

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085912.D
 Acq On : 06 Mar 2025 20:44
 Operator : JC\MD
 Sample : PB166989ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#14

Quant Time: Mar 07 00:46:07 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)

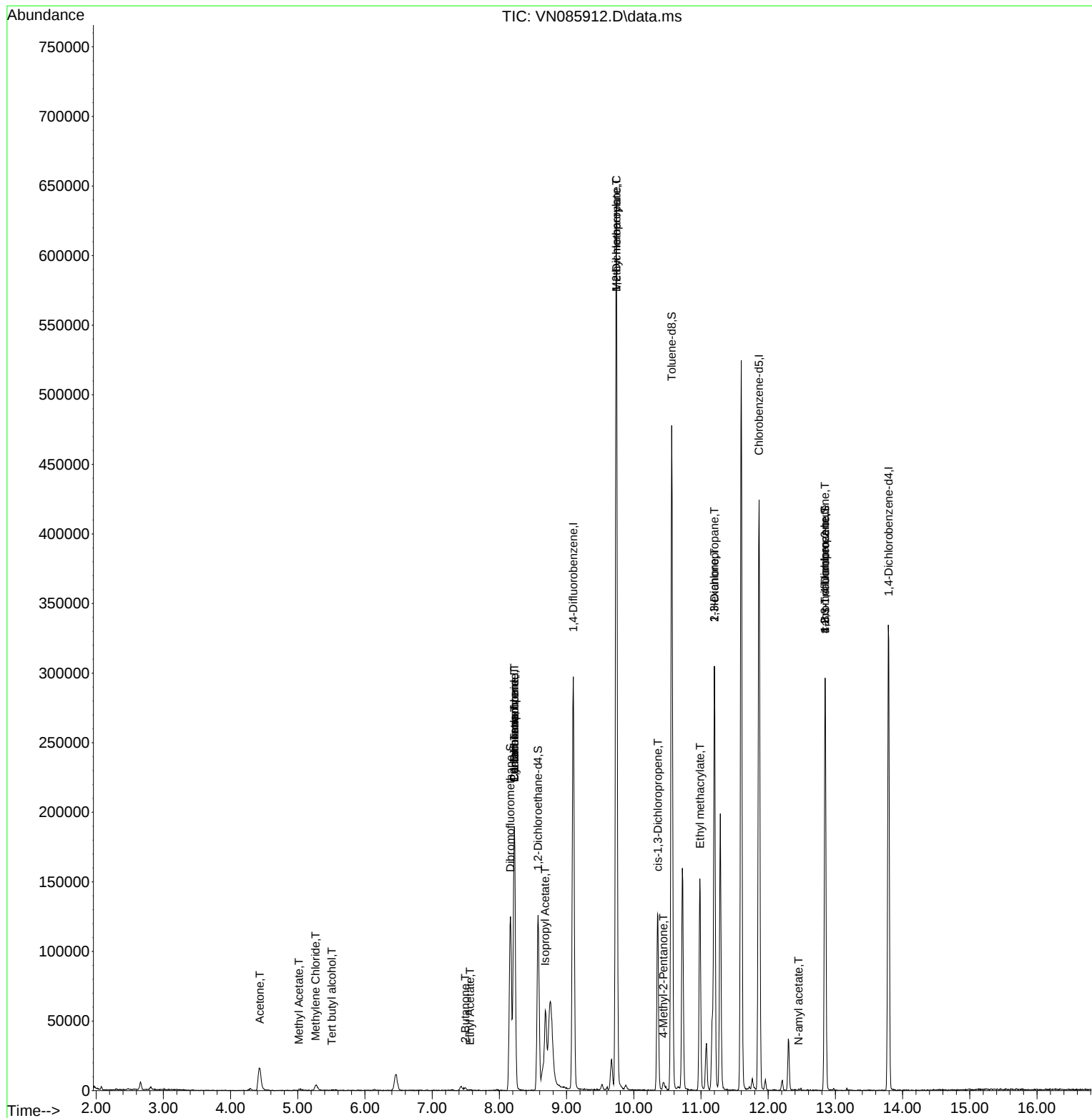
Internal Standards						
1) Pentafluorobenzene	8.224	168	140497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107299	58.907	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.820%			
35) Dibromofluoromethane	8.165	113	90609	52.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.780%			
50) Toluene-d8	10.565	98	331225	53.137	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.280%			
62) 4-Bromofluorobenzene	12.847	95	102833	50.070	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.140%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.506	59	156	0.696	ug/l #	72
16) Acetone	4.436	43	32846	56.989	ug/l #	86
18) Methyl Acetate	5.018	43	2105	1.062	ug/l #	61
20) Methylene Chloride	5.265	84	3602	1.943	ug/l #	73
25) 2-Butanone	7.494	43	3592	4.236	ug/l	98
31) Cyclohexane	8.224	56	2853	1.097	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11197	4.618	ug/l #	49
37) Ethyl Acetate	7.565	43	998	0.500	ug/l #	66
38) Carbon Tetrachloride	8.224	117	15226	5.285	ug/l #	17
43) Isopropyl Acetate	8.683	43	71157	19.992	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	858	0.457	ug/l #	43
48) Methyl methacrylate	9.741	41	56321	38.005	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	6815	3.542	ug/l #	69
54) cis-1,3-Dichloropropene	10.359	75	25415	8.854	ug/l #	62
56) Ethyl methacrylate	10.988	69	1489	1.097	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3449	1.141	ug/l #	42
59) 2-Hexanone	11.200	43	36771	27.783	ug/l #	53
74) N-amyl acetate	12.453	43	786	0.341	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	52112	24.612	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52112	71.811	ug/l #	12

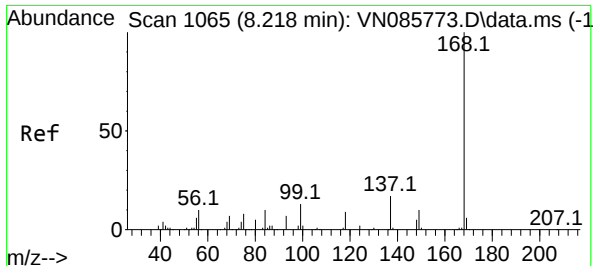
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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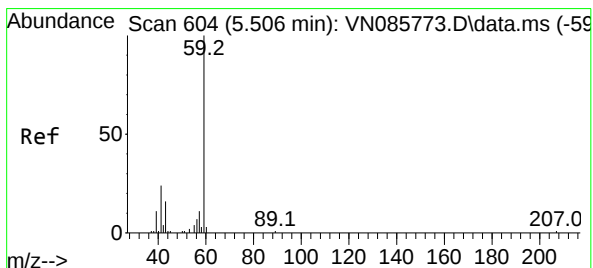
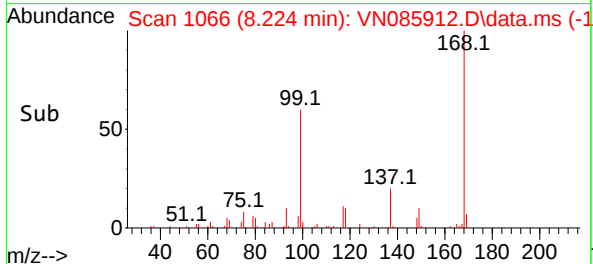
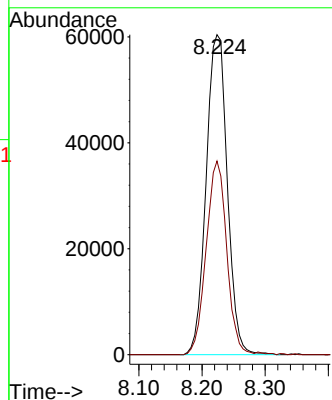
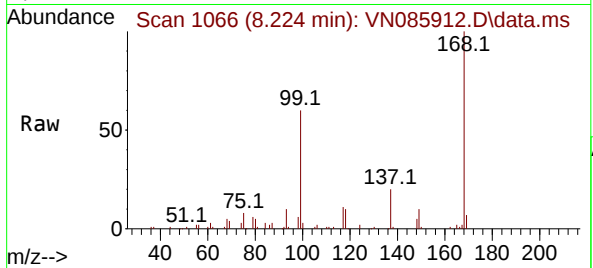




