

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082124\
 Data File : VN083414.D
 Acq On : 21 Aug 2024 17:30
 Operator : JC\MD
 Sample : PB162872TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 01:48:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

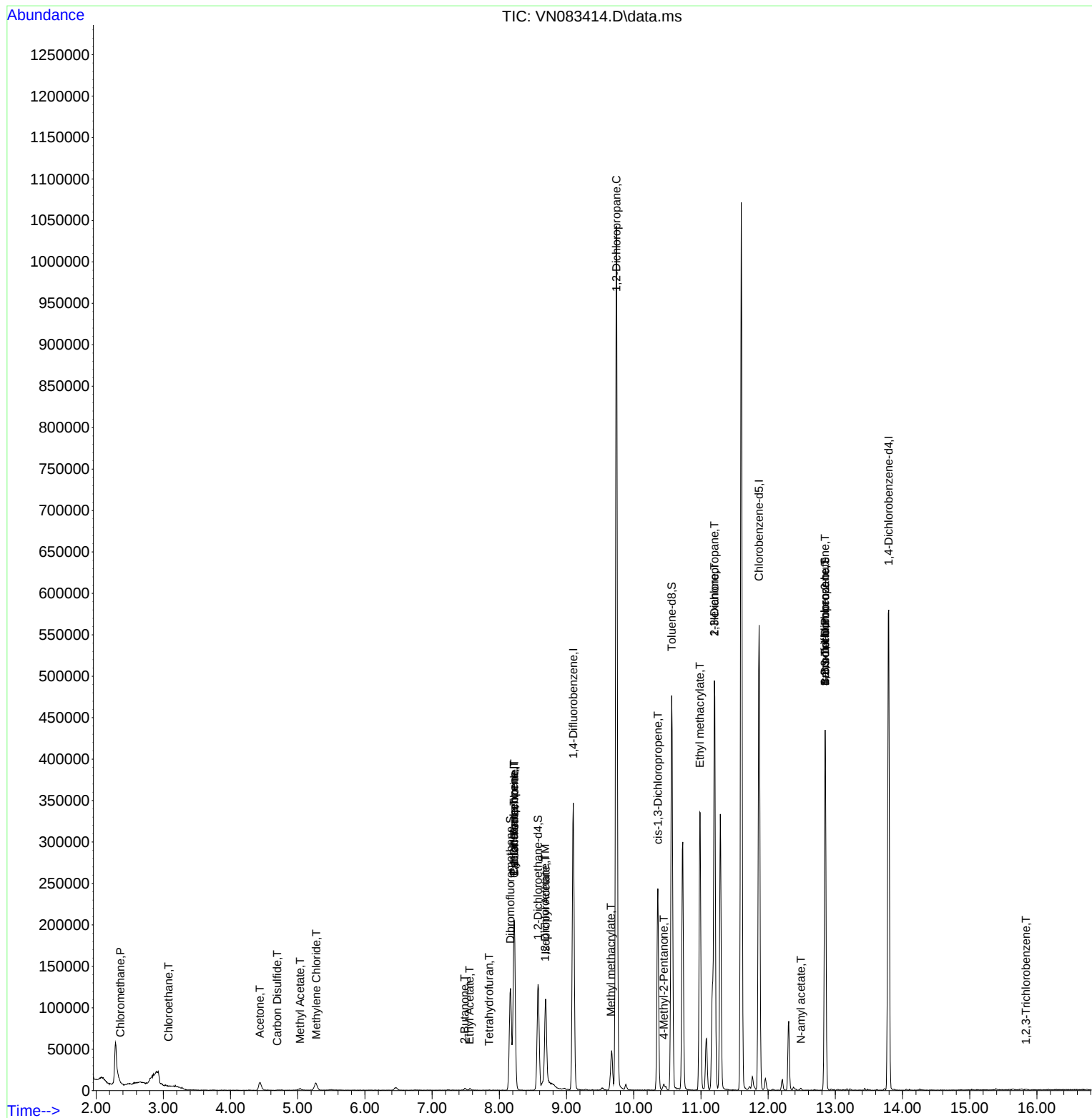
Internal Standards						
1) Pentafluorobenzene	8.218	168	143793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	289434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109207	53.357	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.720%			
35) Dibromofluoromethane	8.165	113	87546	48.459	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.920%			
50) Toluene-d8	10.565	98	317599	47.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.260%			
62) 4-Bromofluorobenzene	12.847	95	151662	57.727	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.460%			
Target Compounds					Qvalue	
3) Chloromethane	2.360	50	530	0.317	ug/l #	43
6) Chloroethane	3.077	64	713	0.669	ug/l #	41
16) Acetone	4.436	43	18249	22.786	ug/l	98
17) Carbon Disulfide	4.695	76	1071	0.230	ug/l #	75
18) Methyl Acetate	5.036	43	4010	1.681	ug/l #	80
20) Methylene Chloride	5.277	84	6652	3.609	ug/l	87
25) 2-Butanone	7.483	43	3336	2.713	ug/l	96
29) Tetrahydrofuran	7.847	42	159	0.200	ug/l #	38
31) Cyclohexane	8.218	56	3431	1.131	ug/l #	20
36) 1,1-Dichloropropene	8.218	75	12949	4.738	ug/l #	51
37) Ethyl Acetate	7.559	43	2933	0.959	ug/l #	89
38) Carbon Tetrachloride	8.224	117	15855	5.151	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	626	0.211	ug/l #	78
43) Isopropyl Acetate	8.689	43	145475	26.211	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	1190	0.616	ug/l #	44
48) Methyl methacrylate	9.659	41	3454	1.365	ug/l #	51
51) 4-Methyl-2-Pentanone	10.447	43	4836	1.671	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	42068	12.397	ug/l #	55
56) Ethyl methacrylate	10.982	69	1065	0.306	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5483	1.669	ug/l #	43
59) 2-Hexanone	11.200	43	67052	29.953	ug/l #	59
71) Bromoform	12.847	173	774	0.420	ug/l #	29
74) N-amyl acetate	12.488	43	1690	0.269	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	82895	24.581	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82895	53.470	ug/l #	6
96) 1,2,3-Trichlorobenzene	15.835	180	616	0.214	ug/l #	55

