

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086411.D
 Acq On : 28 Apr 2025 15:09
 Operator : JC\MD
 Sample : PB167744ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#08

Quant Time: Apr 29 01:54:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

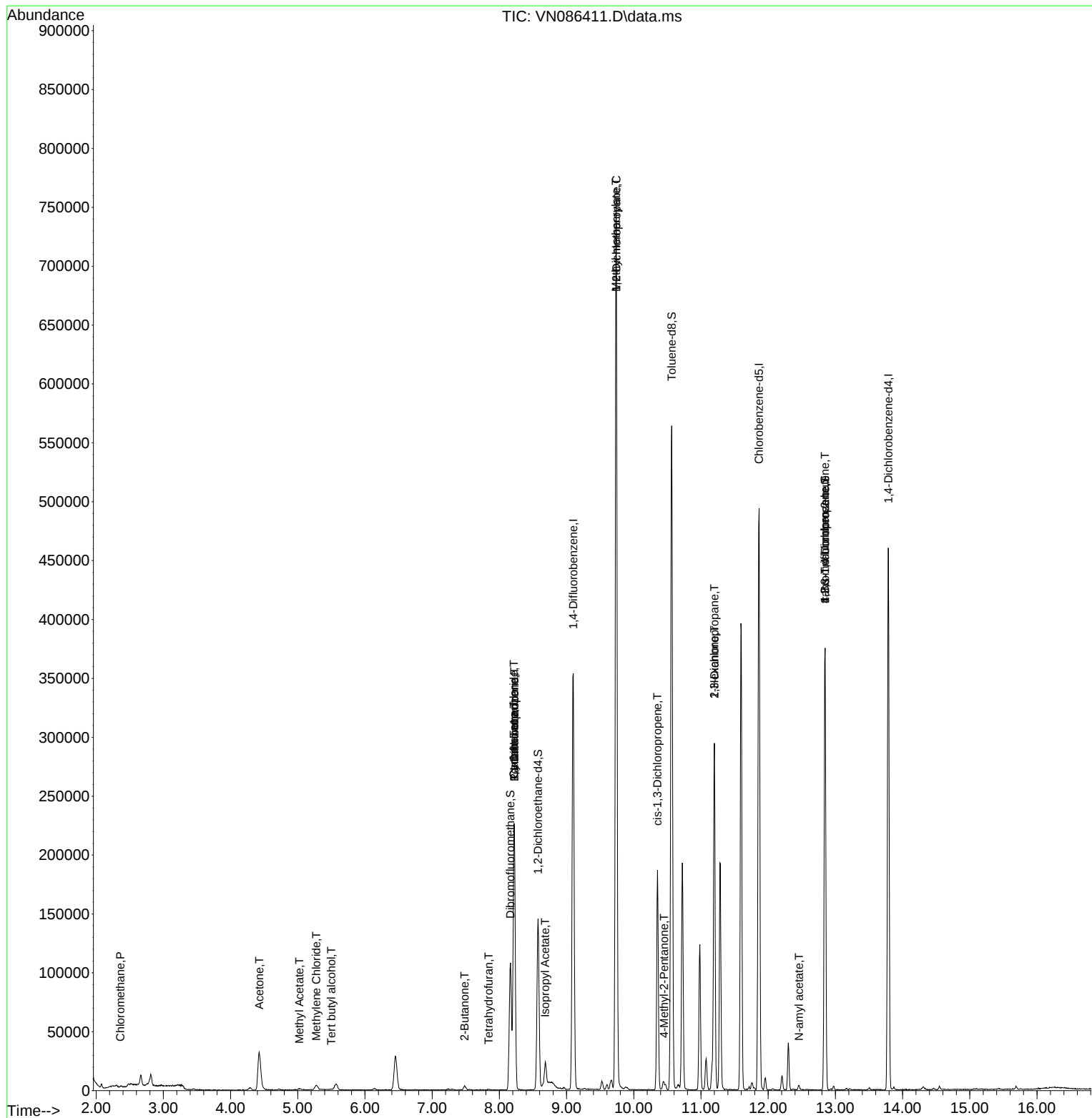
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120439	49.640	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.280%
35) Dibromofluoromethane	8.165	113	80448	54.612	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.220%
50) Toluene-d8	10.565	98	400959	50.929	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.860%
62) 4-Bromofluorobenzene	12.847	95	138364	48.184	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	797	0.276	ug/l #	84
11) Tert butyl alcohol	5.500	59	455	1.028	ug/l #	72
16) Acetone	4.430	43	63981	72.213	ug/l	96
18) Methyl Acetate	5.024	43	2932	1.007	ug/l #	76
20) Methylene Chloride	5.277	84	2952	1.316	ug/l #	82
25) 2-Butanone	7.483	43	6552	4.338	ug/l	98
29) Tetrahydrofuran	7.841	42	590	0.584	ug/l #	40
31) Cyclohexane	8.218	56	3980	1.012	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13832	4.701	ug/l #	50
38) Carbon Tetrachloride	8.218	117	17141	6.118	ug/l #	16
43) Isopropyl Acetate	8.683	43	33375	4.215	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	907	0.393	ug/l #	43
48) Methyl methacrylate	9.735	41	69025	25.375	ug/l #	43
51) 4-Methyl-2-Pentanone	10.453	43	5569	1.756	ug/l	91
54) cis-1,3-Dichloropropene	10.353	75	34064	8.749	ug/l #	62
57) 1,3-Dichloropropane	11.200	76	2963	0.789	ug/l #	43
59) 2-Hexanone	11.200	43	58071	24.682	ug/l #	42
74) N-amyl acetate	12.459	43	3883	0.777	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	71585	24.729	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71585	59.391	ug/l #	10

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

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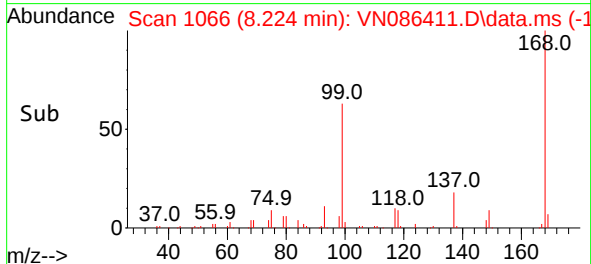
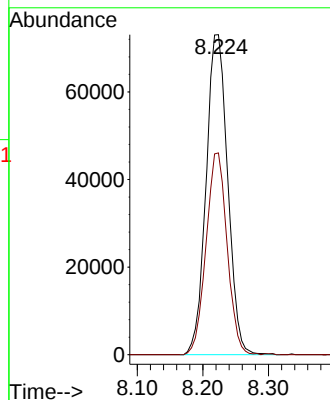
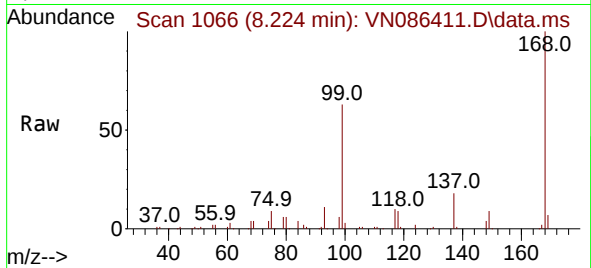




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

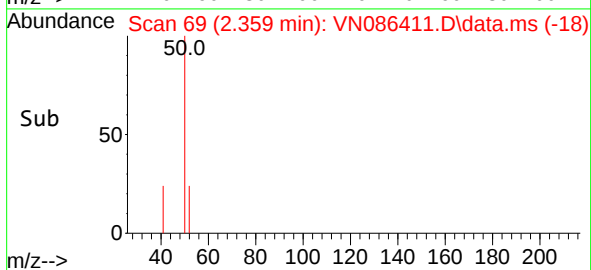
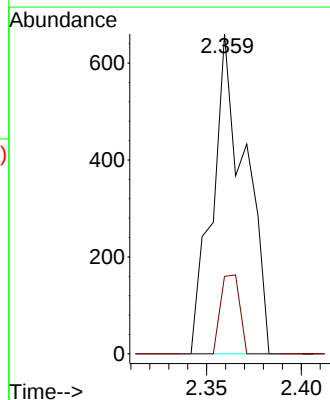
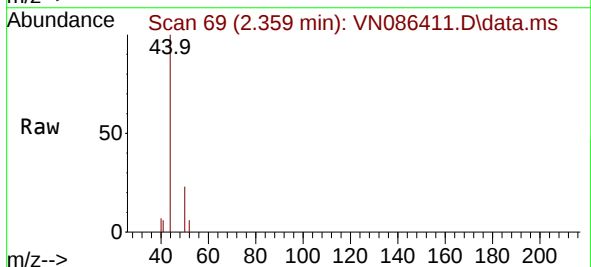
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#08

