

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085901.D
 Acq On : 06 Mar 2025 16:18
 Operator : JC\MD
 Sample : PB166989ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#03

Quant Time: Mar 07 00:40:31 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

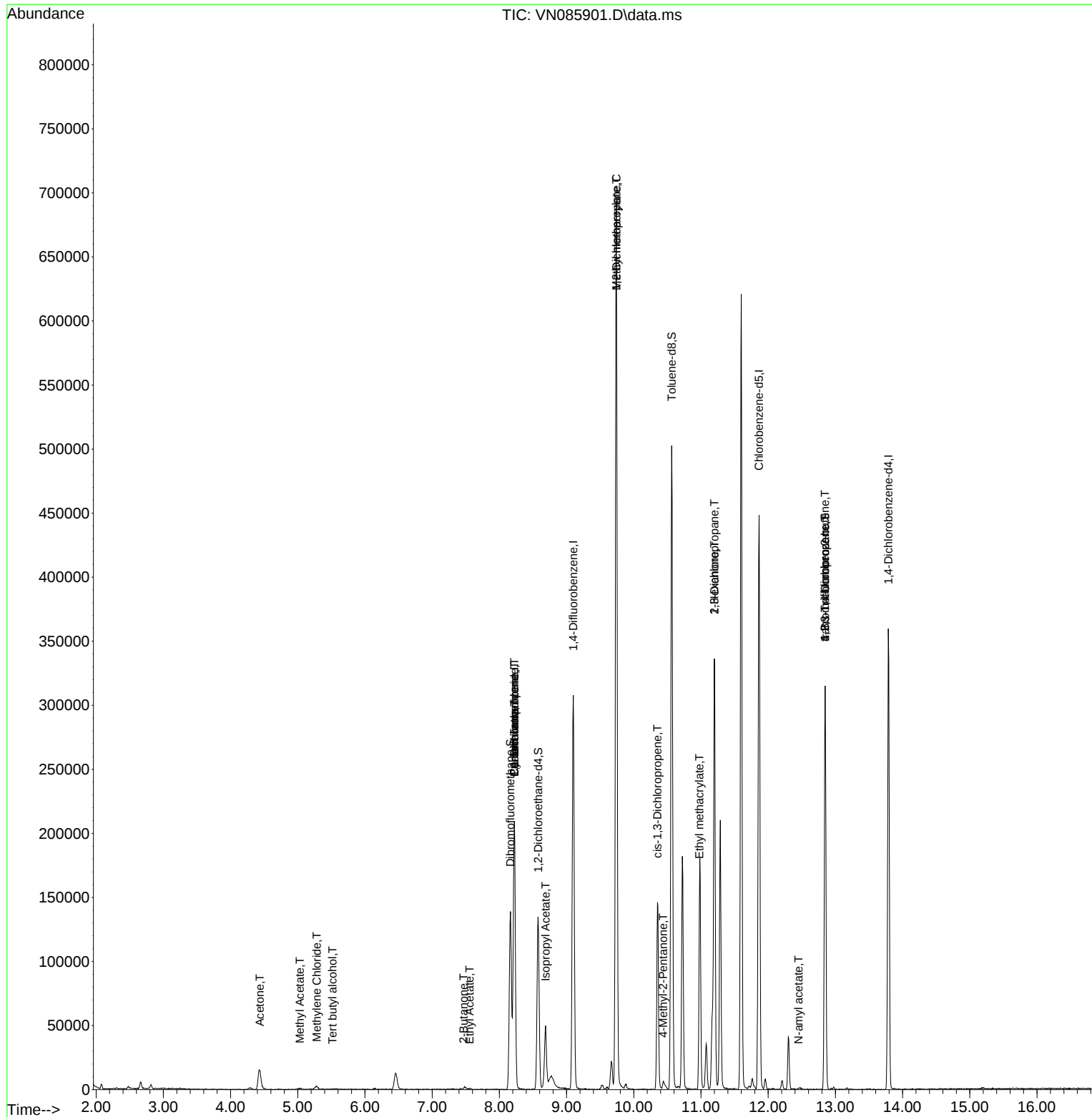
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

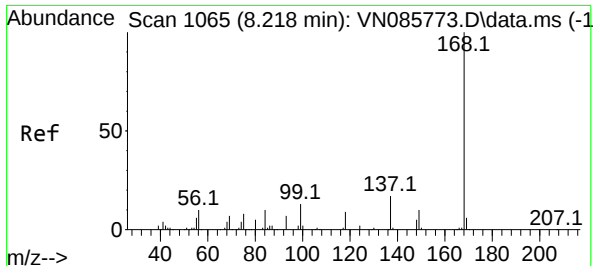
Internal Standards						
1) Pentafluorobenzene	8.224	168	154302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	277002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113364	56.669	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.340%			
35) Dibromofluoromethane	8.165	113	98022	54.079	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.160%			
50) Toluene-d8	10.565	98	363689	55.149	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.300%			
62) 4-Bromofluorobenzene	12.847	95	110591	50.898	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.800%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	87	0.354	ug/l #	72
16) Acetone	4.436	43	29547	46.679	ug/l	100
18) Methyl Acetate	5.030	43	1285	0.590	ug/l #	74
20) Methylene Chloride	5.283	84	2136	1.049	ug/l	93
25) 2-Butanone	7.471	43	1707	1.833	ug/l	92
31) Cyclohexane	8.224	56	2970	1.039	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11960	4.662	ug/l #	50
37) Ethyl Acetate	7.559	43	1130	0.535	ug/l #	66
38) Carbon Tetrachloride	8.224	117	16478	5.406	ug/l #	19
43) Isopropyl Acetate	8.688	43	51940	13.622	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	866	0.436	ug/l #	43
48) Methyl methacrylate	9.741	41	61279	39.086	ug/l #	37
51) 4-Methyl-2-Pentanone	10.435	43	6699	3.291	ug/l #	71
54) cis-1,3-Dichloropropene	10.353	75	28709	9.454	ug/l #	64
56) Ethyl methacrylate	10.976	69	1383	1.020	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3377	1.056	ug/l #	42
59) 2-Hexanone	11.200	43	41557	29.679	ug/l #	51
74) N-amyl acetate	12.453	43	1262	0.496	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	54617	23.330	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54617	68.071	ug/l #	13

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

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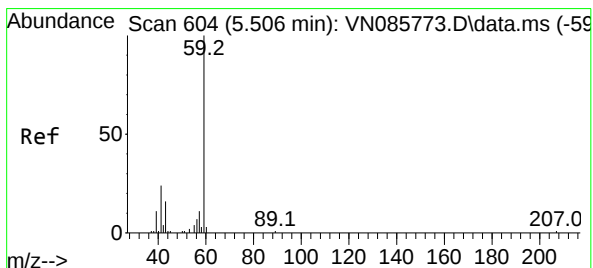
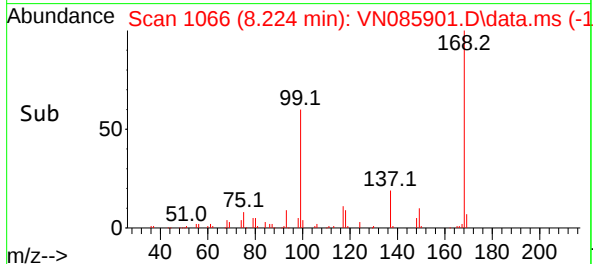
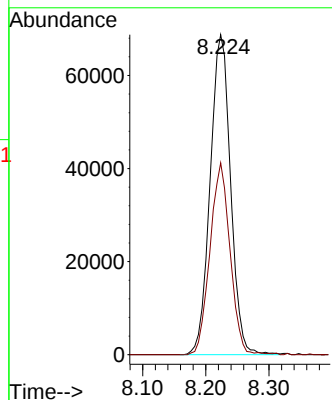
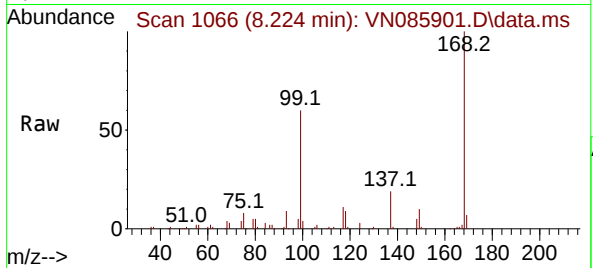




