

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031225\
 Data File : VN085964.D
 Acq On : 12 Mar 2025 16:54
 Operator : JC\MD
 Sample : PB167050ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#01

Quant Time: Mar 13 01:39:48 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)

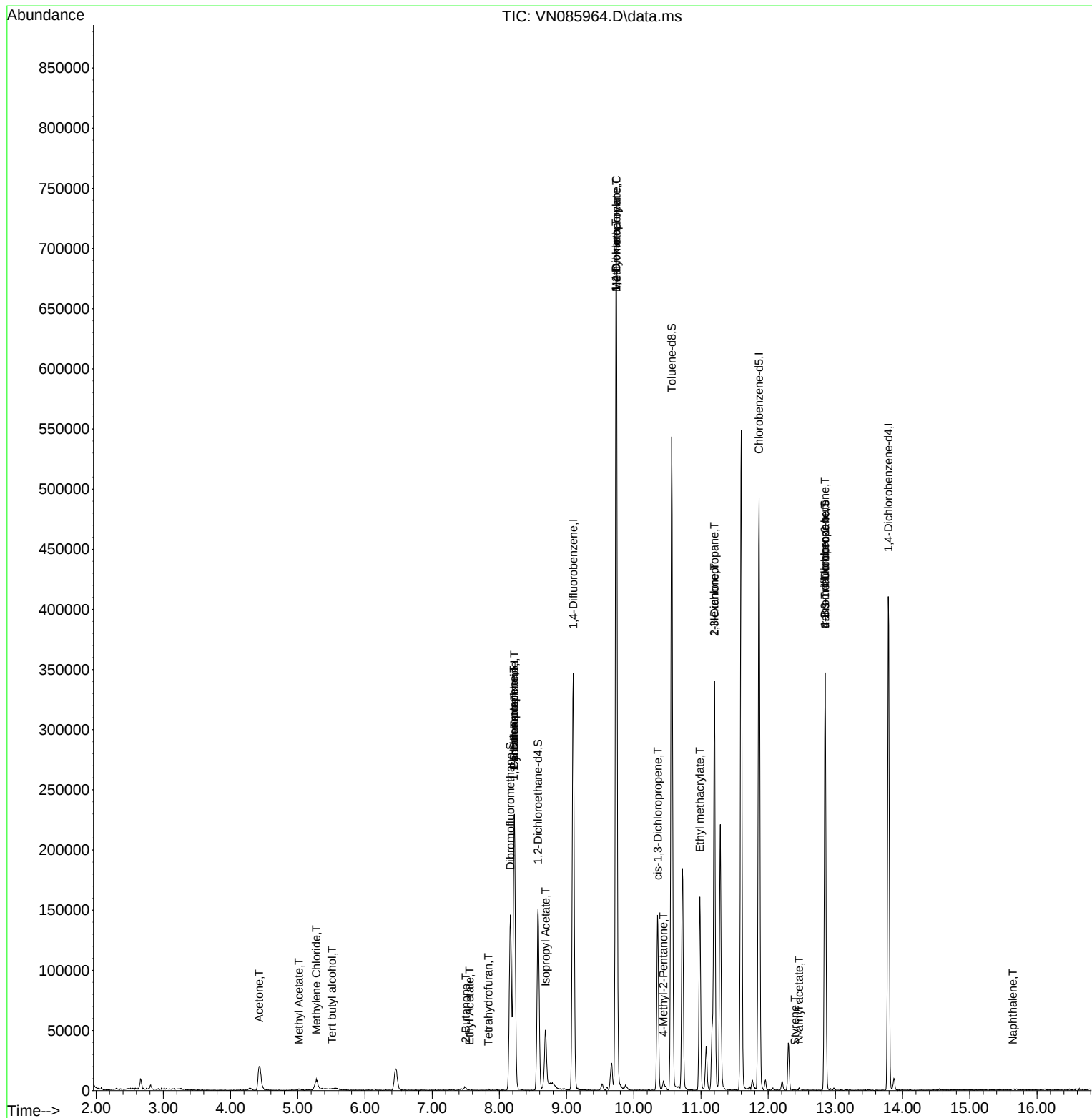
Internal Standards						
1) Pentafluorobenzene	8.224	168	166256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	290015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	125209	58.089	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 116.180%		
35) Dibromofluoromethane	8.165	113	103387	52.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 105.240%		
50) Toluene-d8	10.565	98	383375	53.627	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 107.260%		
62) 4-Bromofluorobenzene	12.847	95	123434	52.405	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 104.800%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	870	3.282	ug/l #	72
16) Acetone	4.424	43	39540	57.975	ug/l	90
18) Methyl Acetate	5.018	43	907	0.387	ug/l #	78
20) Methylene Chloride	5.277	84	6203	2.828	ug/l	87
25) 2-Butanone	7.500	43	4345	4.330	ug/l #	89
29) Tetrahydrofuran	7.835	42	320	0.494	ug/l #	56
31) Cyclohexane	8.224	56	3595	1.168	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13906	5.001	ug/l #	48
37) Ethyl Acetate	7.559	43	1347	0.589	ug/l #	73
38) Carbon Tetrachloride	8.224	117	17319	5.241	ug/l #	18
43) Isopropyl Acetate	8.688	43	56763	13.737	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	972	0.452	ug/l #	43
48) Methyl methacrylate	9.741	41	65817	38.726	ug/l #	36
49) 1,4-Dioxane	9.735	88	58	1.795	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	4006	1.816	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	27826	8.453	ug/l #	64
56) Ethyl methacrylate	10.982	69	917	0.802	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3698	1.066	ug/l #	42
59) 2-Hexanone	11.200	43	43052	28.363	ug/l #	51
70) Styrene	12.400	104	61	0.594	ug/l #	26
74) N-amyl acetate	12.459	43	1222	0.454	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	62519	25.258	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62519	73.697	ug/l #	12
95) Naphthalene	15.641	128	1127	0.232	ug/l #	76

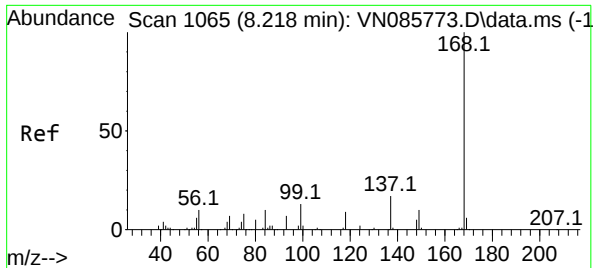
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031225\
Data File : VN085964.D
Acq On : 12 Mar 2025 16:54
Operator : JC\MD
Sample : PB167050ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

Quant Time: Mar 13 01:39:48 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

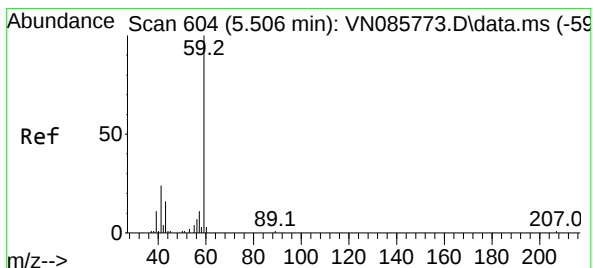
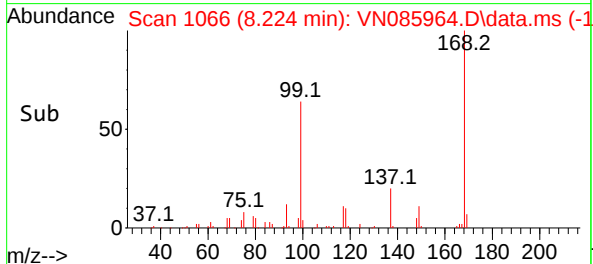
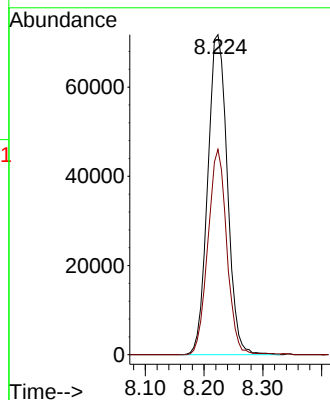
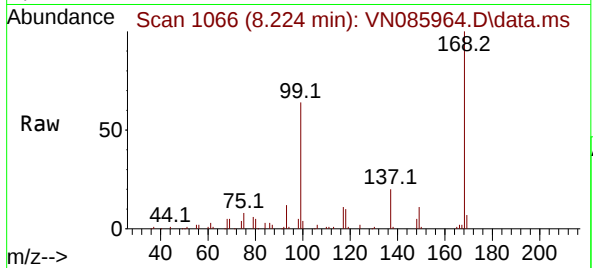




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

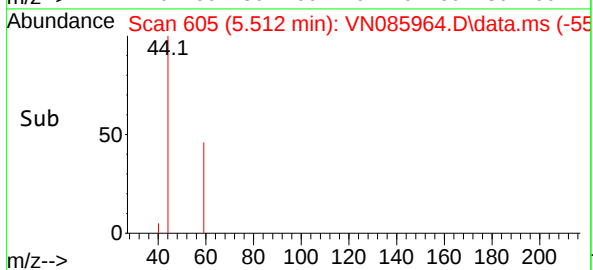
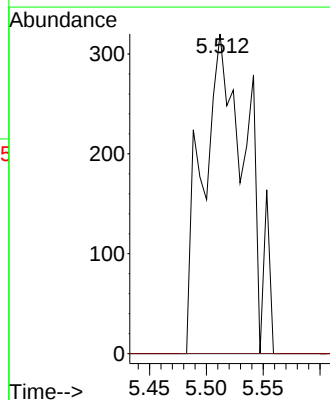
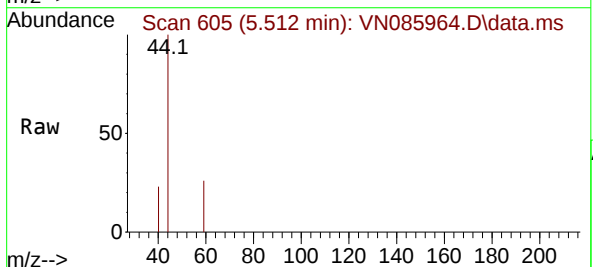
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

