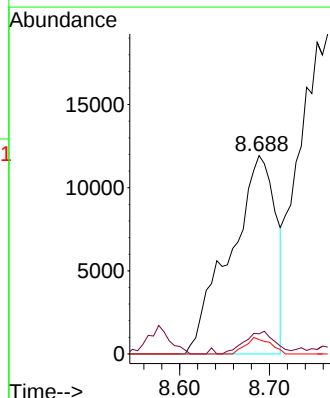
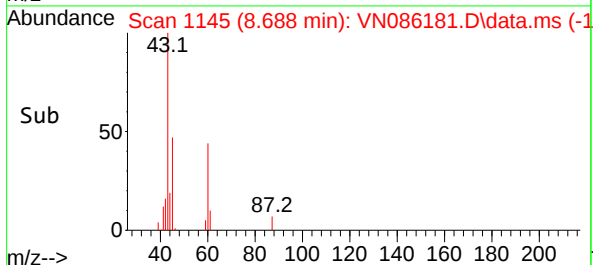
Tgt Ion:117 Resp: 18912
Ion Ratio Lower Upper
117 100
119 6.1 77.0 115.4#
121 0.0 25.6 38.4#

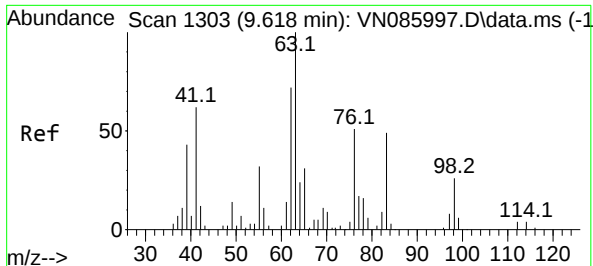


#43
Isopropyl Acetate
Concen: 7.232 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51



Tgt Ion: 43 Resp: 42220
Ion Ratio Lower Upper
43 100
61 7.5 25.0 37.6#
87 4.5 13.0 19.4#





#45

1,2-Dichloropropane

Concen: 0.372 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN086181.D

Acq: 31 Mar 2025 19:51

Instrument :

MSVOA_N

ClientSampleId :

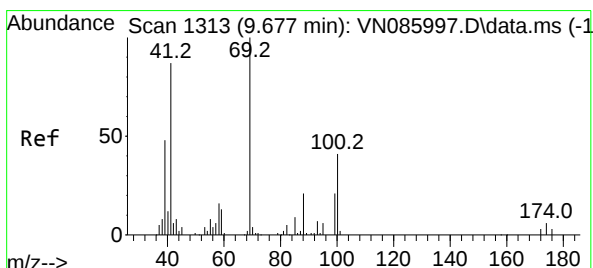
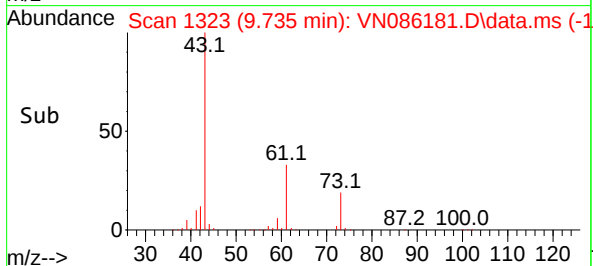
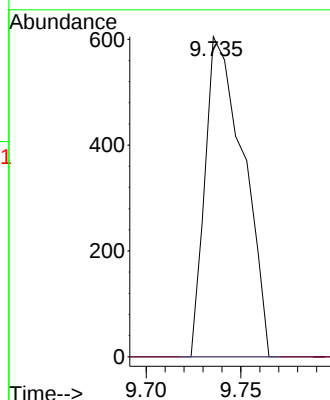
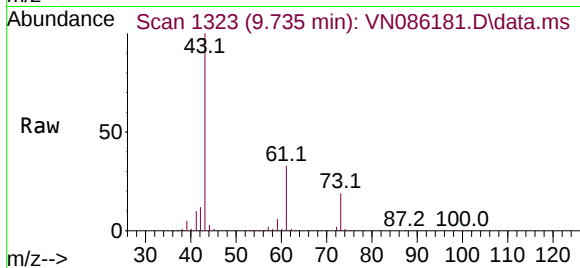
PB167374ZHE#05

Tgt Ion: 63 Resp: 849

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 33.388 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086181.D

