

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086177.D
 Acq On : 31 Mar 2025 18:14
 Operator : JC\MD
 Sample : PB167374ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#01

Quant Time: Apr 01 01:38:59 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)

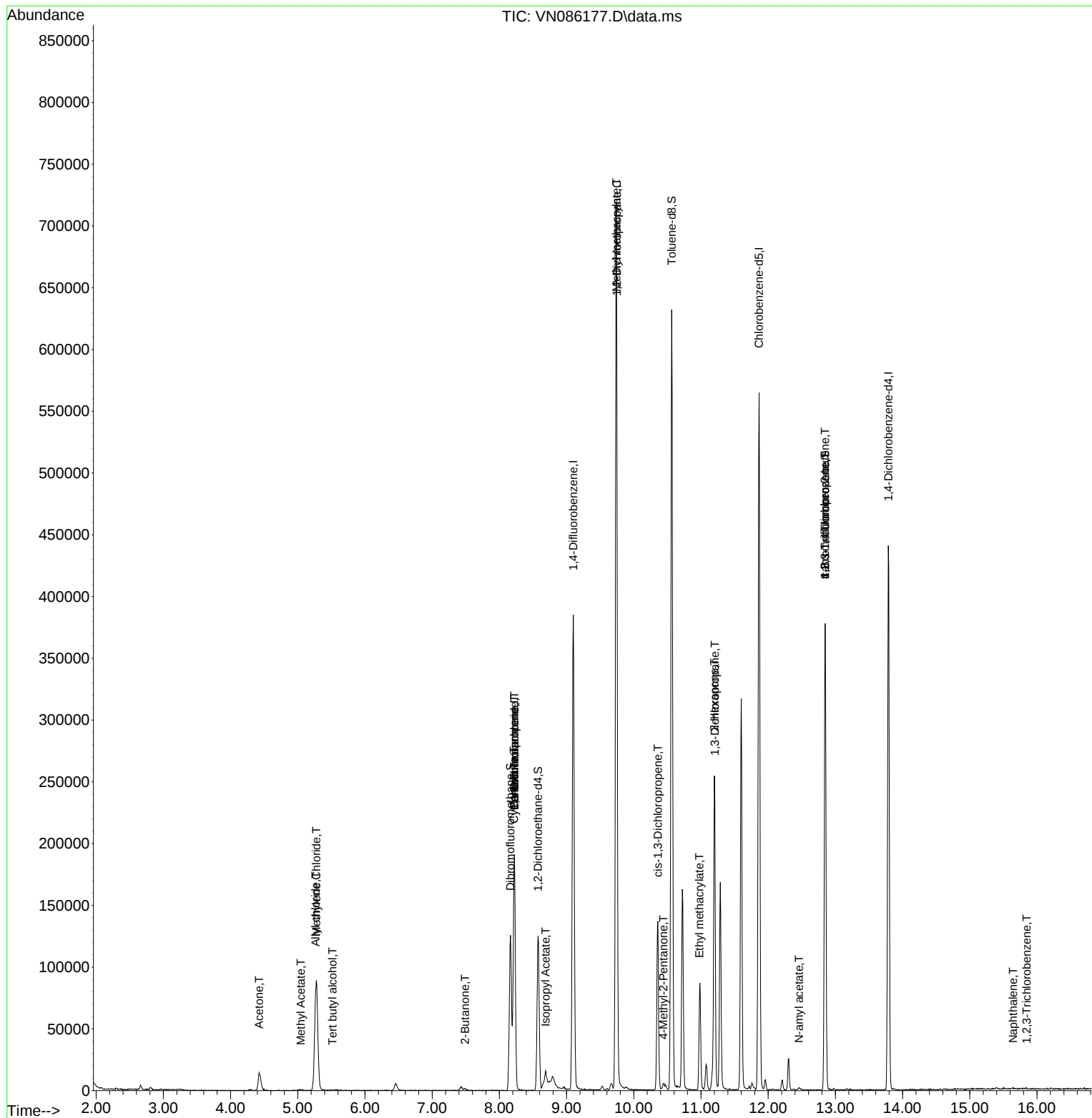
Internal Standards						
1) Pentafluorobenzene	8.224	168	134970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	338515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107412	58.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.240%			
35) Dibromofluoromethane	8.165	113	87770	37.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.640%#			
50) Toluene-d8	10.565	98	447952	52.485	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.960%			
62) 4-Bromofluorobenzene	12.847	95	134608	44.223	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.440%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	77	0.294	ug/l #	73
14) Allyl chloride	5.265	41	1596	0.925	ug/l #	20
16) Acetone	4.424	43	26363	46.690	ug/l	98
18) Methyl Acetate	5.047	43	1674	1.198	ug/l #	51
20) Methylene Chloride	5.277	84	76075	46.055	ug/l	96
25) 2-Butanone	7.489	43	2533	3.109	ug/l #	64
31) Cyclohexane	8.218	56	2847	1.236	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	11223	3.624	ug/l #	49
38) Carbon Tetrachloride	8.224	117	14200	3.488	ug/l #	17
43) Isopropyl Acetate	8.688	43	21493	3.797	ug/l #	67
45) 1,2-Dichloropropane	9.747	63	966	0.437	ug/l #	44
48) Methyl methacrylate	9.741	41	63044	33.749	ug/l #	32
51) 4-Methyl-2-Pentanone	10.441	43	3858	1.545	ug/l #	82
54) cis-1,3-Dichloropropene	10.359	75	26815	7.202	ug/l #	67
56) Ethyl methacrylate	10.977	69	790	0.463	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	2524	0.653	ug/l #	42
59) 2-Hexanone	11.200	43	42584	23.414	ug/l #	42
74) N-amyl acetate	12.459	43	2132	0.741	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	66928	23.723	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66928	62.719	ug/l #	16
95) Naphthalene	15.647	128	1279	0.204	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.847	180	482	0.235	ug/l #	67

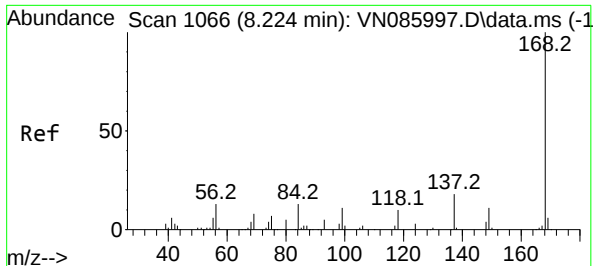
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
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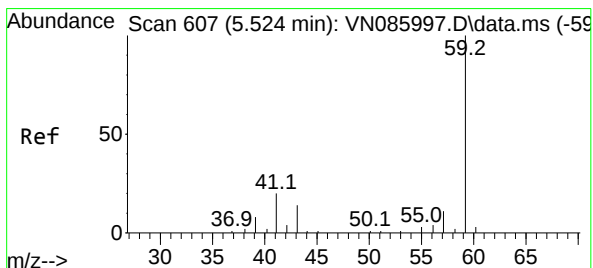
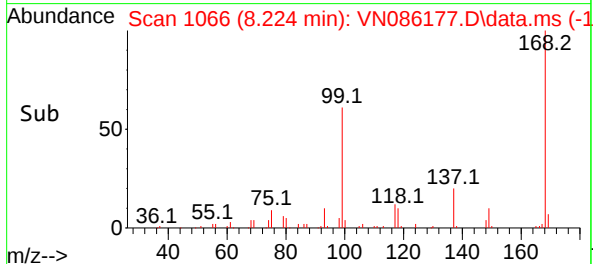
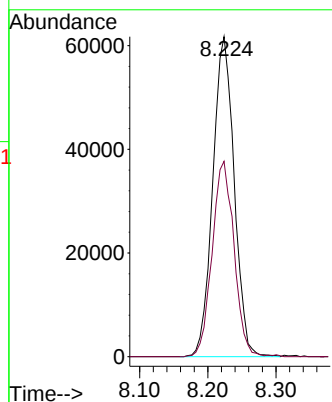
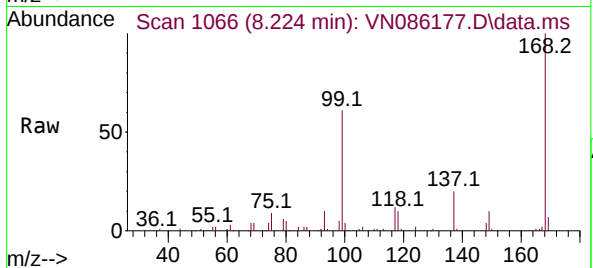




