

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085936.D
 Acq On : 11 Mar 2025 17:04
 Operator : JC\MD
 Sample : PB167050ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#03

Quant Time: Mar 12 01:24:44 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)

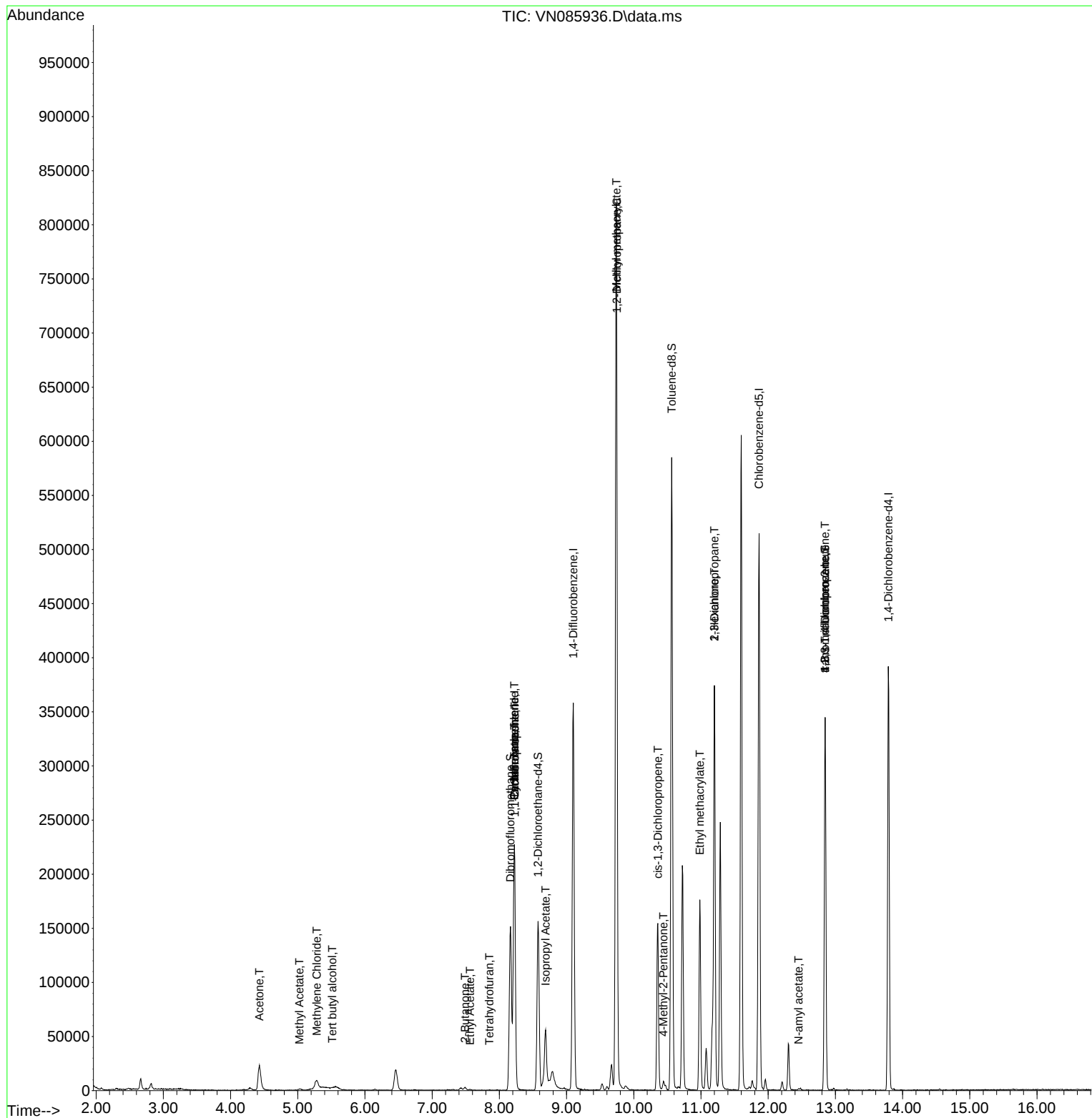
Internal Standards						
1) Pentafluorobenzene	8.224	168	162115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	129103	61.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.860%			
35) Dibromofluoromethane	8.165	113	110596	55.244	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.480%			
50) Toluene-d8	10.565	98	403502	55.398	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.800%			
62) 4-Bromofluorobenzene	12.847	95	122771	51.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.320%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	168	0.650	ug/l #	72
16) Acetone	4.430	43	41082	61.774	ug/l	90
18) Methyl Acetate	5.024	43	2610	1.141	ug/l #	75
20) Methylene Chloride	5.283	84	6426	3.005	ug/l #	93
25) 2-Butanone	7.488	43	4536	4.636	ug/l #	69
29) Tetrahydrofuran	7.853	42	238	0.377	ug/l #	29
31) Cyclohexane	8.224	56	3705	1.234	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	13268	4.683	ug/l #	43
37) Ethyl Acetate	7.565	43	1195	0.513	ug/l #	66
38) Carbon Tetrachloride	8.224	117	17386	5.164	ug/l #	18
43) Isopropyl Acetate	8.688	43	65508	15.633	ug/l #	84
45) 1,2-Dichloropropane	9.747	63	947	0.432	ug/l #	43
48) Methyl methacrylate	9.741	41	73221	42.285	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	8343	3.711	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	28753	8.573	ug/l #	64
56) Ethyl methacrylate	10.982	69	1108	0.866	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4045	1.145	ug/l #	42
59) 2-Hexanone	11.200	43	48686	31.481	ug/l #	51
74) N-amyl acetate	12.453	43	798	0.303	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	62901	25.991	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62901	75.837	ug/l #	12

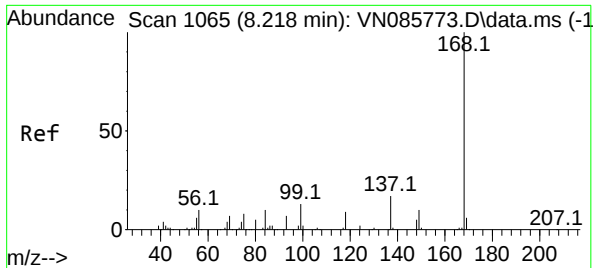
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
PB167050ZHE#03

Quant Time: Mar 12 01:24:44 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

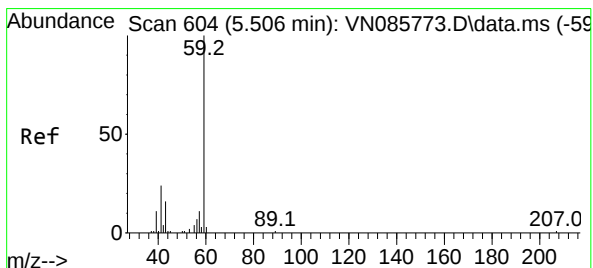
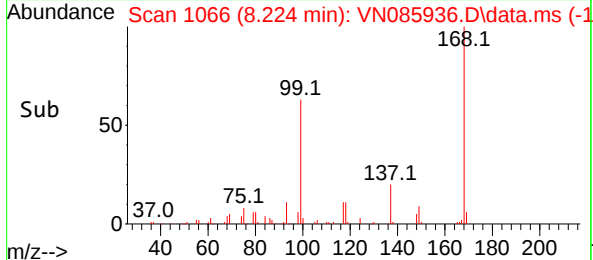
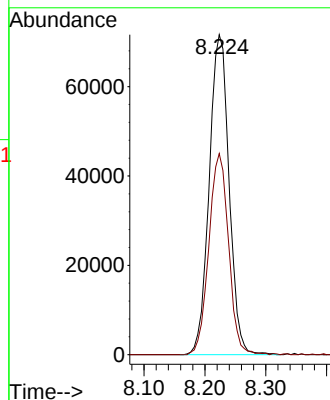
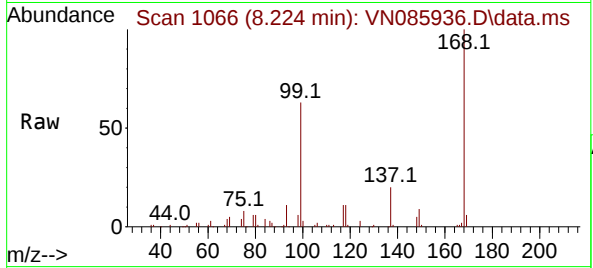