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

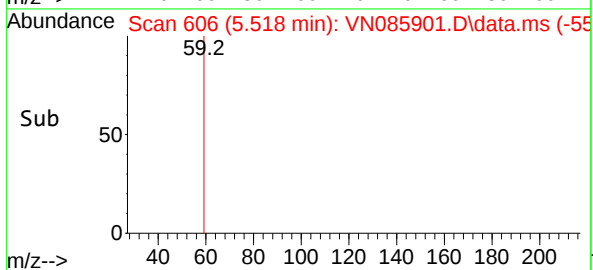
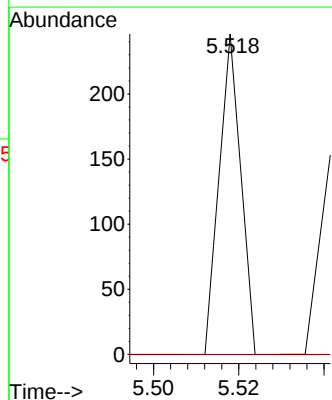
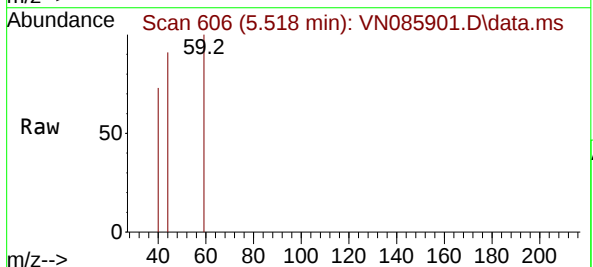
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#03

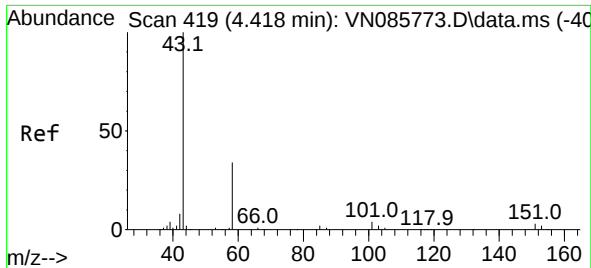
Tgt Ion:168 Resp: 154302
Ion Ratio Lower Upper
168 100
99 60.0 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.354 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

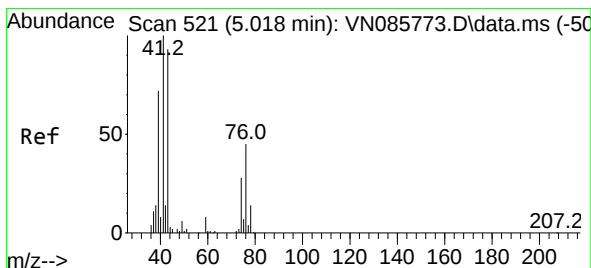
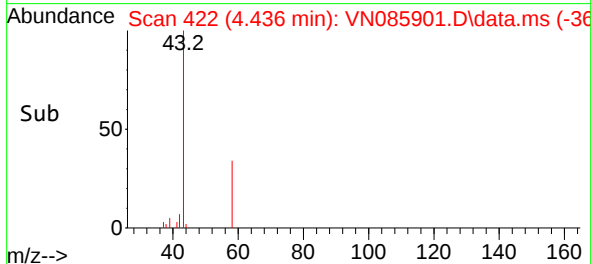
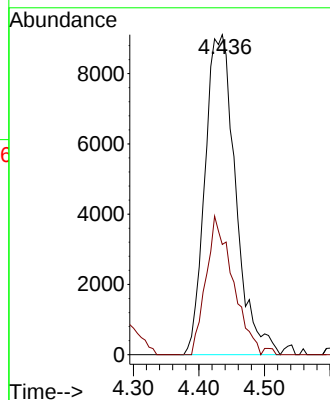
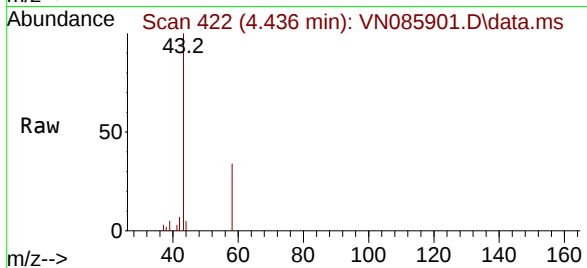




#16
Acetone
Concen: 46.679 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

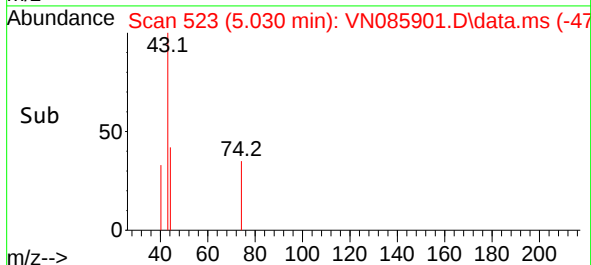
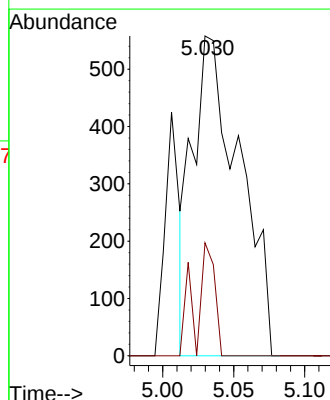
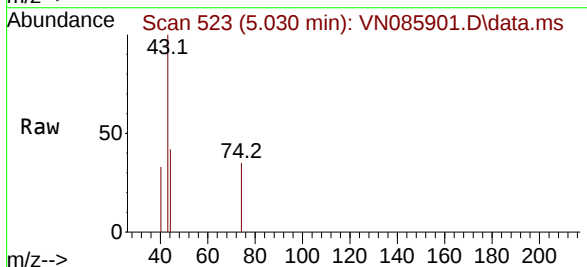
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#03

Tgt Ion: 43 Resp: 29547
Ion Ratio Lower Upper
43 100
58 34.5 27.5 41.3



#18
Methyl Acetate
Concen: 0.590 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

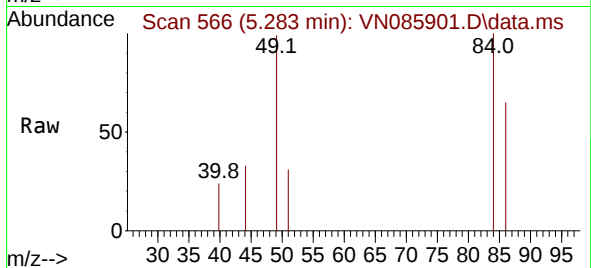
Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
74 14.2 22.2 33.4#



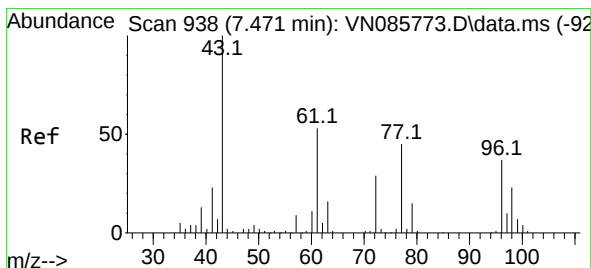
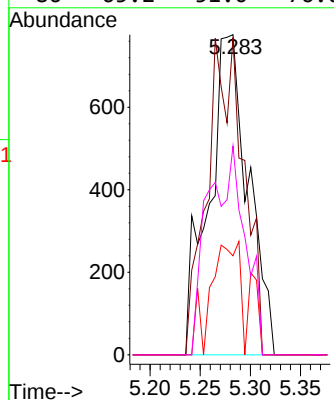


#20
Methylene Chloride
Concen: 1.049 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#03

