

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086444.D
 Acq On : 30 Apr 2025 18:18
 Operator : JC\MD
 Sample : PB167775ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#14

Quant Time: May 01 01:36:38 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)

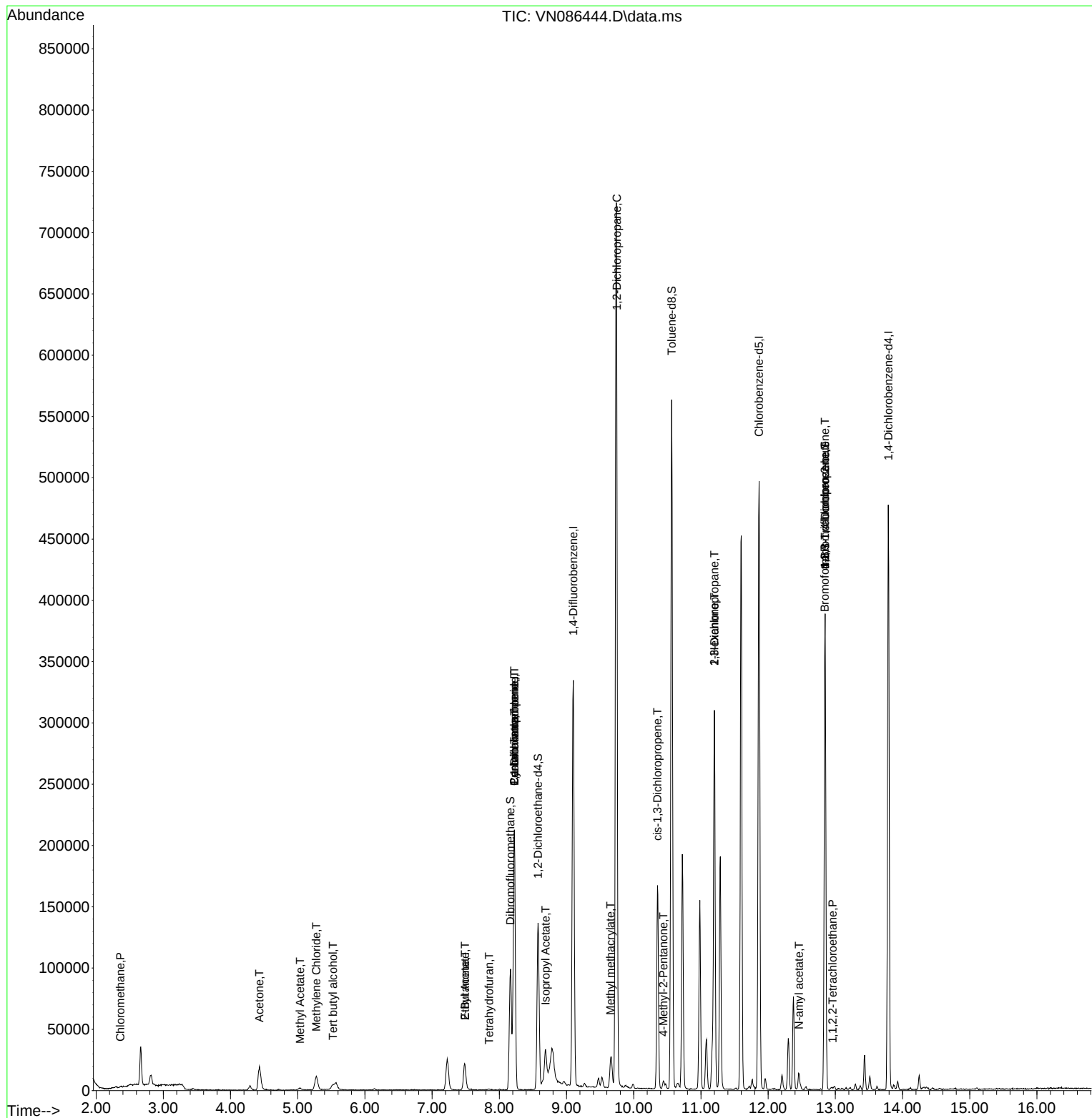
Internal Standards						
1) Pentafluorobenzene	8.224	168	153066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111408	50.193	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.380%	
35) Dibromofluoromethane	8.165	113	72639	52.700	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.400%	
50) Toluene-d8	10.565	98	380694	51.679	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.847	95	138189	51.431	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	591	0.224	ug/l	93
11) Tert butyl alcohol	5.524	59	7800	19.260	ug/l #	91
16) Acetone	4.430	43	36433	42.744	ug/l	99
18) Methyl Acetate	5.036	43	3489	1.310	ug/l #	64
20) Methylene Chloride	5.277	84	8980	4.376	ug/l	87
25) 2-Butanone	7.489	43	35994	26.053	ug/l	99
29) Tetrahydrofuran	7.847	42	762	0.825	ug/l #	39
31) Cyclohexane	8.224	56	3570	0.992	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	12707	4.616	ug/l #	50
37) Ethyl Acetate	7.489	43	35994	12.419	ug/l #	68
38) Carbon Tetrachloride	8.224	117	15910	6.068	ug/l #	15
43) Isopropyl Acetate	8.688	43	45914	7.090	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	812	0.376	ug/l #	43
48) Methyl methacrylate	9.653	41	5109	2.007	ug/l #	41
51) 4-Methyl-2-Pentanone	10.441	43	4588	1.546	ug/l	95
54) cis-1,3-Dichloropropene	10.353	75	31271	8.584	ug/l #	62
57) 1,3-Dichloropropane	11.200	76	2796	0.796	ug/l #	43
59) 2-Hexanone	11.200	43	81825	37.169	ug/l #	52
71) Bromoform	12.841	173	871	0.539	ug/l #	1
74) N-amyl acetate	12.459	43	9260	1.793	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.959	83	748	0.251	ug/l #	25
76) 1,2,3-Trichloropropane	12.847	75	72703	24.295	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72703	58.348	ug/l #	10

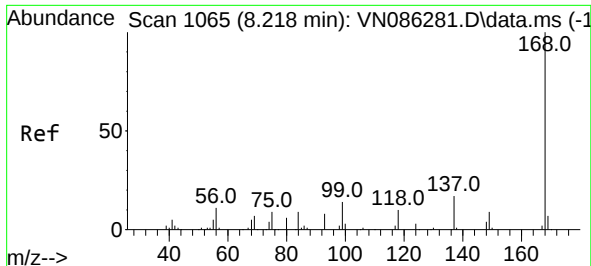
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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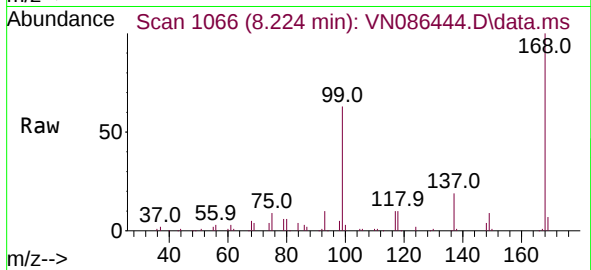
Quant Time: May 01 01:36:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
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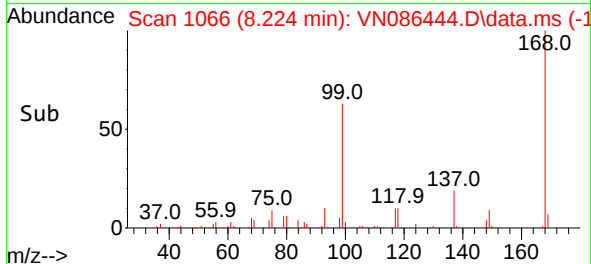
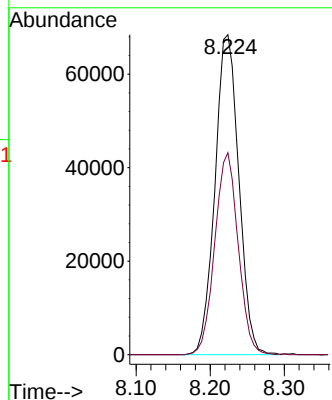


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#14

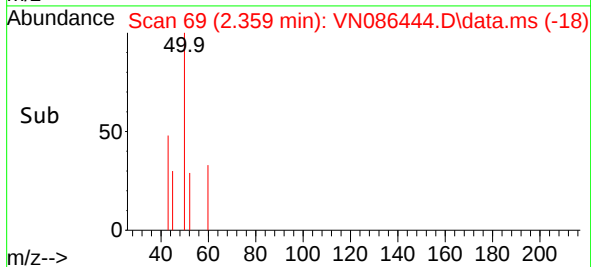
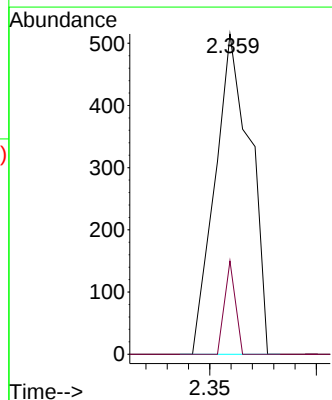
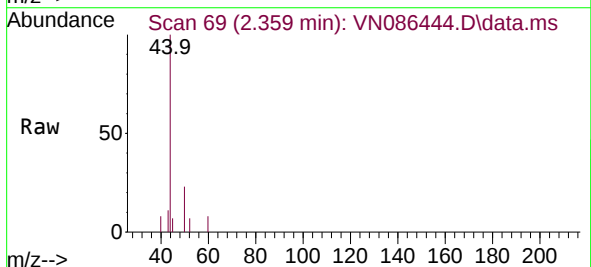