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

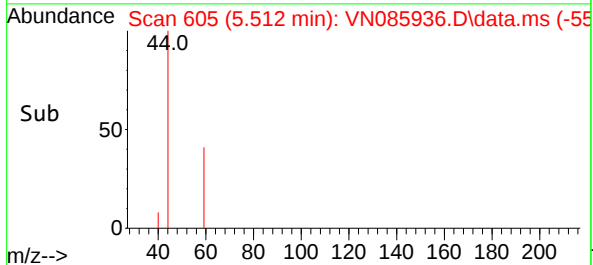
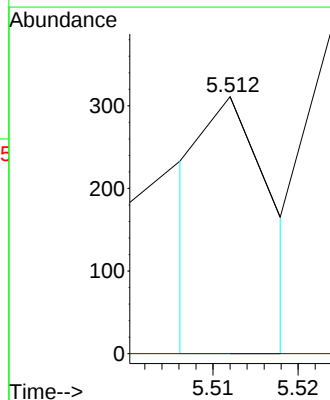
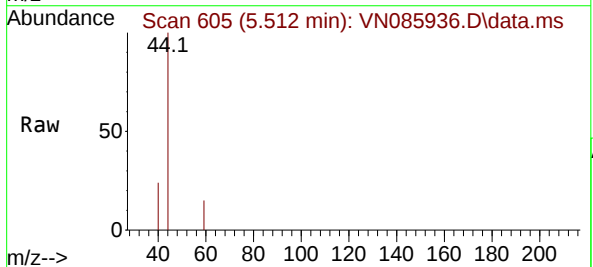
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

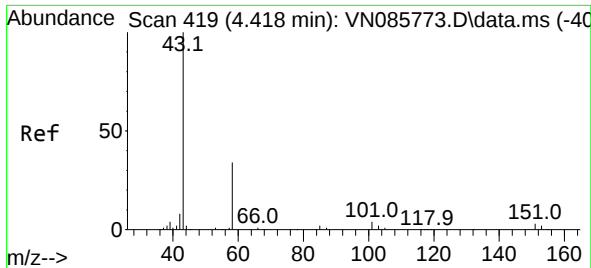
Tgt Ion:168 Resp: 162115
Ion Ratio Lower Upper
168 100
99 62.9 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.650 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

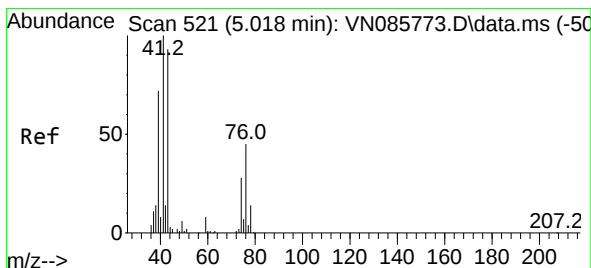
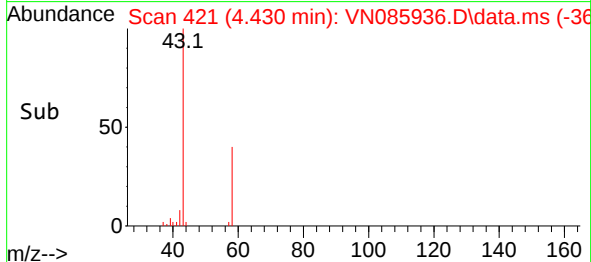
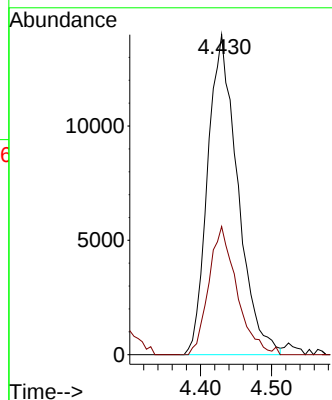
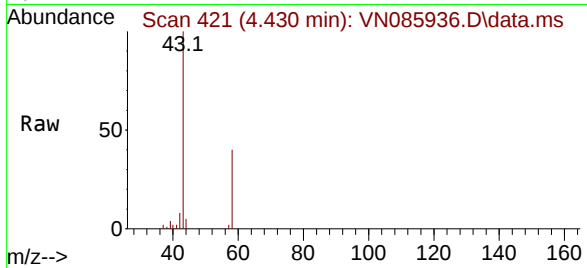




#16
Acetone
Concen: 61.774 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

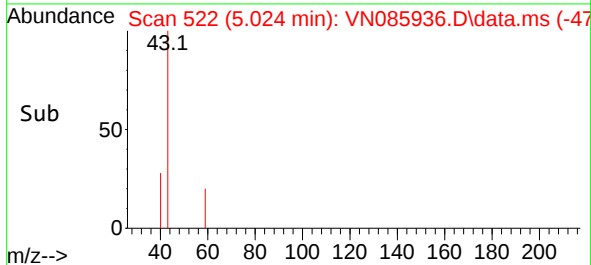
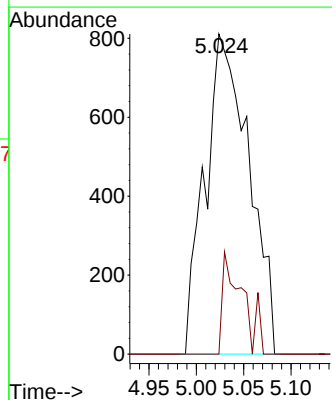
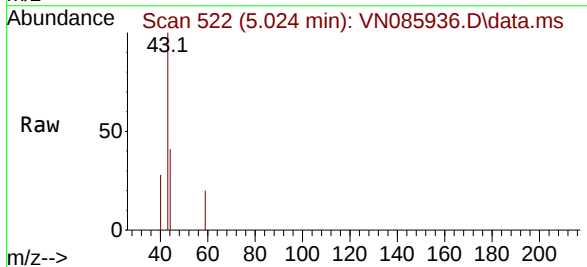
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

Tgt Ion: 43 Resp: 41082
Ion Ratio Lower Upper
43 100
58 40.1 27.5 41.3



#18
Methyl Acetate
Concen: 1.141 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

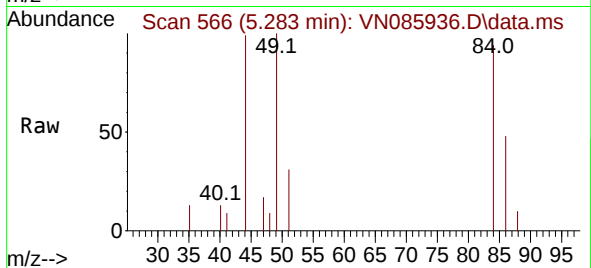
Tgt Ion: 43 Resp: 2610
Ion Ratio Lower Upper
43 100
74 14.6 22.2 33.4#



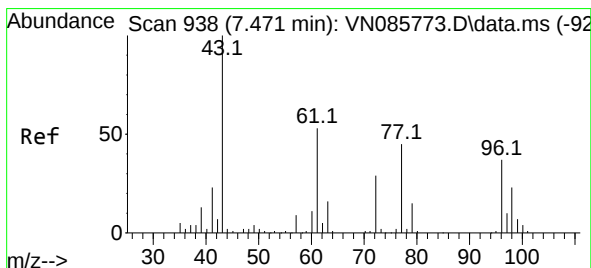
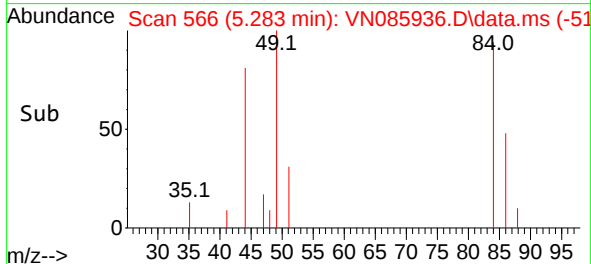
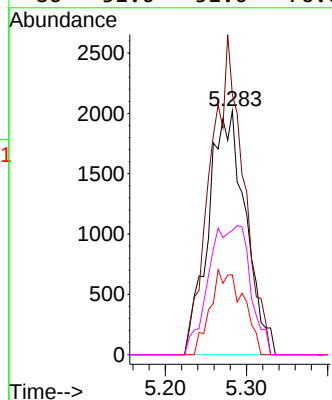


#20
Methylene Chloride
Concen: 3.005 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