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

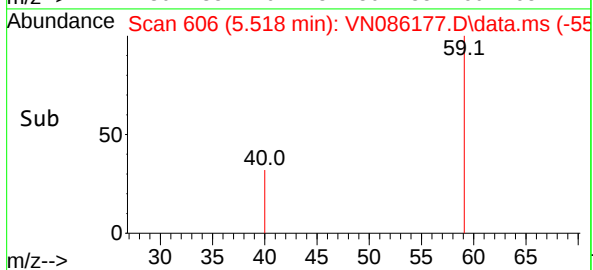
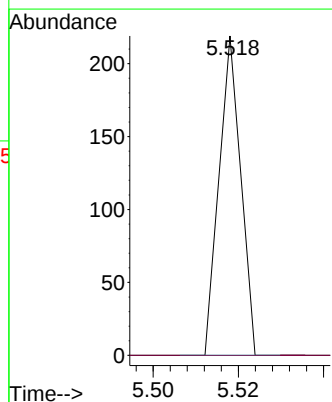
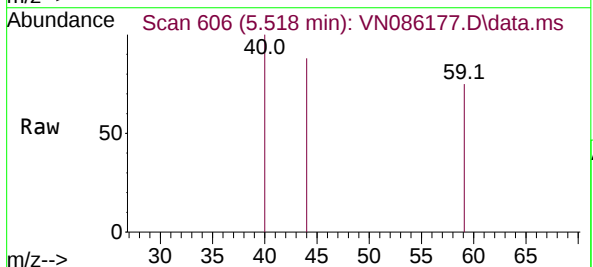
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#01

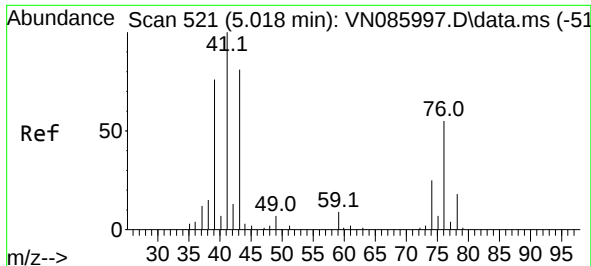
Tgt Ion:168 Resp: 134970
Ion Ratio Lower Upper
168 100
99 61.1 49.4 74.2



#11
Tert butyl alcohol
Concen: 0.294 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

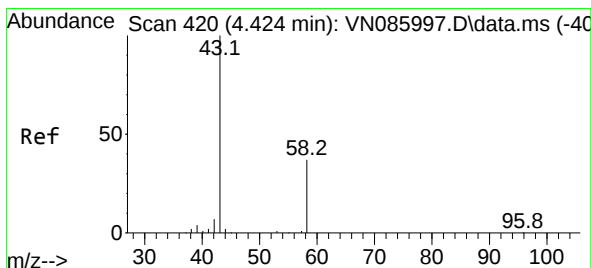
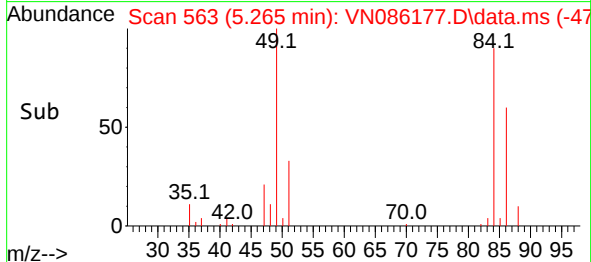
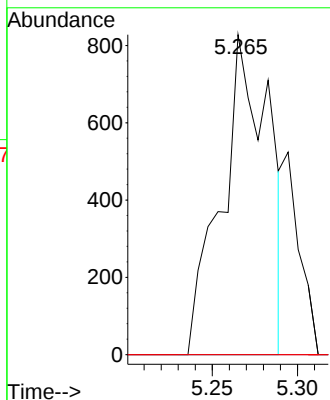
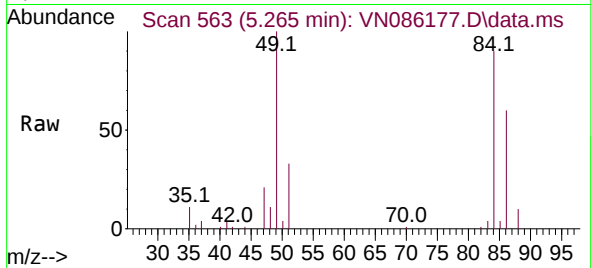




#14
 Allyl chloride
 Concen: 0.925 ug/l
 RT: 5.265 min Scan# 51
 Delta R.T. 0.247 min
 Lab File: VN086177.D
 Acq: 31 Mar 2025 18:14

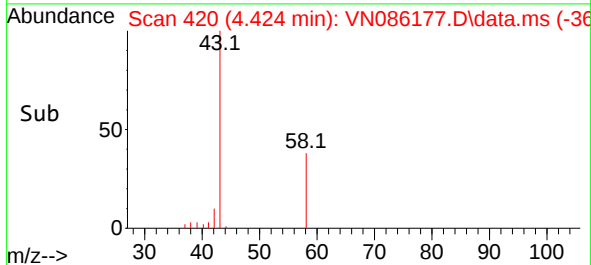
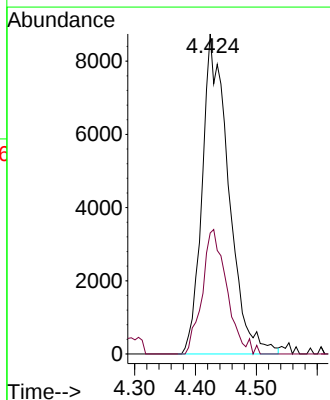
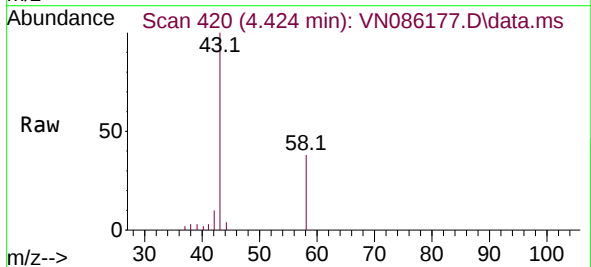
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#01

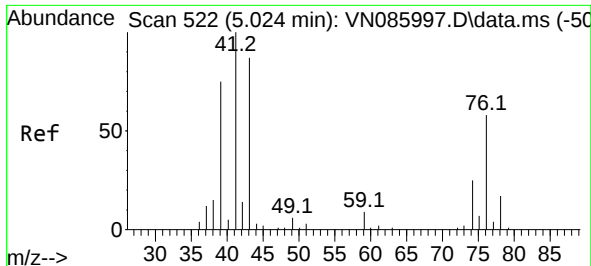
Tgt Ion: 41 Resp: 1596
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.5 83.3#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 46.690 ug/l
 RT: 4.424 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: VN086177.D
 Acq: 31 Mar 2025 18:14

Tgt Ion: 43 Resp: 26363
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.4 44.2

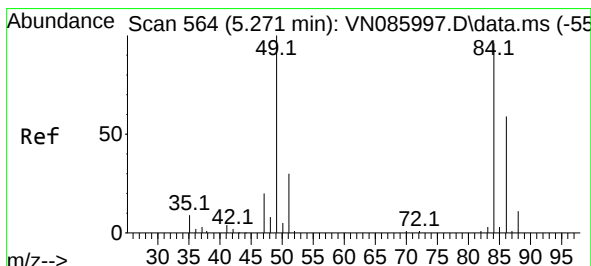
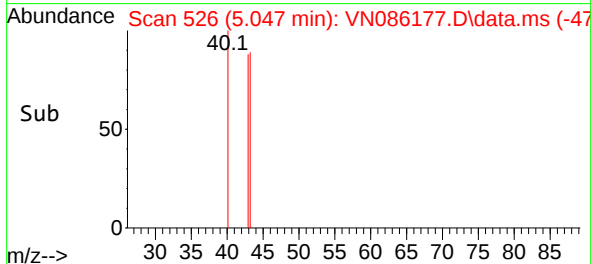
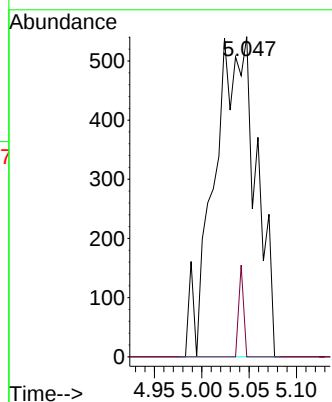
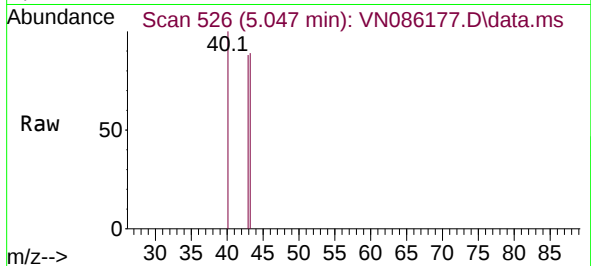




#18
Methyl Acetate
Concen: 1.198 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

