

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085910.D
 Acq On : 06 Mar 2025 19:55
 Operator : JC\MD
 Sample : PB166989ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#12

Quant Time: Mar 07 00:45:08 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)

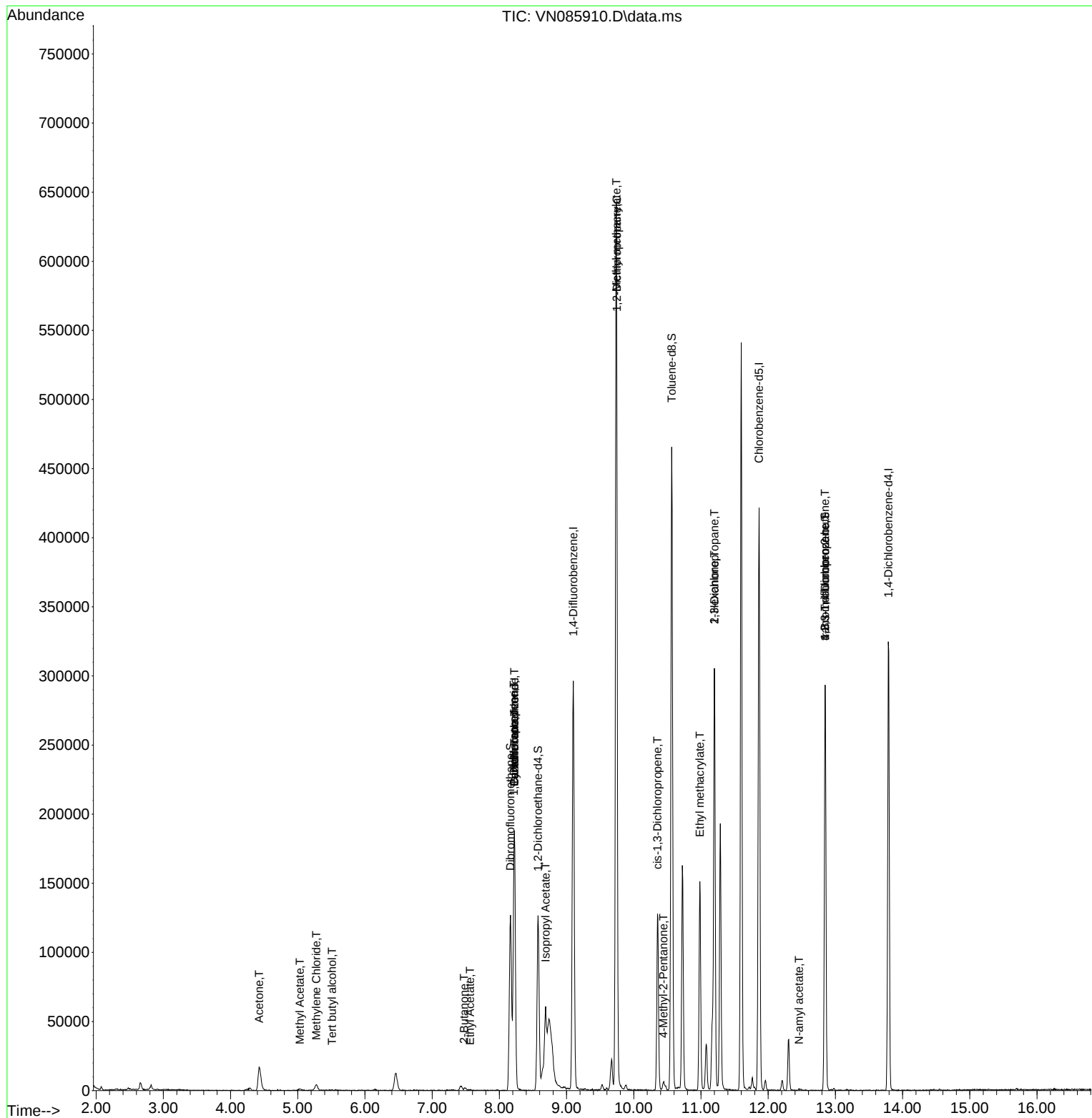
Internal Standards						
1) Pentafluorobenzene	8.224	168	140752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	91807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105229	57.666	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.340%			
35) Dibromofluoromethane	8.165	113	90798	52.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.680%			
50) Toluene-d8	10.565	98	332319	53.155	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.320%			
62) 4-Bromofluorobenzene	12.847	95	100628	48.852	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.700%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	268	1.194	ug/l #	72
16) Acetone	4.424	43	32347	56.022	ug/l	98
18) Methyl Acetate	5.030	43	2157	1.086	ug/l #	64
20) Methylene Chloride	5.277	84	3845	2.071	ug/l	86
25) 2-Butanone	7.477	43	3473	4.088	ug/l #	81
31) Cyclohexane	8.224	56	2638	1.012	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	10777	4.431	ug/l #	51
37) Ethyl Acetate	7.565	43	1212	0.606	ug/l #	66
38) Carbon Tetrachloride	8.224	117	15579	5.391	ug/l #	16
43) Isopropyl Acetate	8.688	43	75112	21.069	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	830	0.441	ug/l #	43
48) Methyl methacrylate	9.741	41	55628	37.427	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	6622	3.432	ug/l #	69
54) cis-1,3-Dichloropropene	10.353	75	24993	8.681	ug/l #	64
56) Ethyl methacrylate	10.982	69	1328	1.027	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3721	1.227	ug/l #	42
59) 2-Hexanone	11.200	43	37036	27.901	ug/l #	53
74) N-amyl acetate	12.459	43	771	0.348	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	51058	25.036	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51058	73.050	ug/l #	13

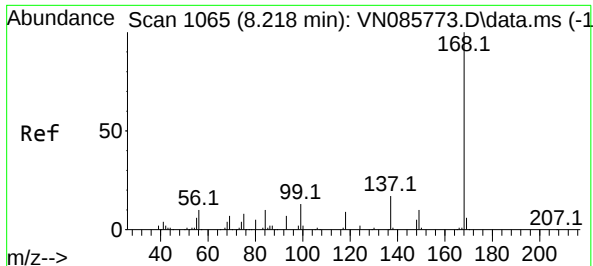
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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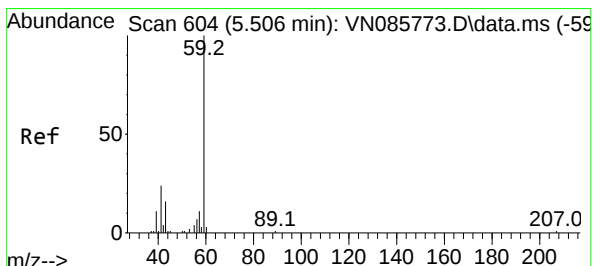
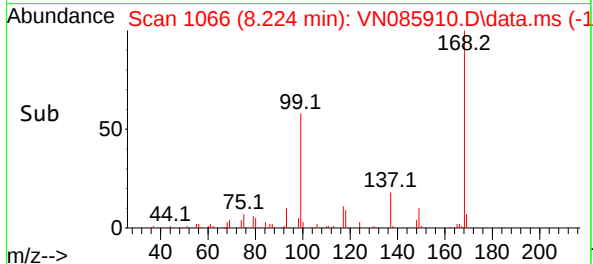
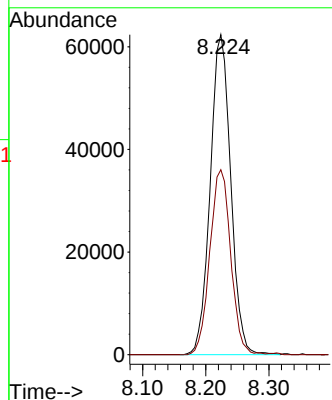
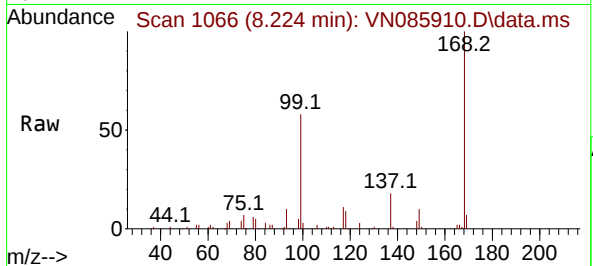