Tgt Ion:168 Resp: 167318
Ion Ratio Lower Upper
168 100
99 63.0 52.5 78.7



#3
Chloromethane
Concen: 0.276 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

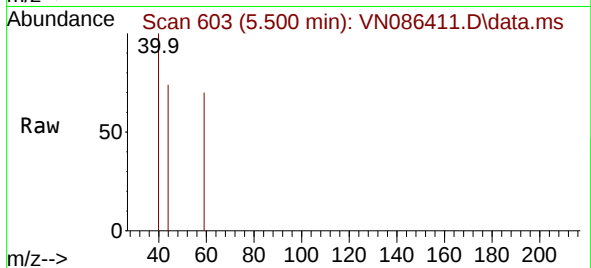
Tgt Ion: 50 Resp: 797
Ion Ratio Lower Upper
50 100
52 24.2 26.5 39.7#



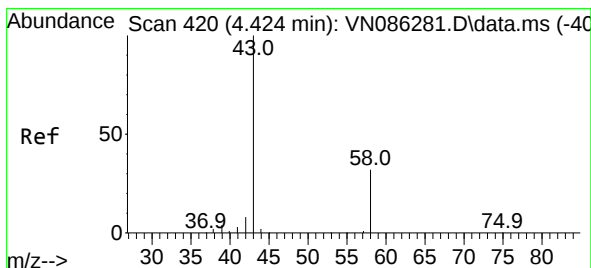
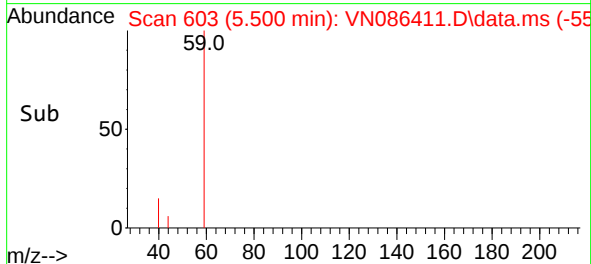
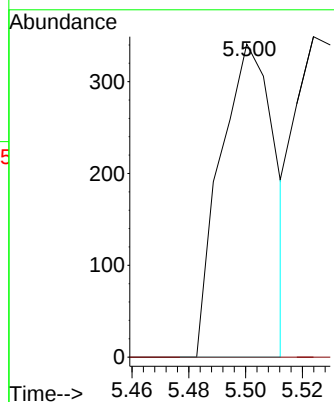


#11
Tert butyl alcohol
Concen: 1.028 ug/l
RT: 5.500 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#08

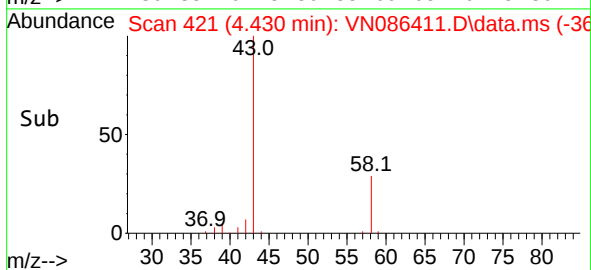
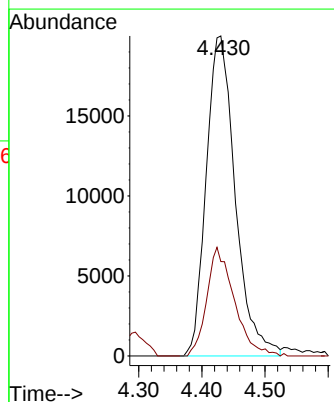
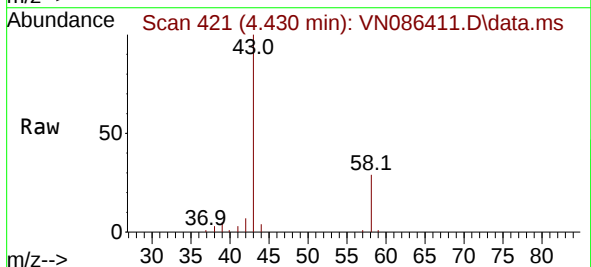


Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 72.213 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Tgt Ion: 43 Resp: 63981
Ion Ratio Lower Upper
43 100
58 29.5 25.3 37.9

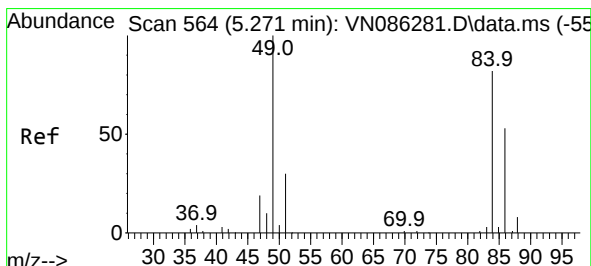
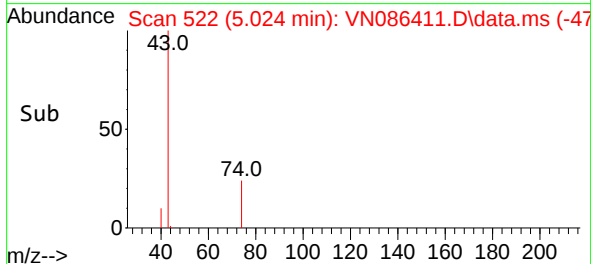
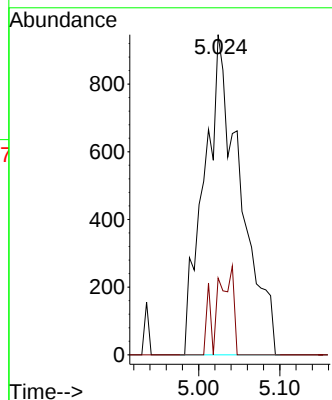
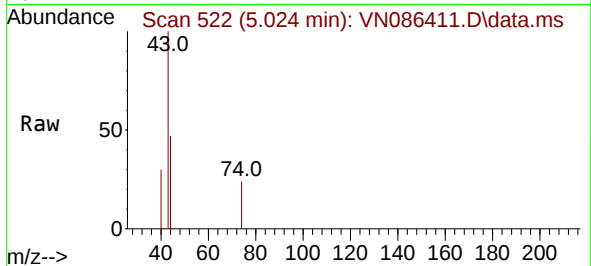




#18
Methyl Acetate
Concen: 1.007 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

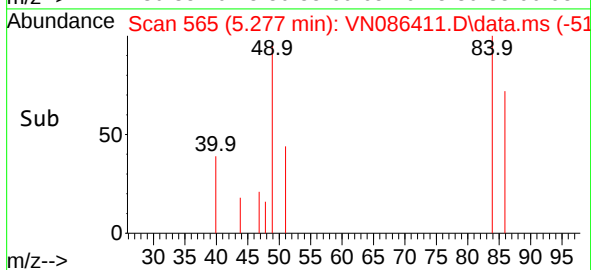
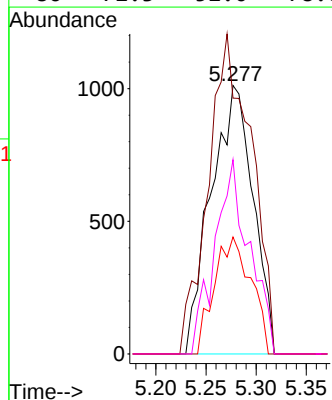
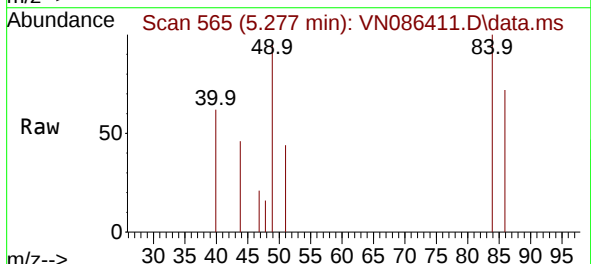
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#08