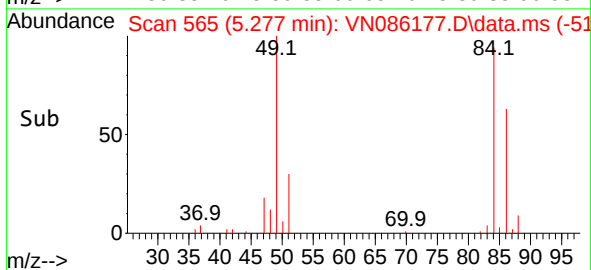
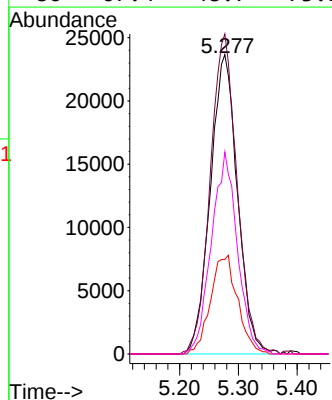
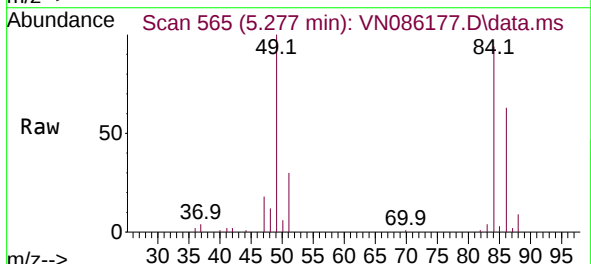
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#01

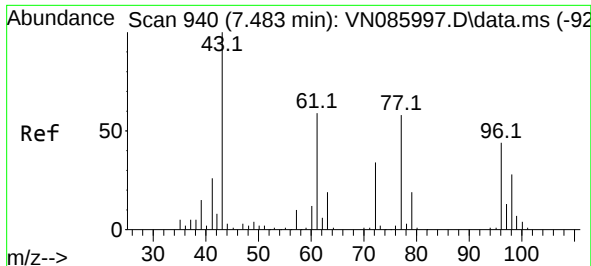
Tgt Ion: 43 Resp: 1674
Ion Ratio Lower Upper
43 100
74 3.3 23.9 35.9#



#20
Methylene Chloride
Concen: 46.055 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

Tgt Ion: 84 Resp: 76075
Ion Ratio Lower Upper
84 100
49 106.9 83.3 124.9
51 31.6 24.8 37.2
86 67.4 48.7 73.1

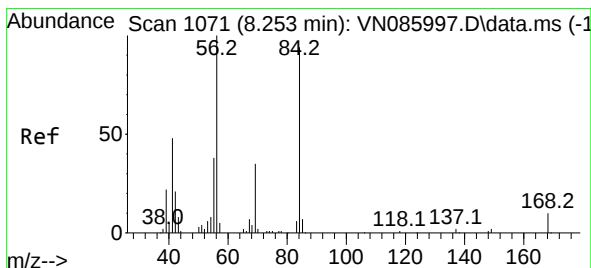
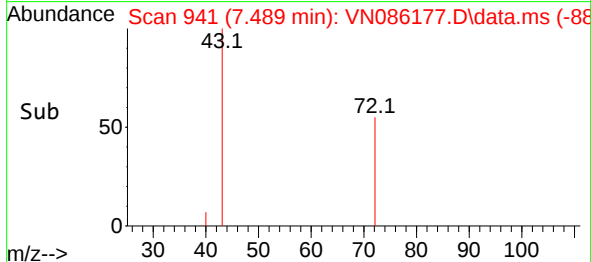
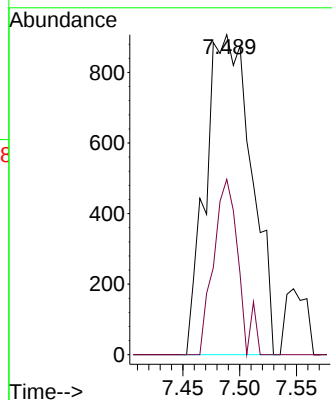
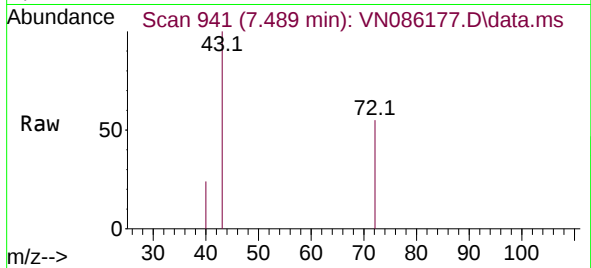




#25
2-Butanone
Concen: 3.109 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

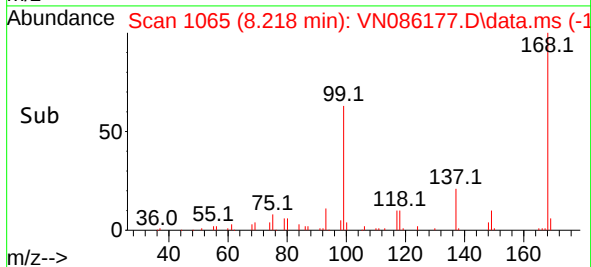
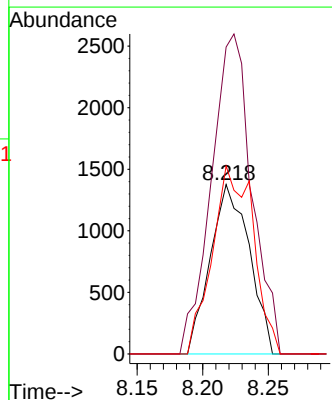
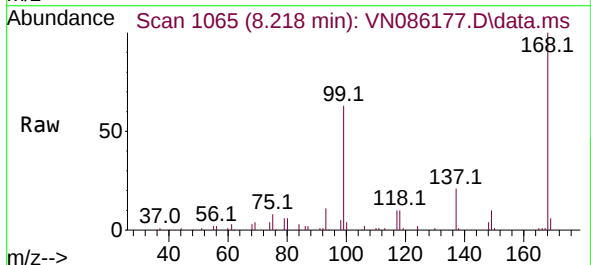
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#01

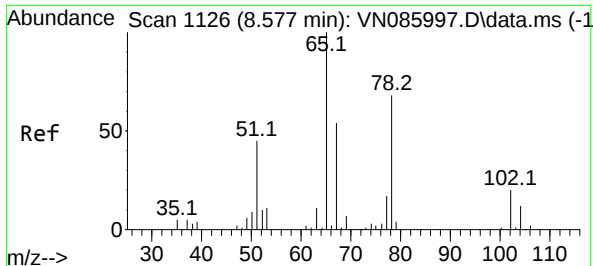
Tgt Ion: 43 Resp: 2533
Ion Ratio Lower Upper
43 100
72 54.8 27.4 41.0#



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

Tgt Ion: 56 Resp: 2847
Ion Ratio Lower Upper
56 100
69 181.2 28.0 42.0#
84 111.0 75.0 112.6





#33

1,2-Dichloroethane-d4

Concen: 58.117 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

Instrument :

MSVOA_N

ClientSampleId :

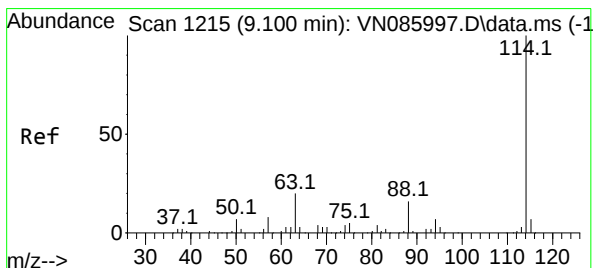
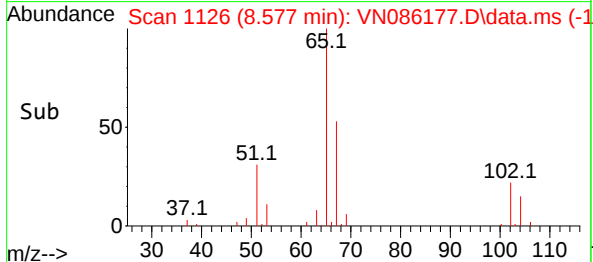
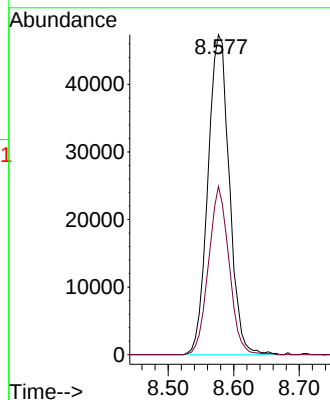
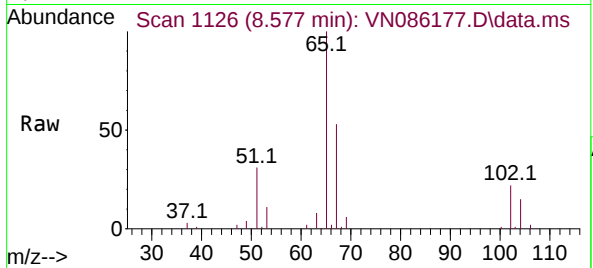
PB167374ZHE#01