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

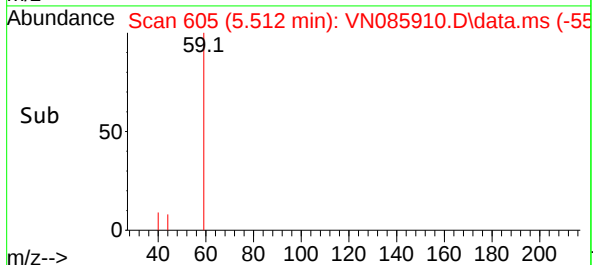
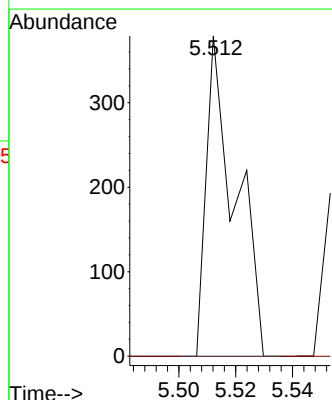
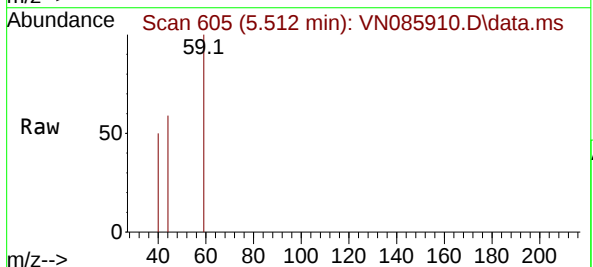
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#12

Tgt Ion:168 Resp: 140752
Ion Ratio Lower Upper
168 100
99 57.8 47.9 71.9



#11
Tert butyl alcohol
Concen: 1.194 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Tgt Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

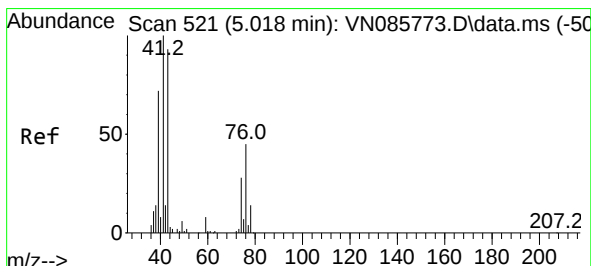
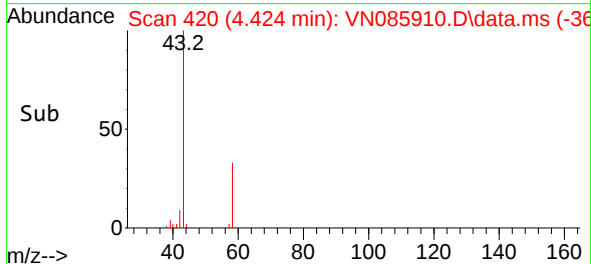
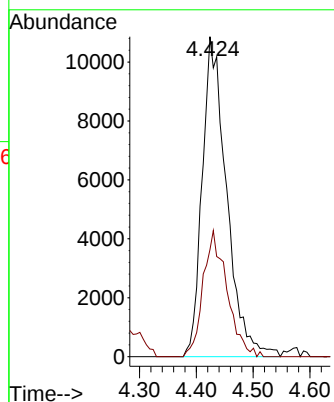
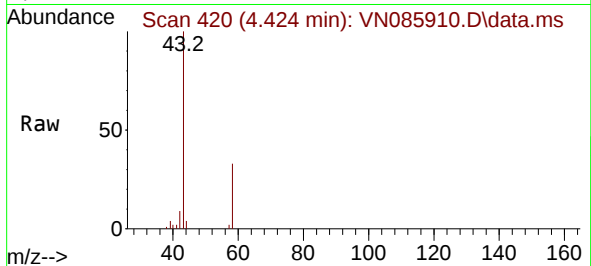




#16
Acetone
Concen: 56.022 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

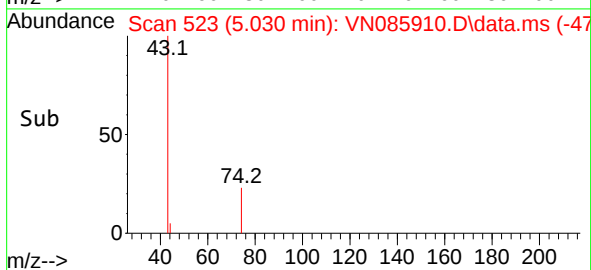
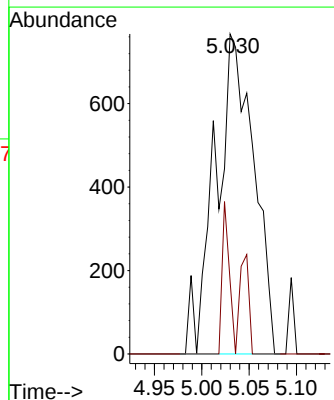
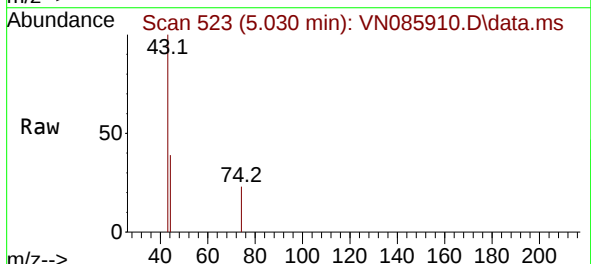
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#12

Tgt Ion: 43 Resp: 32347
Ion Ratio Lower Upper
43 100
58 33.5 27.5 41.3



#18
Methyl Acetate
Concen: 1.086 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Tgt Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
74 8.8 22.2 33.4#

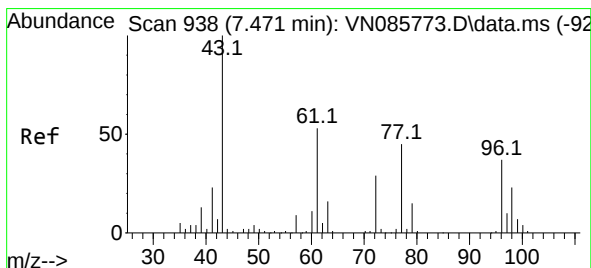
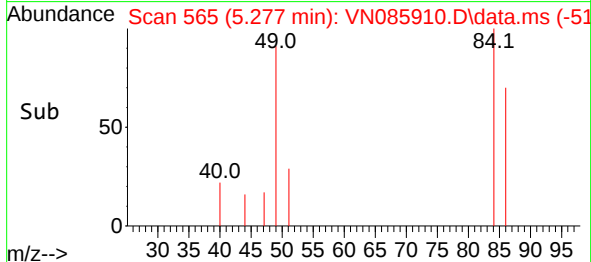
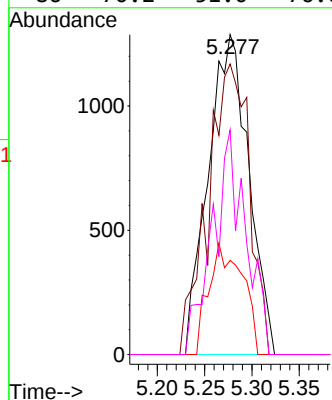
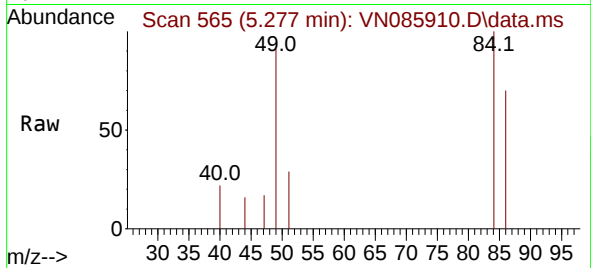




#20
Methylene Chloride
Concen: 2.071 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