Tgt Ion: 43 Resp: 2932
Ion Ratio Lower Upper
43 100
74 13.0 19.8 29.6#



#20
Methylene Chloride
Concen: 1.316 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Tgt Ion: 84 Resp: 2952
Ion Ratio Lower Upper
84 100
49 95.3 98.2 147.2#
51 43.6 29.8 44.6
86 72.3 52.0 78.0

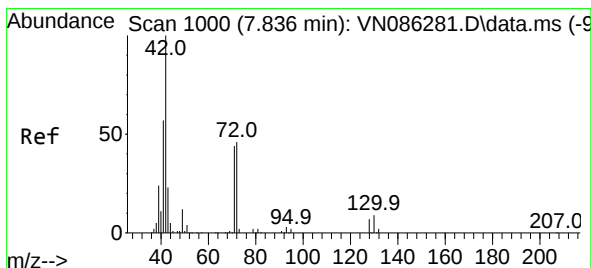
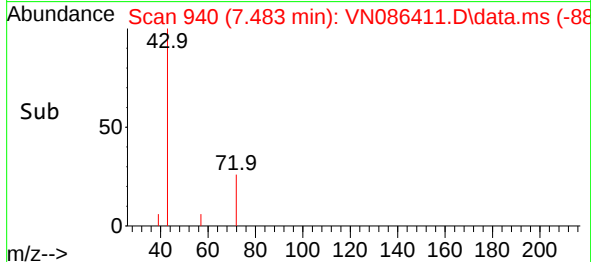
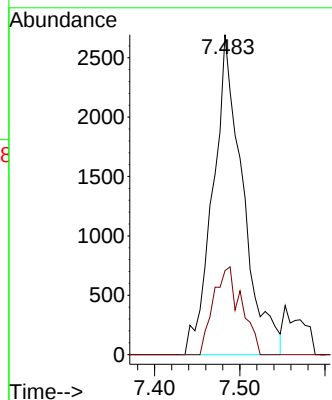
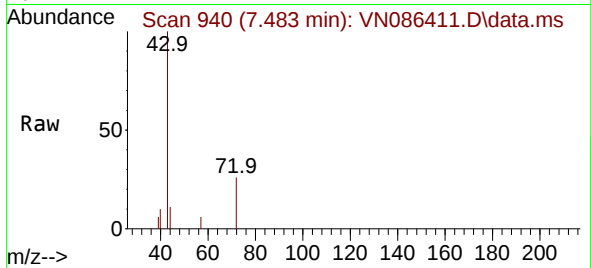




#25
2-Butanone
Concen: 4.338 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

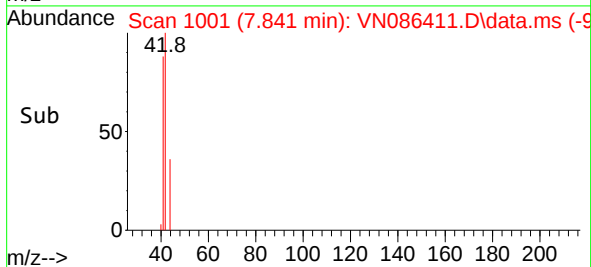
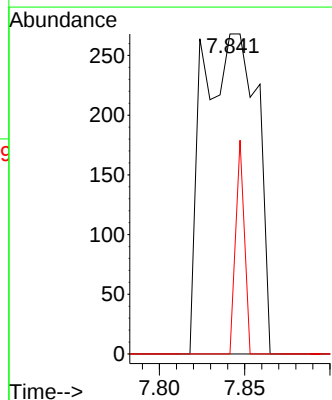
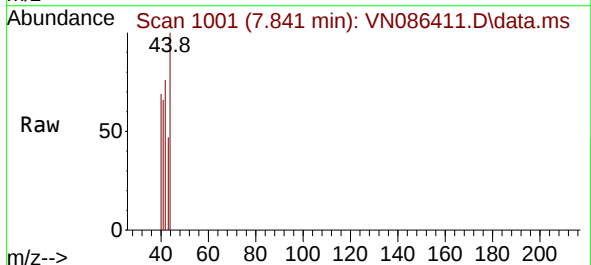
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#08

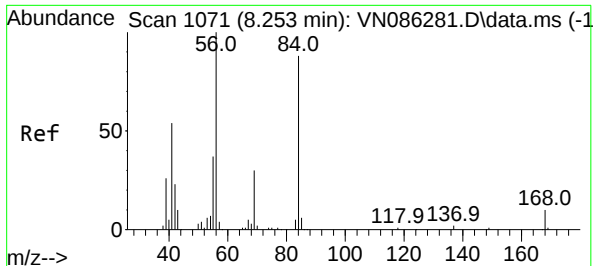
Tgt Ion: 43 Resp: 6552
Ion Ratio Lower Upper
43 100
72 26.2 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.584 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

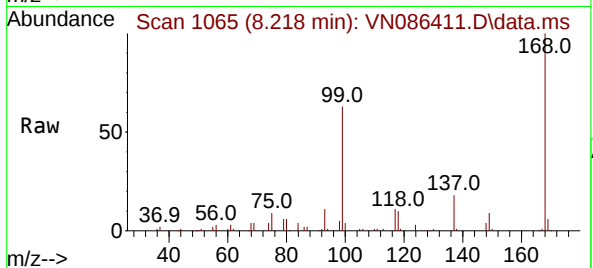
Tgt Ion: 42 Resp: 590
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 10.7 34.0 51.0#



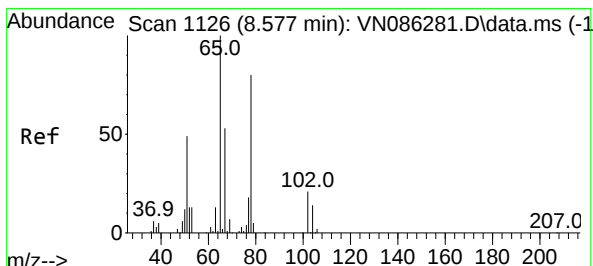
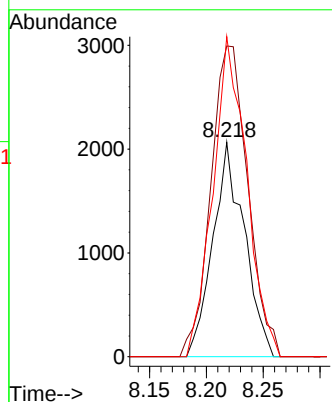
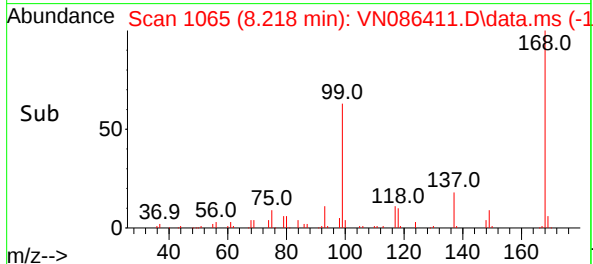


