

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085942.D
 Acq On : 11 Mar 2025 19:29
 Operator : JC\MD
 Sample : PB167050ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#09

Quant Time: Mar 12 01:28:24 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)

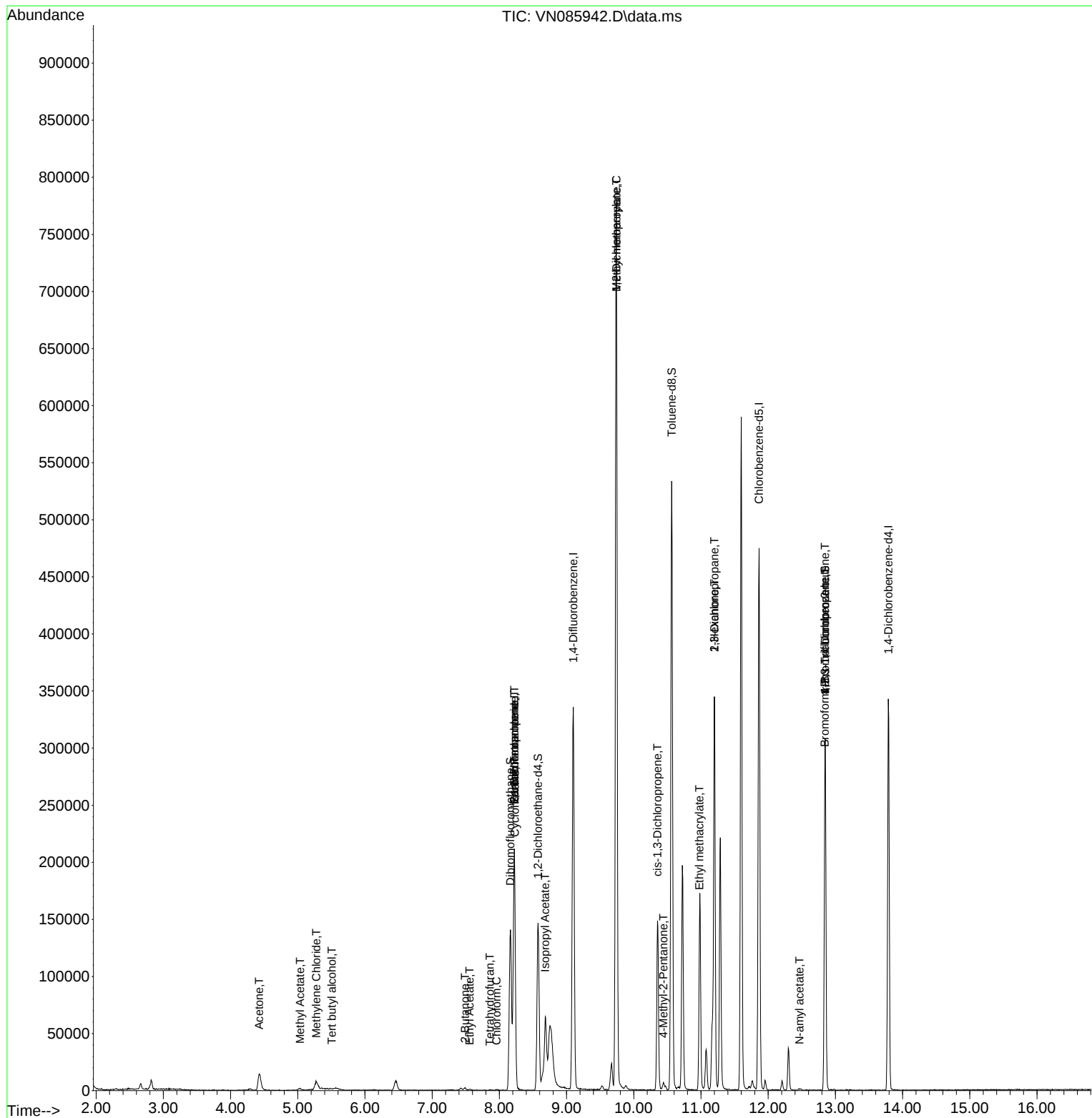
Internal Standards						
1) Pentafluorobenzene	8.224	168	145638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122146	64.691	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 129.380%#			
35) Dibromofluoromethane	8.165	113	103786	53.853	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.700%			
50) Toluene-d8	10.565	98	375171	53.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.020%			
62) 4-Bromofluorobenzene	12.847	95	107397	46.487	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.980%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	77	0.332	ug/l #	72
16) Acetone	4.424	43	28527	47.748	ug/l	96
18) Methyl Acetate	5.036	43	3379	1.644	ug/l #	82
20) Methylene Chloride	5.277	84	5344	2.781	ug/l	93
25) 2-Butanone	7.488	43	3202	3.643	ug/l	92
29) Tetrahydrofuran	7.859	42	183	0.322	ug/l #	29
30) Chloroform	7.959	83	759	0.225	ug/l #	77
31) Cyclohexane	8.230	56	3325	1.233	ug/l #	6
36) 1,1-Dichloropropene	8.224	75	12353	4.529	ug/l #	50
37) Ethyl Acetate	7.559	43	1476	0.658	ug/l #	78
38) Carbon Tetrachloride	8.224	117	15975	4.929	ug/l #	18
43) Isopropyl Acetate	8.682	43	79463	19.843	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	831	0.394	ug/l #	43
48) Methyl methacrylate	9.741	41	69464	41.671	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	4191	1.937	ug/l	97
54) cis-1,3-Dichloropropene	10.353	75	27728	8.587	ug/l #	67
56) Ethyl methacrylate	10.976	69	1318	0.962	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3735	1.098	ug/l #	42
59) 2-Hexanone	11.200	43	44041	29.582	ug/l #	50
71) Bromoform	12.841	173	641	0.383	ug/l #	27
74) N-amyl acetate	12.465	43	740	0.311	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	55326	25.290	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55326	73.792	ug/l #	13

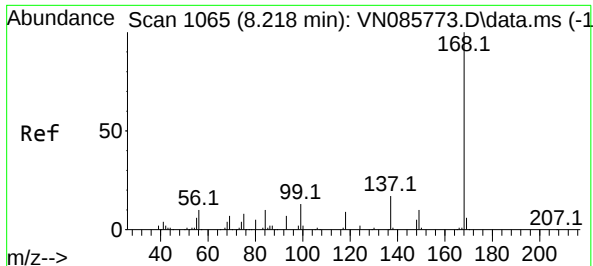
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

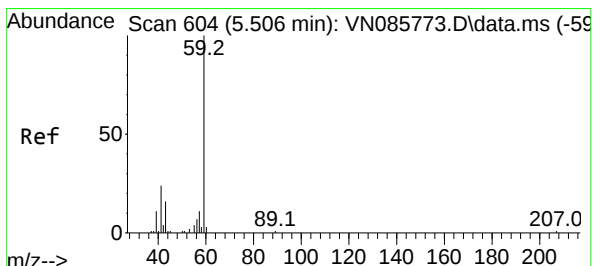
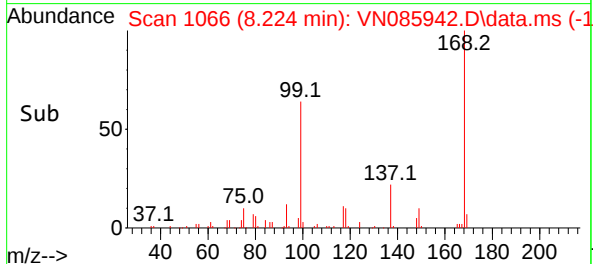
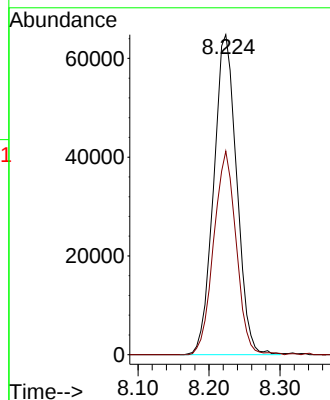
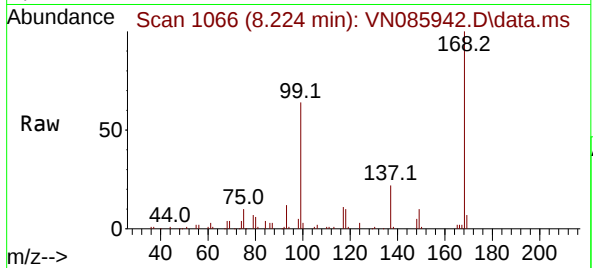