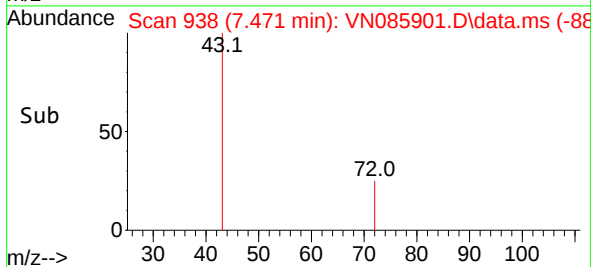
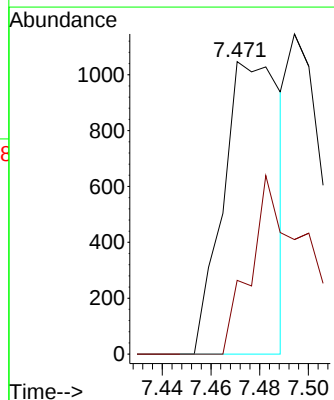
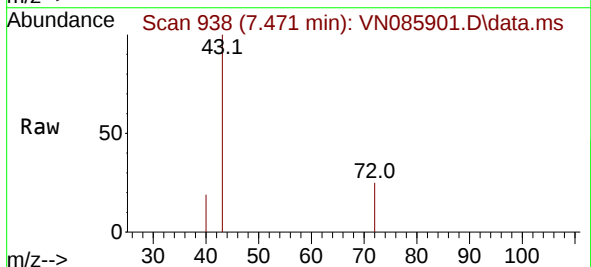


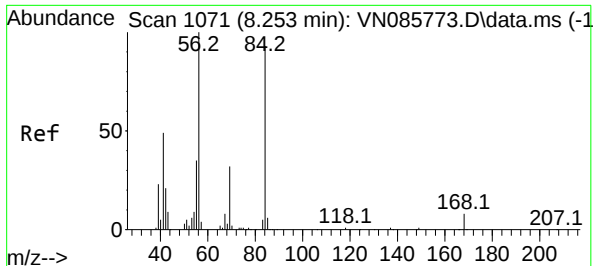
Tgt Ion:	84	Resp:	2136
Ion	Ratio	Lower	Upper
84	100		
49	99.1	88.4	132.6
51	30.9	26.6	40.0
86	65.2	51.0	76.6



#25
2-Butanone
Concen: 1.833 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

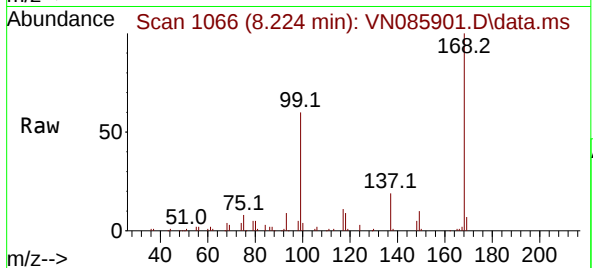
Tgt Ion:	43	Resp:	1707
Ion	Ratio	Lower	Upper
43	100		
72	25.2	23.6	35.4



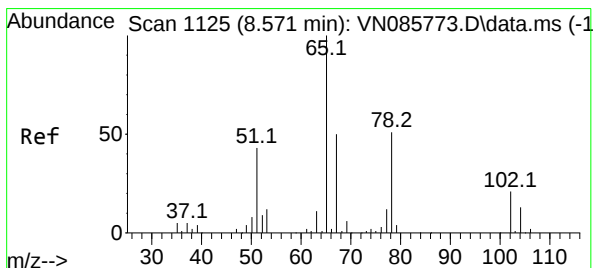
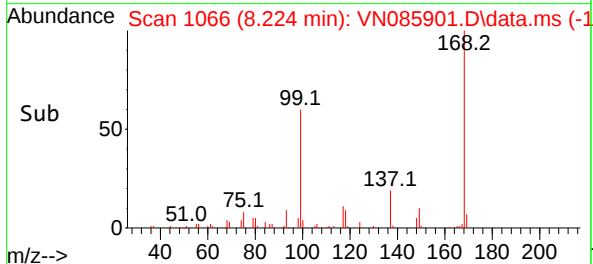
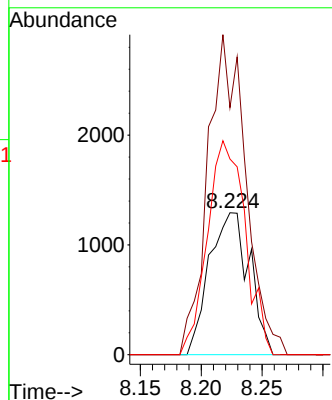


#31
Cyclohexane
Concen: 1.039 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Instrument :
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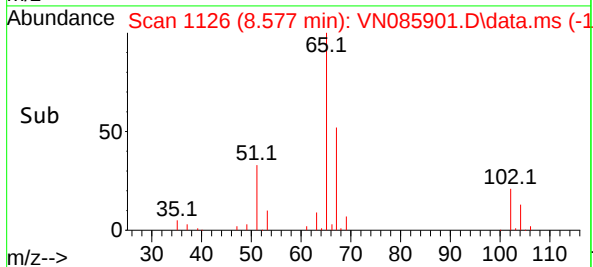
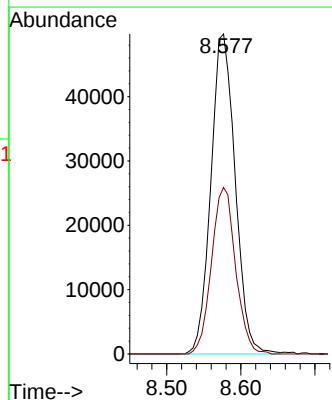
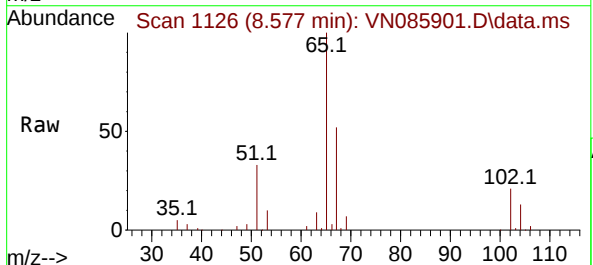


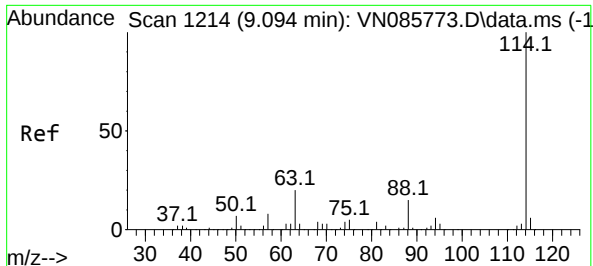
Tgt Ion: 56 Resp: 2970
Ion Ratio Lower Upper
56 100
69 174.0 25.8 38.6#
84 137.9 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 56.669 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Tgt Ion: 65 Resp: 113364
Ion Ratio Lower Upper
65 100
67 51.5 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: VN085901.D

Acq: 06 Mar 2025 16:18

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#03

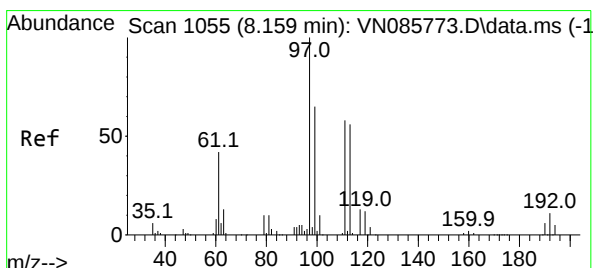
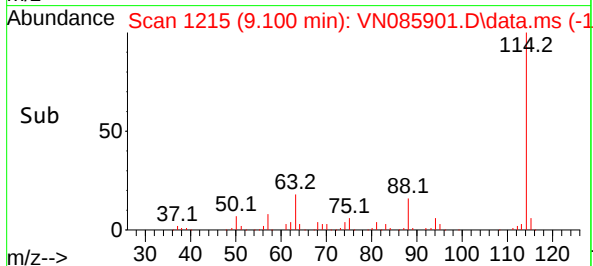
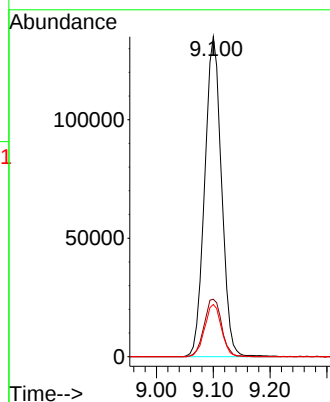
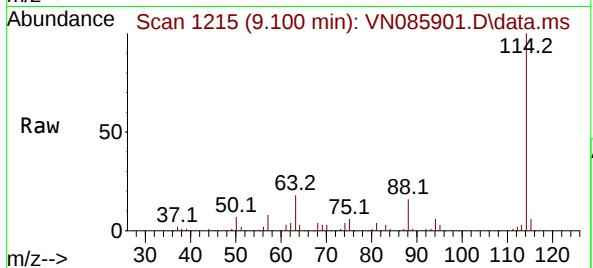
Tgt Ion:114 Resp: 277002