#31
Cyclohexane
Concen: 1.012 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086411.D
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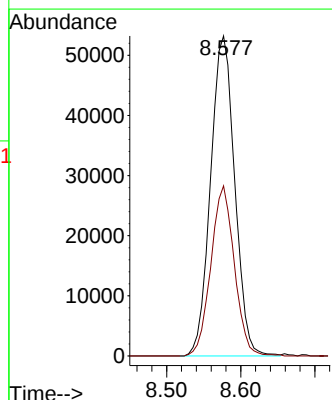
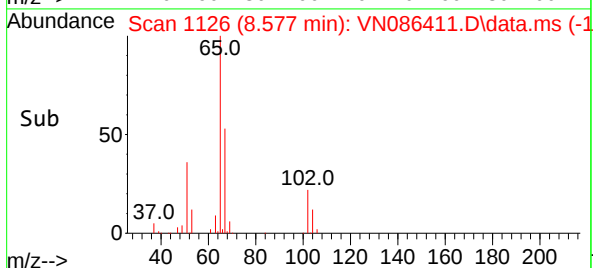
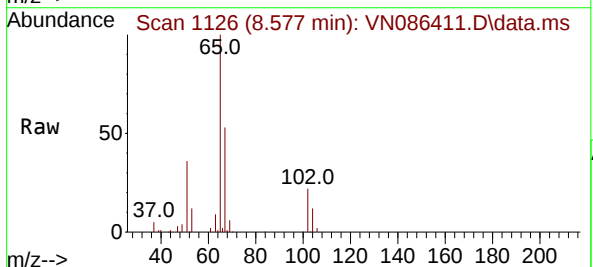


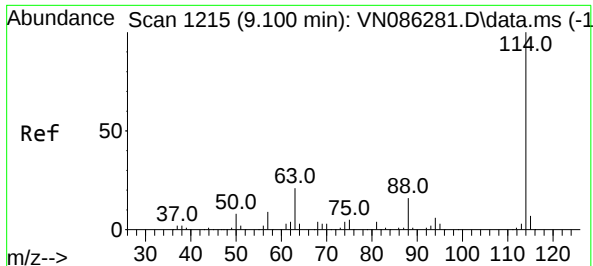
Tgt Ion: 56 Resp: 3980
Ion Ratio Lower Upper
56 100
69 144.9 24.2 36.2#
84 149.2 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.640 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Tgt Ion: 65 Resp: 120439
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086411.D

Acq: 28 Apr 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#08

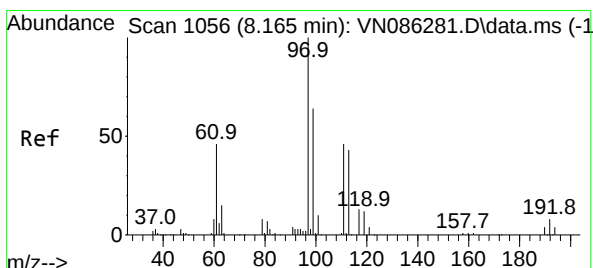
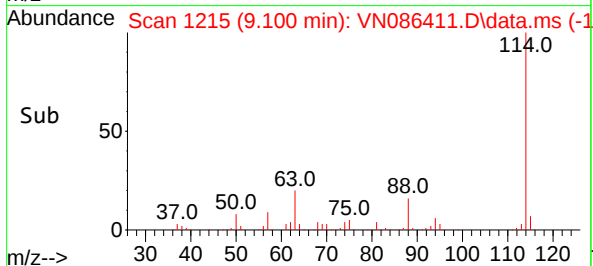
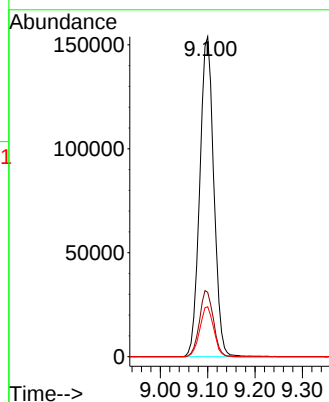
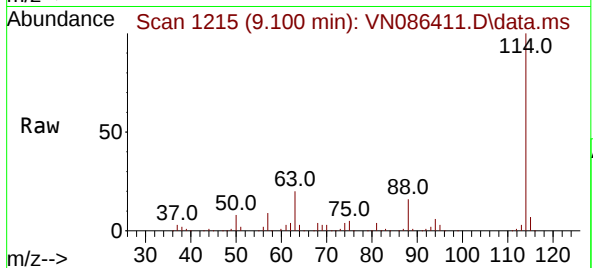
Tgt Ion:114 Resp: 317397

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.612 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086411.D

Acq: 28 Apr 2025 15:09

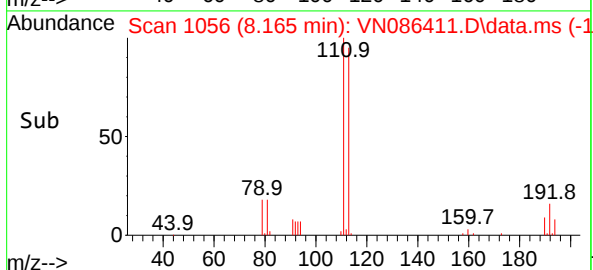
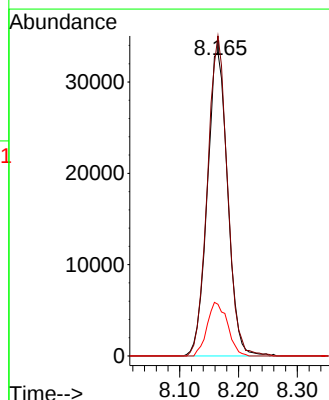
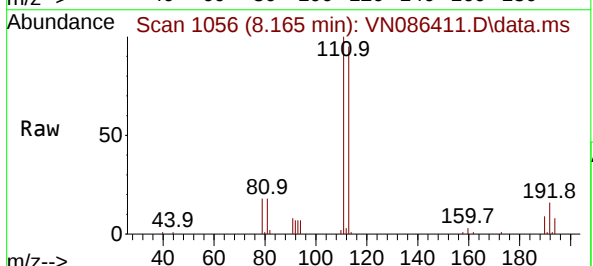
Tgt Ion:113 Resp: 80448

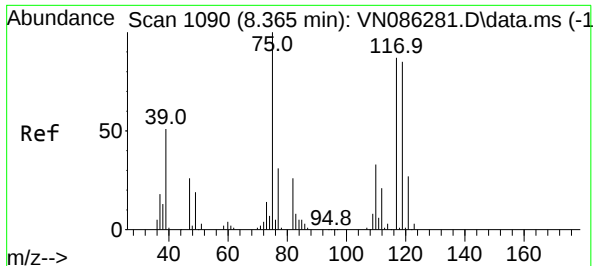
Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

192 17.6 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.701 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086411.D

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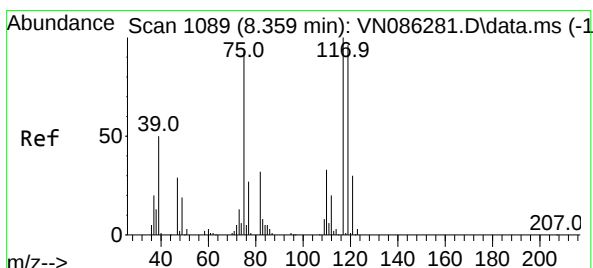
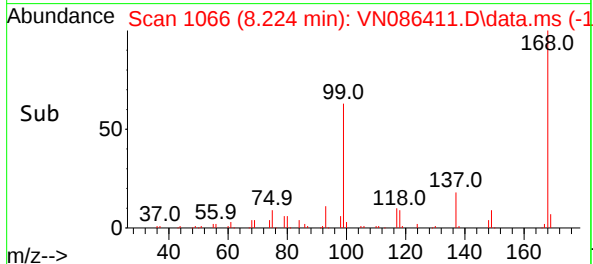
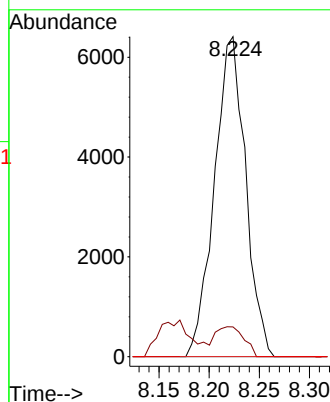
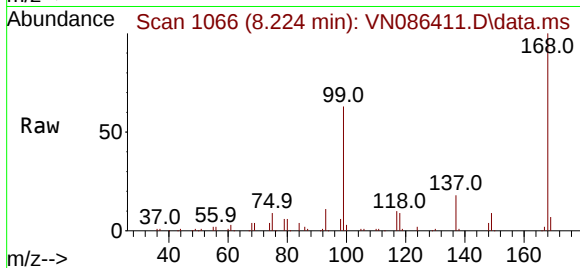
Tgt Ion: 75 Resp: 13832

