

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085937.D
 Acq On : 11 Mar 2025 17:28
 Operator : JC\MD
 Sample : PB167050ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#04

Quant Time: Mar 12 01:25:17 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

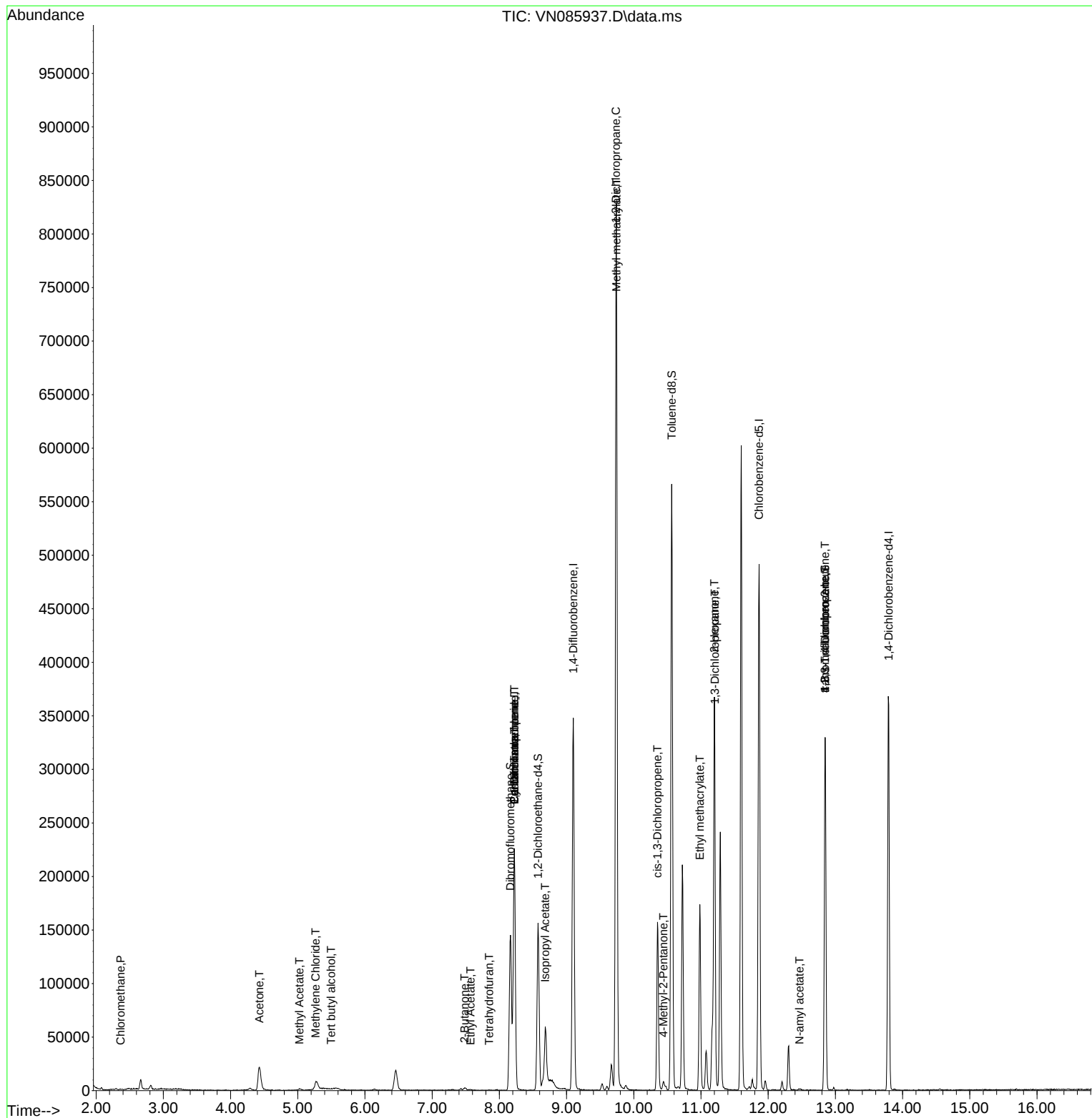
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	159267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	126084	61.062	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.120%	
35) Dibromofluoromethane	8.165	113	106607	54.753	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.500%	
50) Toluene-d8	10.565	98	396017	55.903	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.800%	
62) 4-Bromofluorobenzene	12.847	95	117676	50.418	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.840%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	512	0.236	ug/l #	41
11) Tert butyl alcohol	5.494	59	62	0.244	ug/l #	72
16) Acetone	4.430	43	41785	63.955	ug/l	98
18) Methyl Acetate	5.024	43	2483	1.105	ug/l #	81
20) Methylene Chloride	5.265	84	6047	2.878	ug/l	93
25) 2-Butanone	7.482	43	4045	4.208	ug/l	94
29) Tetrahydrofuran	7.847	42	208	0.335	ug/l #	29
31) Cyclohexane	8.224	56	3612	1.225	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13313	4.831	ug/l #	48
37) Ethyl Acetate	7.571	43	1587	0.700	ug/l #	66
38) Carbon Tetrachloride	8.224	117	17765	5.426	ug/l #	18
43) Isopropyl Acetate	8.682	43	70043	17.242	ug/l #	82
45) 1,2-Dichloropropane	9.735	63	1078	0.506	ug/l #	43
48) Methyl methacrylate	9.741	41	72076	42.797	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	8899	4.070	ug/l #	73
54) cis-1,3-Dichloropropene	10.353	75	28414	8.710	ug/l #	68
56) Ethyl methacrylate	10.982	69	1270	0.938	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3628	1.056	ug/l #	42
59) 2-Hexanone	11.200	43	45517	30.262	ug/l #	53
74) N-amyl acetate	12.464	43	1090	0.428	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	58956	25.183	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58956	73.478	ug/l #	12

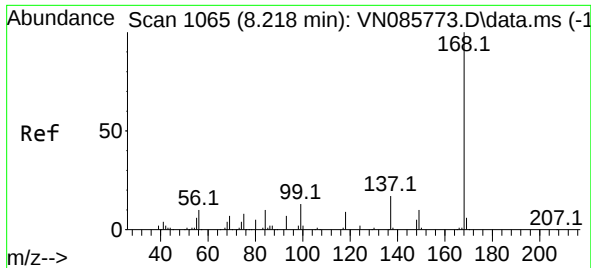
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
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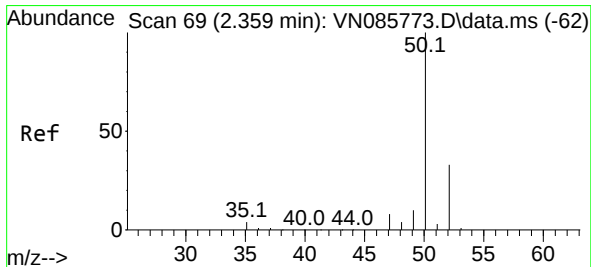
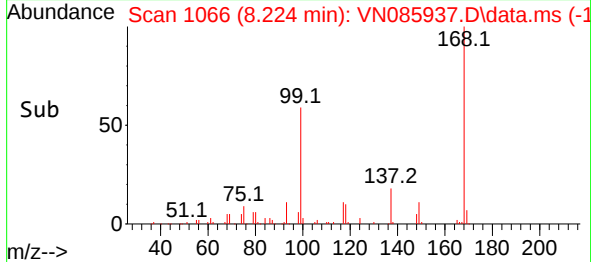
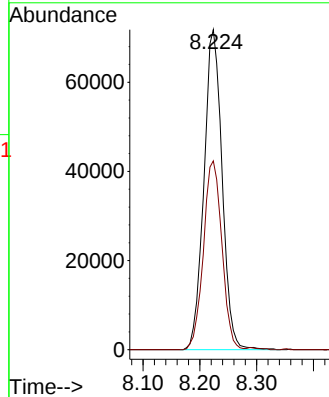
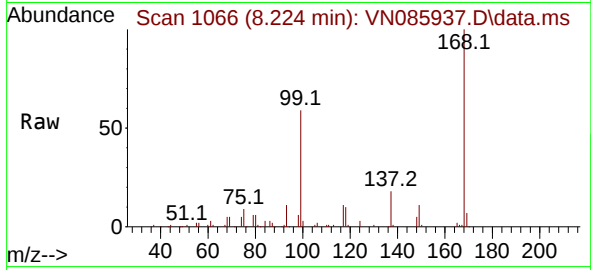




