

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085902.D
 Acq On : 06 Mar 2025 16:42
 Operator : JC\MD
 Sample : PB166989ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#04

Quant Time: Mar 07 00:41:02 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)

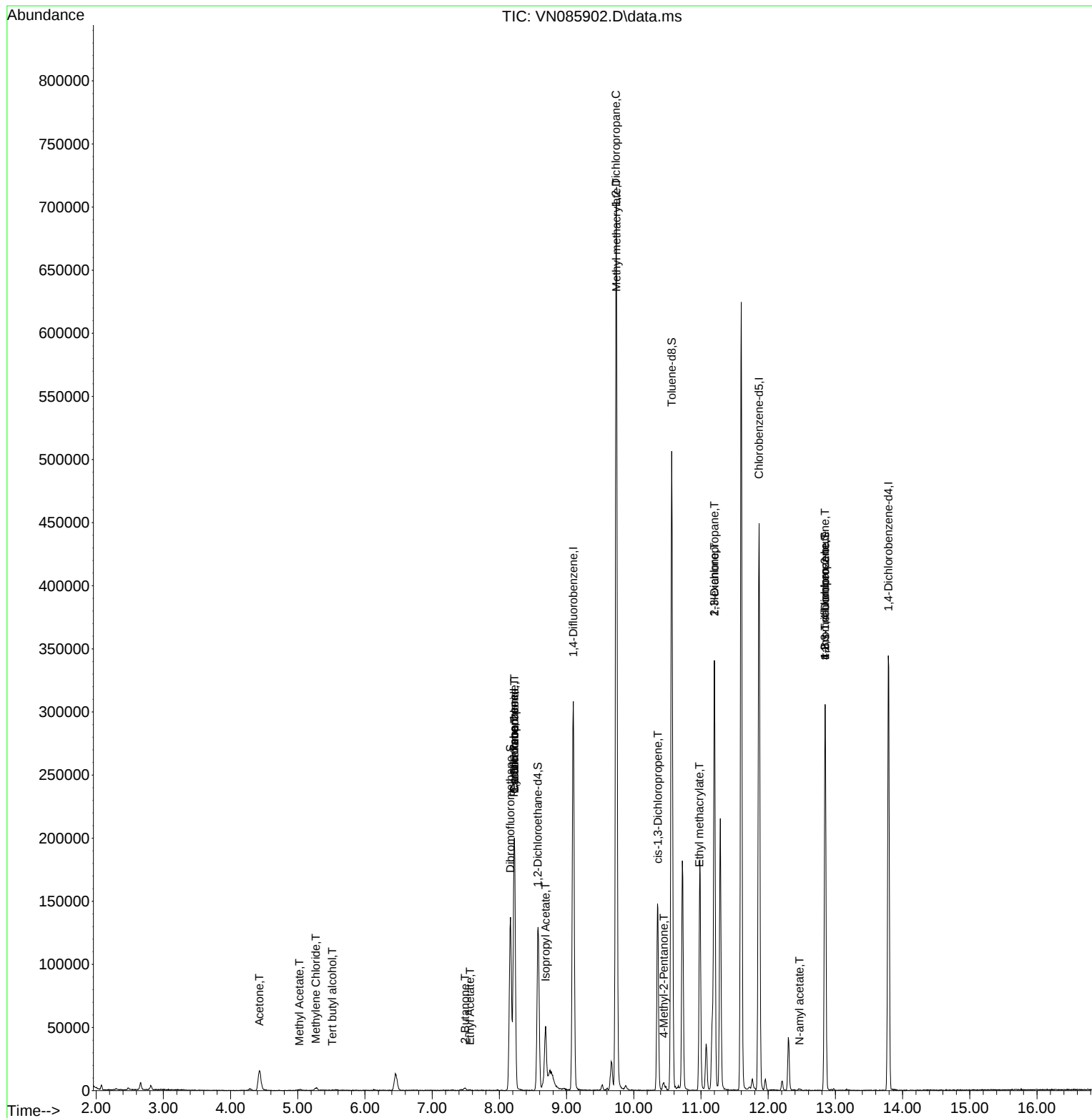
Internal Standards						
1) Pentafluorobenzene	8.218	168	150778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	110614	56.586	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.180%			
35) Dibromofluoromethane	8.165	113	97318	54.200	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.400%			
50) Toluene-d8	10.565	98	358201	54.832	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.660%			
62) 4-Bromofluorobenzene	12.847	95	108091	50.219	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.440%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	141	0.586	ug/l #	72
16) Acetone	4.430	43	30433	49.202	ug/l	95
18) Methyl Acetate	5.024	43	1651	0.776	ug/l #	55
20) Methylene Chloride	5.271	84	1566	0.787	ug/l #	90
25) 2-Butanone	7.488	43	3255	3.577	ug/l #	75
31) Cyclohexane	8.224	56	2679	0.960	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11276	4.437	ug/l #	52
37) Ethyl Acetate	7.565	43	1035	0.495	ug/l #	66
38) Carbon Tetrachloride	8.224	117	15725	5.208	ug/l #	18
43) Isopropyl Acetate	8.688	43	55318	14.687	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	875	0.445	ug/l #	43
48) Methyl methacrylate	9.741	41	61715	39.737	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	6732	3.339	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	29340	9.753	ug/l #	63
56) Ethyl methacrylate	10.976	69	1478	1.064	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4033	1.273	ug/l #	42
59) 2-Hexanone	11.200	43	41875	30.190	ug/l #	53
74) N-amyl acetate	12.465	43	1204	0.499	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	54457	24.557	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54457	71.653	ug/l #	12

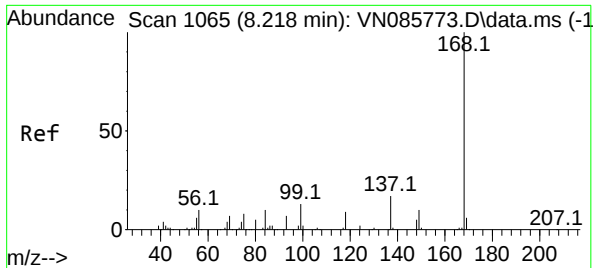
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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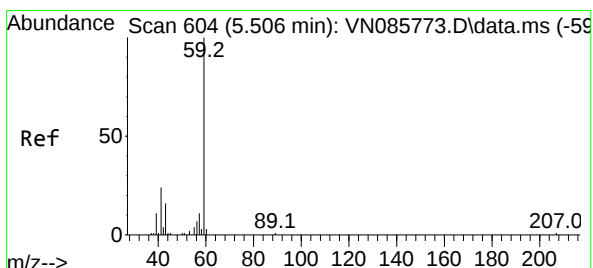
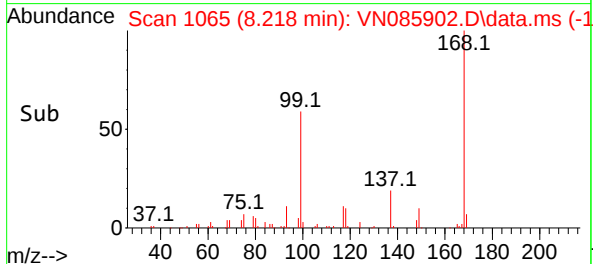
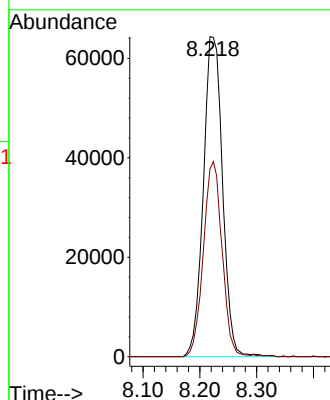
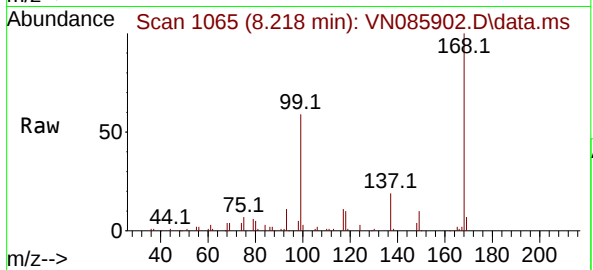