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.2

88 16.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.079 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085901.D

Acq: 06 Mar 2025 16:18

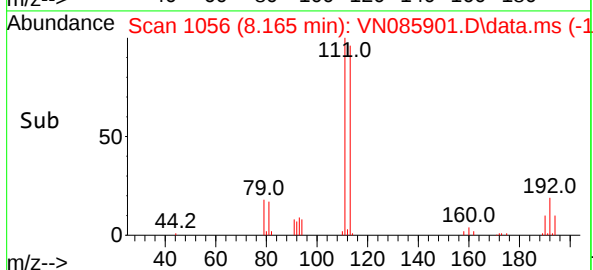
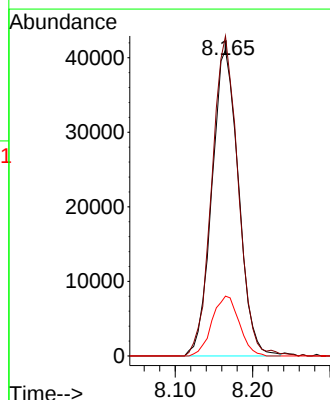
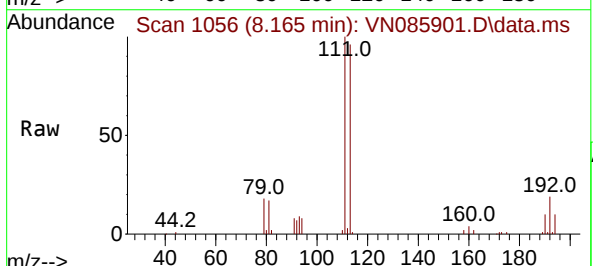
Tgt Ion:113 Resp: 98022

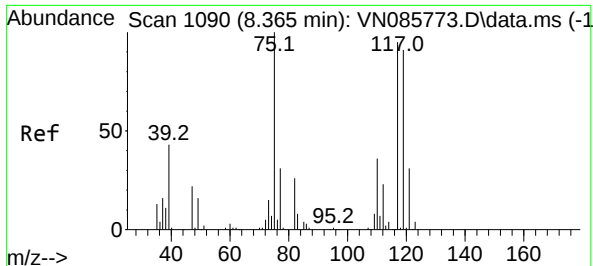
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

192 19.9 14.7 22.1

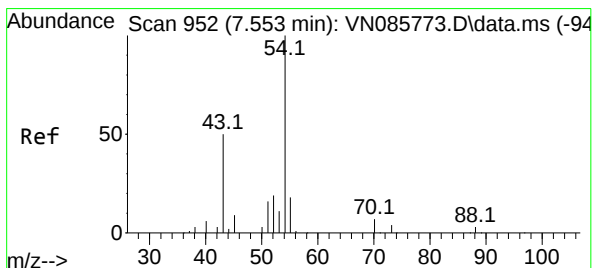
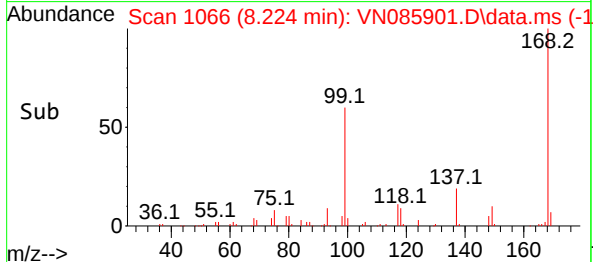
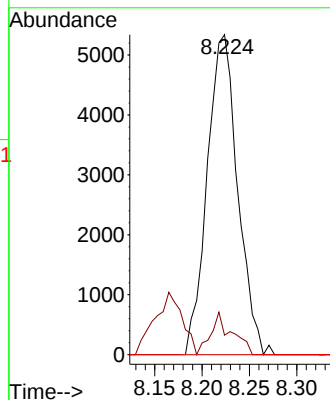
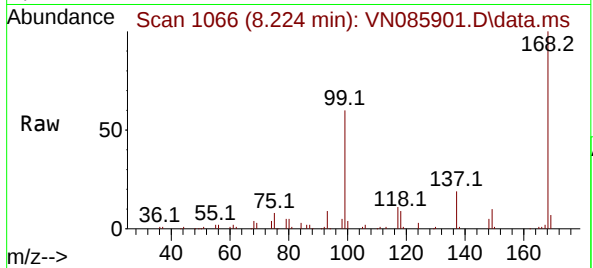




#36
1,1-Dichloropropene
Concen: 4.662 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

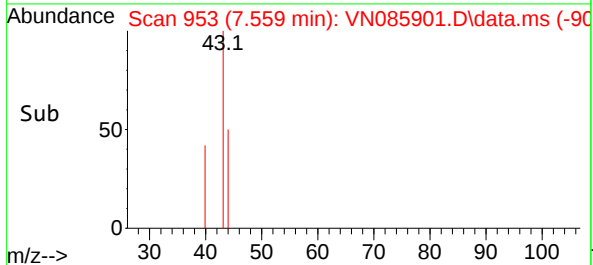
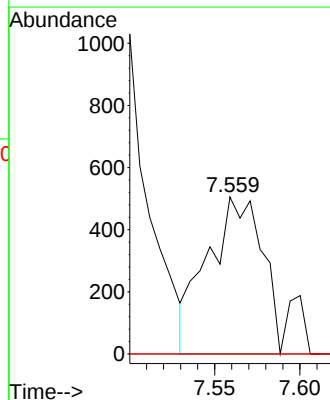
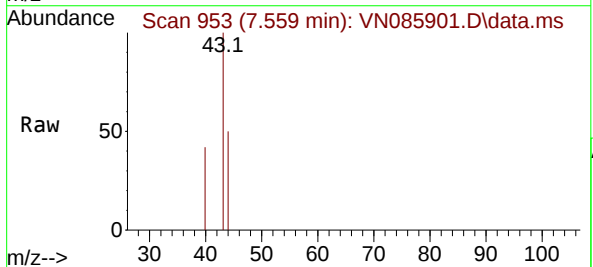
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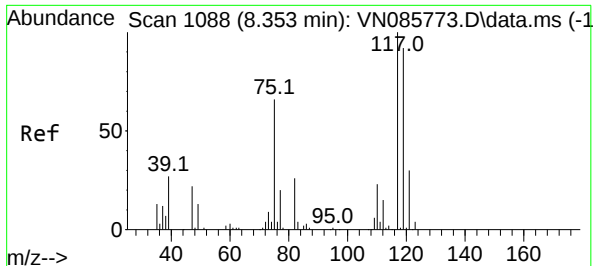
Tgt Ion: 75 Resp: 11960
Ion Ratio Lower Upper
75 100
110 9.1 17.3 52.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.535 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.006 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

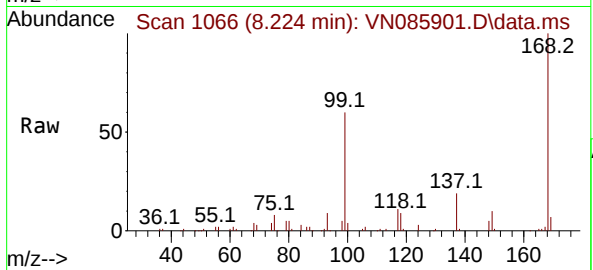
Tgt Ion: 43 Resp: 1130
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 0.0 9.5 14.3#