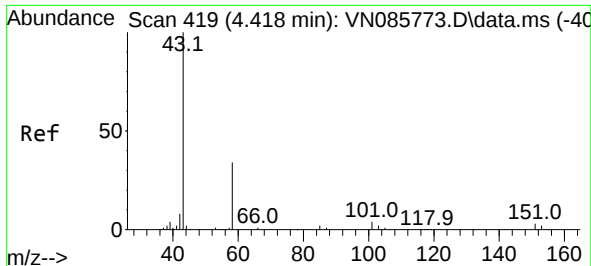
Tgt Ion:168 Resp: 166256
Ion Ratio Lower Upper
168 100
99 64.2 47.9 71.9



#11
Tert butyl alcohol
Concen: 3.282 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 59 Resp: 870
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

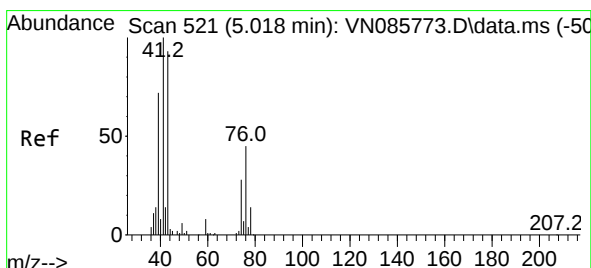
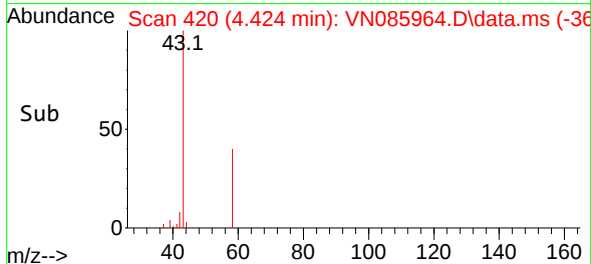
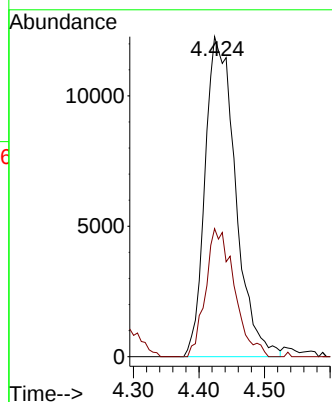
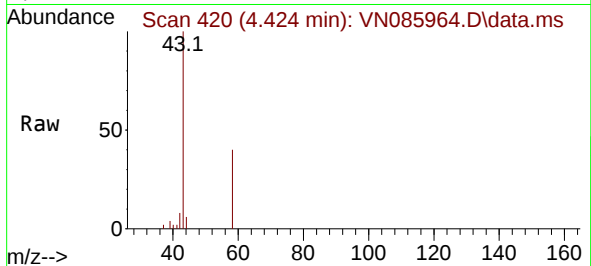




#16
Acetone
Concen: 57.975 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

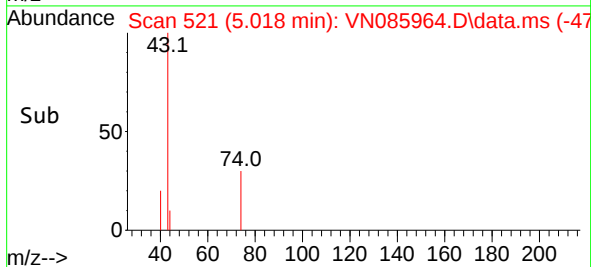
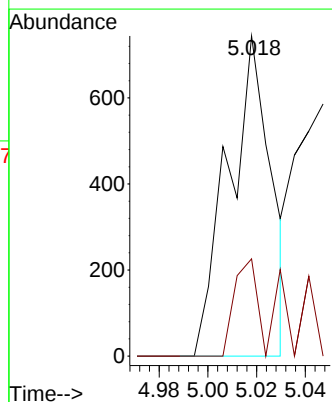
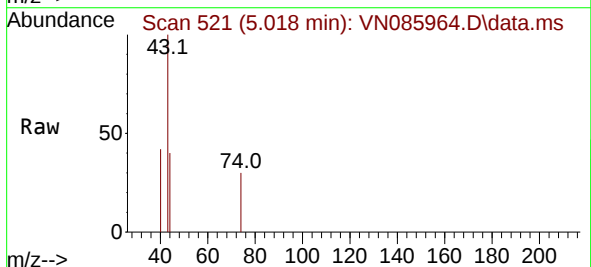
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

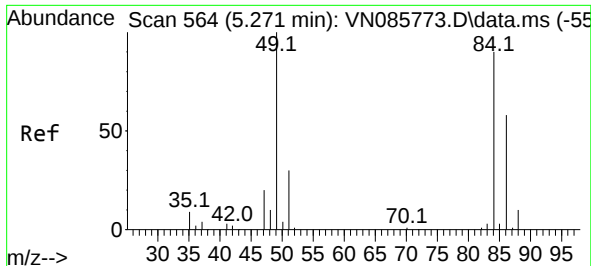
Tgt Ion: 43 Resp: 39540
Ion Ratio Lower Upper
43 100
58 40.0 27.5 41.3



#18
Methyl Acetate
Concen: 0.387 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

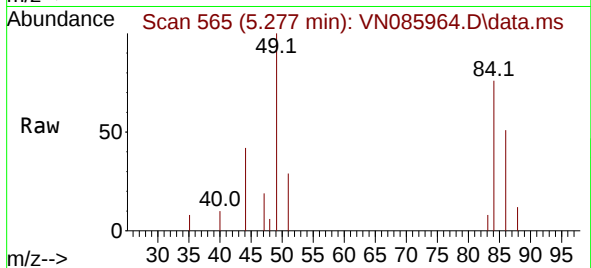
Tgt Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
74 16.1 22.2 33.4#



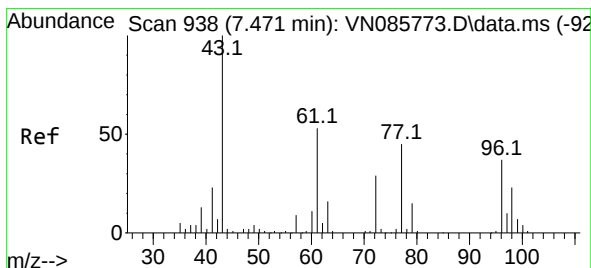
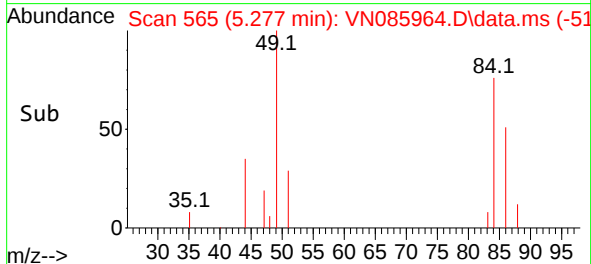
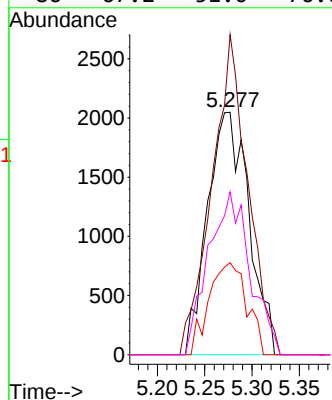


#20
Methylene Chloride
Concen: 2.828 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

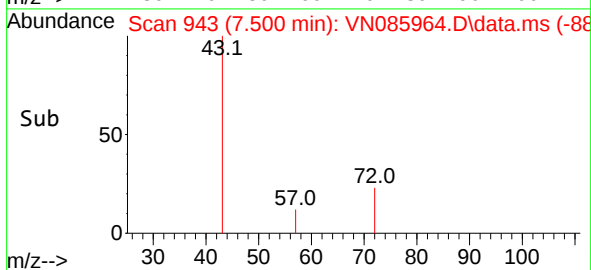
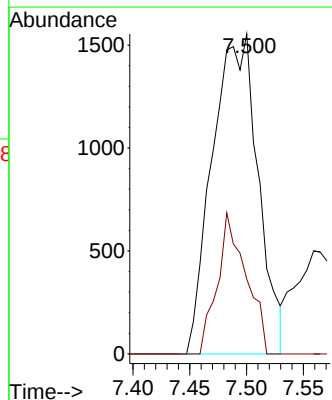
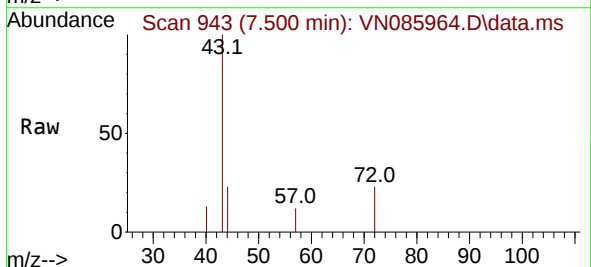


