

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086433.D
 Acq On : 30 Apr 2025 13:50
 Operator : JC\MD
 Sample : PB167775ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#03

Quant Time: May 01 01:34:21 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

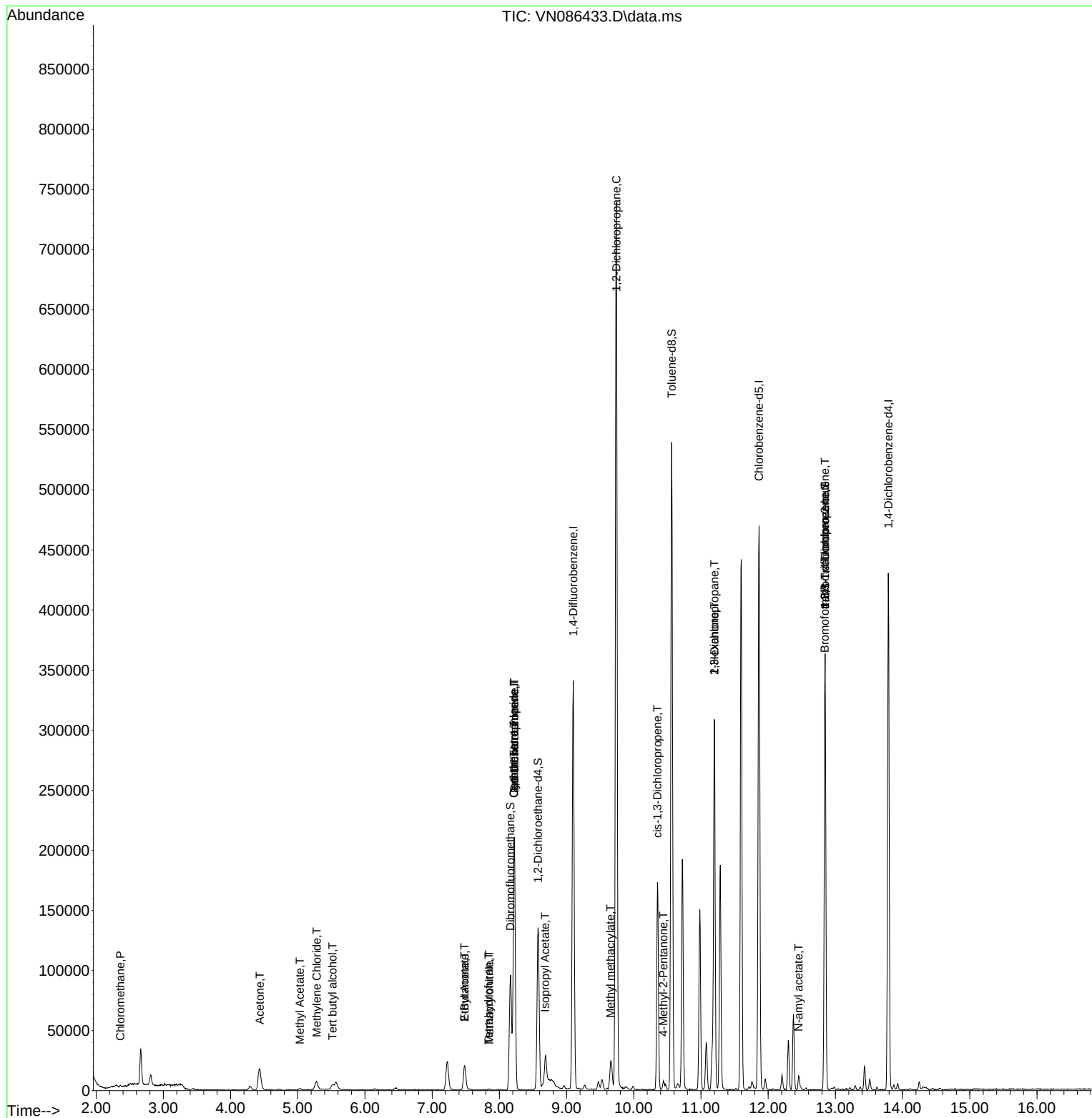
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	155440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	272591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113675	50.432	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.860%	
35) Dibromofluoromethane	8.165	113	71664	52.929	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.860%	
50) Toluene-d8	10.565	98	373699	51.643	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.280%	
62) 4-Bromofluorobenzene	12.847	95	127570	48.334	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.660%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	780	0.291	ug/l #	75
11) Tert butyl alcohol	5.518	59	7620	18.528	ug/l #	91
16) Acetone	4.436	43	35162	40.333	ug/l	97
18) Methyl Acetate	5.030	43	2641	0.976	ug/l #	75
20) Methylene Chloride	5.283	84	5474	2.627	ug/l #	89
25) 2-Butanone	7.482	43	35524	25.320	ug/l	97
29) Tetrahydrofuran	7.841	42	875	0.933	ug/l #	49
31) Cyclohexane	8.218	56	3829	1.048	ug/l #	24
36) 1,1-Dichloropropene	8.224	75	13298	4.917	ug/l #	50
37) Ethyl Acetate	7.482	43	35524	12.477	ug/l #	68
38) Carbon Tetrachloride	8.218	117	15490	6.015	ug/l #	15
41) Methacrylonitrile	7.853	41	437	0.265	ug/l #	23
43) Isopropyl Acetate	8.682	43	42928	6.656	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1023	0.482	ug/l #	43
48) Methyl methacrylate	9.653	41	4518	1.807	ug/l #	40
51) 4-Methyl-2-Pentanone	10.441	43	8131	2.789	ug/l #	71
54) cis-1,3-Dichloropropene	10.353	75	32663	9.128	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	3248	0.941	ug/l #	43
59) 2-Hexanone	11.200	43	80070	37.027	ug/l #	52
71) Bromoform	12.841	173	494	0.327	ug/l #	1
74) N-amyl acetate	12.453	43	8678	1.894	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	65679	24.734	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65679	59.402	ug/l #	10

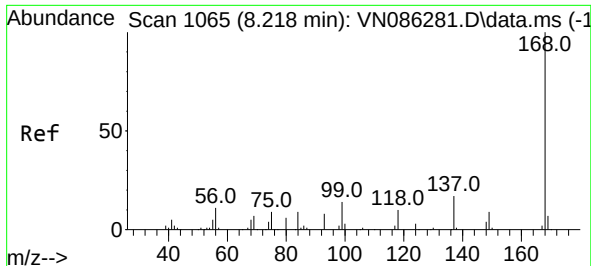
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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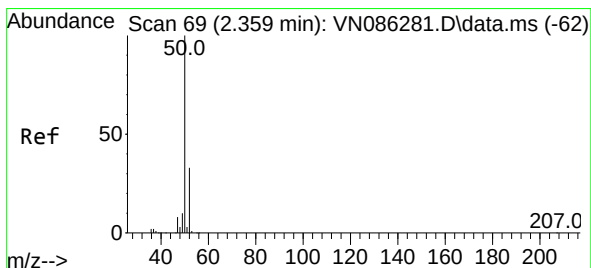
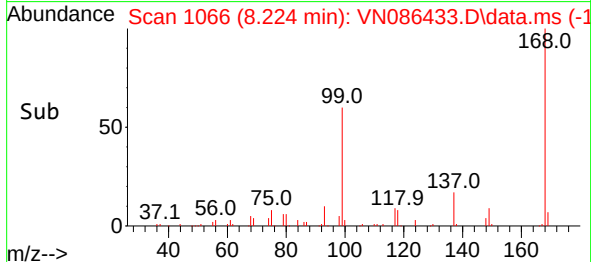
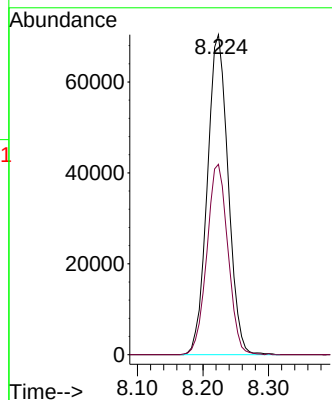
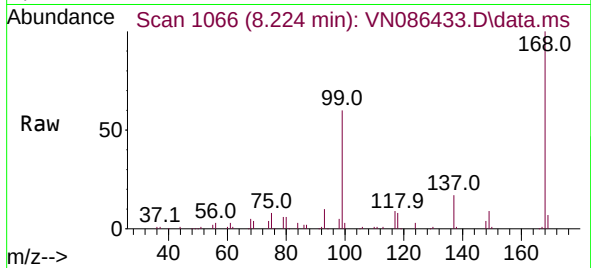