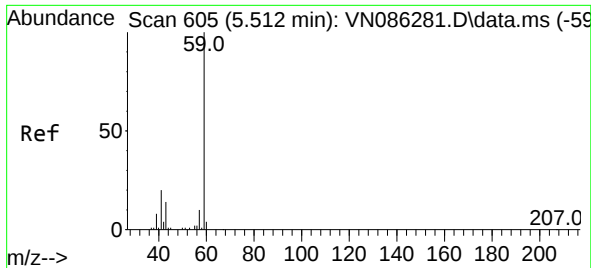
Tgt Ion:168 Resp: 153066
Ion Ratio Lower Upper
168 100
99 63.1 52.5 78.7



#3
Chloromethane
Concen: 0.224 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Tgt Ion: 50 Resp: 591
Ion Ratio Lower Upper
50 100
52 29.1 26.5 39.7

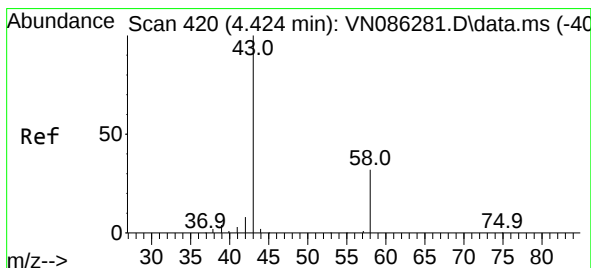
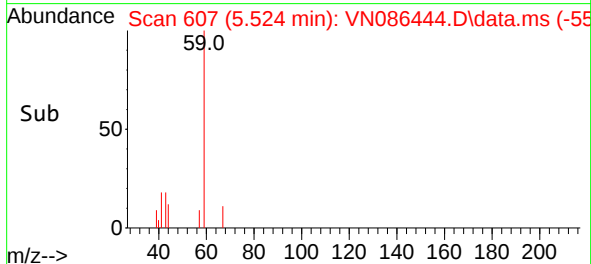
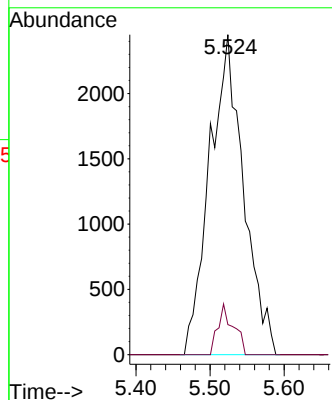
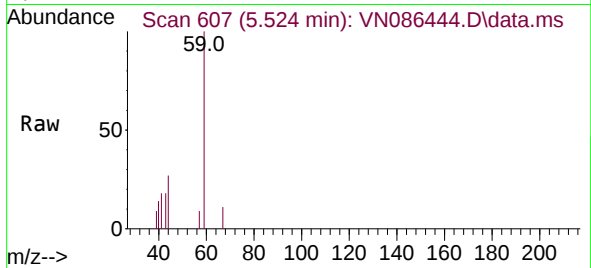




#11
Tert butyl alcohol
Concen: 19.260 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

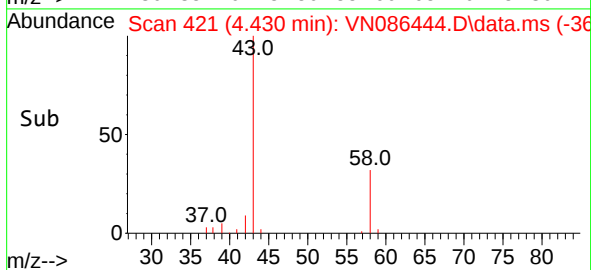
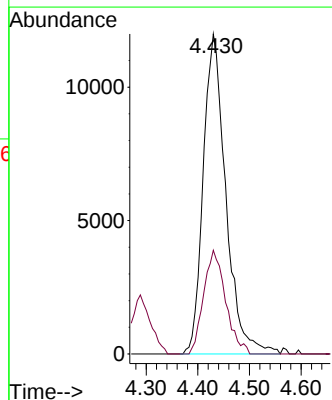
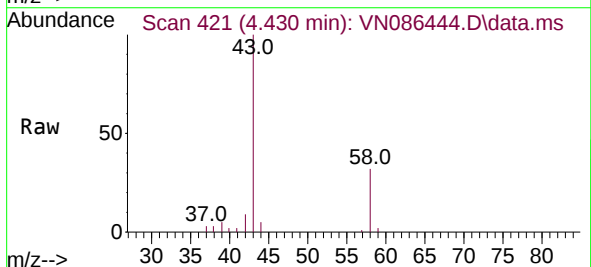
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#14

Tgt Ion: 59 Resp: 7800
Ion Ratio Lower Upper
59 100
57 7.2 8.3 12.5#



#16
Acetone
Concen: 42.744 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

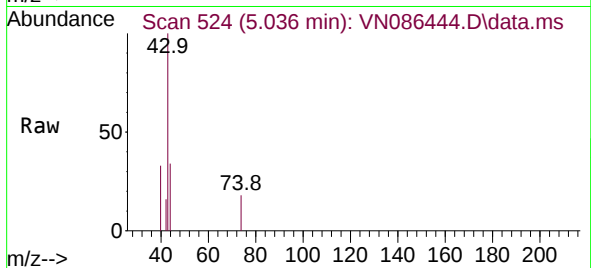
Tgt Ion: 43 Resp: 36433
Ion Ratio Lower Upper
43 100
58 32.4 25.3 37.9



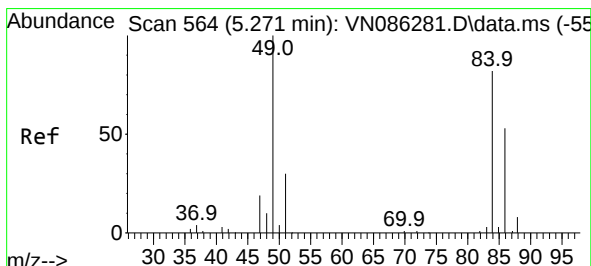
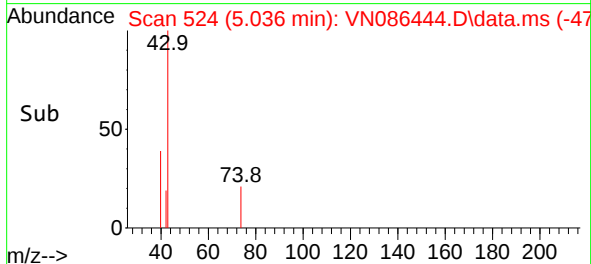
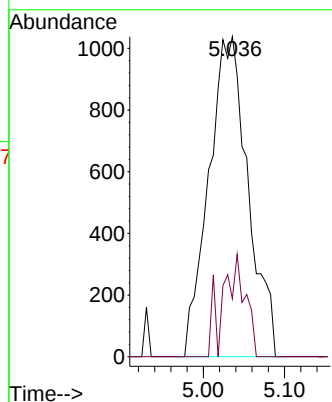


#18
Methyl Acetate
Concen: 1.310 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#14

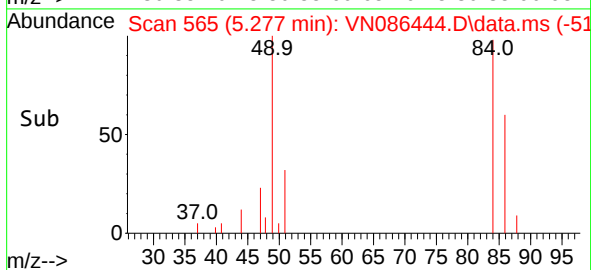
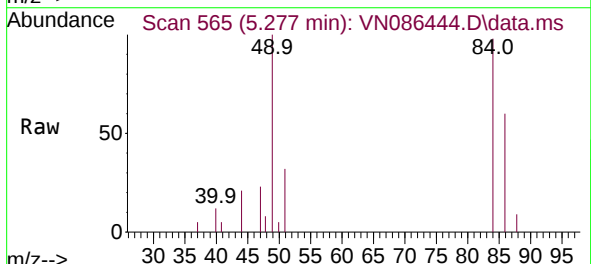
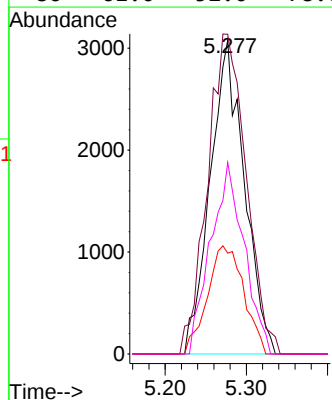