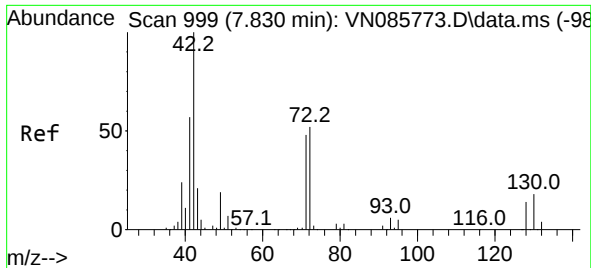
Tgt Ion: 84	Resp: 6203
Ion Ratio	Lower Upper
84 100	
49 132.0	88.4 132.6
51 37.9	26.6 40.0
86 67.2	51.0 76.6



#25
2-Butanone
Concen: 4.330 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.029 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 43	Resp: 4345		
Ion Ratio	Lower	Upper	
43 100			
72 23.4	23.6	35.4#	

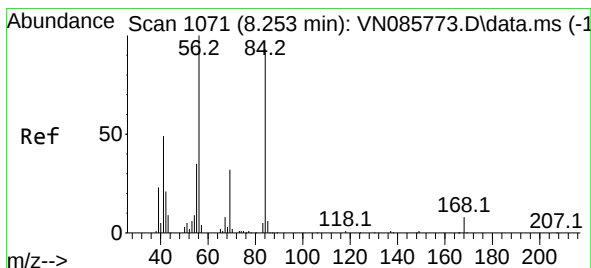
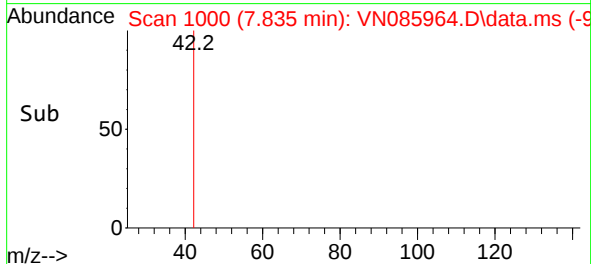
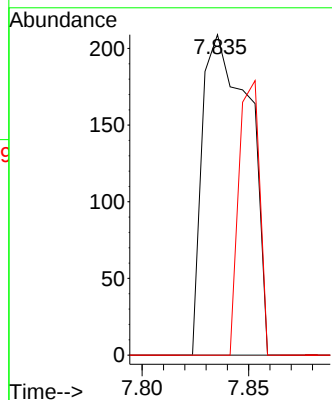
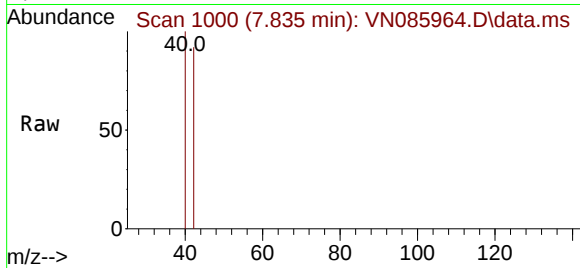




#29
Tetrahydrofuran
Concen: 0.494 ug/l
RT: 7.835 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

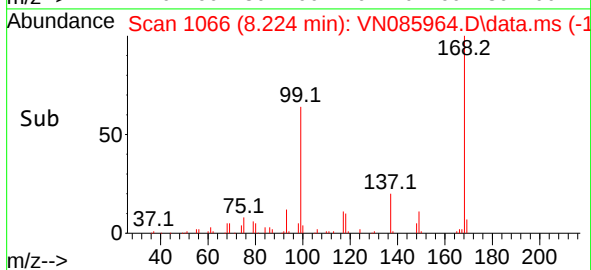
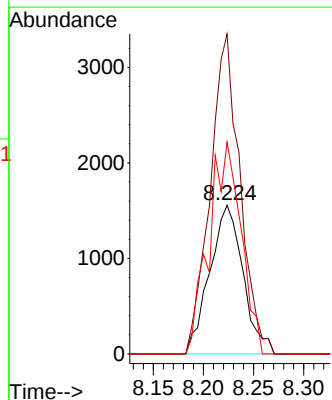
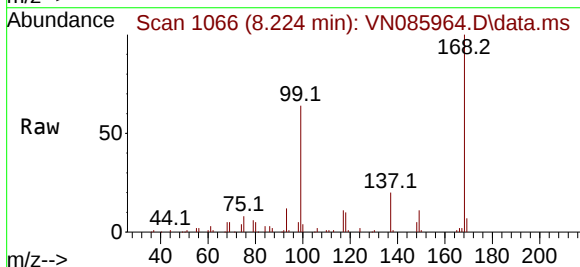
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

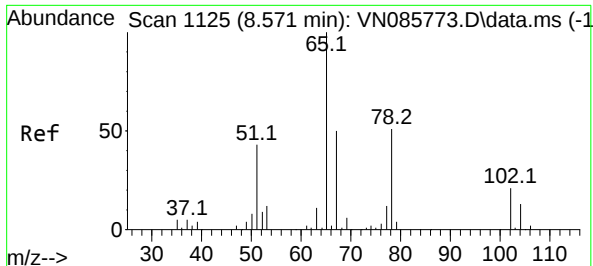
Tgt Ion: 42 Resp: 320
Ion Ratio Lower Upper
42 100
72 0.0 40.0 60.0#
71 37.8 37.0 55.4



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 56 Resp: 3595
Ion Ratio Lower Upper
56 100
69 215.3 25.8 38.6#
84 142.4 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 58.089 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085964.D

Acq: 12 Mar 2025 16:54

Instrument :

MSVOA_N

ClientSampleId :

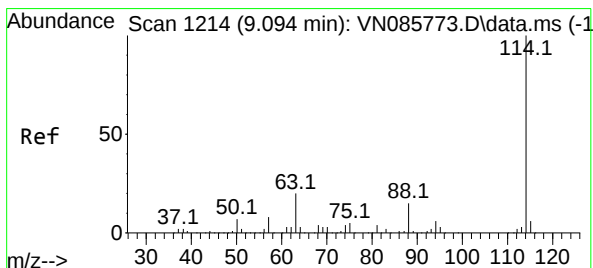
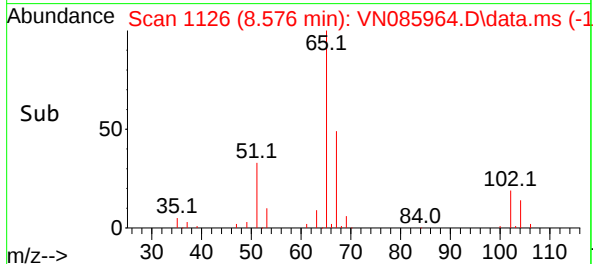
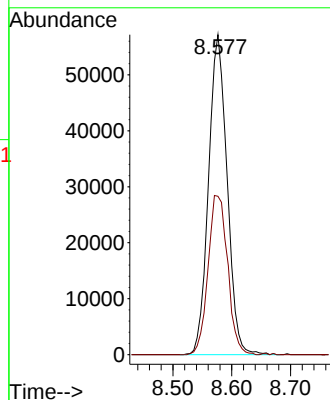
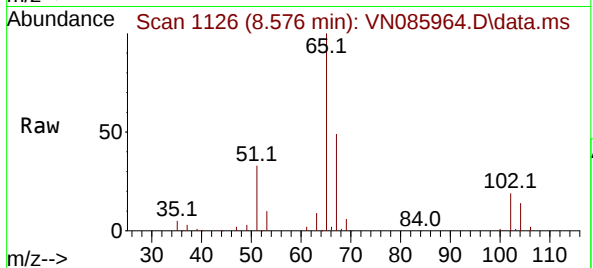
PB167050ZHE#01

Tgt Ion: 65 Resp: 125209

Ion Ratio Lower Upper

65 100

67 52.6 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: VN085964.D

Acq: 12 Mar 2025 16:54

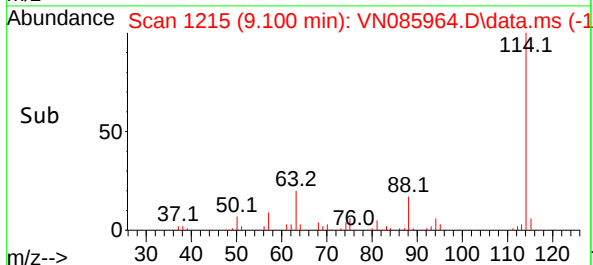
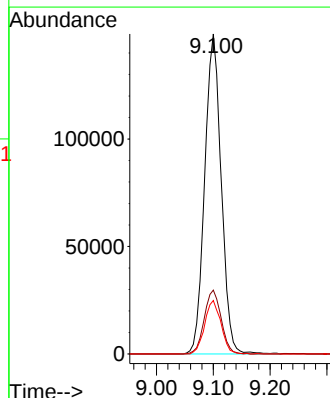
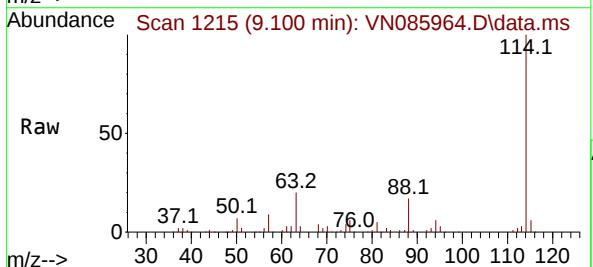
Tgt Ion: 114 Resp: 300281