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

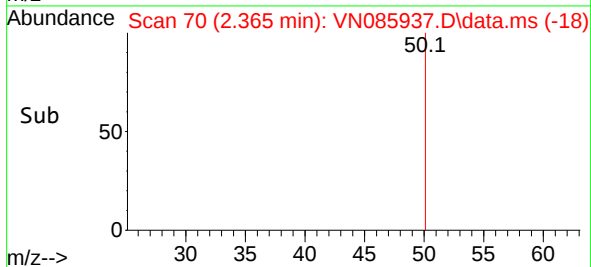
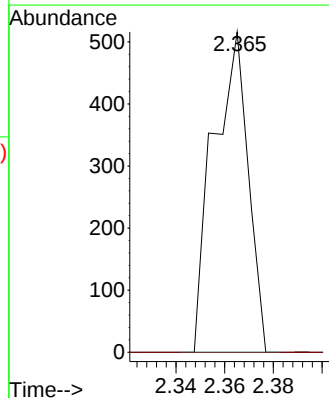
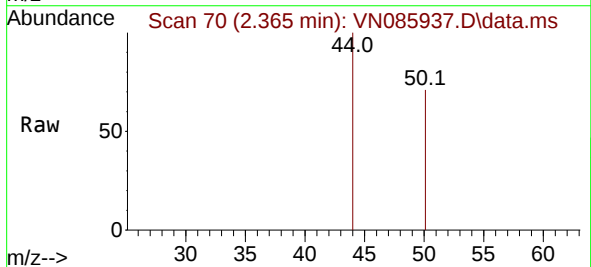
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#04

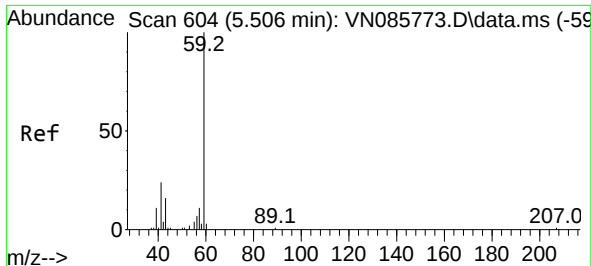
Tgt Ion:168 Resp: 159267
Ion Ratio Lower Upper
168 100
99 59.0 47.9 71.9



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Tgt Ion: 50 Resp: 512
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

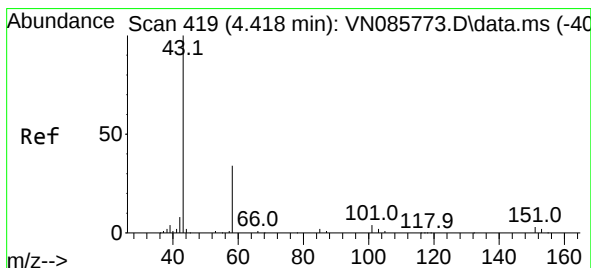
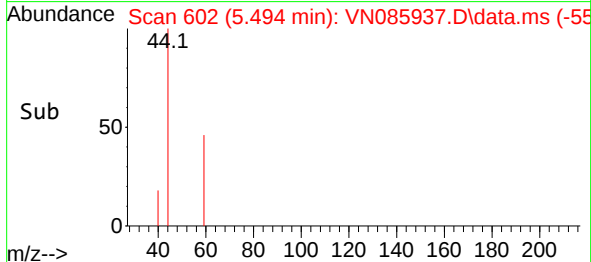
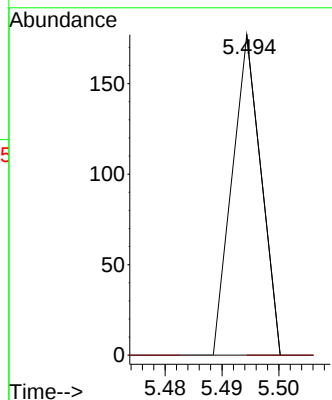
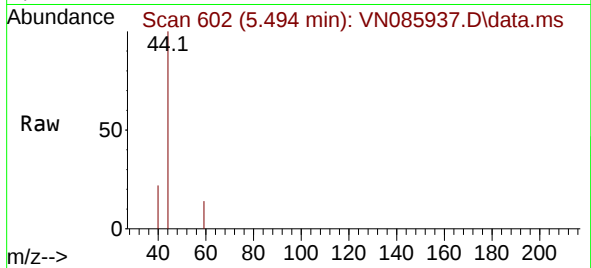




#11
Tert butyl alcohol
Concen: 0.244 ug/l
RT: 5.494 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

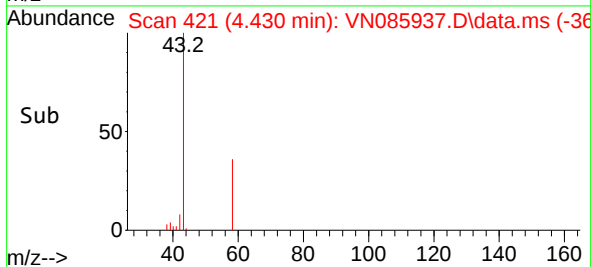
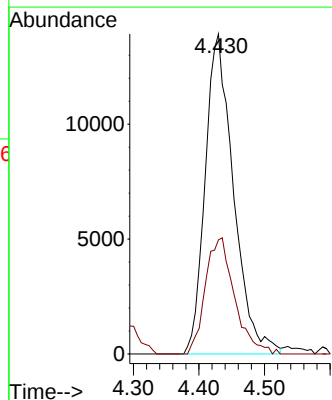
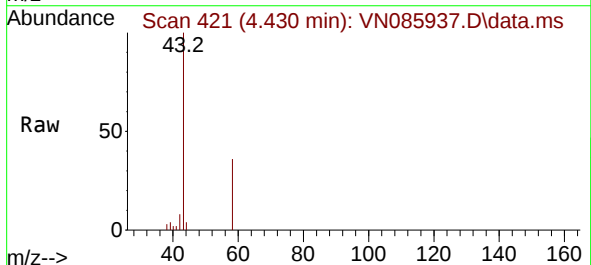
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#04

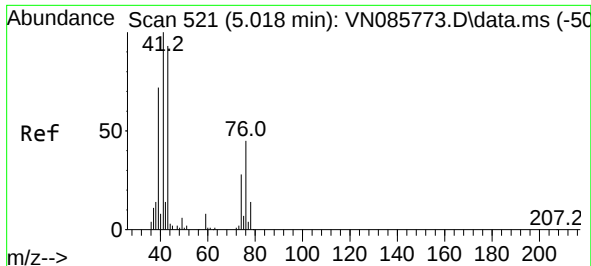
Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 63.955 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Tgt Ion: 43 Resp: 41785
Ion Ratio Lower Upper
43 100
58 35.7 27.5 41.3

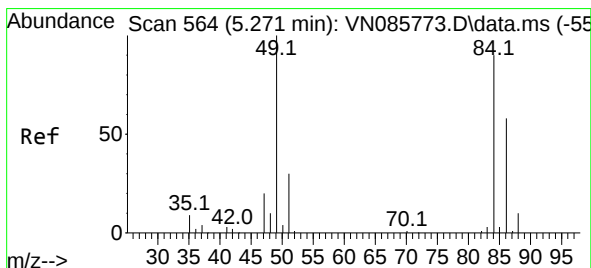
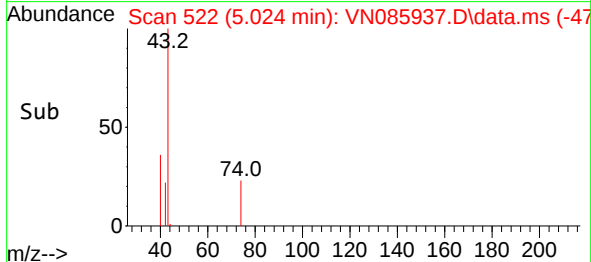
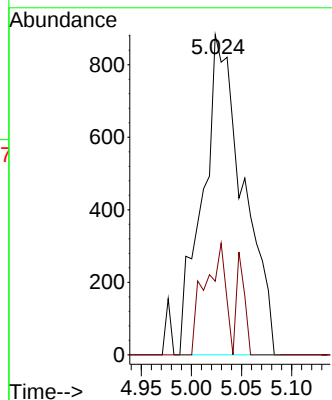
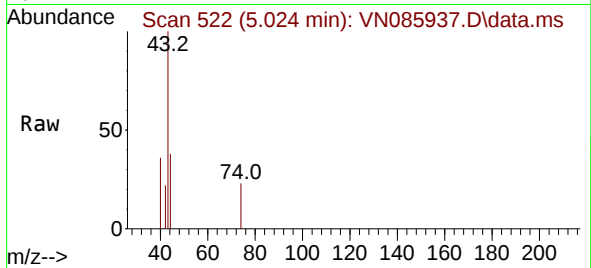




#18
Methyl Acetate
Concen: 1.105 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