Ion Ratio Lower Upper

75 100

110 8.5 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.118 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086411.D

Acq: 28 Apr 2025 15:09

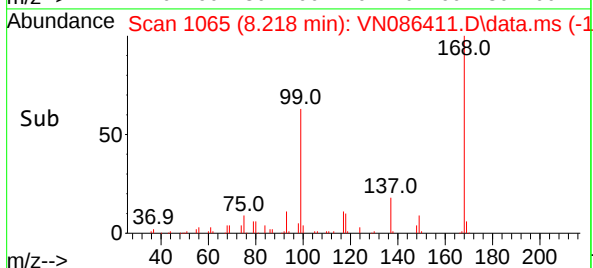
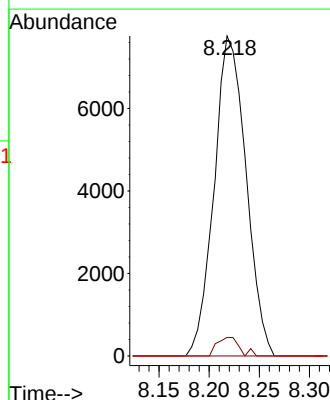
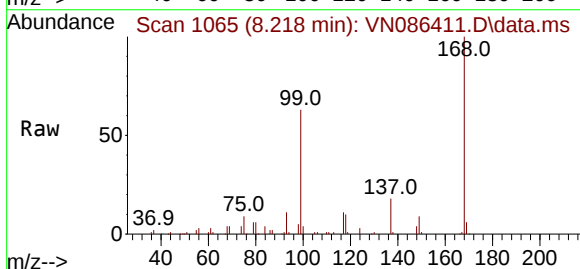
Tgt Ion: 117 Resp: 17141

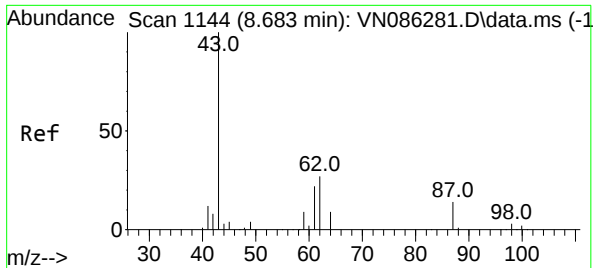
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 23.8 35.8#

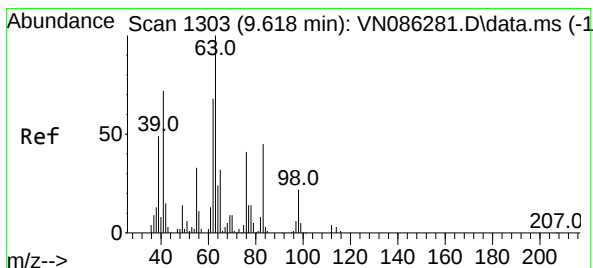
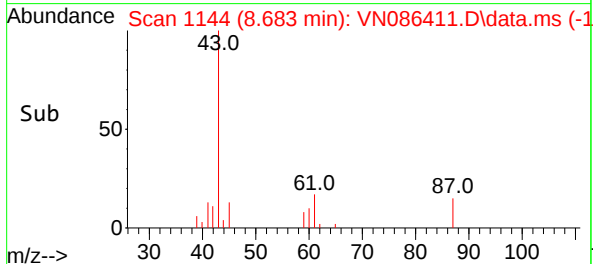
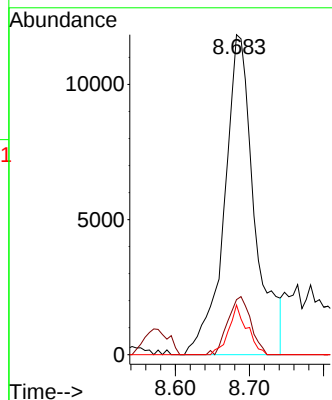
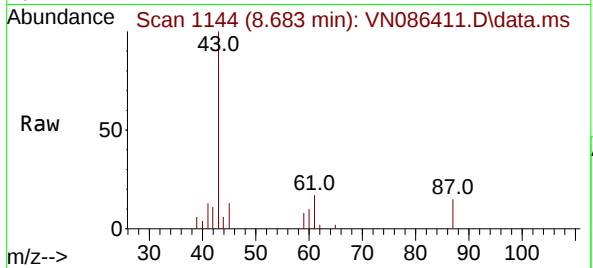




#43
Isopropyl Acetate
Concen: 4.215 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

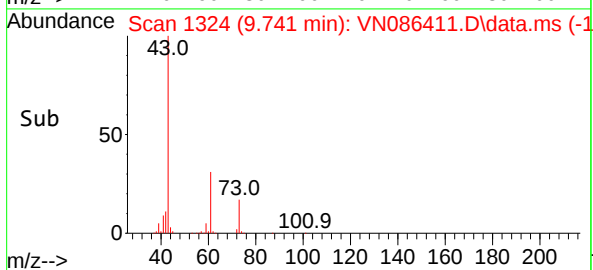
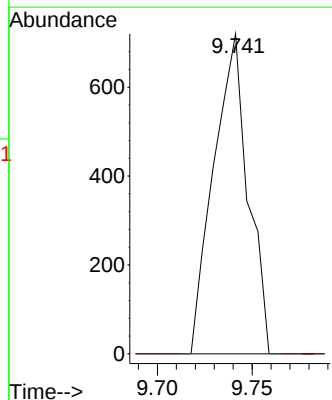
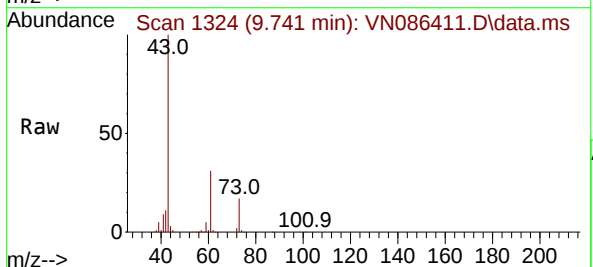
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#08

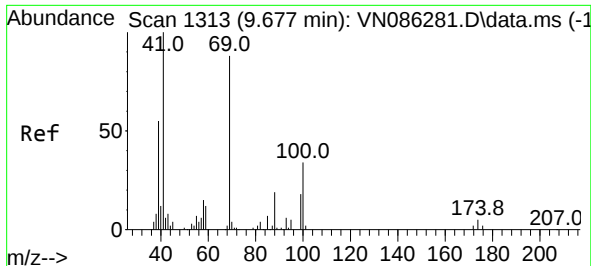
Tgt Ion: 43 Resp: 33375
Ion Ratio Lower Upper
43 100
61 13.8 20.5 30.7#
87 9.4 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.393 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Tgt Ion: 63 Resp: 907
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