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

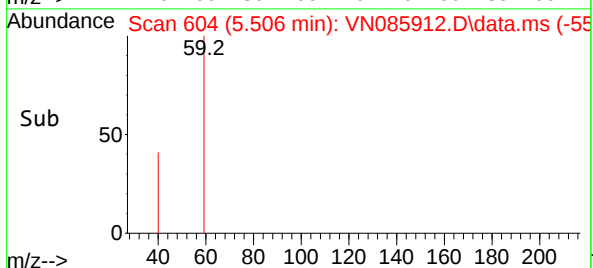
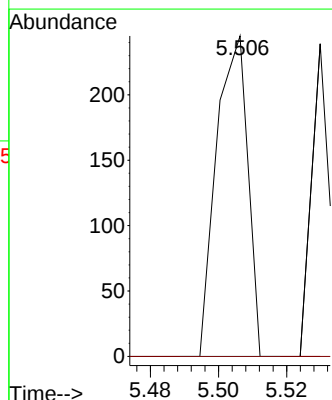
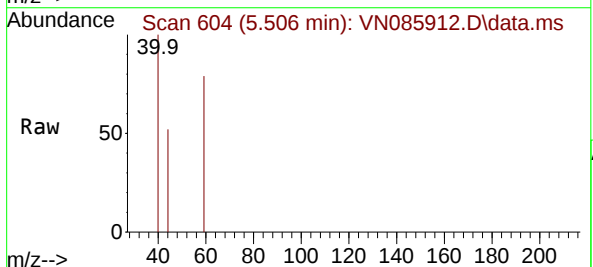
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

Tgt Ion:168 Resp: 140497
Ion Ratio Lower Upper
168 100
99 60.5 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.696 ug/l
RT: 5.506 min Scan# 604
Delta R.T. 0.000 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

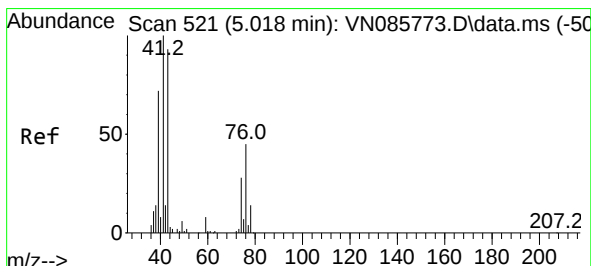
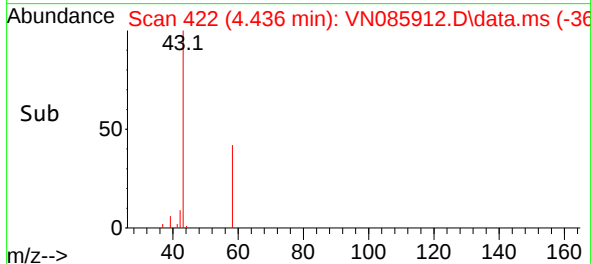
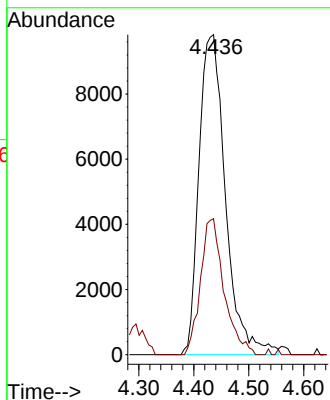
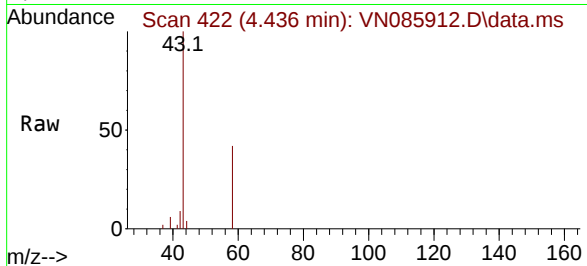




#16
Acetone
Concen: 56.989 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

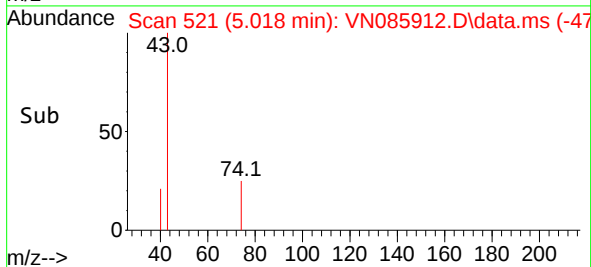
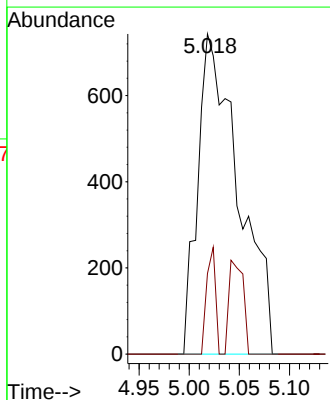
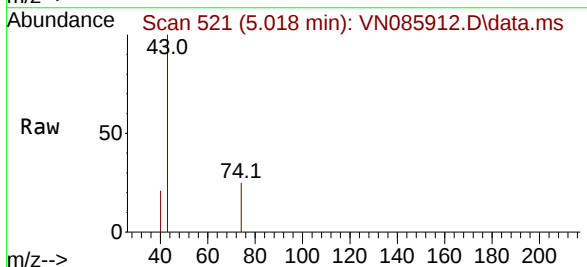
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

Tgt Ion: 43 Resp: 32846
Ion Ratio Lower Upper
43 100
58 42.5 27.5 41.3#



#18
Methyl Acetate
Concen: 1.062 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 43 Resp: 2105
Ion Ratio Lower Upper
43 100
74 7.3 22.2 33.4#

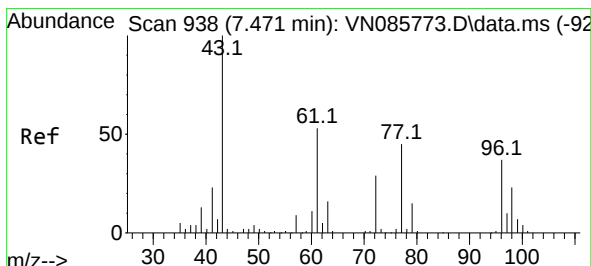
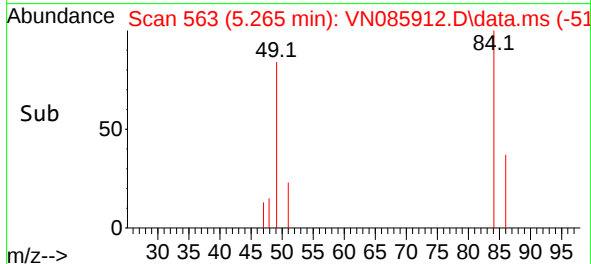
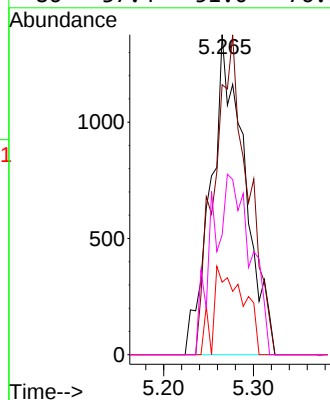
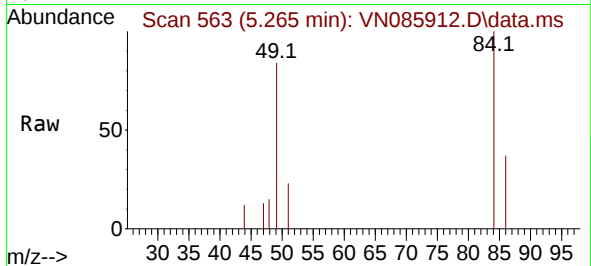




#20
Methylene Chloride
Concen: 1.943 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