Tgt Ion: 65 Resp: 107412

Ion Ratio Lower Upper

65 100

67 50.4 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: VN086177.D

Acq: 31 Mar 2025 18:14

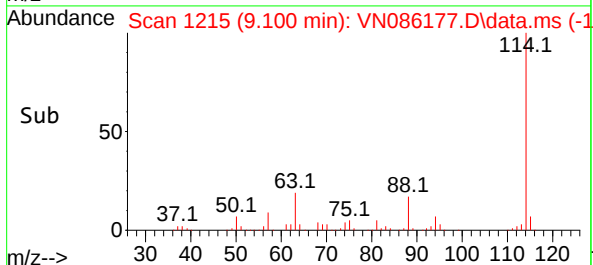
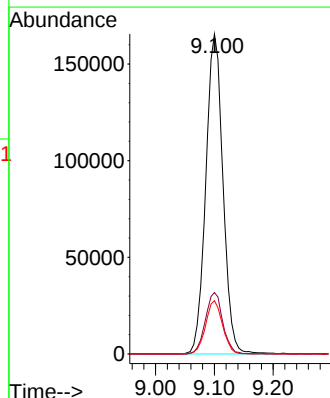
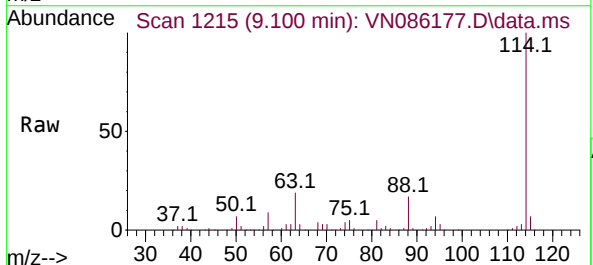
Tgt Ion: 114 Resp: 336922

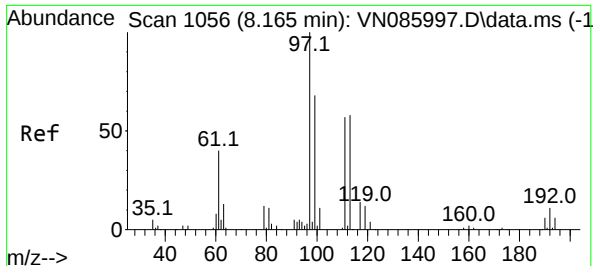
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 37.322 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#01

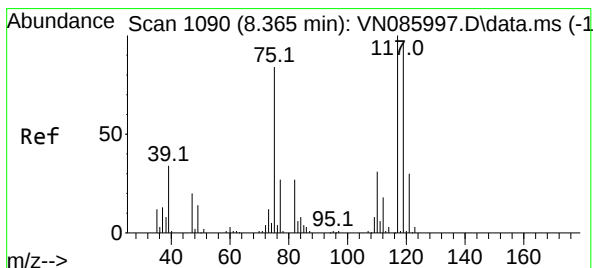
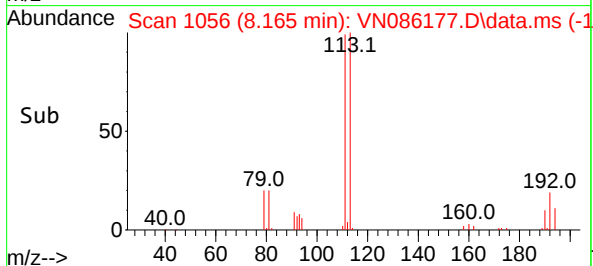
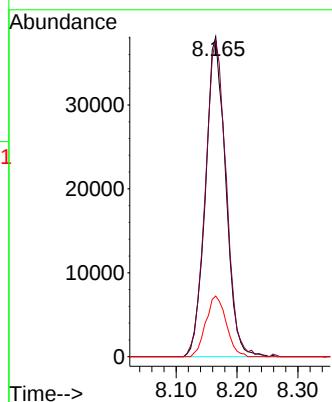
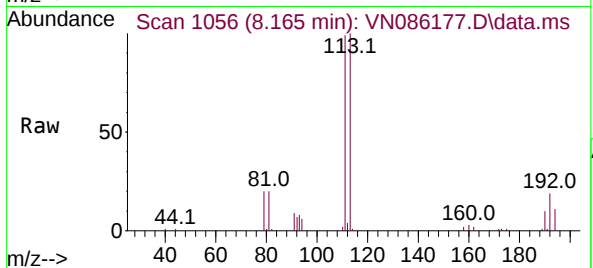
Tgt Ion:113 Resp: 87770

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 19.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 3.624 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

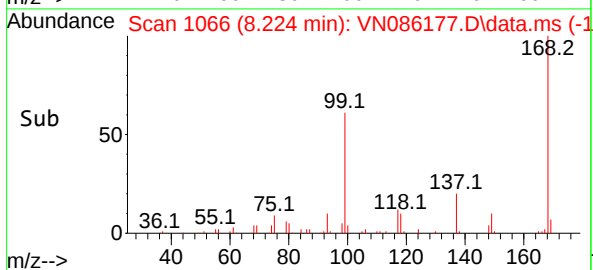
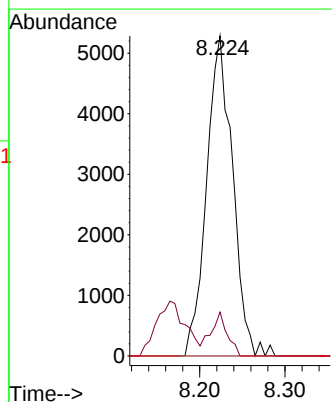
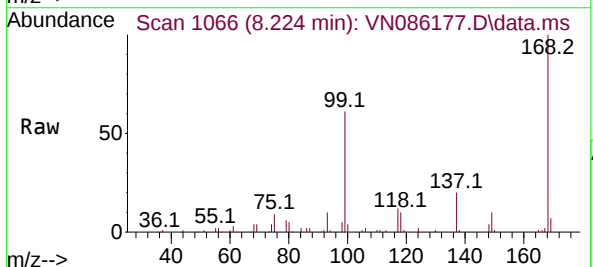
Tgt Ion: 75 Resp: 11223

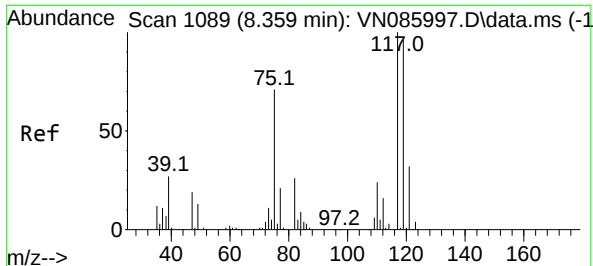
Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.3#

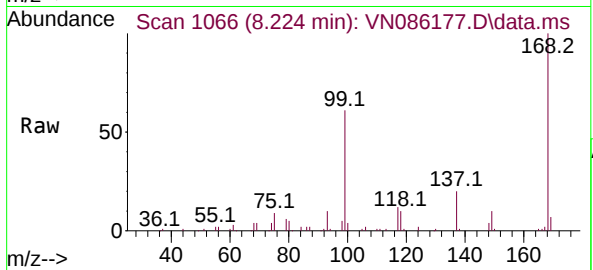
77 0.0 25.0 37.4#



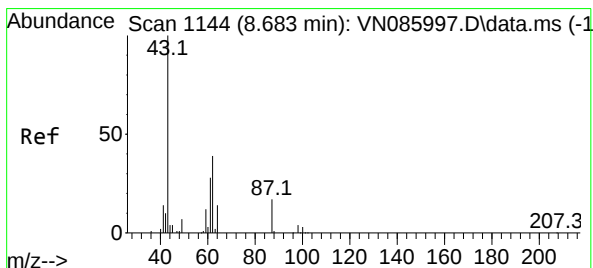
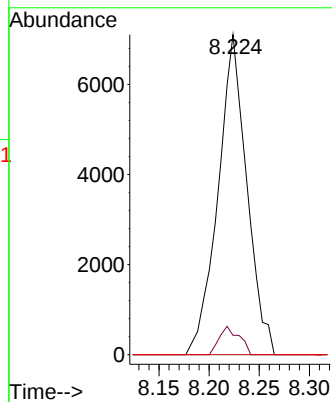
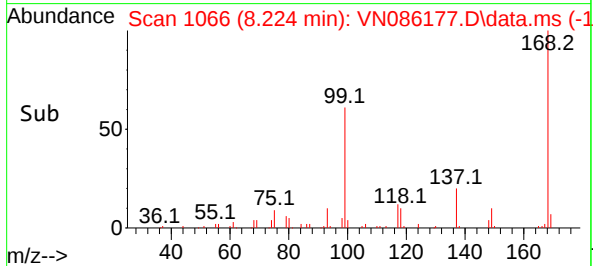


#38
Carbon Tetrachloride
Concen: 3.488 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

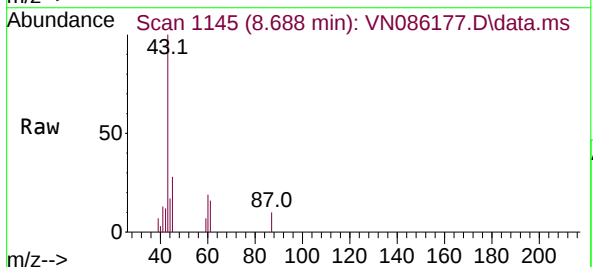
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#01