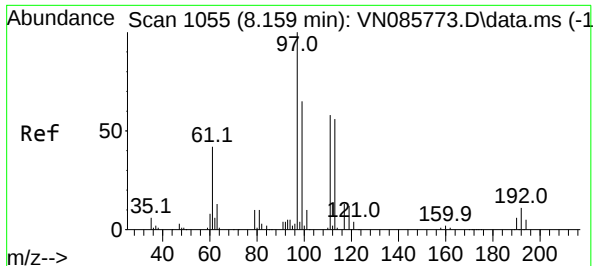
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

88 16.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.617 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085964.D

Acq: 12 Mar 2025 16:54

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#01

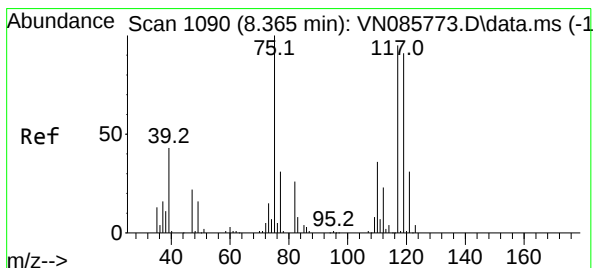
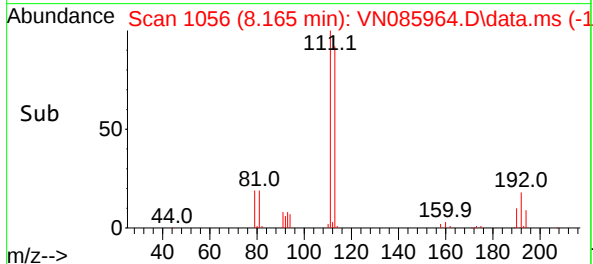
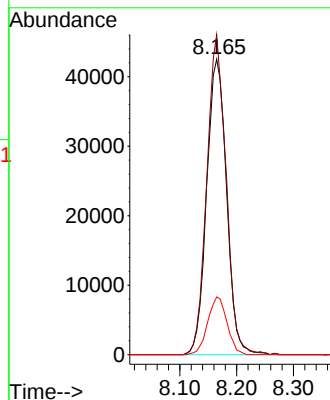
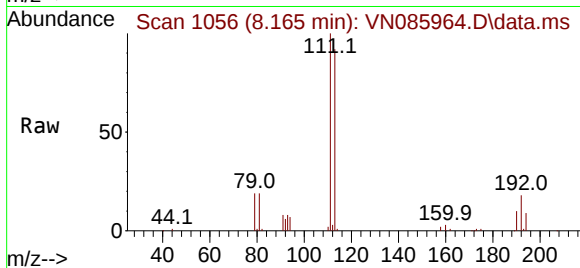
Tgt Ion:113 Resp: 103387

Ion Ratio Lower Upper

113 100

111 104.8 82.2 123.4

192 19.0 14.7 22.1



#36

1,1-Dichloropropene

Concen: 5.001 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085964.D

Acq: 12 Mar 2025 16:54

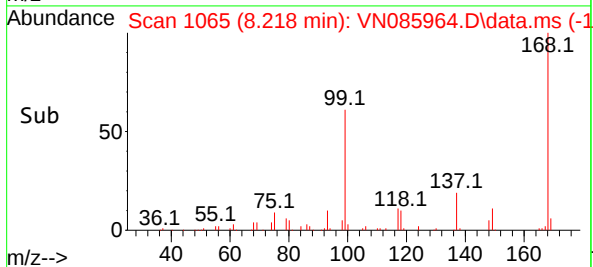
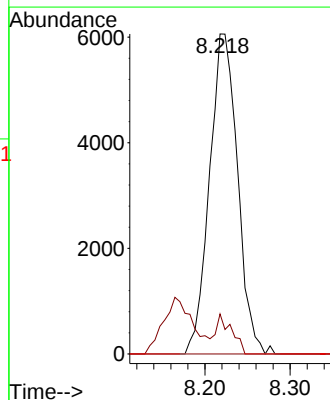
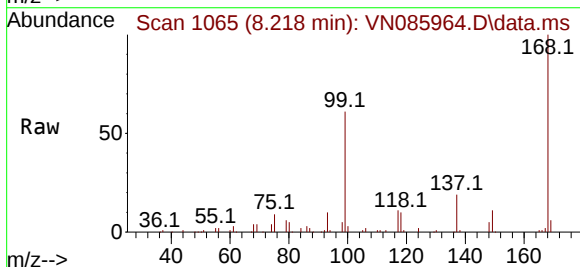
Tgt Ion: 75 Resp: 13906

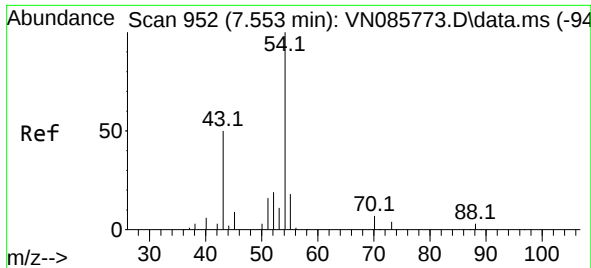
Ion Ratio Lower Upper

75 100

110 7.0 17.3 52.0#

77 0.0 24.6 37.0#

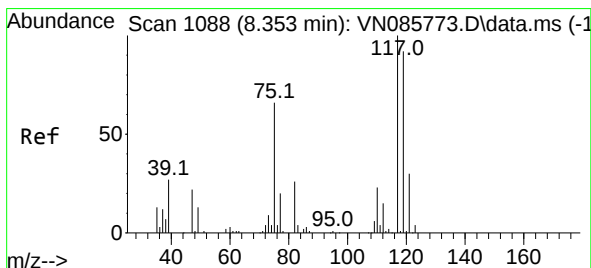
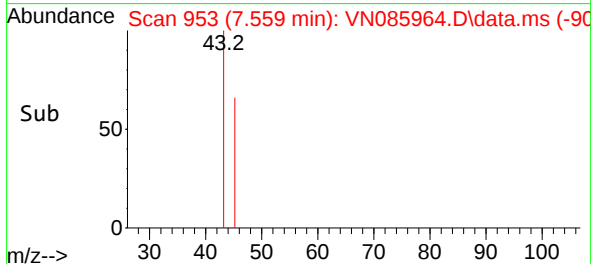
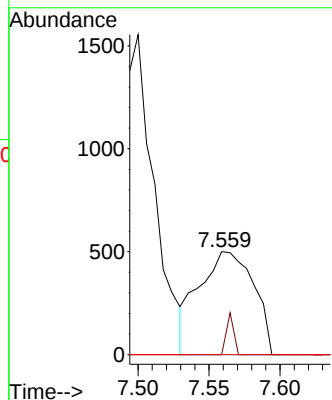
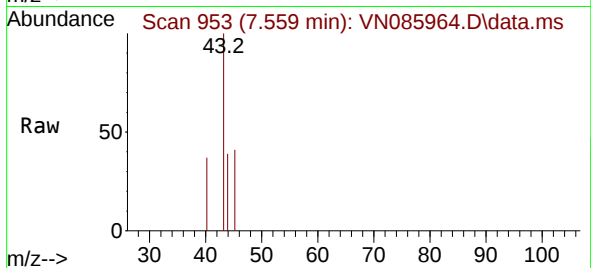




#37
Ethyl Acetate
Concen: 0.589 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

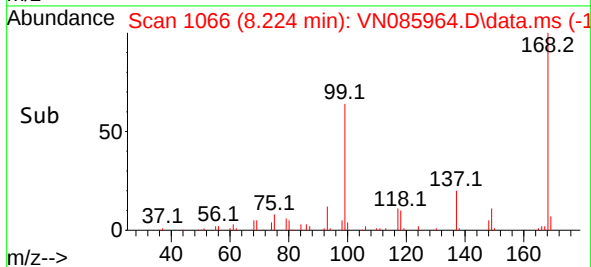
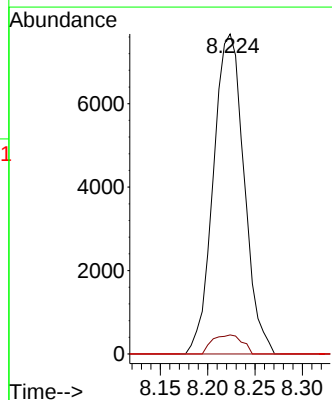
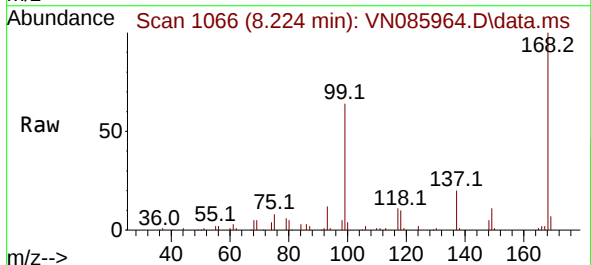
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

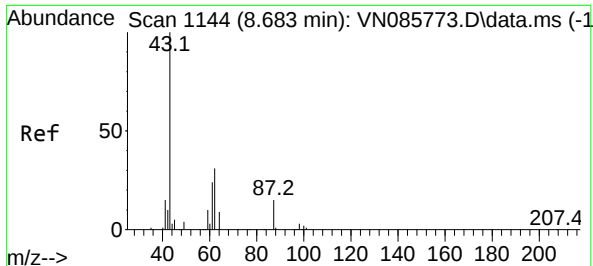
Tgt Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
61 5.3 12.2 18.2#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 5.241 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.130 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 117 Resp: 17319
Ion Ratio Lower Upper
117 100
119 6.0 73.8 110.6#
121 0.0 24.3 36.5#