Acq: 31 Mar 2025 19:51

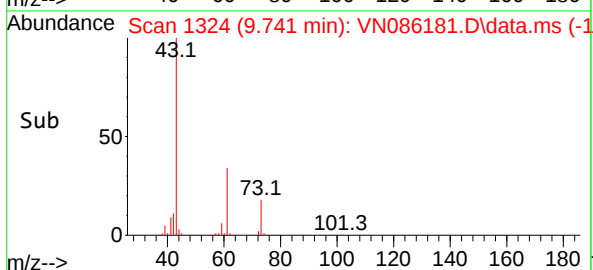
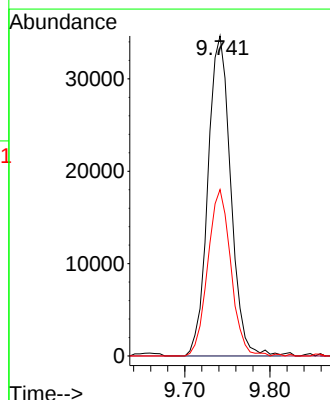
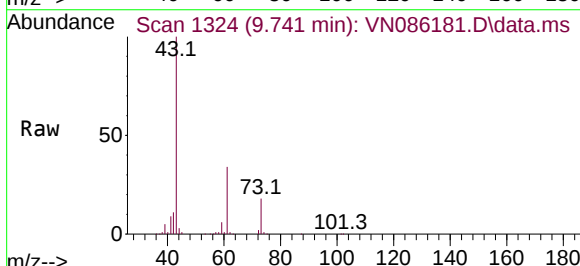
Tgt Ion: 41 Resp: 64319

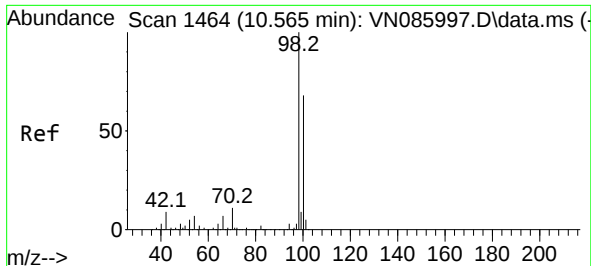
Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 52.5 45.6 68.4

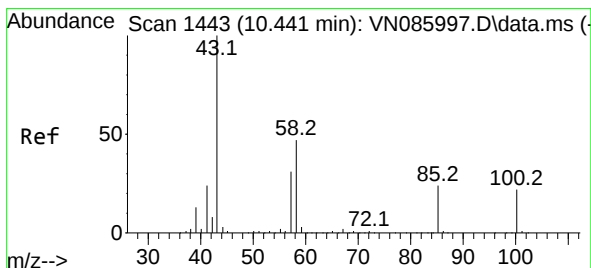
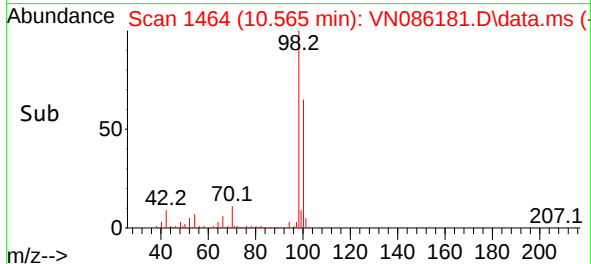
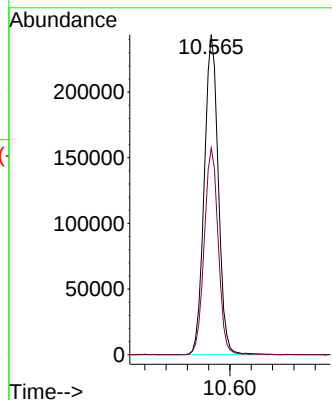
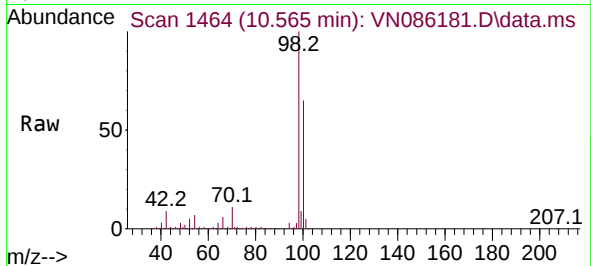




#50
Toluene-d8
Concen: 50.522 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