Tgt Ion: 43 Resp: 3489
Ion Ratio Lower Upper
43 100
74 6.9 19.8 29.6#



#20
Methylene Chloride
Concen: 4.376 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Tgt Ion: 84 Resp: 8980
Ion Ratio Lower Upper
84 100
49 101.8 98.2 147.2
51 32.1 29.8 44.6
86 61.0 52.0 78.0

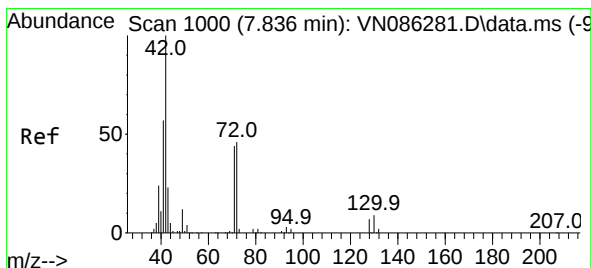
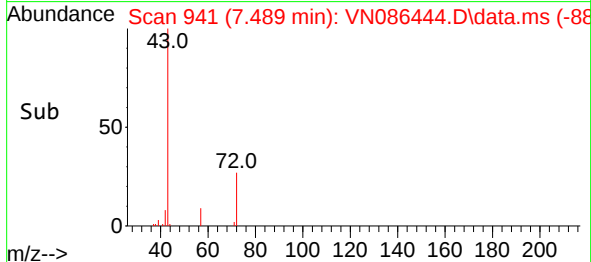
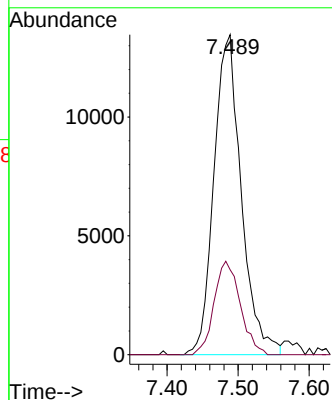
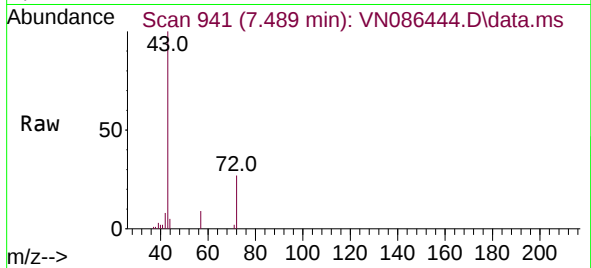




#25
2-Butanone
Concen: 26.053 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

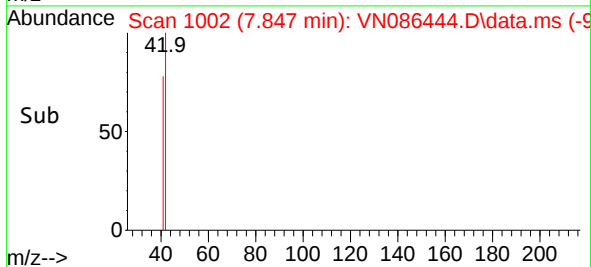
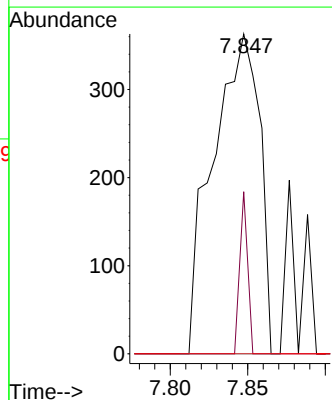
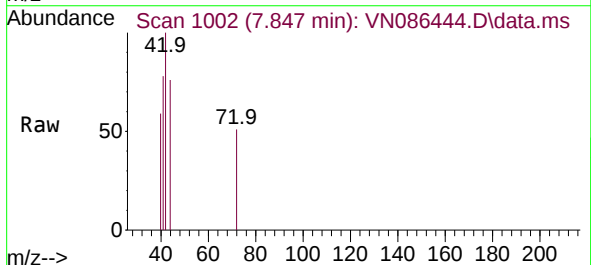
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#14

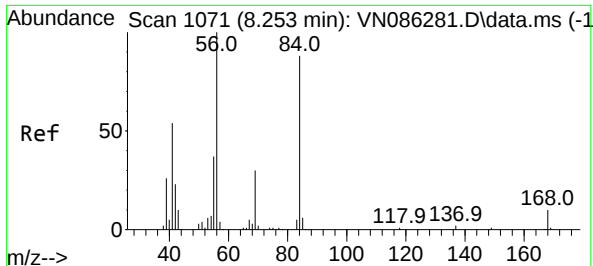
Tgt Ion: 43 Resp: 35994
Ion Ratio Lower Upper
43 100
72 26.5 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.825 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

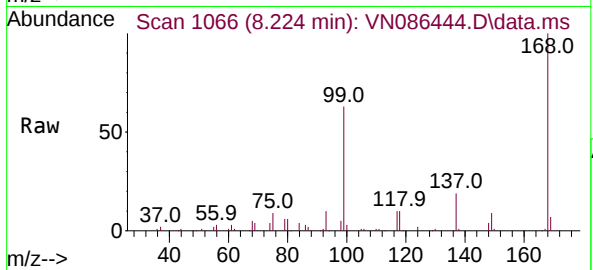
Tgt Ion: 42 Resp: 762
Ion Ratio Lower Upper
42 100
72 8.5 36.2 54.4#
71 0.0 34.0 51.0#



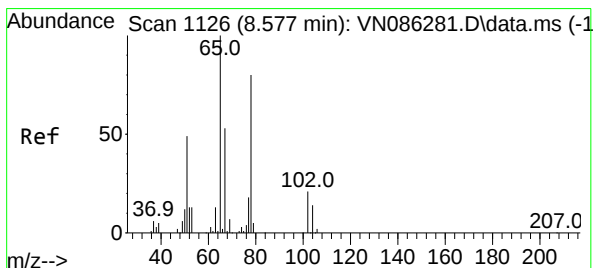
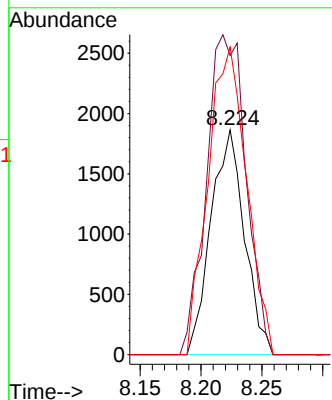
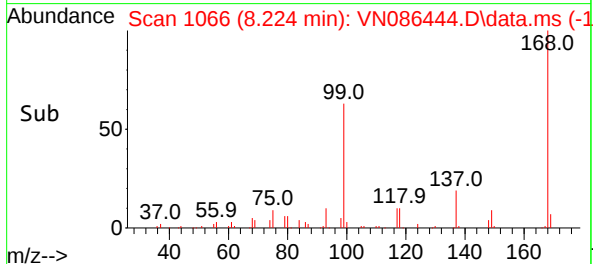


#31
Cyclohexane
Concen: 0.992 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

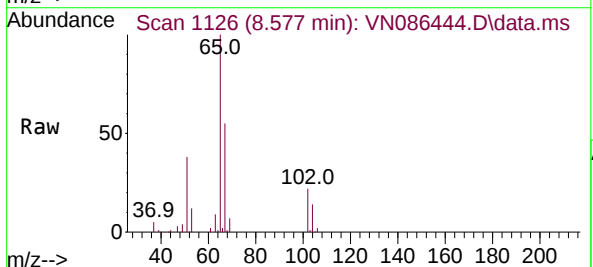
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MSVOA_N
ClientSampleId :
PB167775ZHE#14



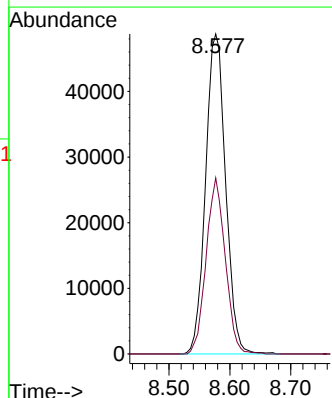
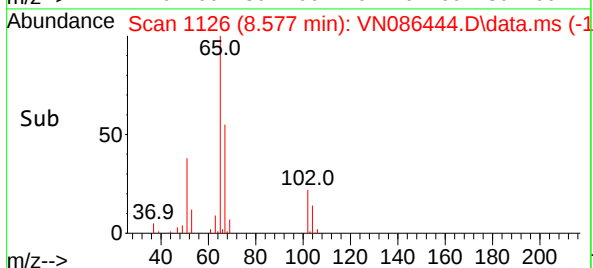
Tgt Ion: 56 Resp: 3570
Ion Ratio Lower Upper
56 100
69 133.1 24.2 36.2#
84 136.8 70.3 105.5#

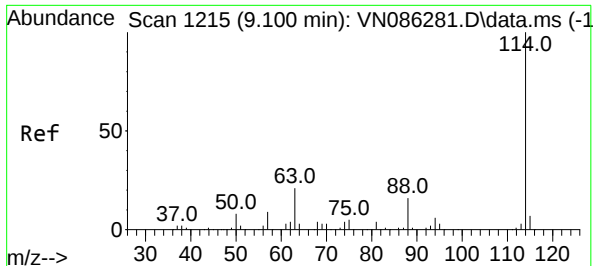


#33
1,2-Dichloroethane-d4
Concen: 50.193 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18