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

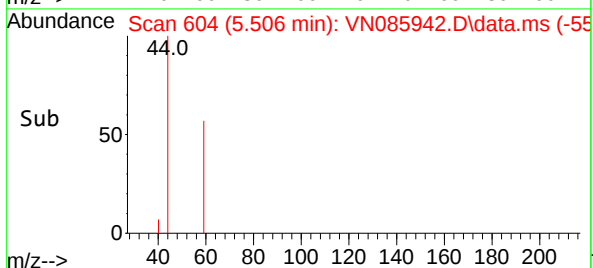
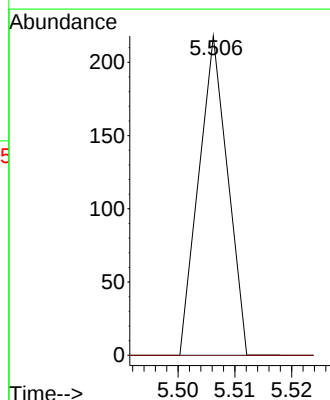
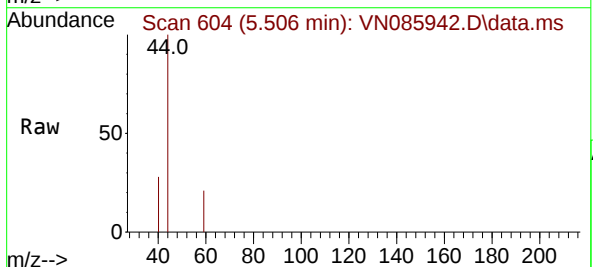
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#09

Tgt Ion:168 Resp: 145638
Ion Ratio Lower Upper
168 100
99 63.6 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.332 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.000 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

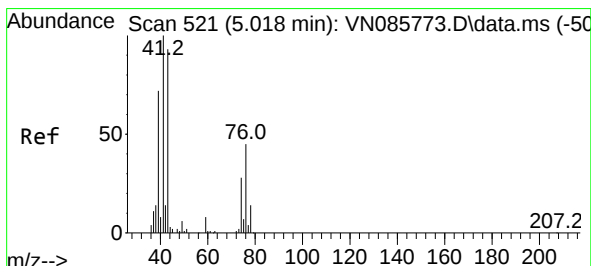
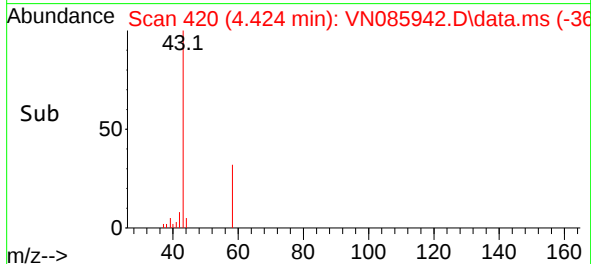
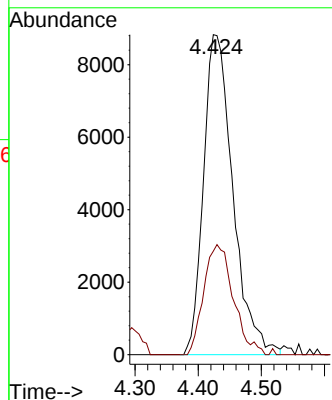
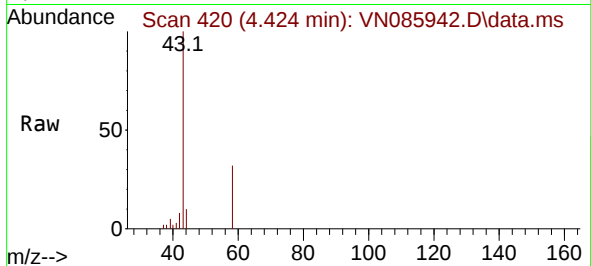




#16
Acetone
Concen: 47.748 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

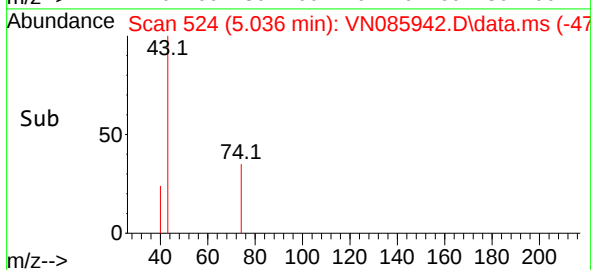
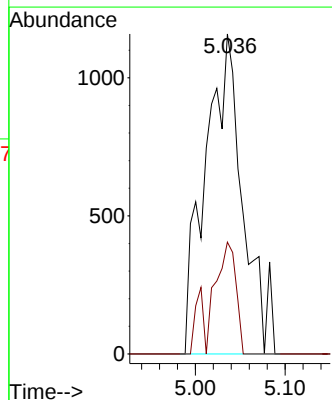
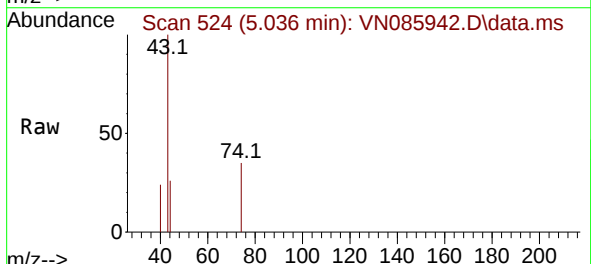
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#09

Tgt Ion: 43 Resp: 28527
Ion Ratio Lower Upper
43 100
58 32.4 27.5 41.3



#18
Methyl Acetate
Concen: 1.644 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

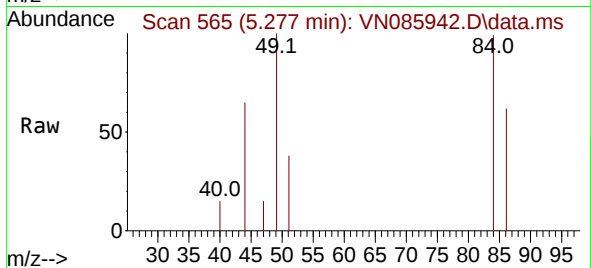
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
74 18.6 22.2 33.4#



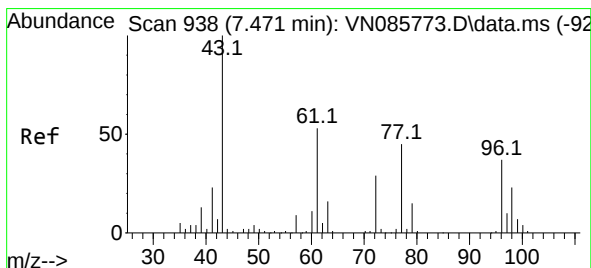
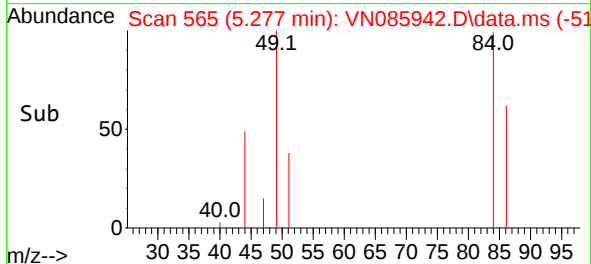
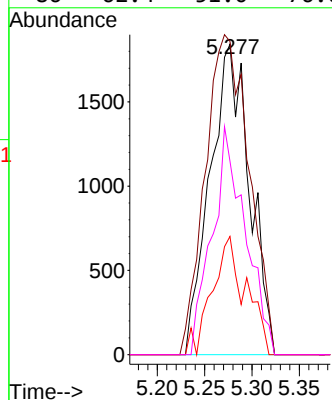


#20
Methylene Chloride
Concen: 2.781 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#09

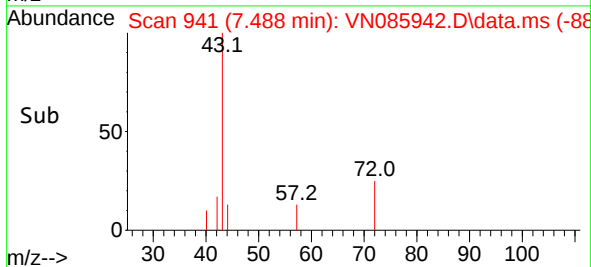
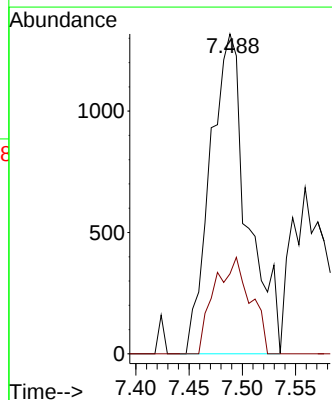
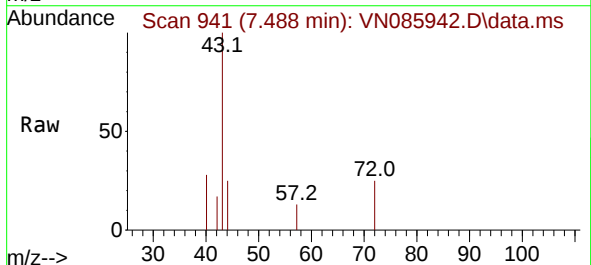


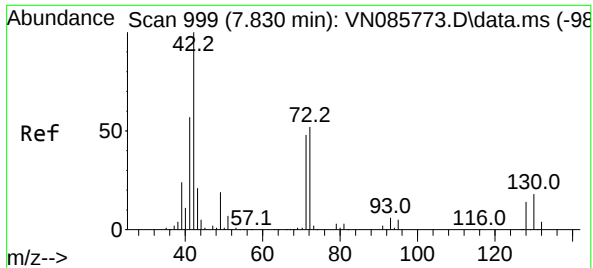
Tgt Ion: 84	Resp: 5344
Ion Ratio	Lower Upper
84 100	
49 100.9	88.4 132.6
51 38.1	26.6 40.0
86 62.4	51.0 76.6