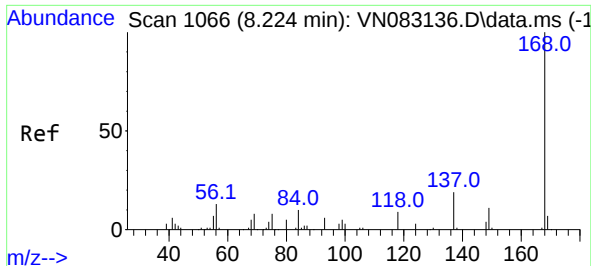
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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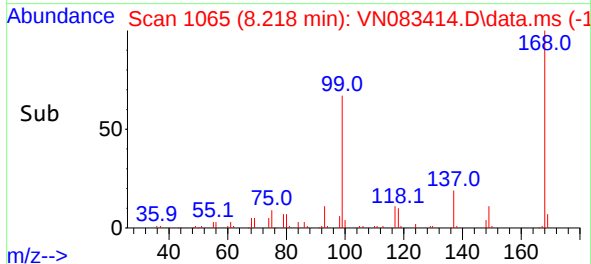
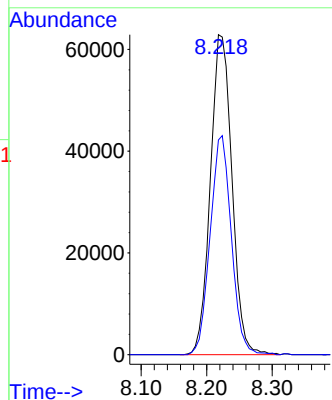
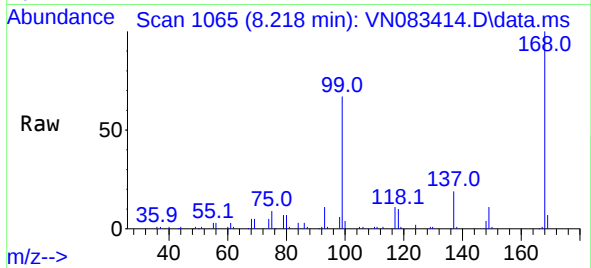