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

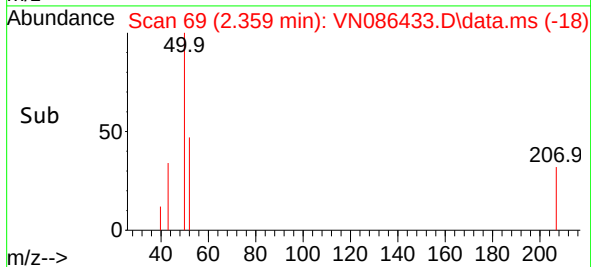
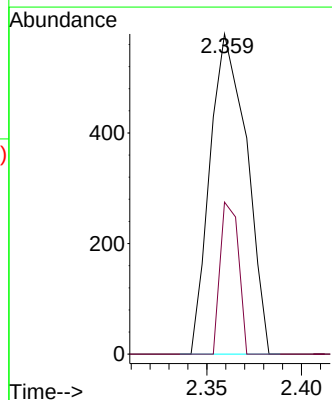
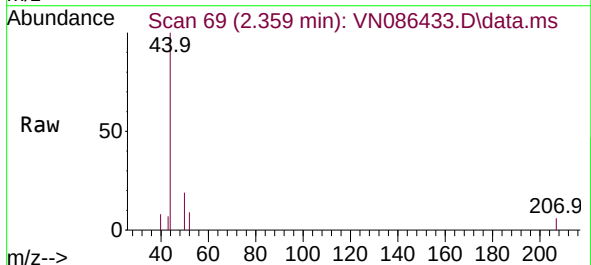
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

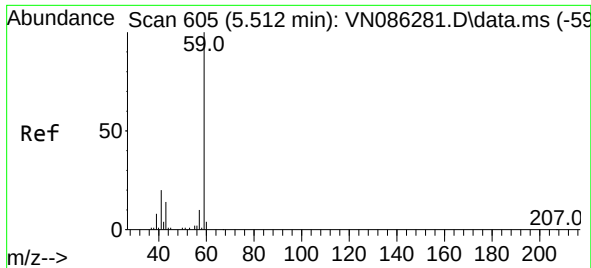
Tgt Ion:168 Resp: 155440
Ion Ratio Lower Upper
168 100
99 59.5 52.5 78.7



#3
Chloromethane
Concen: 0.291 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion: 50 Resp: 780
Ion Ratio Lower Upper
50 100
52 47.5 26.5 39.7#

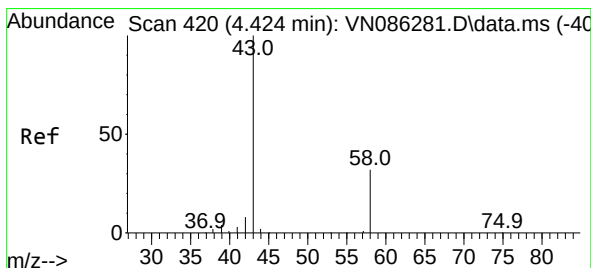
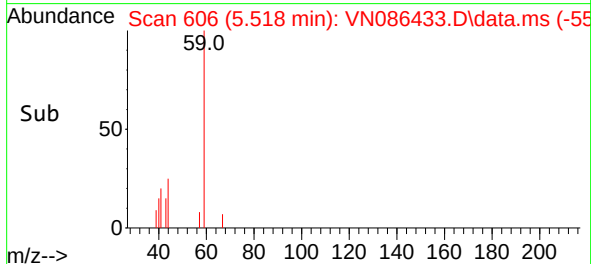
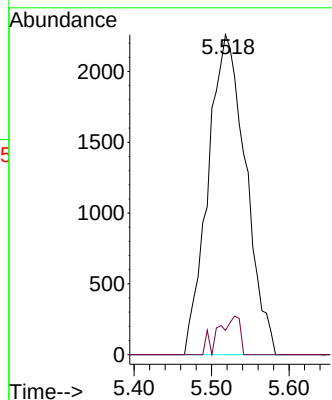
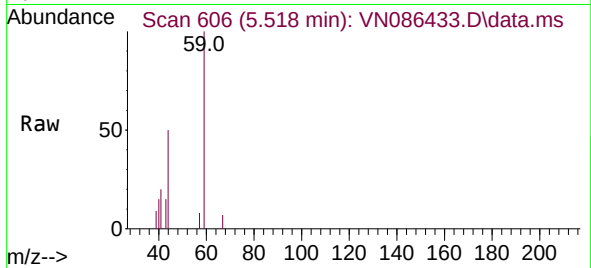




#11
Tert butyl alcohol
Concen: 18.528 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

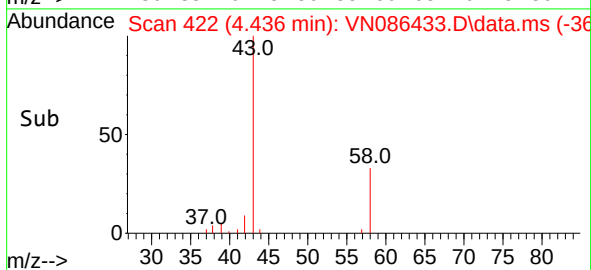
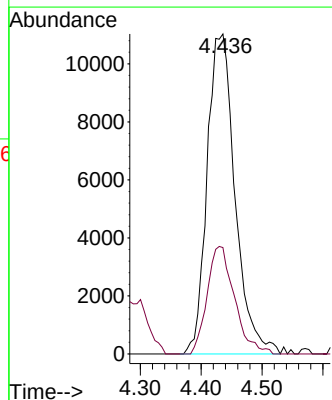
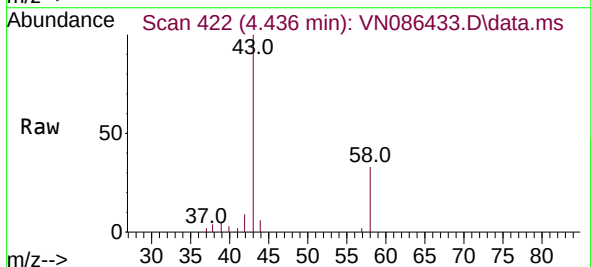
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

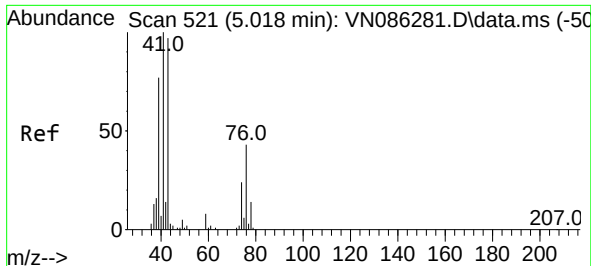
Tgt Ion: 59 Resp: 7620
Ion Ratio Lower Upper
59 100
57 6.9 8.3 12.5#



#16
Acetone
Concen: 40.333 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion: 43 Resp: 35162
Ion Ratio Lower Upper
43 100
58 33.3 25.3 37.9

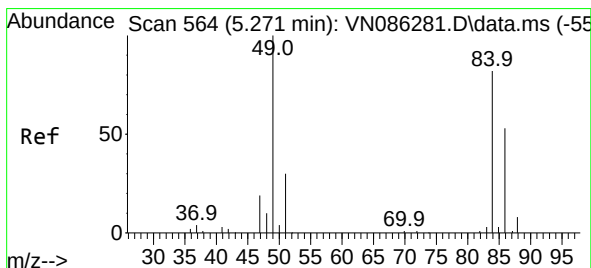
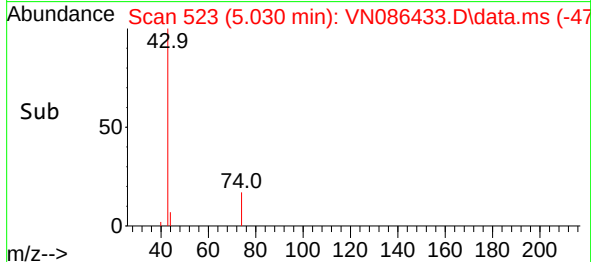
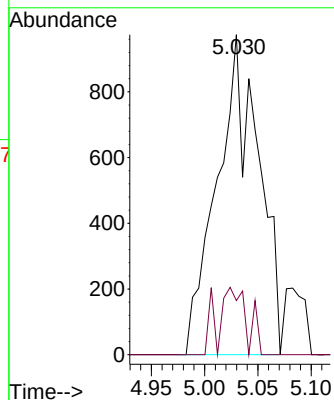
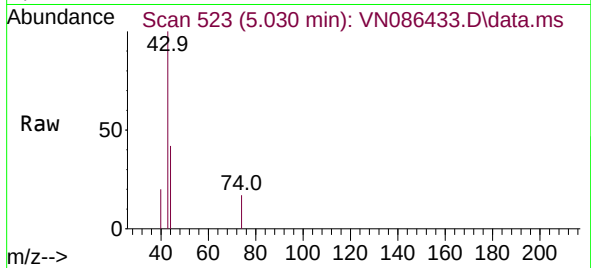




#18
Methyl Acetate
Concen: 0.976 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

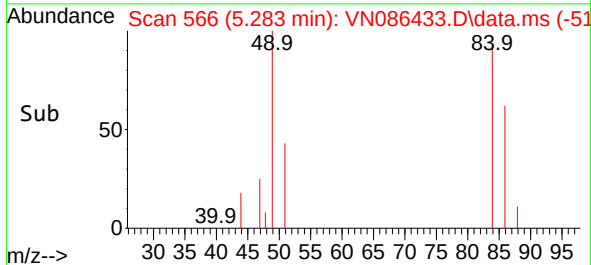
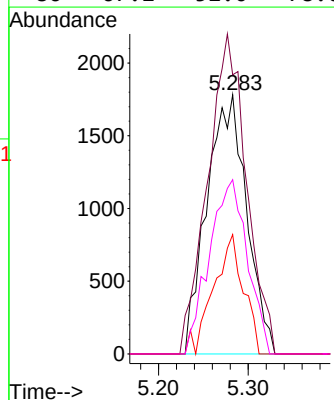
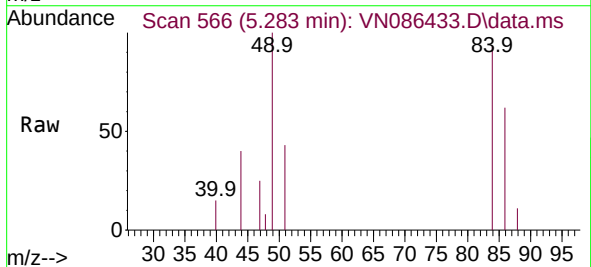
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