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

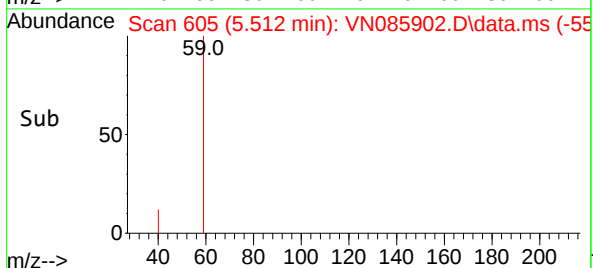
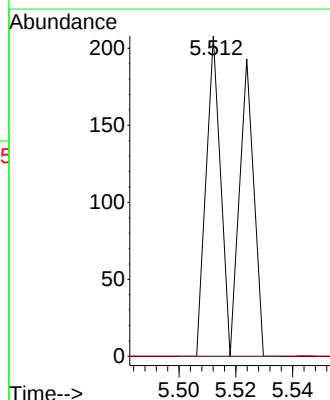
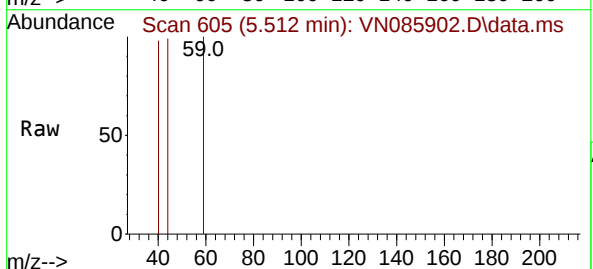
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#04

Tgt Ion:168 Resp: 150778
Ion Ratio Lower Upper
168 100
99 58.6 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.586 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

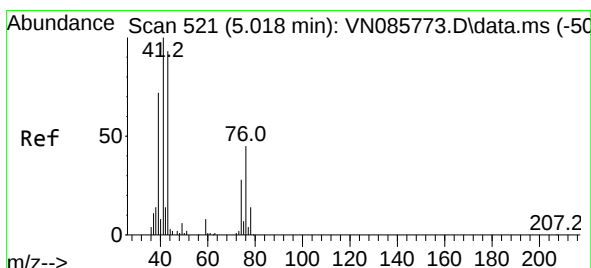
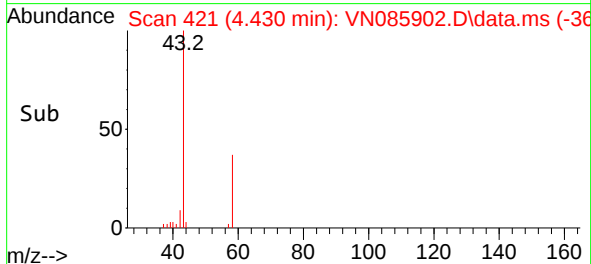
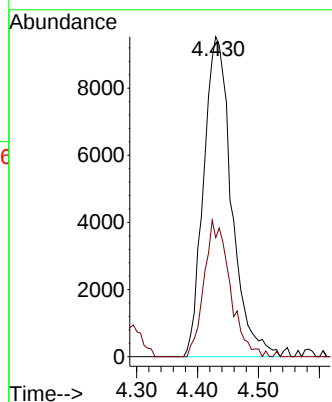
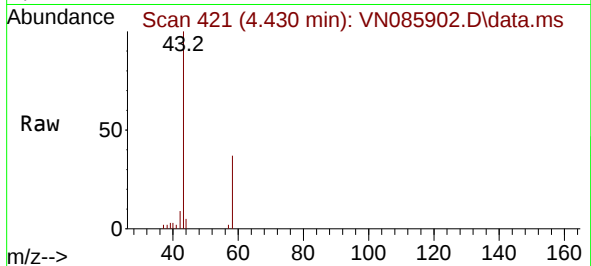




#16
Acetone
Concen: 49.202 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

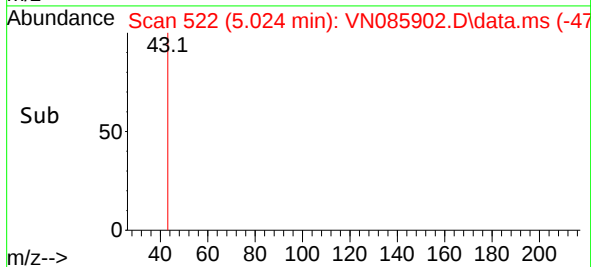
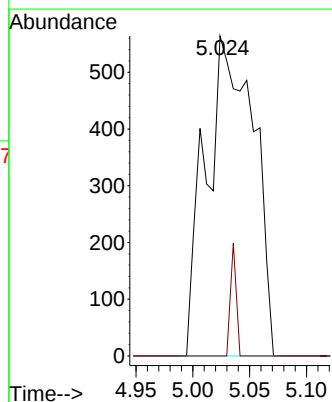
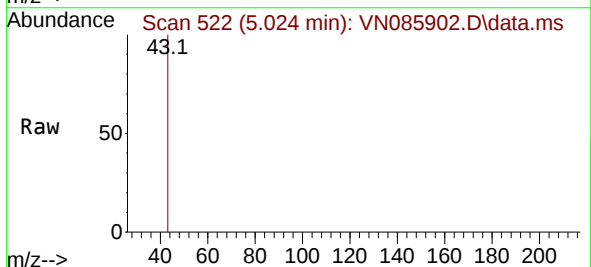
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#04

Tgt Ion: 43 Resp: 30433
Ion Ratio Lower Upper
43 100
58 37.2 27.5 41.3



#18
Methyl Acetate
Concen: 0.776 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

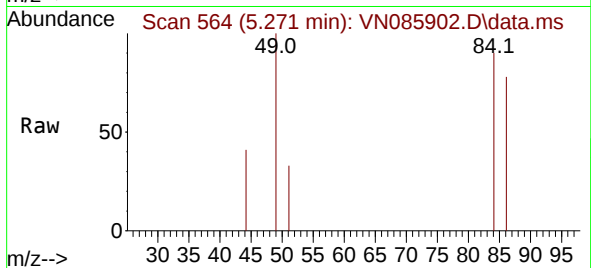
Tgt Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
74 4.2 22.2 33.4#



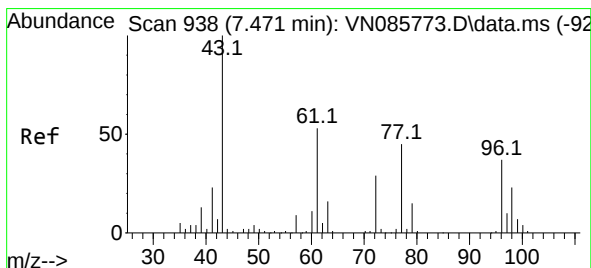
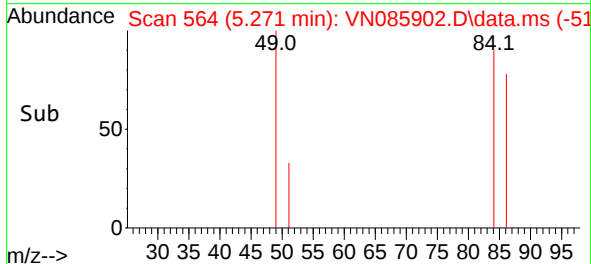
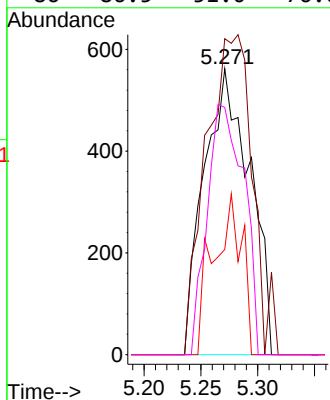


#20
Methylene Chloride
Concen: 0.787 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#04