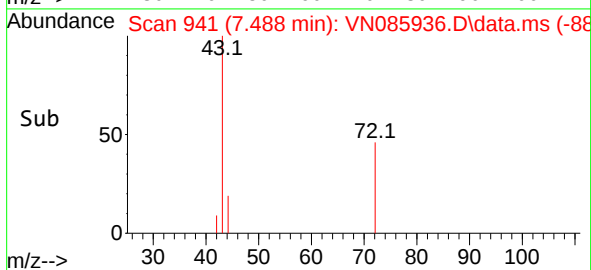
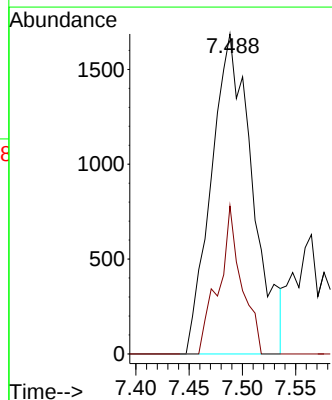
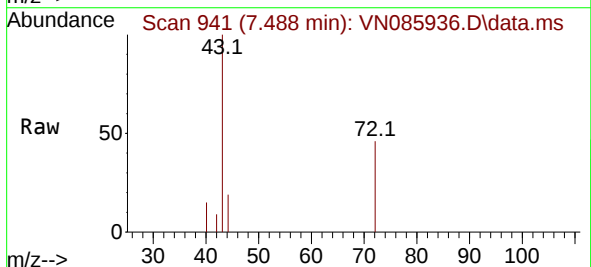


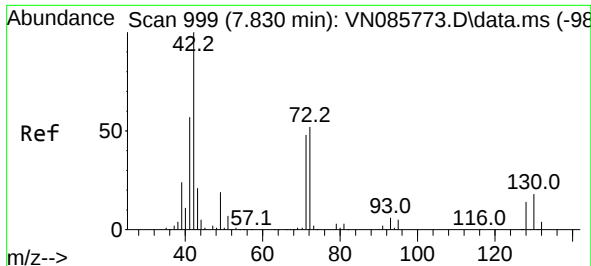
Tgt Ion: 84	Resp: 6426
Ion Ratio	Lower Upper
84 100	
49 106.7	88.4 132.6
51 32.8	26.6 40.0
86 51.0	51.0 76.6#



#25
2-Butanone
Concen: 4.636 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Tgt Ion: 43	Resp: 4536		
Ion Ratio	Lower	Upper	
43 100			
72 46.2	23.6	35.4	#





#29

Tetrahydrofuran

Concen: 0.377 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.023 min

Lab File: VN085936.D

Acq: 11 Mar 2025 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#03

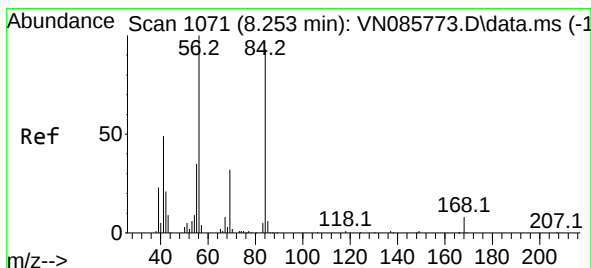
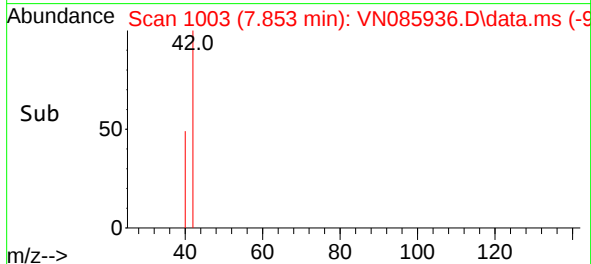
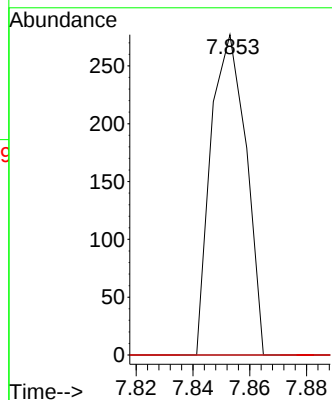
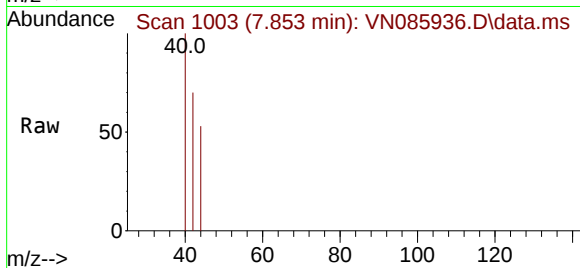
Tgt Ion: 42 Resp: 238

Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

71 0.0 37.0 55.4#



#31

Cyclohexane

Concen: 1.234 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN085936.D

Acq: 11 Mar 2025 17:04

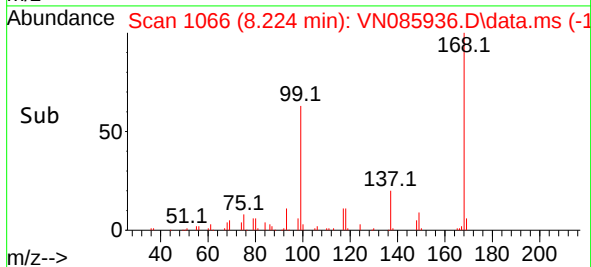
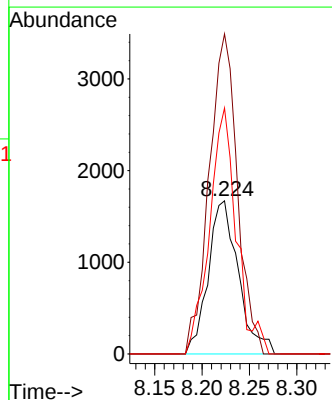
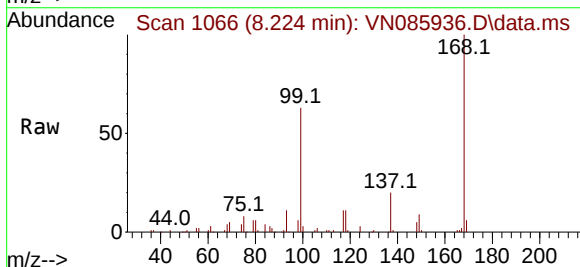
Tgt Ion: 56 Resp: 3705

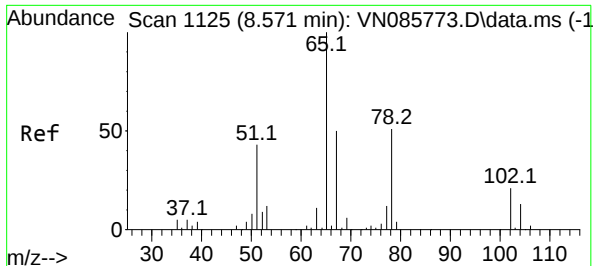
Ion Ratio Lower Upper

56 100

69 209.0 25.8 38.6#

84 160.7 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 61.426 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085936.D

Acq: 11 Mar 2025 17:04

Instrument :

MSVOA_N

ClientSampleId :

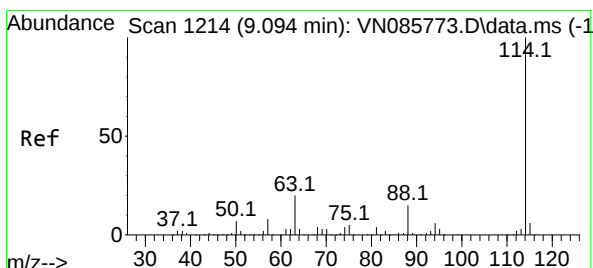
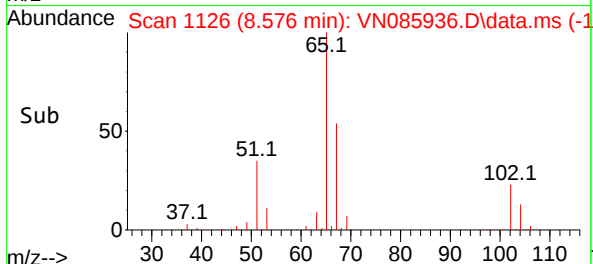
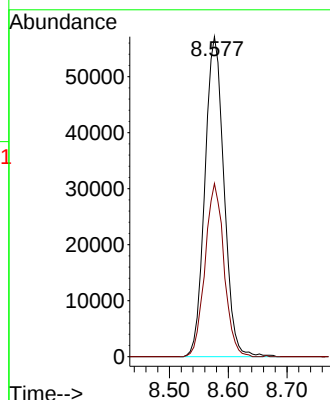
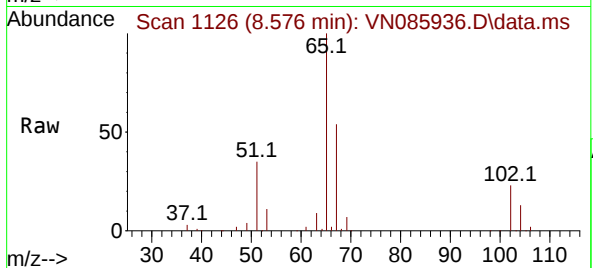
PB167050ZHE#03