Tgt Ion: 65 Resp: 111408
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.0

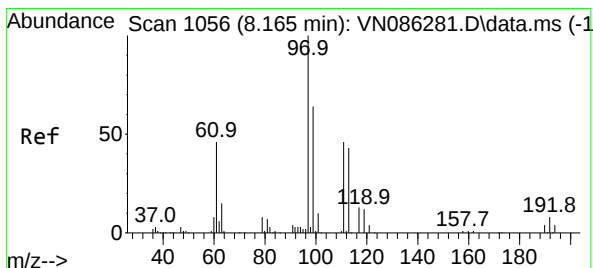
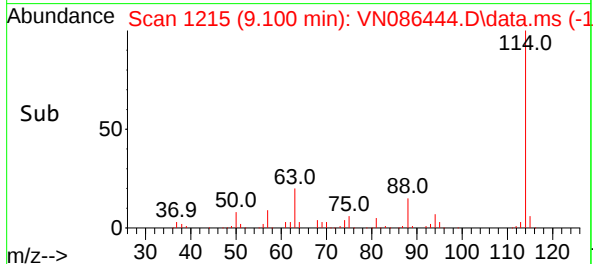
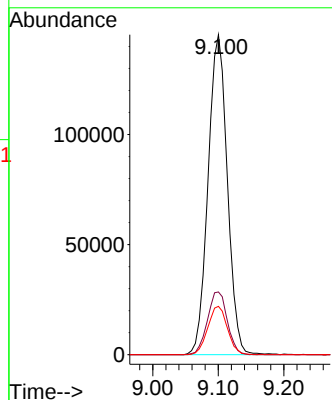
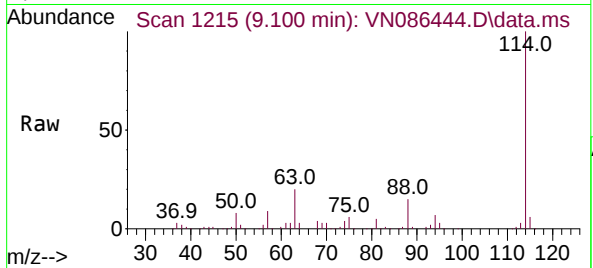




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

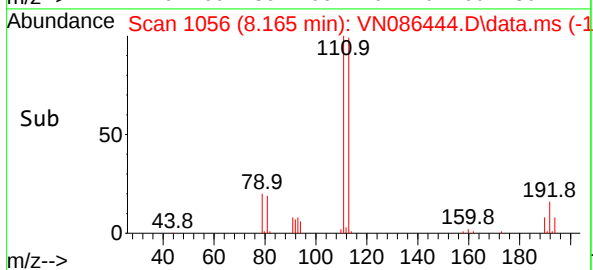
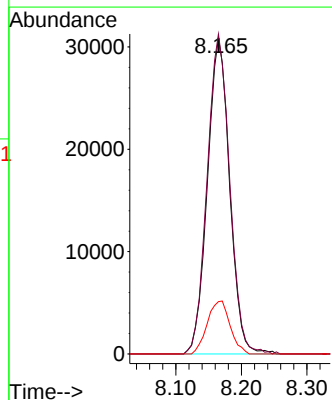
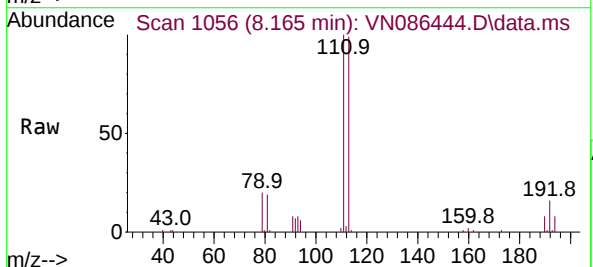
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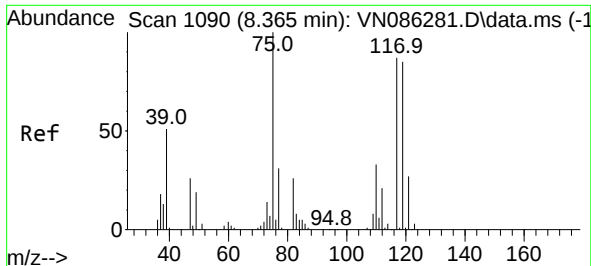
Tgt Ion:114 Resp: 296984
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.6
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.700 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Tgt Ion:113 Resp: 72639
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.0
192 17.2 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.616 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086444.D

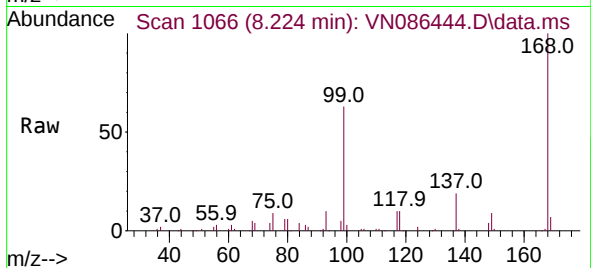
Acq: 30 Apr 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#14



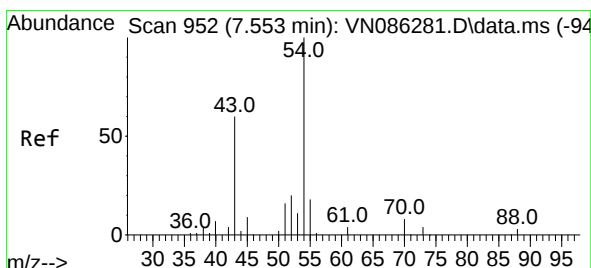
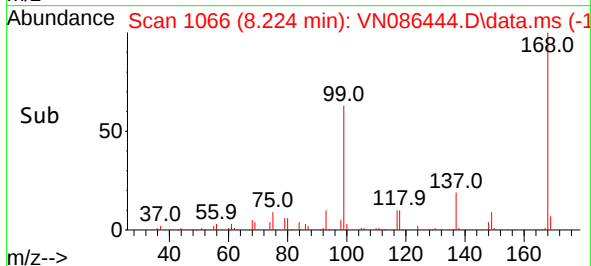
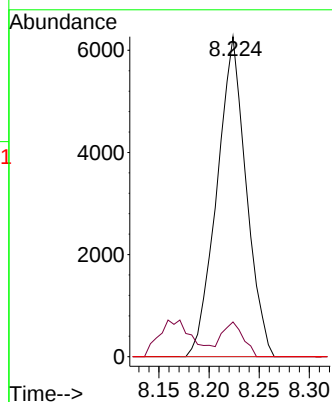
Tgt Ion: 75 Resp: 12707

Ion Ratio Lower Upper

75 100

110 8.8 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 12.419 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN086444.D

Acq: 30 Apr 2025 18:18

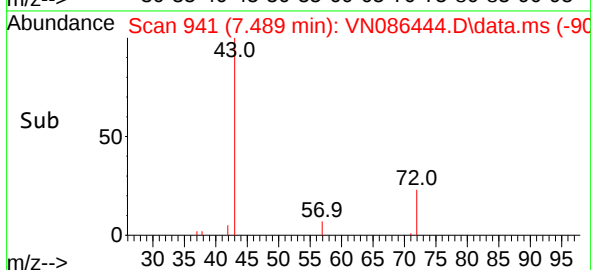
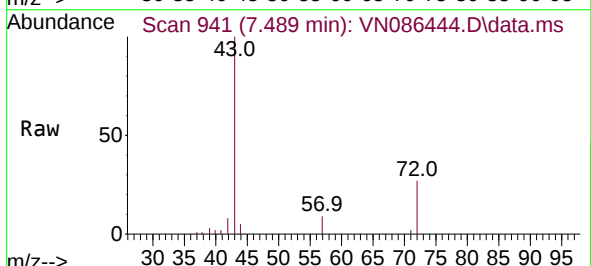
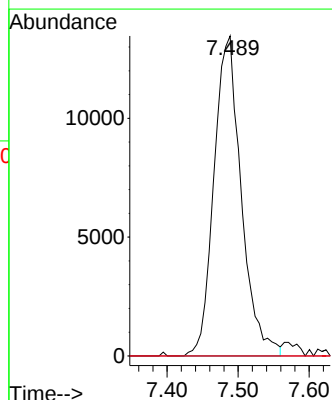
Tgt Ion: 43 Resp: 35994

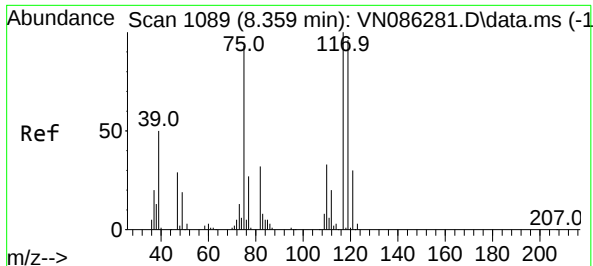
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