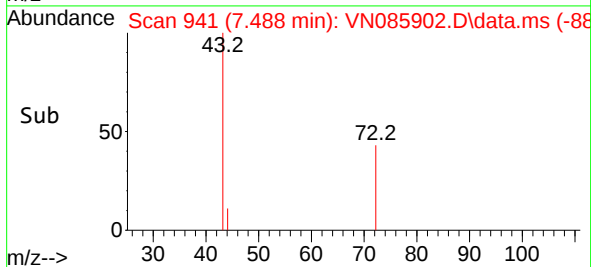
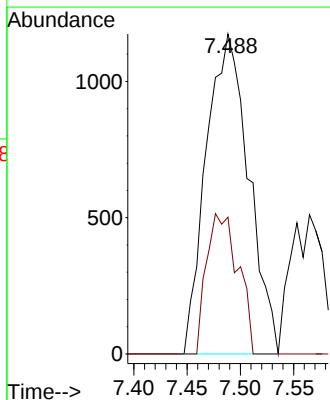
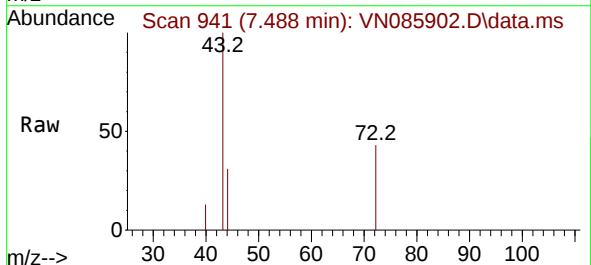


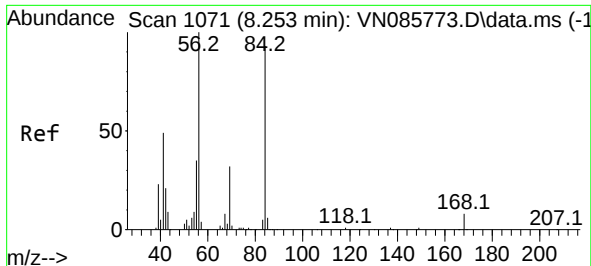
Tgt Ion: 84	Resp: 1566
Ion Ratio	Lower Upper
84 100	
49 110.5	88.4 132.6
51 36.8	26.6 40.0
86 86.5	51.0 76.6#



#25
2-Butanone
Concen: 3.577 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

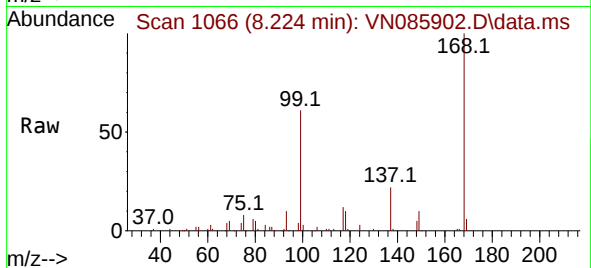
Tgt Ion: 43	Resp: 3255
Ion Ratio	Lower Upper
43 100	
72 42.8	23.6 35.4#



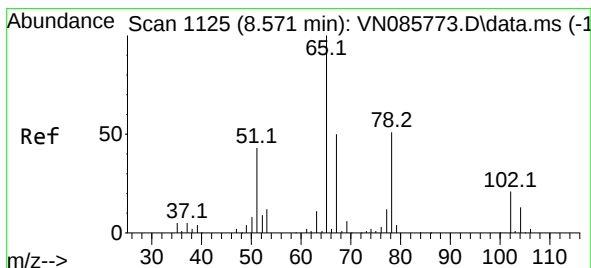
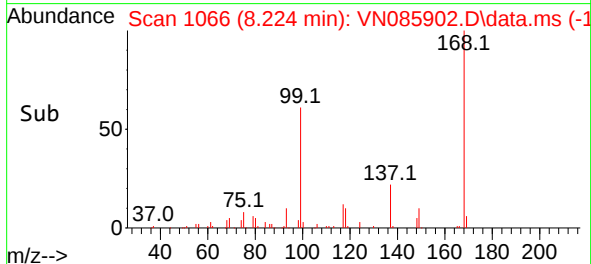
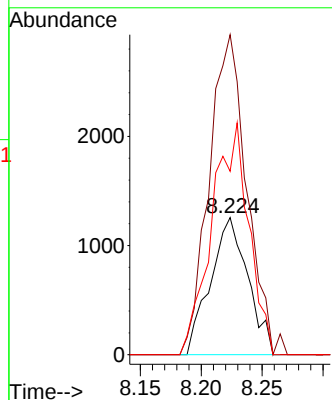


#31
Cyclohexane
Concen: 0.960 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#04

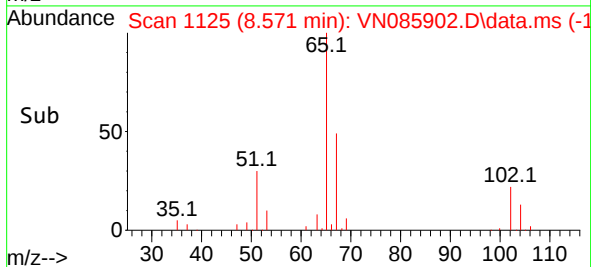
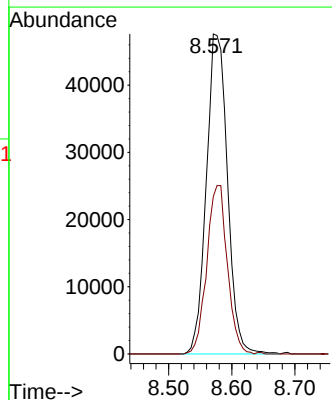
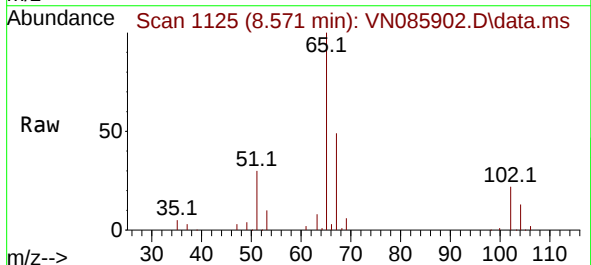


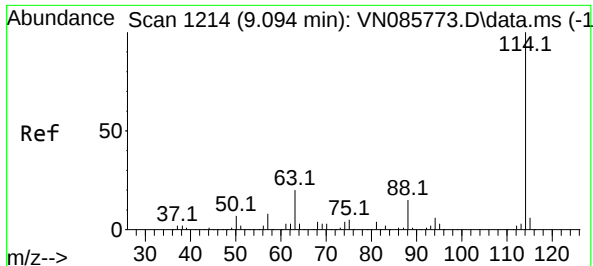
Tgt Ion: 56 Resp: 2679
Ion Ratio Lower Upper
56 100
69 233.3 25.8 38.6#
84 133.7 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 56.586 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Tgt Ion: 65 Resp: 110614
Ion Ratio Lower Upper
65 100
67 51.1 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: VN085902.D

Acq: 06 Mar 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#04

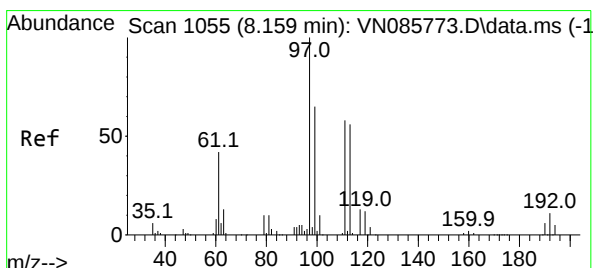
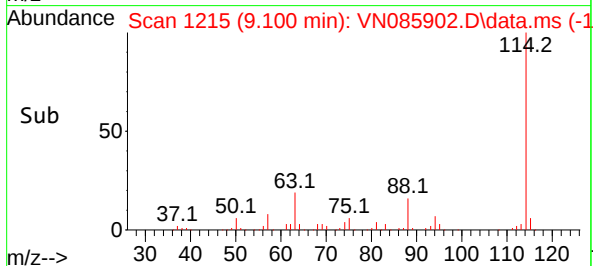
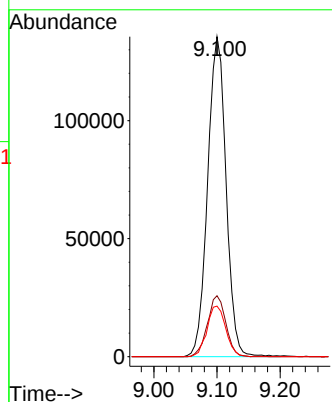
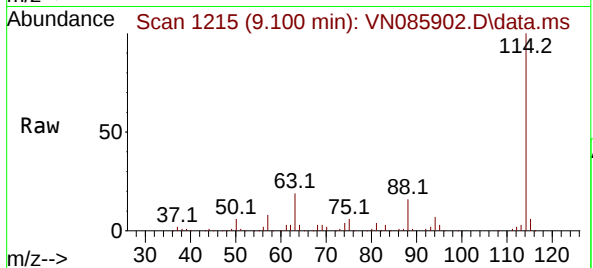
Tgt Ion:114 Resp: 274398