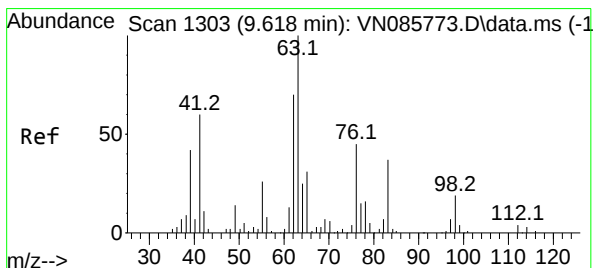
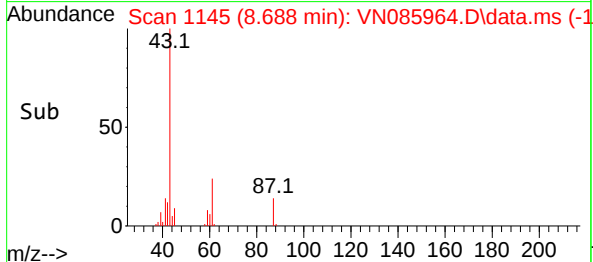
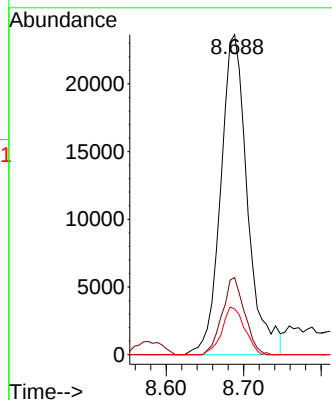
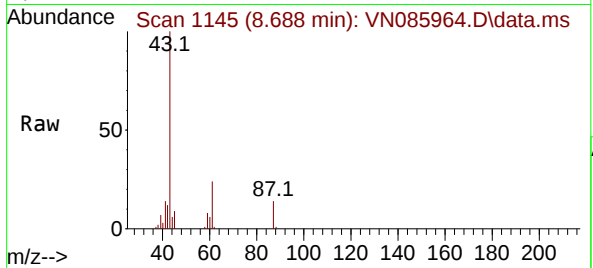




#43
Isopropyl Acetate
Concen: 13.737 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

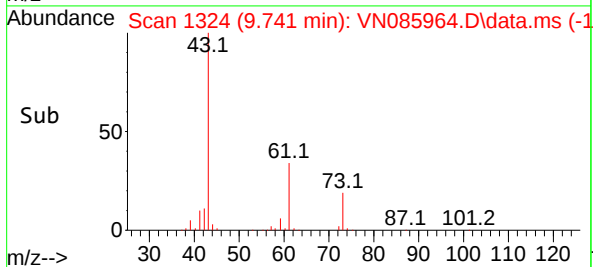
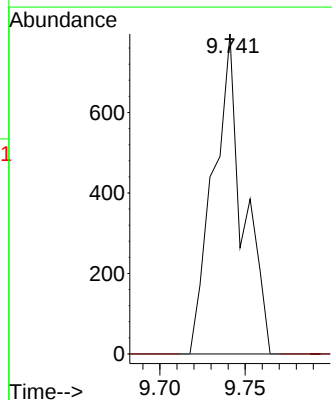
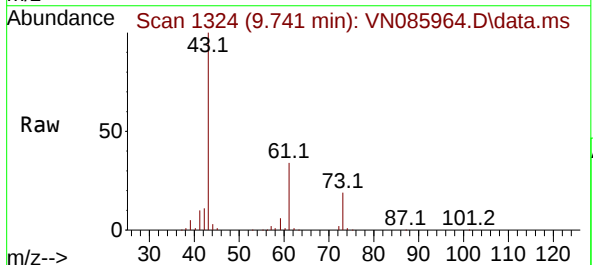
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

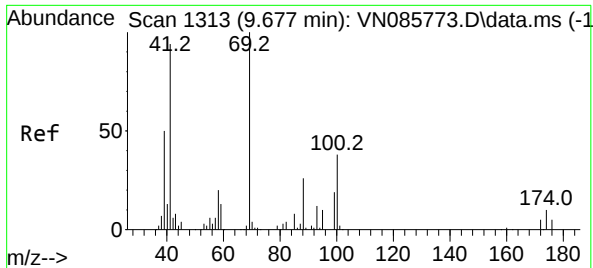
Tgt Ion: 43 Resp: 56763
Ion Ratio Lower Upper
43 100
61 20.1 22.6 34.0#
87 12.7 11.8 17.8



#45
1,2-Dichloropropane
Concen: 0.452 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 63 Resp: 972
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

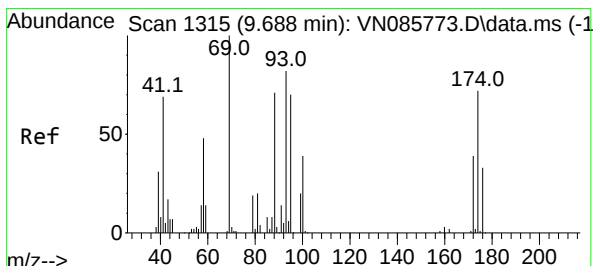
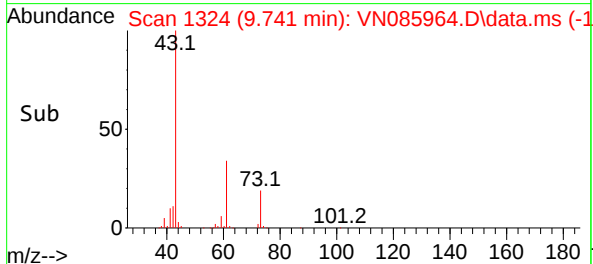
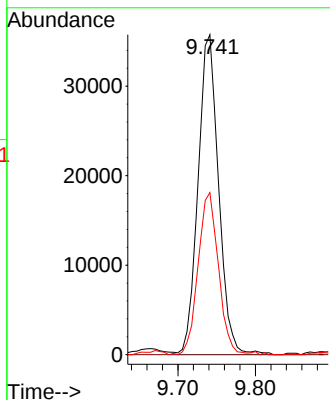
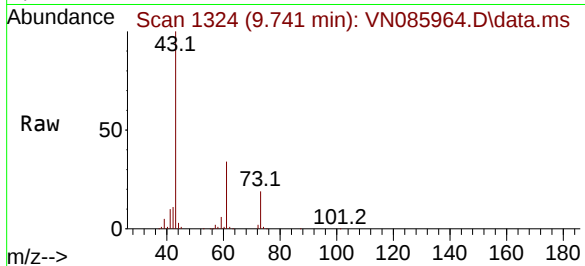




#48
Methyl methacrylate
Concen: 38.726 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

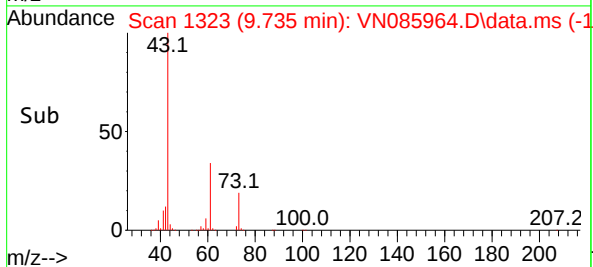
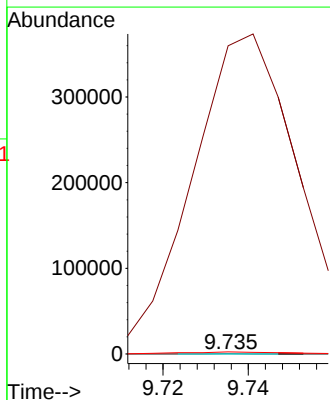
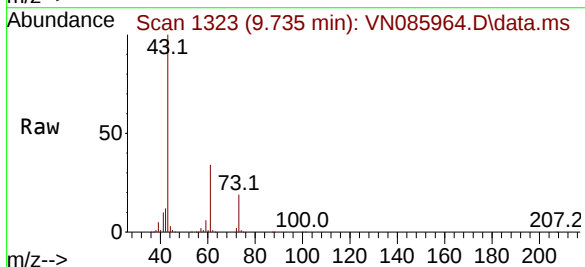
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

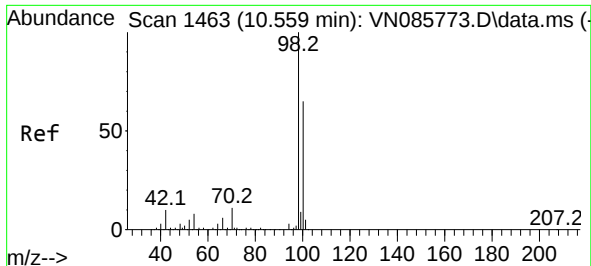
Tgt Ion: 41 Resp: 65817
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 50.3 42.3 63.5



#49
1,4-Dioxane
Concen: 1.795 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.047 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 1153767.2 18.6 27.8#
58 7405.2 56.7 85.1#