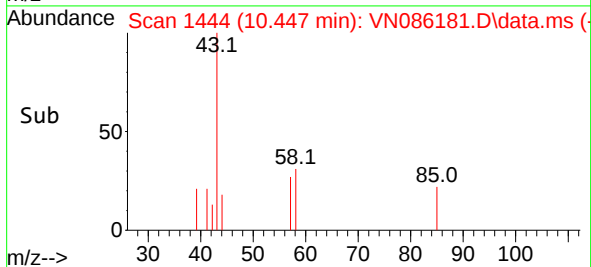
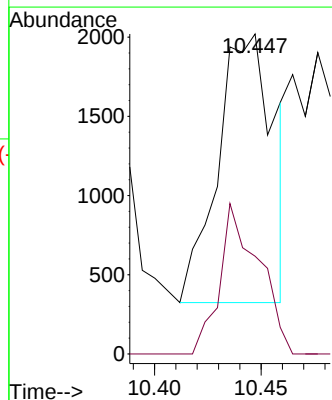
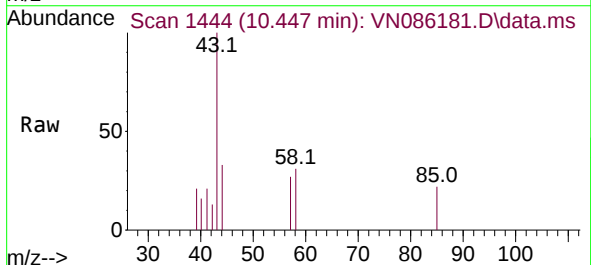
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#05

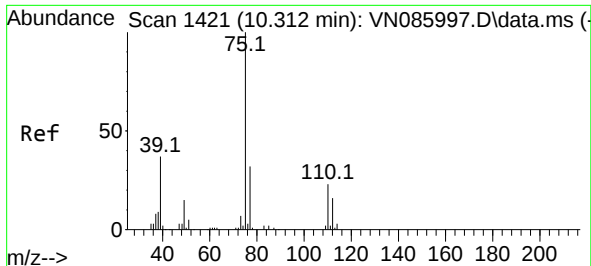
Tgt Ion: 98 Resp: 444676
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.202 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

Tgt Ion: 43 Resp: 3095
Ion Ratio Lower Upper
43 100
58 39.2 37.4 56.0

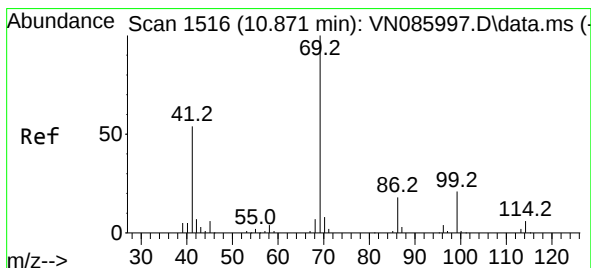
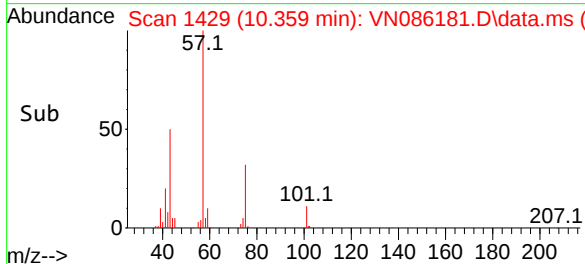
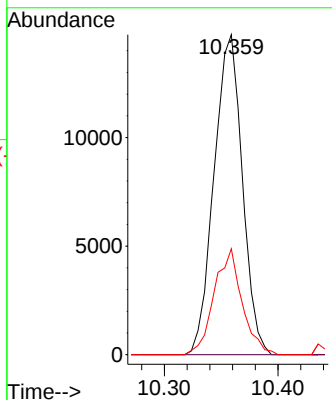
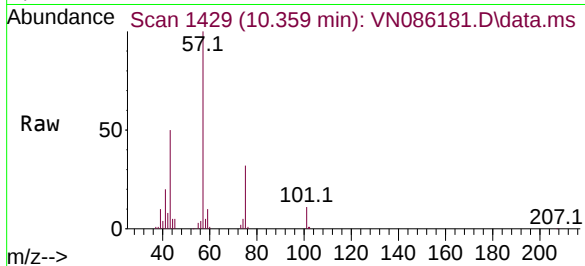