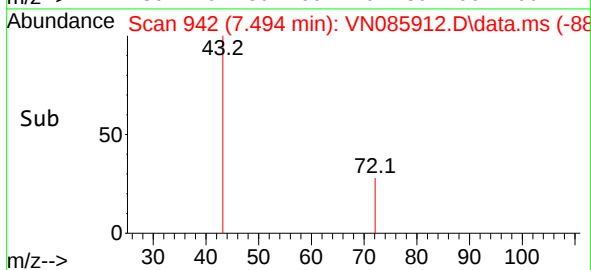
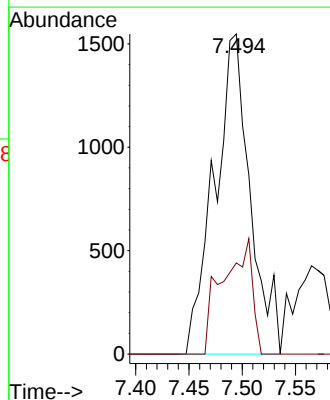
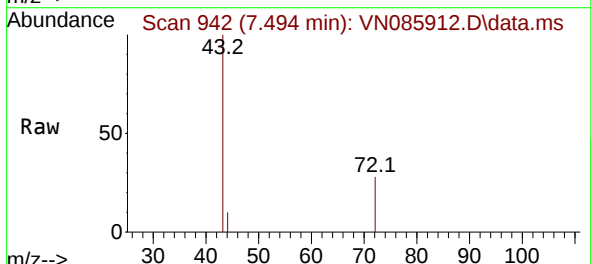
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

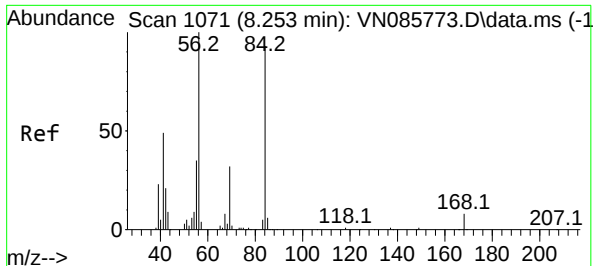
Tgt Ion: 84	Resp: 3602
Ion Ratio	Lower Upper
84 100	
49 84.4	88.4 132.6#
51 22.7	26.6 40.0#
86 37.4	51.0 76.6#



#25
2-Butanone
Concen: 4.236 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.024 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 43	Resp: 3592		
Ion Ratio	Lower	Upper	
43 100			
72 28.5	23.6	35.4	

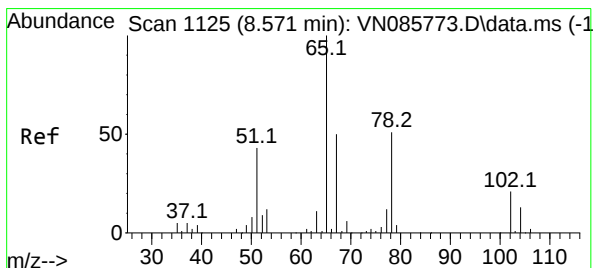
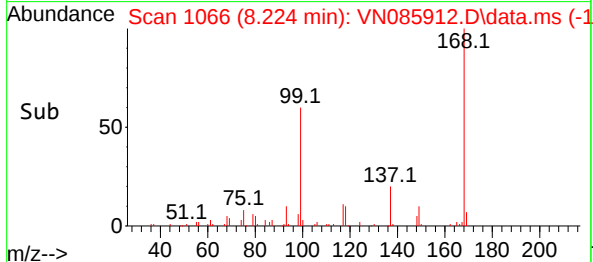
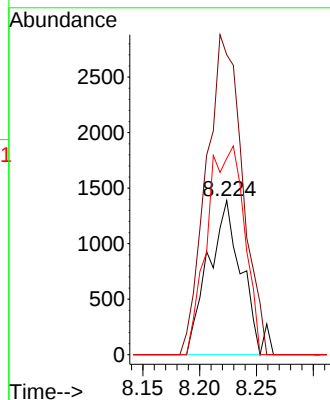
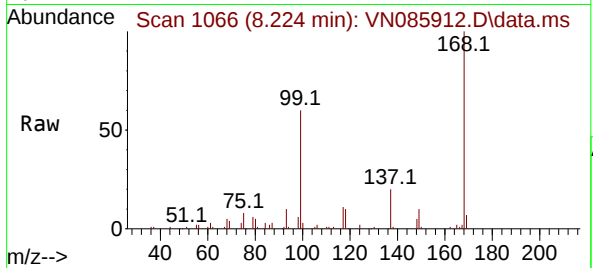




#31
Cyclohexane
Concen: 1.097 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

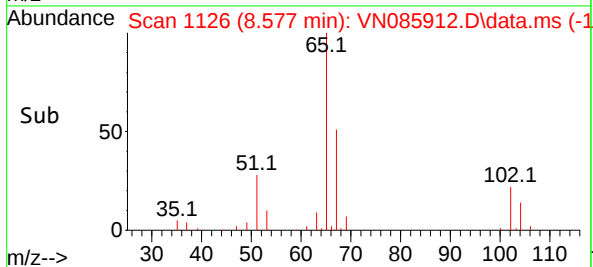
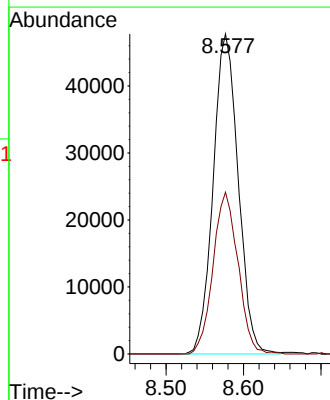
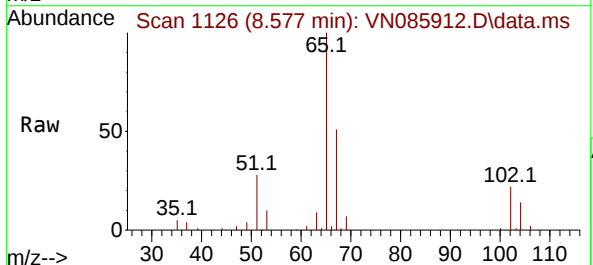
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

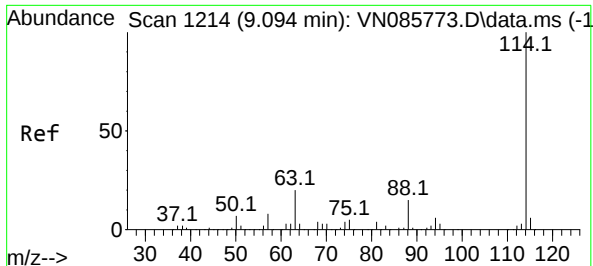
Tgt Ion: 56 Resp: 2853
Ion Ratio Lower Upper
56 100
69 194.6 25.8 38.6#
84 127.4 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 58.907 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 65 Resp: 107299
Ion Ratio Lower Upper
65 100
67 50.3 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: VN085912.D

Acq: 06 Mar 2025 20:44

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#14

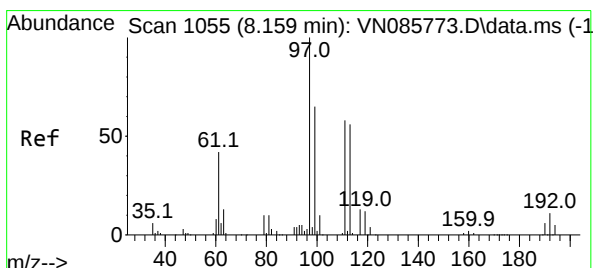
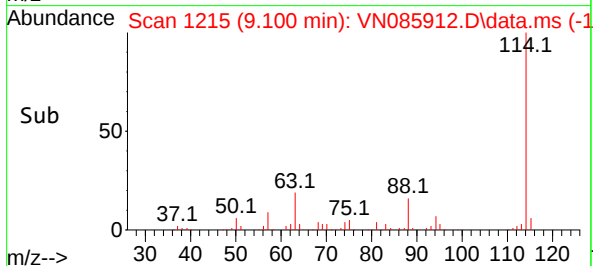
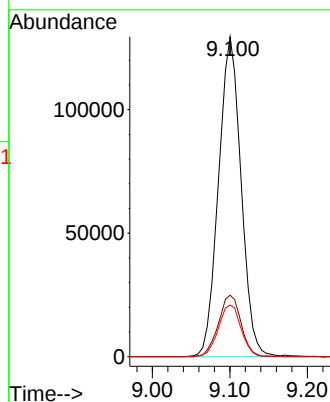
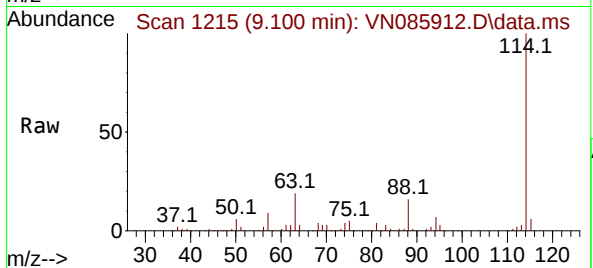
Tgt Ion:114 Resp: 261827