#25
2-Butanone
Concen: 3.643 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

Tgt Ion: 43	Resp: 3202
Ion Ratio	Lower Upper
43 100	
72 25.0	23.6 35.4





#29

Tetrahydrofuran

Concen: 0.322 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.029 min

Lab File: VN085942.D

Acq: 11 Mar 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#09

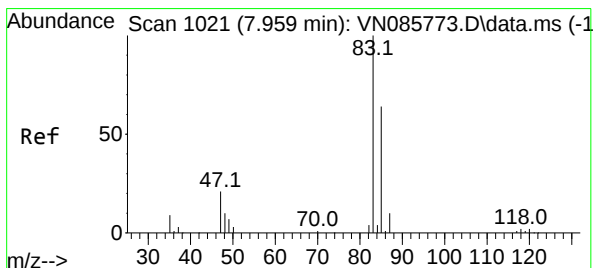
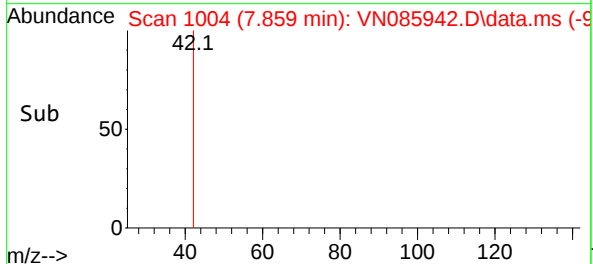
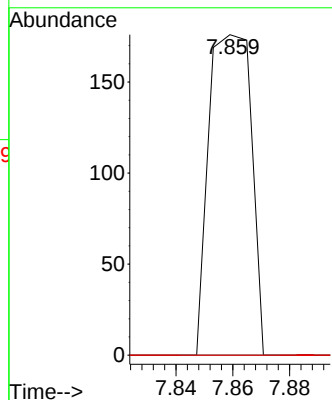
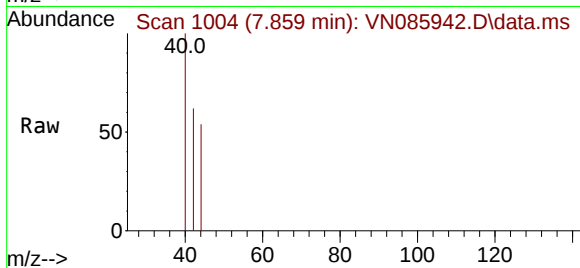
Tgt Ion: 42 Resp: 183

Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

71 0.0 37.0 55.4#



#30

Chloroform

Concen: 0.225 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085942.D

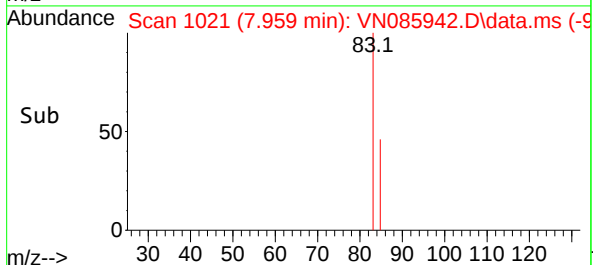
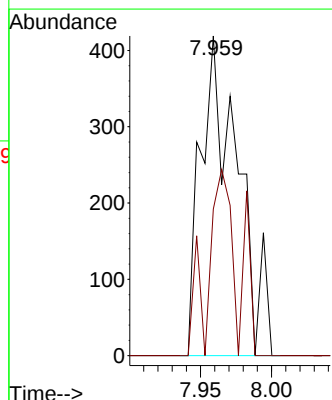
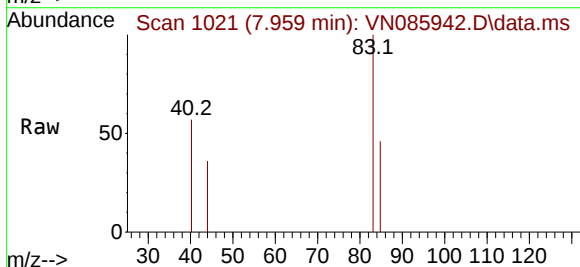
Acq: 11 Mar 2025 19:29

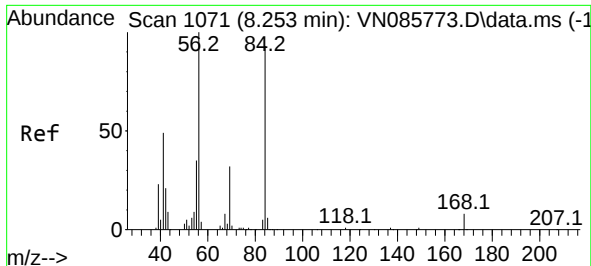
Tgt Ion: 83 Resp: 759

Ion Ratio Lower Upper

83 100

85 45.8 50.9 76.3#

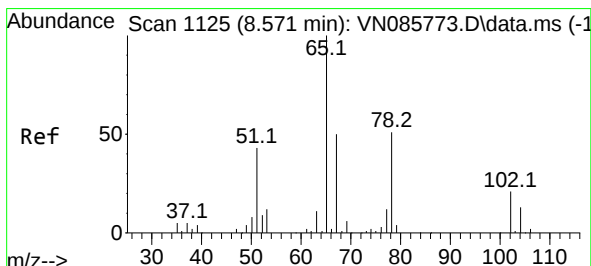
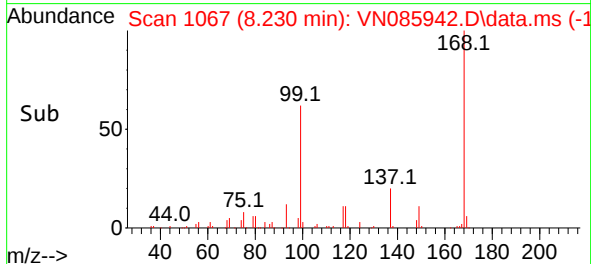
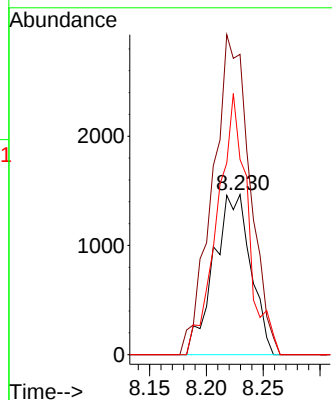
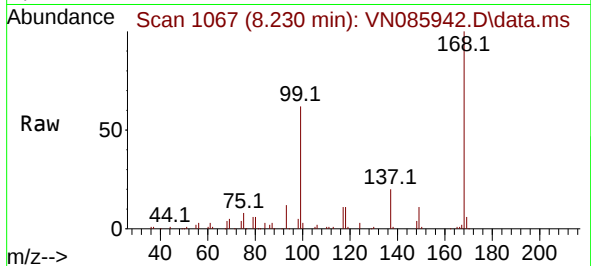




#31
Cyclohexane
Concen: 1.233 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

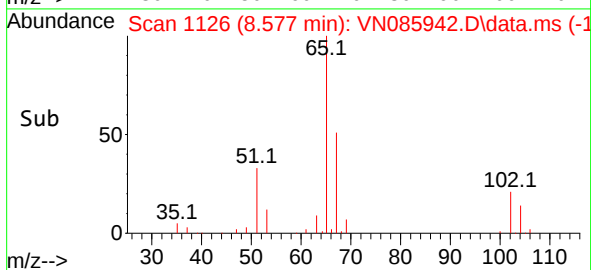
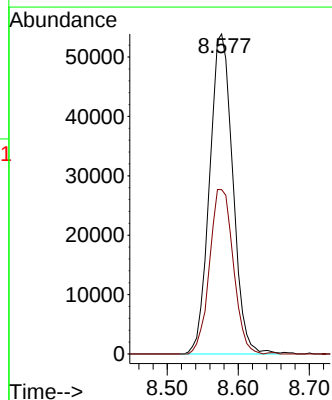
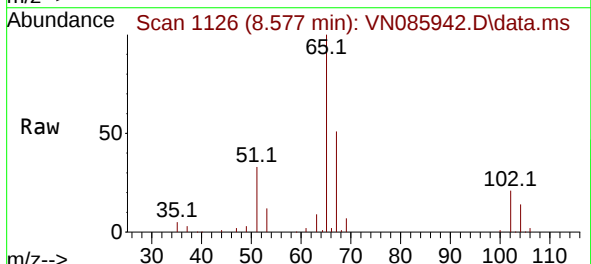
Instrument :
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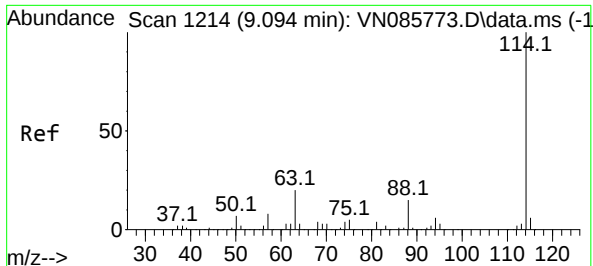
Tgt Ion: 56 Resp: 3325
Ion Ratio Lower Upper
56 100
69 187.5 25.8 38.6#
84 121.9 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 64.691 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