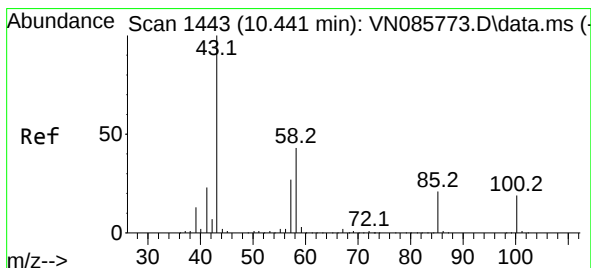
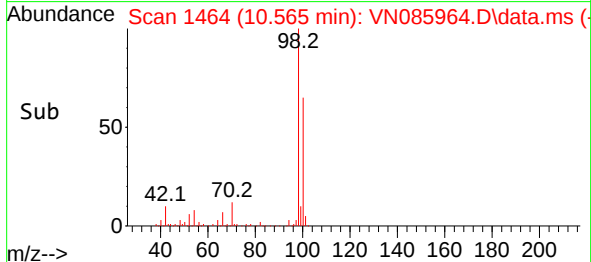
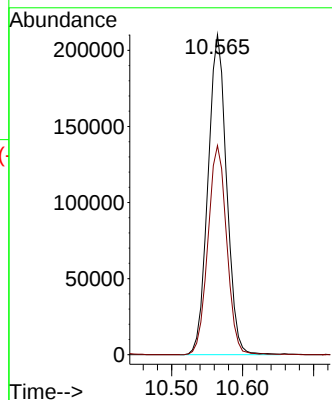
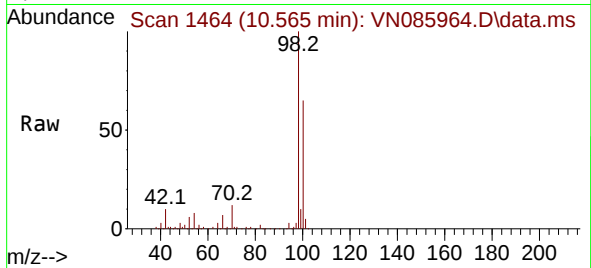




#50
Toluene-d8
Concen: 53.627 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

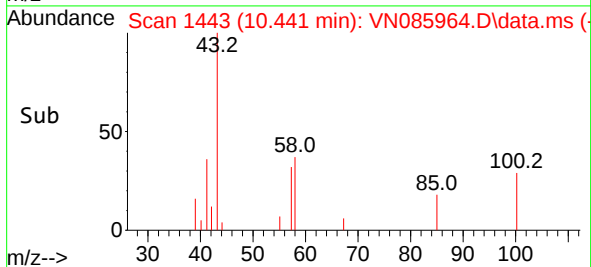
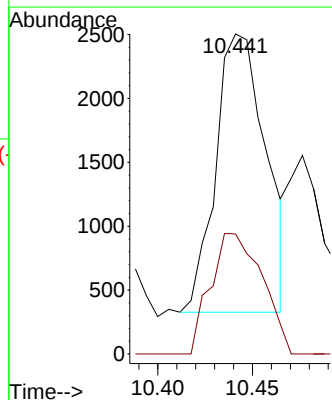
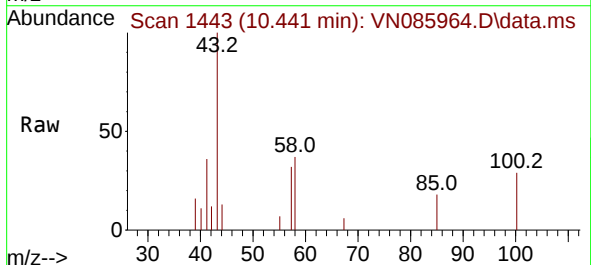
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

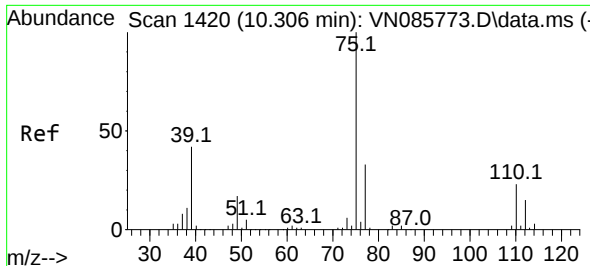
Tgt Ion: 98 Resp: 383375
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.816 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 43 Resp: 4006
Ion Ratio Lower Upper
43 100
58 44.8 34.6 52.0

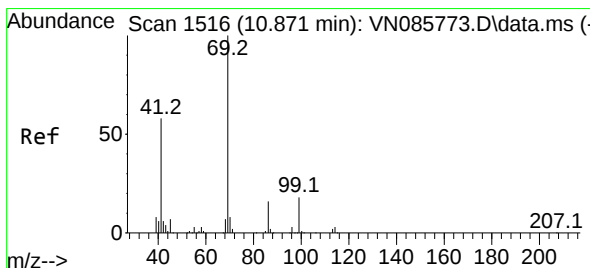
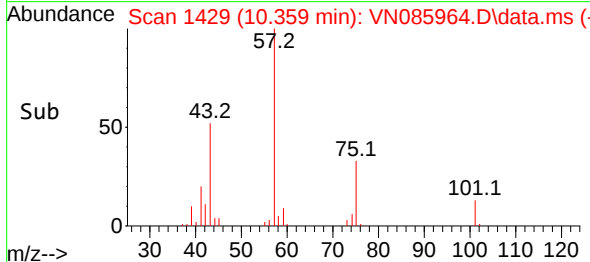
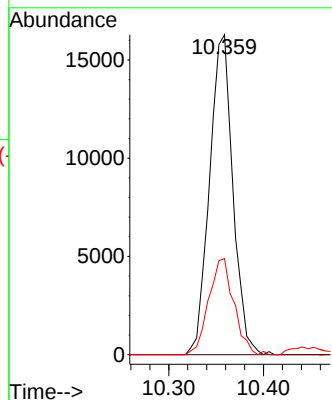
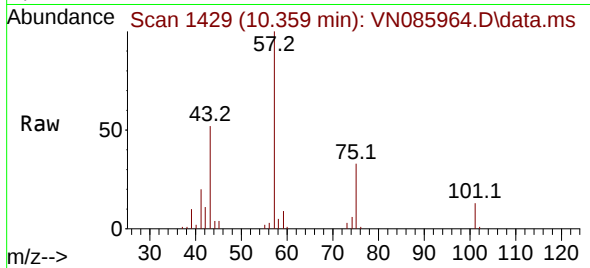




#54
 cis-1,3-Dichloropropene
 Concen: 8.453 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085964.D
 Acq: 12 Mar 2025 16:54

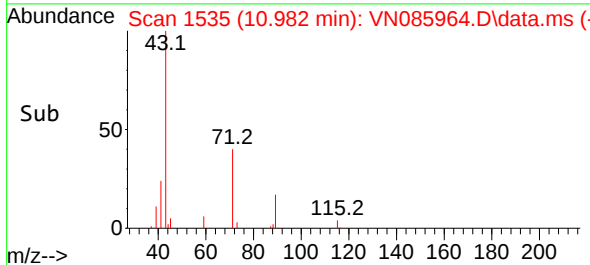
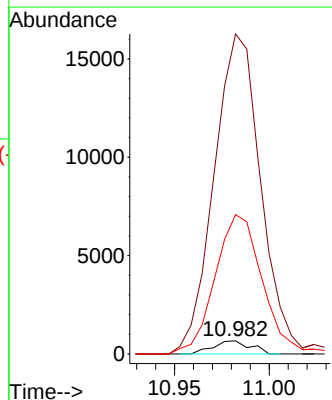
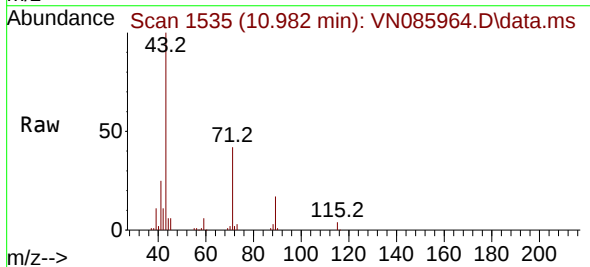
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#01

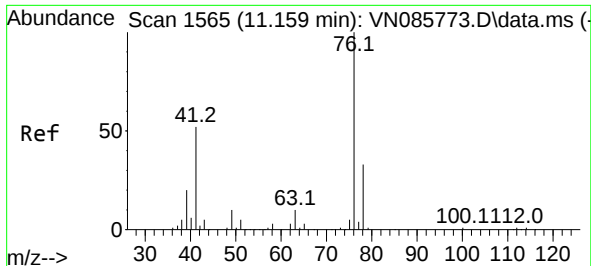
Tgt Ion: 75 Resp: 27826
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 30.0 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 0.802 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085964.D
 Acq: 12 Mar 2025 16:54

Tgt Ion: 69 Resp: 917
 Ion Ratio Lower Upper
 69 100
 41 3071.5 46.0 69.0#
 39 1349.0 22.0 33.0#

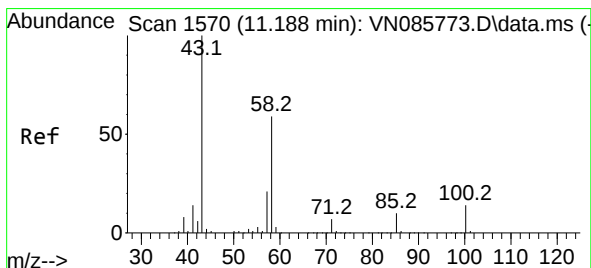
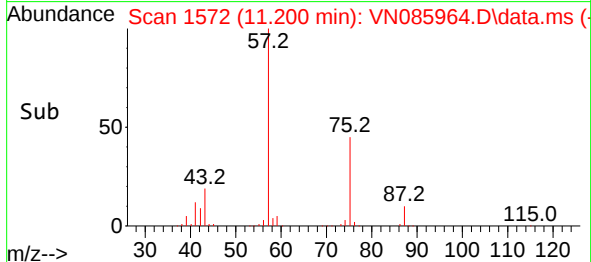
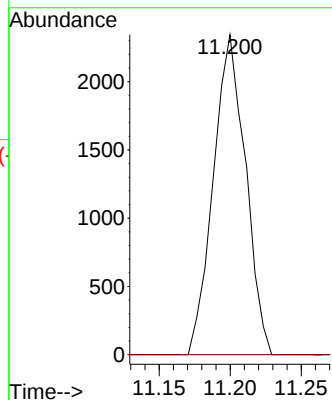
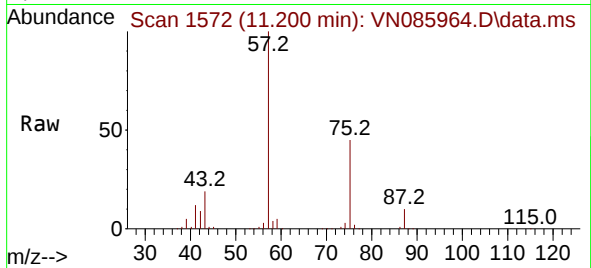