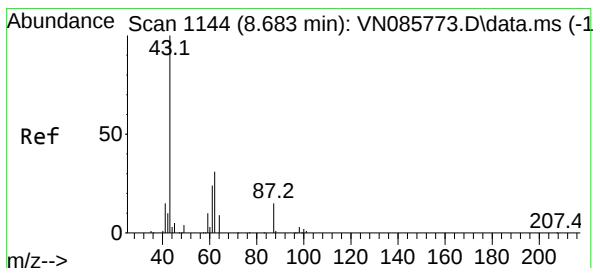
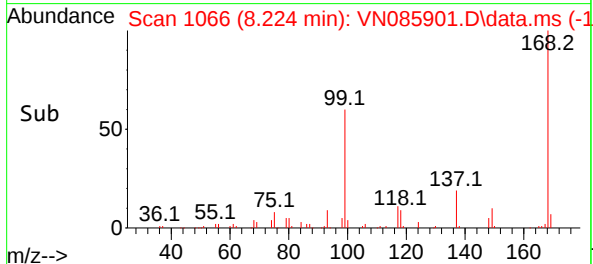
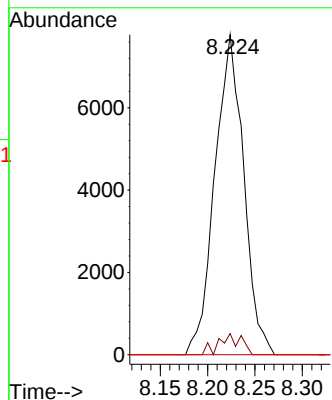


#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.129 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#03

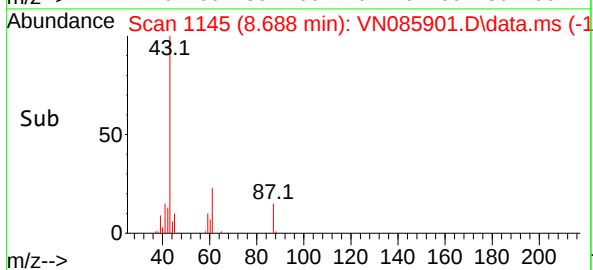
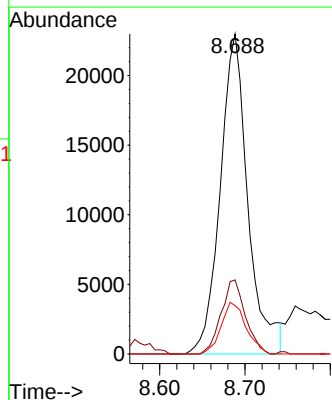
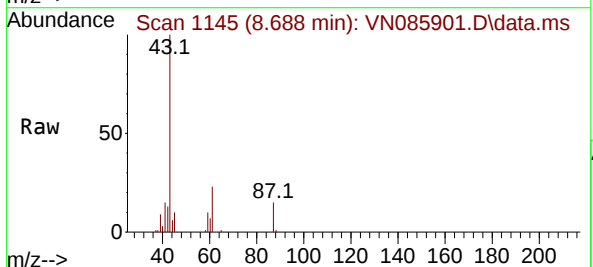


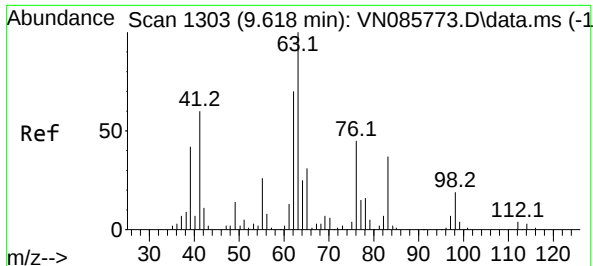
Tgt Ion:117 Resp: 16478
Ion Ratio Lower Upper
117 100
119 6.6 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 13.622 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Tgt Ion: 43 Resp: 51940
Ion Ratio Lower Upper
43 100
61 20.2 22.6 34.0#
87 14.5 11.8 17.8





#45

1,2-Dichloropropane

Concen: 0.436 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN085901.D

Acq: 06 Mar 2025 16:18

Instrument :

MSVOA_N

ClientSampleId :

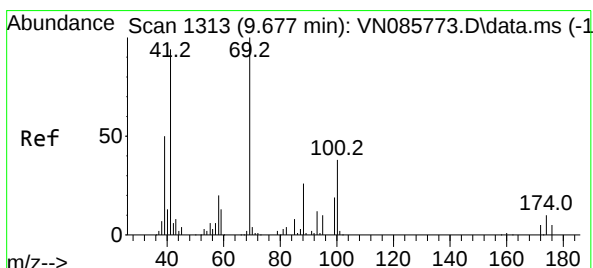
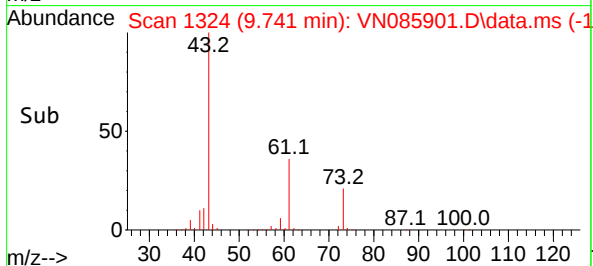
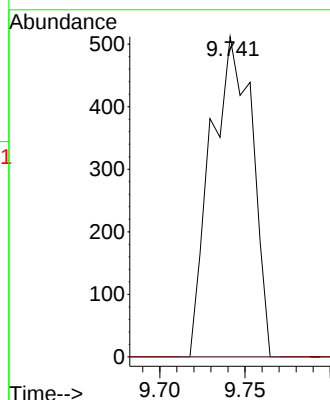
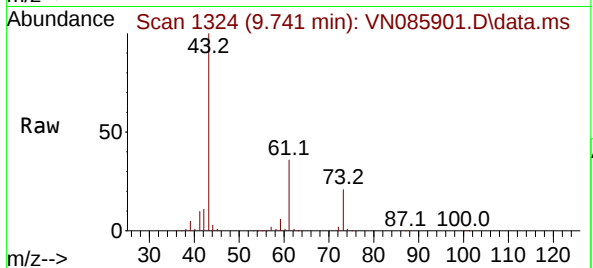
PB166989ZHE#03

Tgt Ion: 63 Resp: 866

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 39.086 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085901.D

Acq: 06 Mar 2025 16:18

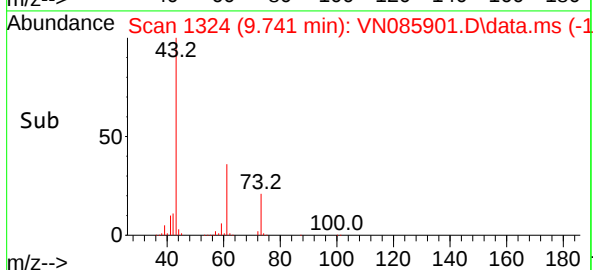
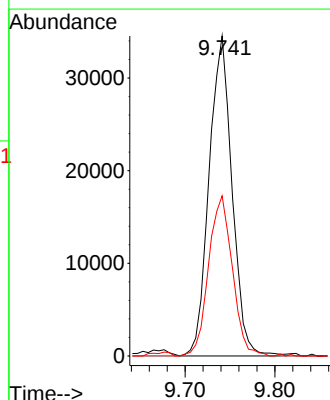
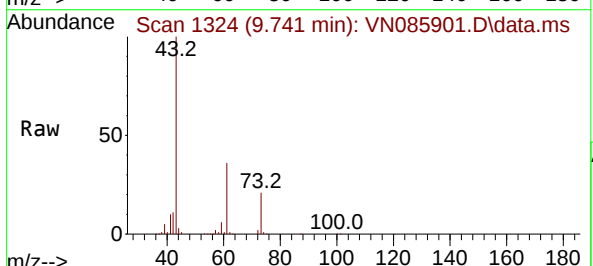
Tgt Ion: 41 Resp: 61279

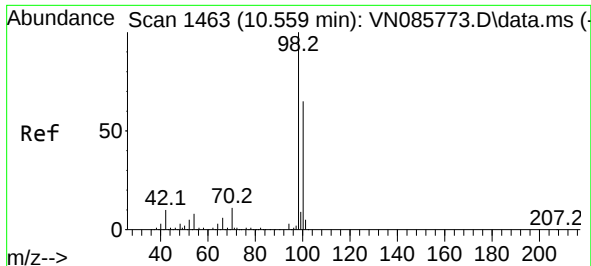
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 51.8 42.3 63.5