#54
cis-1,3-Dichloropropene
Concen: 6.649 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

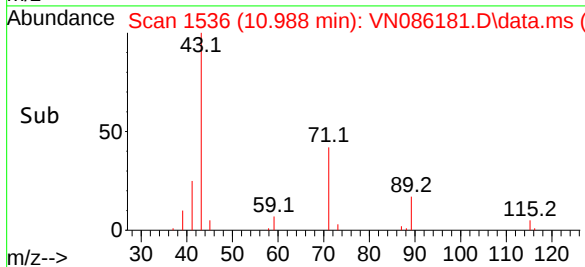
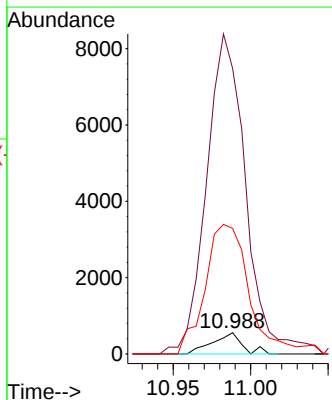
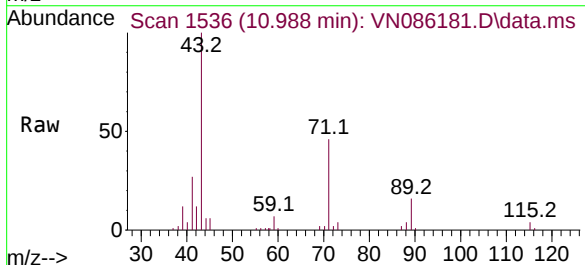
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#05

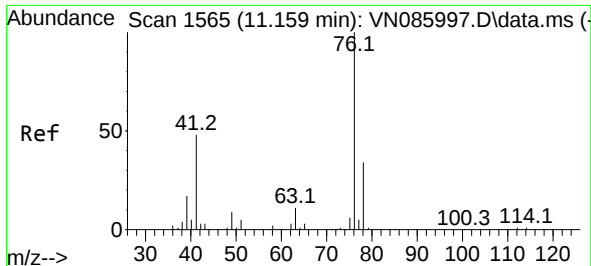
Tgt Ion: 75 Resp: 25531
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 33.1 29.6 44.4



#56
Ethyl methacrylate
Concen: 0.438 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

Tgt Ion: 69 Resp: 743
Ion Ratio Lower Upper
69 100
41 1989.8 41.6 62.4#
39 911.6 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.690 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086181.D

Acq: 31 Mar 2025 19:51

Instrument :

MSVOA_N

ClientSampleId :

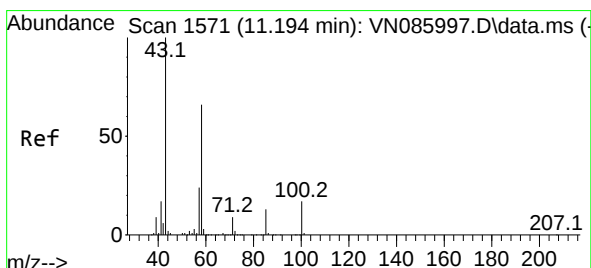
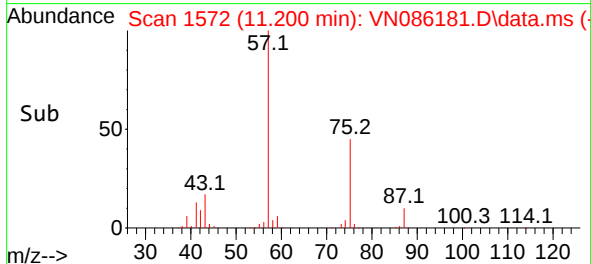
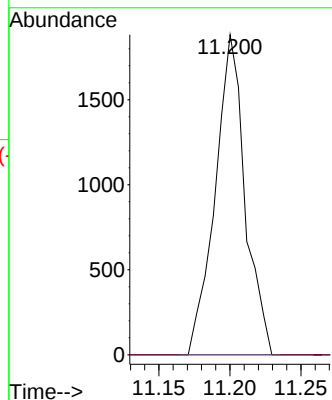
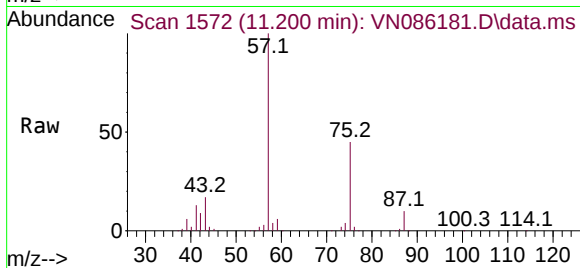
PB167374ZHE#05