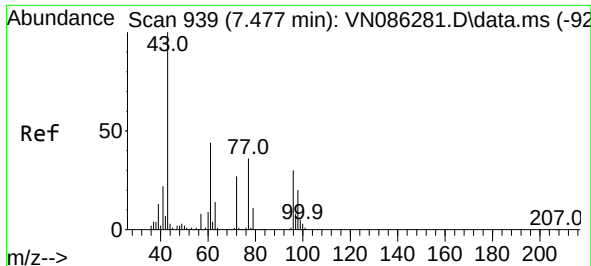
Tgt Ion: 43 Resp: 2641
Ion Ratio Lower Upper
43 100
74 12.0 19.8 29.6#



#20
Methylene Chloride
Concen: 2.627 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion: 84 Resp: 5474
Ion Ratio Lower Upper
84 100
49 107.7 98.2 147.2
51 46.1 29.8 44.6#
86 67.2 52.0 78.0

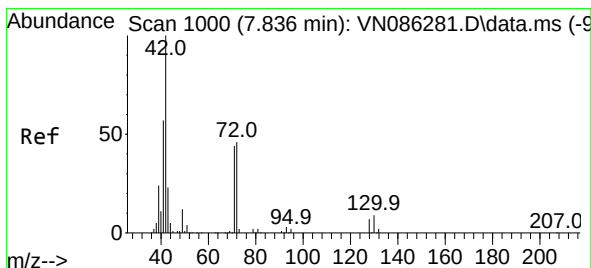
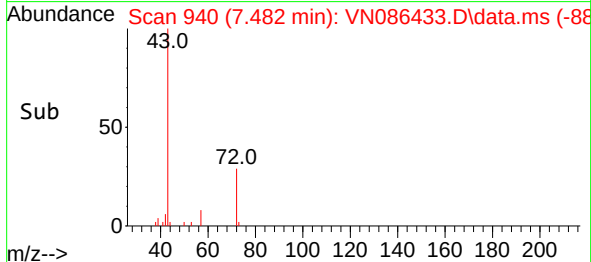
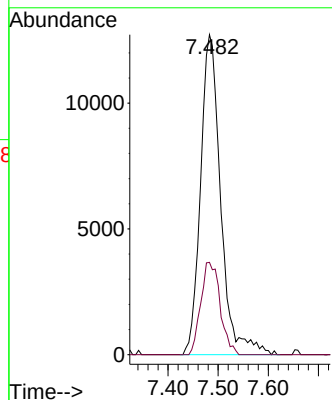
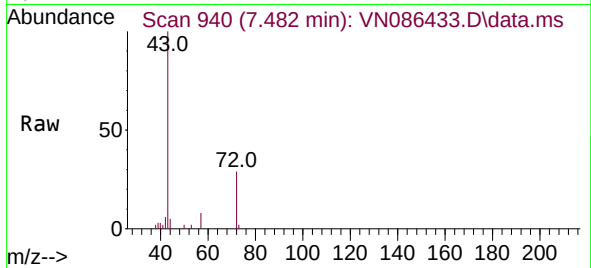




#25
2-Butanone
Concen: 25.320 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

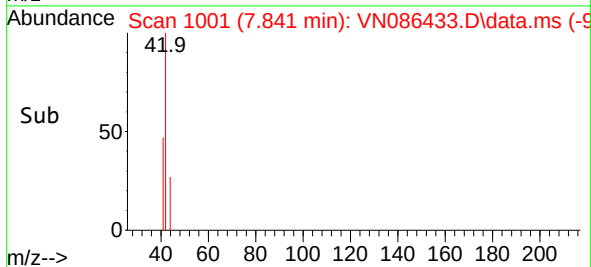
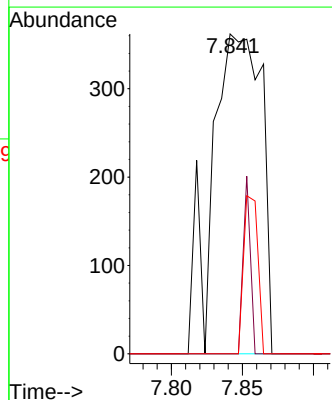
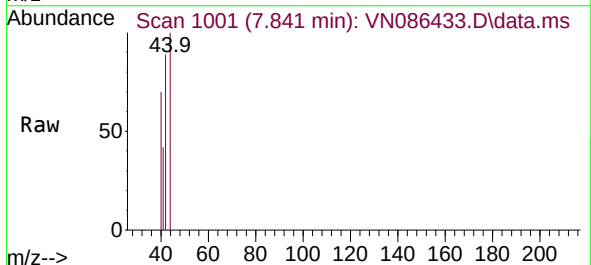
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

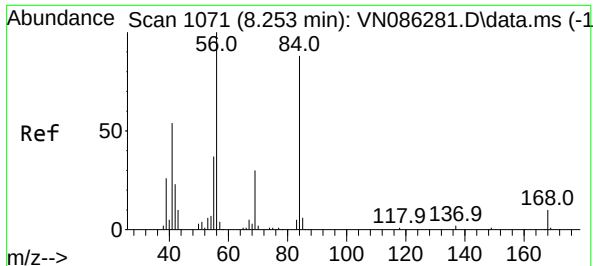
Tgt Ion: 43 Resp: 35524
Ion Ratio Lower Upper
43 100
72 28.8 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.933 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

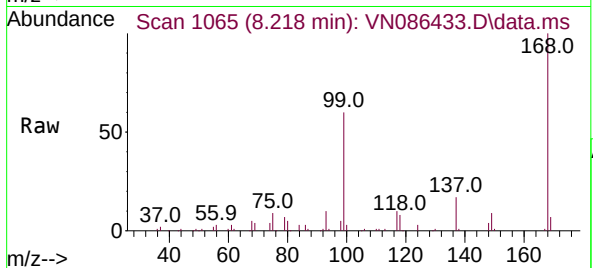
Tgt Ion: 42 Resp: 875
Ion Ratio Lower Upper
42 100
72 8.1 36.2 54.4#
71 14.2 34.0 51.0#



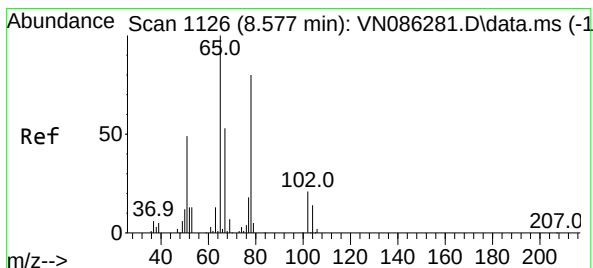
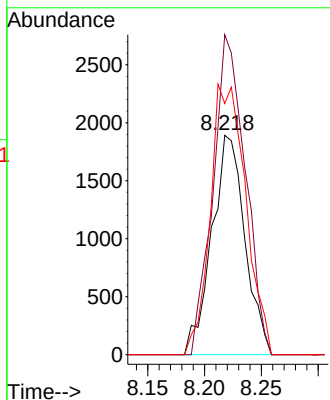
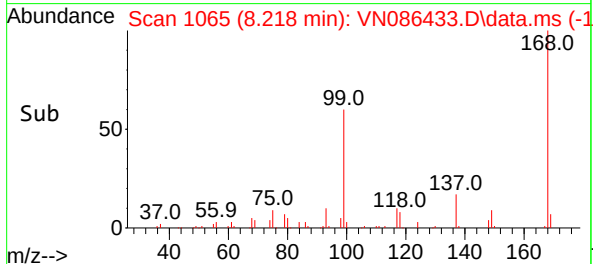


#31
Cyclohexane
Concen: 1.048 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

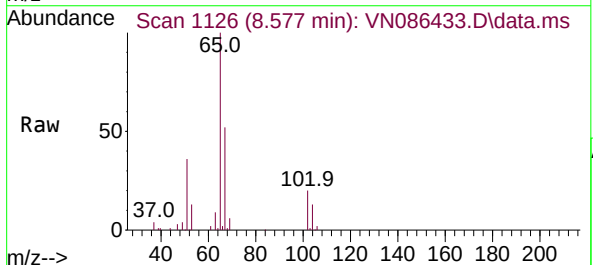
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03