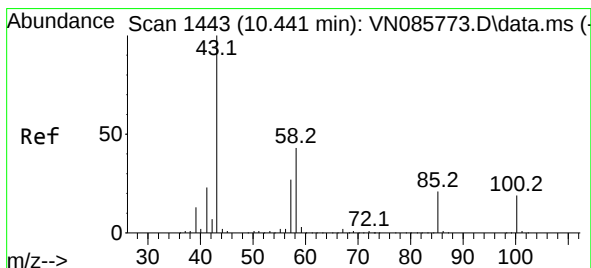
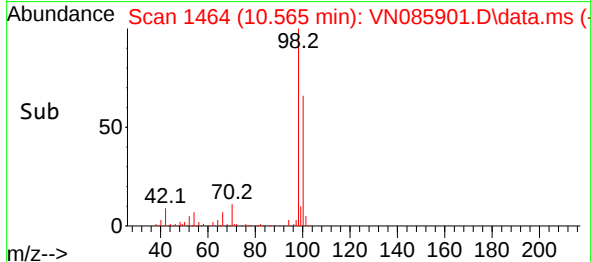
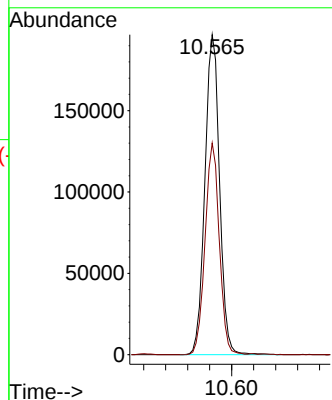
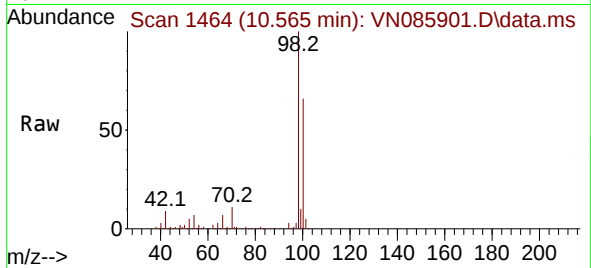




#50
Toluene-d8
Concen: 55.149 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

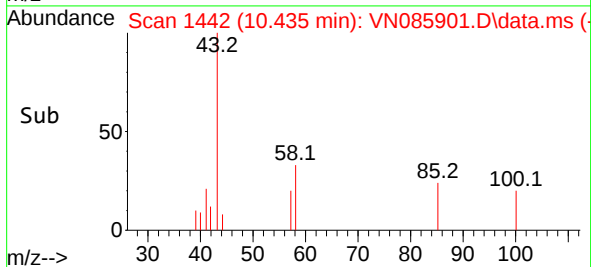
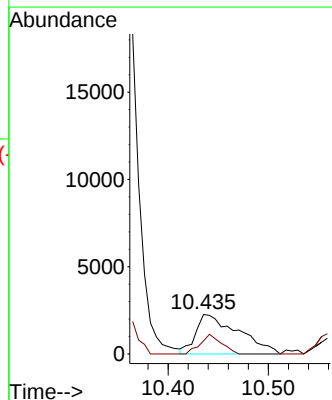
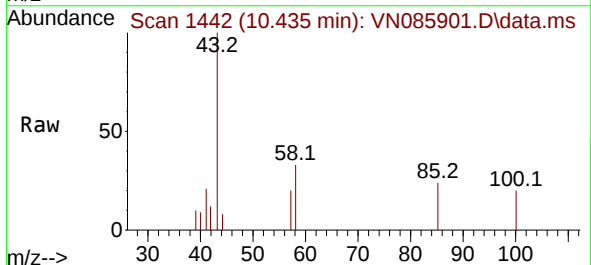
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#03

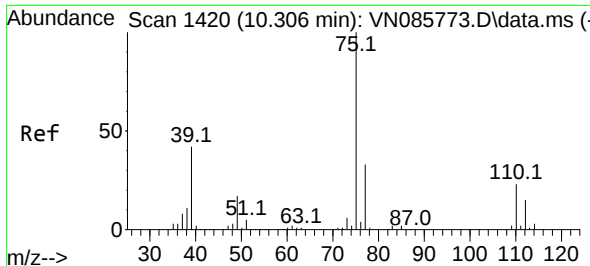
Tgt Ion: 98 Resp: 363689
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.291 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Tgt Ion: 43 Resp: 6699
Ion Ratio Lower Upper
43 100
58 24.5 34.6 52.0#

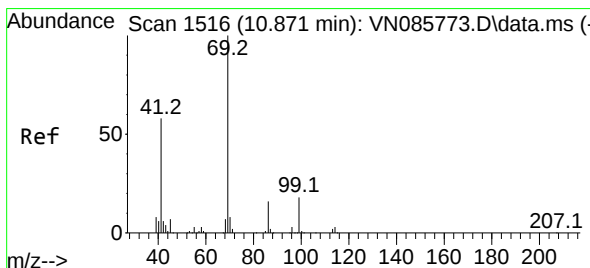
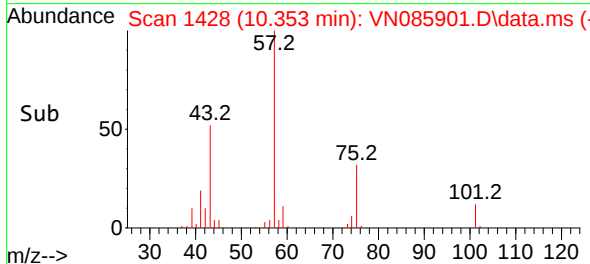
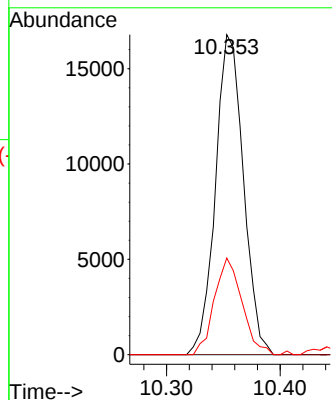
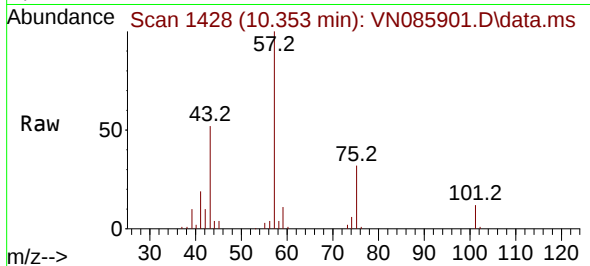




#54
 cis-1,3-Dichloropropene
 Concen: 9.454 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085901.D
 Acq: 06 Mar 2025 16:18

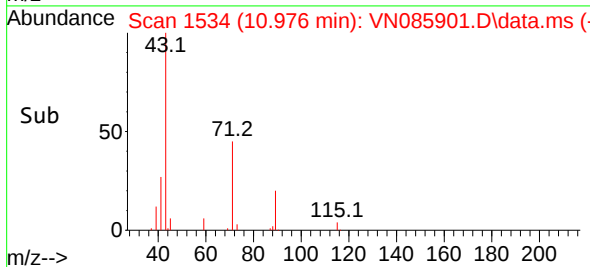
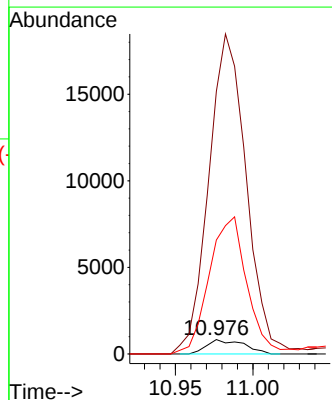
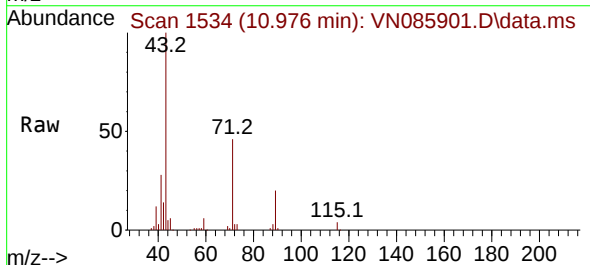
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#03

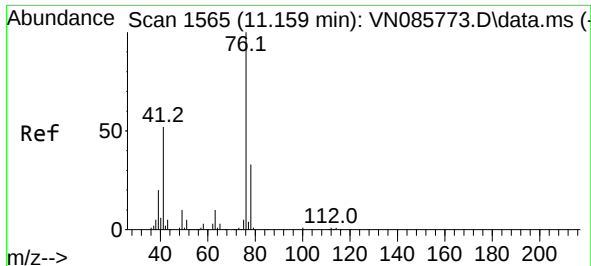
Tgt Ion: 75 Resp: 28709
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 30.2 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.020 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.105 min
 Lab File: VN085901.D
 Acq: 06 Mar 2025 16:18