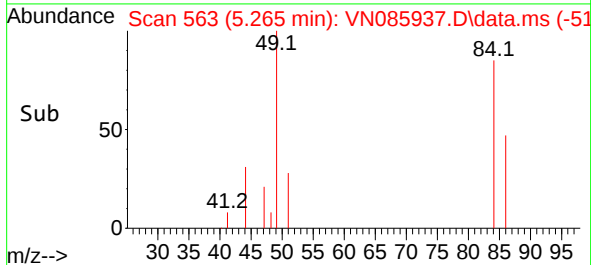
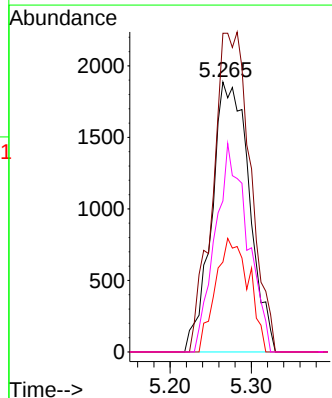
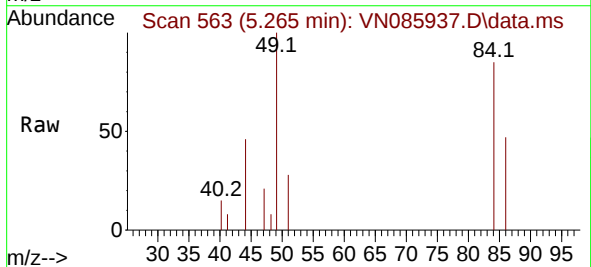
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#04

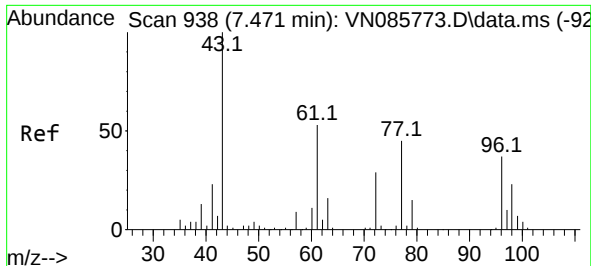
Tgt Ion: 43 Resp: 2483
Ion Ratio Lower Upper
43 100
74 18.0 22.2 33.4#



#20
Methylene Chloride
Concen: 2.878 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Tgt Ion: 84 Resp: 6047
Ion Ratio Lower Upper
84 100
49 118.1 88.4 132.6
51 33.3 26.6 40.0
86 56.0 51.0 76.6

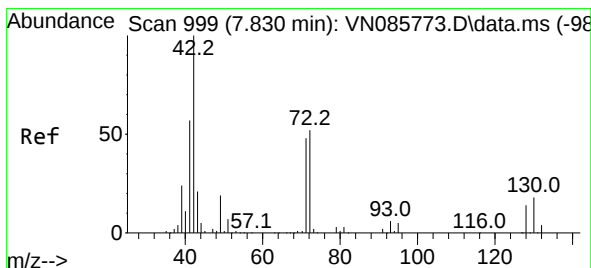
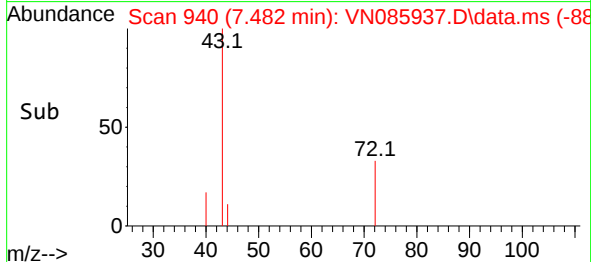
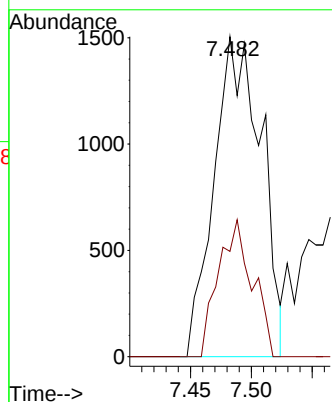
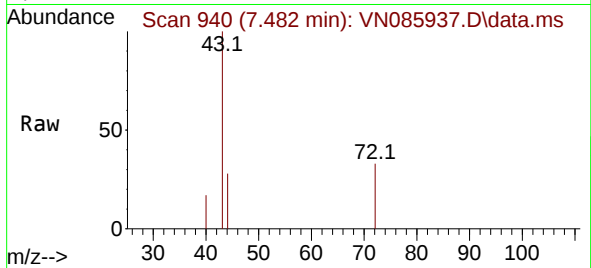




#25
2-Butanone
Concen: 4.208 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

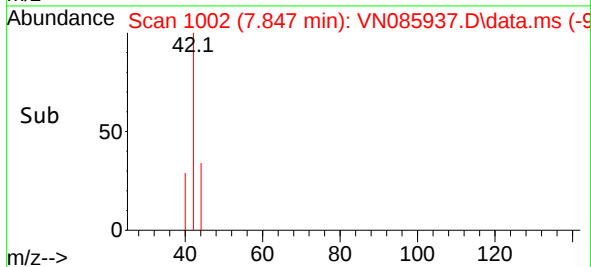
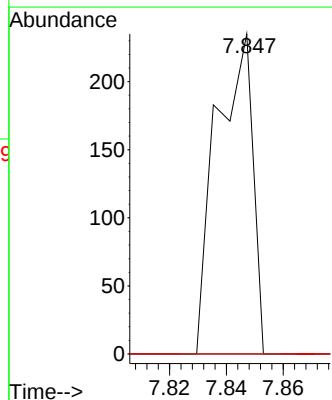
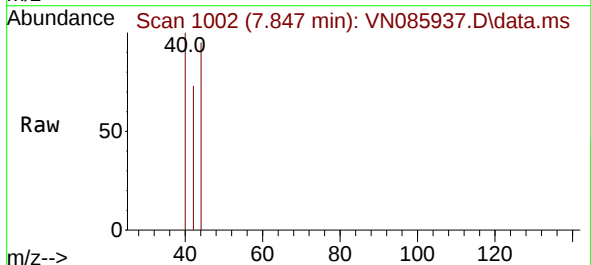
Instrument :
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ClientSampleId :
PB167050ZHE#04

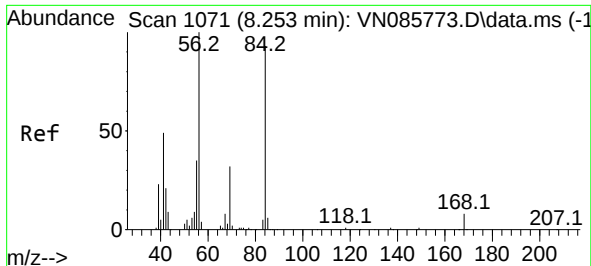
Tgt Ion: 43 Resp: 4045
Ion Ratio Lower Upper
43 100
72 32.9 23.6 35.4



#29
Tetrahydrofuran
Concen: 0.335 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.018 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Tgt Ion: 42 Resp: 208
Ion Ratio Lower Upper
42 100
72 0.0 40.0 60.0#
71 0.0 37.0 55.4#

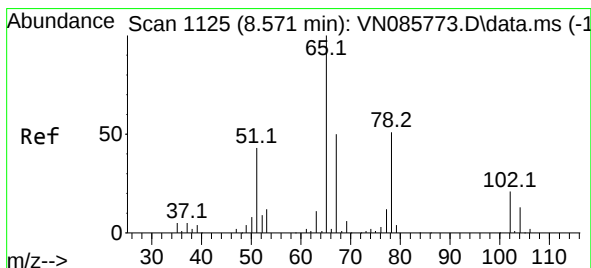
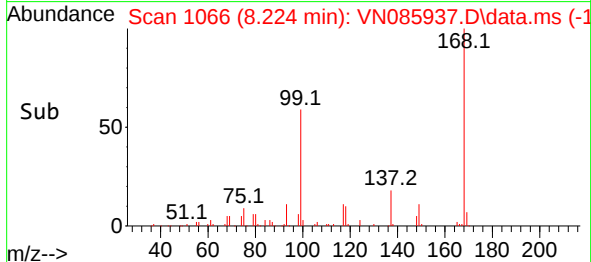
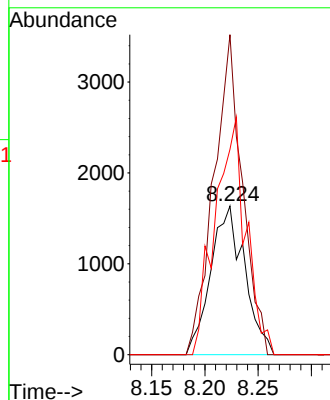
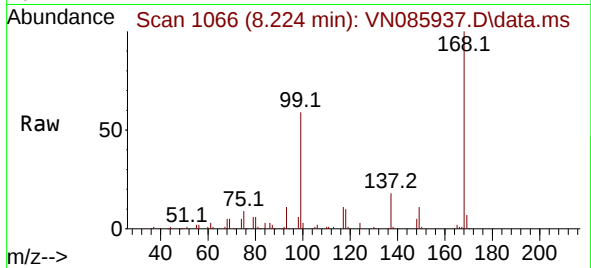