Tgt Ion: 65 Resp: 122146
Ion Ratio Lower Upper
65 100
67 52.6 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: VN085942.D

Acq: 11 Mar 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#09

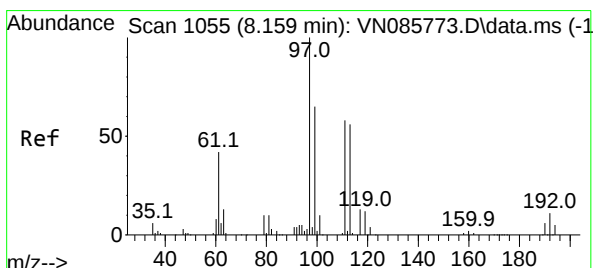
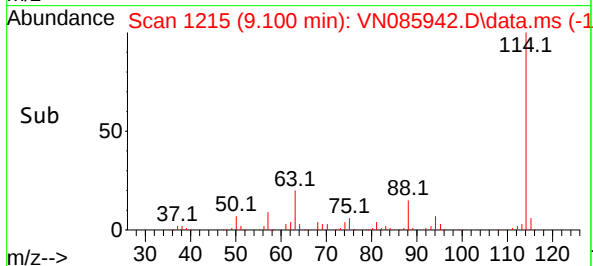
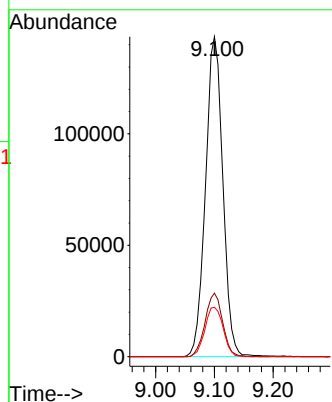
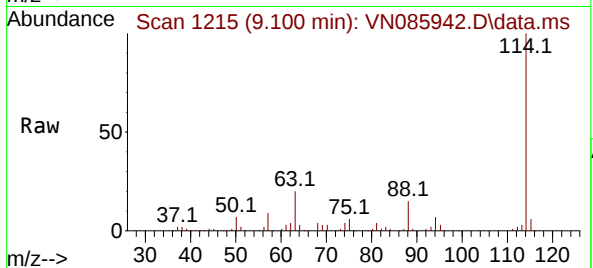
Tgt Ion:114 Resp: 294524

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 15.5 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.853 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085942.D

Acq: 11 Mar 2025 19:29

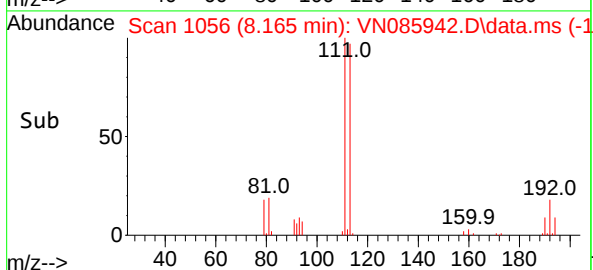
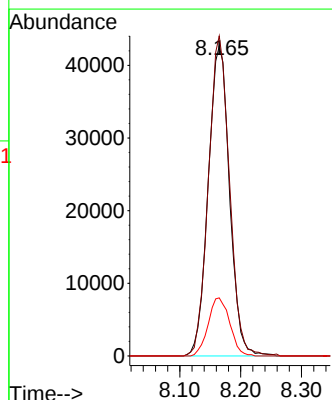
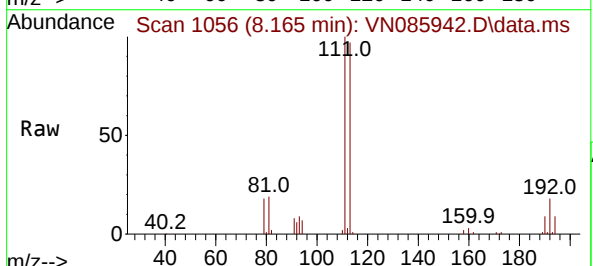
Tgt Ion:113 Resp: 103786

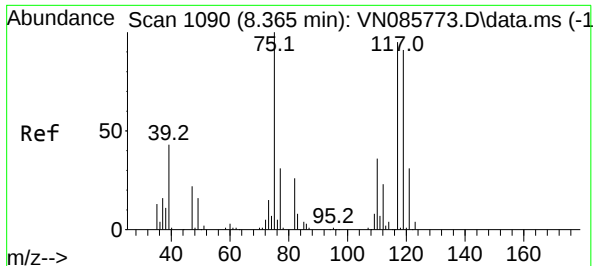
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 18.9 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.529 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085942.D

Acq: 11 Mar 2025 19:29

Instrument :

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ClientSampleId :

PB167050ZHE#09

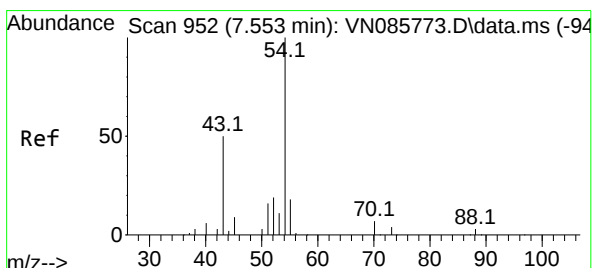
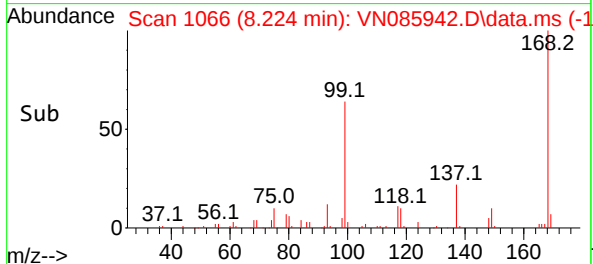
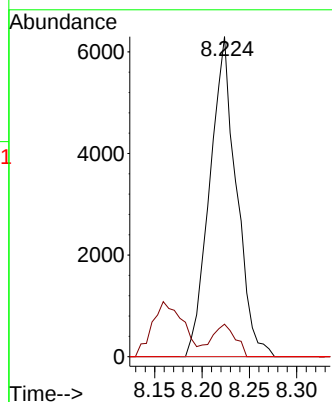
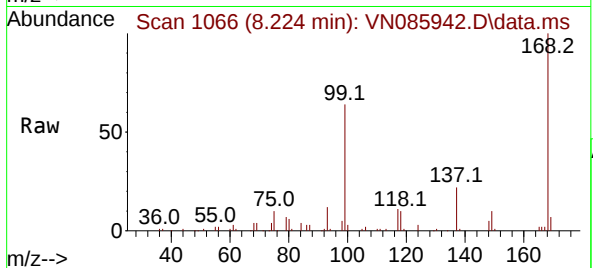
Tgt Ion: 75 Resp: 12353

Ion Ratio Lower Upper

75 100

110 8.6 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.658 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085942.D

Acq: 11 Mar 2025 19:29

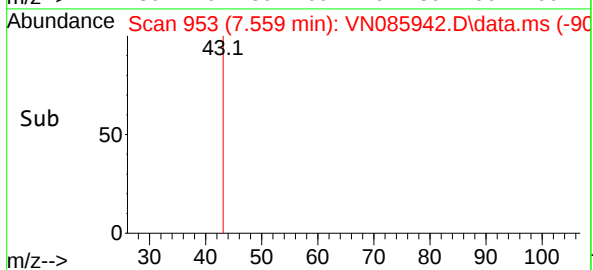
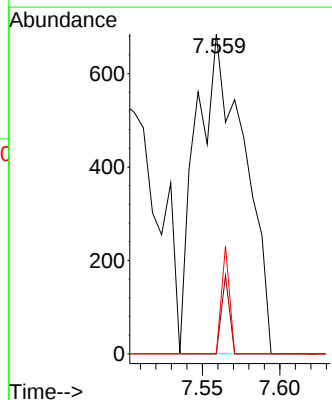
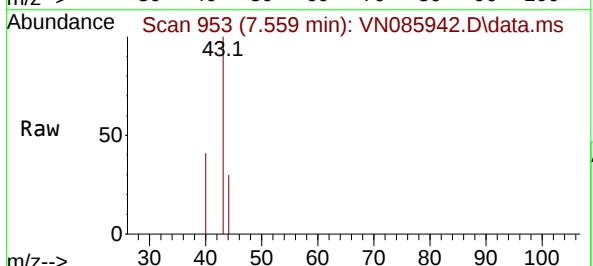
Tgt Ion: 43 Resp: 1476