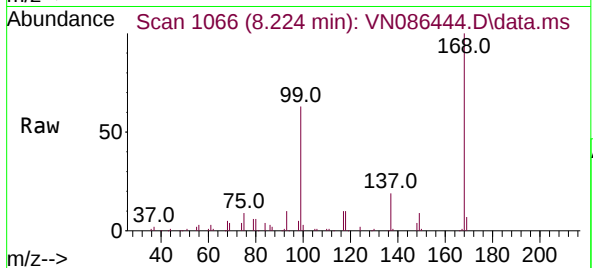
70 0.0 9.2 13.8#



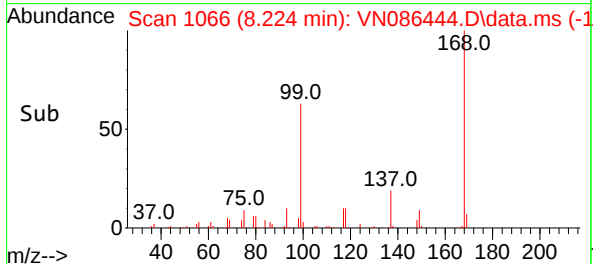
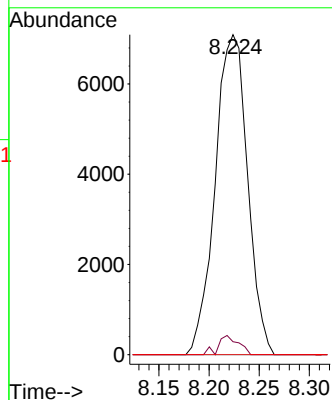


#38
Carbon Tetrachloride
Concen: 6.068 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#14

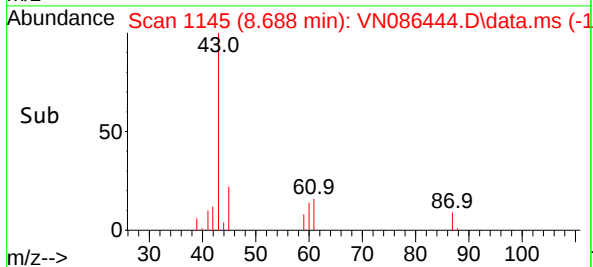
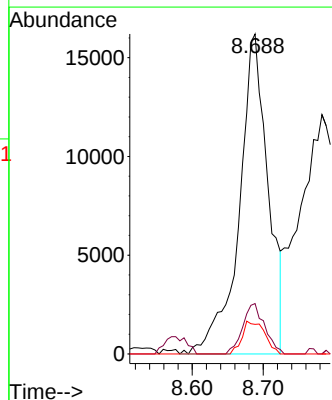
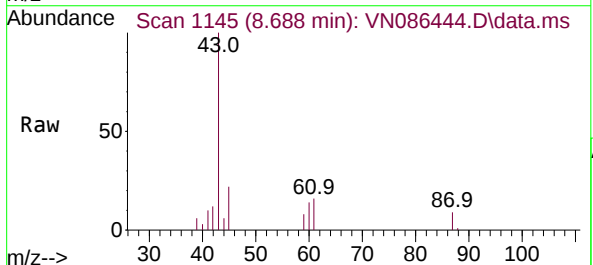


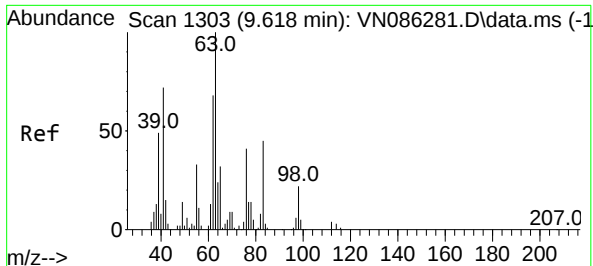
Tgt Ion:117 Resp: 15910
Ion Ratio Lower Upper
117 100
119 4.0 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 7.090 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Tgt Ion: 43 Resp: 45914
Ion Ratio Lower Upper
43 100
61 12.0 20.5 30.7#
87 7.9 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.376 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN086444.D

Acq: 30 Apr 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

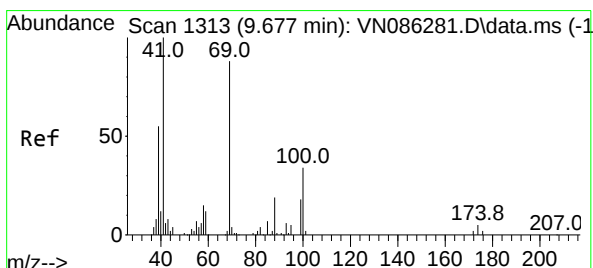
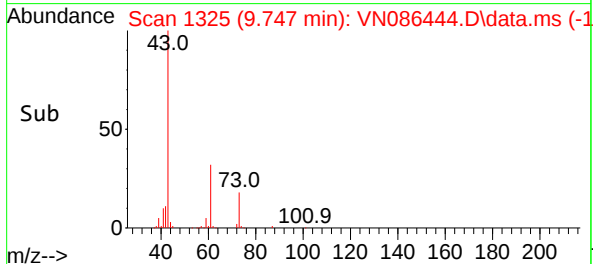
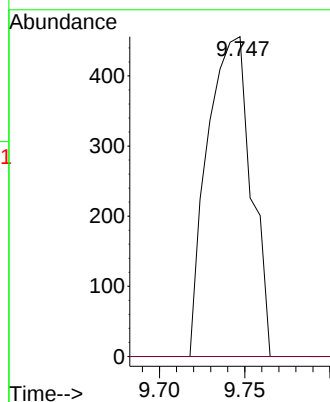
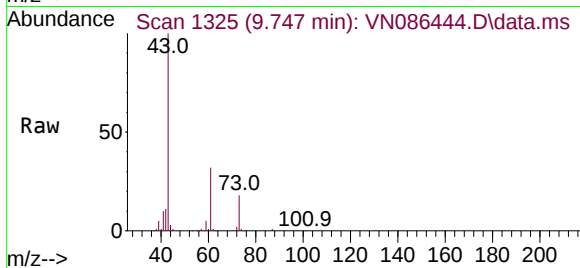
PB167775ZHE#14

Tgt Ion: 63 Resp: 812

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 2.007 ug/l

RT: 9.653 min Scan# 1309

Delta R.T. -0.023 min

Lab File: VN086444.D

Acq: 30 Apr 2025 18:18

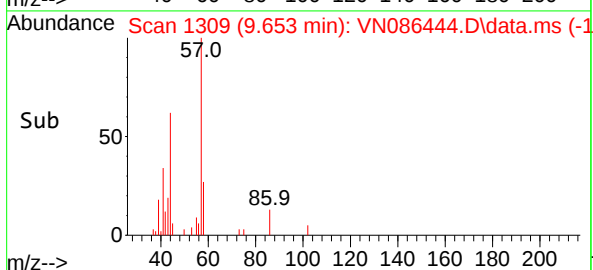
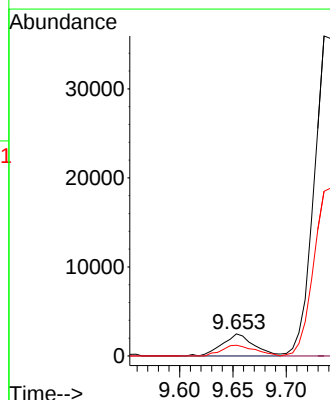
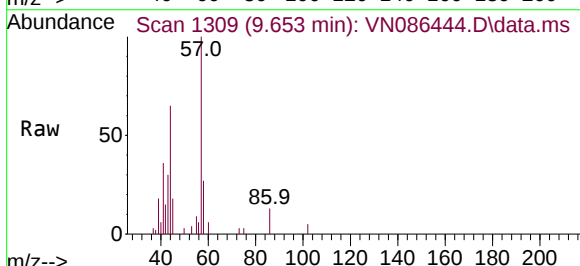
Tgt Ion: 41 Resp: 5109

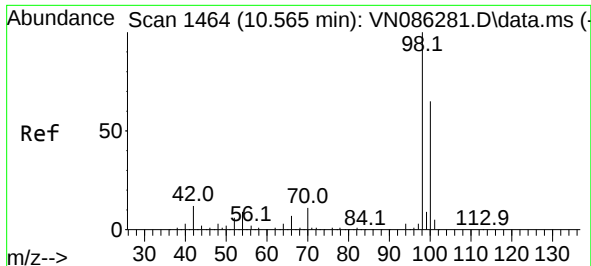
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 51.1 45.2 67.8