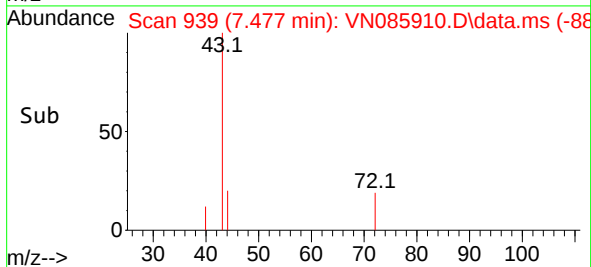
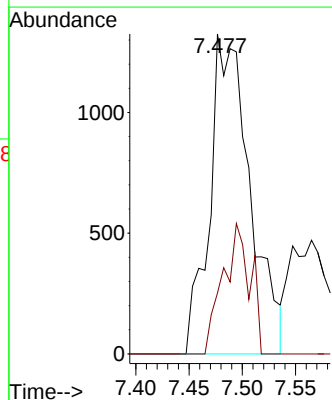
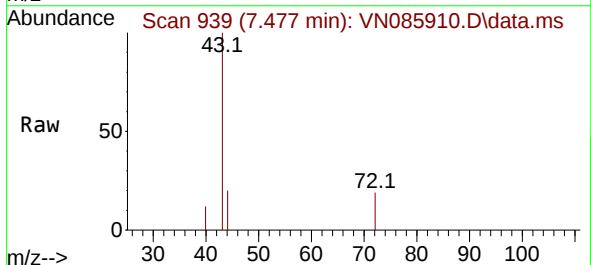
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#12

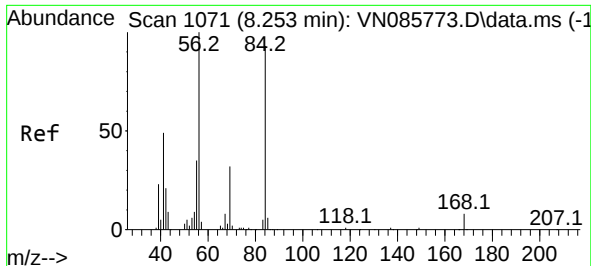
Tgt Ion: 84	Resp:	3845	
Ion	Ratio	Lower	Upper
84	100		
49	90.8	88.4	132.6
51	29.4	26.6	40.0
86	70.2	51.0	76.6



#25
2-Butanone
Concen: 4.088 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Tgt Ion: 43	Resp:	3473	
Ion	Ratio	Lower	Upper
43	100		
72	19.0	23.6	35.4#

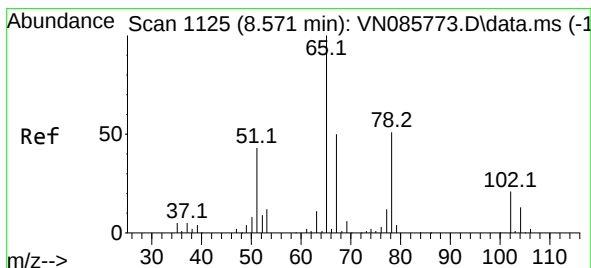
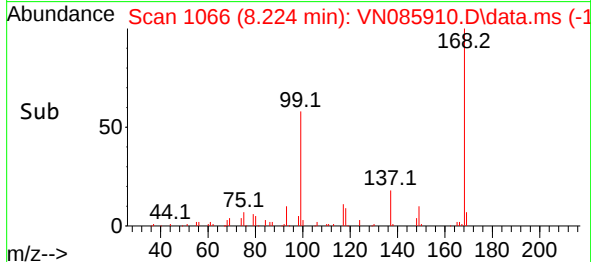
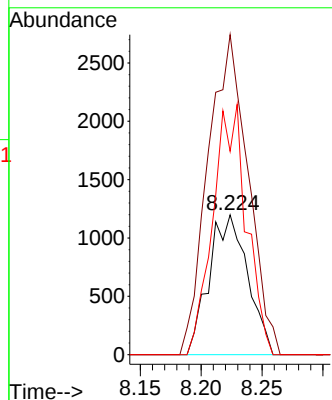
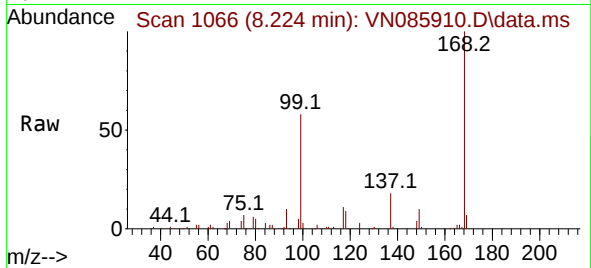




#31
Cyclohexane
Concen: 1.012 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

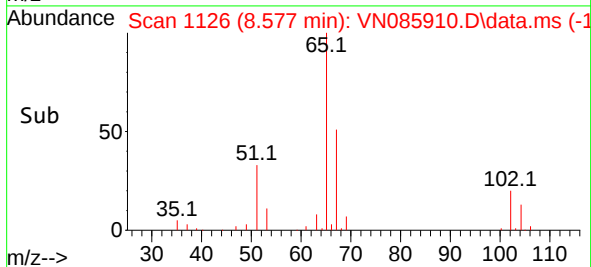
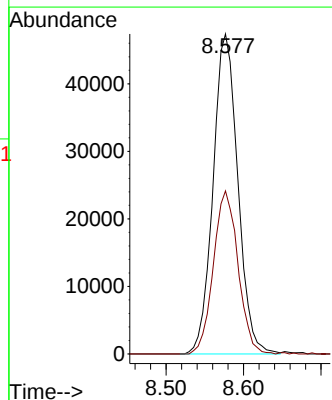
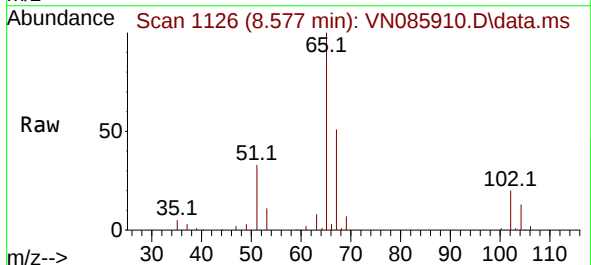
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#12

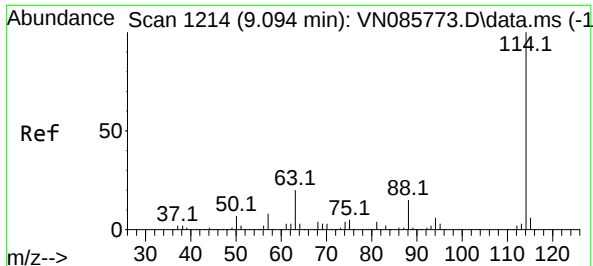
Tgt Ion: 56 Resp: 2638
Ion Ratio Lower Upper
56 100
69 228.7 25.8 38.6#
84 145.3 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 57.666 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Tgt Ion: 65 Resp: 105229
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085910.D

Acq: 06 Mar 2025 19:55

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#12

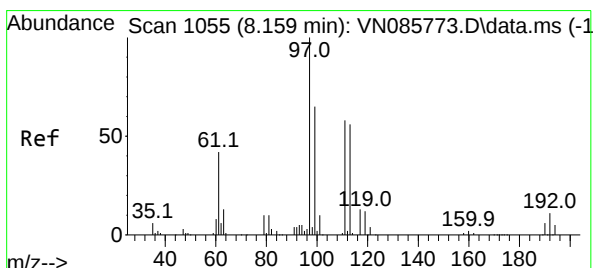
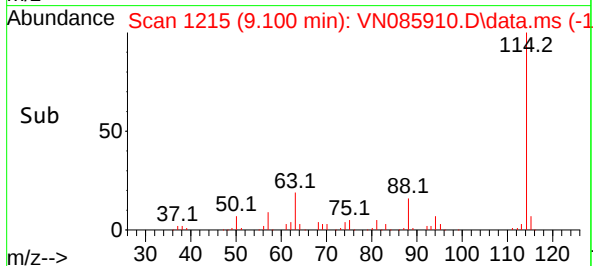
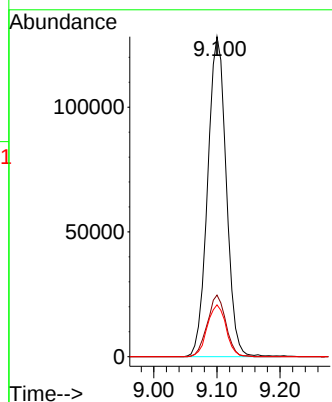
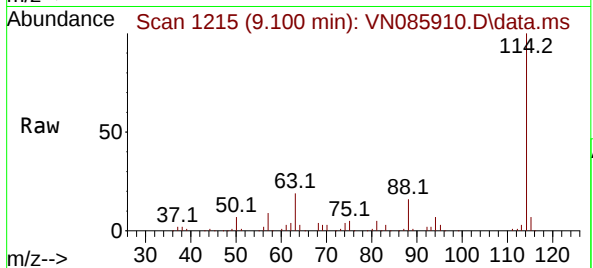
Tgt Ion:114 Resp: 262601