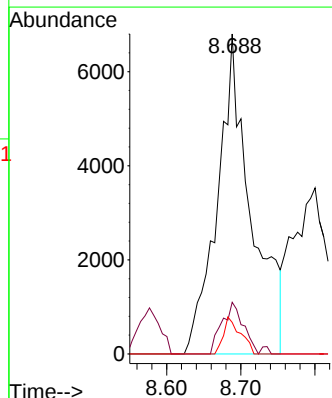
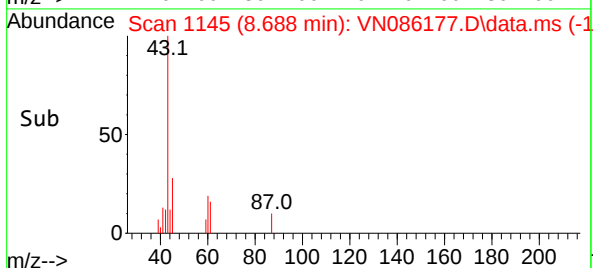
Tgt Ion:117 Resp: 14200
Ion Ratio Lower Upper
117 100
119 6.1 77.0 115.4#
121 0.0 25.6 38.4#

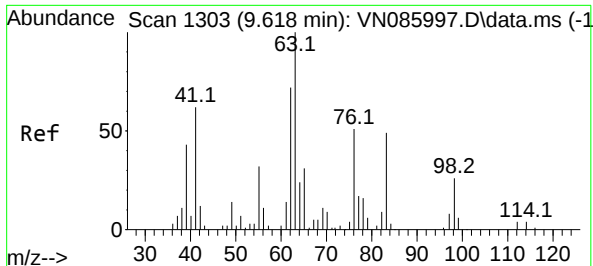


#43
Isopropyl Acetate
Concen: 3.797 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14



Tgt Ion: 43 Resp: 21493
Ion Ratio Lower Upper
43 100
61 10.2 25.0 37.6#
87 5.8 13.0 19.4#





#45

1,2-Dichloropropane

Concen: 0.437 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.129 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

Instrument :

MSVOA_N

ClientSampleId :

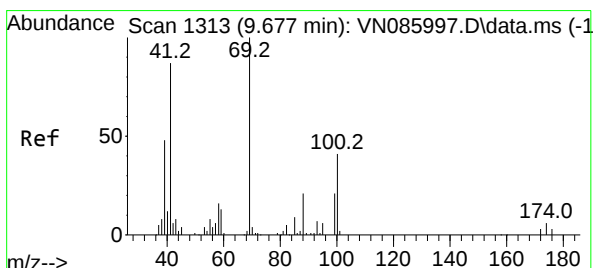
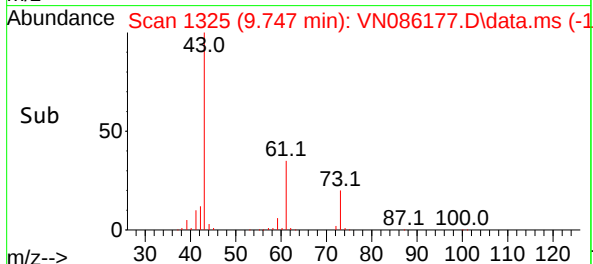
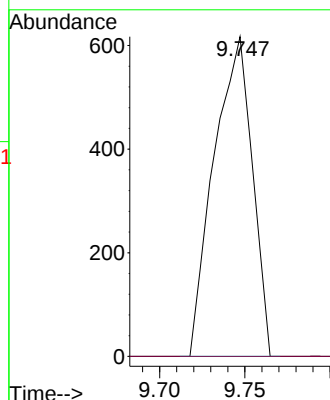
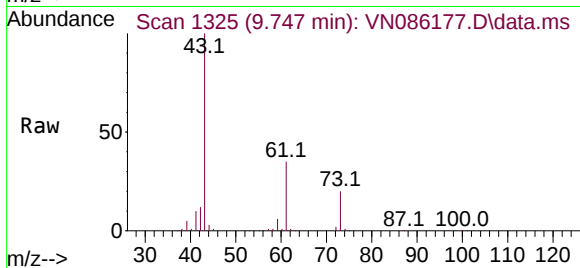
PB167374ZHE#01

Tgt Ion: 63 Resp: 966

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 33.749 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

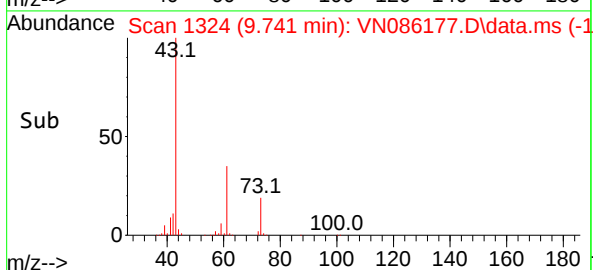
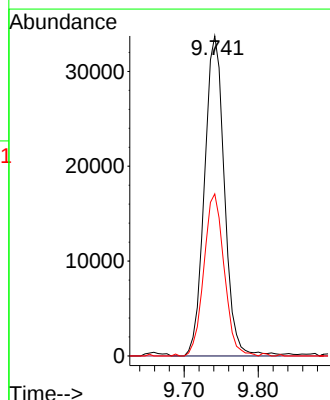
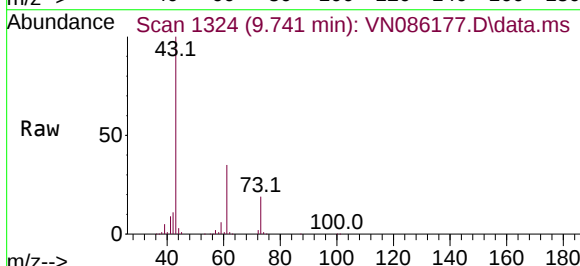
Tgt Ion: 41 Resp: 63044

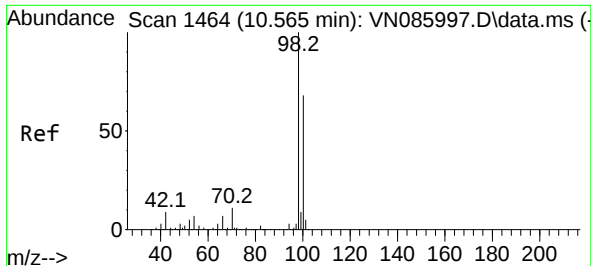
Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 51.4 45.6 68.4

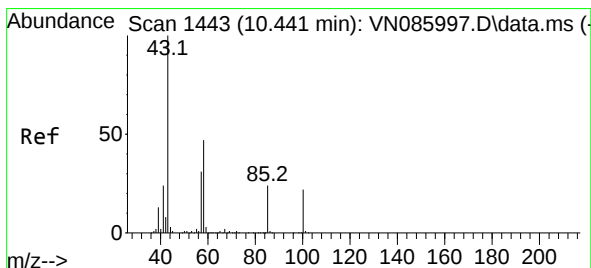
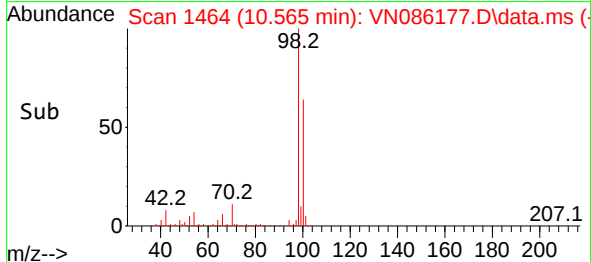
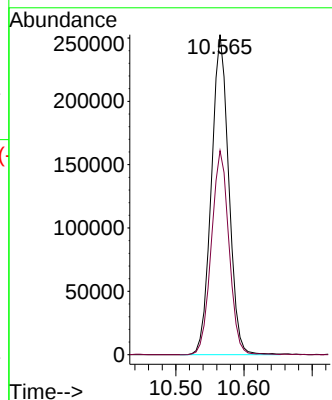
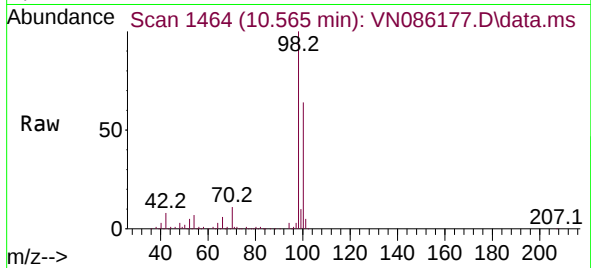




#50
Toluene-d8
Concen: 52.485 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