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

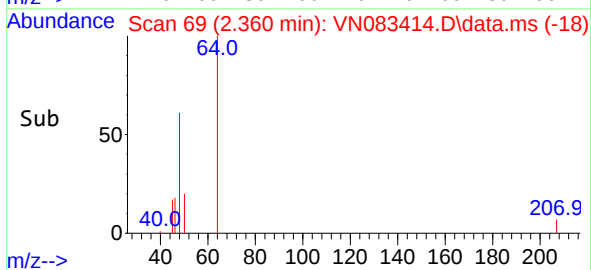
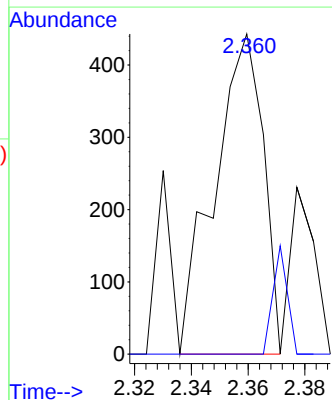
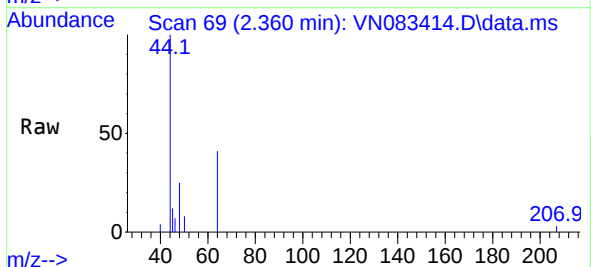
Instrument :
MSVOA_N
ClientSampleId :

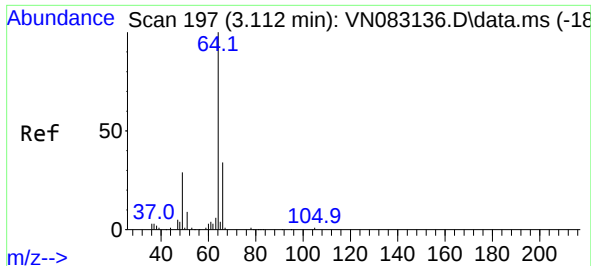
Tgt Ion:168 Resp: 143793
Ion Ratio Lower Upper
168 100
99 67.1 48.2 72.4



#3
Chloromethane
Concen: 0.317 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Tgt Ion: 50 Resp: 530
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

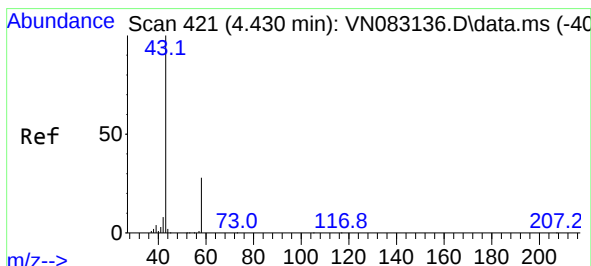
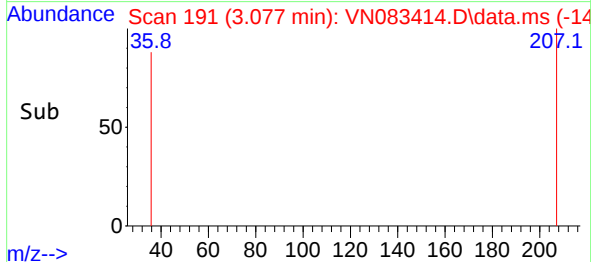
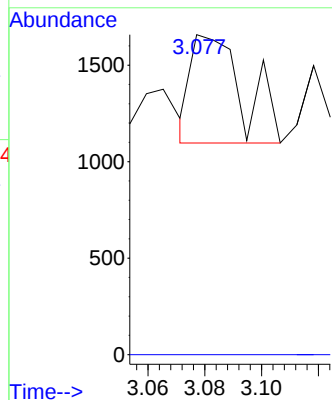
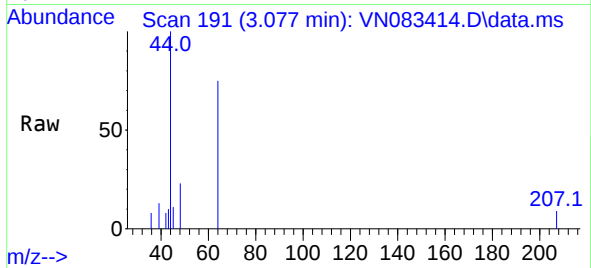




#6
Chloroethane
Concen: 0.669 ug/l
RT: 3.077 min Scan# 197
Delta R.T. -0.035 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