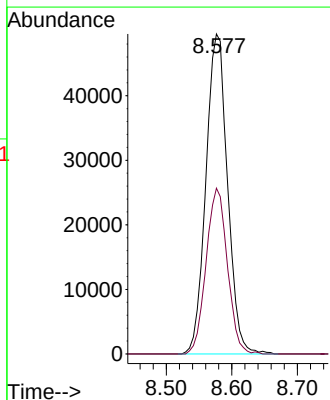
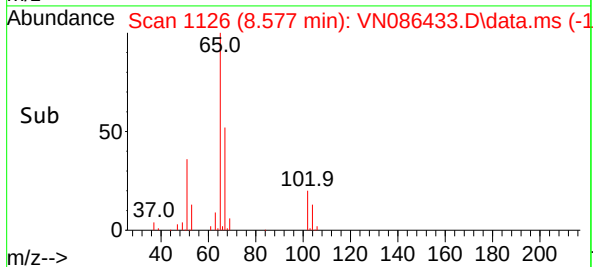
Tgt Ion: 56 Resp: 3829
Ion Ratio Lower Upper
56 100
69 145.9 24.2 36.2#
84 114.5 70.3 105.5#

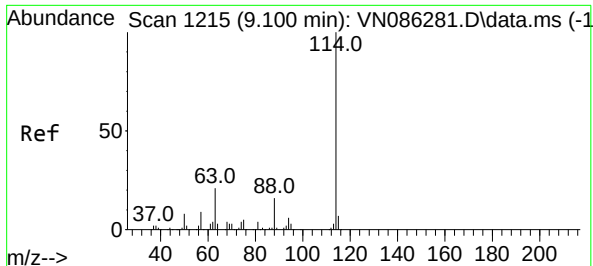


#33
1,2-Dichloroethane-d4
Concen: 50.432 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50



Tgt Ion: 65 Resp: 113675
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.0

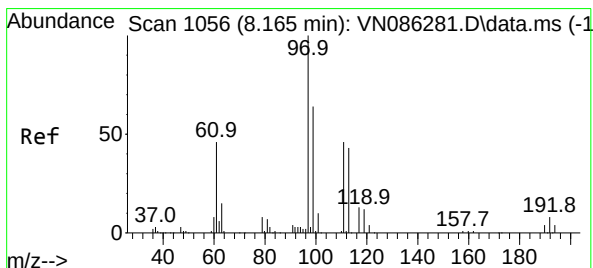
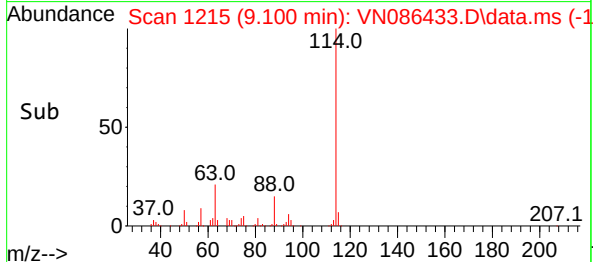
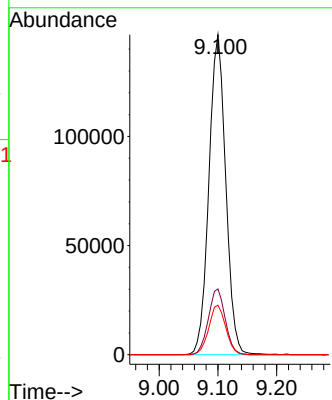
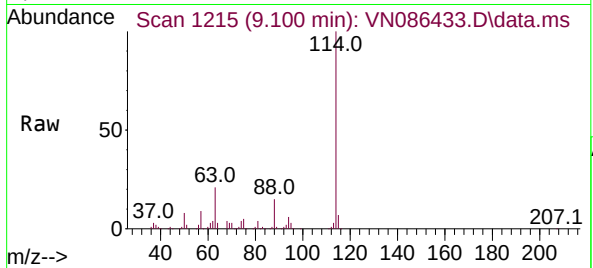




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

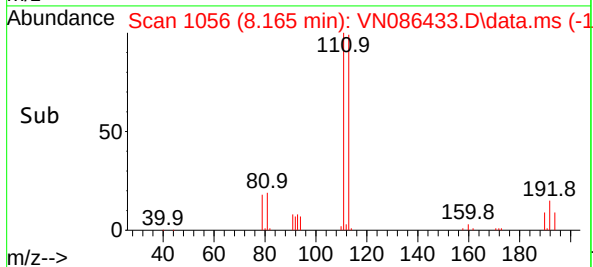
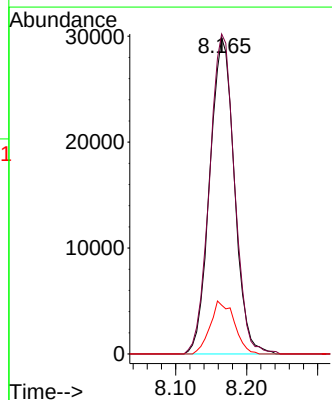
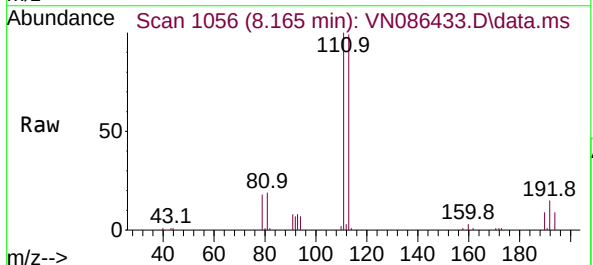
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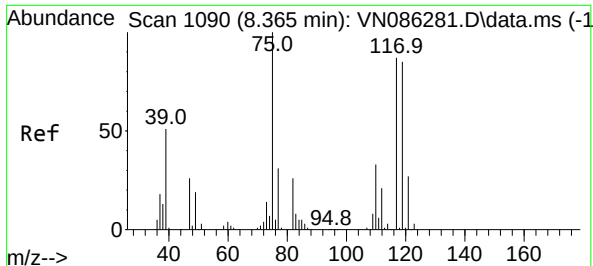
Tgt Ion:114 Resp: 291732
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.929 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion:113 Resp: 71664
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.0
192 16.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.917 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN086433.D

Acq: 30 Apr 2025 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#03

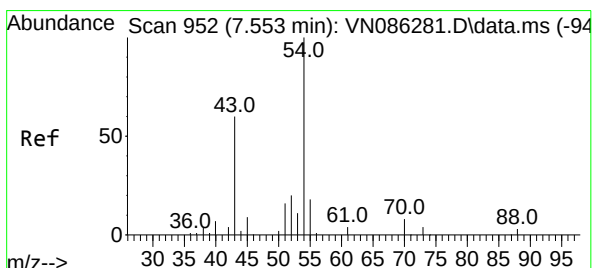
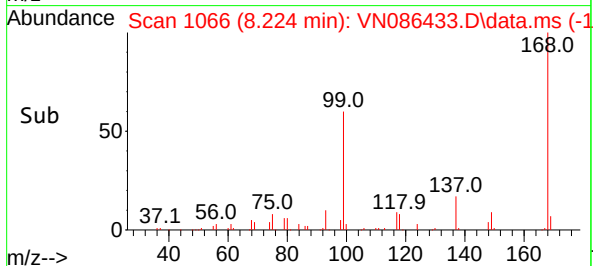
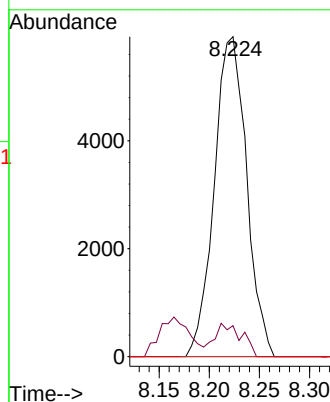
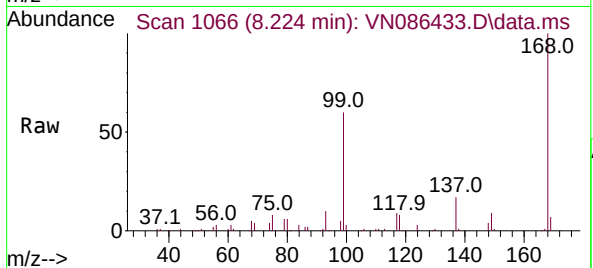
Tgt Ion: 75 Resp: 13298

Ion Ratio Lower Upper

75 100

110 8.7 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 12.477 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.071 min

Lab File: VN086433.D

Acq: 30 Apr 2025 13:50

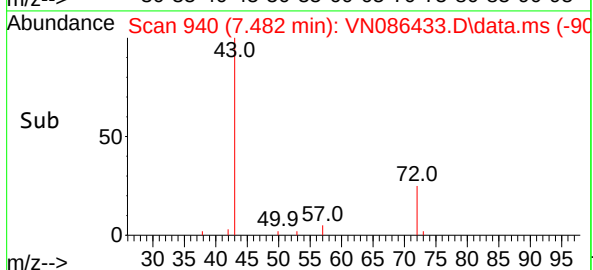
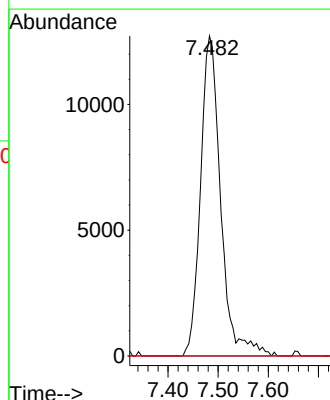
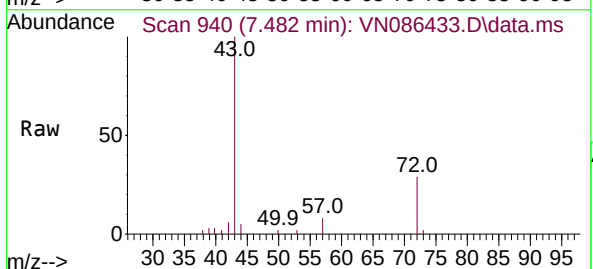
Tgt Ion: 43 Resp: 35524