Tgt Ion: 69 Resp: 1383
 Ion Ratio Lower Upper
 69 100
 41 2255.3 46.0 69.0#
 39 975.6 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.056 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085901.D

Acq: 06 Mar 2025 16:18

Instrument :

MSVOA_N

ClientSampleId :

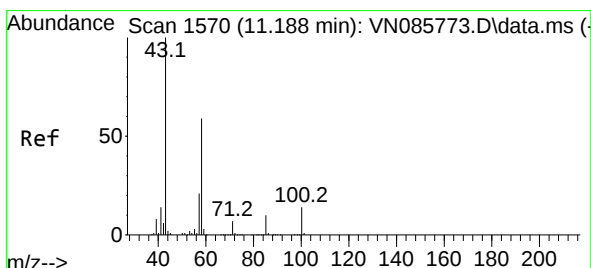
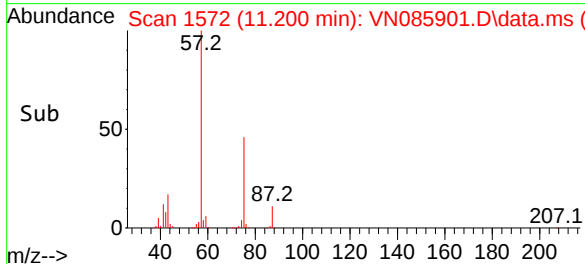
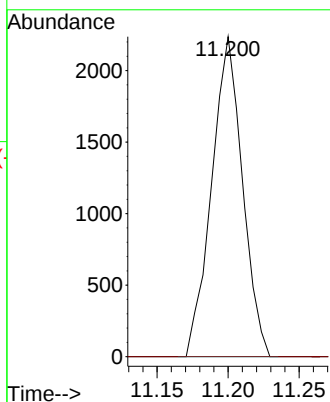
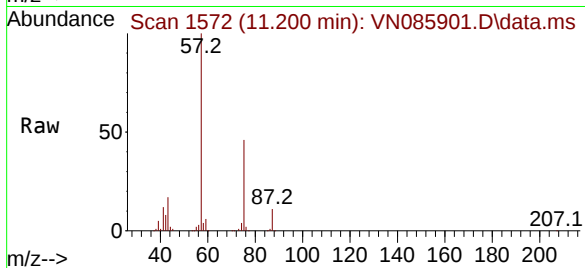
PB166989ZHE#03

Tgt Ion: 76 Resp: 3377

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 29.679 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085901.D

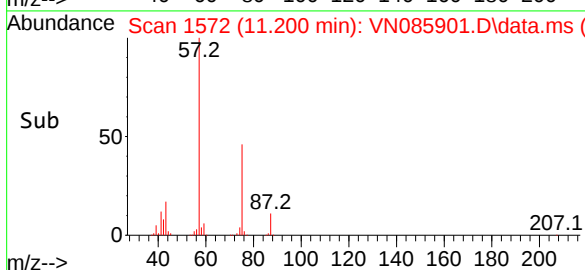
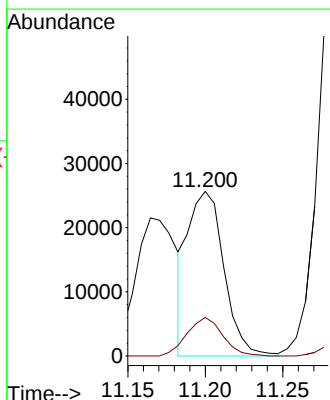
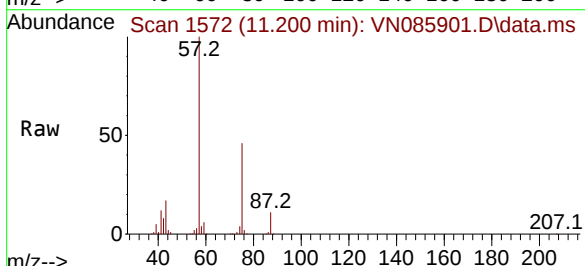
Acq: 06 Mar 2025 16:18

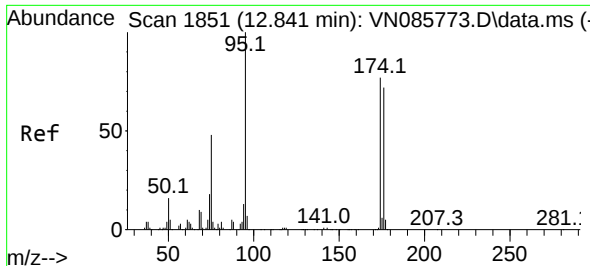
Tgt Ion: 43 Resp: 41557

Ion Ratio Lower Upper

43 100

58 23.1 29.8 89.5#

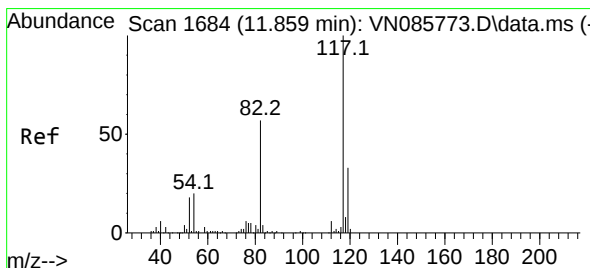
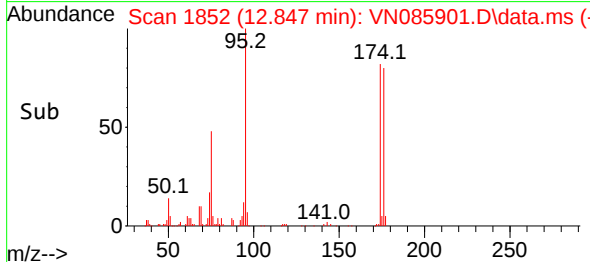
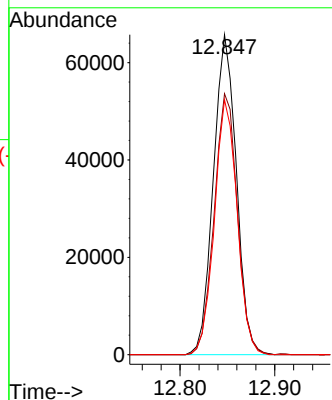
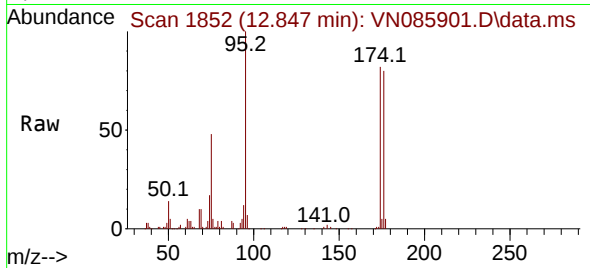




#62
4-Bromofluorobenzene
Concen: 50.898 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

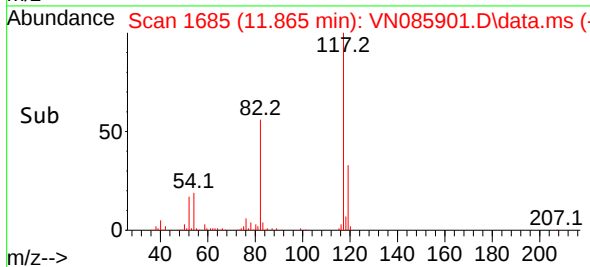
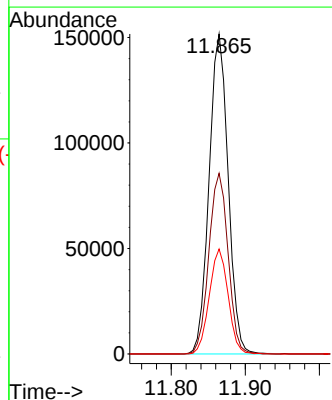
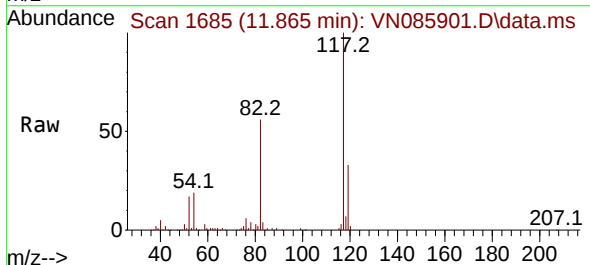
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#03