#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

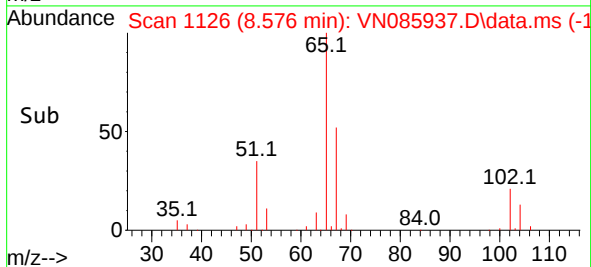
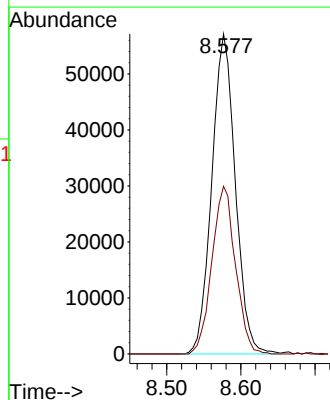
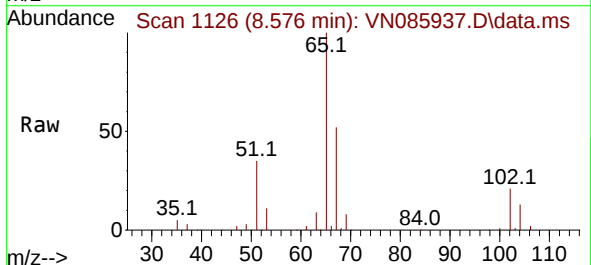
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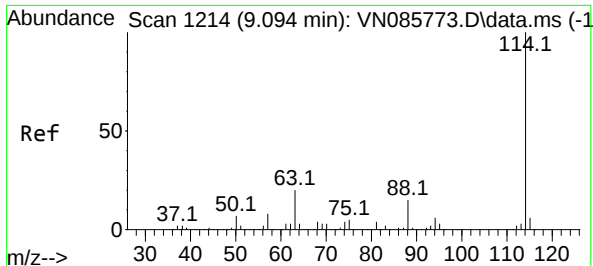
Tgt Ion: 56 Resp: 3612
Ion Ratio Lower Upper
56 100
69 215.3 25.8 38.6#
84 138.1 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 61.062 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Tgt Ion: 65 Resp: 126084
Ion Ratio Lower Upper
65 100
67 52.4 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: VN085937.D

Acq: 11 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#04

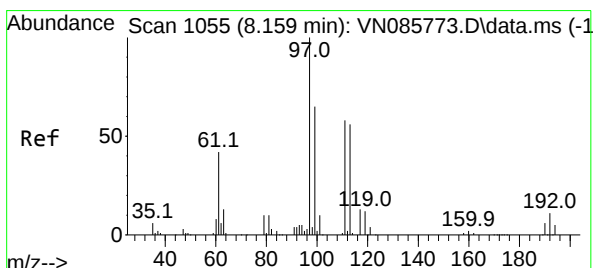
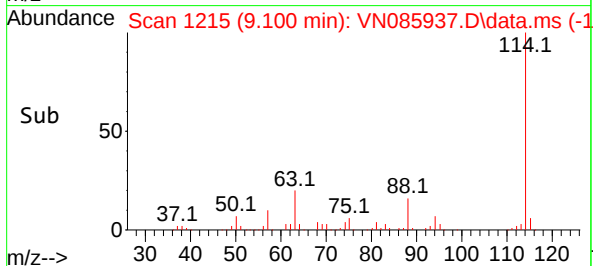
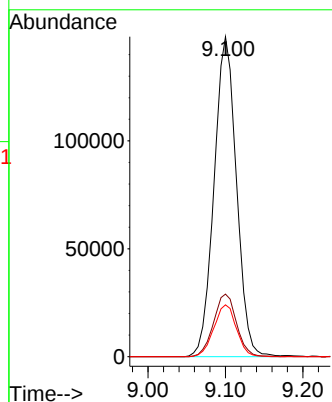
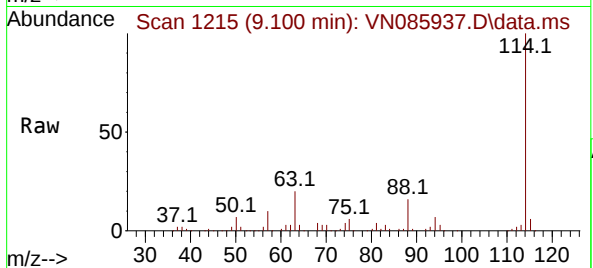
Tgt Ion:114 Resp: 297554

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

88 16.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.753 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085937.D

Acq: 11 Mar 2025 17:28

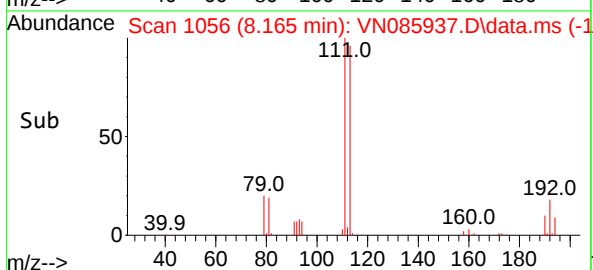
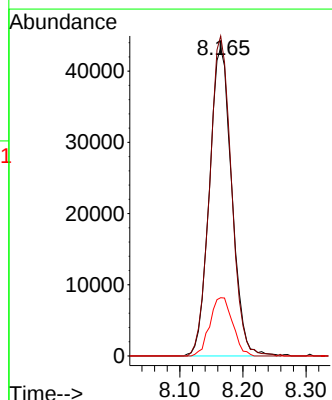
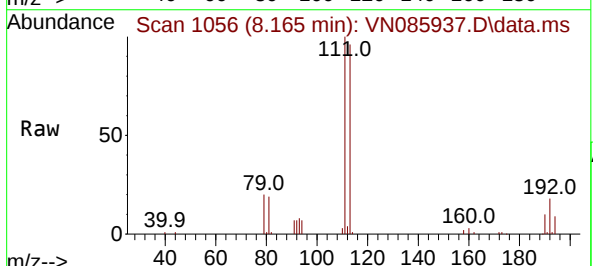
Tgt Ion:113 Resp: 106607

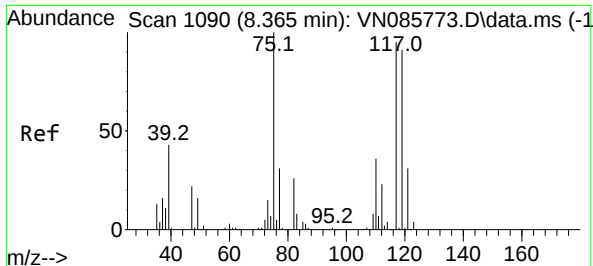
Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

192 19.2 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.831 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085937.D

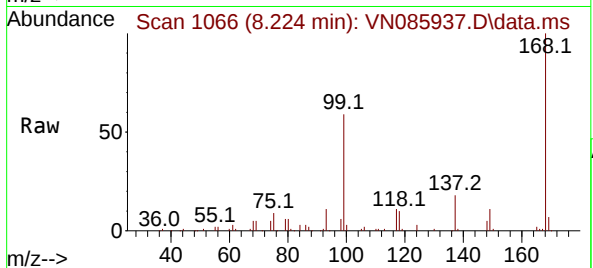
Acq: 11 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#04



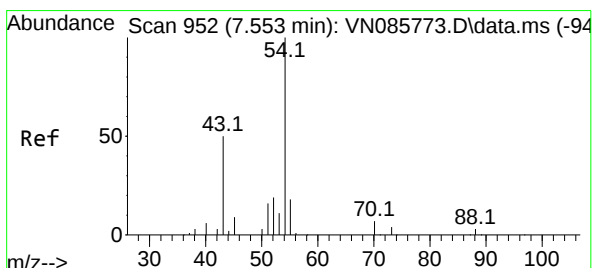
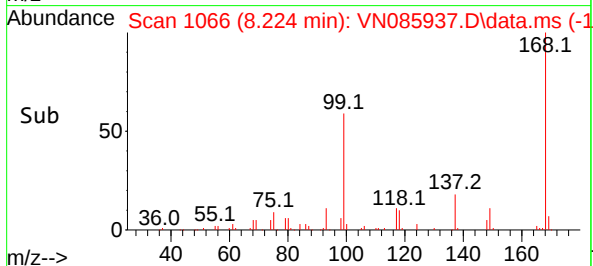
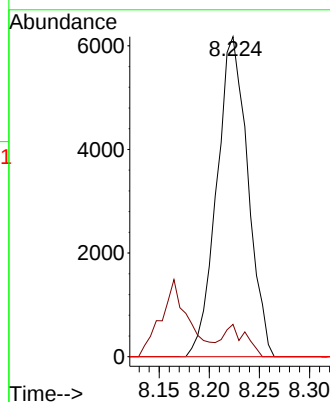
Tgt Ion: 75 Resp: 13313

Ion Ratio Lower Upper

75 100

110 7.2 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.700 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.018 min