Tgt Ion: 76 Resp: 2753

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 21.201 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086181.D

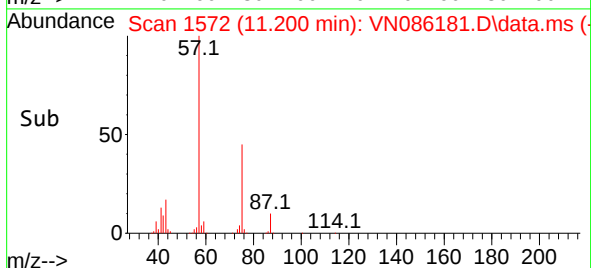
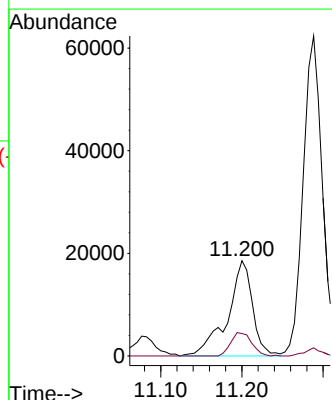
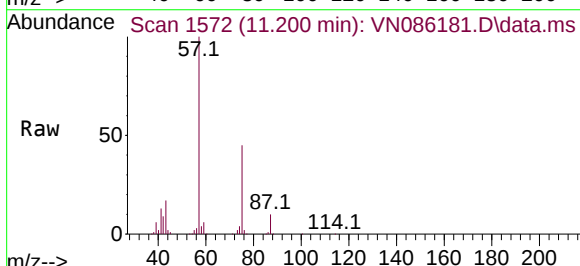
Acq: 31 Mar 2025 19:51

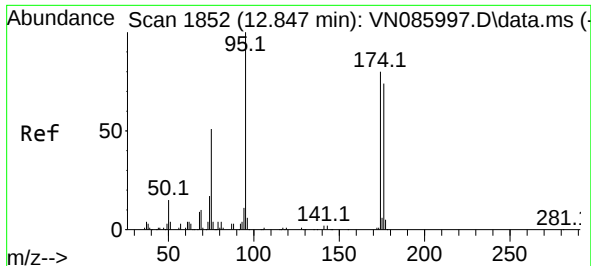
Tgt Ion: 43 Resp: 39765

Ion Ratio Lower Upper

43 100

58 20.5 32.4 97.2#

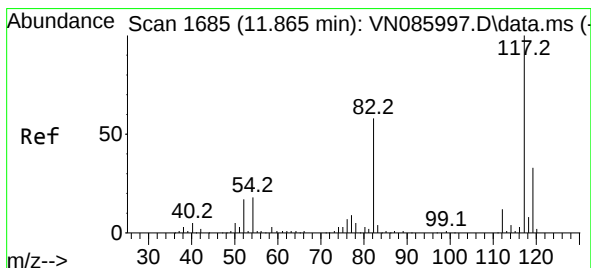
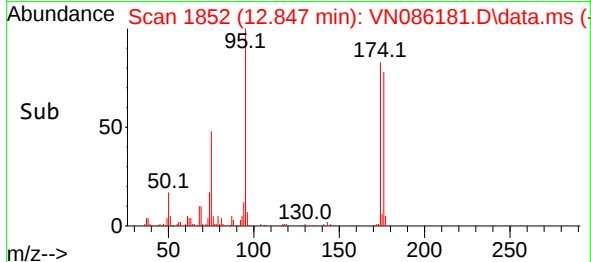
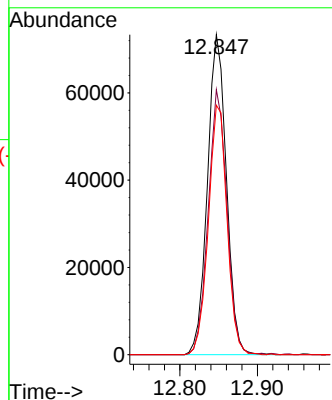
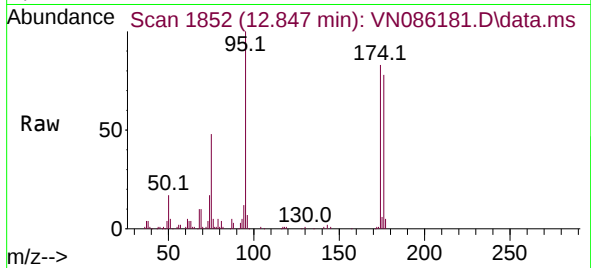