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

88 15.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.200 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085902.D

Acq: 06 Mar 2025 16:42

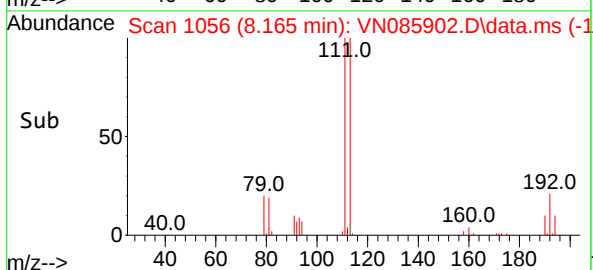
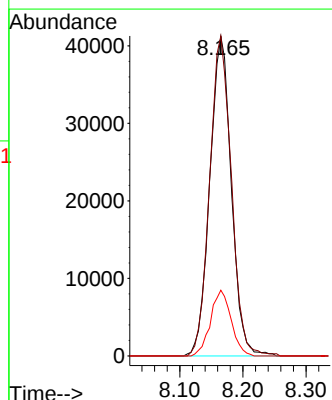
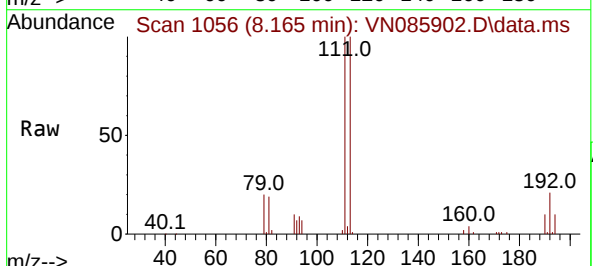
Tgt Ion:113 Resp: 97318

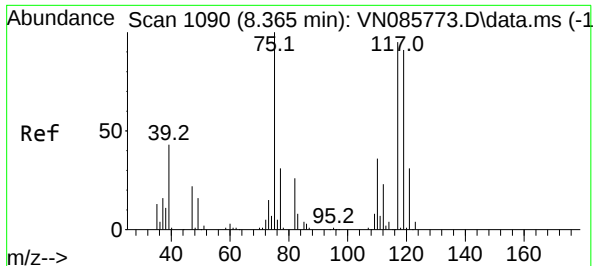
Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

192 19.8 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.437 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085902.D

Acq: 06 Mar 2025 16:42

Instrument :

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ClientSampleId :

PB166989ZHE#04

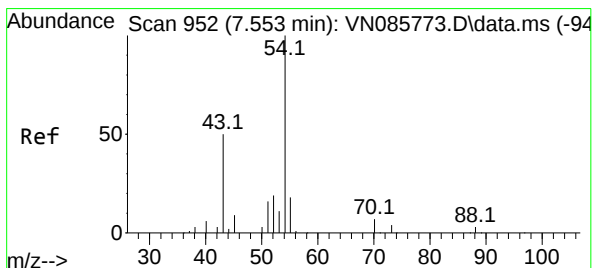
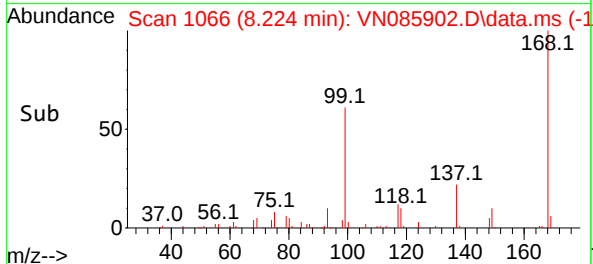
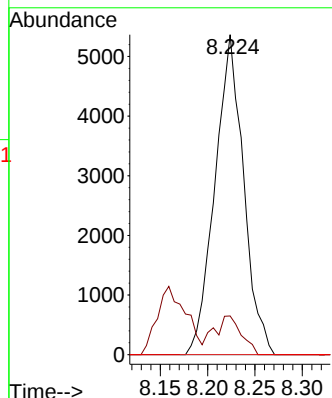
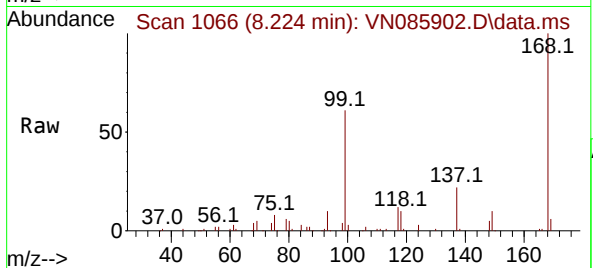
Tgt Ion: 75 Resp: 11276

Ion Ratio Lower Upper

75 100

110 11.6 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.495 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085902.D

Acq: 06 Mar 2025 16:42

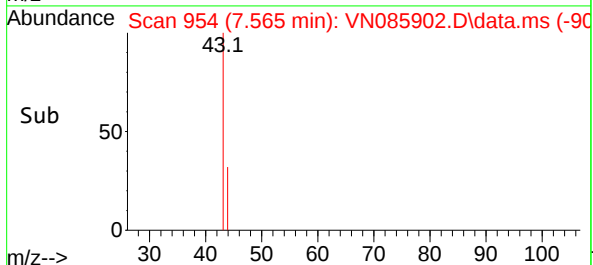
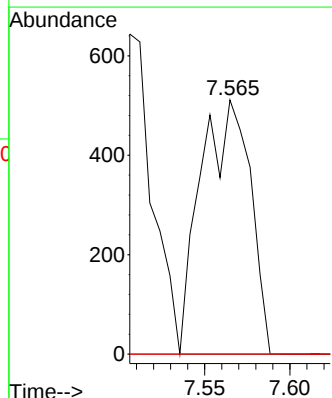
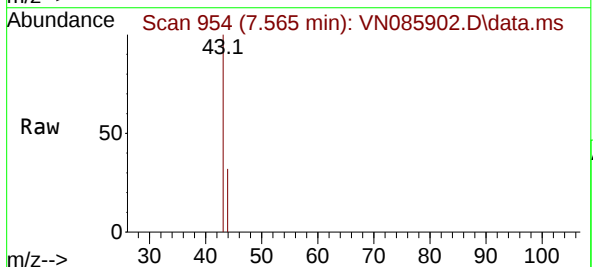
Tgt Ion: 43 Resp: 1035

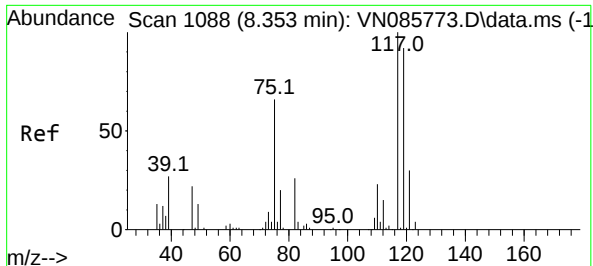
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

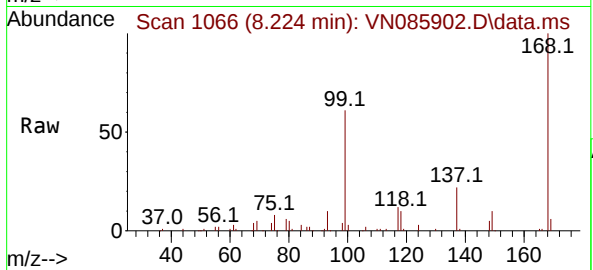
70 0.0 9.5 14.3#



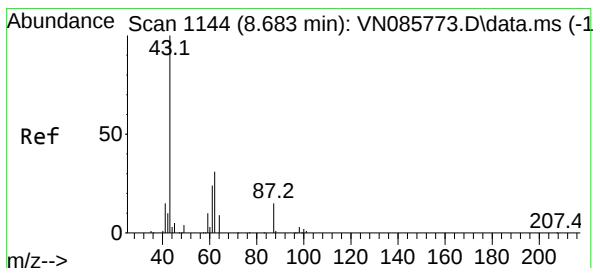
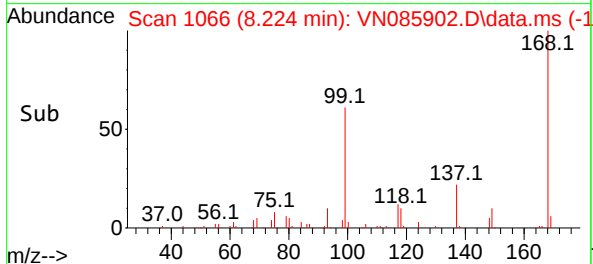
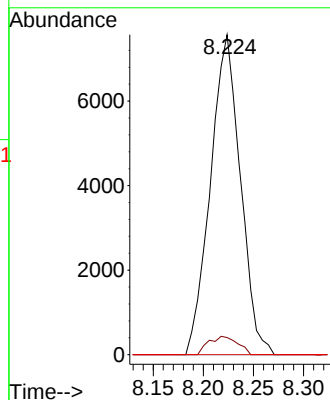