Lab File: VN085937.D

Acq: 11 Mar 2025 17:28

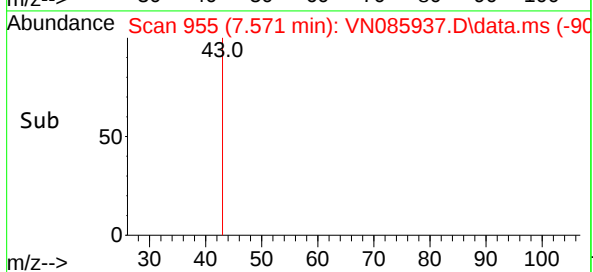
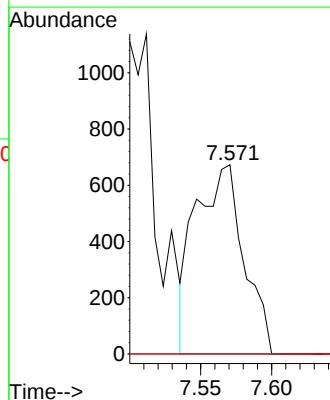
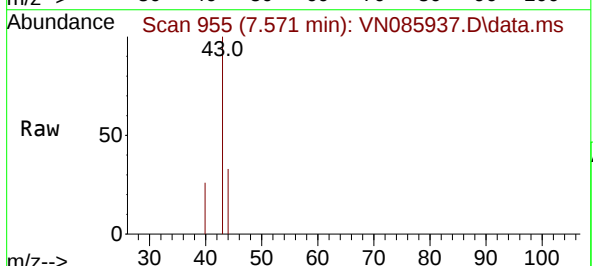
Tgt Ion: 43 Resp: 1587

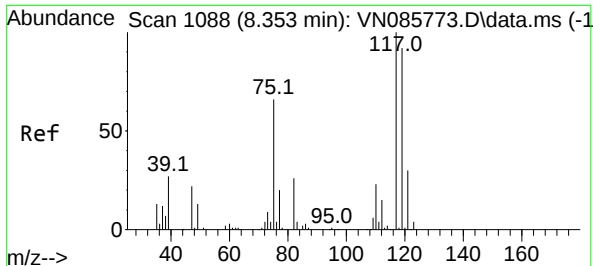
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

70 0.0 9.5 14.3#

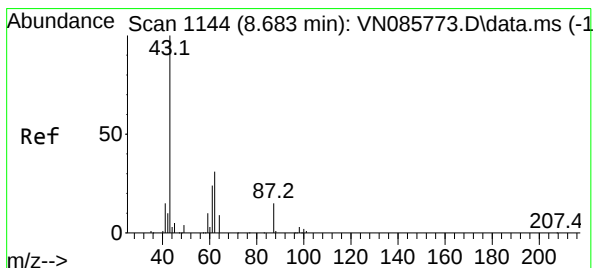
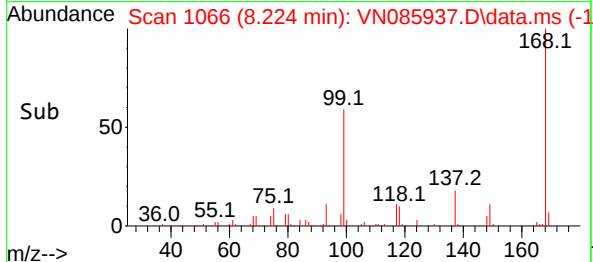
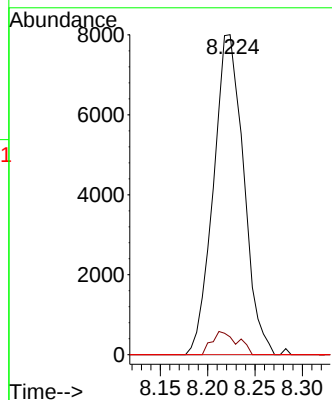
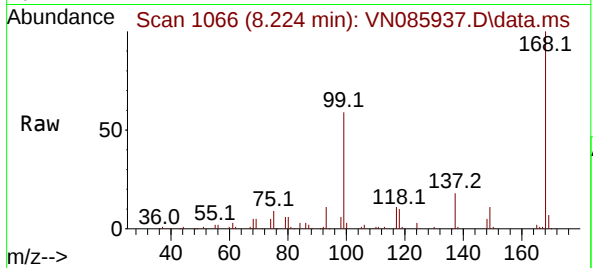




#38
Carbon Tetrachloride
Concen: 5.426 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.130 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

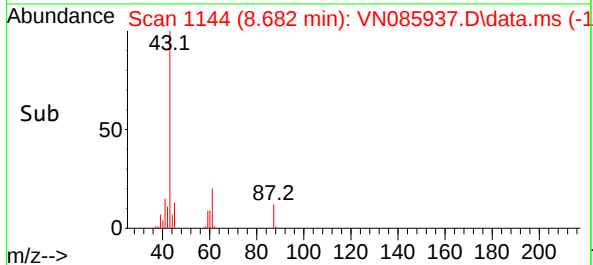
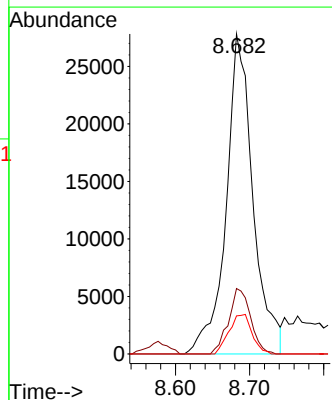
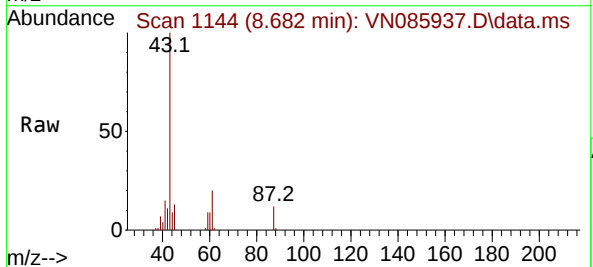
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#04

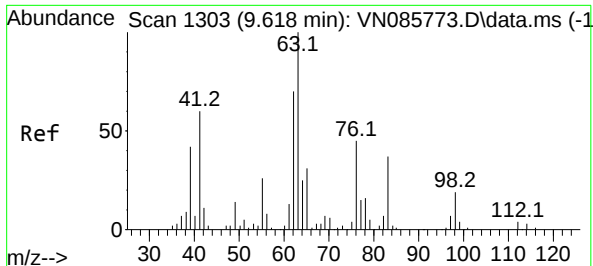
Tgt Ion:117 Resp: 17765
Ion Ratio Lower Upper
117 100
119 5.5 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 17.242 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Tgt Ion: 43 Resp: 70043
Ion Ratio Lower Upper
43 100
61 16.8 22.6 34.0#
87 10.6 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.506 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085937.D

Acq: 11 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

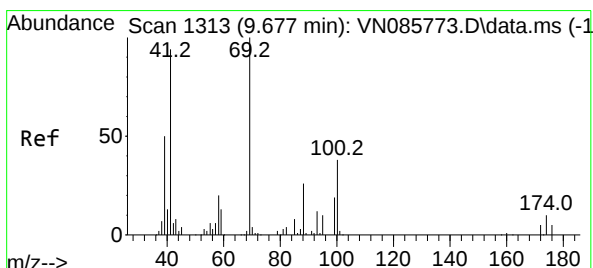
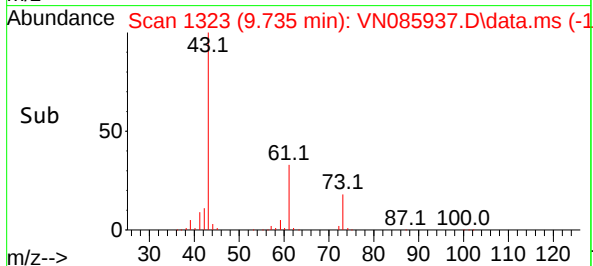
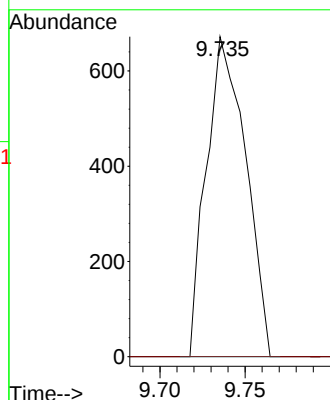
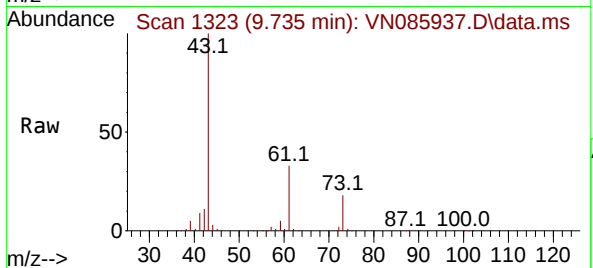
PB167050ZHE#04

Tgt Ion: 63 Resp: 1078

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 42.797 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085937.D