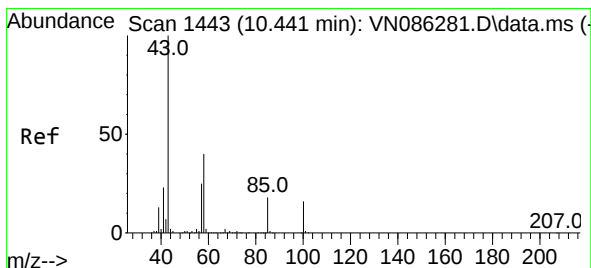
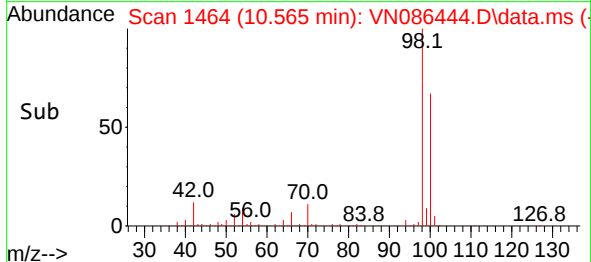
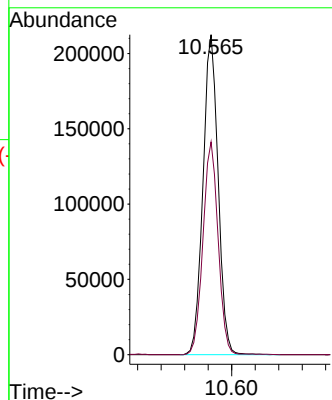
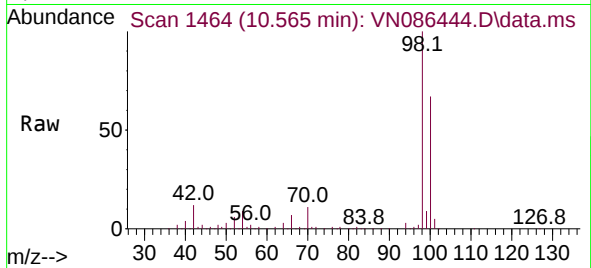




#50
Toluene-d8
Concen: 51.679 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

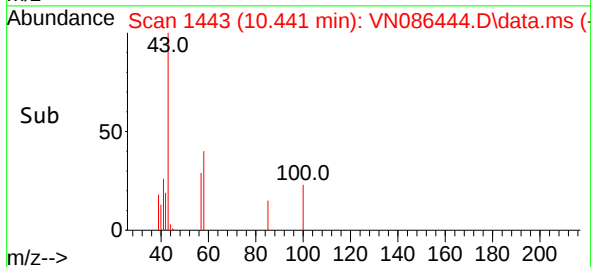
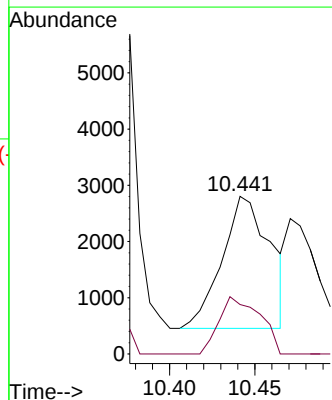
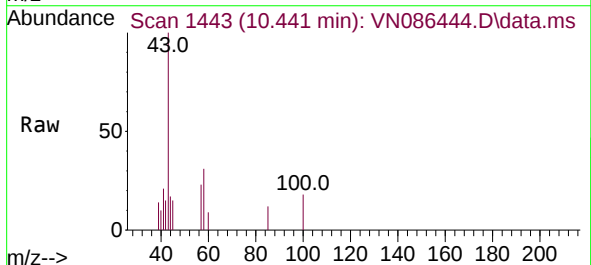
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#14

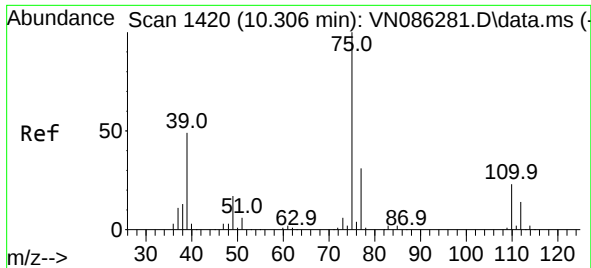
Tgt Ion: 98 Resp: 380694
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.546 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Tgt Ion: 43 Resp: 4588
Ion Ratio Lower Upper
43 100
58 37.2 32.2 48.4

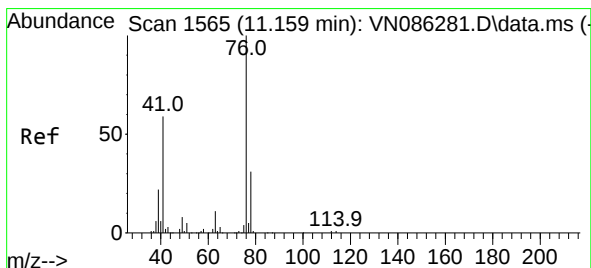
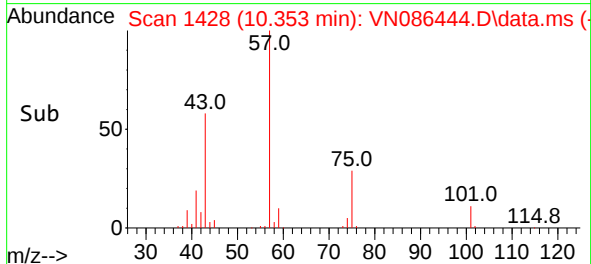
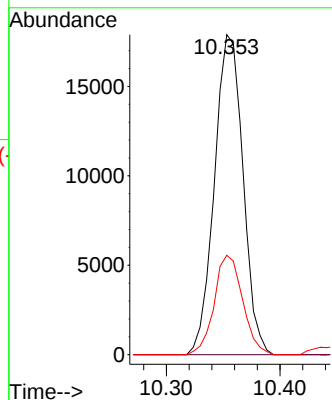
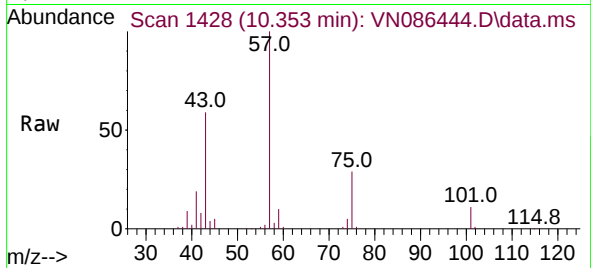




#54
 cis-1,3-Dichloropropene
 Concen: 8.584 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086444.D
 Acq: 30 Apr 2025 18:18

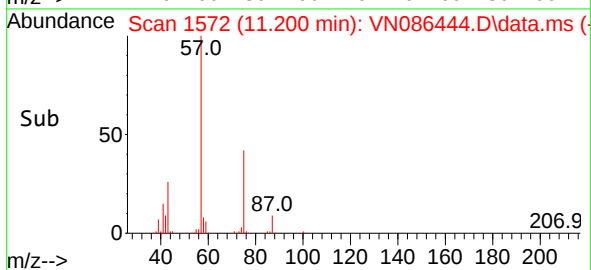
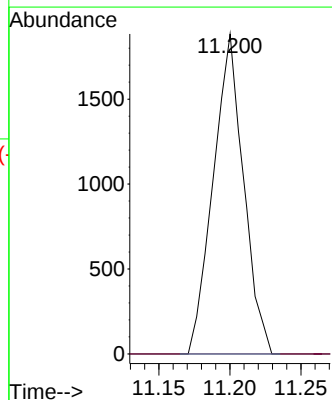
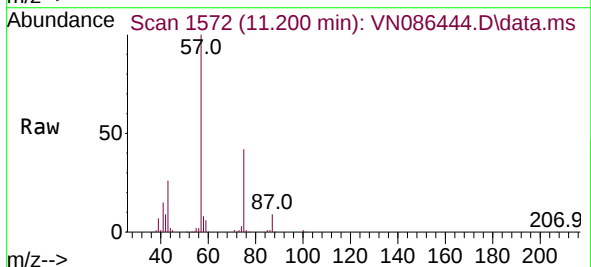
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#14

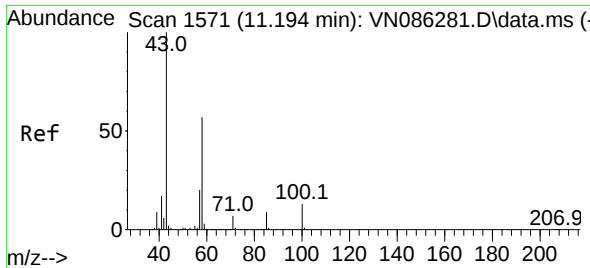
Tgt Ion: 75 Resp: 31271
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 31.1 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.796 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086444.D
 Acq: 30 Apr 2025 18:18