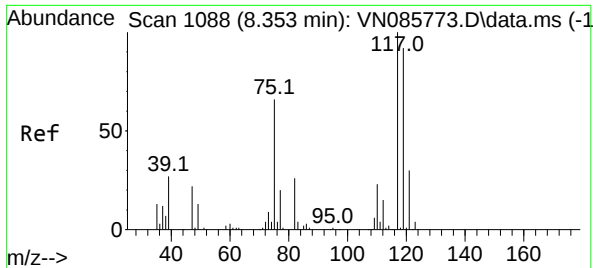
Ion Ratio Lower Upper

43 100

61 4.0 12.2 18.2#

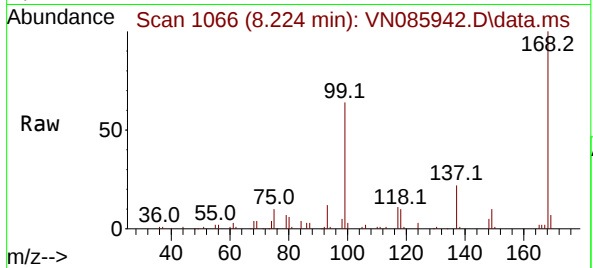
70 5.5 9.5 14.3#



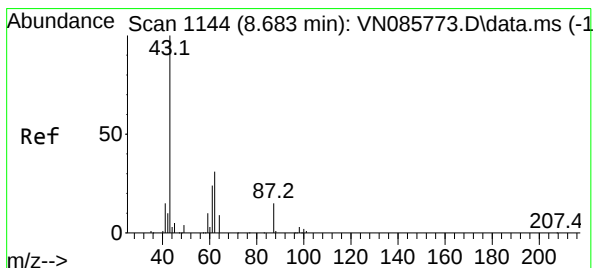
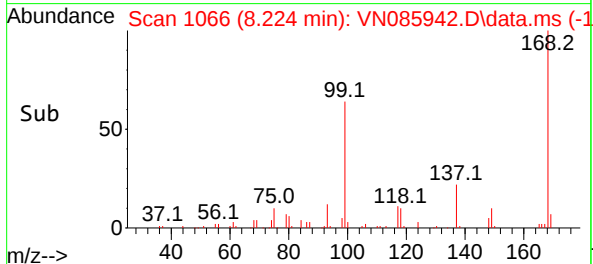
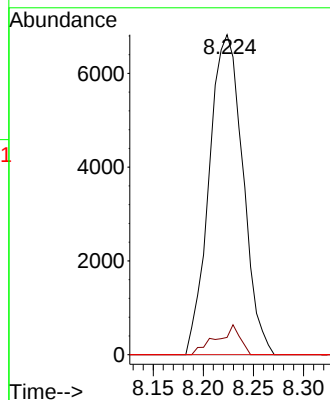


#38
Carbon Tetrachloride
Concen: 4.929 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#09

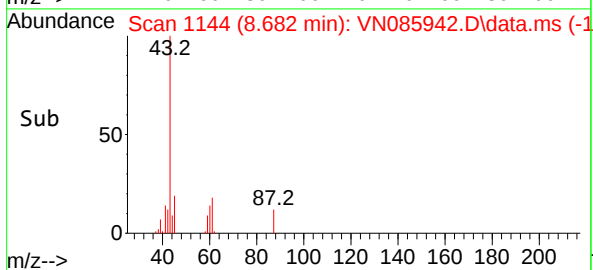
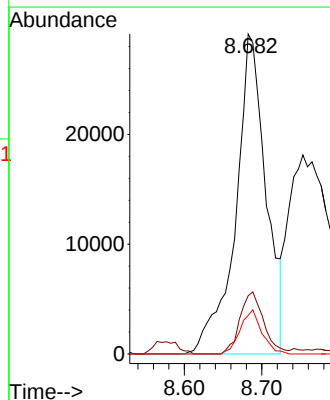
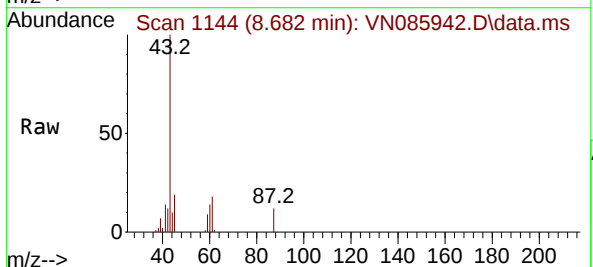


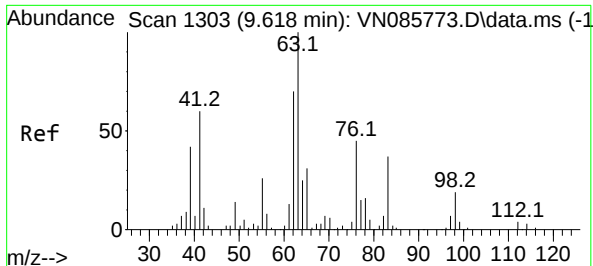
Tgt Ion:117 Resp: 15975
Ion Ratio Lower Upper
117 100
119 5.4 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 19.843 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

Tgt Ion: 43 Resp: 79463
Ion Ratio Lower Upper
43 100
61 15.2 22.6 34.0#
87 9.8 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.394 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN085942.D

Acq: 11 Mar 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

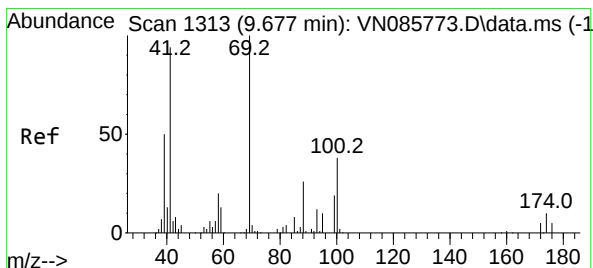
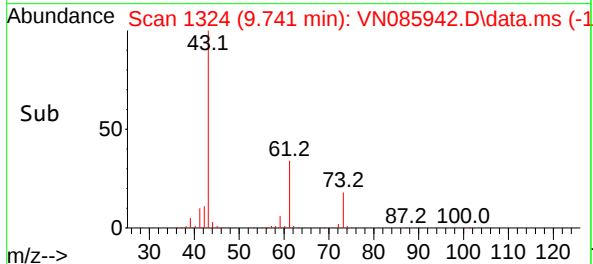
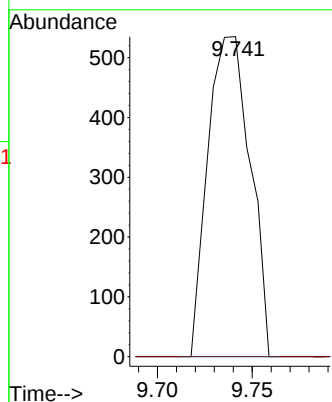
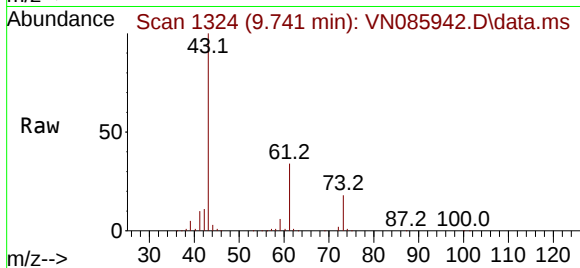
PB167050ZHE#09

Tgt Ion: 63 Resp: 831

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 41.671 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085942.D

Acq: 11 Mar 2025 19:29

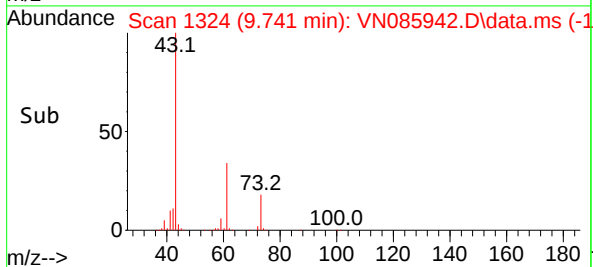
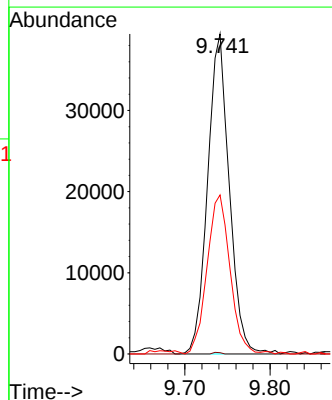
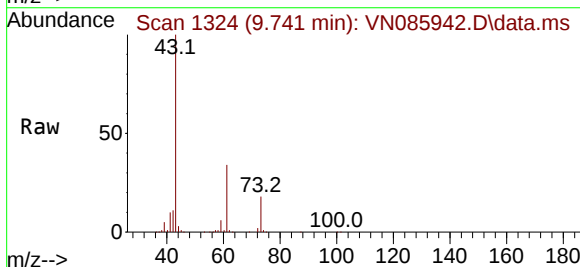
Tgt Ion: 41 Resp: 69464