Acq: 11 Mar 2025 17:28

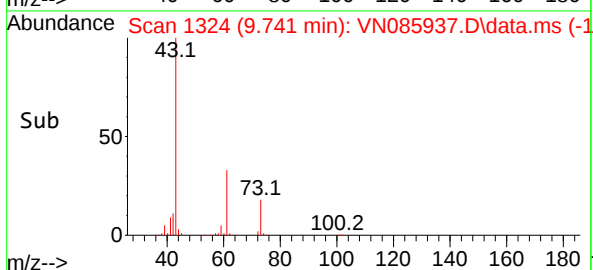
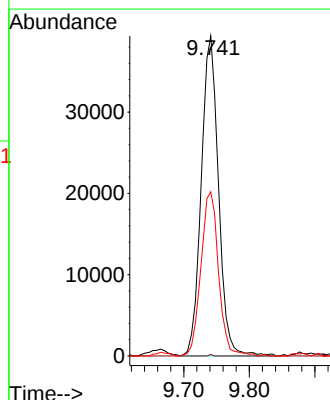
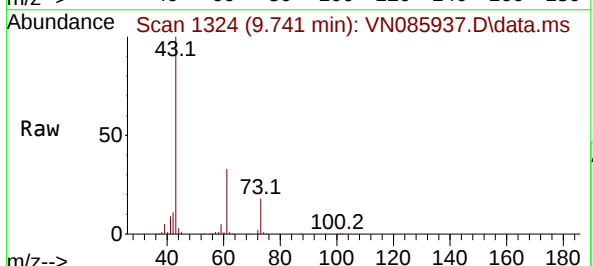
Tgt Ion: 41 Resp: 72076

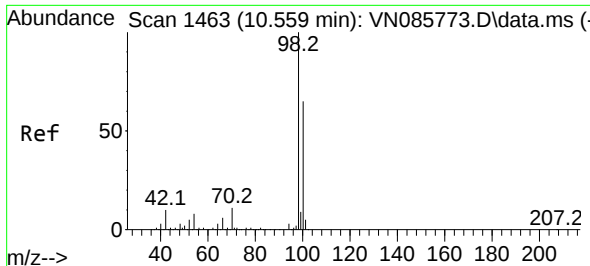
Ion Ratio Lower Upper

41 100

69 0.1 76.0 114.0#

39 52.3 42.3 63.5

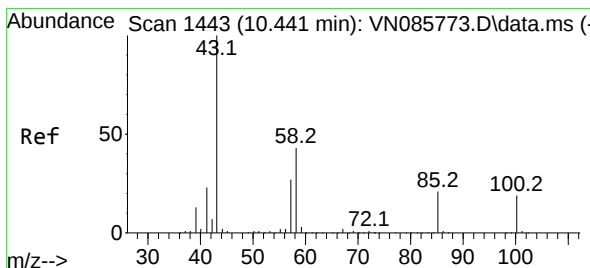
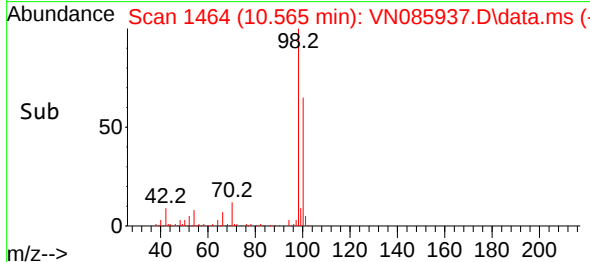
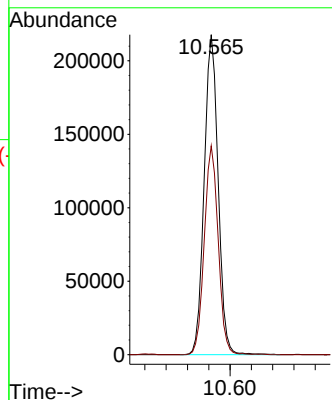
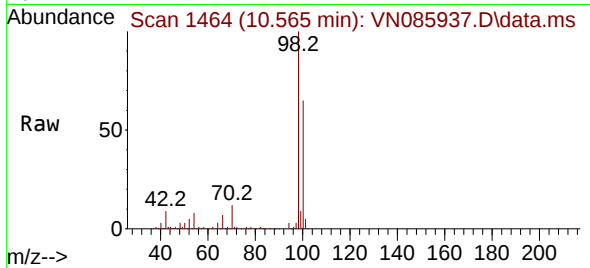




#50
Toluene-d8
Concen: 55.903 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

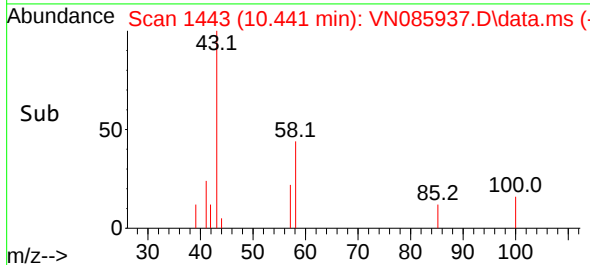
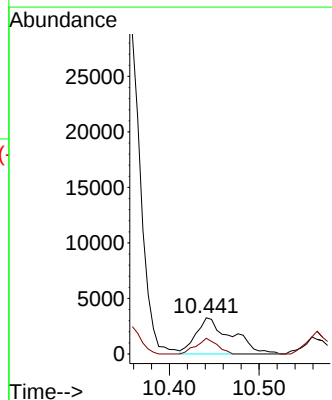
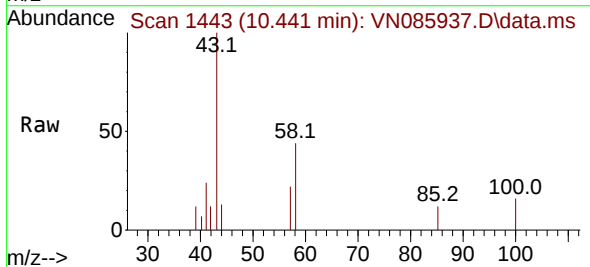
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#04

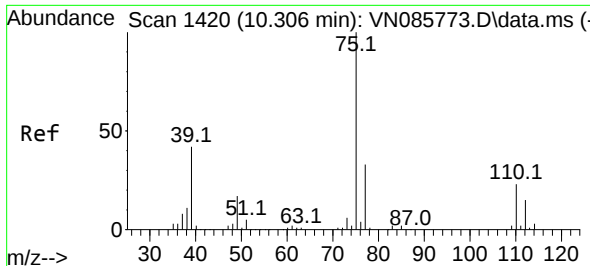
Tgt Ion: 98 Resp: 396017
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.070 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Tgt Ion: 43 Resp: 8899
Ion Ratio Lower Upper
43 100
58 25.7 34.6 52.0#

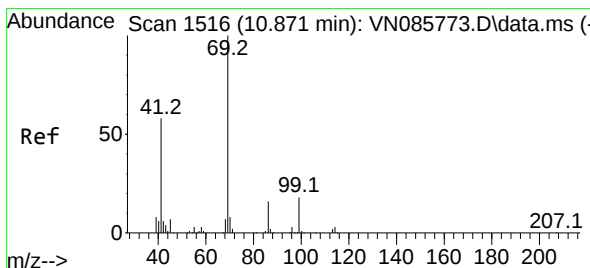
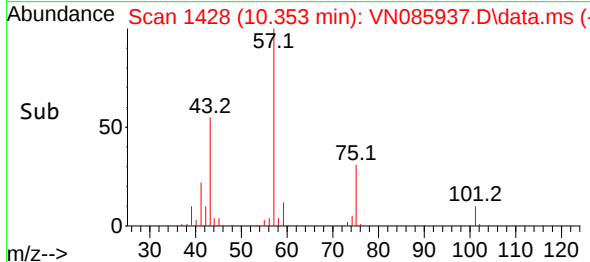
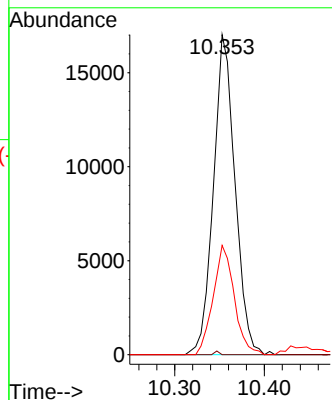
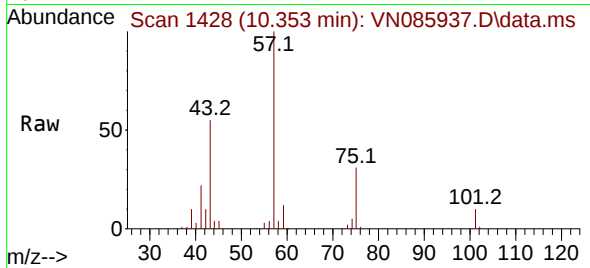




#54
 cis-1,3-Dichloropropene
 Concen: 8.710 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085937.D
 Acq: 11 Mar 2025 17:28