Tgt Ion: 65 Resp: 129103

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085936.D

Acq: 11 Mar 2025 17:04

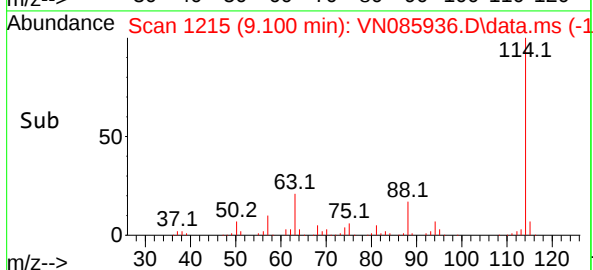
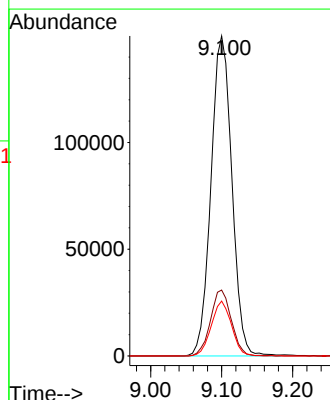
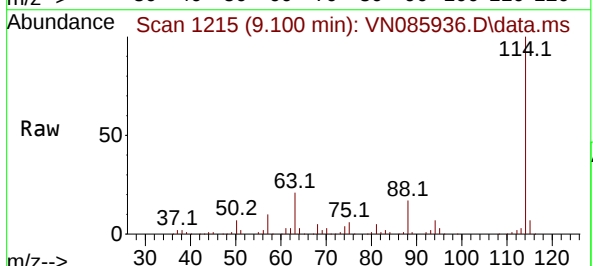
Tgt Ion: 114 Resp: 305942

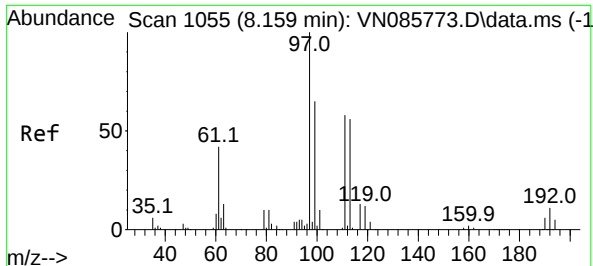
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

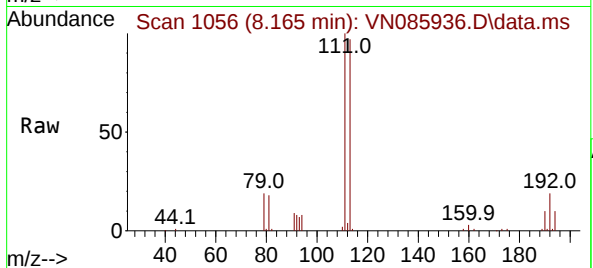
88 17.1 0.0 30.0



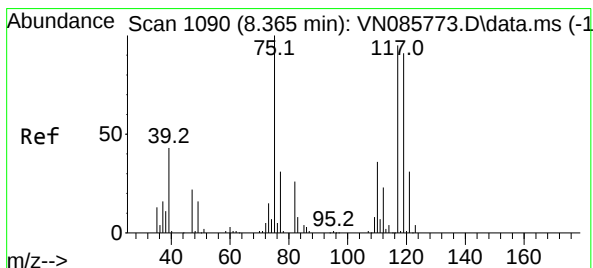
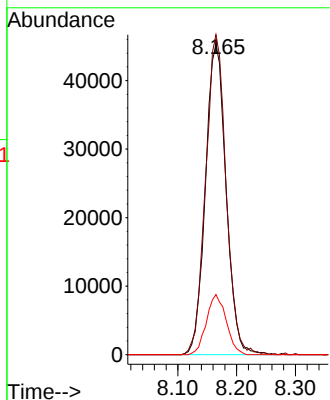
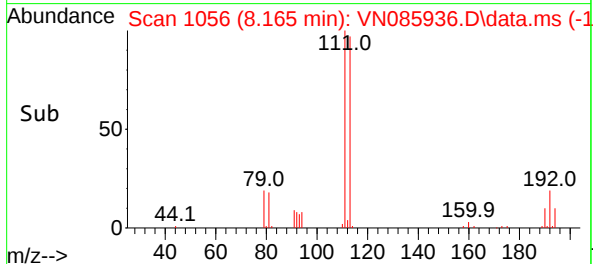


#35
Dibromofluoromethane
Concen: 55.244 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

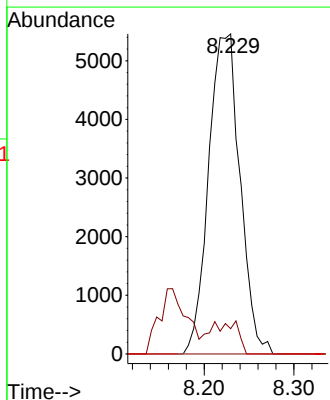
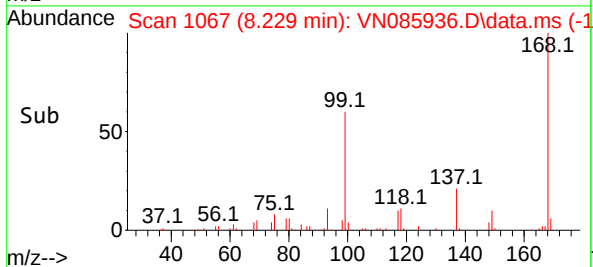
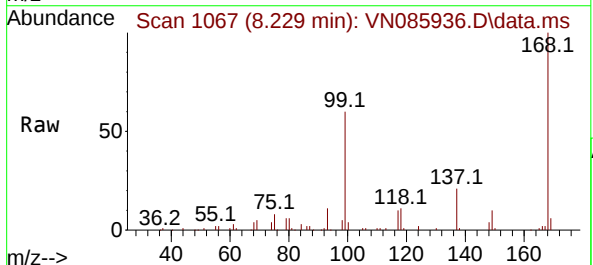


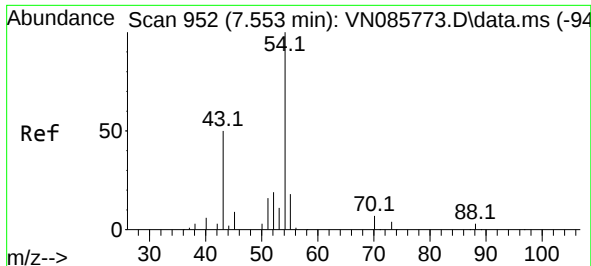
Tgt Ion:113 Resp: 110596
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 18.6 14.7 22.1



#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Tgt Ion: 75 Resp: 13268
Ion Ratio Lower Upper
75 100
110 0.9 17.3 52.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.513 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN085936.D

Acq: 11 Mar 2025 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#03

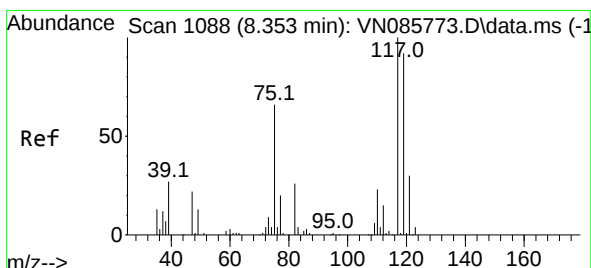
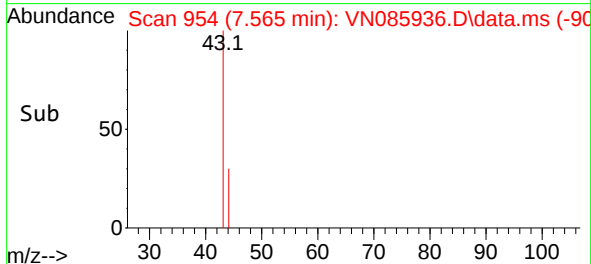
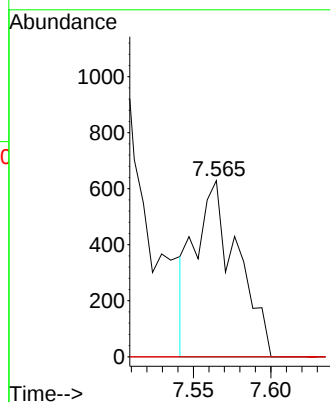
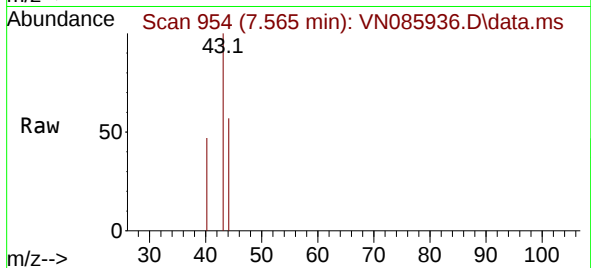
Tgt Ion: 43 Resp: 1195