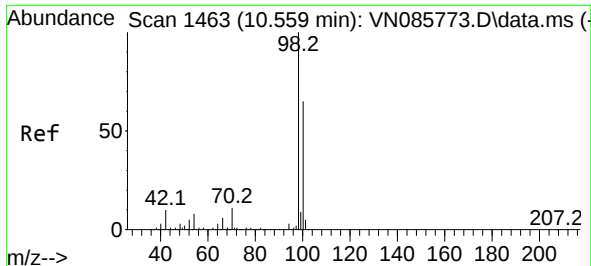
Ion Ratio Lower Upper

41 100

69 0.2 76.0 114.0#

39 52.9 42.3 63.5

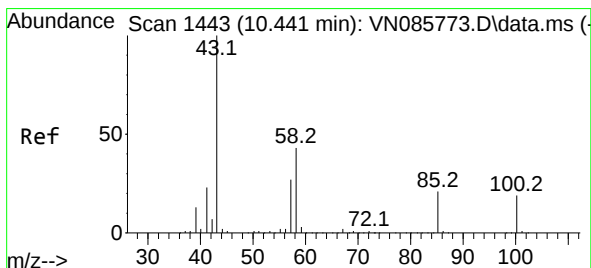
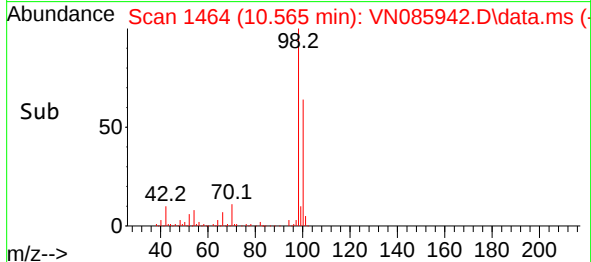
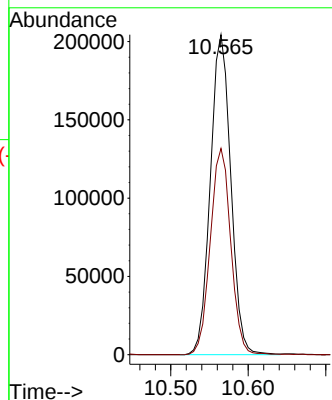
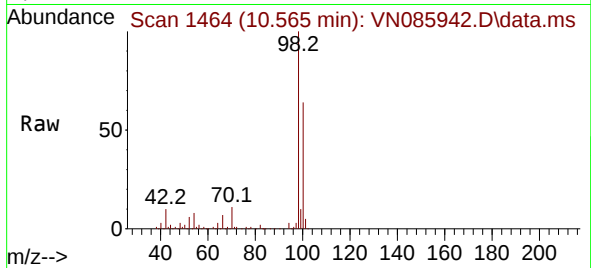




#50
Toluene-d8
Concen: 53.505 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

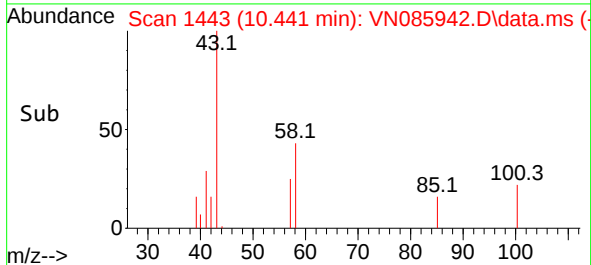
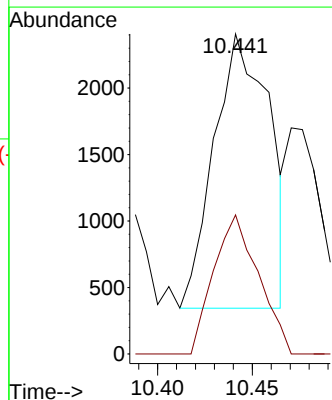
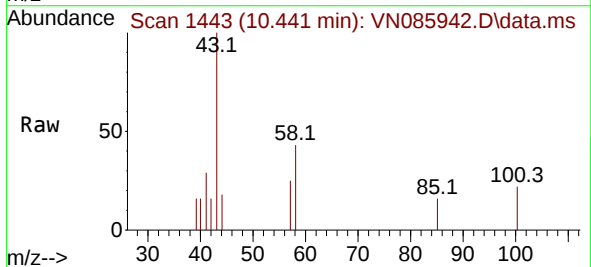
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#09

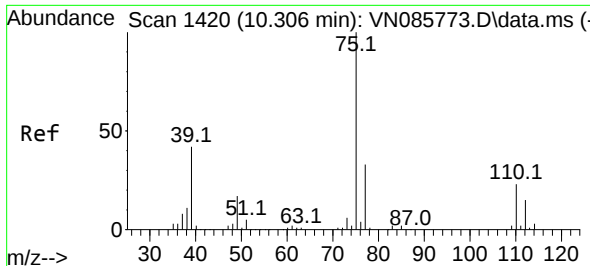
Tgt Ion: 98 Resp: 375171
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.937 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

Tgt Ion: 43 Resp: 4191
Ion Ratio Lower Upper
43 100
58 41.1 34.6 52.0

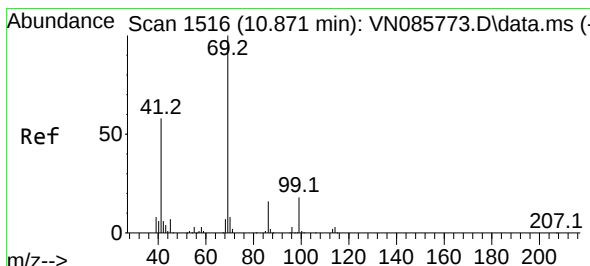
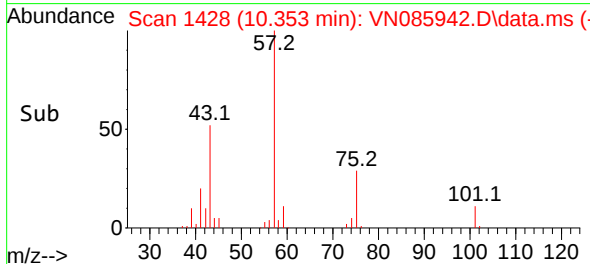
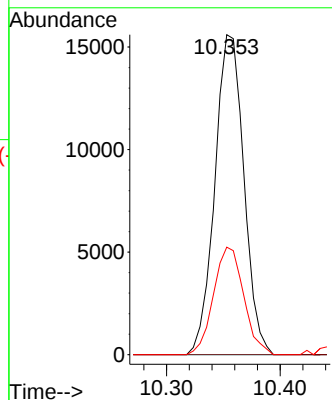
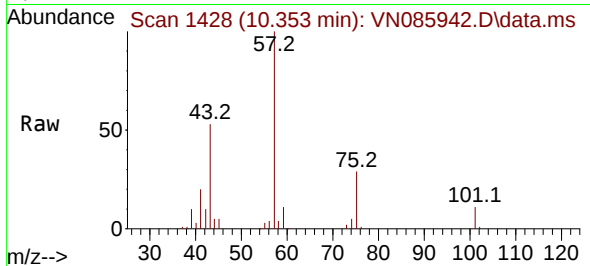




#54
 cis-1,3-Dichloropropene
 Concen: 8.587 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085942.D
 Acq: 11 Mar 2025 19:29

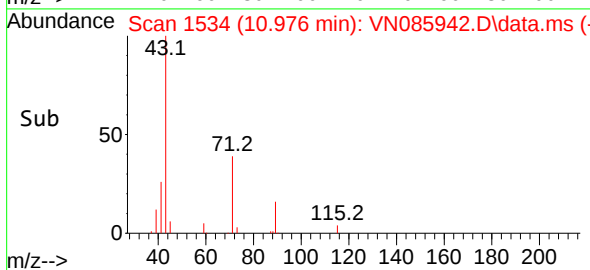
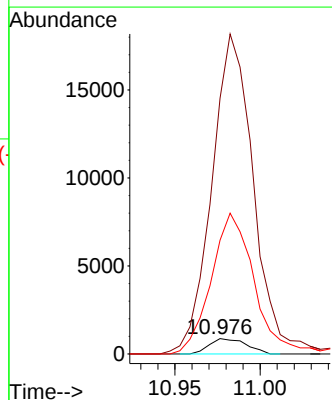
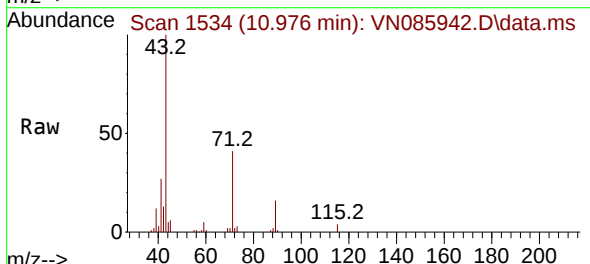
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#09

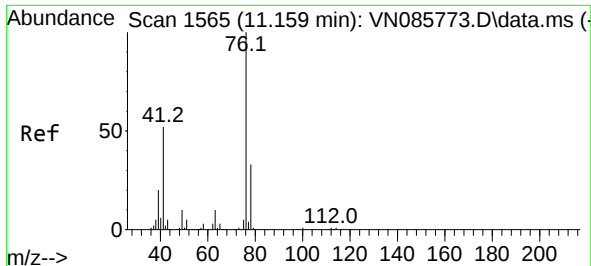
Tgt Ion: 75 Resp: 27728
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 33.6 33.4 50.0



#56
 Ethyl methacrylate
 Concen: 0.962 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.105 min
 Lab File: VN085942.D
 Acq: 11 Mar 2025 19:29

Tgt Ion: 69 Resp: 1318
 Ion Ratio Lower Upper
 69 100
 41 2354.4 46.0 69.0#
 39 1064.6 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.098 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085942.D