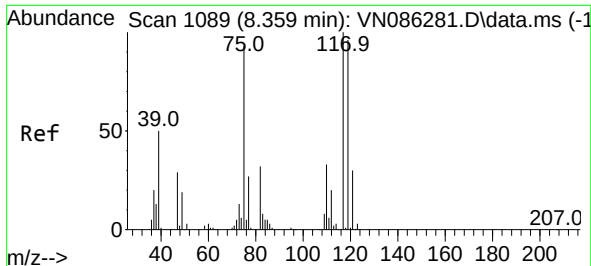
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

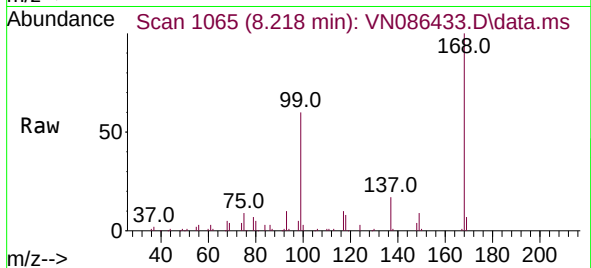
70 0.0 9.2 13.8#



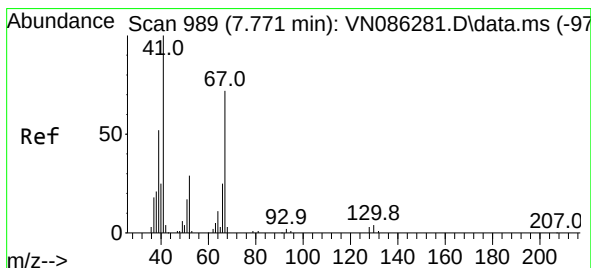
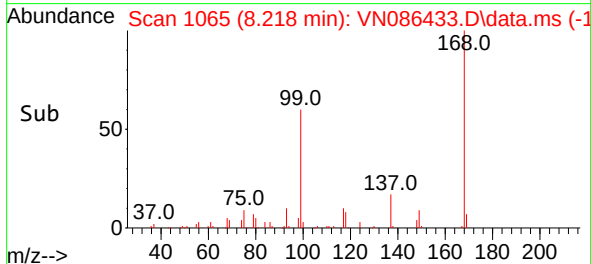
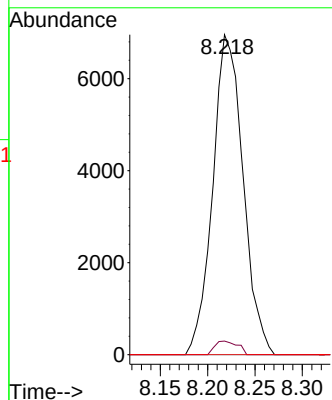


#38
Carbon Tetrachloride
Concen: 6.015 ug/l
RT: 8.218 min Scan# 1003
Delta R.T. -0.141 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

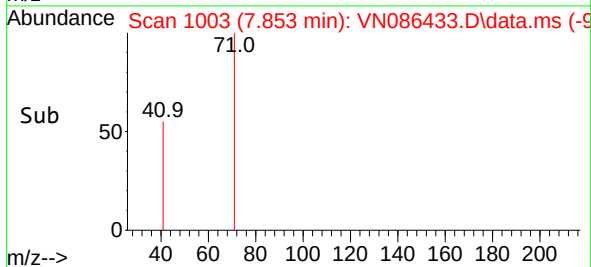
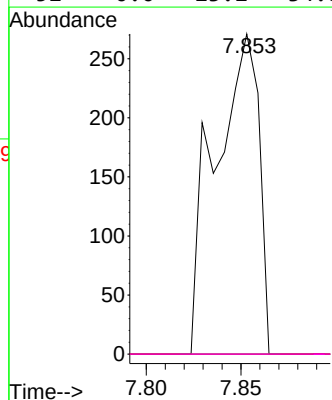
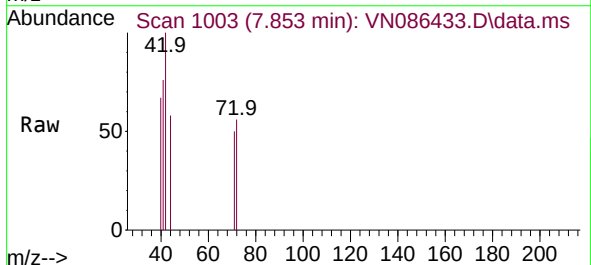


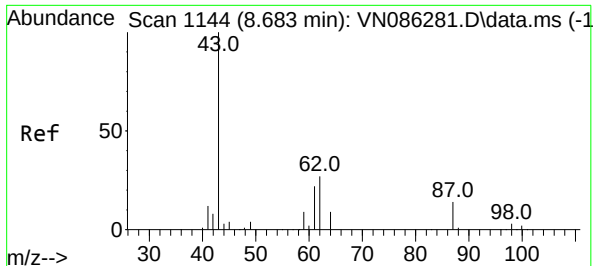
Tgt Ion: 117 Resp: 15490
Ion Ratio Lower Upper
117 100
119 4.3 76.8 115.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 0.265 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.082 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion: 41 Resp: 437
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.4#
67 0.0 58.8 88.2#
52 0.0 23.2 34.8#

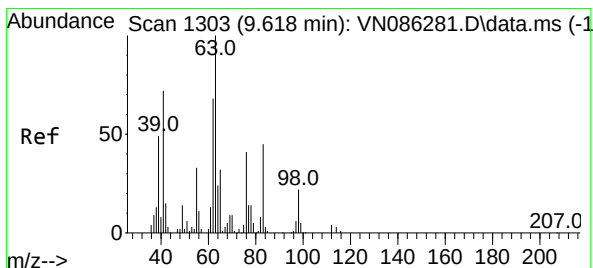
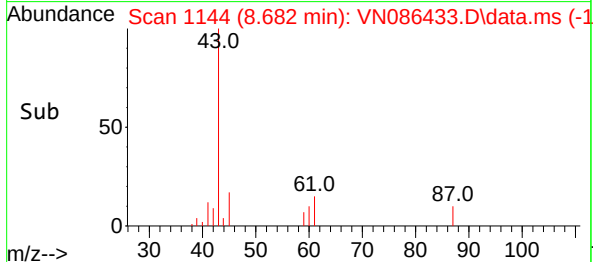
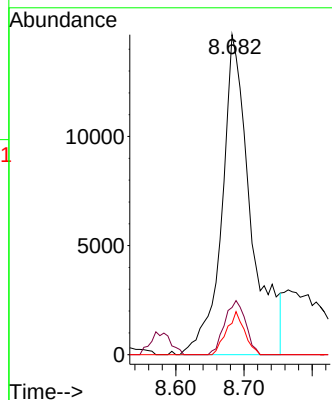
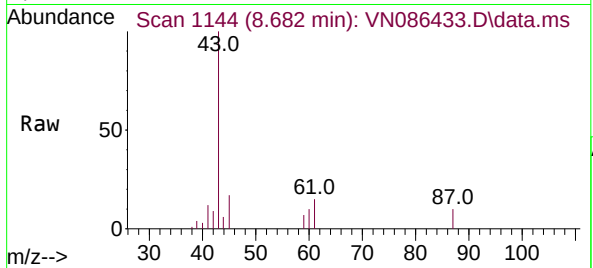




#43
Isopropyl Acetate
Concen: 6.656 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

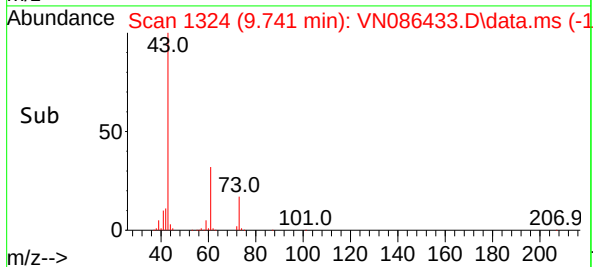
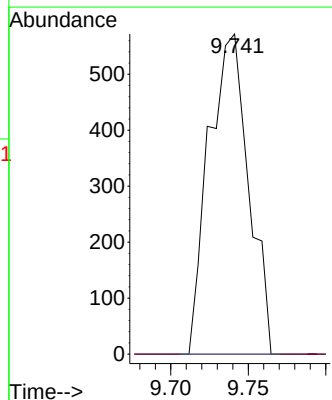
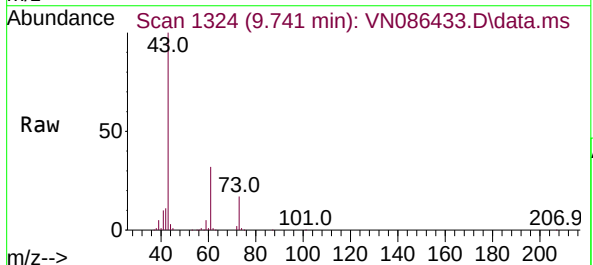
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