#38
Carbon Tetrachloride
Concen: 5.208 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.129 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#04

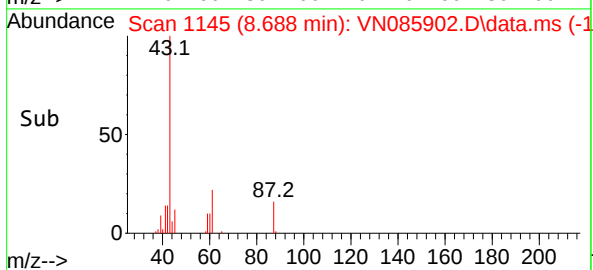
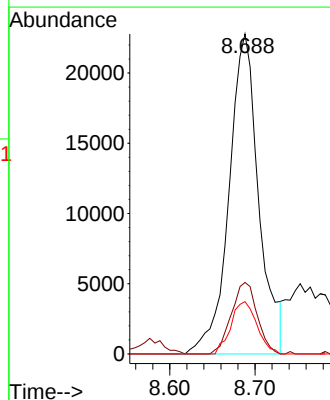
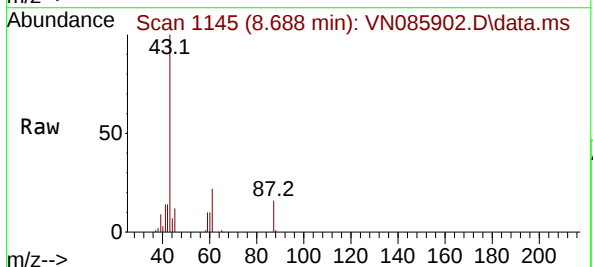


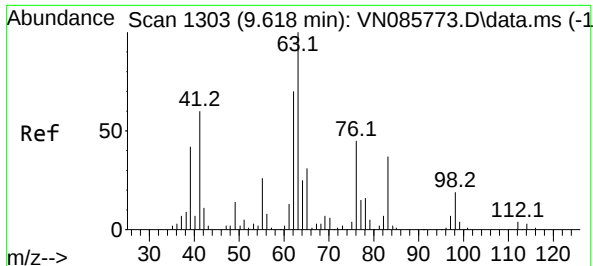
Tgt Ion:117 Resp: 15725
Ion Ratio Lower Upper
117 100
119 5.3 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 14.687 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Tgt Ion: 43 Resp: 55318
Ion Ratio Lower Upper
43 100
61 19.4 22.6 34.0#
87 14.3 11.8 17.8





#45

1,2-Dichloropropane

Concen: 0.445 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085902.D

Acq: 06 Mar 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

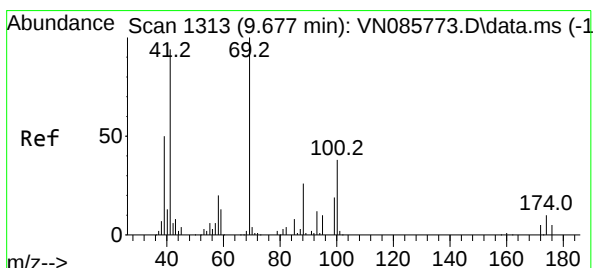
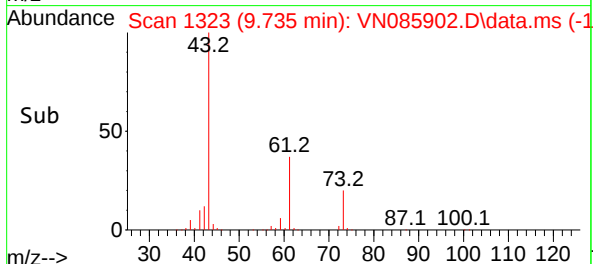
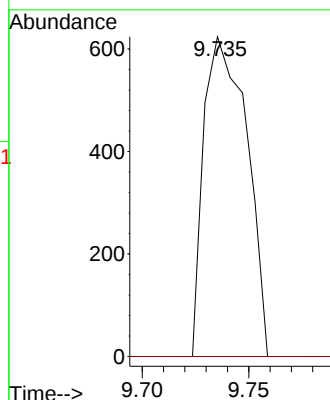
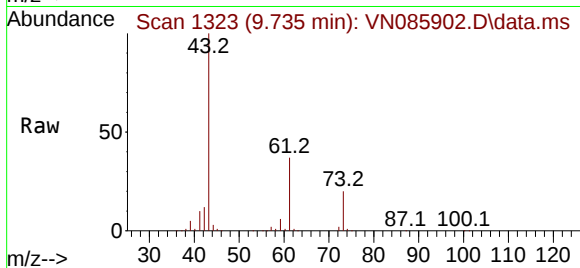
PB166989ZHE#04

Tgt Ion: 63 Resp: 875

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 39.737 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085902.D

Acq: 06 Mar 2025 16:42

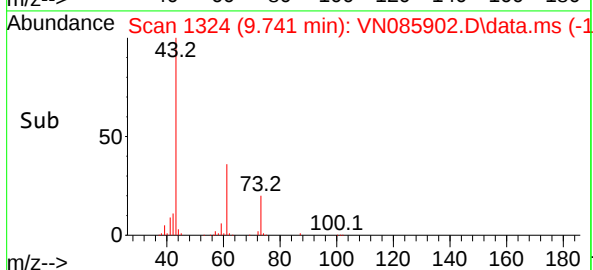
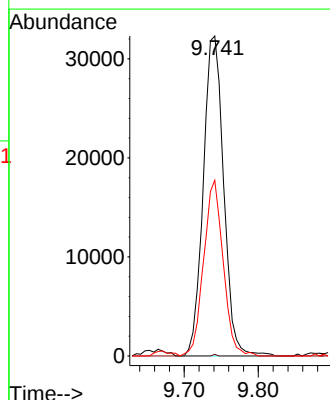
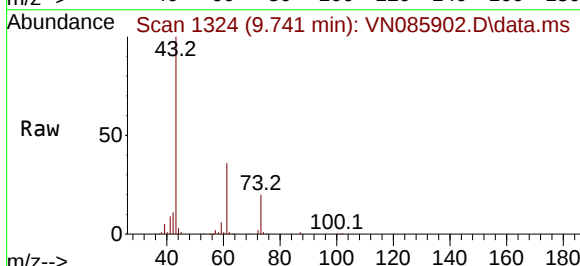
Tgt Ion: 41 Resp: 61715