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

70 0.0 9.5 14.3#



#38

Carbon Tetrachloride

Concen: 5.164 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085936.D

Acq: 11 Mar 2025 17:04

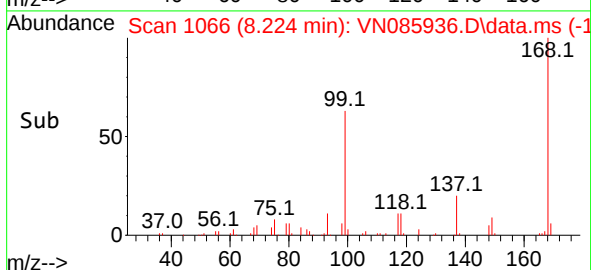
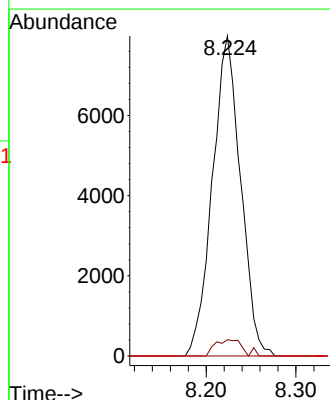
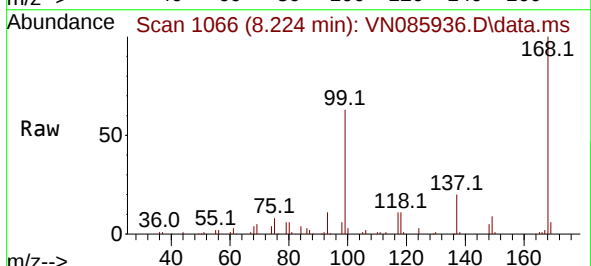
Tgt Ion: 117 Resp: 17386

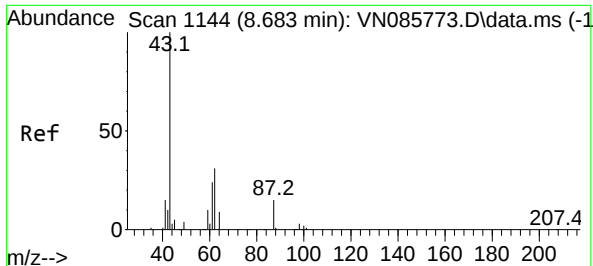
Ion Ratio Lower Upper

117 100

119 5.1 73.8 110.6#

121 0.0 24.3 36.5#

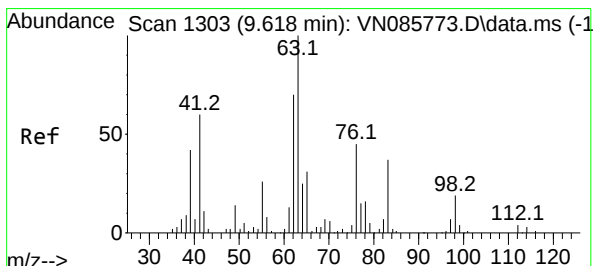
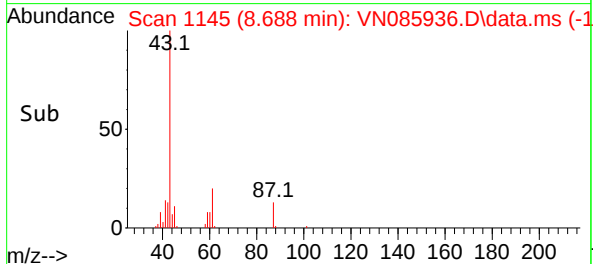
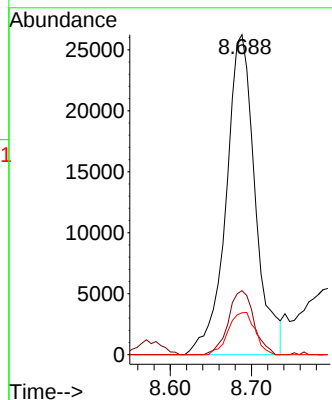
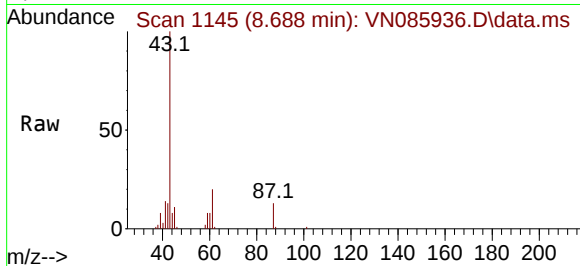




#43
Isopropyl Acetate
Concen: 15.633 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

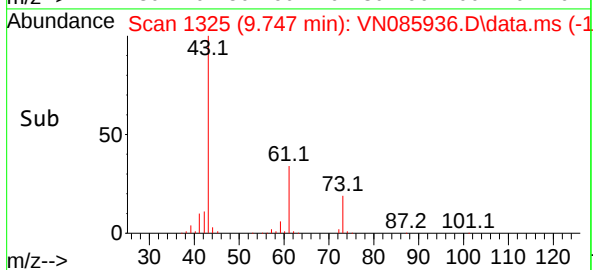
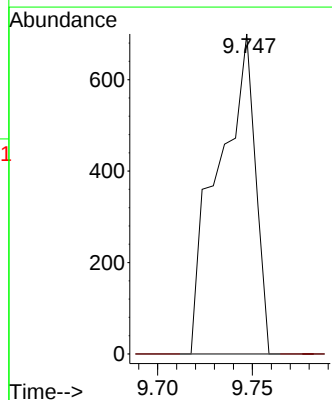
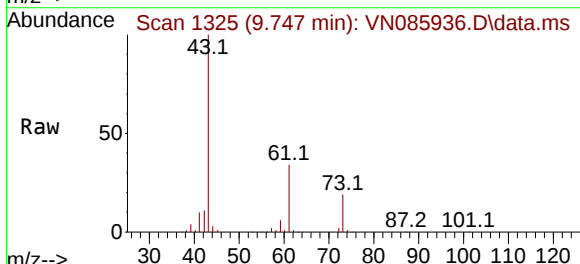
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

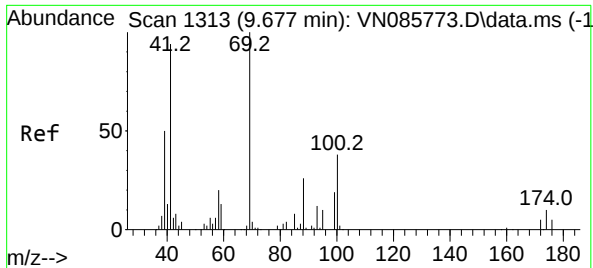
Tgt Ion: 43 Resp: 65508
Ion Ratio Lower Upper
43 100
61 17.5 22.6 34.0#
87 12.1 11.8 17.8



#45
1,2-Dichloropropane
Concen: 0.432 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.129 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Tgt Ion: 63 Resp: 947
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

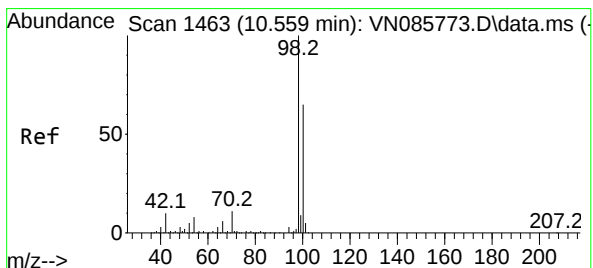
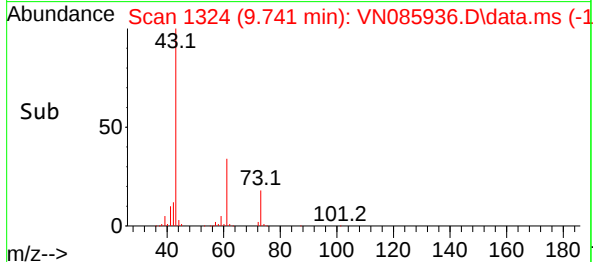
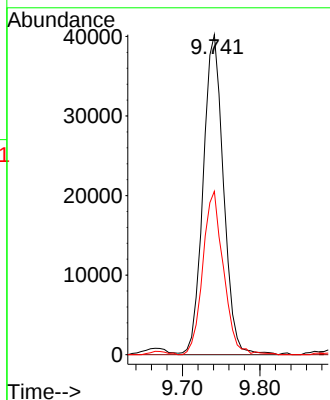
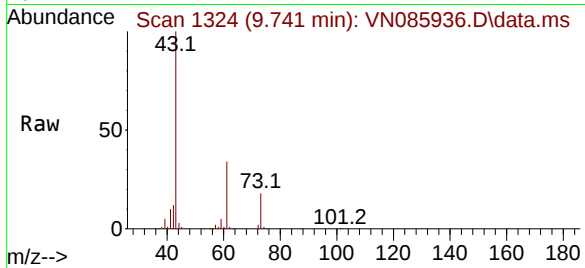