Acq: 11 Mar 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

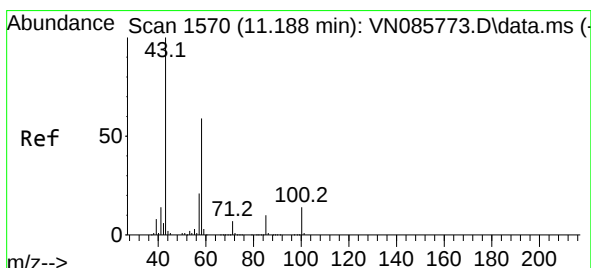
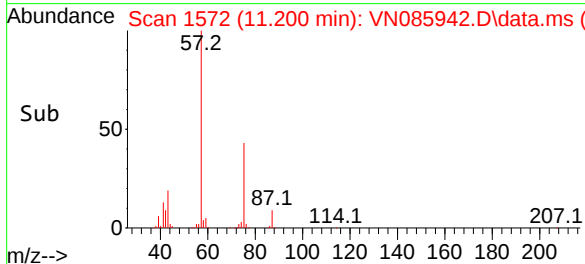
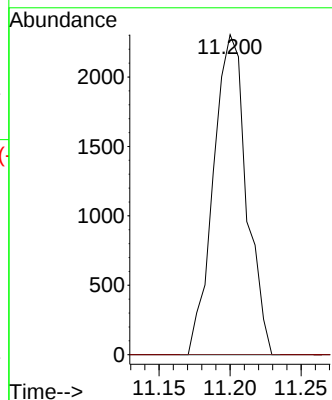
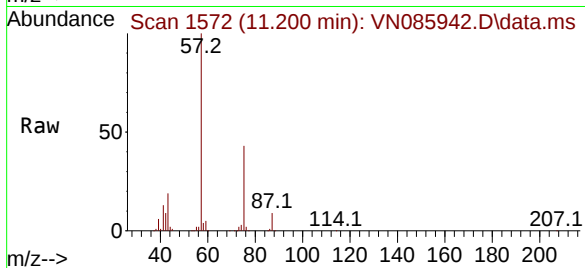
PB167050ZHE#09

Tgt Ion: 76 Resp: 3735

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 29.582 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085942.D

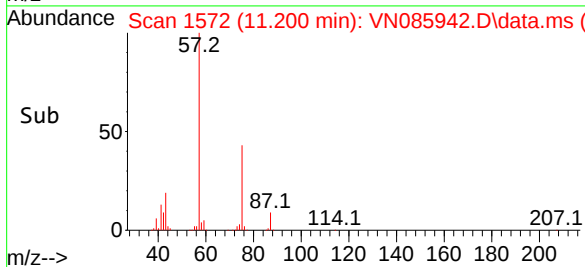
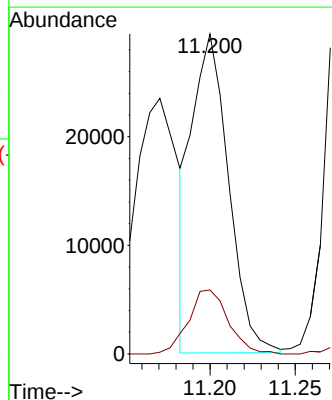
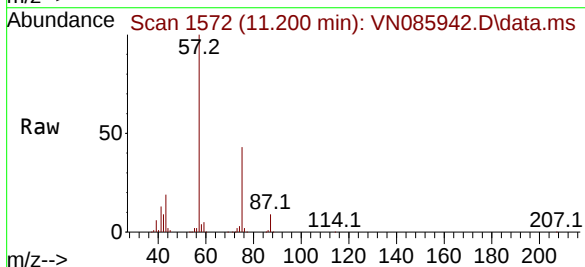
Acq: 11 Mar 2025 19:29

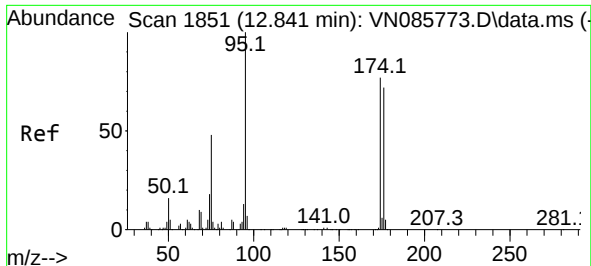
Tgt Ion: 43 Resp: 44041

Ion Ratio Lower Upper

43 100

58 21.8 29.8 89.5#

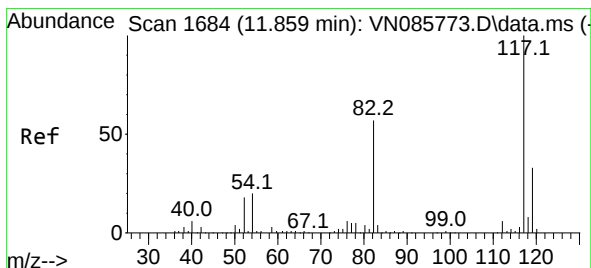
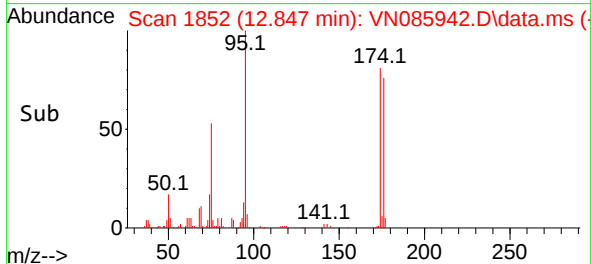
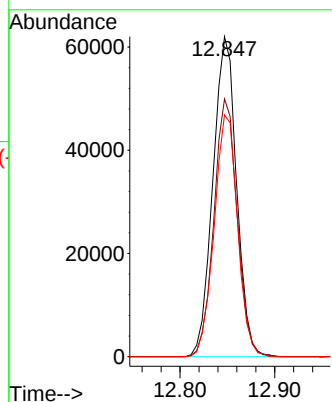
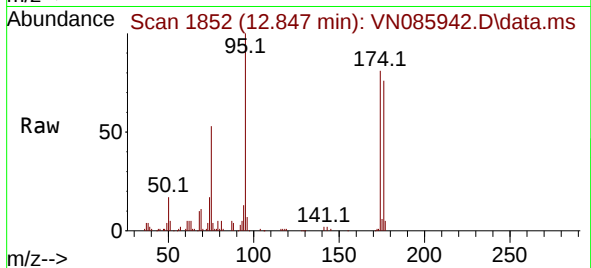




#62
4-Bromofluorobenzene
Concen: 46.487 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

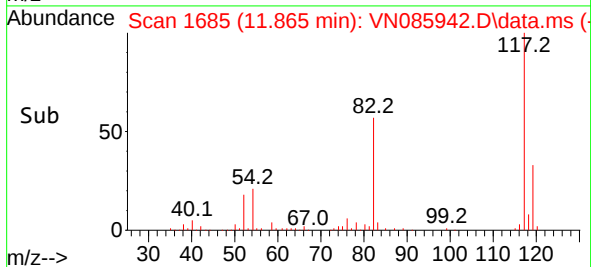
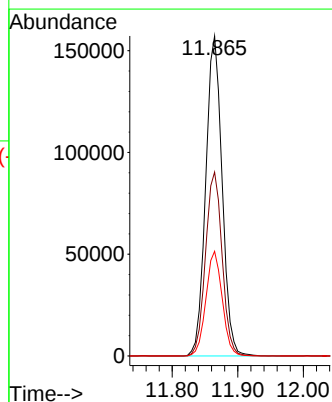
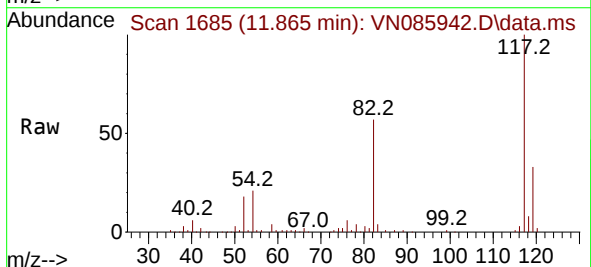
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#09

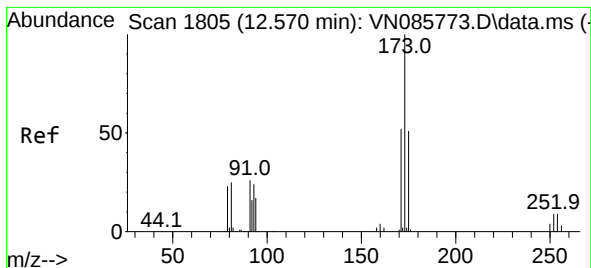
Tgt Ion: 95 Resp: 107397
Ion Ratio Lower Upper
95 100
174 79.6 0.0 152.4
176 74.9 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

Tgt Ion: 117 Resp: 273505
Ion Ratio Lower Upper
117 100
82 57.5 45.7 68.5
119 32.7 26.2 39.2