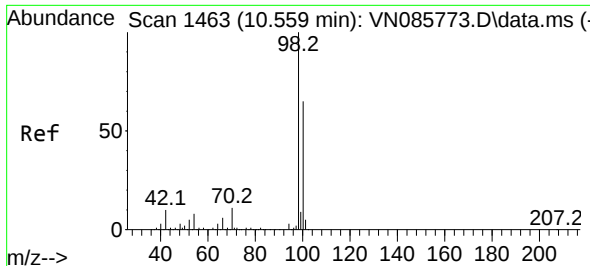
Ion Ratio Lower Upper

41 100

69 0.1 76.0 114.0#

39 52.5 42.3 63.5

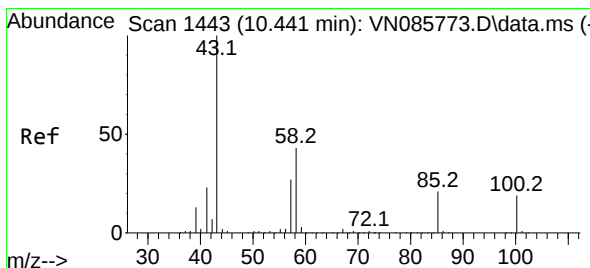
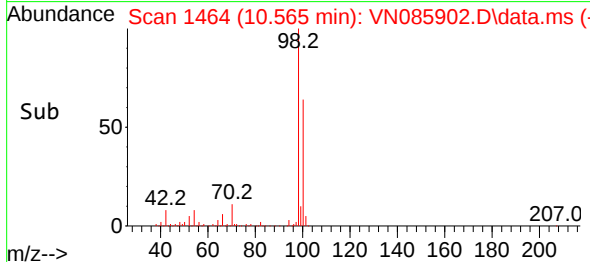
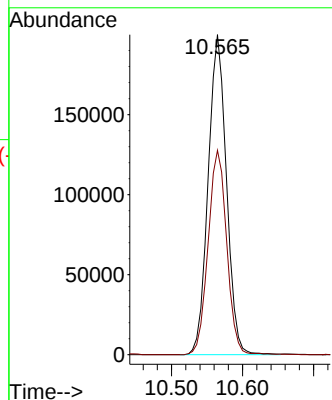
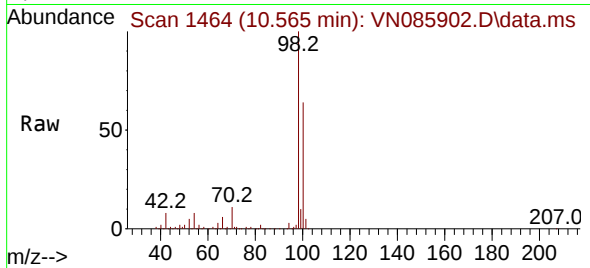




#50
Toluene-d8
Concen: 54.832 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

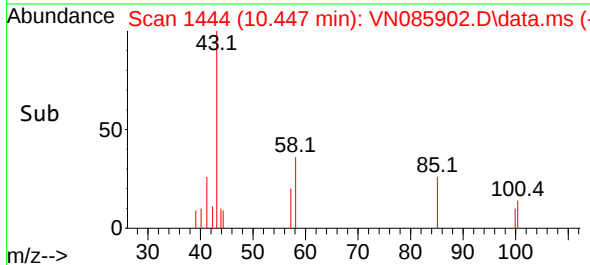
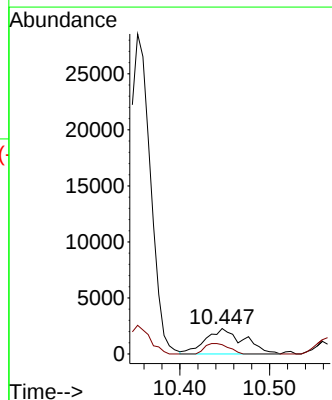
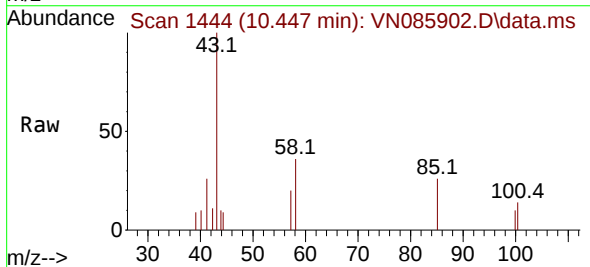
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#04

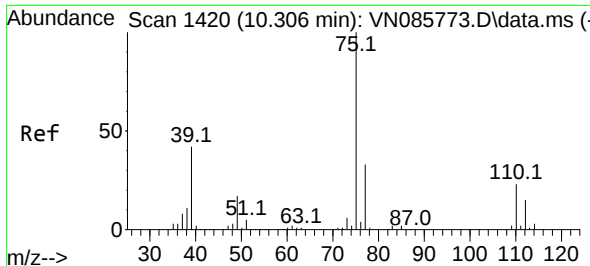
Tgt Ion: 98 Resp: 358201
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.339 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Tgt Ion: 43 Resp: 6732
Ion Ratio Lower Upper
43 100
58 25.4 34.6 52.0#

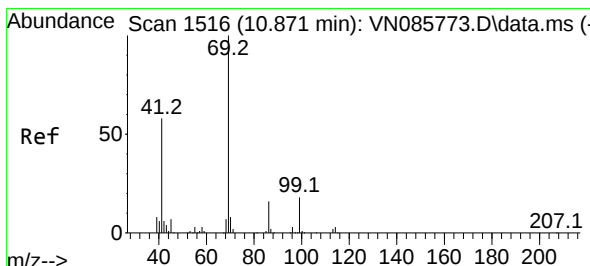
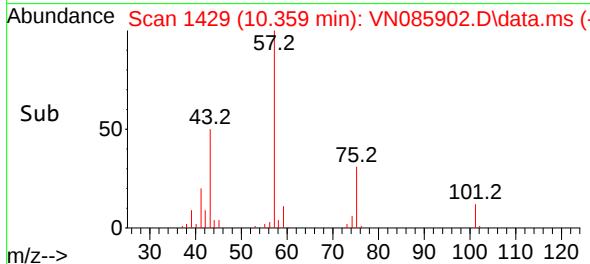
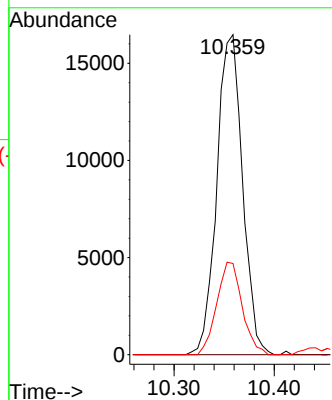
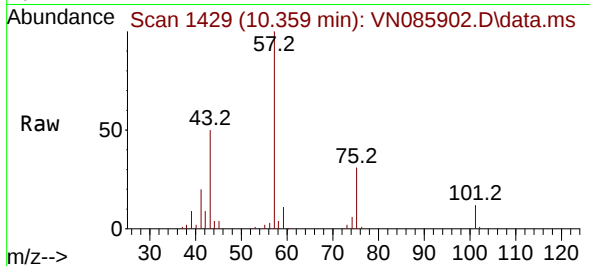




#54
 cis-1,3-Dichloropropene
 Concen: 9.753 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085902.D
 Acq: 06 Mar 2025 16:42

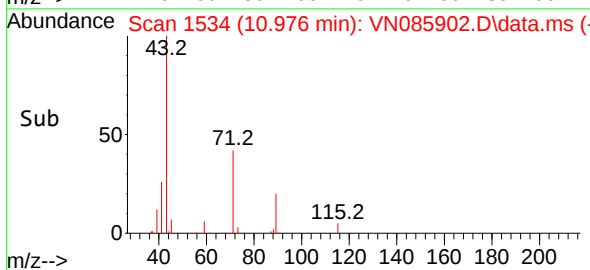
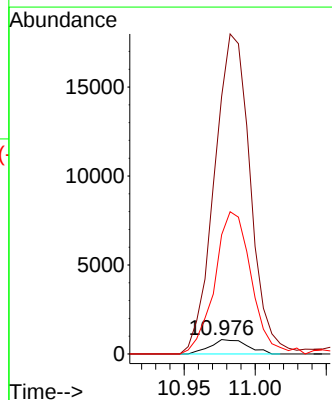
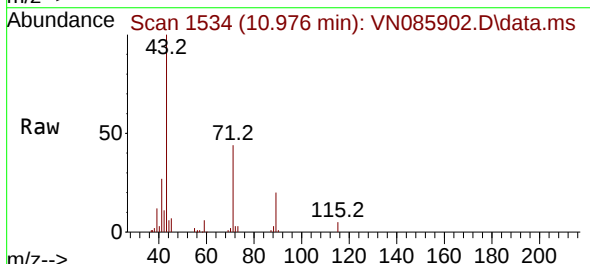
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#04