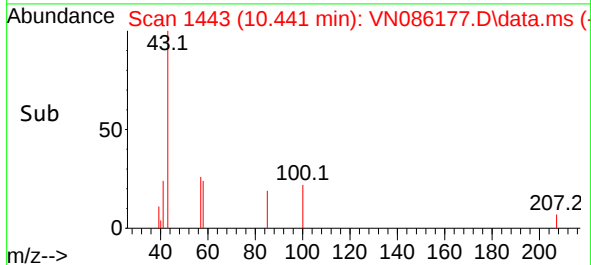
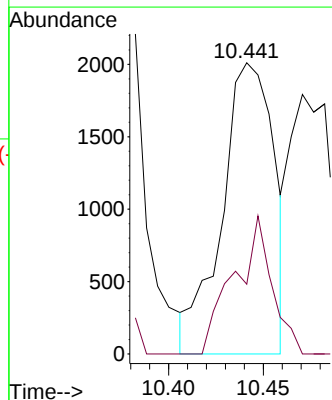
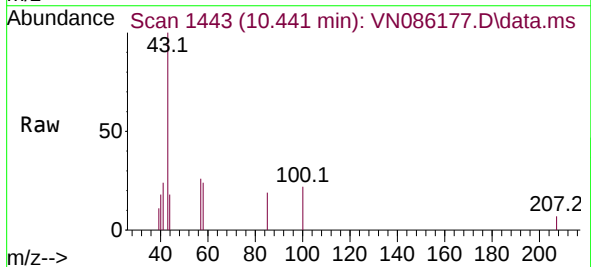
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#01

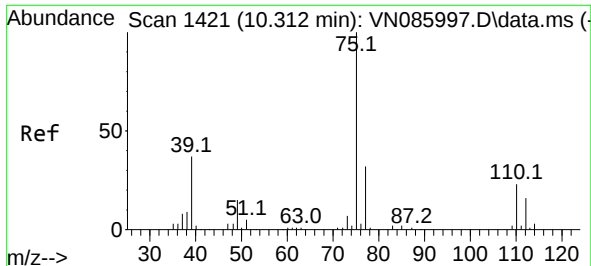
Tgt Ion: 98 Resp: 447952
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.545 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
58 34.4 37.4 56.0#

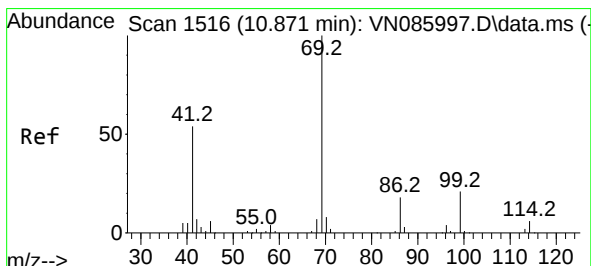
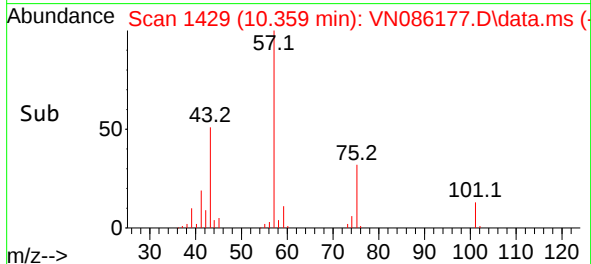
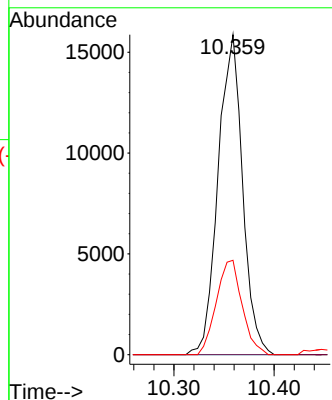
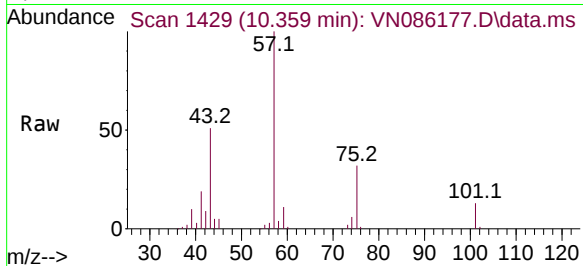




#54
 cis-1,3-Dichloropropene
 Concen: 7.202 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN086177.D
 Acq: 31 Mar 2025 18:14

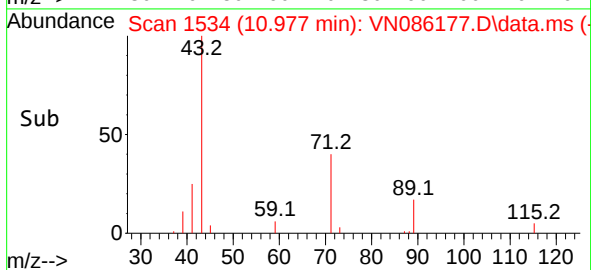
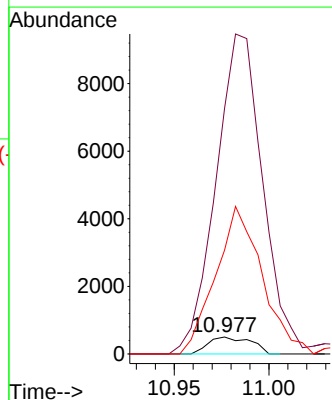
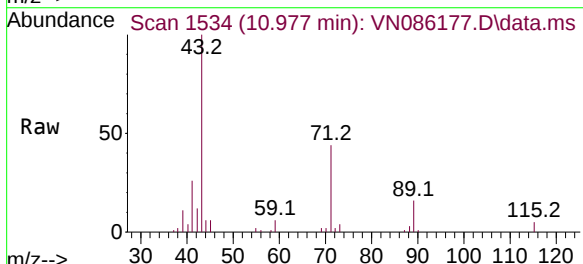
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#01

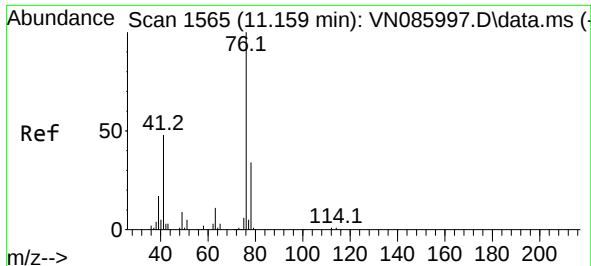
Tgt Ion: 75 Resp: 26815
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 29.5 29.6 44.4#



#56
 Ethyl methacrylate
 Concen: 0.463 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN086177.D
 Acq: 31 Mar 2025 18:14

Tgt Ion: 69 Resp: 790
 Ion Ratio Lower Upper
 69 100
 41 2067.0 41.6 62.4#
 39 948.1 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.653 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

Instrument :

MSVOA_N

ClientSampleId :

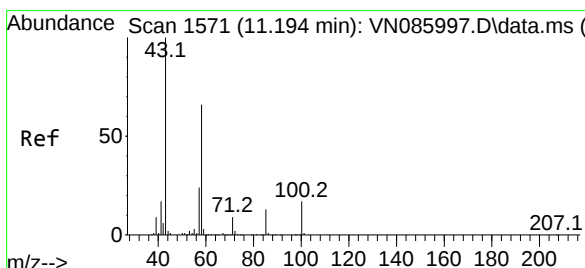
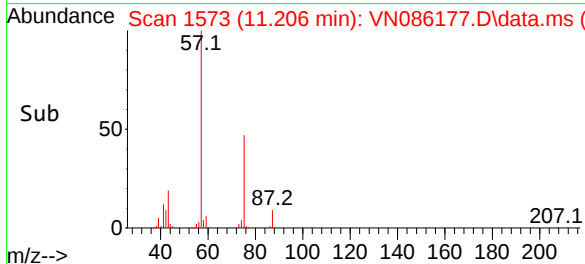
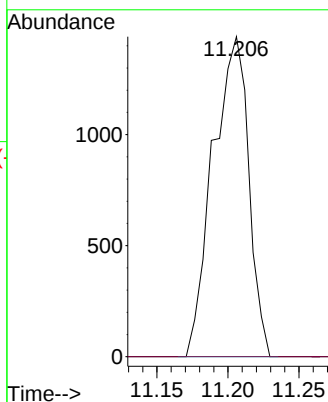
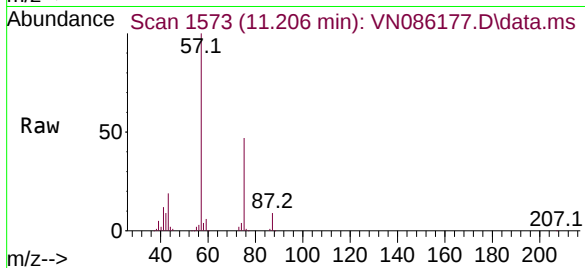
PB167374ZHE#01

Tgt Ion: 76 Resp: 2524

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 23.414 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086177.D