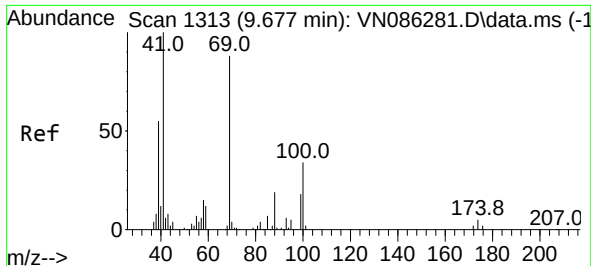
Tgt Ion: 43 Resp: 42928
Ion Ratio Lower Upper
43 100
61 12.4 20.5 30.7#
87 8.4 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.482 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion: 63 Resp: 1023
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 1.807 ug/l

RT: 9.653 min Scan# 1309

Delta R.T. -0.024 min

Lab File: VN086433.D

Acq: 30 Apr 2025 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#03

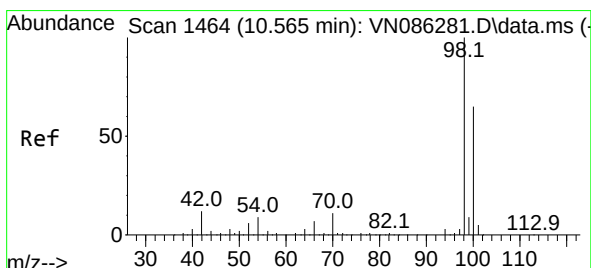
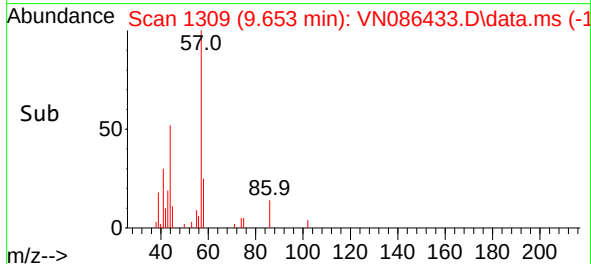
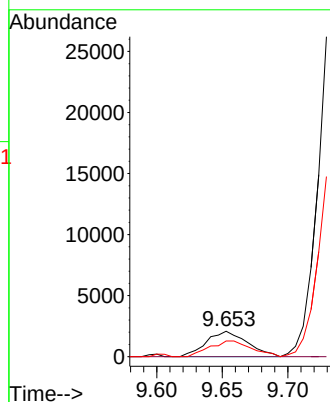
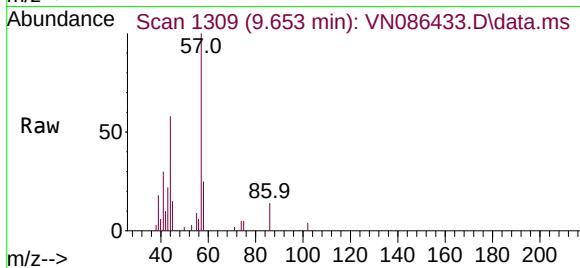
Tgt Ion: 41 Resp: 4518

Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 63.1 45.2 67.8



#50

Toluene-d8

Concen: 51.643 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086433.D

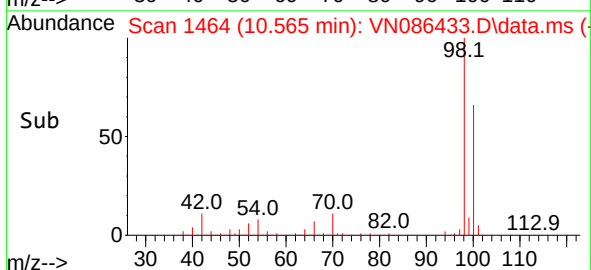
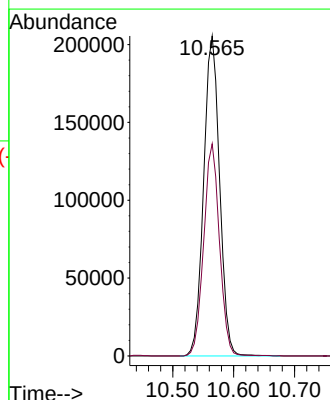
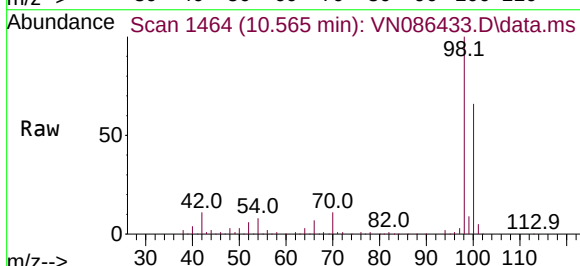
Acq: 30 Apr 2025 13:50

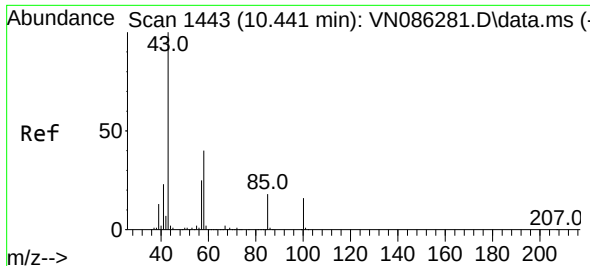
Tgt Ion: 98 Resp: 373699

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7

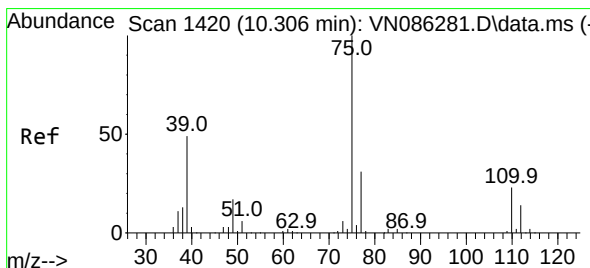
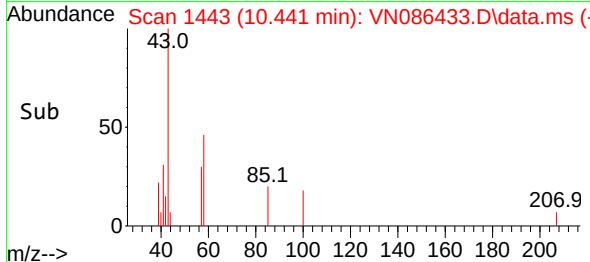
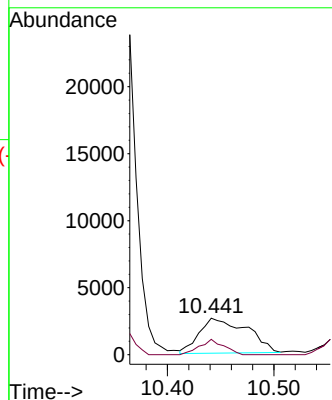
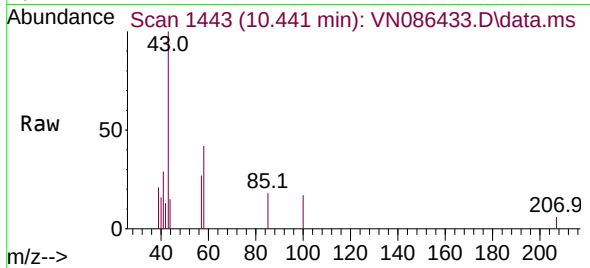




#51
4-Methyl-2-Pentanone
Concen: 2.789 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

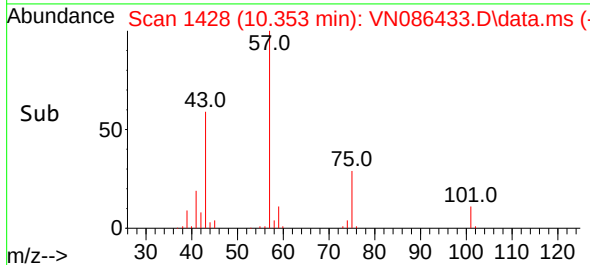
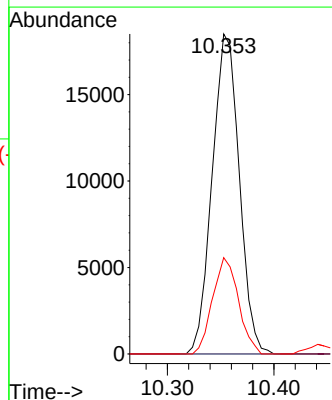
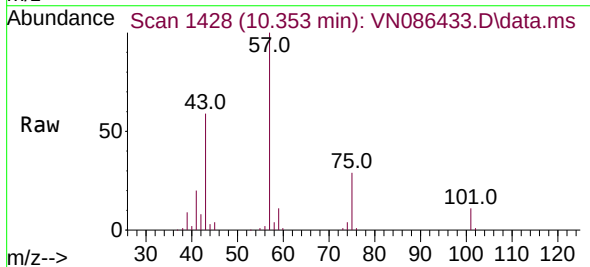
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