#62
4-Bromofluorobenzene
Concen: 39.693 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

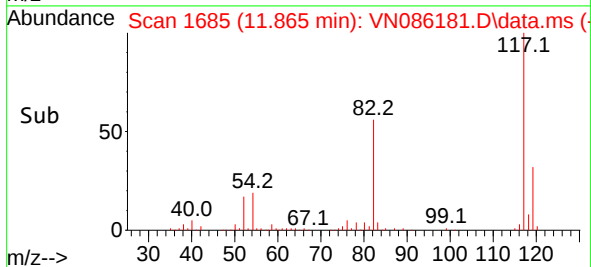
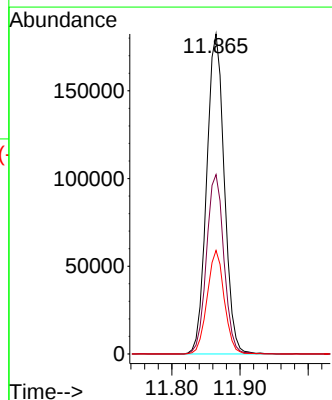
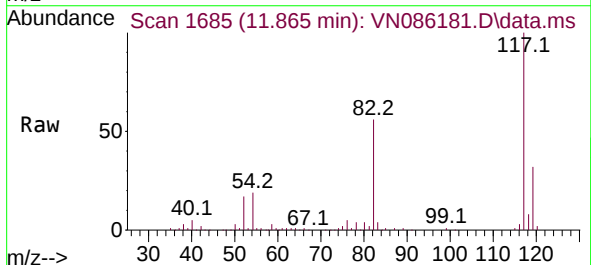
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#05

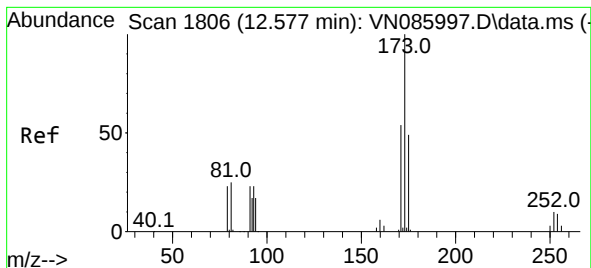
Tgt Ion: 95 Resp: 124595
Ion Ratio Lower Upper
95 100
174 81.8 0.0 156.8
176 76.9 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

Tgt Ion: 117 Resp: 328489
Ion Ratio Lower Upper
117 100
82 56.0 46.7 70.1
119 32.4 26.5 39.7





#71

Bromoform

Concen: 0.508 ug/l

RT: 12.847 min Scan# 1187

Delta R.T. 0.271 min

Lab File: VN086181.D

Acq: 31 Mar 2025 19:51

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#05

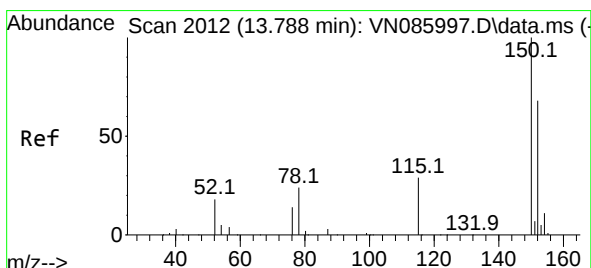
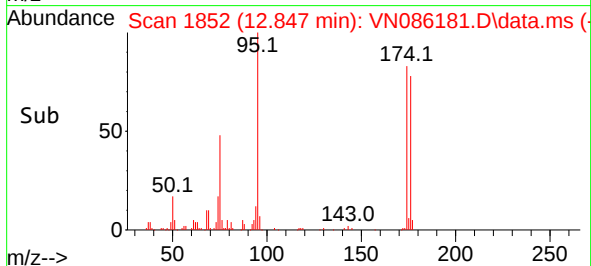
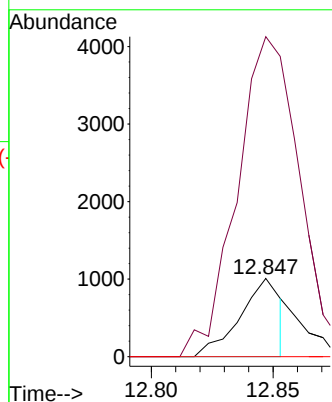
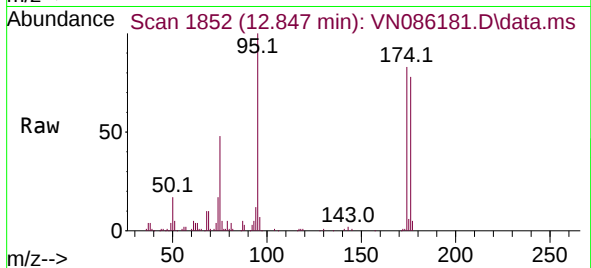
Tgt Ion:173 Resp: 1187