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

88 16.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.841 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085910.D

Acq: 06 Mar 2025 19:55

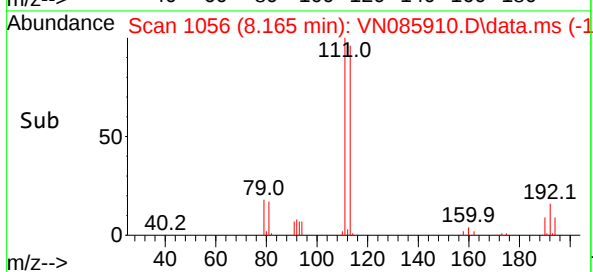
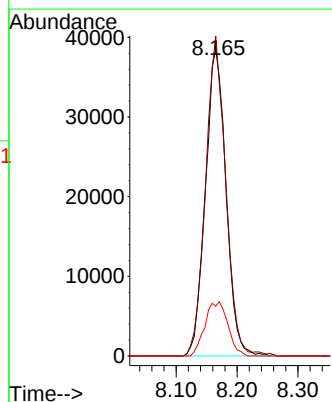
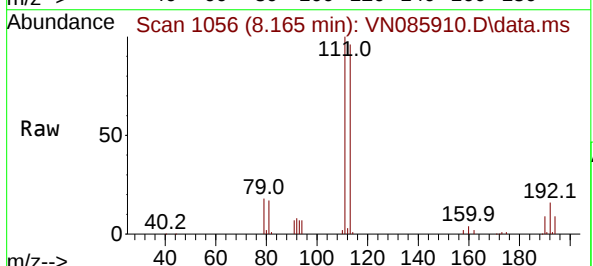
Tgt Ion:113 Resp: 90798

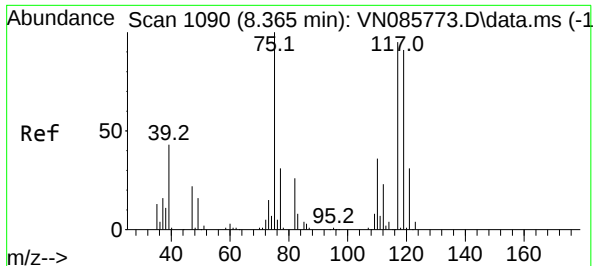
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 19.6 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.431 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085910.D

Acq: 06 Mar 2025 19:55

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MSVOA_N

ClientSampleId :

PB166989ZHE#12

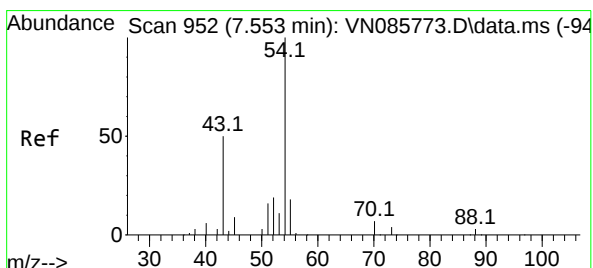
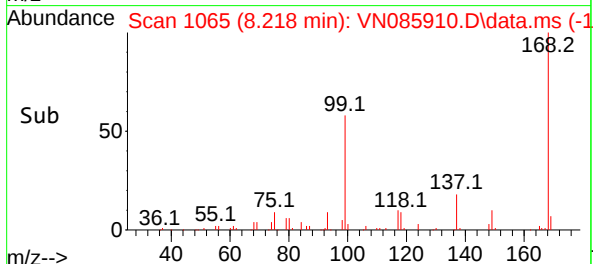
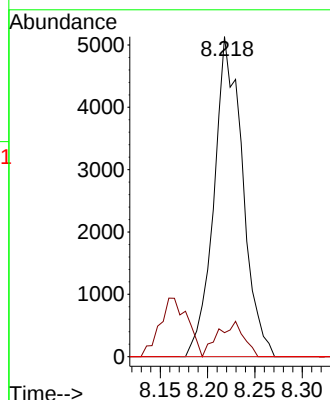
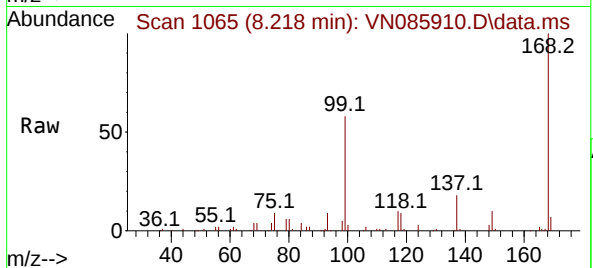
Tgt Ion: 75 Resp: 10777

Ion Ratio Lower Upper

75 100

110 9.9 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.606 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085910.D

Acq: 06 Mar 2025 19:55

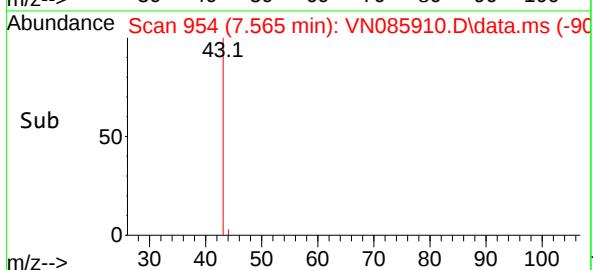
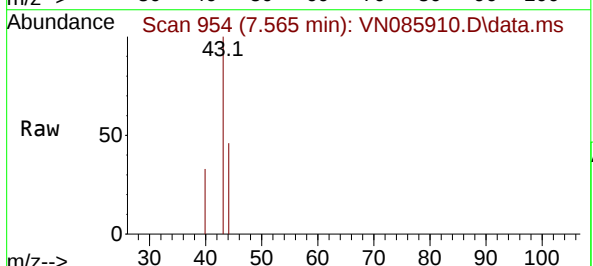
Tgt Ion: 43 Resp: 1212

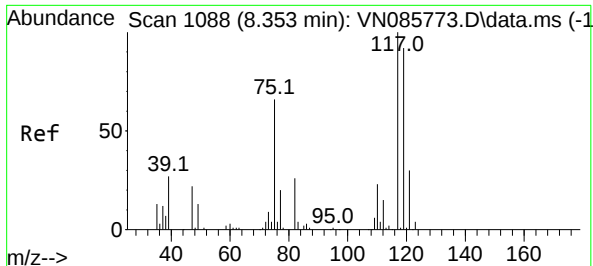
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

70 0.0 9.5 14.3#

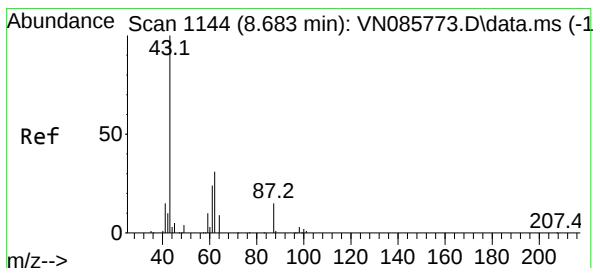
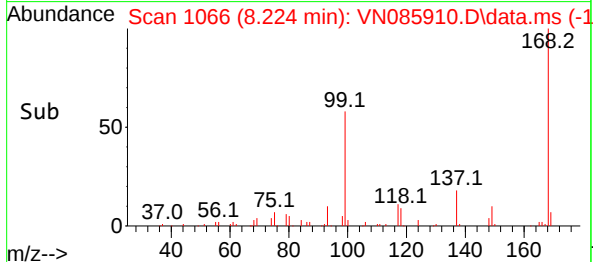
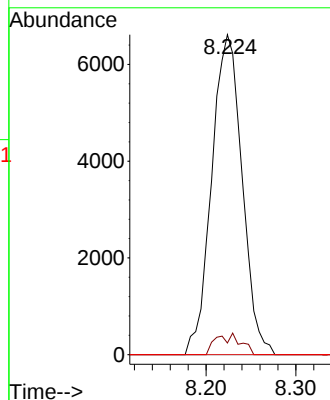
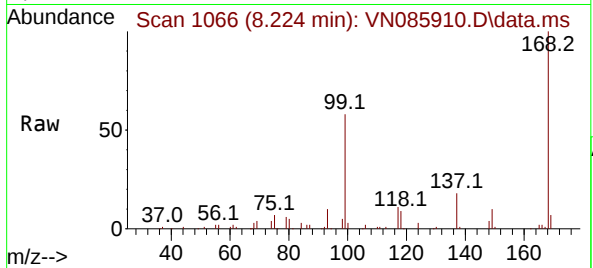