#48
Methyl methacrylate
Concen: 42.285 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

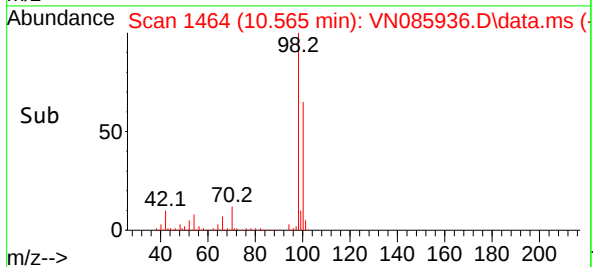
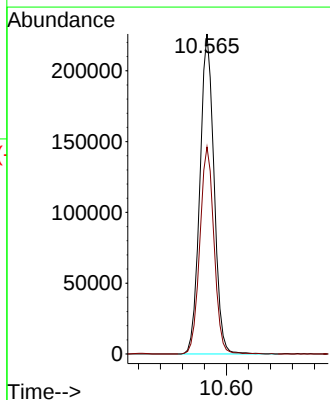
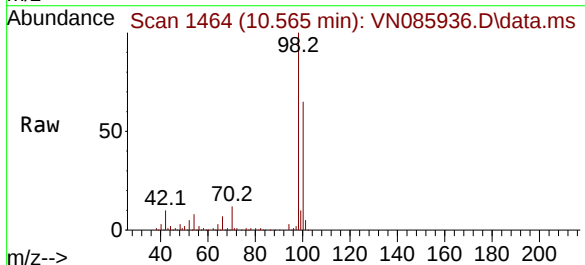
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

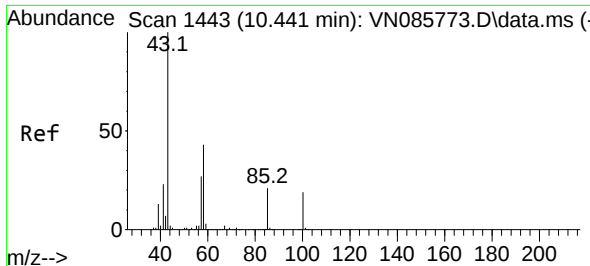
Tgt Ion: 41 Resp: 73221
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 52.0 42.3 63.5



#50
Toluene-d8
Concen: 55.398 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Tgt Ion: 98 Resp: 403502
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

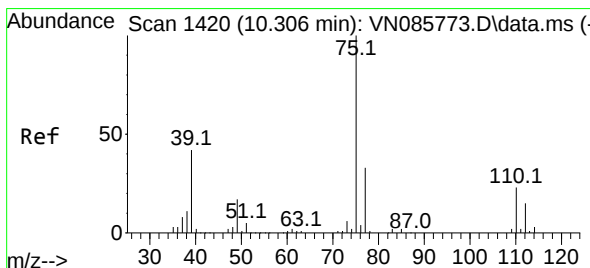
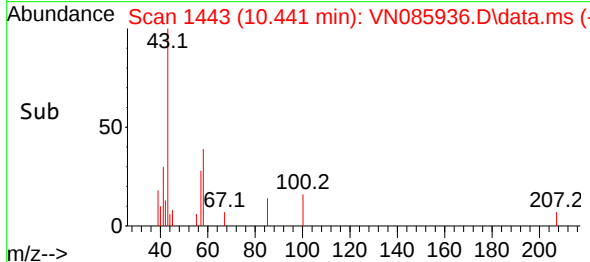
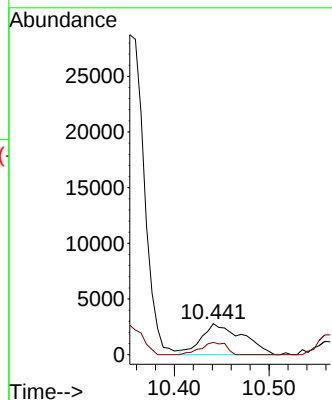
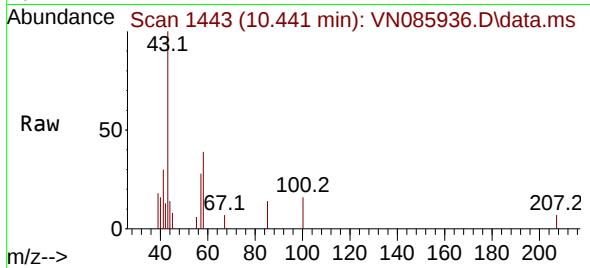




#51
4-Methyl-2-Pentanone
Concen: 3.711 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

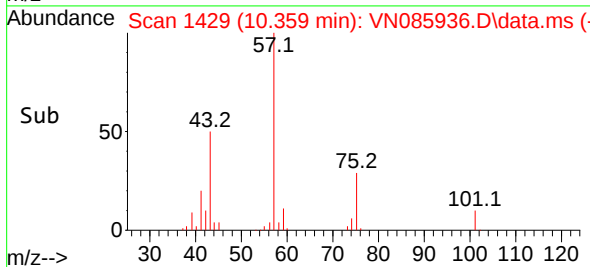
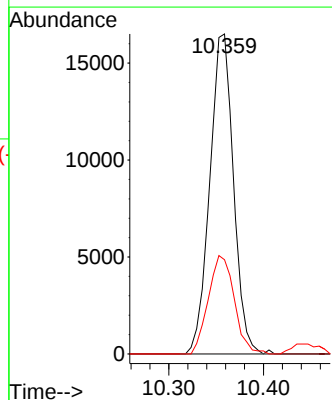
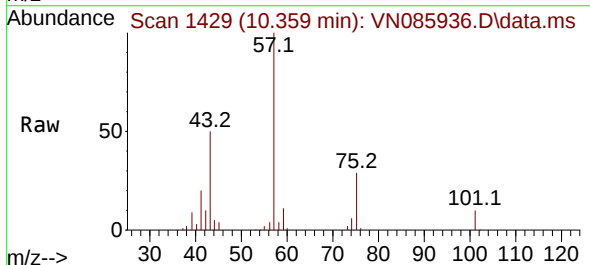
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

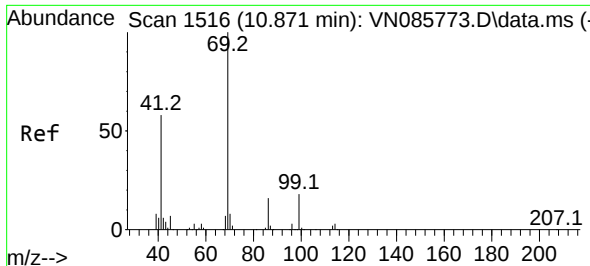
Tgt Ion: 43 Resp: 8343
Ion Ratio Lower Upper
43 100
58 24.5 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 8.573 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Tgt Ion: 75 Resp: 28753
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 29.5 33.4 50.0#

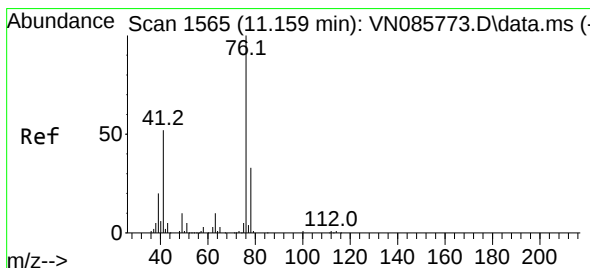
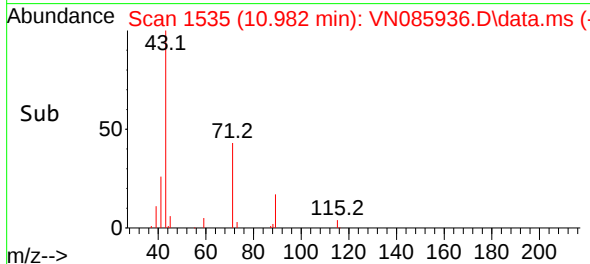
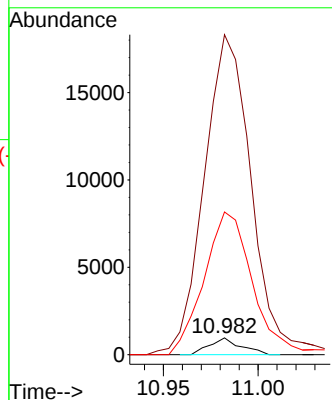
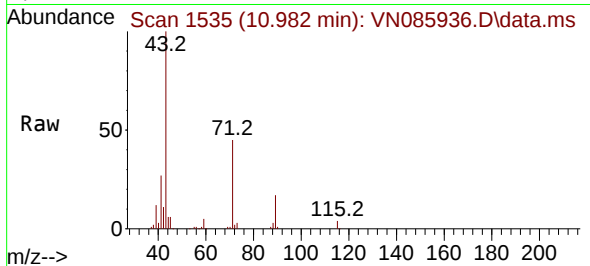