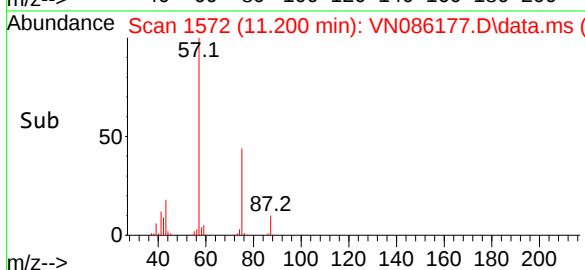
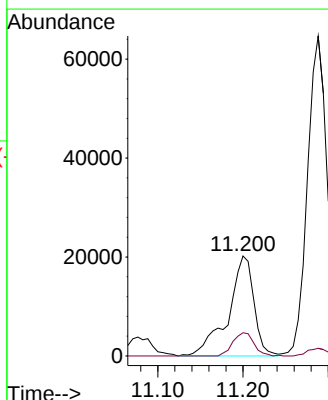
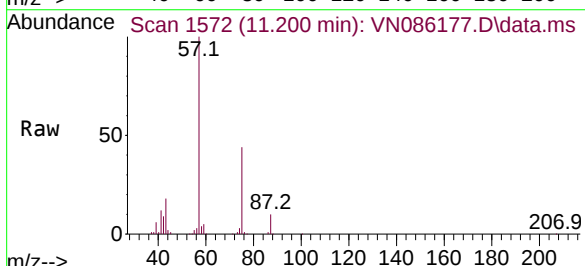
Acq: 31 Mar 2025 18:14

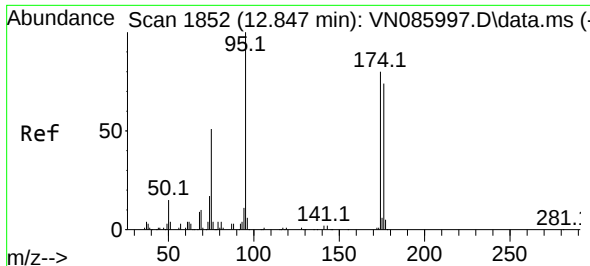
Tgt Ion: 43 Resp: 42584

Ion Ratio Lower Upper

43 100

58 19.1 32.4 97.2#

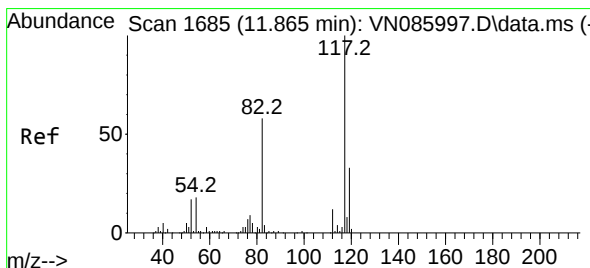
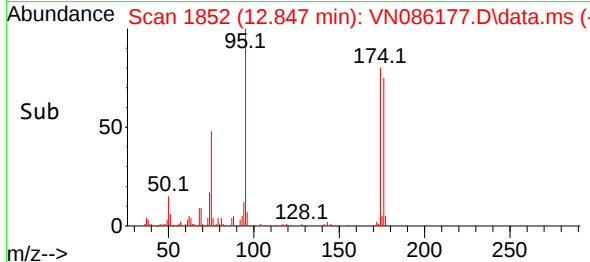
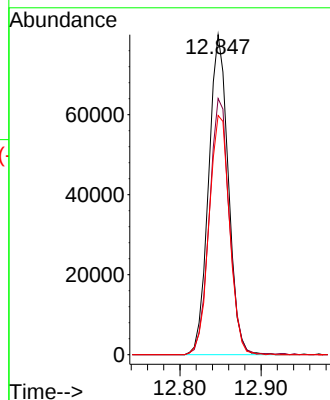
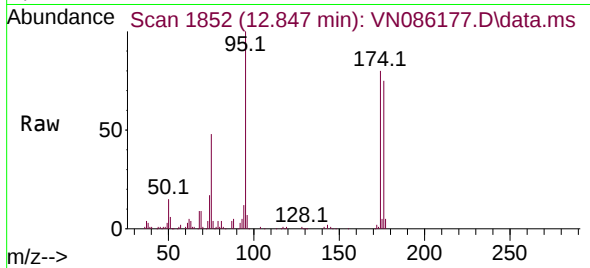




#62
4-Bromofluorobenzene
Concen: 44.223 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

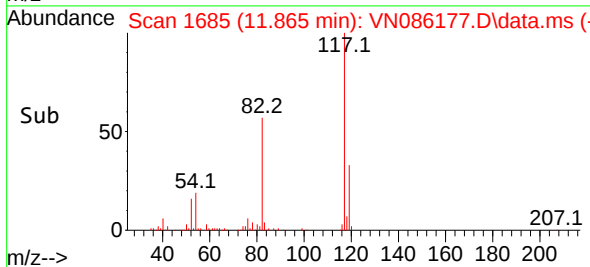
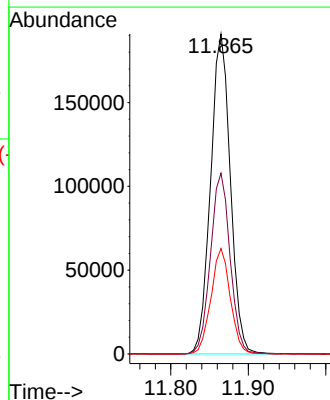
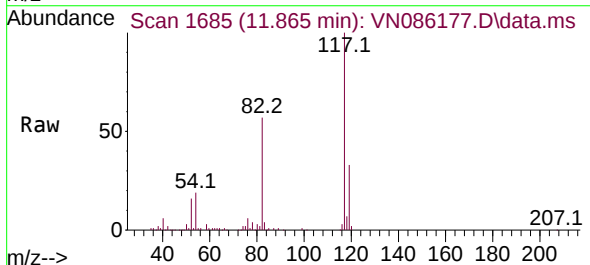
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#01

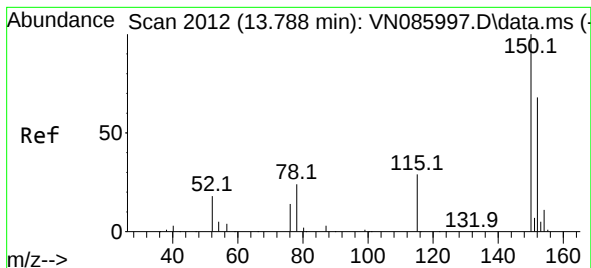
Tgt Ion: 95 Resp: 134608
Ion Ratio Lower Upper
95 100
174 81.3 0.0 156.8
176 77.8 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

Tgt Ion: 117 Resp: 338515
Ion Ratio Lower Upper
117 100
82 56.5 46.7 70.1
119 33.0 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#01

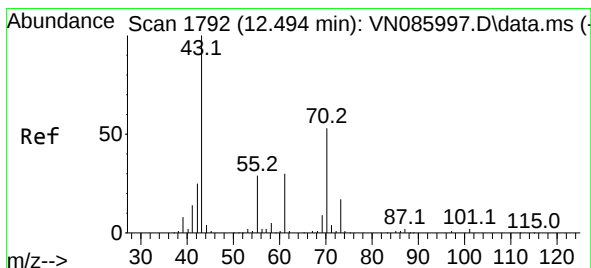
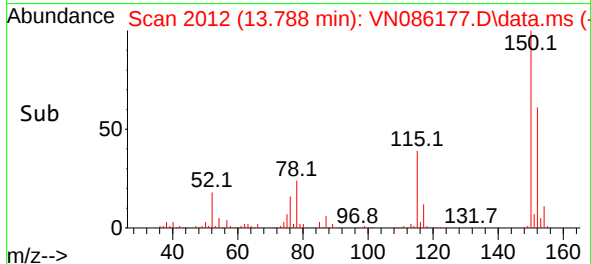
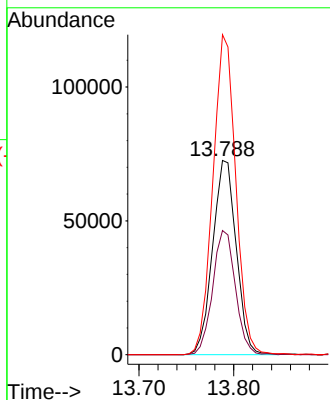
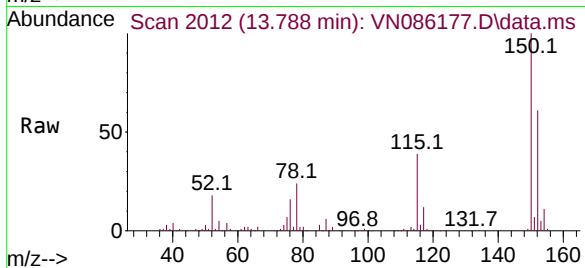
Tgt Ion:152 Resp: 126015