Ion Ratio Lower Upper

173 100

175 463.4 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086181.D

Acq: 31 Mar 2025 19:51

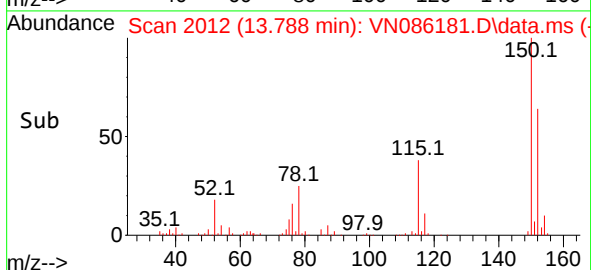
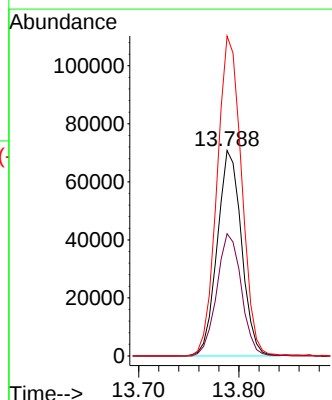
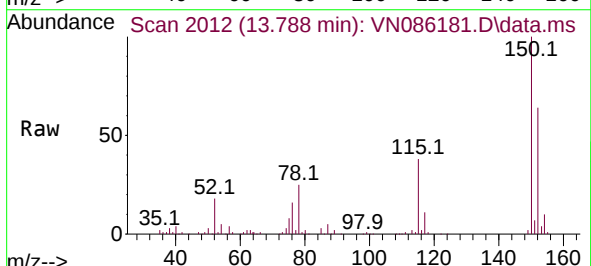
Tgt Ion:152 Resp: 118630