#56
Ethyl methacrylate
Concen: 0.866 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

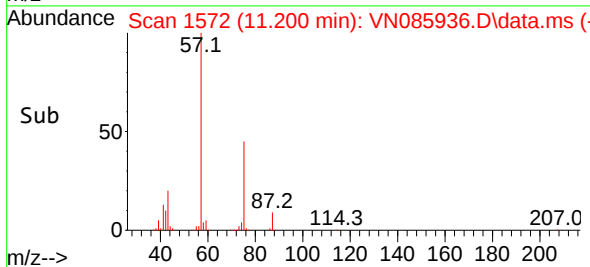
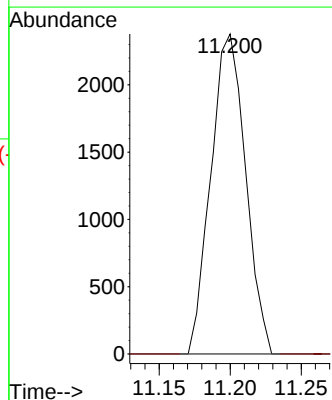
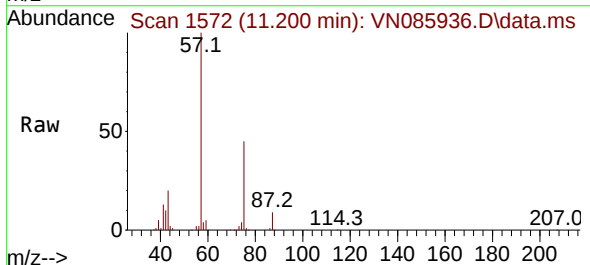
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

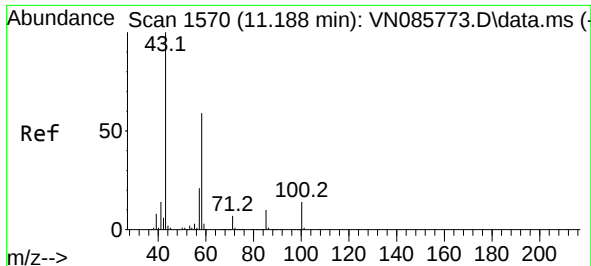
Tgt Ion: 69 Resp: 1108
Ion Ratio Lower Upper
69 100
41 2886.5 46.0 69.0#
39 1336.9 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.145 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Tgt Ion: 76 Resp: 4045
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

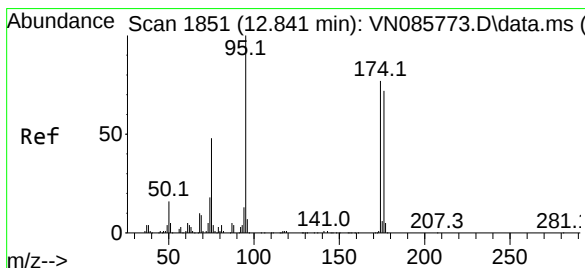
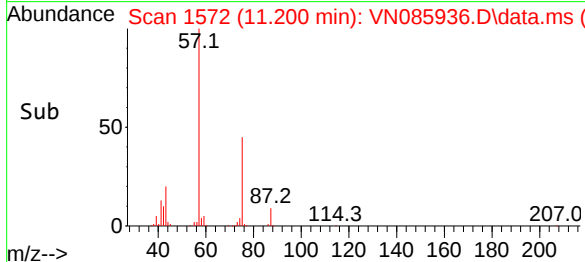
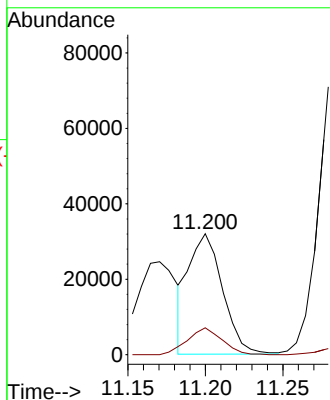
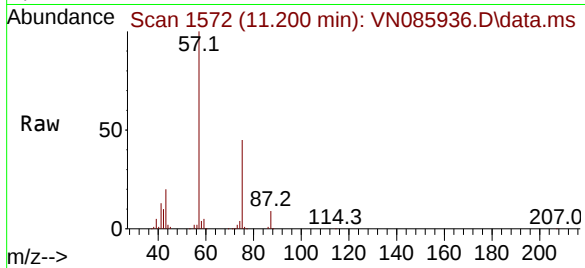




#59
2-Hexanone
Concen: 31.481 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

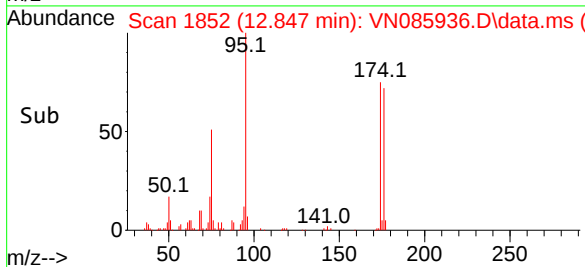
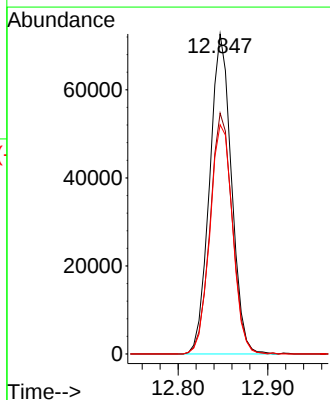
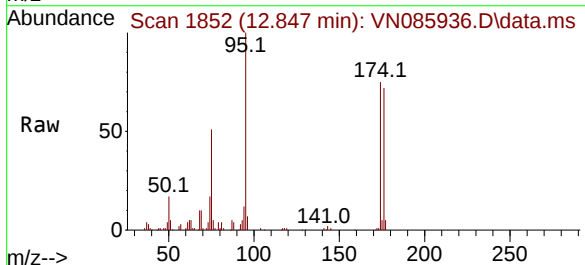
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

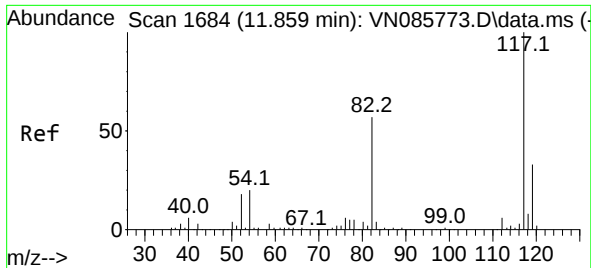
Tgt Ion: 43 Resp: 48686
Ion Ratio Lower Upper
43 100
58 22.6 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 51.159 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Tgt Ion: 95 Resp: 122771
Ion Ratio Lower Upper
95 100
174 76.7 0.0 152.4
176 74.4 0.0 146.6

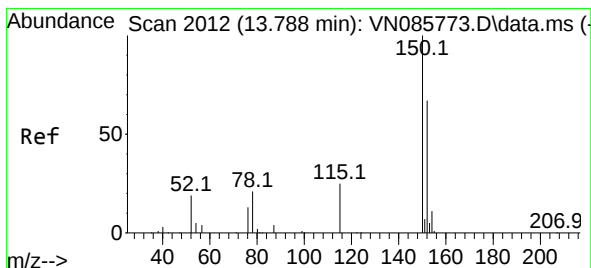
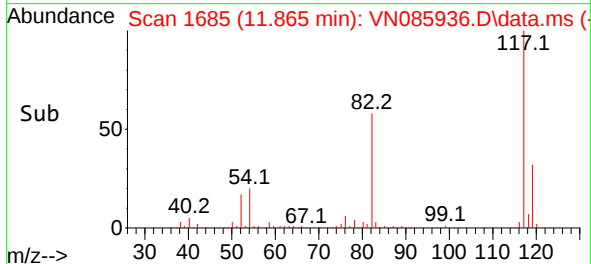
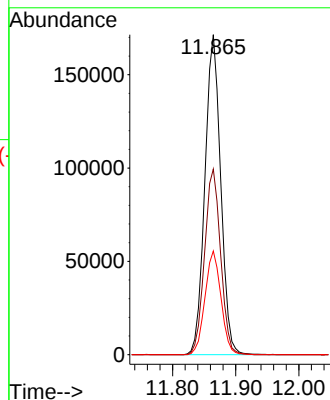
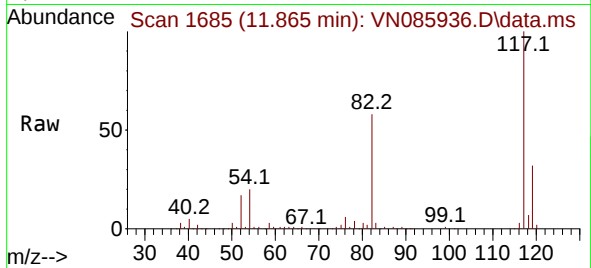