Ion Ratio Lower Upper

152 100

115 61.4 31.1 93.2

150 159.3 0.0 359.6



#74

N-ethyl acetate

Concen: 0.741 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

Tgt Ion: 43 Resp: 2132

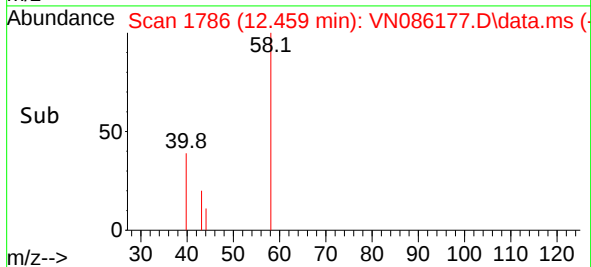
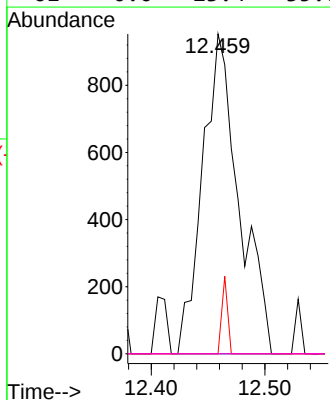
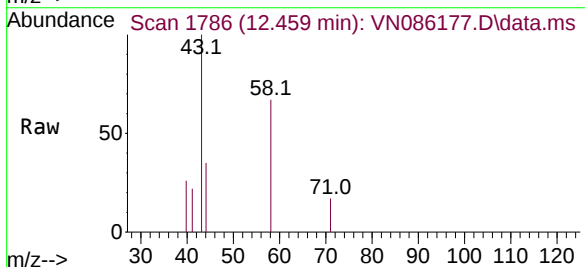
Ion Ratio Lower Upper

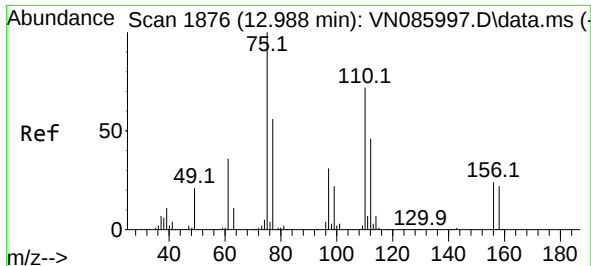
43 100

70 0.0 43.0 64.4#

55 3.8 23.8 35.8#

61 0.0 23.4 35.0#

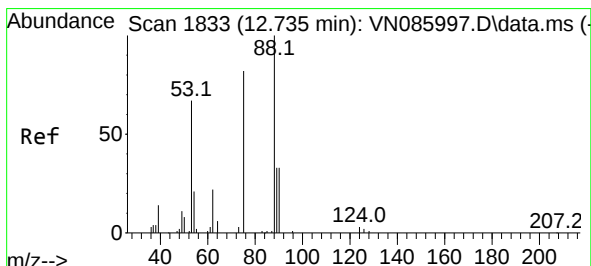
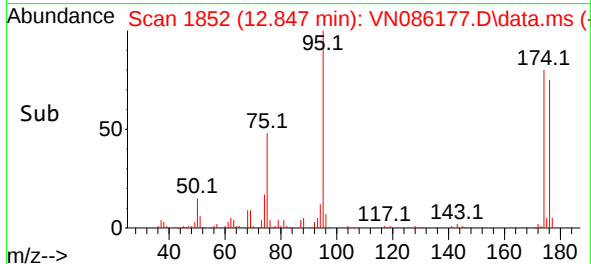
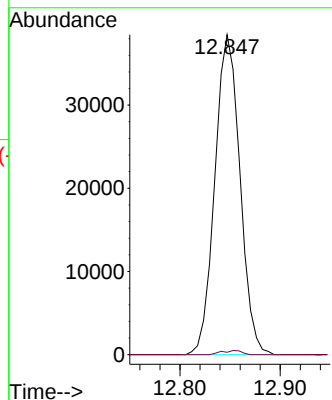
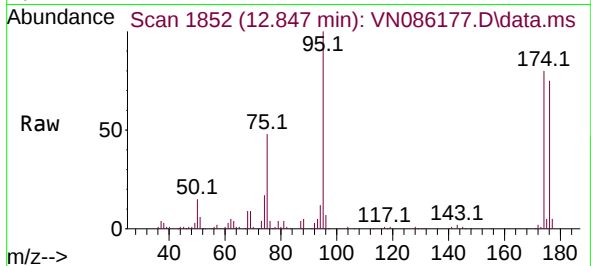




#76
1,2,3-Trichloropropane
Concen: 23.723 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

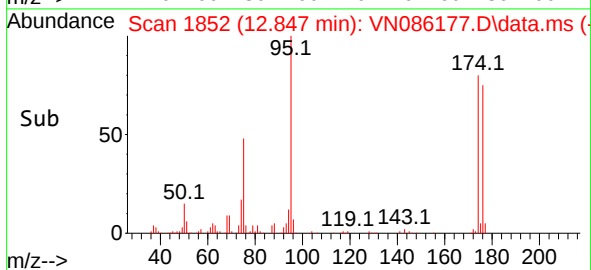
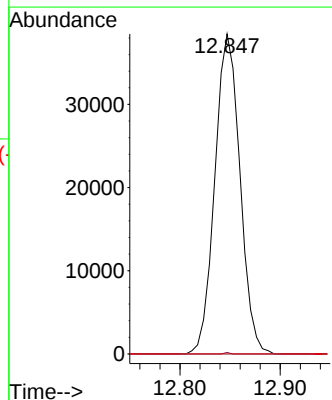
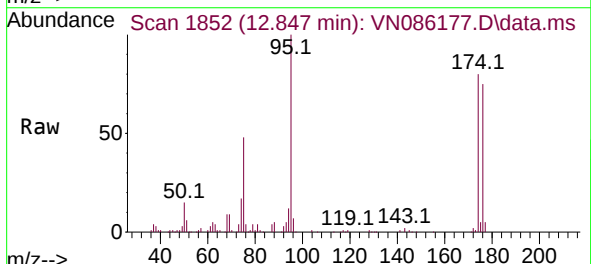
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#01

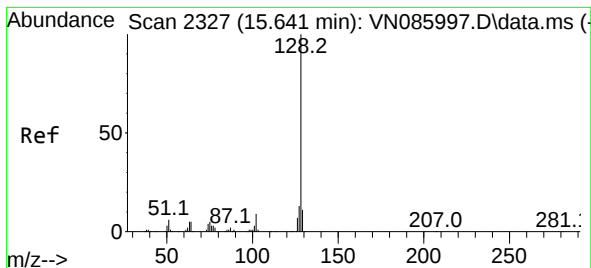
Tgt Ion: 75 Resp: 66928
Ion Ratio Lower Upper
75 100
77 1.0 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.719 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086177.D
Acq: 31 Mar 2025 18:14

Tgt Ion: 75 Resp: 66928
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.204 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#01

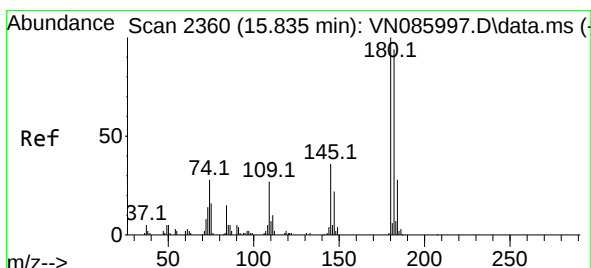
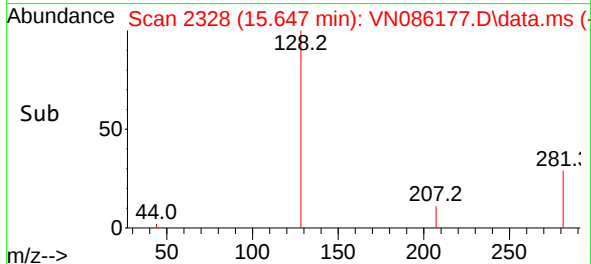
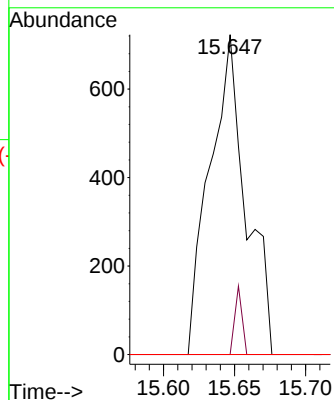
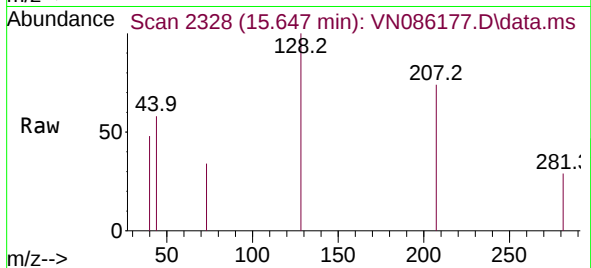
Tgt Ion:128 Resp: 1279

Ion Ratio Lower Upper

128 100

127 4.3 10.2 15.4#

129 0.0 9.0 13.6#



#96

1,2,3-Trichlorobenzene

Concen: 0.235 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.012 min

Lab File: VN086177.D

Acq: 31 Mar 2025 18:14

Tgt Ion:180 Resp: 482

Ion Ratio Lower Upper

180 100

182 73.4 47.5 142.5

145 0.0 17.7 53.1#