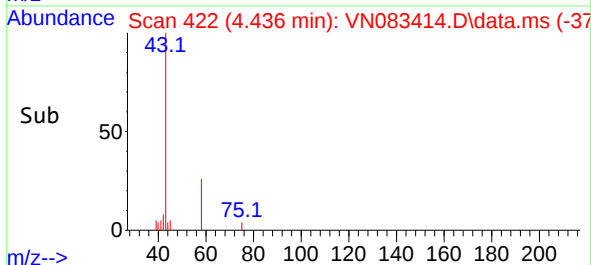
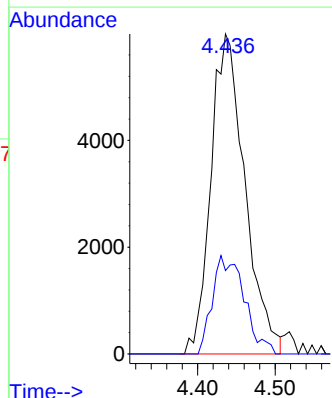
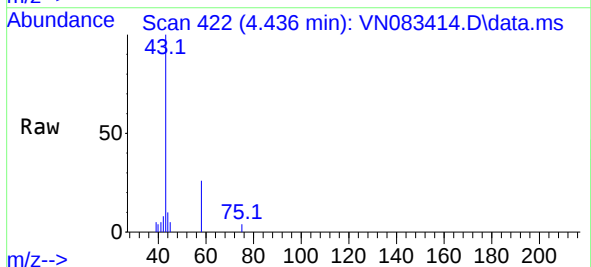
Instrument :
MSVOA_N
ClientSampleId :

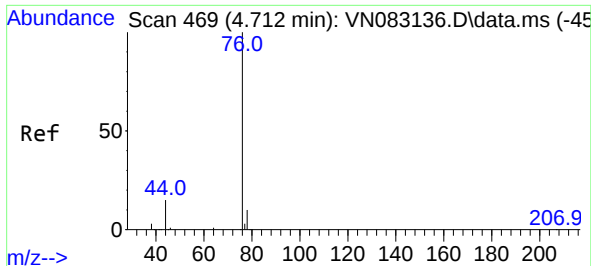
Tgt Ion: 64 Resp: 713
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#16
Acetone
Concen: 22.786 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

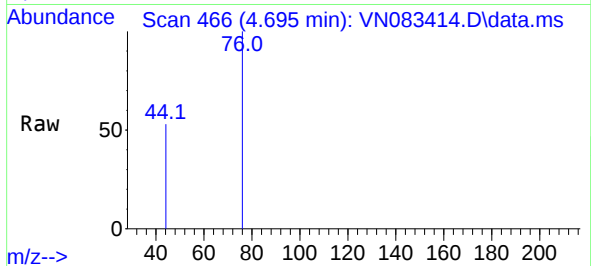
Tgt Ion: 43 Resp: 18249
Ion Ratio Lower Upper
43 100
58 26.1 21.8 32.6



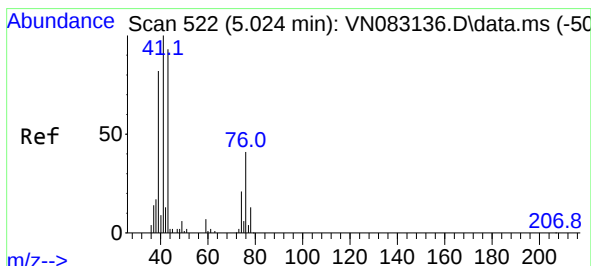
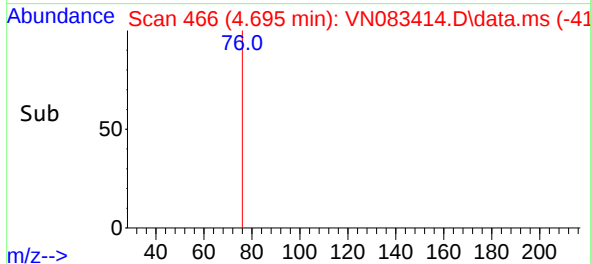
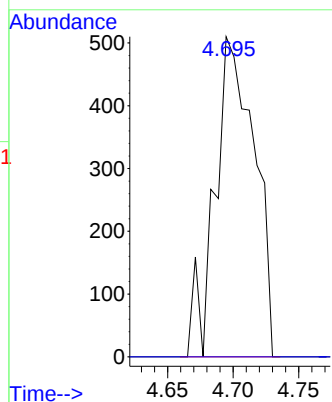