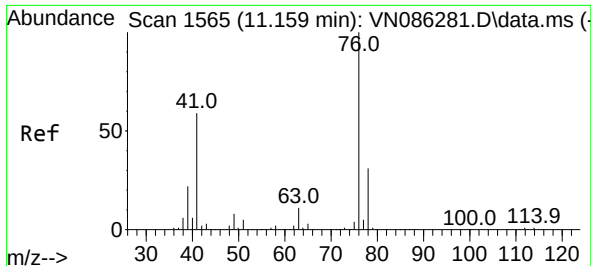
Tgt Ion: 43 Resp: 8131
Ion Ratio Lower Upper
43 100
58 22.2 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 9.128 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion: 75 Resp: 32663
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 30.1 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.941 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086433.D

Acq: 30 Apr 2025 13:50

Instrument :

MSVOA_N

ClientSampleId :

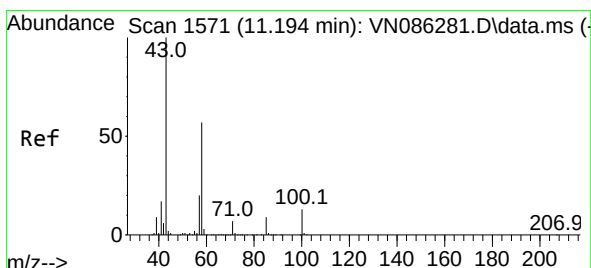
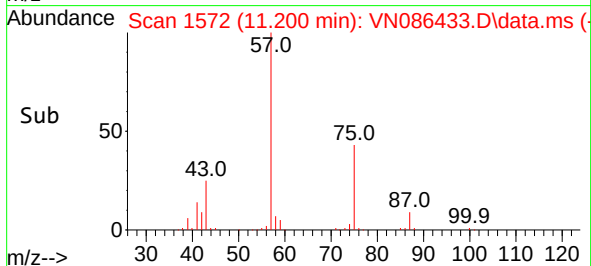
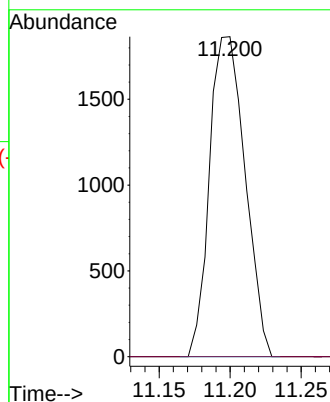
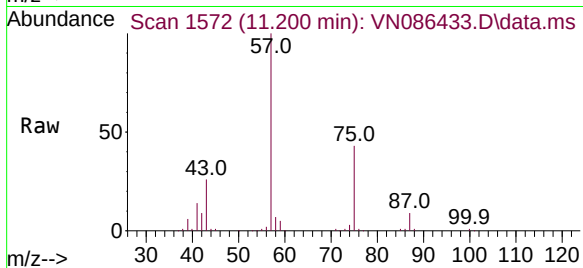
PB167775ZHE#03

Tgt Ion: 76 Resp: 3248

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.027 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086433.D

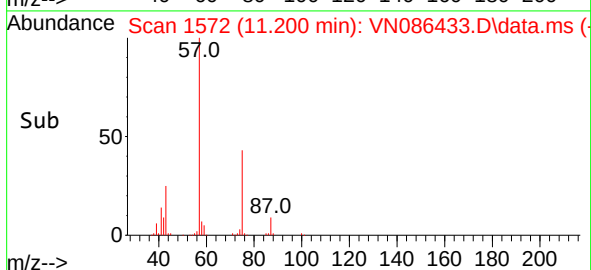
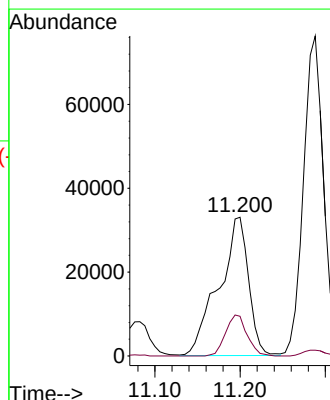
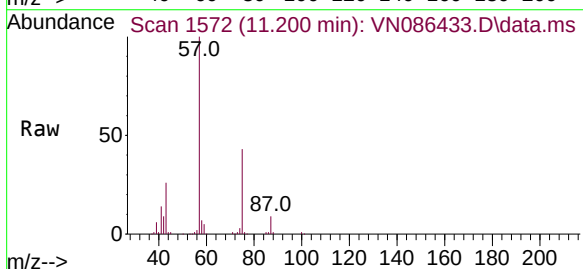
Acq: 30 Apr 2025 13:50

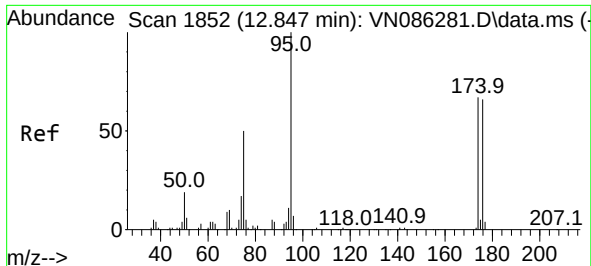
Tgt Ion: 43 Resp: 80070

Ion Ratio Lower Upper

43 100

58 21.4 28.3 85.0#

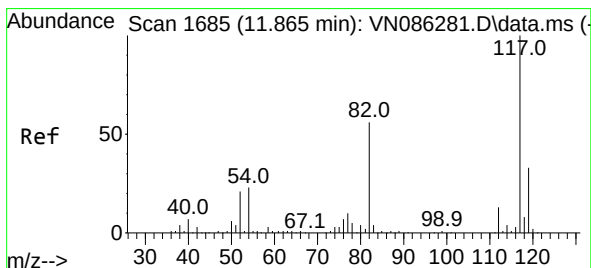
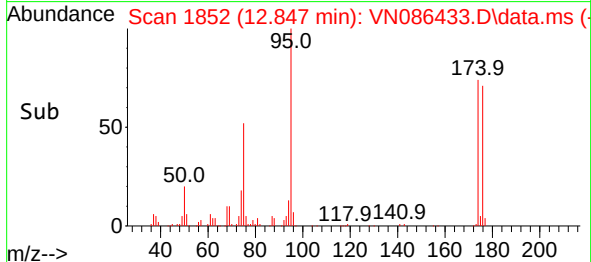
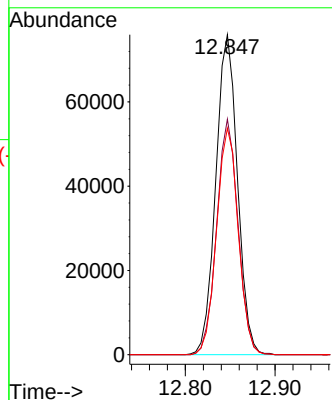
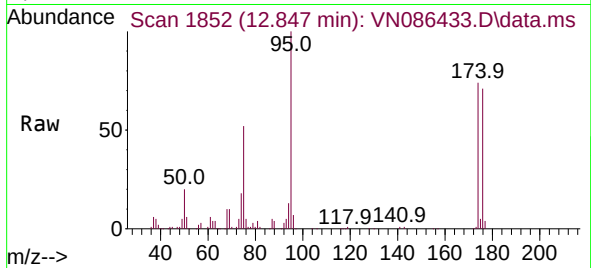




#62
4-Bromofluorobenzene
Concen: 48.334 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

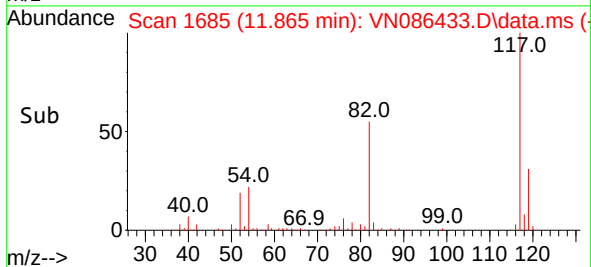
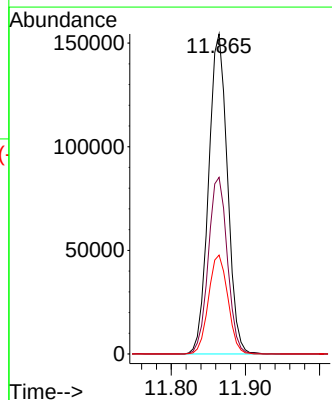
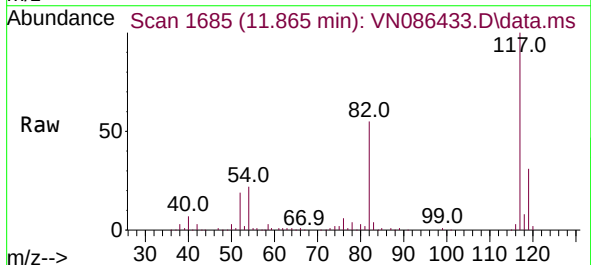
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

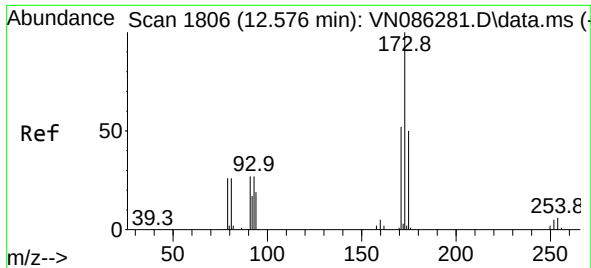
Tgt Ion: 95 Resp: 127570
Ion Ratio Lower Upper
95 100
174 72.3 0.0 133.4
176 70.7 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion: 117 Resp: 272591
Ion Ratio Lower Upper
117 100
82 55.2 44.7 67.1
119 30.9 26.4 39.6