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

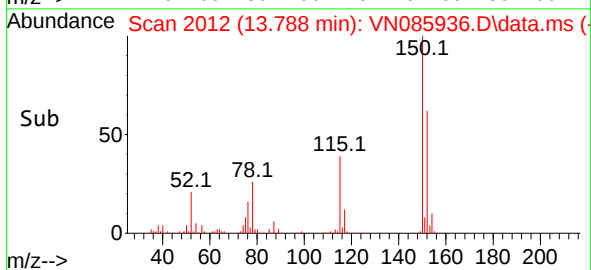
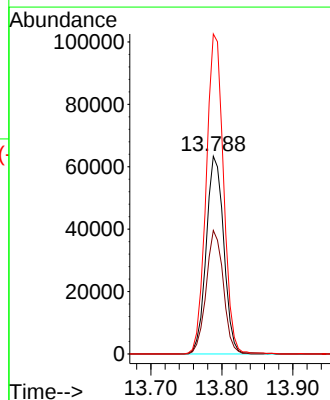
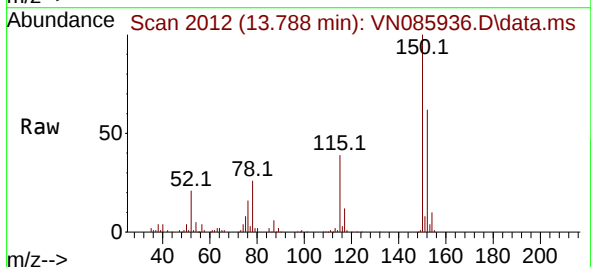
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

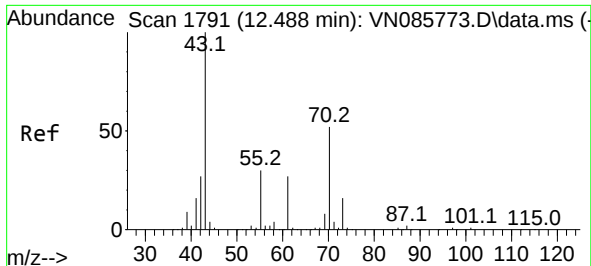
Tgt Ion:117 Resp: 298343
Ion Ratio Lower Upper
117 100
82 58.0 45.7 68.5
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Tgt Ion:152 Resp: 108946
Ion Ratio Lower Upper
152 100
115 61.0 30.4 91.3
150 159.9 0.0 345.4

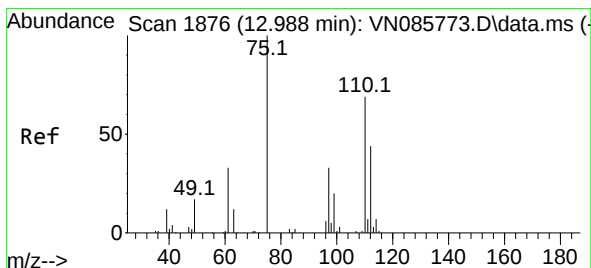
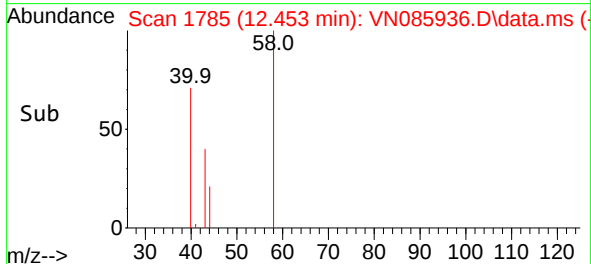
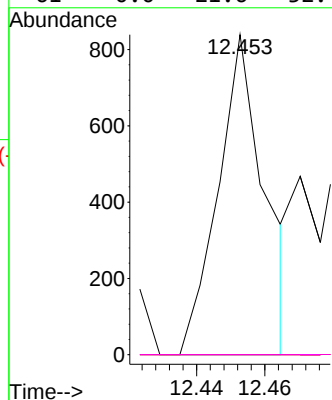
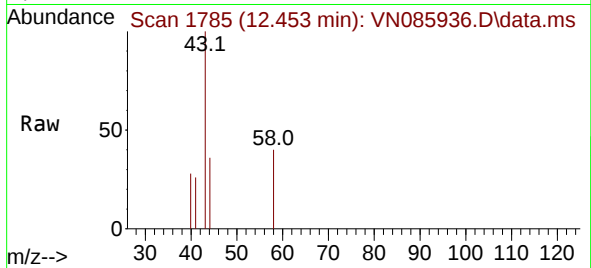




#74
N-amy1 acetate
Concen: 0.303 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

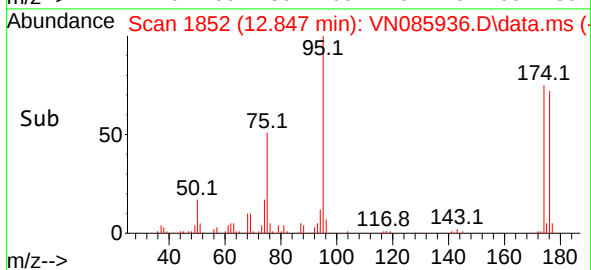
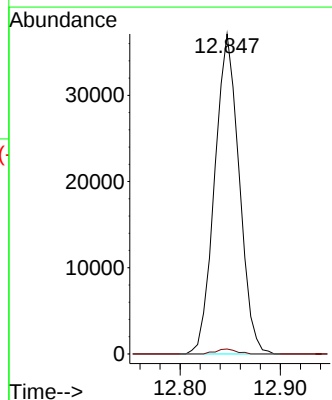
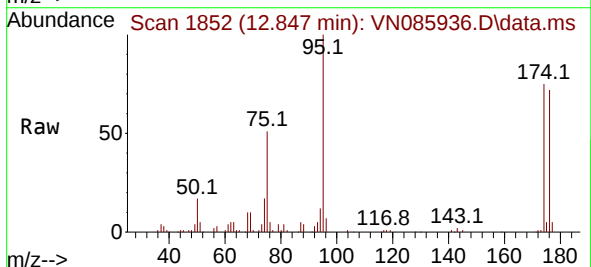
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03

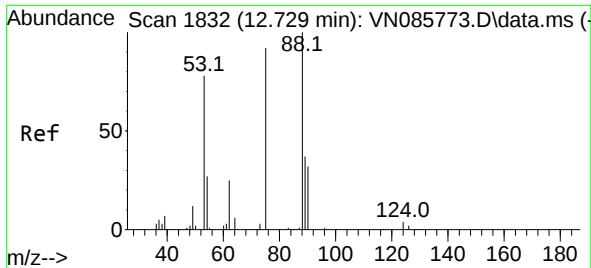
Tgt Ion: 43	Resp: 798
Ion Ratio	Lower Upper
43	100
70	0.0 41.0 61.4#
55	0.0 24.6 36.8#
61	0.0 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 25.991 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

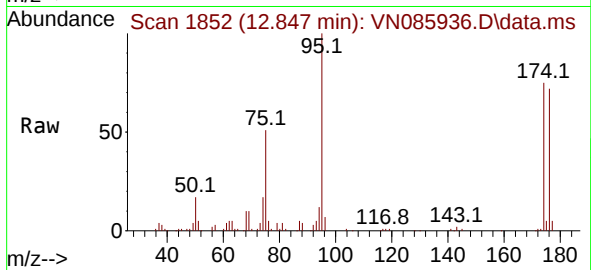
Tgt Ion: 75	Resp: 62901
Ion Ratio	Lower Upper
75	100
77	1.3 100.0 300.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 75.837 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN085936.D
Acq: 11 Mar 2025 17:04

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#03



Tgt Ion: 75 Resp: 62901
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