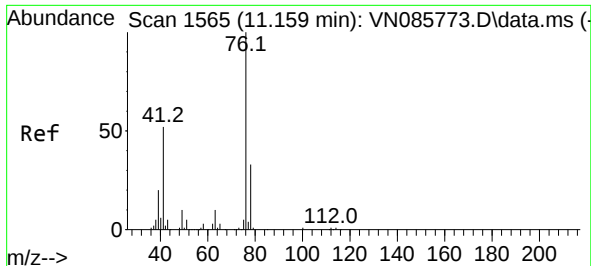
Tgt Ion: 75 Resp: 29340
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 28.5 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.064 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.105 min
 Lab File: VN085902.D
 Acq: 06 Mar 2025 16:42

Tgt Ion: 69 Resp: 1478
 Ion Ratio Lower Upper
 69 100
 41 2138.7 46.0 69.0#
 39 970.5 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.273 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085902.D

Acq: 06 Mar 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

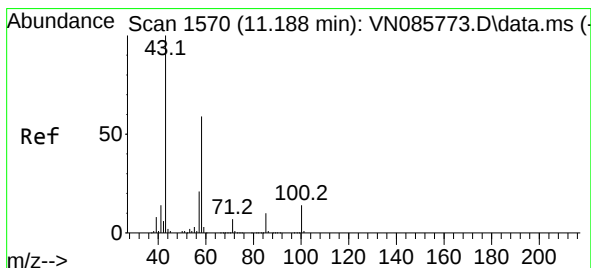
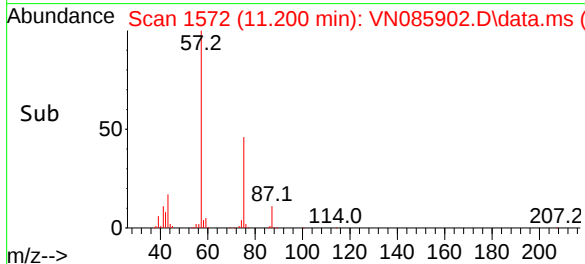
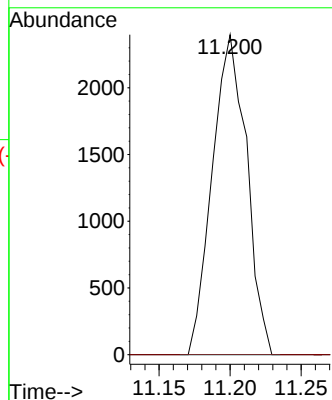
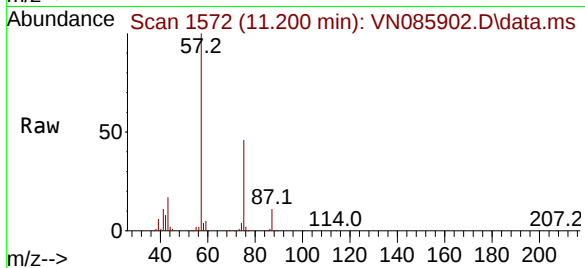
PB166989ZHE#04

Tgt Ion: 76 Resp: 4033

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 30.190 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085902.D

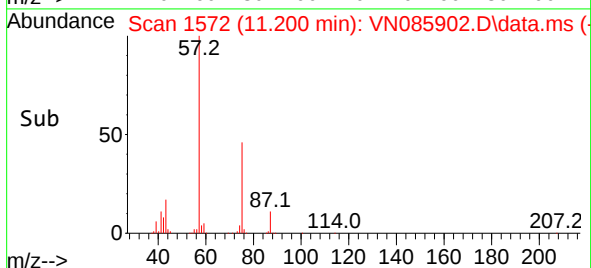
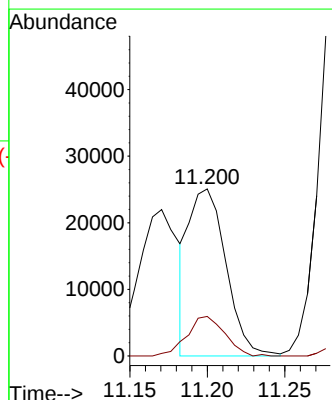
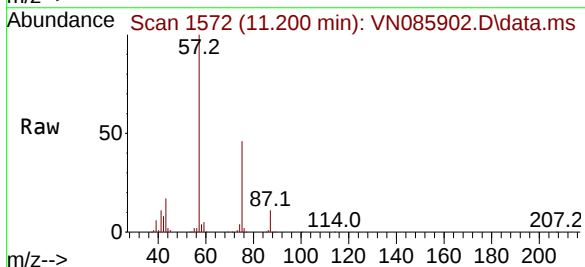
Acq: 06 Mar 2025 16:42

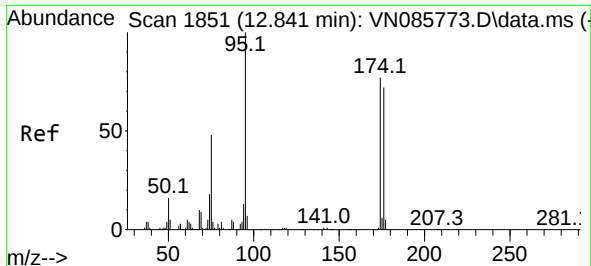
Tgt Ion: 43 Resp: 41875

Ion Ratio Lower Upper

43 100

58 24.1 29.8 89.5#

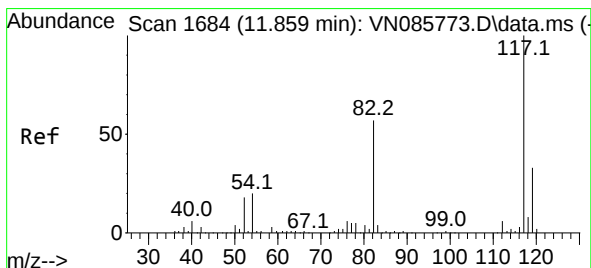
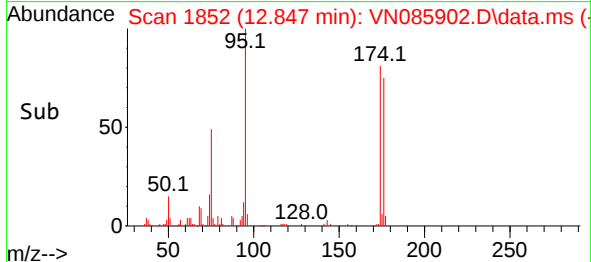
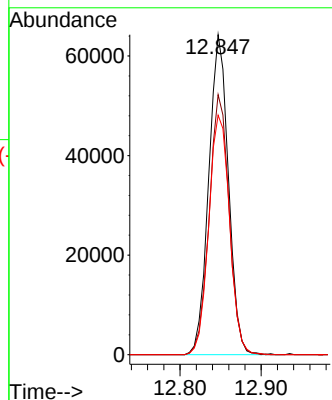
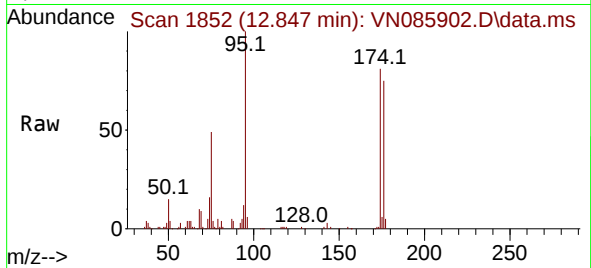




#62
4-Bromofluorobenzene
Concen: 50.219 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

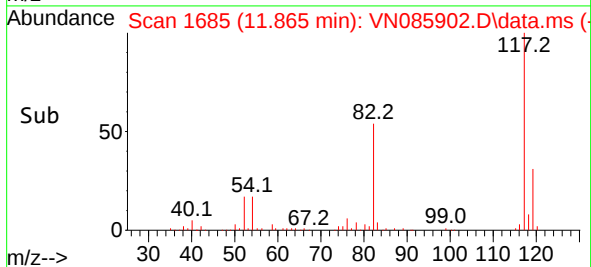
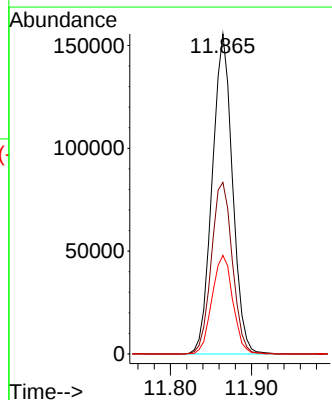
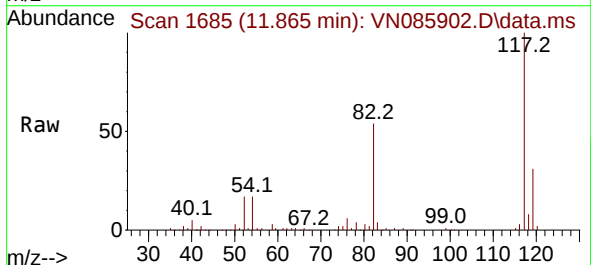
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#04