#38
Carbon Tetrachloride
Concen: 5.391 ug/l
RT: 8.224 min Scan# 1088
Delta R.T. -0.129 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

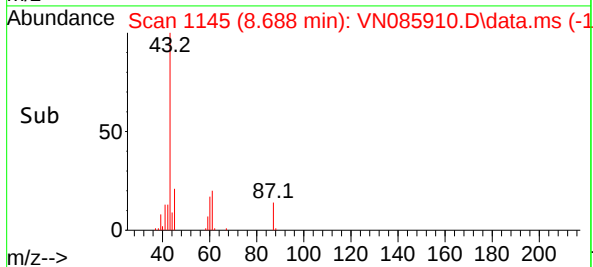
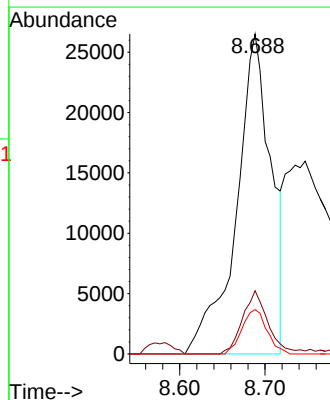
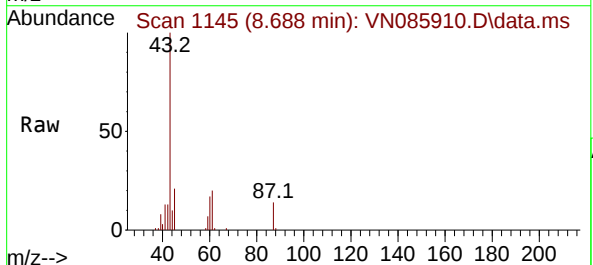
Instrument :
MSVOA_N
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PB166989ZHE#12

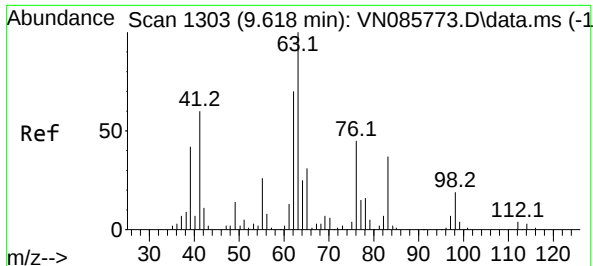
Tgt Ion:117 Resp: 15579
Ion Ratio Lower Upper
117 100
119 3.6 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 21.069 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Tgt Ion: 43 Resp: 75112
Ion Ratio Lower Upper
43 100
61 14.6 22.6 34.0#
87 10.0 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.441 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN085910.D

Acq: 06 Mar 2025 19:55

Instrument :

MSVOA_N

ClientSampleId :

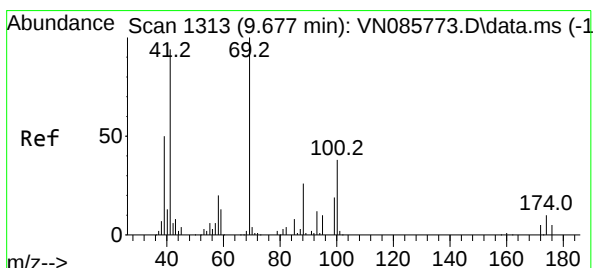
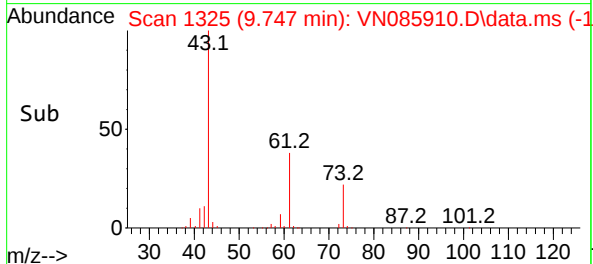
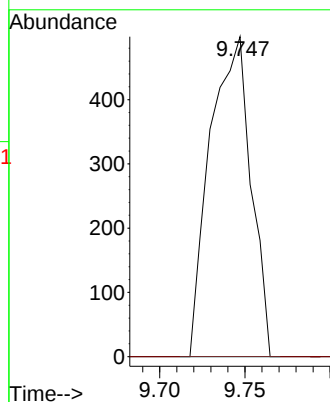
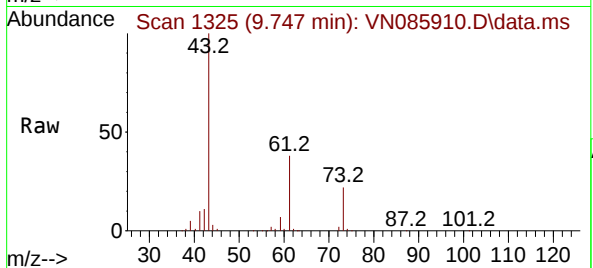
PB166989ZHE#12

Tgt Ion: 63 Resp: 830

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 37.427 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085910.D

Acq: 06 Mar 2025 19:55

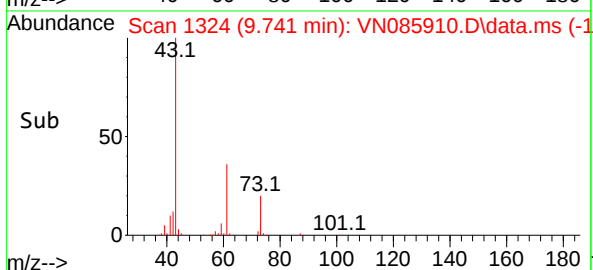
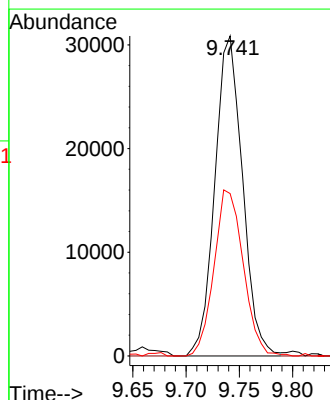
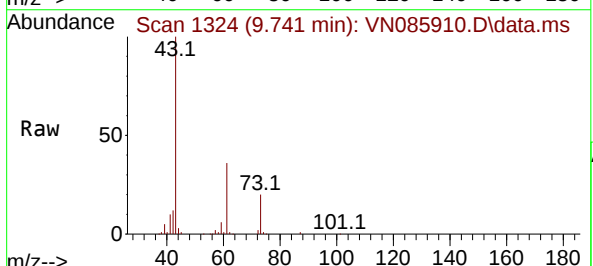
Tgt Ion: 41 Resp: 55628

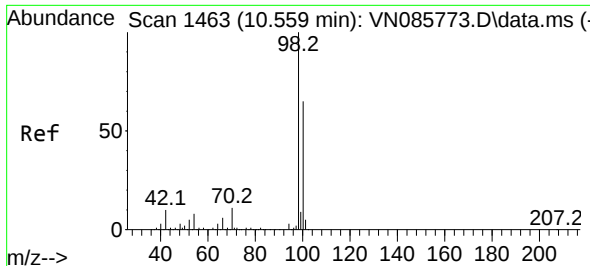
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 54.9 42.3 63.5