Tgt Ion: 76 Resp: 2796
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

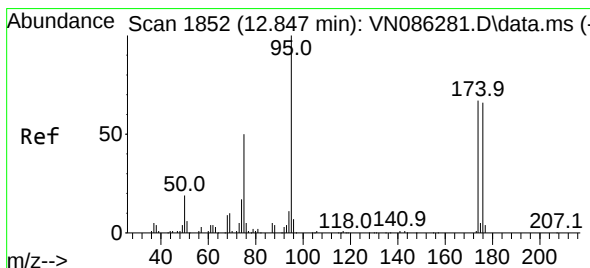
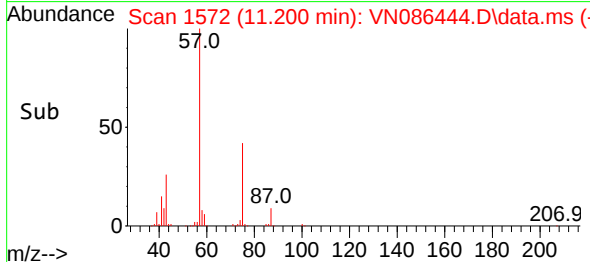
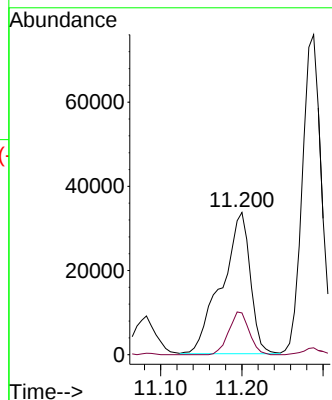
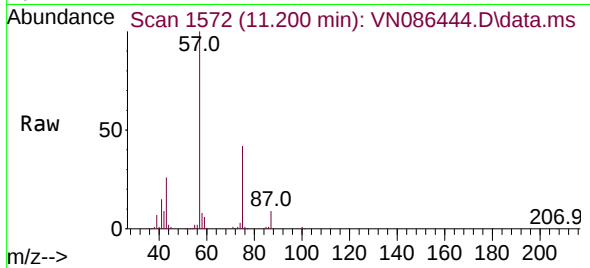




#59
2-Hexanone
Concen: 37.169 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

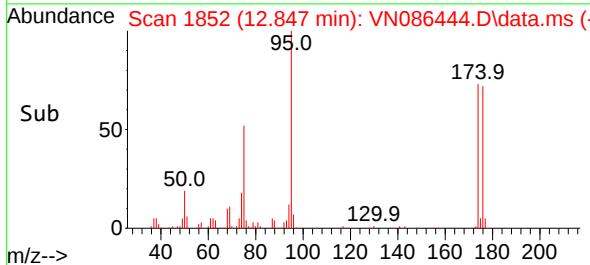
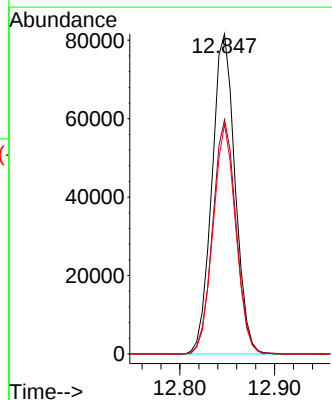
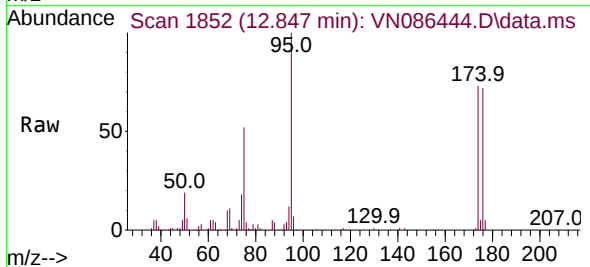
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#14

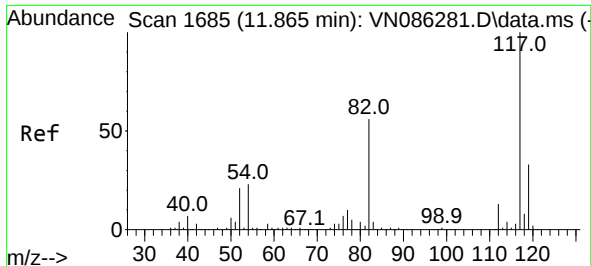
Tgt Ion: 43 Resp: 81825
Ion Ratio Lower Upper
43 100
58 21.7 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 51.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Tgt Ion: 95 Resp: 138189
Ion Ratio Lower Upper
95 100
174 73.7 0.0 133.4
176 70.4 0.0 129.2

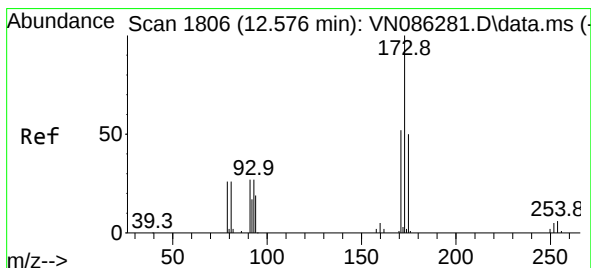
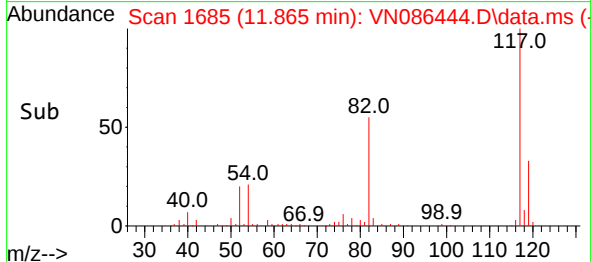
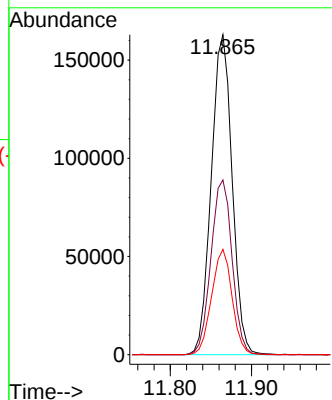
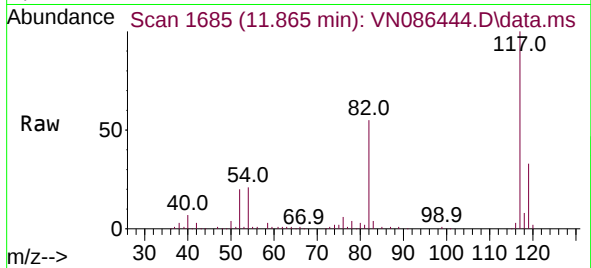




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

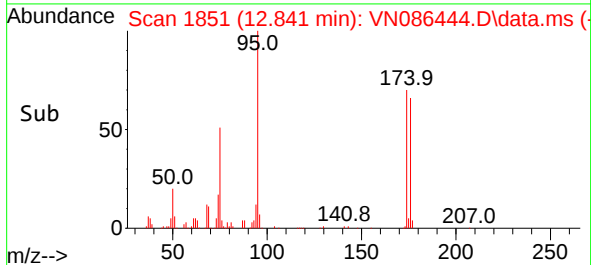
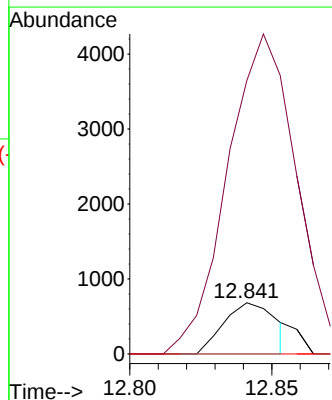
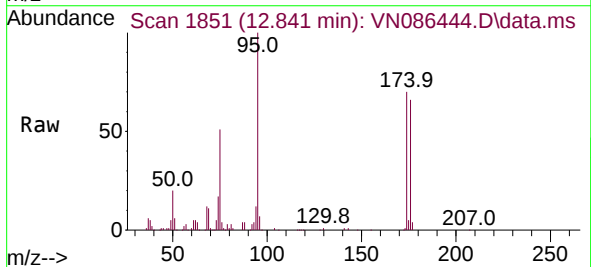
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#14

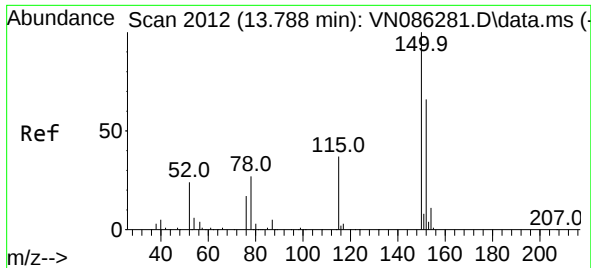
Tgt Ion:117 Resp: 291264
Ion Ratio Lower Upper
117 100
82 54.6 44.7 67.1
119 32.9 26.4 39.6



#71
Bromoform
Concen: 0.539 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Tgt Ion:173 Resp: 871
Ion Ratio Lower Upper
173 100
175 663.5 24.6 73.6#
254 0.0 0.0 0.0