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

88 16.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.887 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085912.D

Acq: 06 Mar 2025 20:44

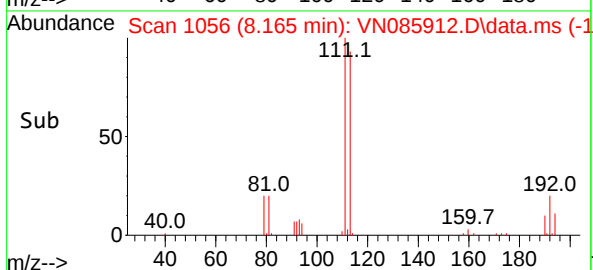
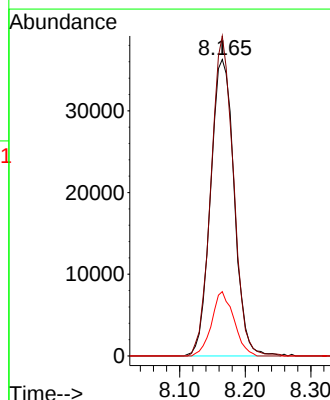
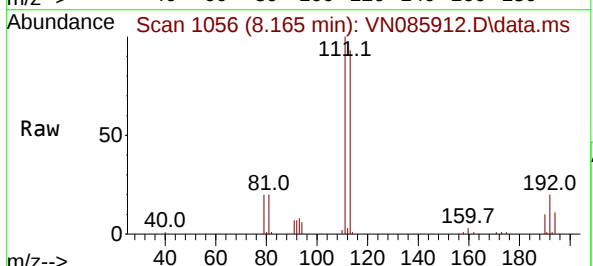
Tgt Ion:113 Resp: 90609

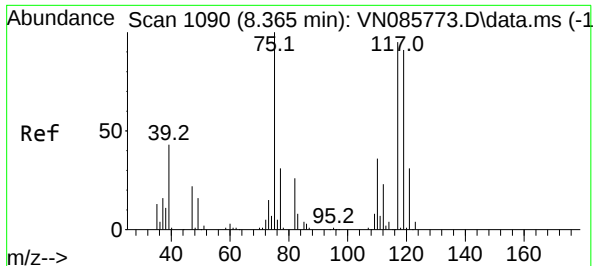
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 20.4 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085912.D

Acq: 06 Mar 2025 20:44

Instrument :

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ClientSampleId :

PB166989ZHE#14

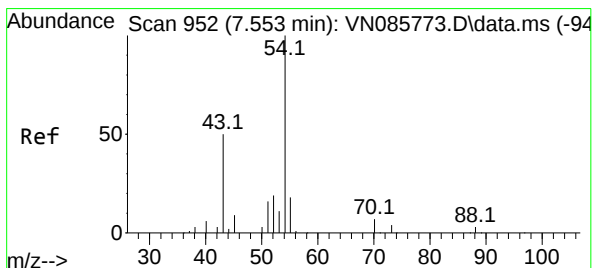
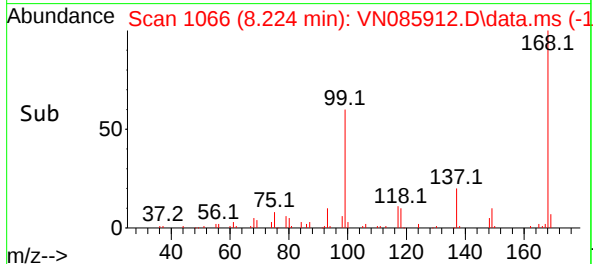
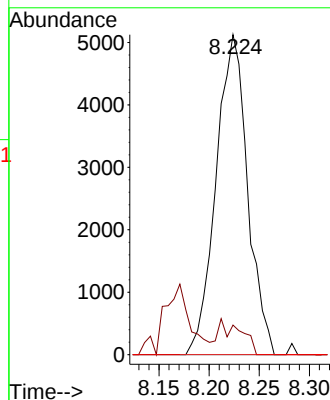
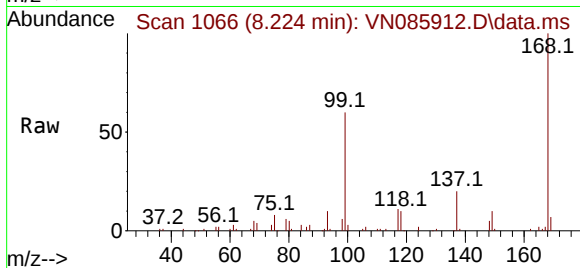
Tgt Ion: 75 Resp: 11197

Ion Ratio Lower Upper

75 100

110 8.2 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.500 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085912.D

Acq: 06 Mar 2025 20:44

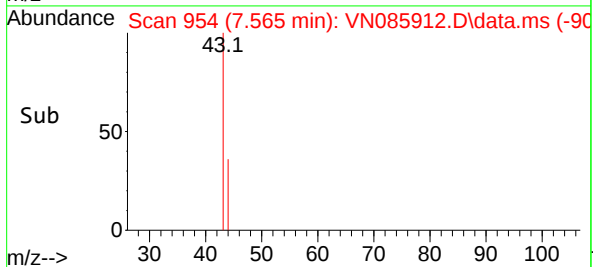
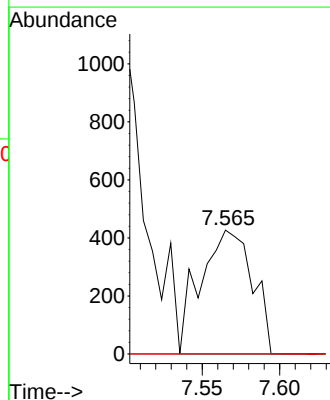
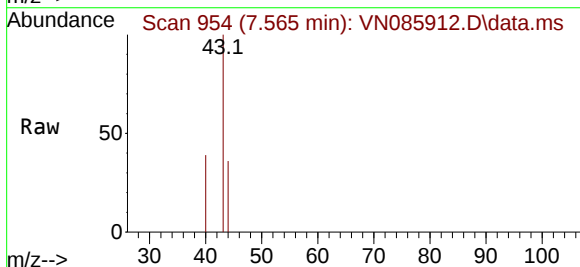
Tgt Ion: 43 Resp: 998

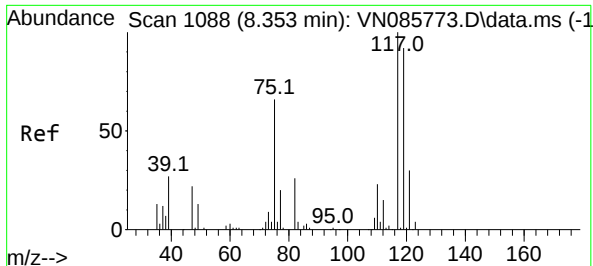
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