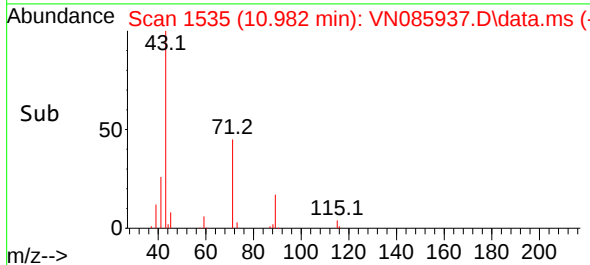
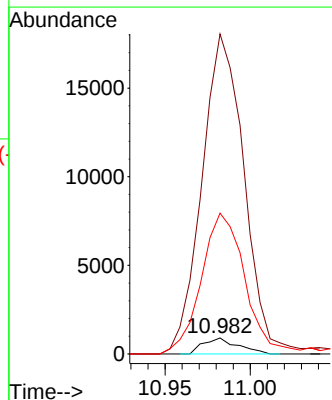
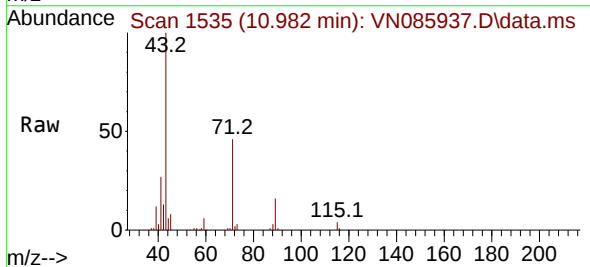
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#04

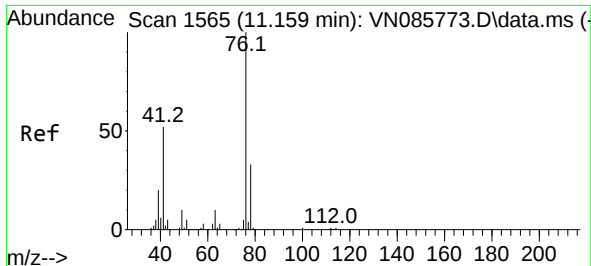
Tgt Ion: 75 Resp: 28414
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 34.2 33.4 50.0



#56
 Ethyl methacrylate
 Concen: 0.938 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085937.D
 Acq: 11 Mar 2025 17:28

Tgt Ion: 69 Resp: 1270
 Ion Ratio Lower Upper
 69 100
 41 2457.5 46.0 69.0#
 39 1112.0 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.056 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN085937.D

Acq: 11 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

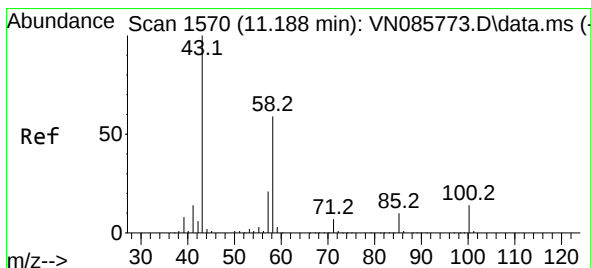
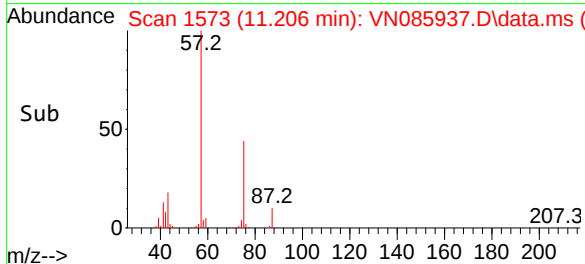
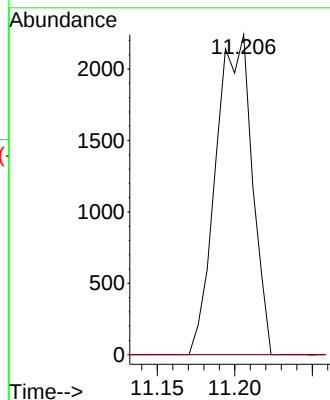
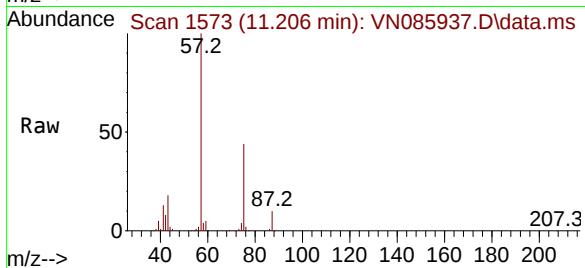
PB167050ZHE#04

Tgt Ion: 76 Resp: 3628

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 30.262 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085937.D

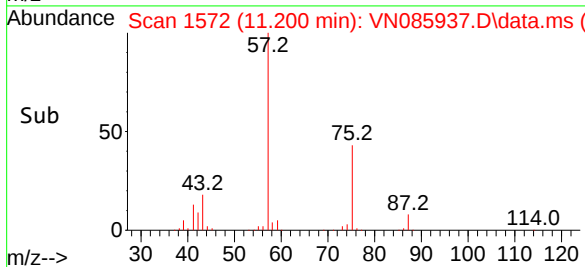
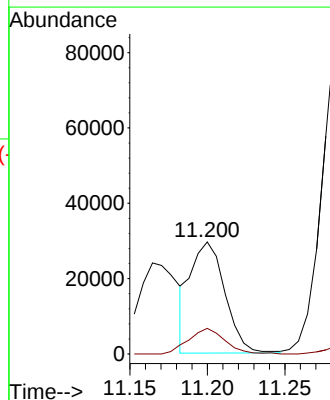
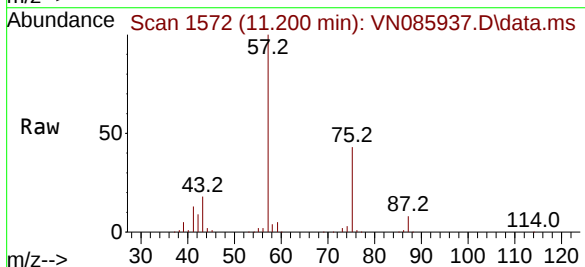
Acq: 11 Mar 2025 17:28

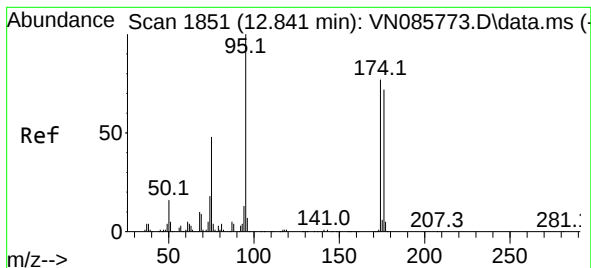
Tgt Ion: 43 Resp: 45517

Ion Ratio Lower Upper

43 100

58 24.4 29.8 89.5#

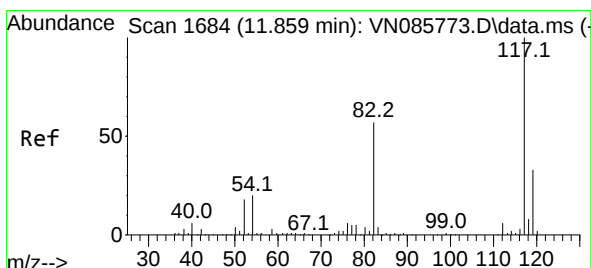
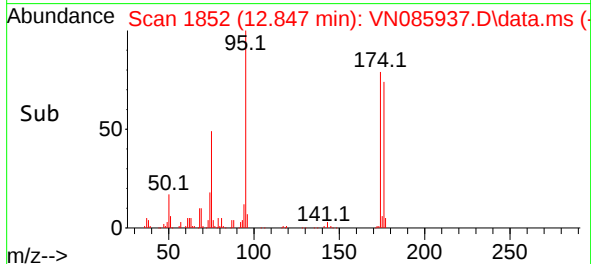
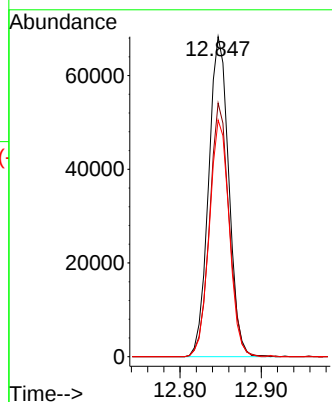
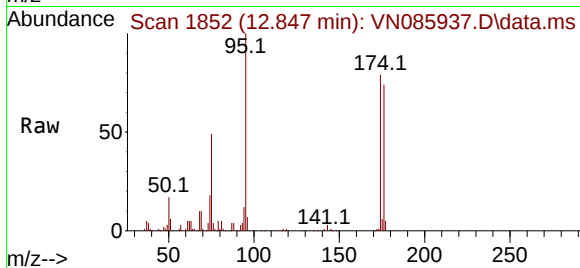




#62
4-Bromofluorobenzene
Concen: 50.418 ug/l
RT: 12.847 min Scan# 117676
Delta R.T. 0.006 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