#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 4.695 min Scan# 41
Delta R.T. -0.018 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

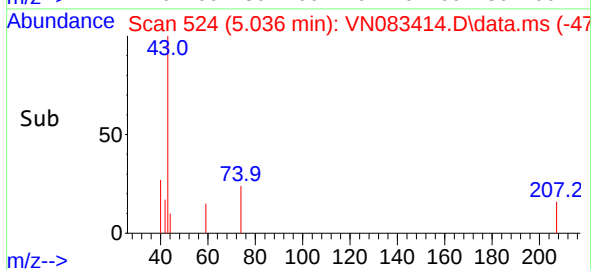
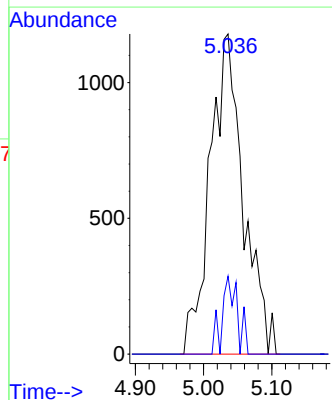
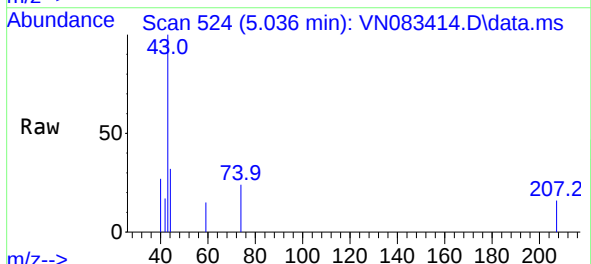


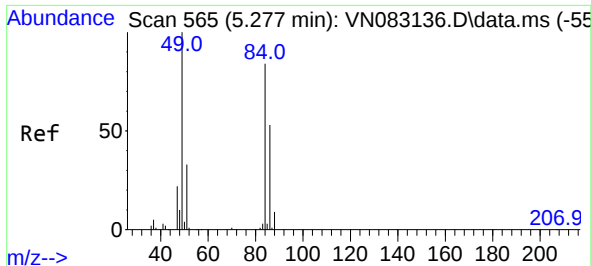
Tgt Ion: 76 Resp: 1071
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.681 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

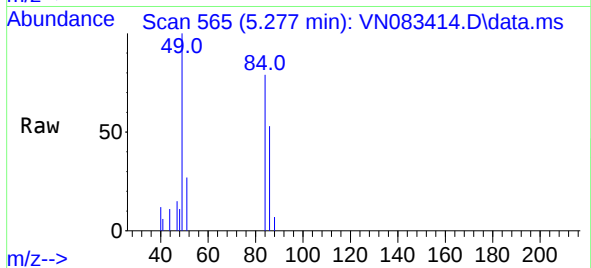
Tgt Ion: 43 Resp: 4010
Ion Ratio Lower Upper
43 100
74 11.3 16.3 24.5#





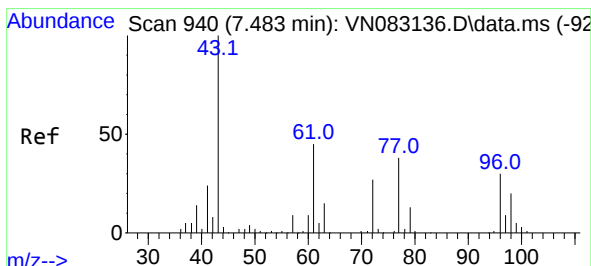
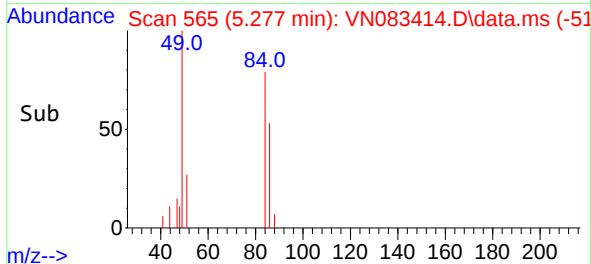
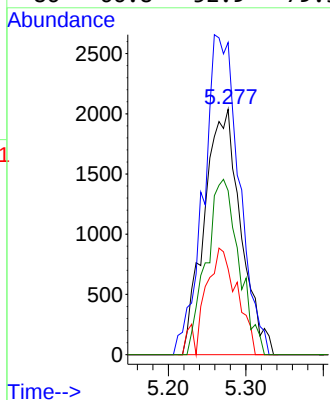
#20
Methylene Chloride
Concen: 3.609 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 6652