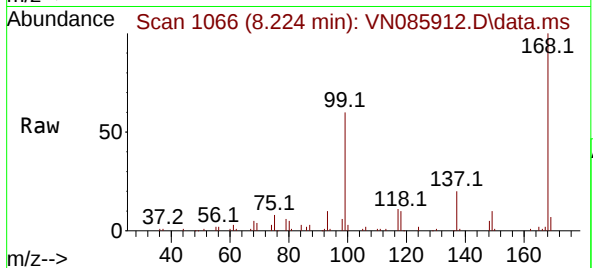
70 0.0 9.5 14.3#



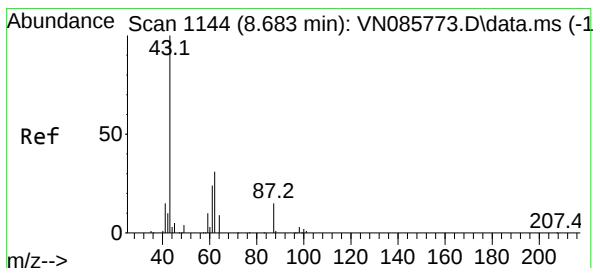
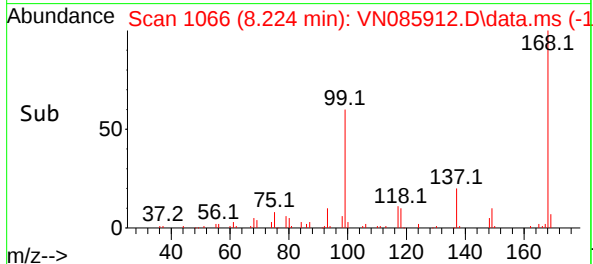
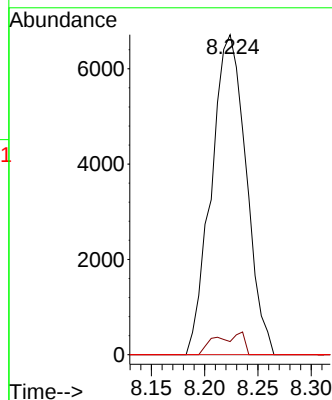


#38
Carbon Tetrachloride
Concen: 5.285 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

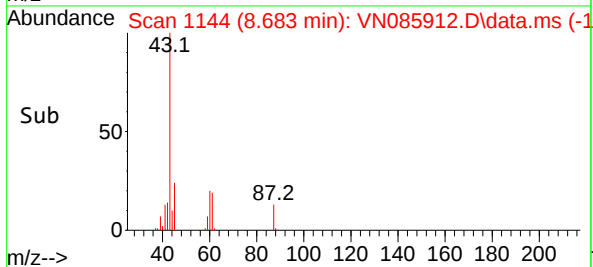
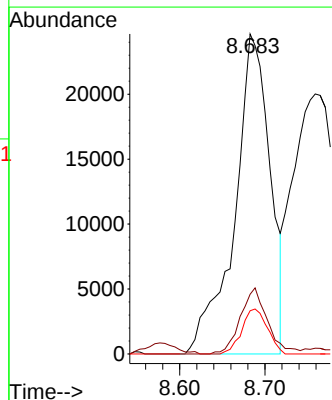
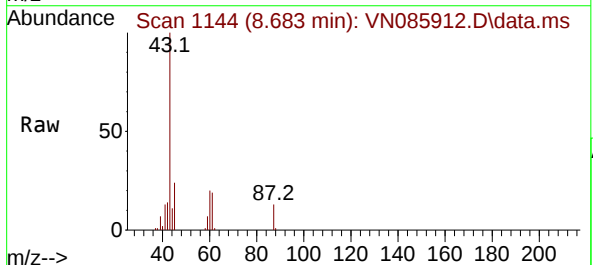


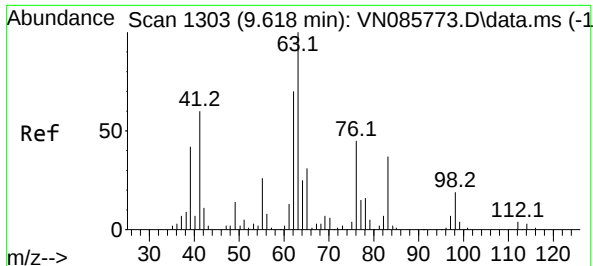
Tgt Ion:117 Resp: 15226
Ion Ratio Lower Upper
117 100
119 4.1 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 19.992 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 43 Resp: 71157
Ion Ratio Lower Upper
43 100
61 15.9 22.6 34.0#
87 10.2 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.457 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN085912.D

Acq: 06 Mar 2025 20:44

Instrument :

MSVOA_N

ClientSampleId :

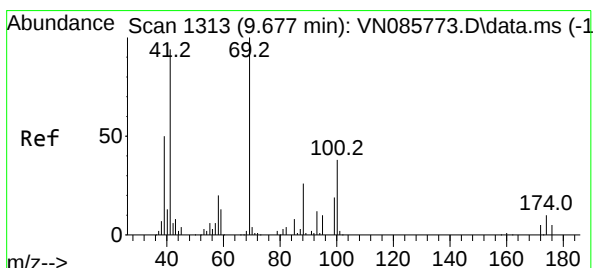
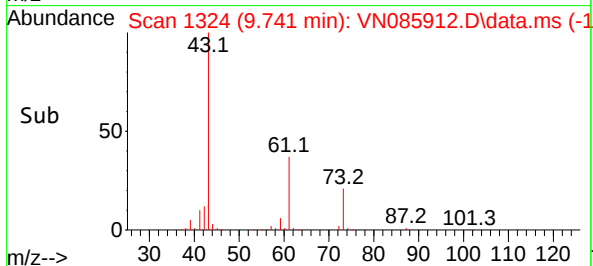
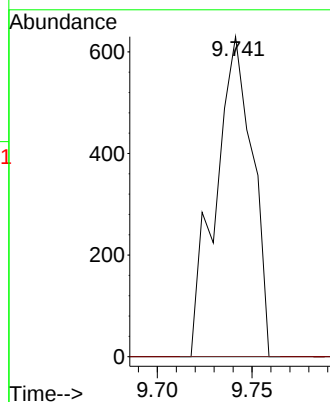
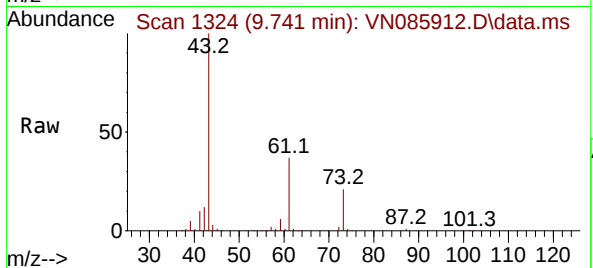
PB166989ZHE#14

Tgt Ion: 63 Resp: 858

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 38.005 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085912.D

Acq: 06 Mar 2025 20:44

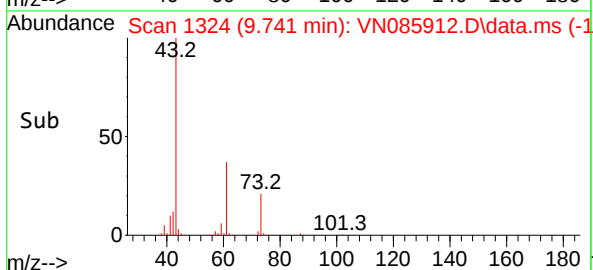
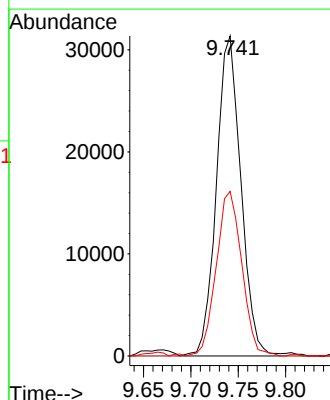
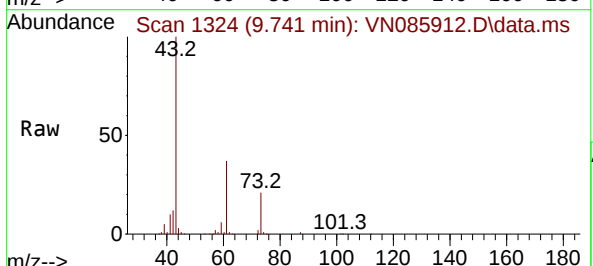
Tgt Ion: 41 Resp: 56321

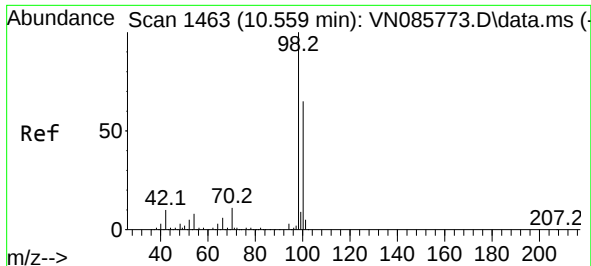
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 53.7 42.3 63.5