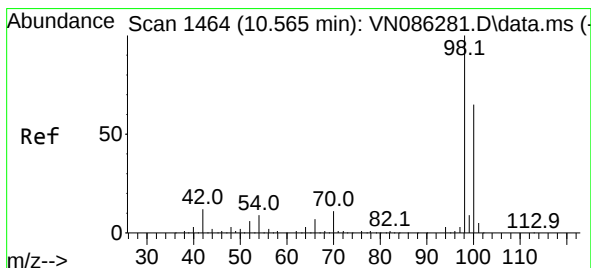
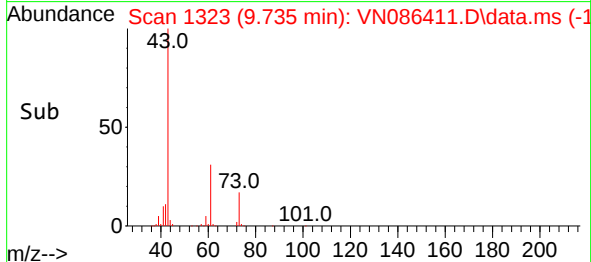
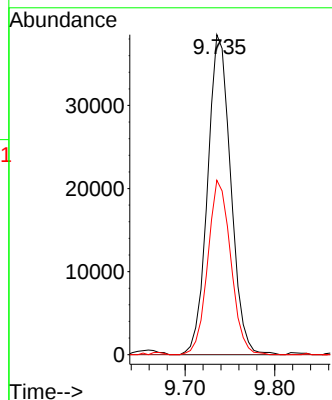
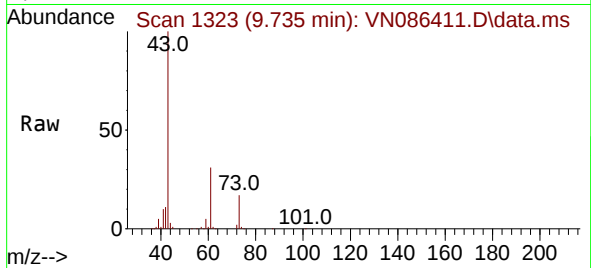




#48
Methyl methacrylate
Concen: 25.375 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

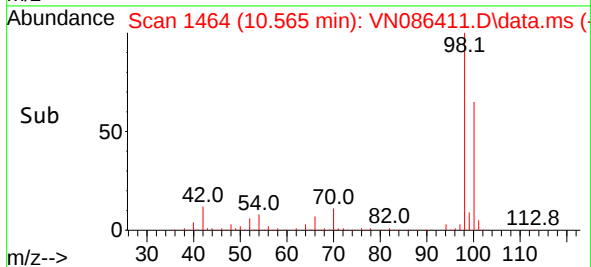
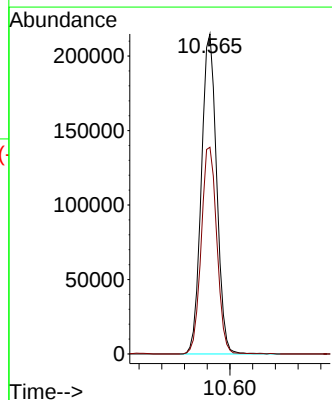
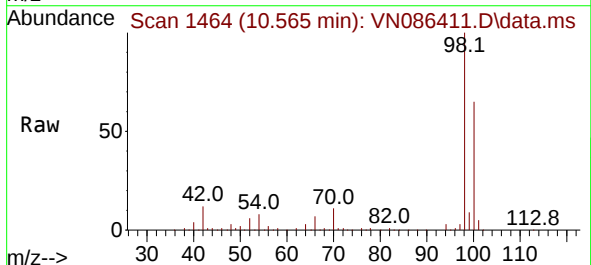
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#08

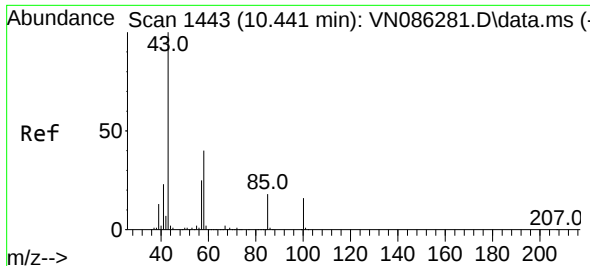
Tgt Ion: 41 Resp: 69025
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 54.1 45.2 67.8



#50
Toluene-d8
Concen: 50.929 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Tgt Ion: 98 Resp: 400959
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

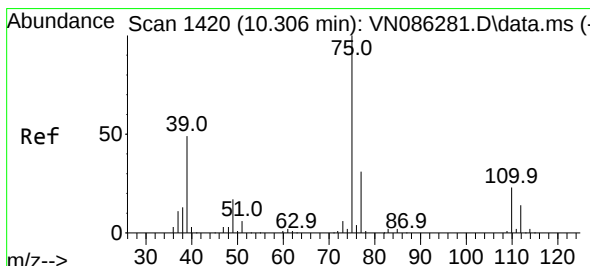
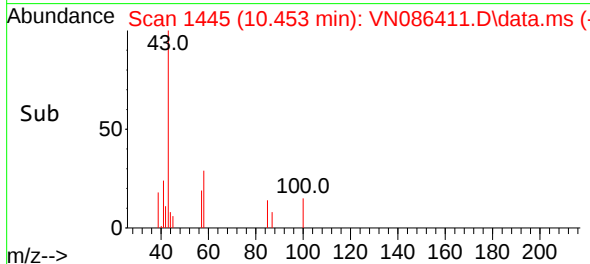
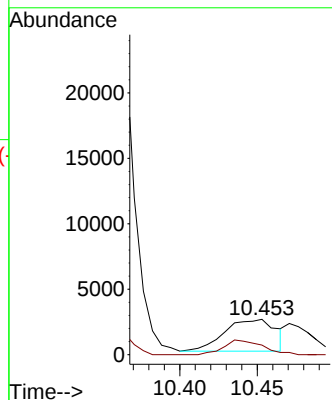
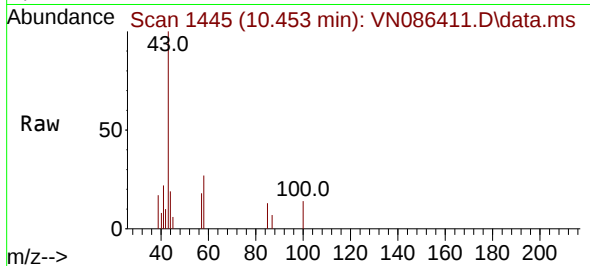




#51
4-Methyl-2-Pentanone
Concen: 1.756 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

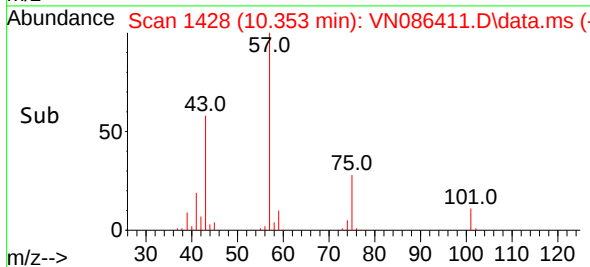
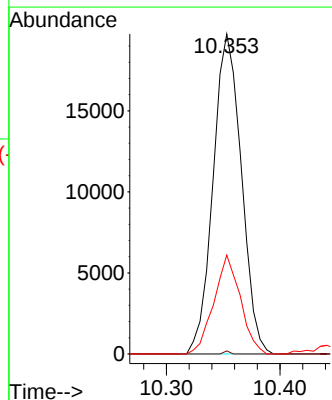
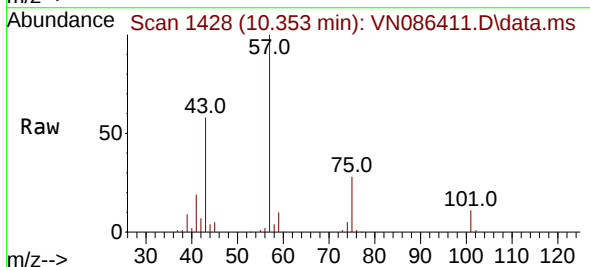
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#08

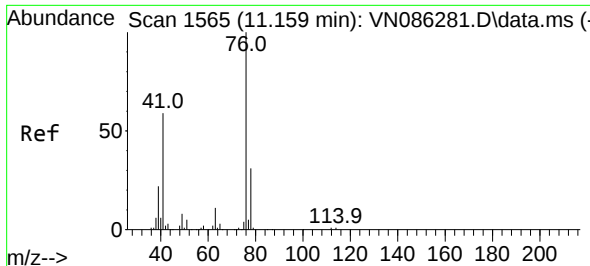
Tgt Ion: 43 Resp: 5569
Ion Ratio Lower Upper
43 100
58 35.0 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 8.749 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Tgt Ion: 75 Resp: 34064
Ion Ratio Lower Upper
75 100
77 1.0 25.2 37.8#
39 30.9 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.789 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086411.D