#57
1,3-Dichloropropane
Concen: 1.066 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

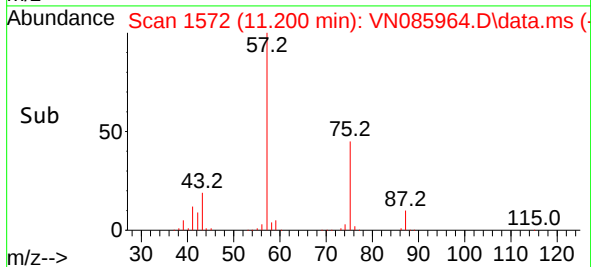
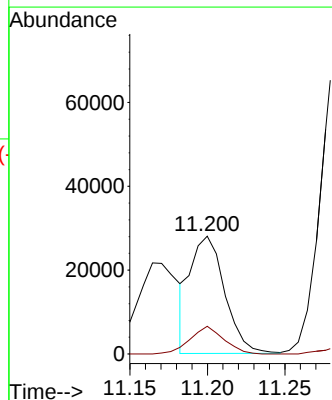
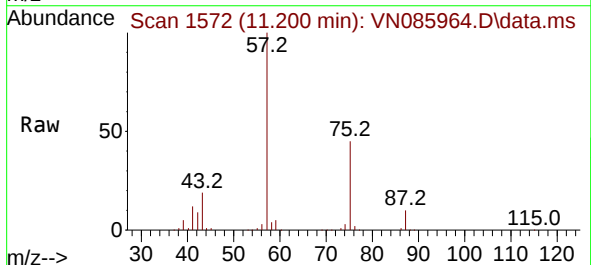
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

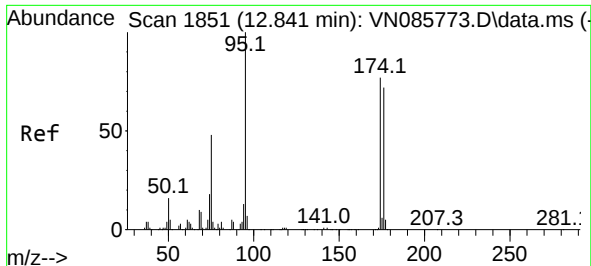
Tgt Ion: 76 Resp: 3698
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 28.363 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 43 Resp: 43052
Ion Ratio Lower Upper
43 100
58 23.1 29.8 89.5#

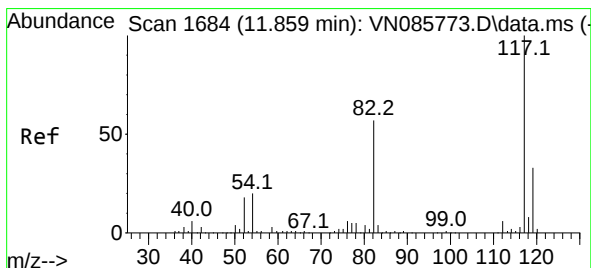
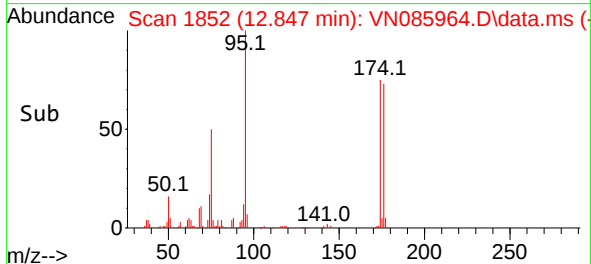
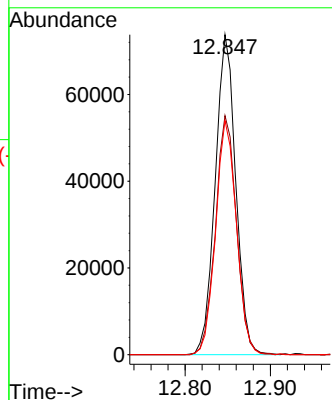
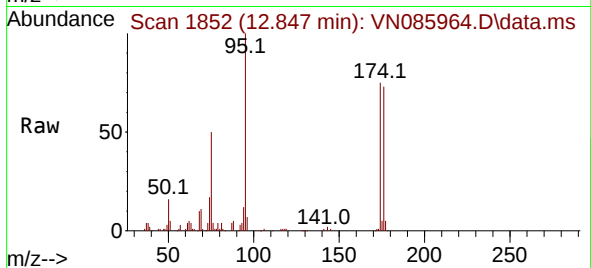




#62
4-Bromofluorobenzene
Concen: 52.405 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

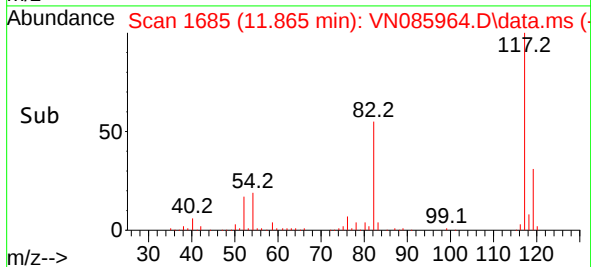
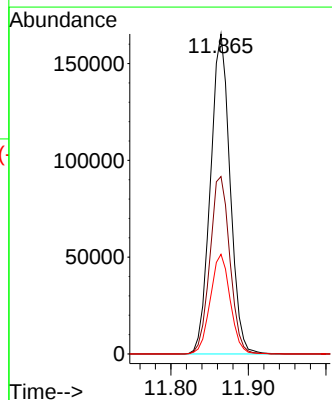
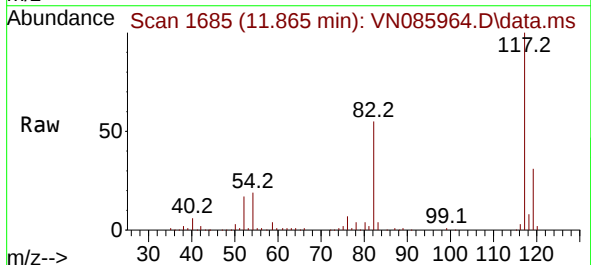
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

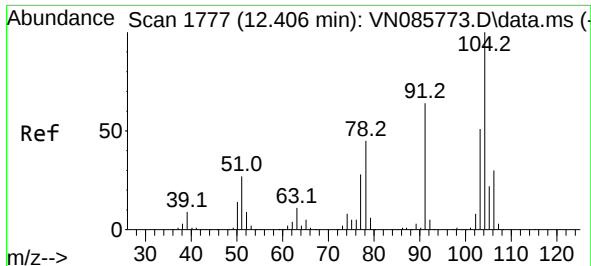
Tgt Ion: 95 Resp: 123434
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.4
176 74.1 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 117 Resp: 290015
Ion Ratio Lower Upper
117 100
82 55.5 45.7 68.5
119 31.1 26.2 39.2

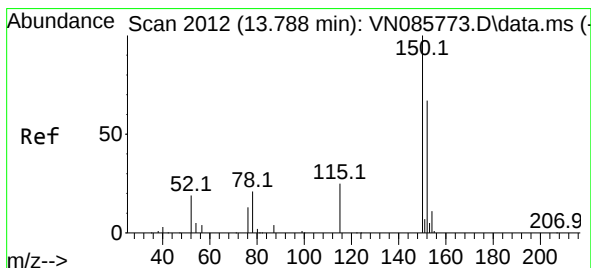
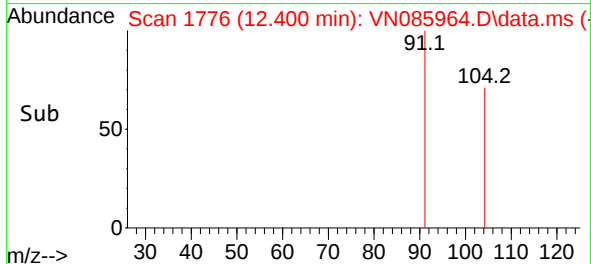
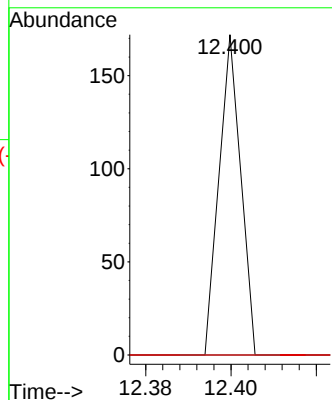
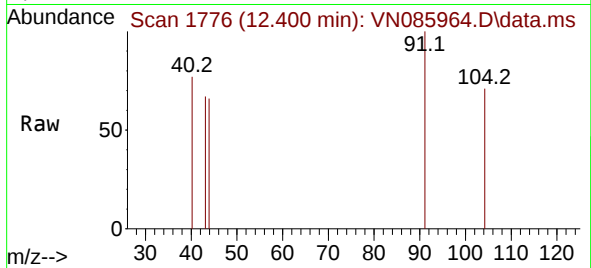