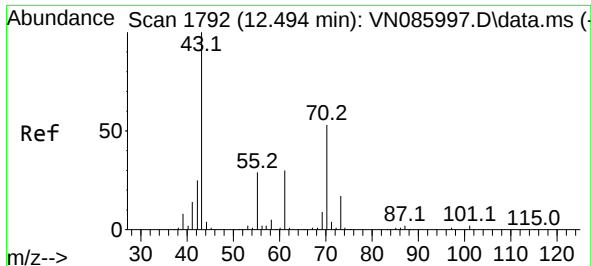
Ion Ratio Lower Upper

152 100

115 60.3 31.1 93.2

150 158.0 0.0 359.6

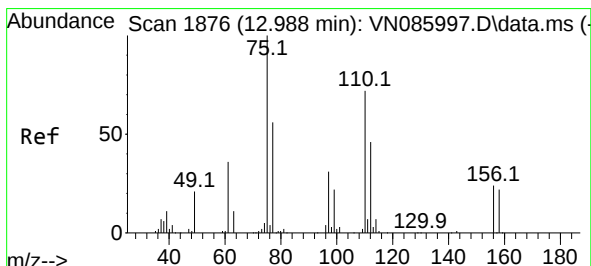
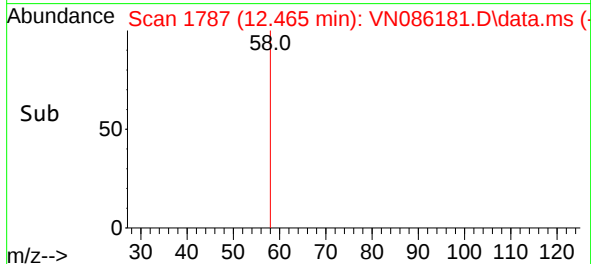
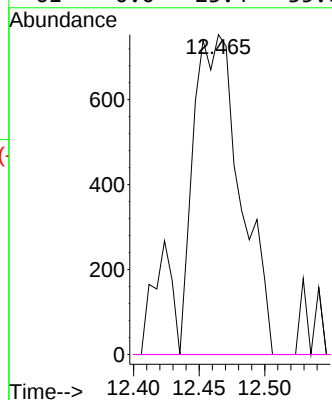
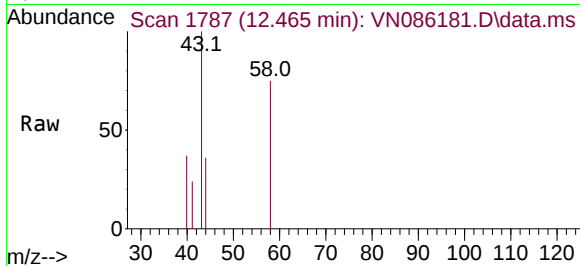




#74
N-amy1 acetate
Concen: 0.692 ug/l
RT: 12.465 min Scan# 1876
Delta R.T. -0.029 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

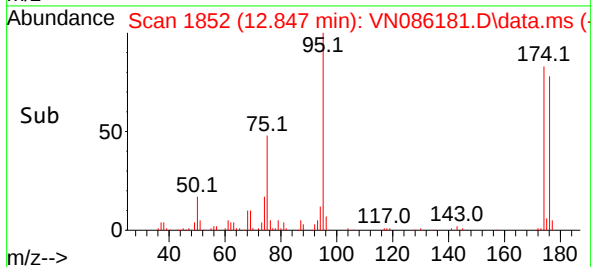
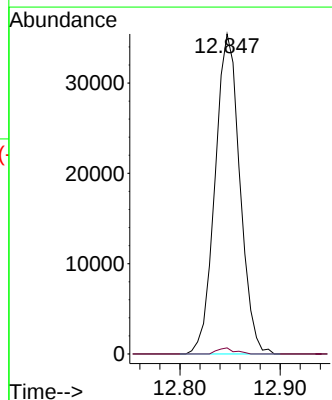
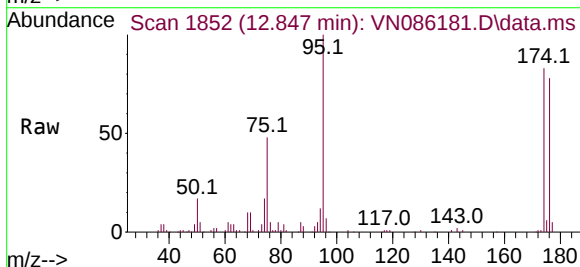
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#05

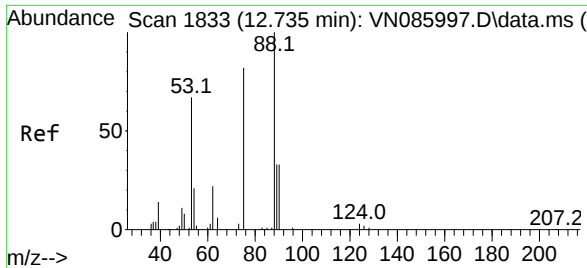
Tgt Ion:	43	Resp:	1876
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.0	64.4#
55	0.0	23.8	35.8#
61	0.0	23.4	35.0#



#76
1,2,3-Trichloropropane
Concen: 22.921 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086181.D
Acq: 31 Mar 2025 19:51

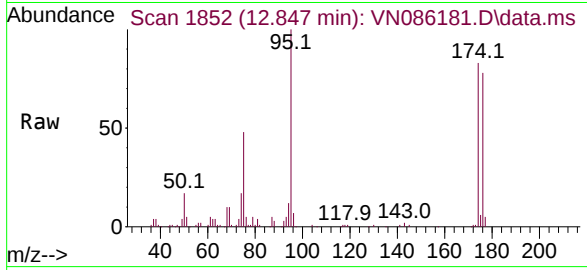
Tgt Ion:	75	Resp:	60875
Ion	Ratio	Lower	Upper
75	100		
77	1.3	83.7	251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.598 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086181.D
 Acq: 31 Mar 2025 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#05



Tgt Ion: 75 Resp: 60875
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 36.9 55.3#