Acq: 28 Apr 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

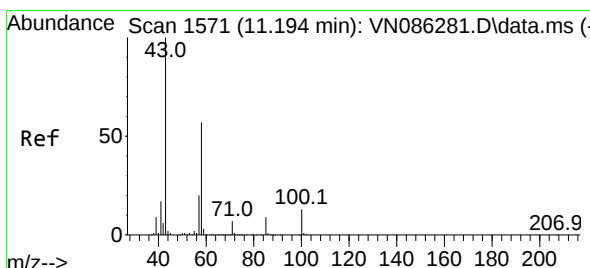
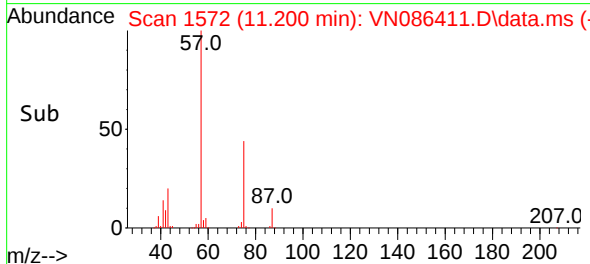
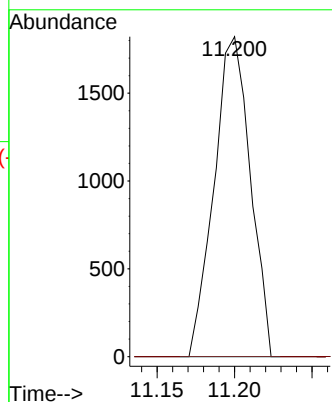
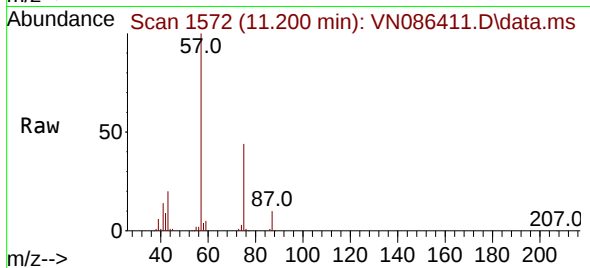
PB167744ZHE#08

Tgt Ion: 76 Resp: 2963

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 24.682 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086411.D

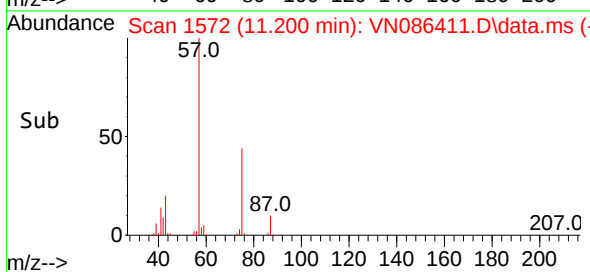
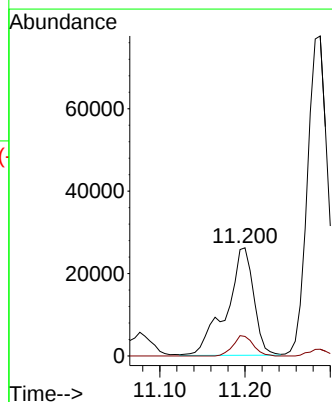
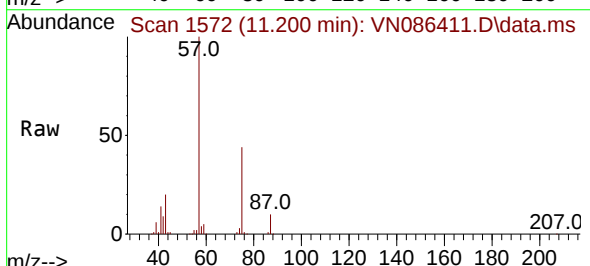
Acq: 28 Apr 2025 15:09

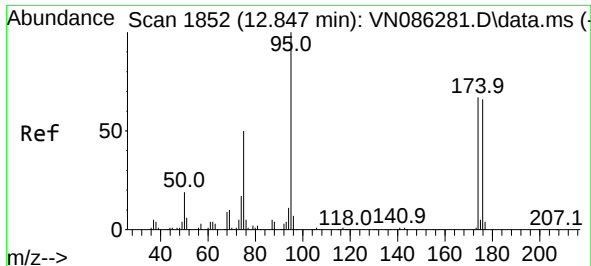
Tgt Ion: 43 Resp: 58071

Ion Ratio Lower Upper

43 100

58 14.0 28.3 85.0#

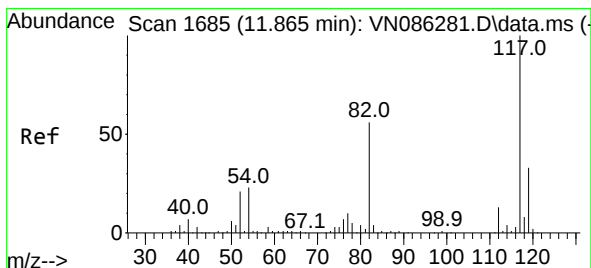
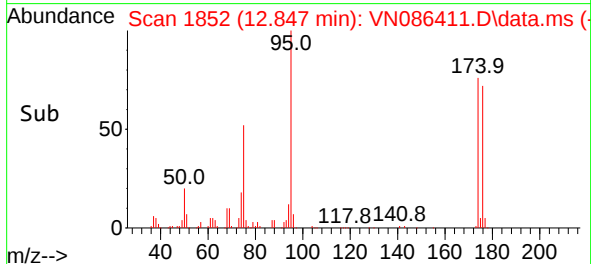
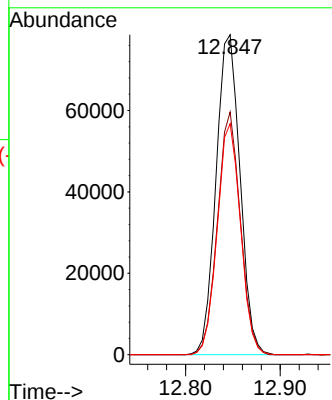
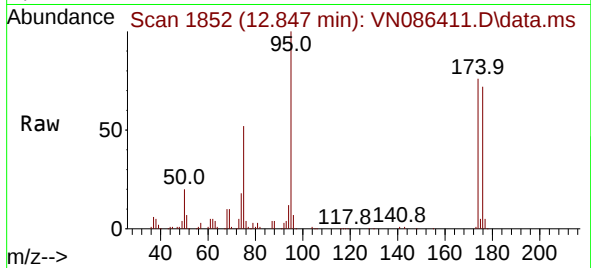




#62
4-Bromofluorobenzene
Concen: 48.184 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

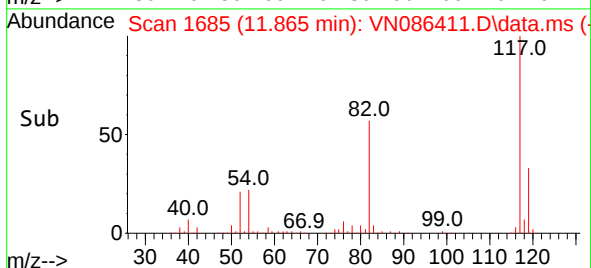
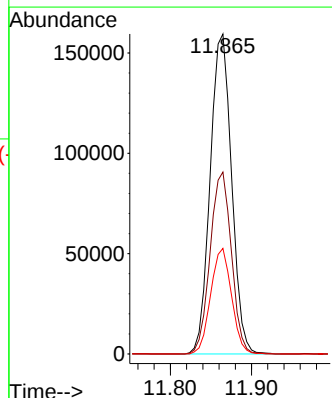
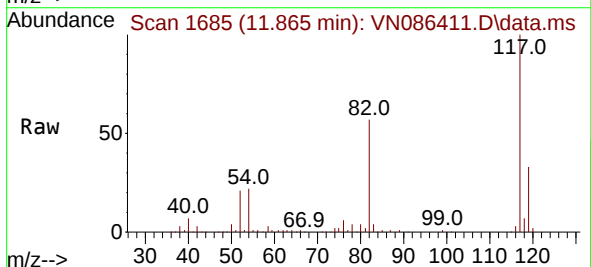
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#08