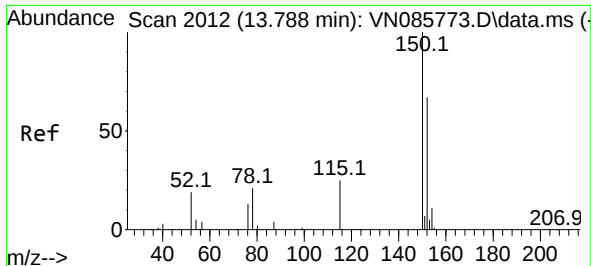
Tgt Ion: 95 Resp: 108091
Ion Ratio Lower Upper
95 100
174 82.6 0.0 152.4
176 79.1 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Tgt Ion: 117 Resp: 269456
Ion Ratio Lower Upper
117 100
82 53.6 45.7 68.5
119 30.8 26.2 39.2

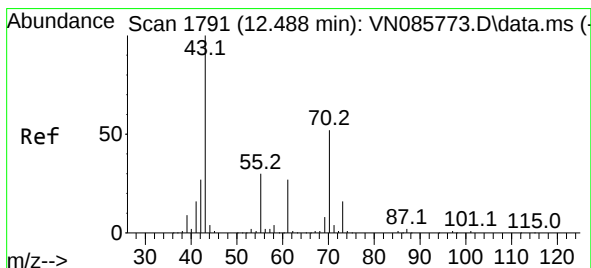
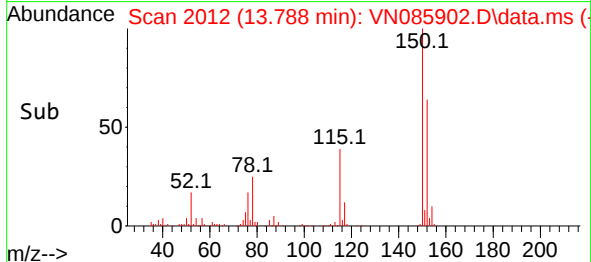
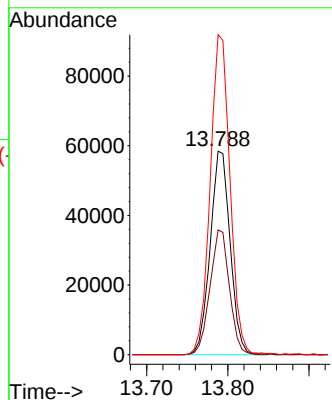
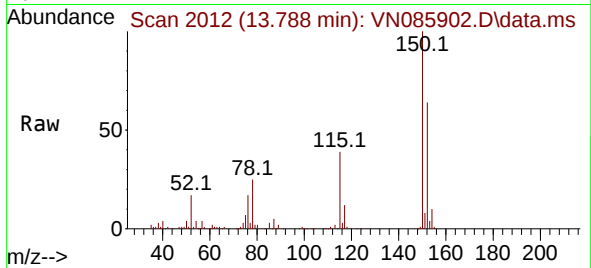




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

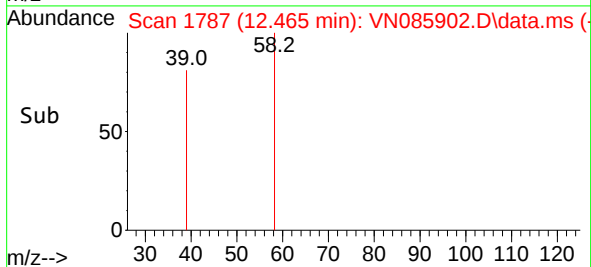
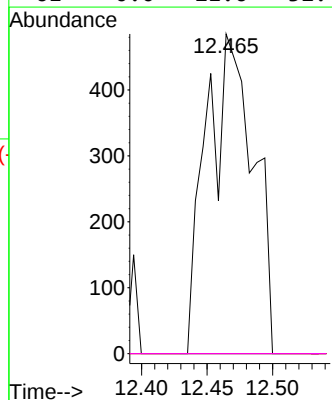
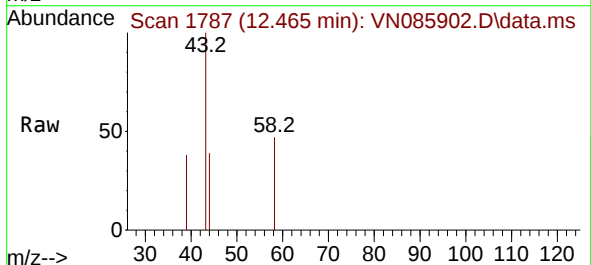
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#04

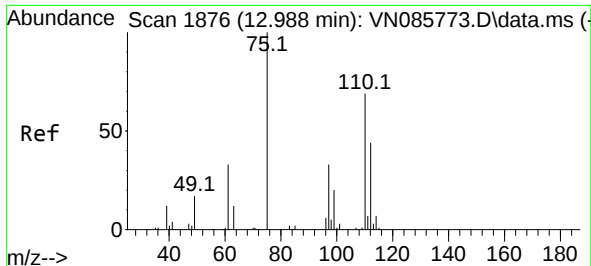
Tgt Ion:152 Resp: 99829
Ion Ratio Lower Upper
152 100
115 59.6 30.4 91.3
150 155.9 0.0 345.4



#74
N-ethyl acetate
Concen: 0.499 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.024 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Tgt Ion: 43 Resp: 1204
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#

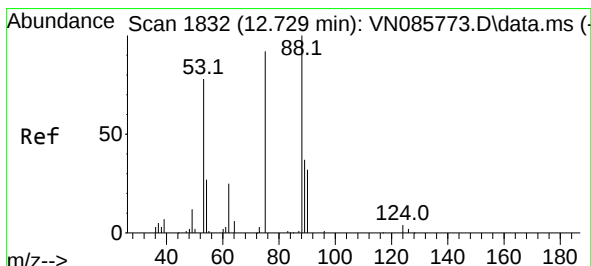
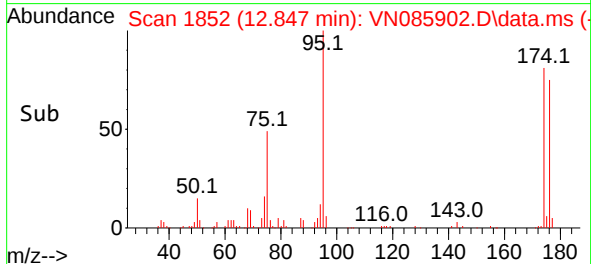
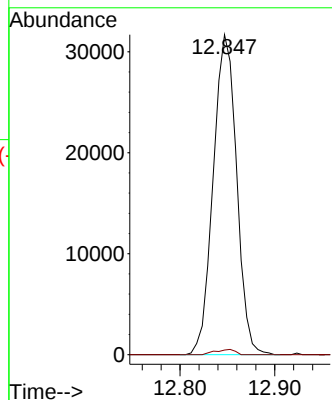
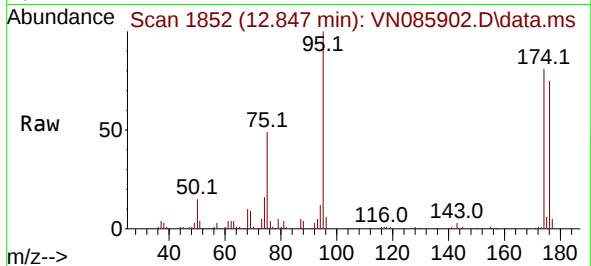




#76
1,2,3-Trichloropropane
Concen: 24.557 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#04

Tgt Ion: 75 Resp: 54457
Ion Ratio Lower Upper
75 100
77 1.4 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.653 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085902.D
Acq: 06 Mar 2025 16:42

Tgt Ion: 75 Resp: 54457
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