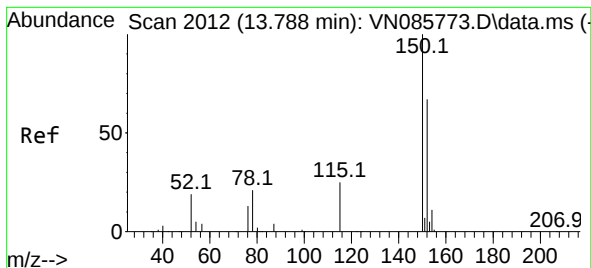
Tgt Ion: 95 Resp: 110591
Ion Ratio Lower Upper
95 100
174 82.6 0.0 152.4
176 78.9 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Tgt Ion: 117 Resp: 270891
Ion Ratio Lower Upper
117 100
82 56.5 45.7 68.5
119 32.8 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: VN085901.D

Acq: 06 Mar 2025 16:18

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#03

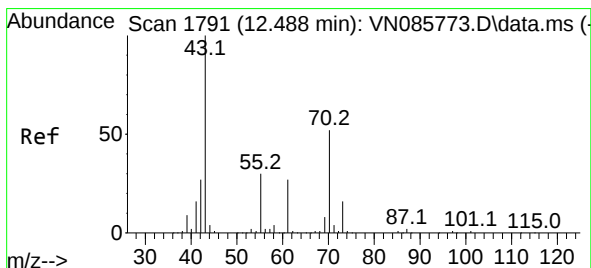
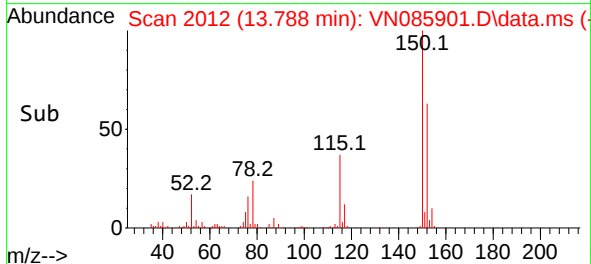
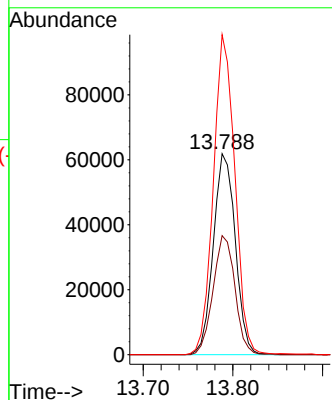
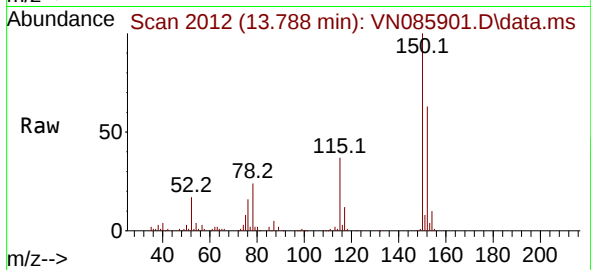
Tgt Ion:152 Resp: 105390

Ion Ratio Lower Upper

152 100

115 59.0 30.4 91.3

150 155.7 0.0 345.4



#74

N-ethyl acetate

Concen: 0.496 ug/l

RT: 12.453 min Scan# 1785

Delta R.T. -0.035 min

Lab File: VN085901.D

Acq: 06 Mar 2025 16:18

Tgt Ion: 43 Resp: 1262

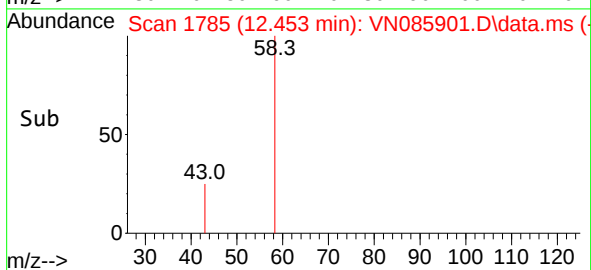
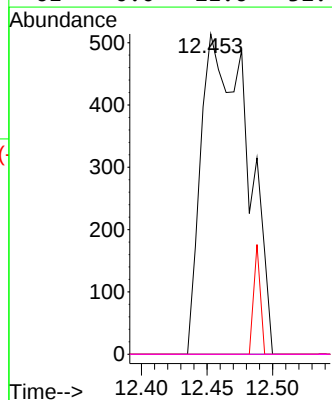
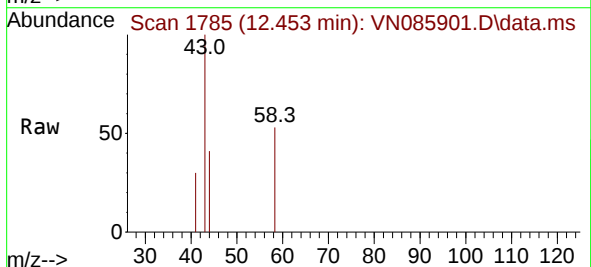
Ion Ratio Lower Upper

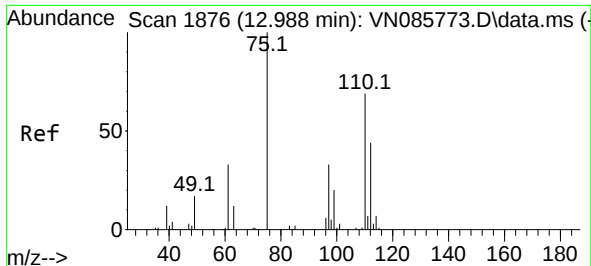
43 100

70 0.0 41.0 61.4#

55 0.0 24.6 36.8#

61 0.0 21.6 32.4#

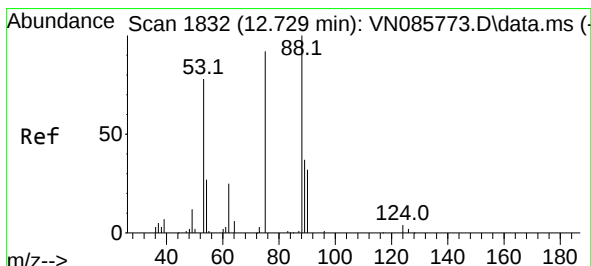
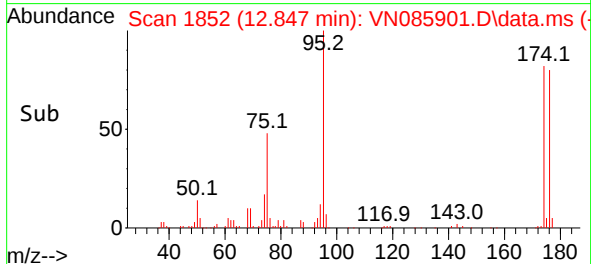
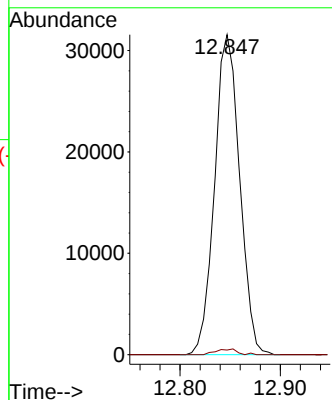
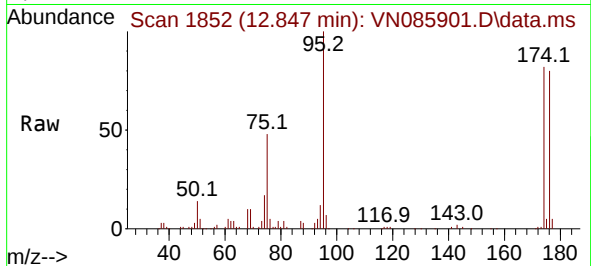




#76
1,2,3-Trichloropropane
Concen: 23.330 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#03

Tgt Ion: 75 Resp: 54617
Ion Ratio Lower Upper
75 100
77 1.5 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.071 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085901.D
Acq: 06 Mar 2025 16:18

Tgt Ion: 75 Resp: 54617
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