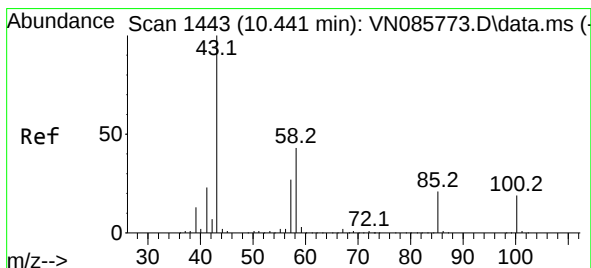
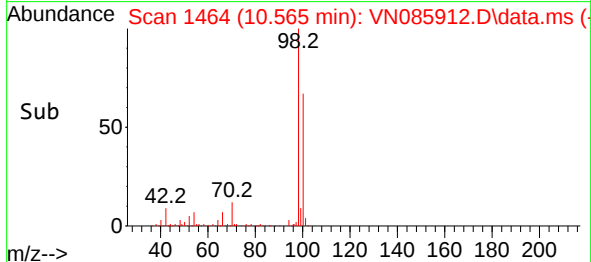
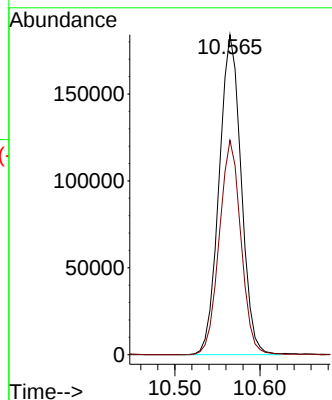
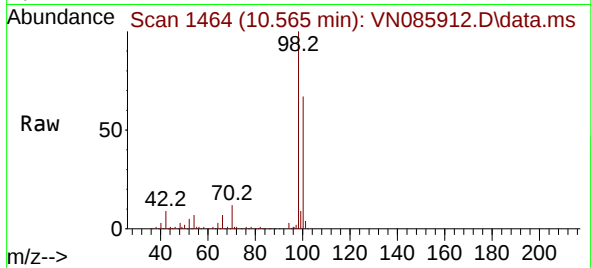




#50
Toluene-d8
Concen: 53.137 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

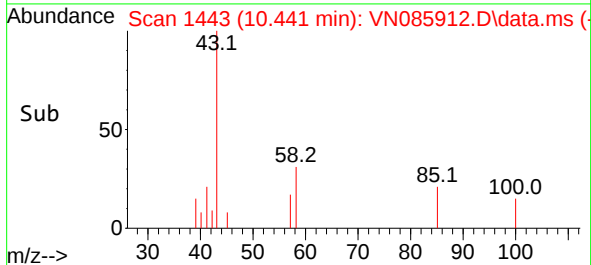
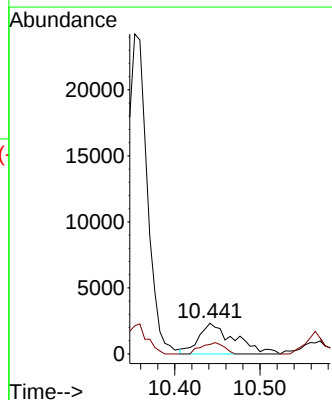
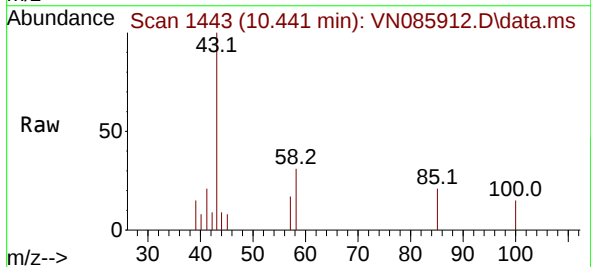
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

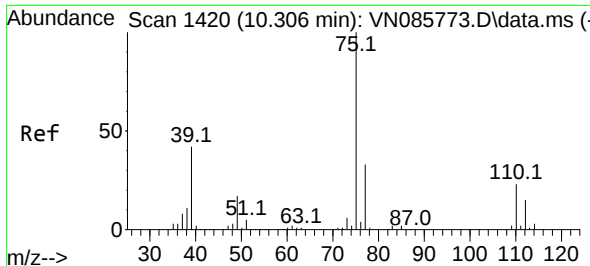
Tgt Ion: 98 Resp: 331225
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.542 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 43 Resp: 6815
Ion Ratio Lower Upper
43 100
58 23.4 34.6 52.0#

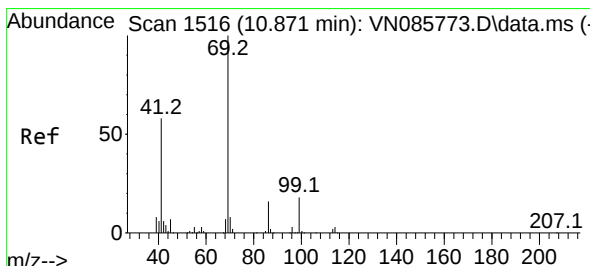
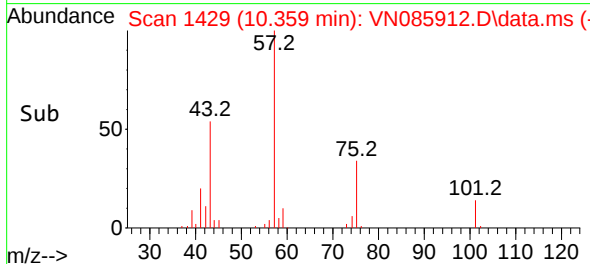
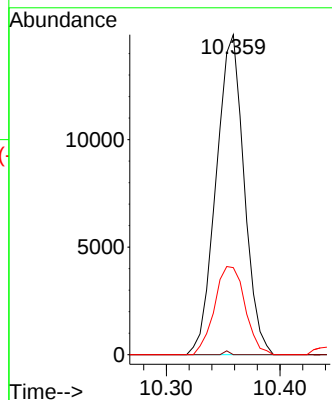
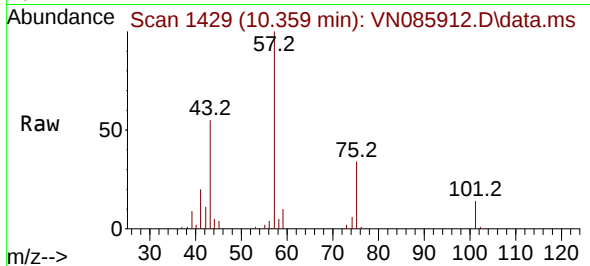




#54
 cis-1,3-Dichloropropene
 Concen: 8.854 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085912.D
 Acq: 06 Mar 2025 20:44

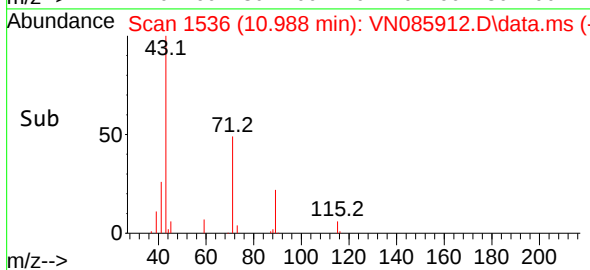
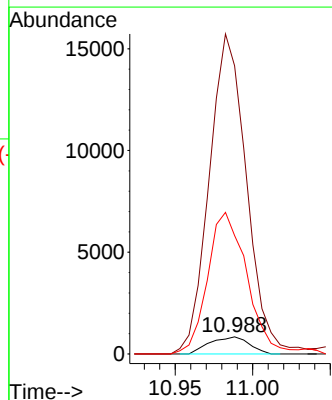
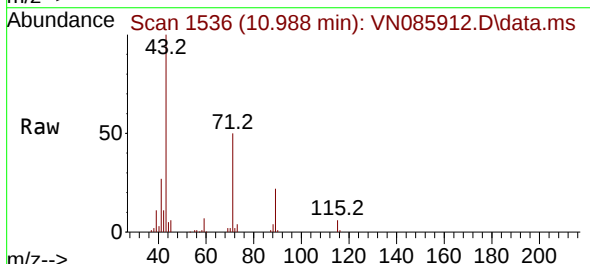
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#14