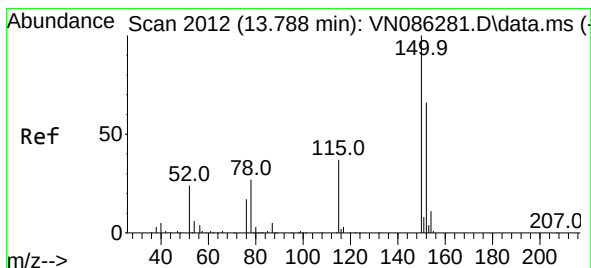
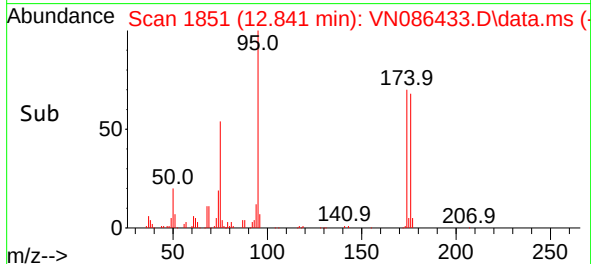
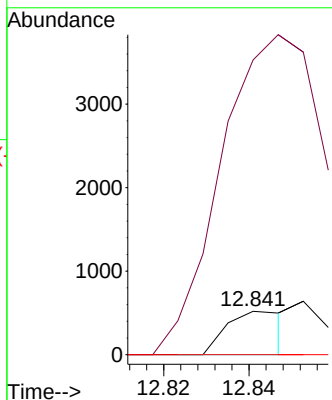
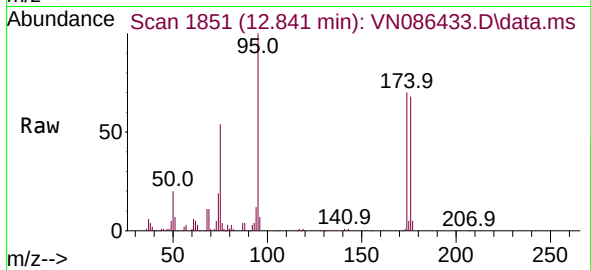




#71
Bromoform
Concen: 0.327 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

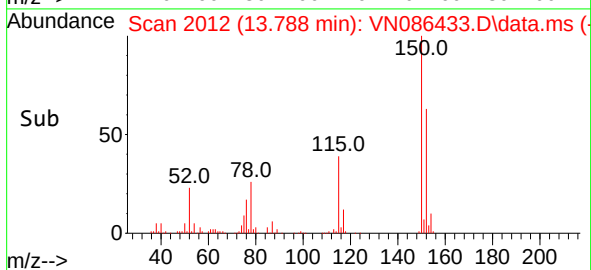
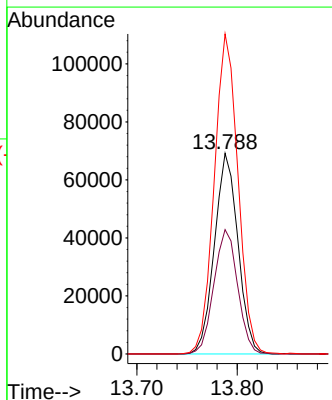
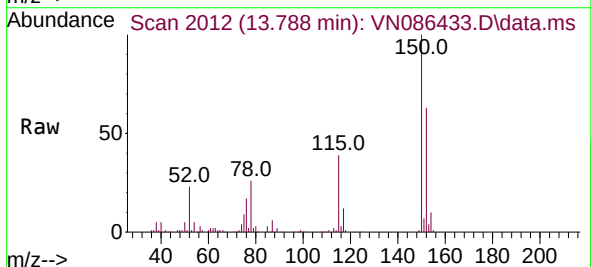
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

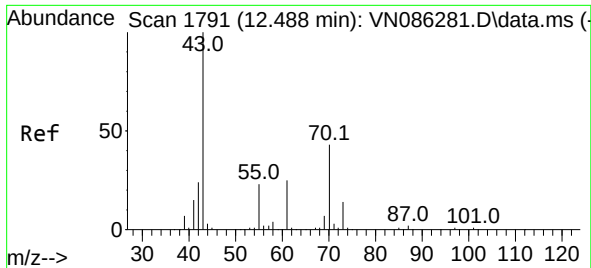
Tgt Ion:173 Resp: 494
Ion Ratio Lower Upper
173 100
175 1099.8 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion:152 Resp: 112524
Ion Ratio Lower Upper
152 100
115 62.6 31.9 95.9
150 160.9 0.0 352.0

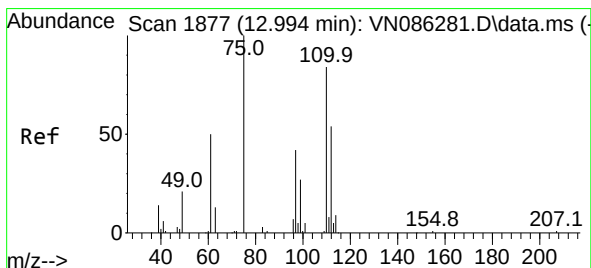
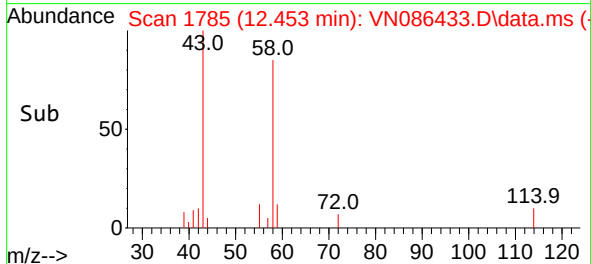
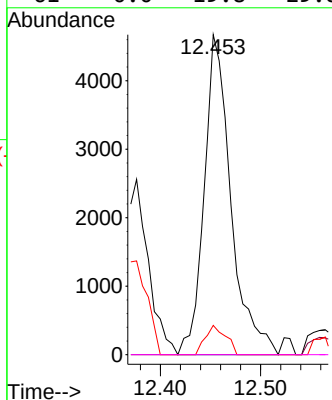
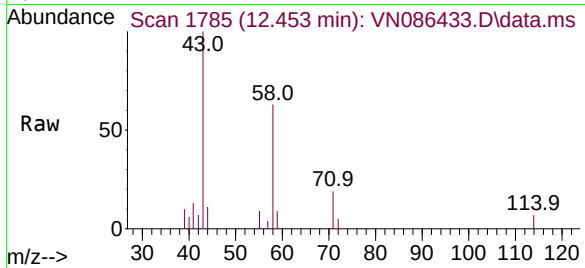




#74
N-amy1 acetate
Concen: 1.894 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

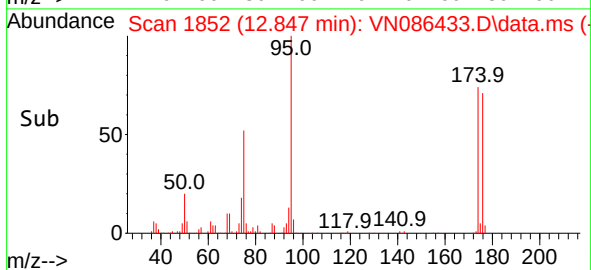
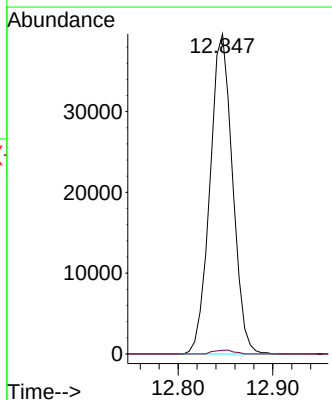
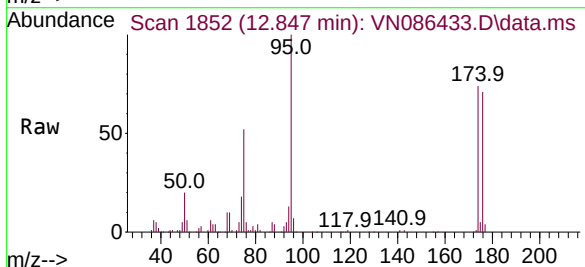
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#03

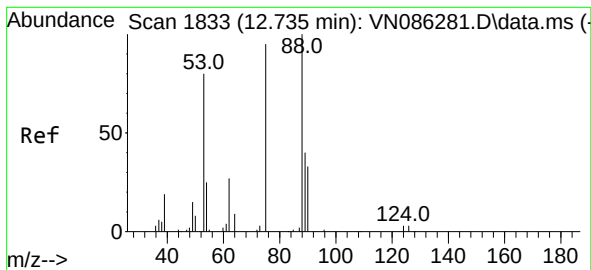
Tgt Ion: 43	Resp: 8678
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 7.0	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 24.734 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086433.D
Acq: 30 Apr 2025 13:50

Tgt Ion: 75	Resp: 65679
Ion Ratio	Lower Upper
75 100	
77 1.1	98.8 296.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.402 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086433.D
 Acq: 30 Apr 2025 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#03

Tgt Ion: 75 Resp: 65679
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