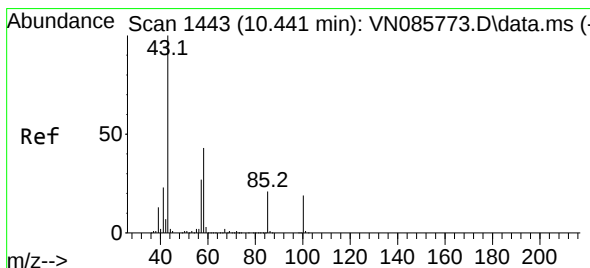
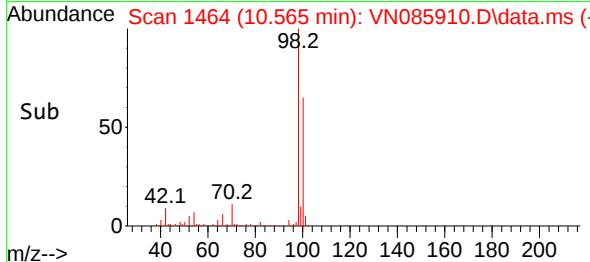
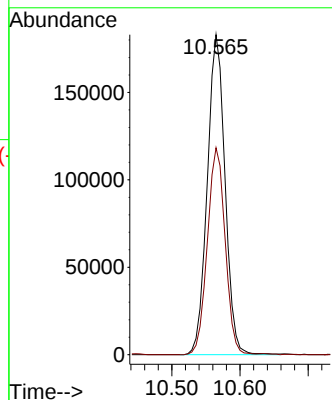
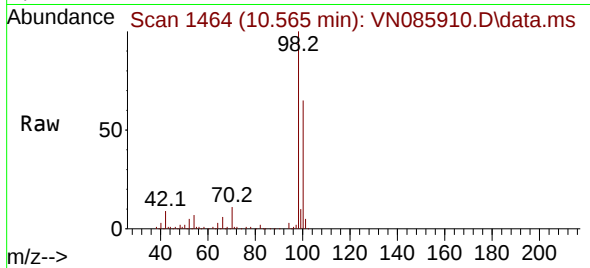




#50
Toluene-d8
Concen: 53.155 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

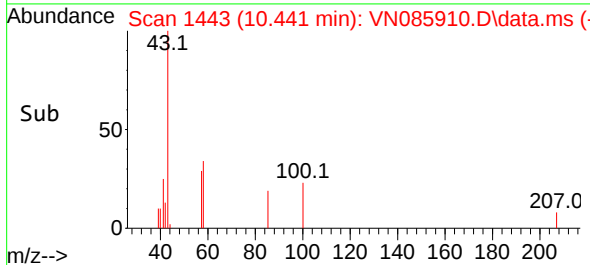
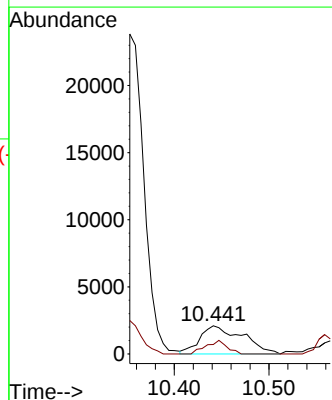
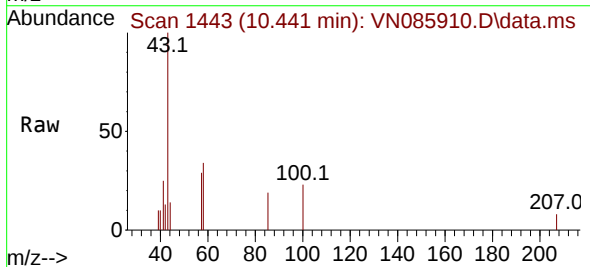
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#12

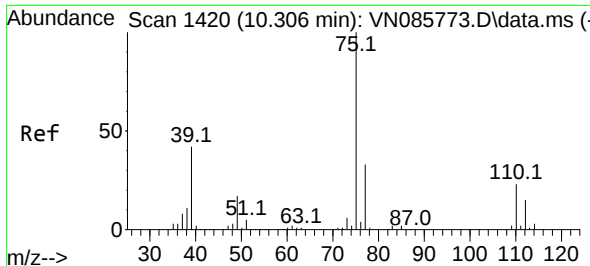
Tgt Ion: 98 Resp: 332319
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.432 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Tgt Ion: 43 Resp: 6622
Ion Ratio Lower Upper
43 100
58 23.4 34.6 52.0#

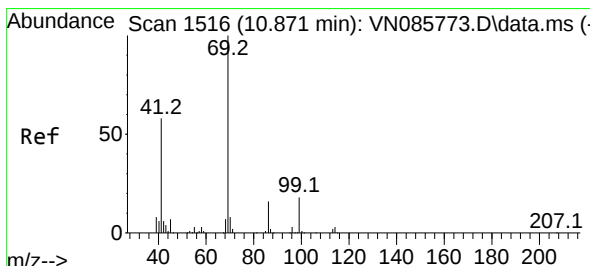
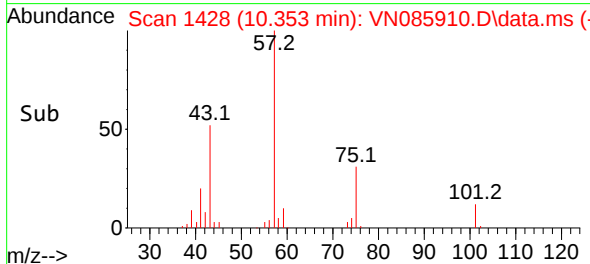
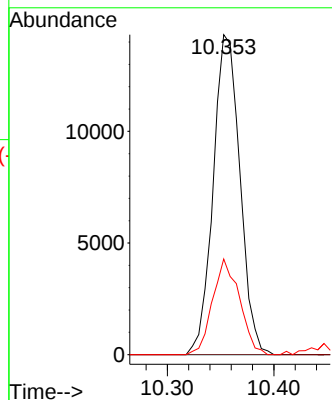
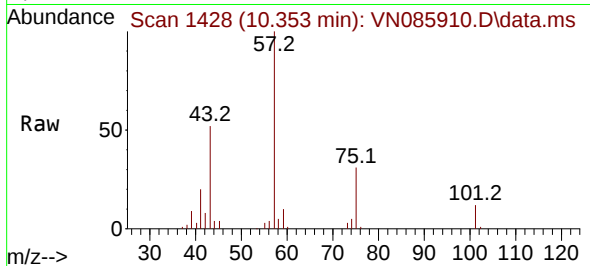




#54
 cis-1,3-Dichloropropene
 Concen: 8.681 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085910.D
 Acq: 06 Mar 2025 19:55

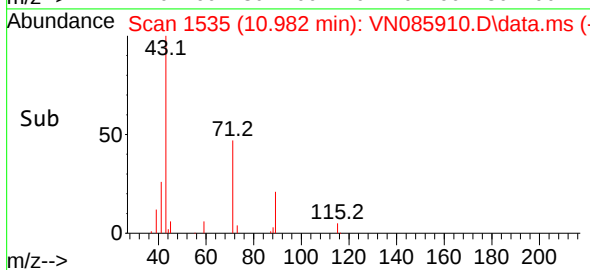
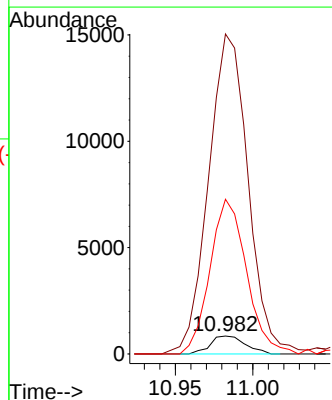
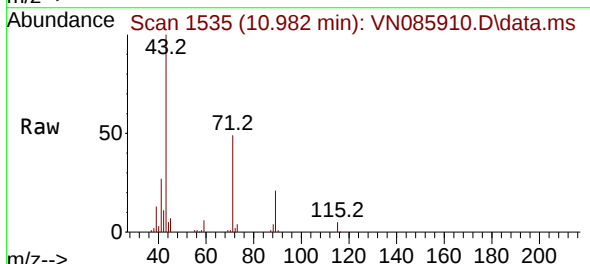
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#12