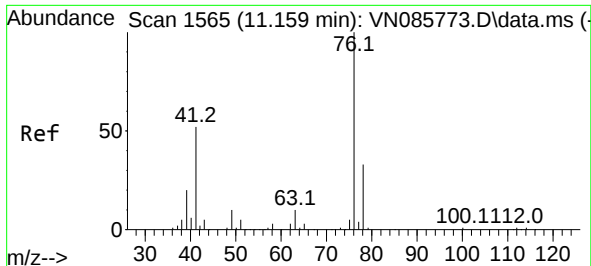
Tgt Ion: 75 Resp: 25415
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 27.2 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.097 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN085912.D
 Acq: 06 Mar 2025 20:44

Tgt Ion: 69 Resp: 1489
 Ion Ratio Lower Upper
 69 100
 41 1772.7 46.0 69.0#
 39 834.9 22.0 33.0#

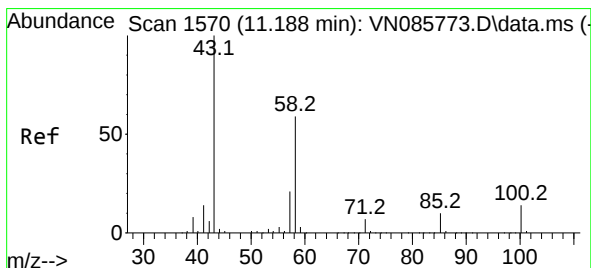
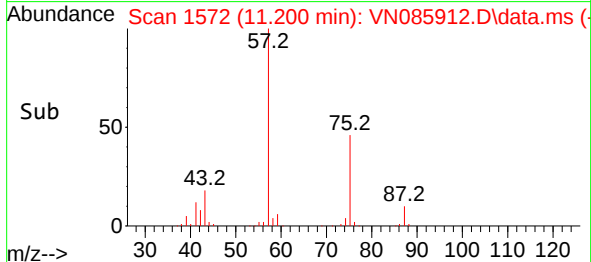
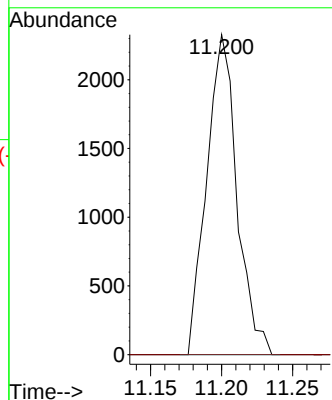
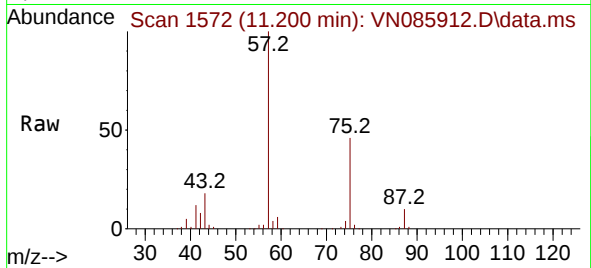




#57
1,3-Dichloropropane
Concen: 1.141 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

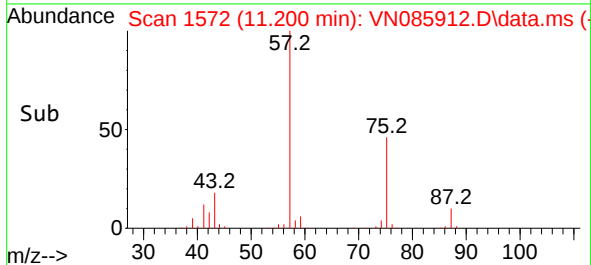
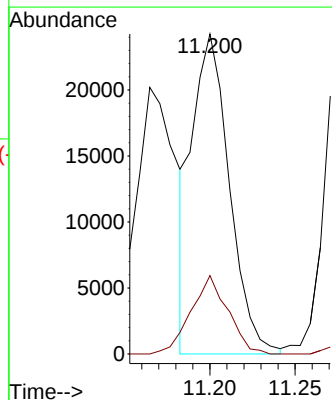
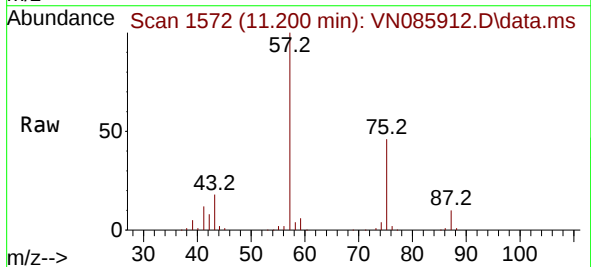
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

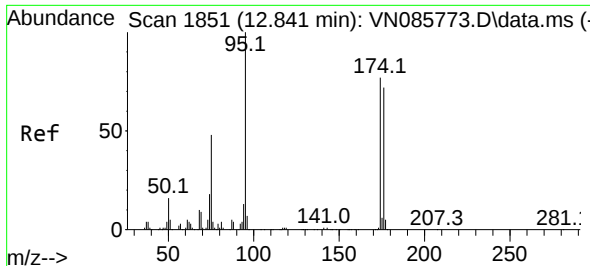
Tgt Ion: 76 Resp: 3449
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 27.783 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 43 Resp: 36771
Ion Ratio Lower Upper
43 100
58 24.4 29.8 89.5#

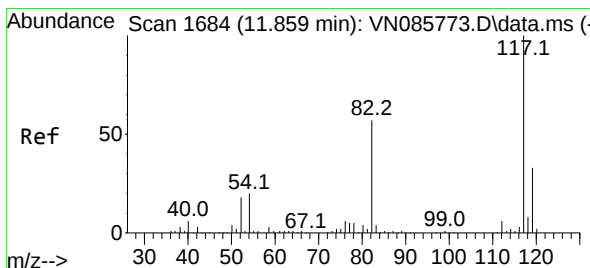
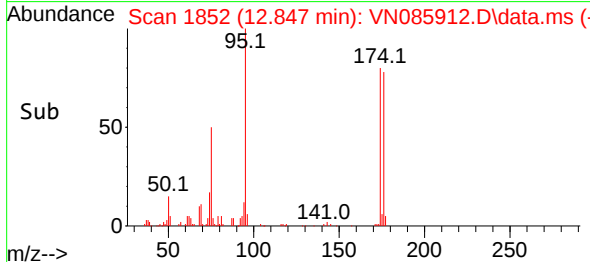
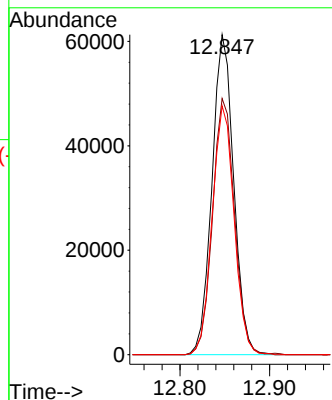
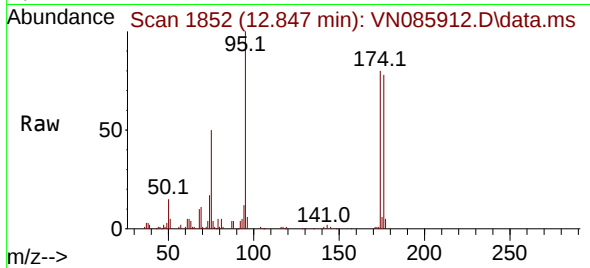




#62
4-Bromofluorobenzene
Concen: 50.070 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

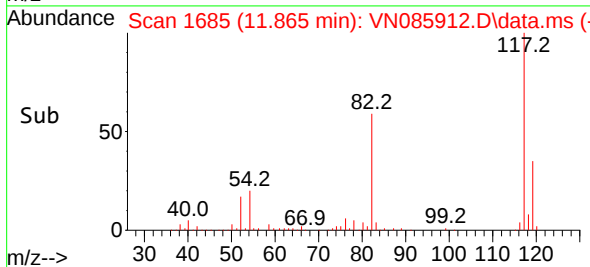
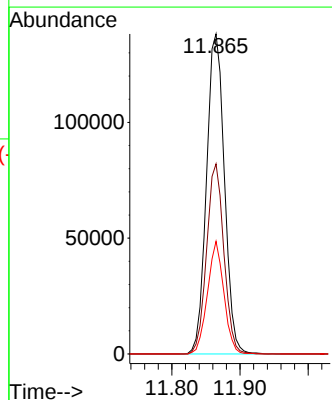
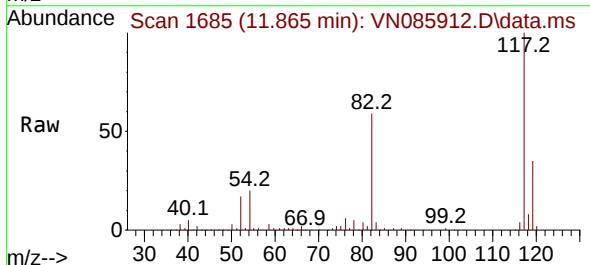
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