#71

Bromoform

Concen: 0.383 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN085942.D

Acq: 11 Mar 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#09

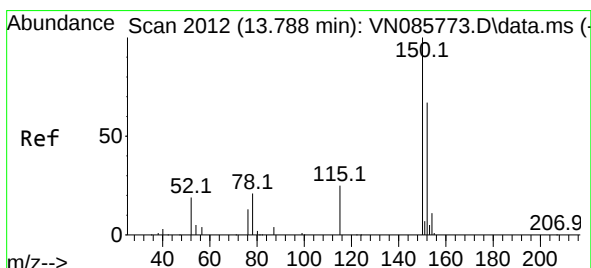
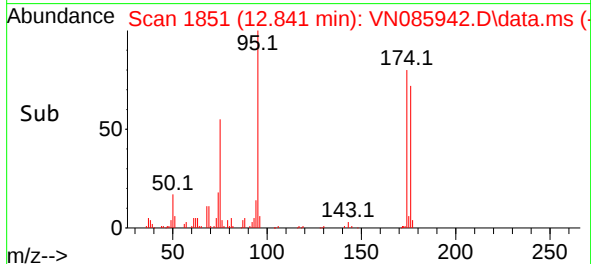
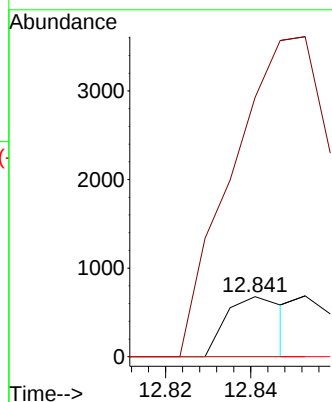
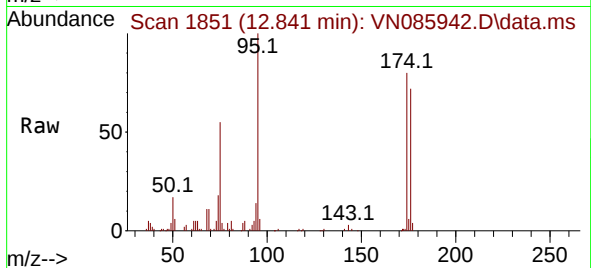
Tgt Ion:173 Resp: 641

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: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085942.D

Acq: 11 Mar 2025 19:29

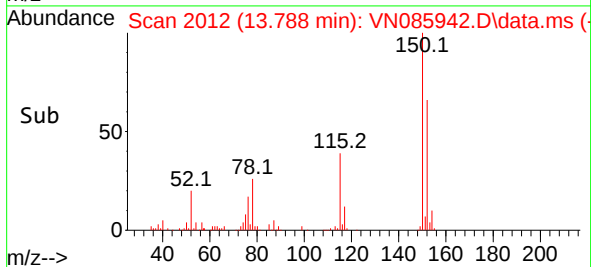
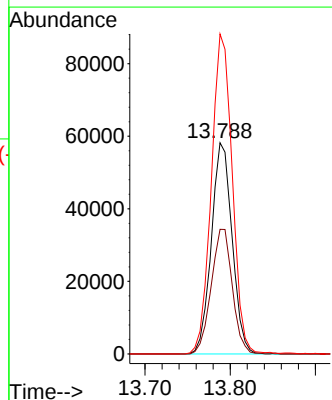
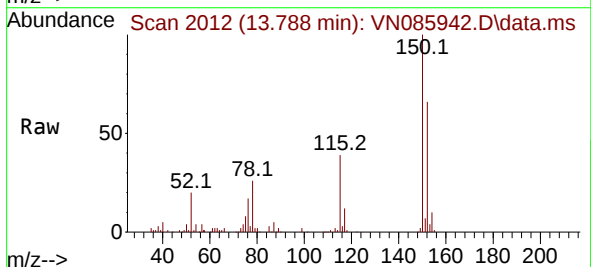
Tgt Ion:152 Resp: 98482

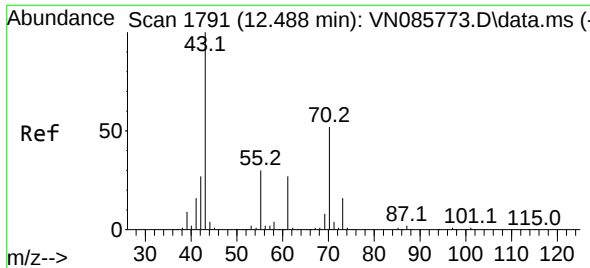
Ion Ratio Lower Upper

152 100

115 60.0 30.4 91.3

150 152.6 0.0 345.4

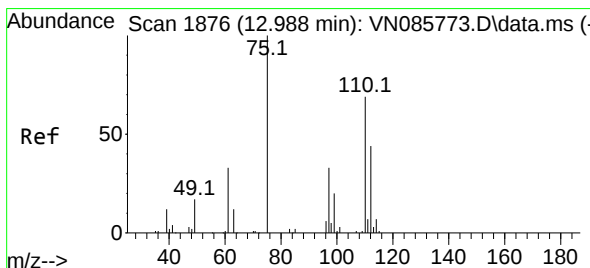
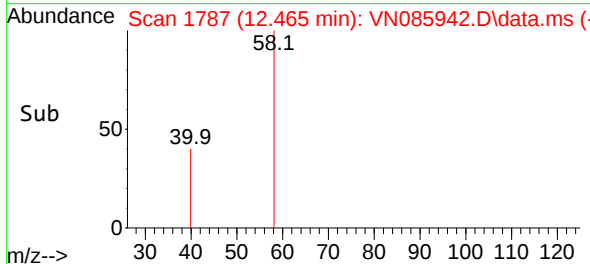
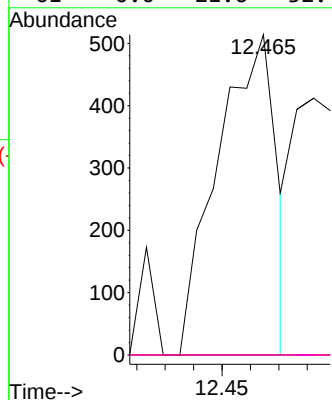
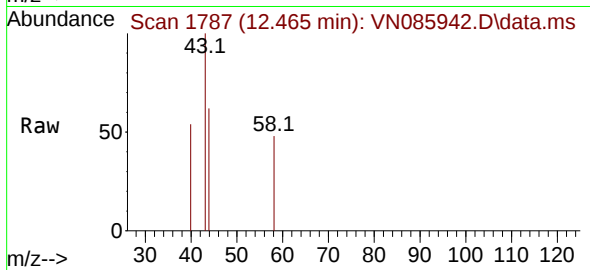




#74
N-amy1 acetate
Concen: 0.311 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

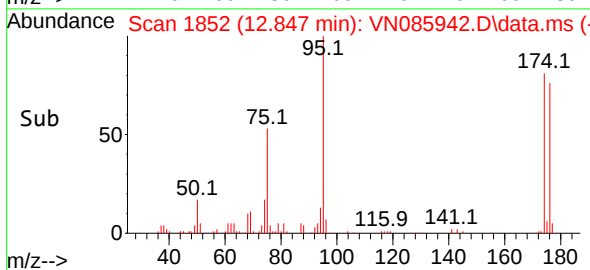
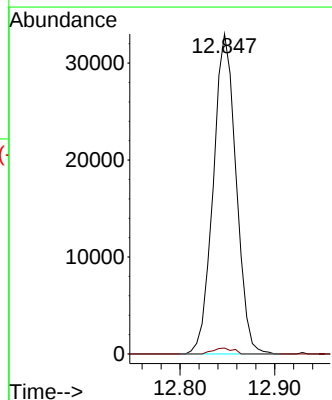
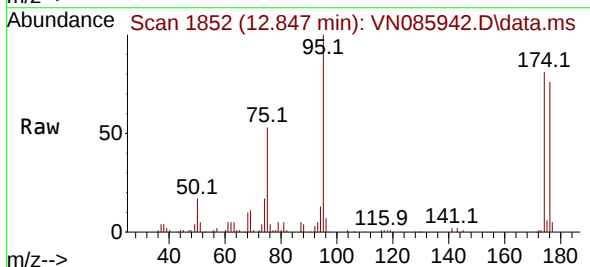
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#09

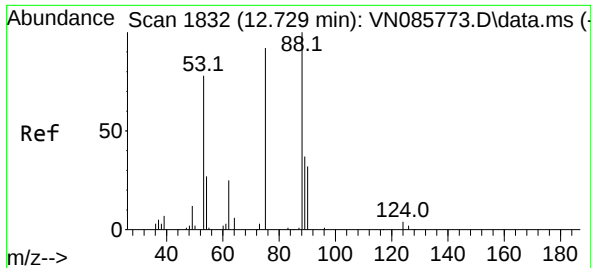
Tgt Ion: 43	Resp: 740
Ion Ratio	Lower Upper
43 100	
70 0.0	41.0 61.4#
55 0.0	24.6 36.8#
61 0.0	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 25.290 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085942.D
Acq: 11 Mar 2025 19:29

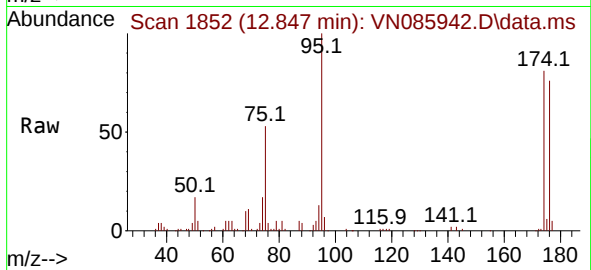
Tgt Ion: 75	Resp: 55326
Ion Ratio	Lower Upper
75 100	
77 1.6	100.0 300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.792 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085942.D
 Acq: 11 Mar 2025 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#09



Tgt Ion: 75 Resp: 55326
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.9 52.3#