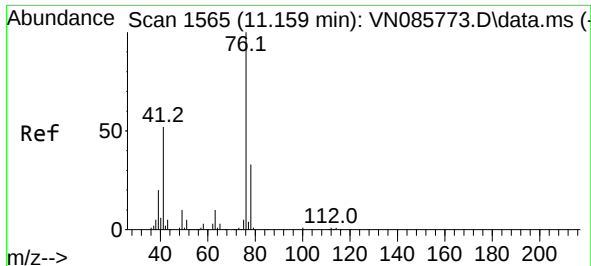
Tgt Ion: 75 Resp: 24993
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 29.9 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.027 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085910.D
 Acq: 06 Mar 2025 19:55

Tgt Ion: 69 Resp: 1328
 Ion Ratio Lower Upper
 69 100
 41 2014.8 46.0 69.0#
 39 898.2 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.227 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085910.D

Acq: 06 Mar 2025 19:55

Instrument :

MSVOA_N

ClientSampleId :

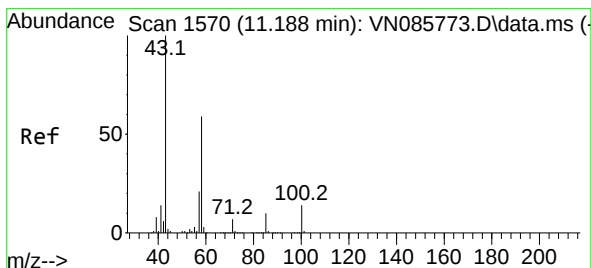
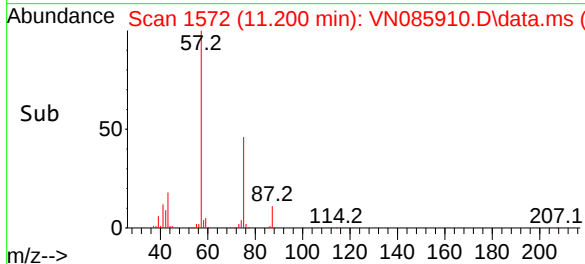
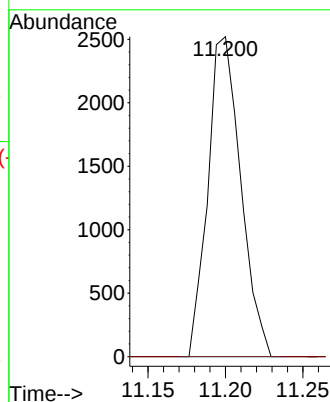
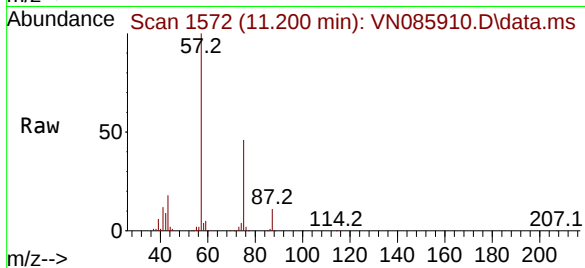
PB166989ZHE#12

Tgt Ion: 76 Resp: 3721

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 27.901 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085910.D

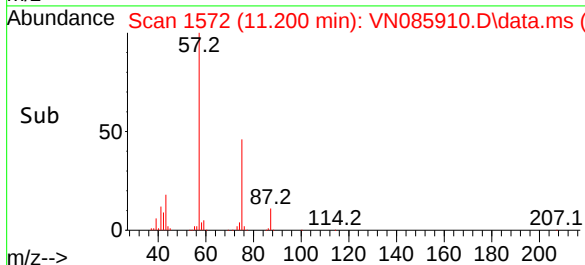
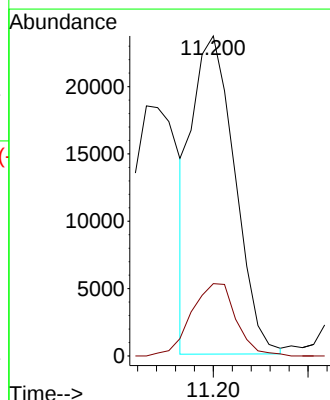
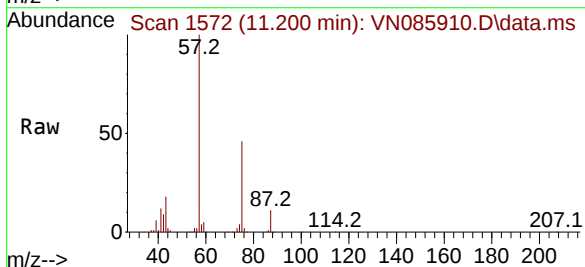
Acq: 06 Mar 2025 19:55

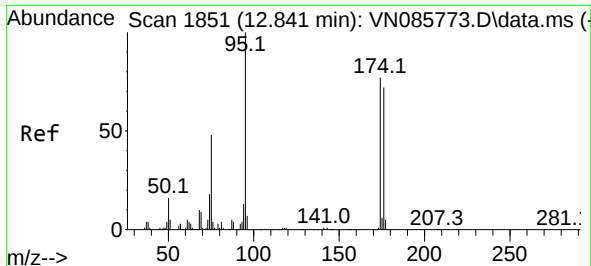
Tgt Ion: 43 Resp: 37036

Ion Ratio Lower Upper

43 100

58 23.9 29.8 89.5#

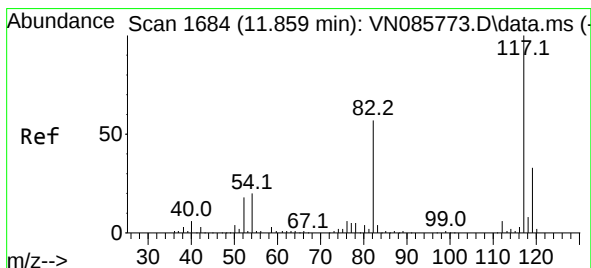
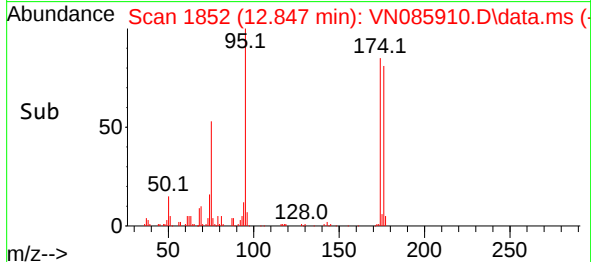
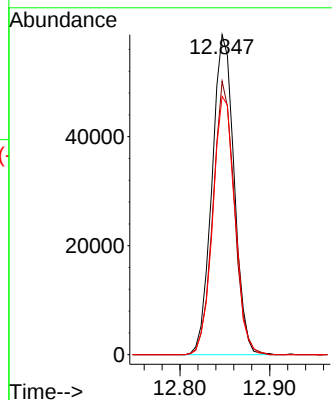
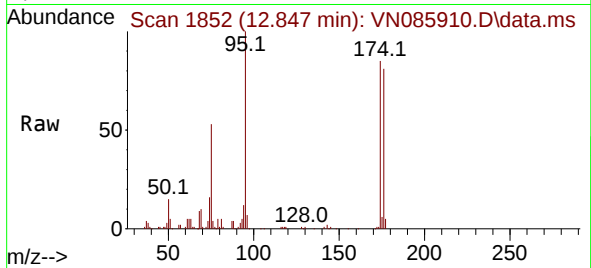




#62
4-Bromofluorobenzene
Concen: 48.852 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

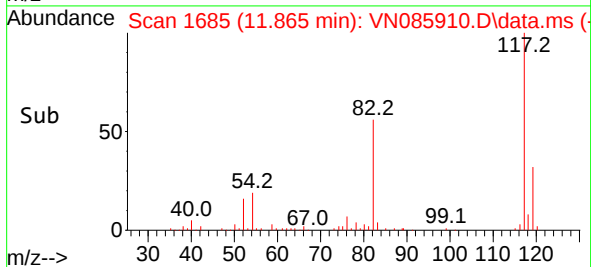
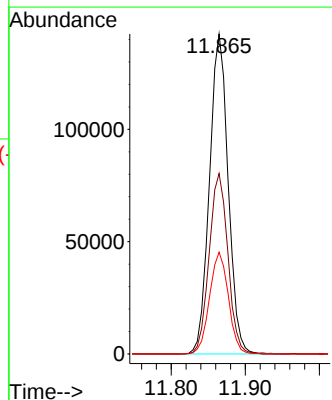
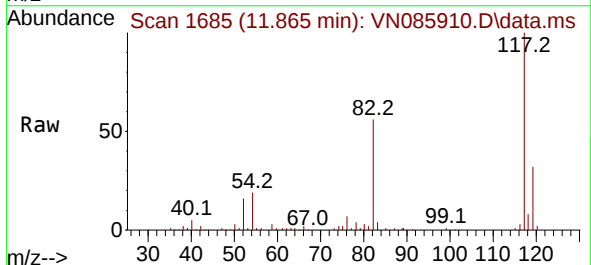
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#12