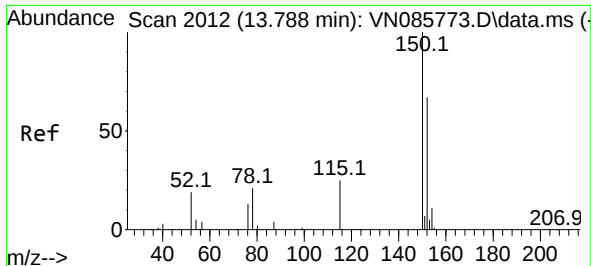
Tgt Ion: 95 Resp: 102833
Ion Ratio Lower Upper
95 100
174 81.2 0.0 152.4
176 78.6 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 117 Resp: 252671
Ion Ratio Lower Upper
117 100
82 59.4 45.7 68.5
119 35.2 26.2 39.2

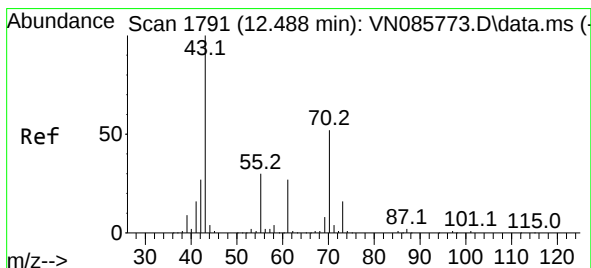
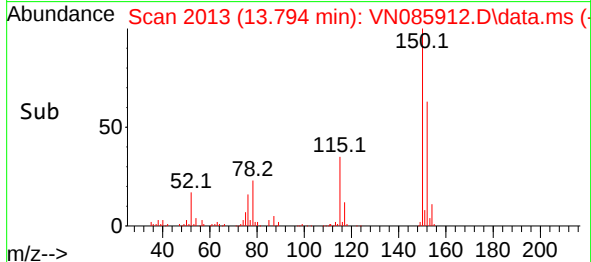
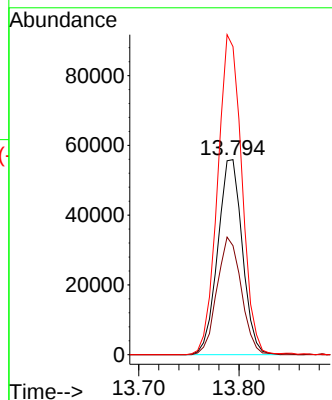
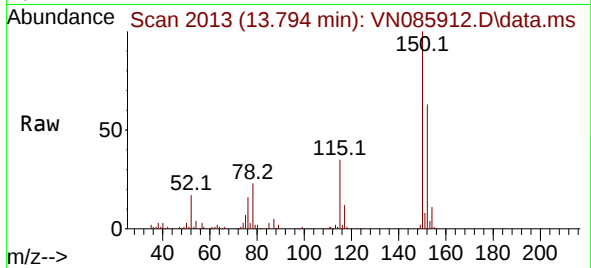




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

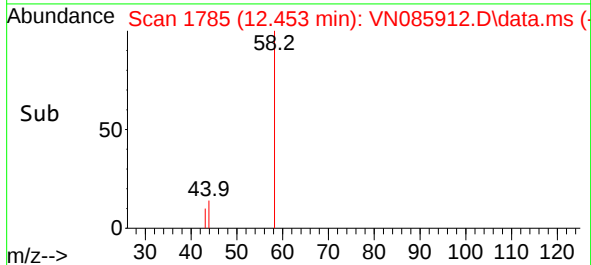
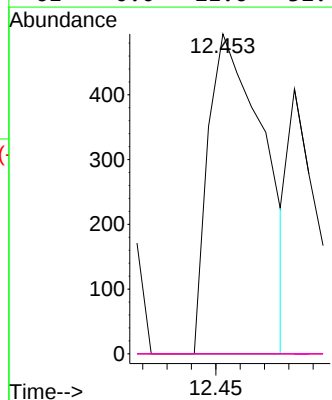
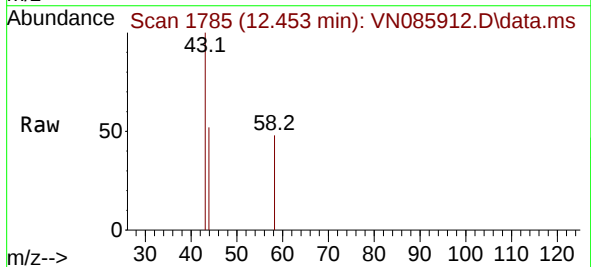
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

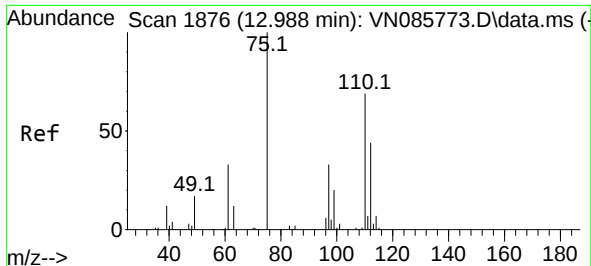
Tgt Ion:152 Resp: 95320
Ion Ratio Lower Upper
152 100
115 59.6 30.4 91.3
150 161.3 0.0 345.4



#74
N-amy1 acetate
Concen: 0.341 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 43 Resp: 786
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#

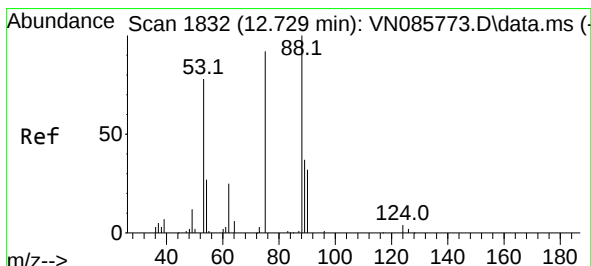
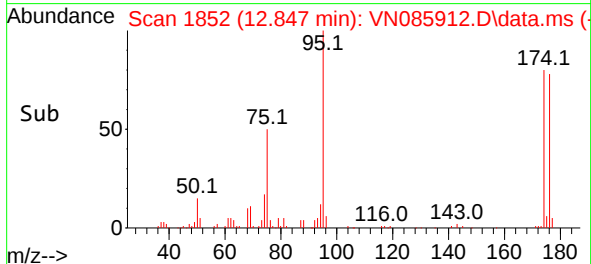
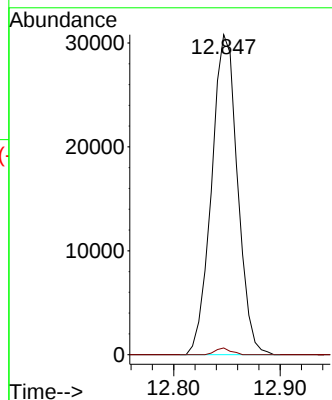
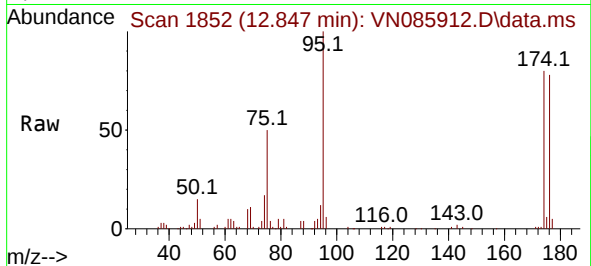




#76
1,2,3-Trichloropropane
Concen: 24.612 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#14

Tgt Ion: 75 Resp: 52112
Ion Ratio Lower Upper
75 100
77 1.3 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.811 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085912.D
Acq: 06 Mar 2025 20:44

Tgt Ion: 75 Resp: 52112
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