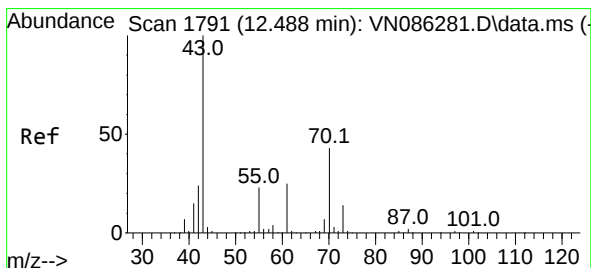
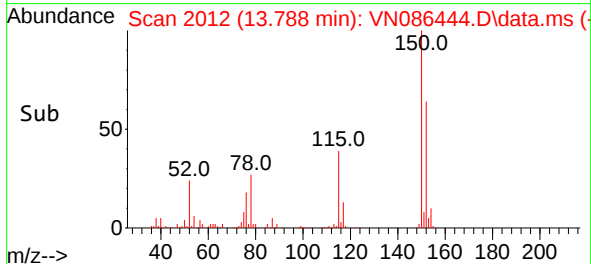
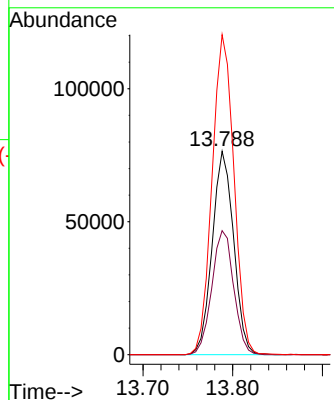
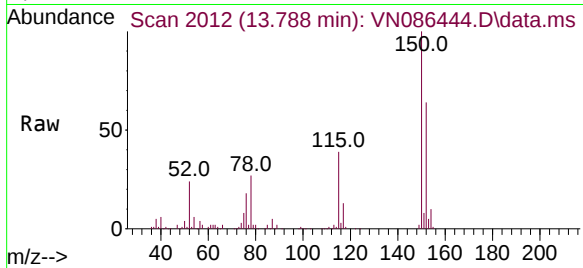




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

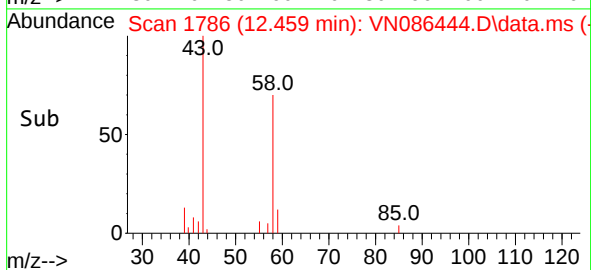
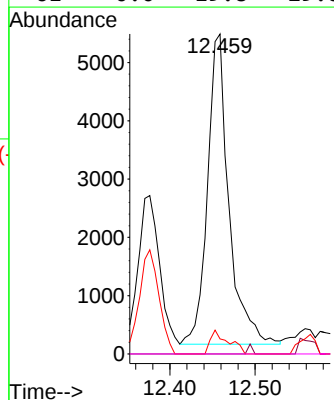
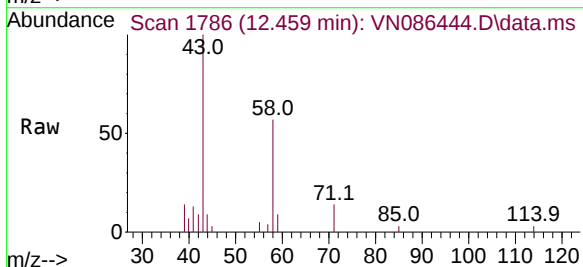
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#14

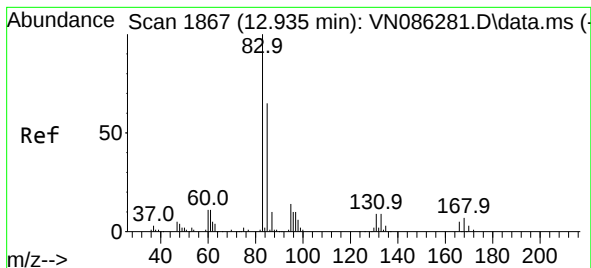
Tgt Ion:152 Resp: 126809
Ion Ratio Lower Upper
152 100
115 62.3 31.9 95.9
150 160.3 0.0 352.0



#74
N-ethyl acetate
Concen: 1.793 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN086444.D
Acq: 30 Apr 2025 18:18

Tgt Ion: 43 Resp: 9260
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 6.4 19.0 28.4#
61 0.0 19.8 29.8#





#75

1,1,2-Tetrachloroethane

Concen: 0.251 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.024 min

Lab File: VN086444.D

Acq: 30 Apr 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#14

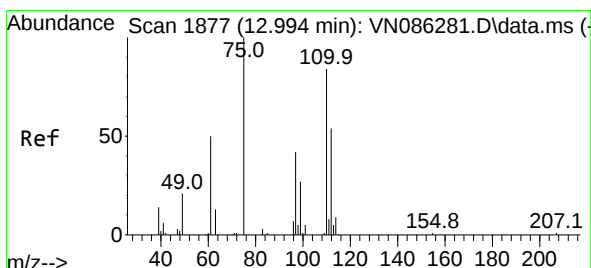
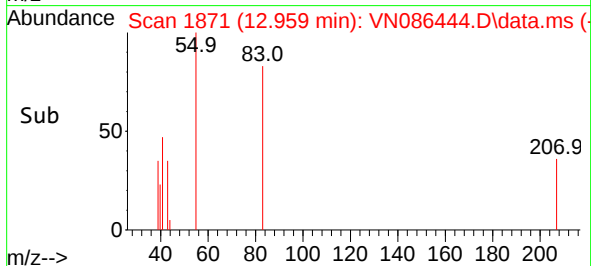
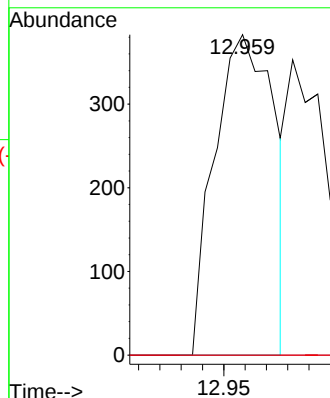
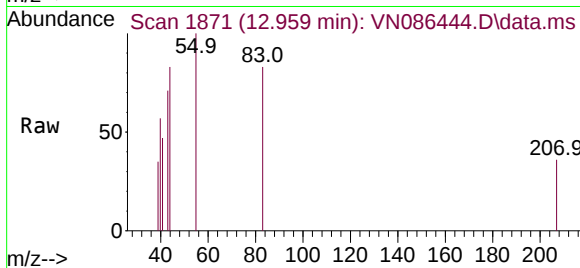
Tgt Ion: 83 Resp: 748

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 32.7 98.1#



#76

1,2,3-Trichloropropane

Concen: 24.295 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086444.D

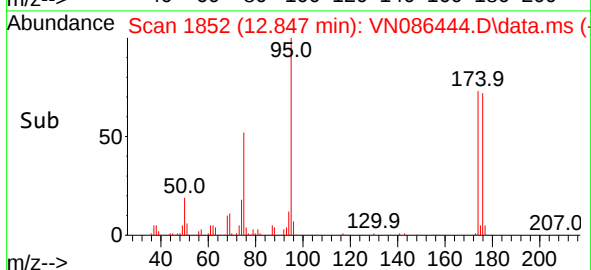
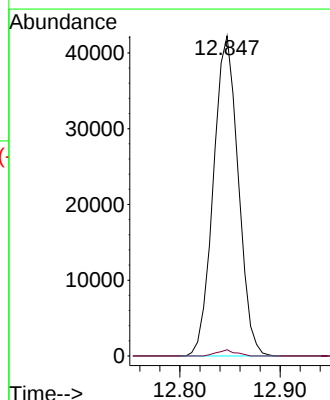
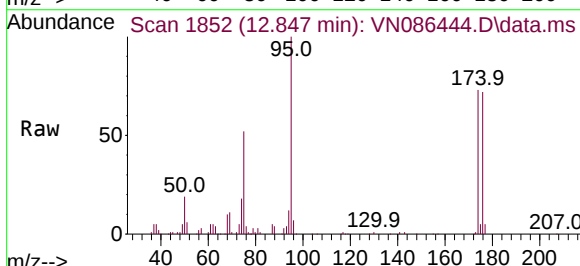
Acq: 30 Apr 2025 18:18

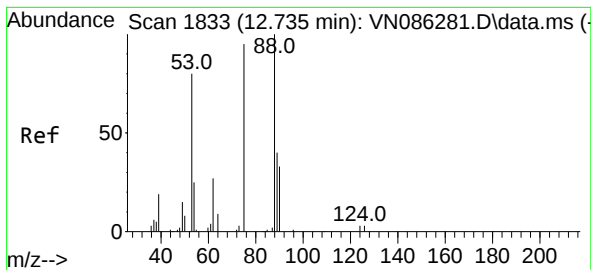
Tgt Ion: 75 Resp: 72703

Ion Ratio Lower Upper

75 100

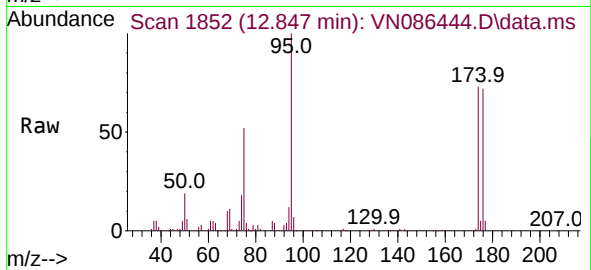
77 1.4 98.8 296.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.348 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086444.D
 Acq: 30 Apr 2025 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#14



Tgt Ion: 75 Resp: 72703
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