#70
Styrene
Concen: 0.594 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

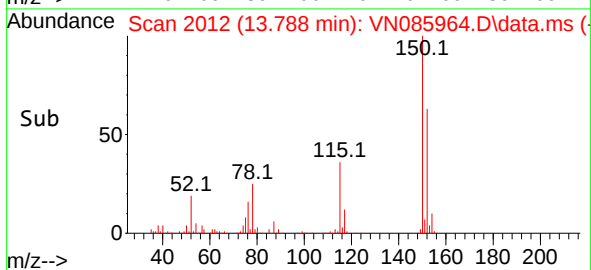
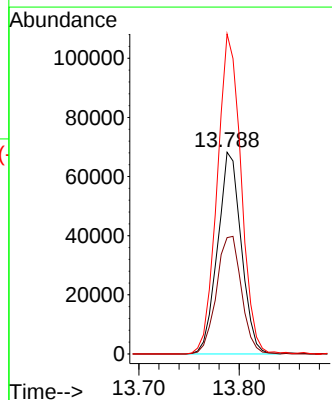
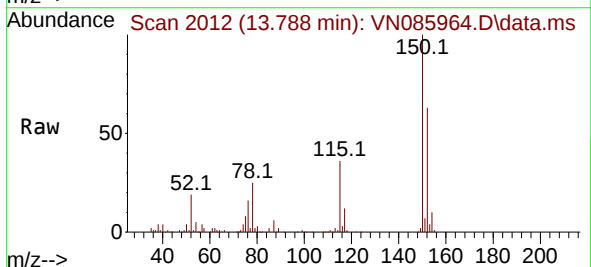
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

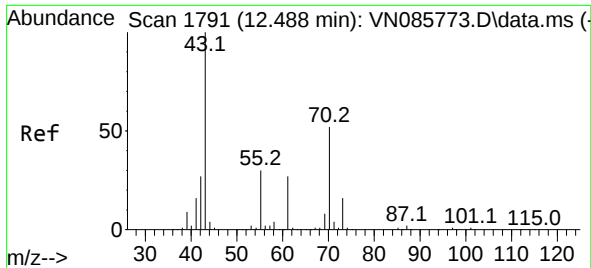
Tgt Ion:104 Resp: 61
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion:152 Resp: 111429
Ion Ratio Lower Upper
152 100
115 61.7 30.4 91.3
150 160.4 0.0 345.4

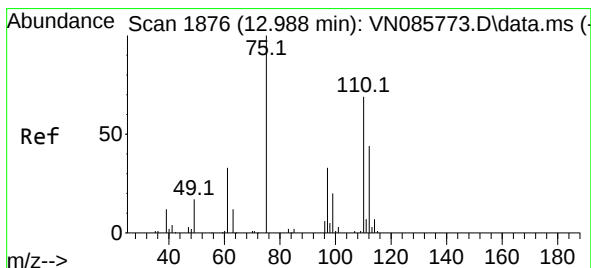
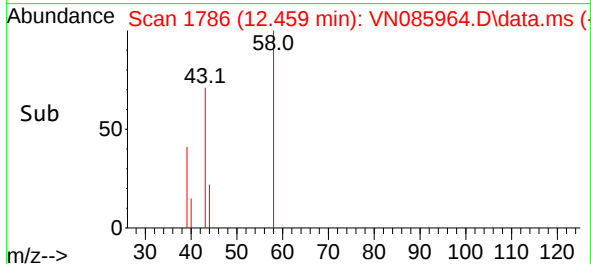
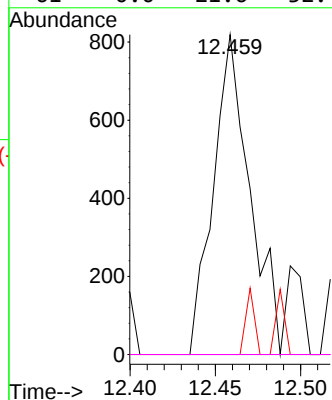
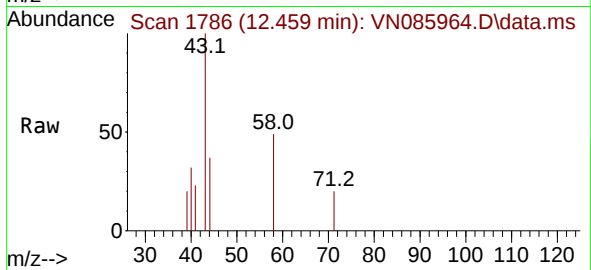




#74
N-amy1 acetate
Concen: 0.454 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

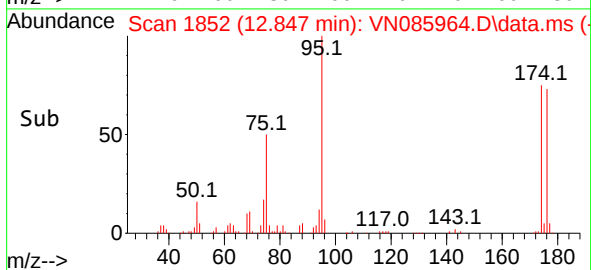
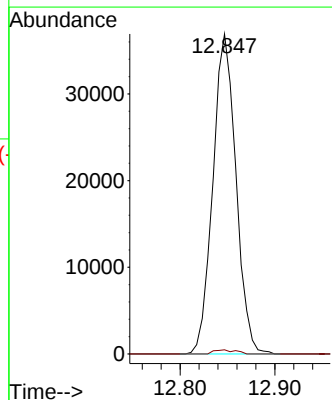
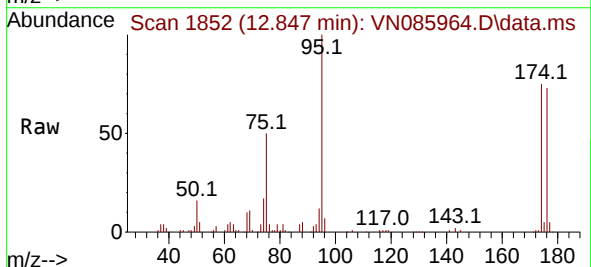
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

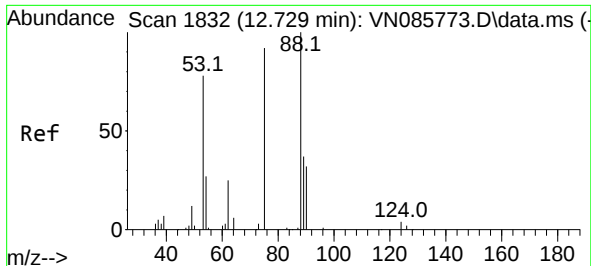
Tgt Ion: 43	Resp:	1222	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.4#
55	4.9	24.6	36.8#
61	0.0	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 25.258 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 75	Resp:	62519	
Ion	Ratio	Lower	Upper
75	100		
77	1.2	100.0	300.0#

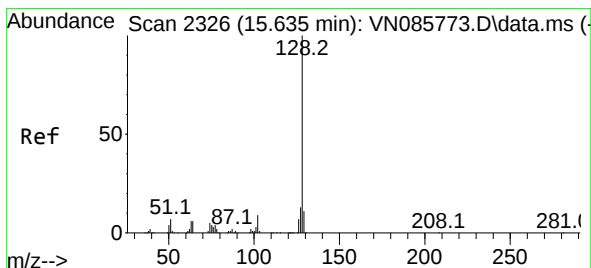
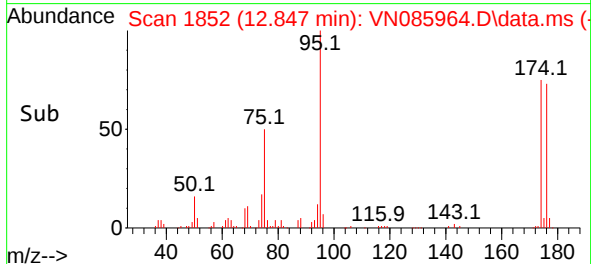
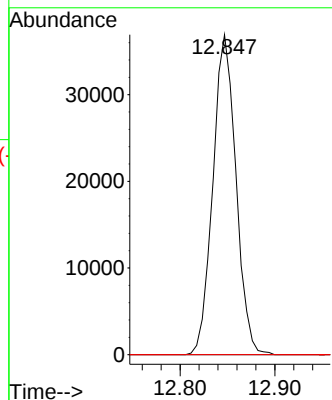
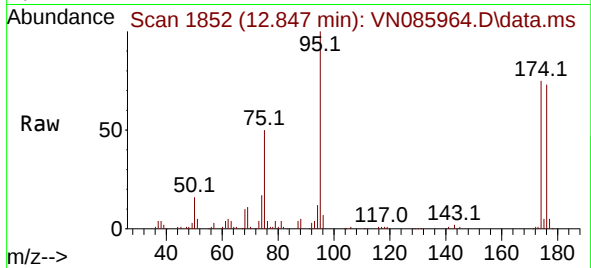




#81
trans-1,4-Dichloro-2-butene
Concen: 73.697 ug/l
RT: 12.847 min Scan# 1832
Delta R.T. 0.117 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#01

Tgt Ion: 75 Resp: 62519
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#



#95
Naphthalene
Concen: 0.232 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085964.D
Acq: 12 Mar 2025 16:54

Tgt Ion: 128 Resp: 1127
Ion Ratio Lower Upper
128 100
127 4.7 10.2 15.2#
129 0.0 8.7 13.1#