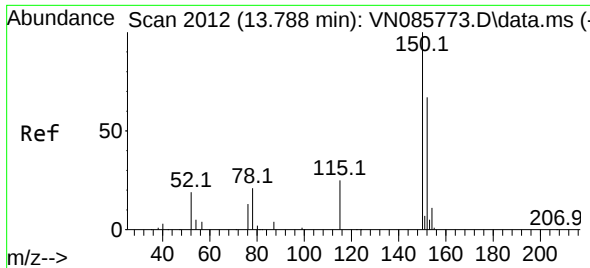
Tgt Ion: 95 Resp: 100628
Ion Ratio Lower Upper
95 100
174 82.2 0.0 152.4
176 80.4 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Tgt Ion: 117 Resp: 249216
Ion Ratio Lower Upper
117 100
82 56.4 45.7 68.5
119 31.8 26.2 39.2

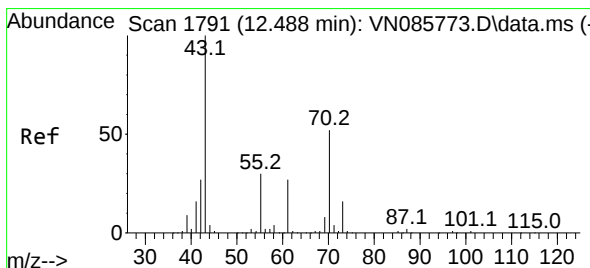
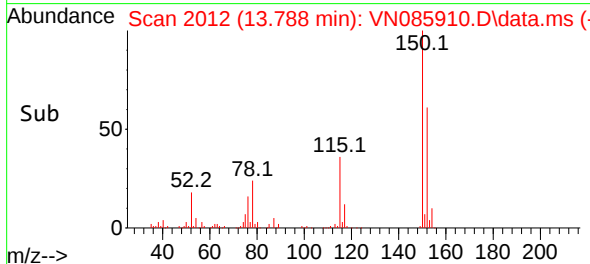
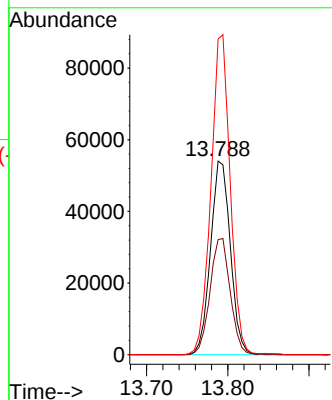
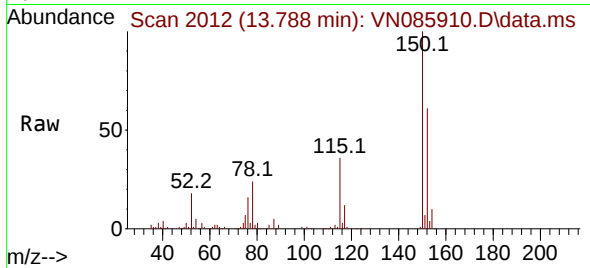




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

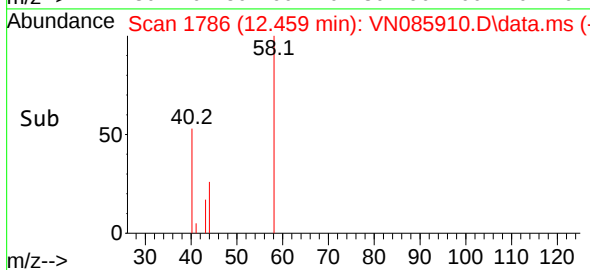
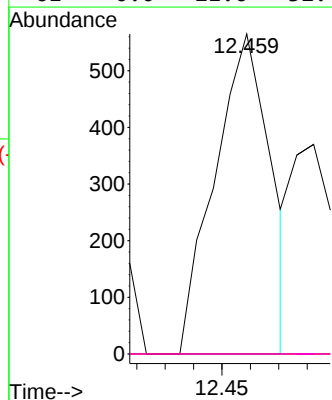
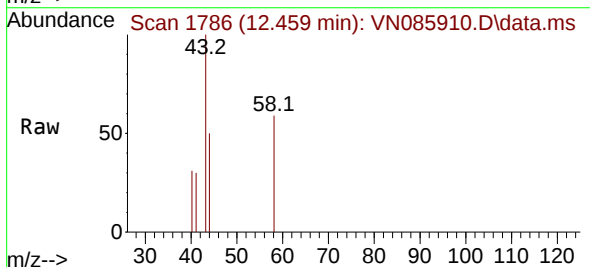
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#12

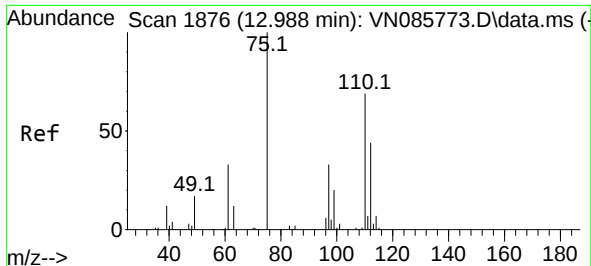
Tgt Ion:152 Resp: 91807
Ion Ratio Lower Upper
152 100
115 60.9 30.4 91.3
150 160.5 0.0 345.4



#74
N-ethyl acetate
Concen: 0.348 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Tgt Ion: 43 Resp: 771
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#

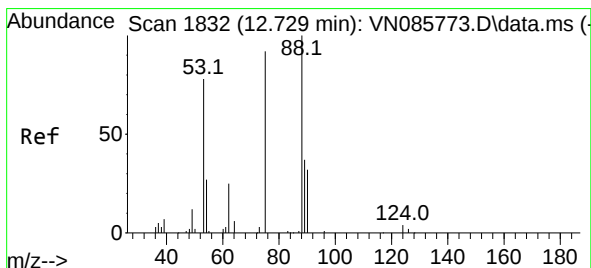
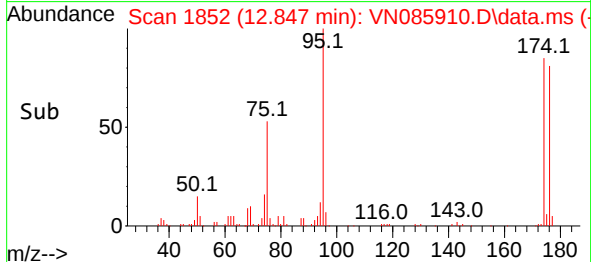
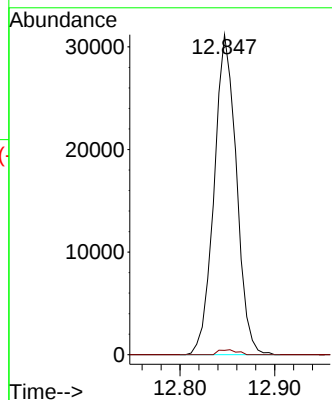
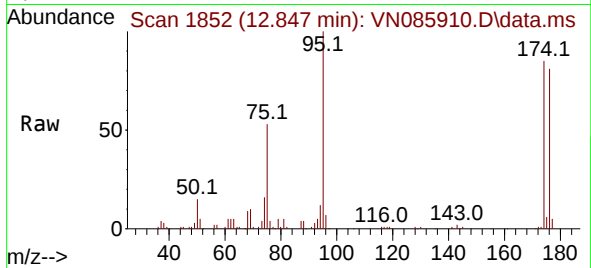




#76
1,2,3-Trichloropropane
Concen: 25.036 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#12

Tgt Ion: 75 Resp: 51058
Ion Ratio Lower Upper
75 100
77 1.3 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.050 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085910.D
Acq: 06 Mar 2025 19:55

Tgt Ion: 75 Resp: 51058
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.9 52.3#