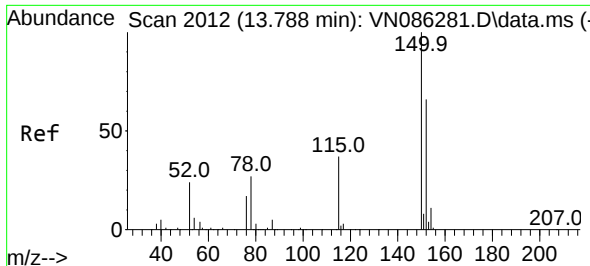
Tgt Ion: 95 Resp: 138364
Ion Ratio Lower Upper
95 100
174 72.7 0.0 133.4
176 69.9 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Tgt Ion: 117 Resp: 292440
Ion Ratio Lower Upper
117 100
82 56.9 44.7 67.1
119 33.0 26.4 39.6

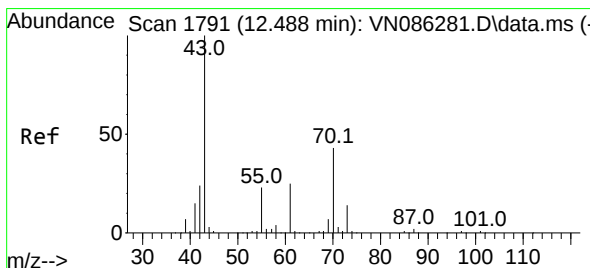
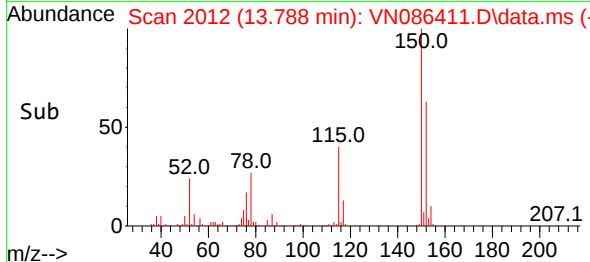
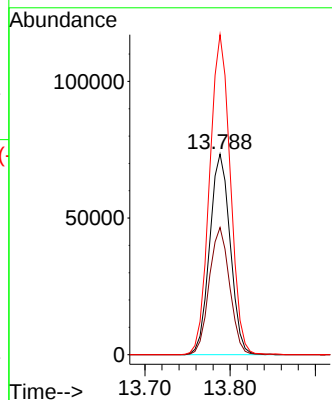
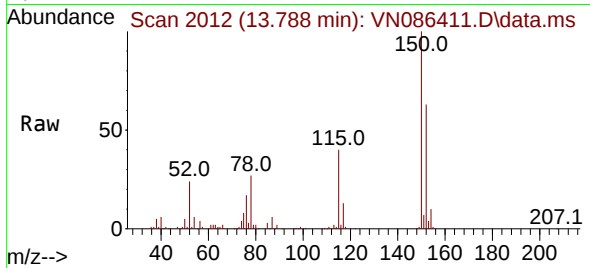




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086411.D
 Acq: 28 Apr 2025 15:09

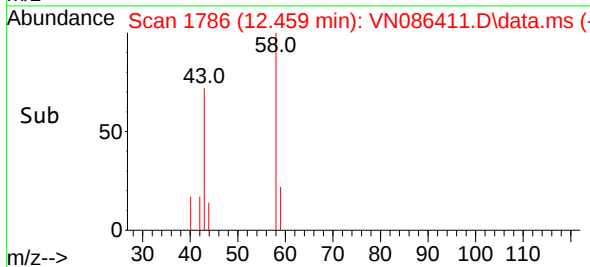
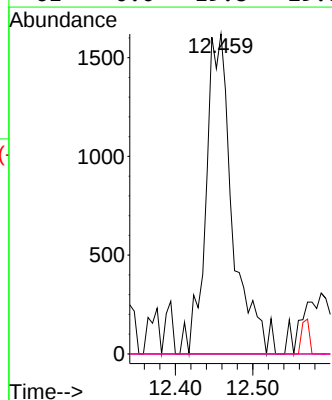
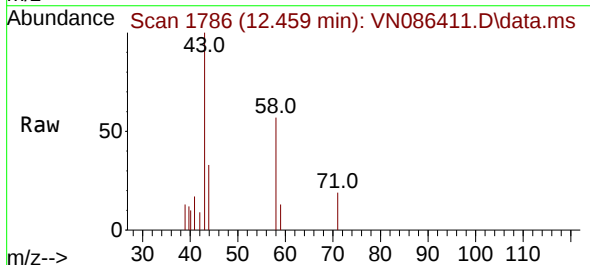
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#08

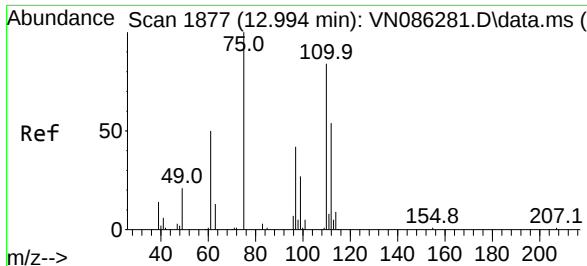
Tgt Ion:152 Resp: 122666
 Ion Ratio Lower Upper
 152 100
 115 63.2 31.9 95.9
 150 161.0 0.0 352.0



#74
 N-ethyl acetate
 Concen: 0.777 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.029 min
 Lab File: VN086411.D
 Acq: 28 Apr 2025 15:09

Tgt Ion: 43 Resp: 3883
 Ion Ratio Lower Upper
 43 100
 70 0.0 35.0 52.4#
 55 0.0 19.0 28.4#
 61 0.0 19.8 29.8#

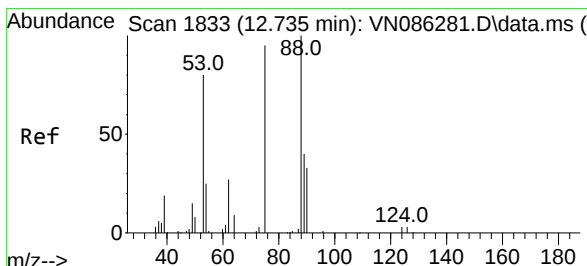
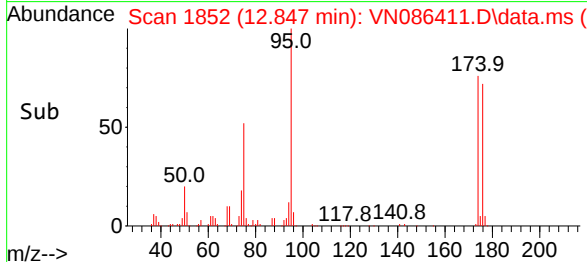
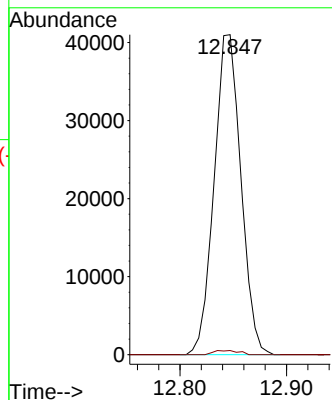
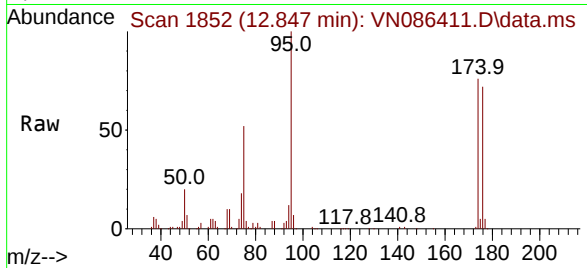




#76
1,2,3-Trichloropropane
Concen: 24.729 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#08

Tgt Ion: 75 Resp: 71585
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.391 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086411.D
Acq: 28 Apr 2025 15:09

Tgt Ion: 75 Resp: 71585
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