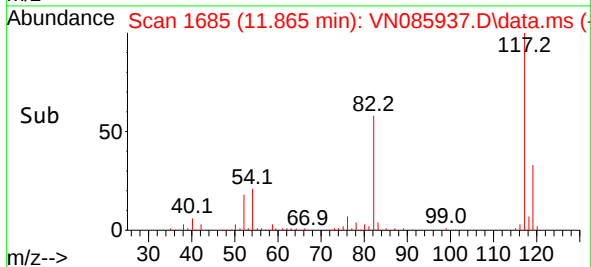
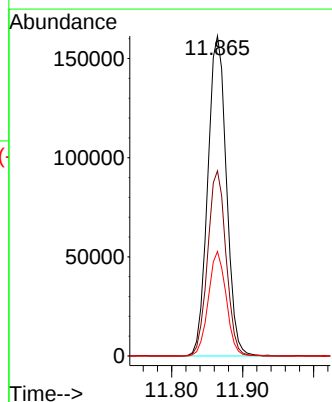
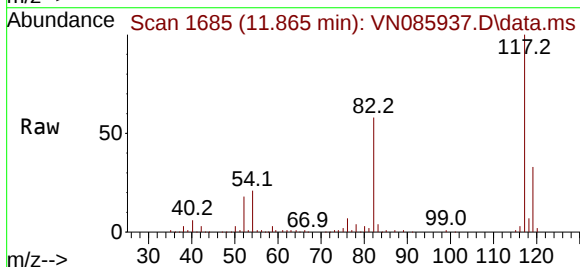
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#04

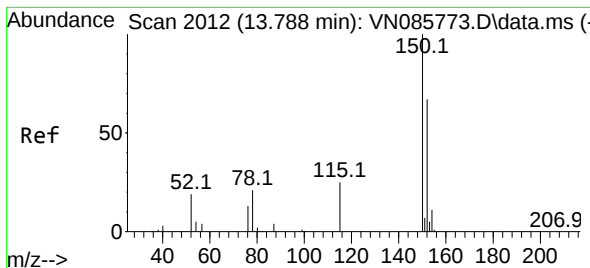
Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	152.4
176	73.0	0.0	146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.7	68.5
119	32.6	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN085937.D

Acq: 11 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#04

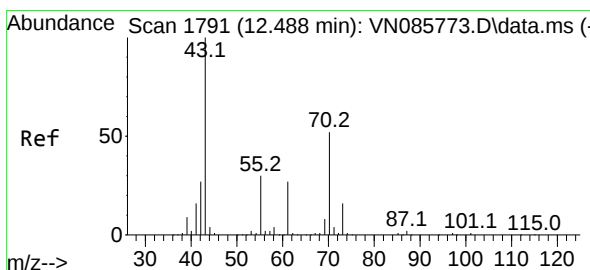
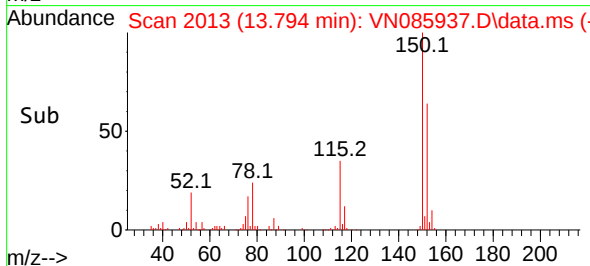
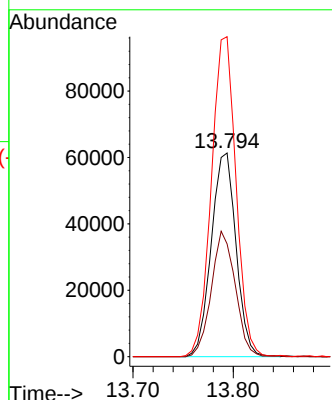
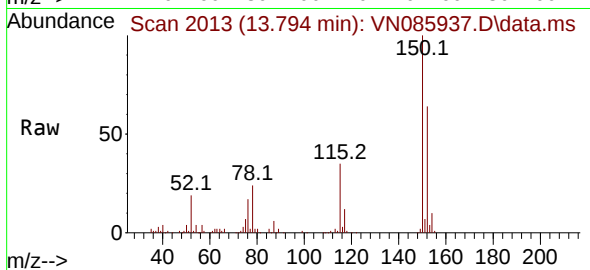
Tgt Ion:152 Resp: 105392

Ion Ratio Lower Upper

152 100

115 59.5 30.4 91.3

150 156.3 0.0 345.4



#74

N-ethyl acetate

Concen: 0.428 ug/l

RT: 12.464 min Scan# 1787

Delta R.T. -0.024 min

Lab File: VN085937.D

Acq: 11 Mar 2025 17:28

Tgt Ion: 43 Resp: 1090

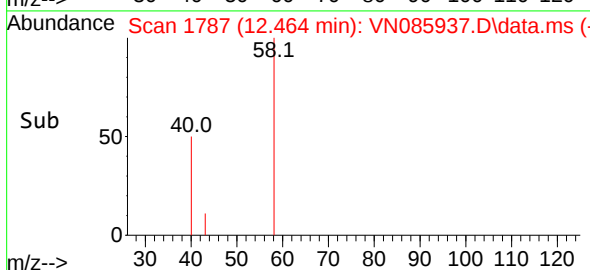
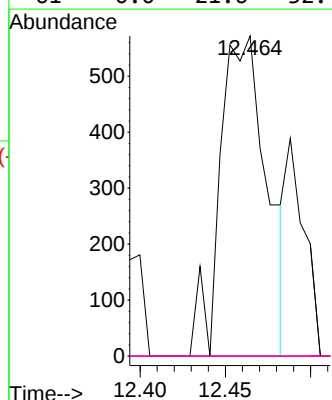
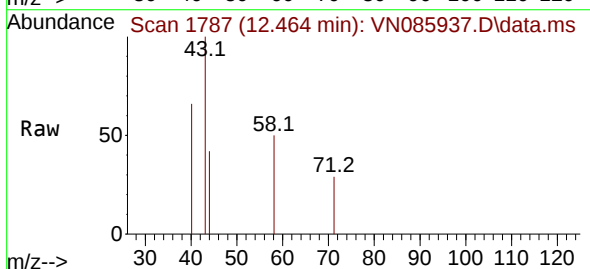
Ion Ratio Lower Upper

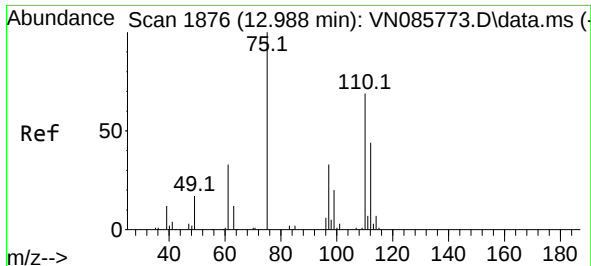
43 100

70 0.0 41.0 61.4#

55 0.0 24.6 36.8#

61 0.0 21.6 32.4#

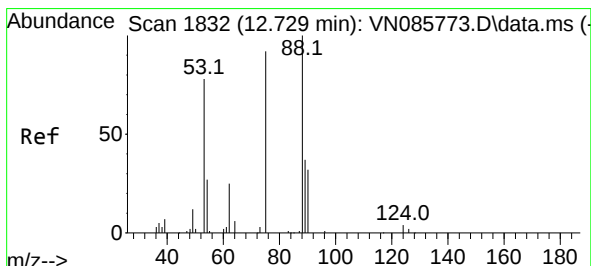
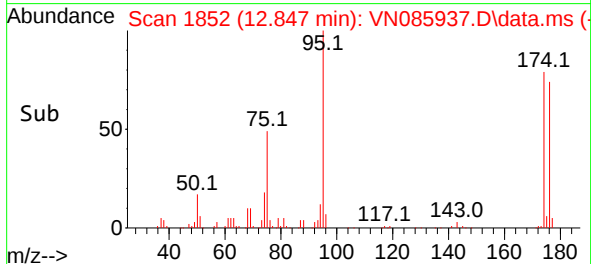
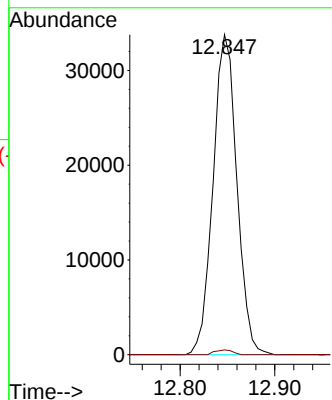
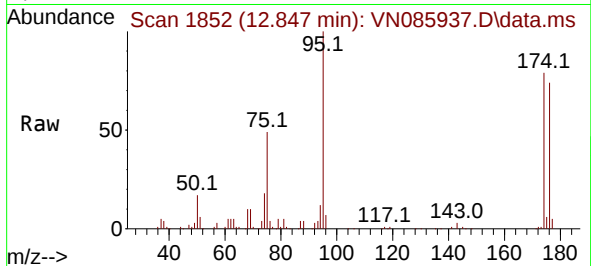




#76
1,2,3-Trichloropropane
Concen: 25.183 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#04

Tgt Ion: 75 Resp: 58956
Ion Ratio Lower Upper
75 100
77 1.1 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.478 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.117 min
Lab File: VN085937.D
Acq: 11 Mar 2025 17:28

Tgt Ion: 75 Resp: 58956
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