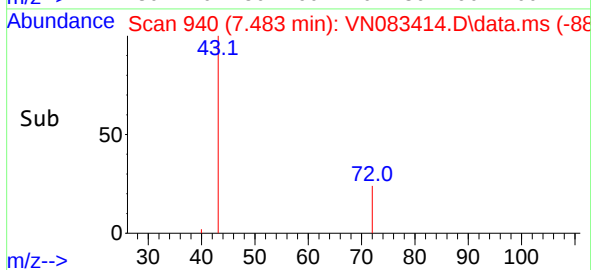
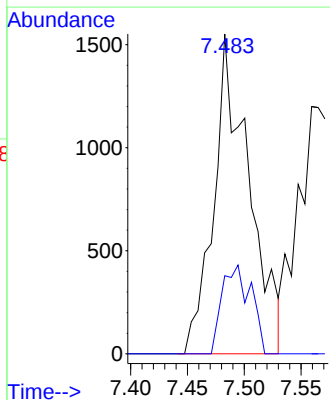
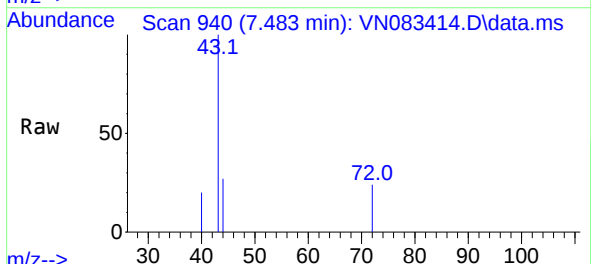
Ion	Ratio	Lower	Upper
84	100		
49	127.2	119.6	179.4
51	34.9	34.8	52.2
86	66.8	52.9	79.3

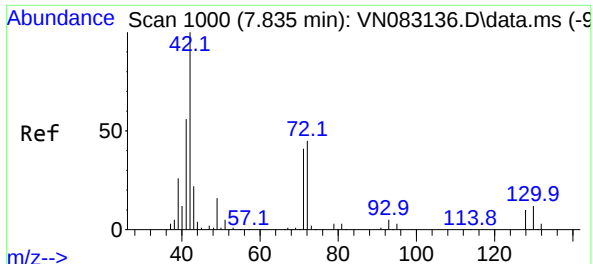


#25
2-Butanone
Concen: 2.713 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Tgt Ion: 43 Resp: 3336

Ion	Ratio	Lower	Upper
43	100		
72	24.4	18.2	27.2

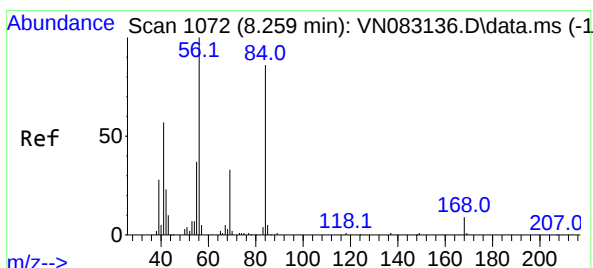
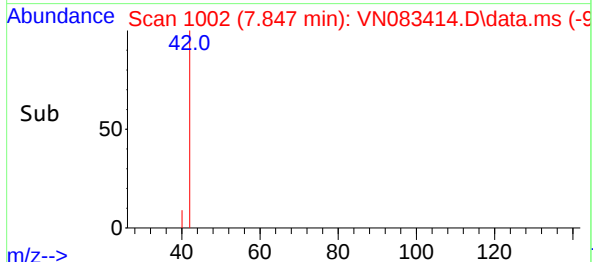
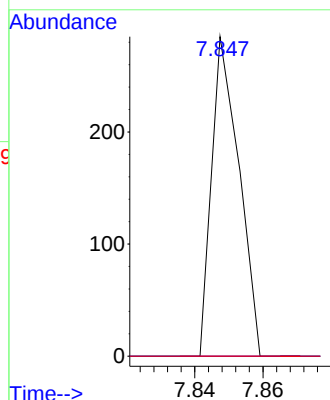
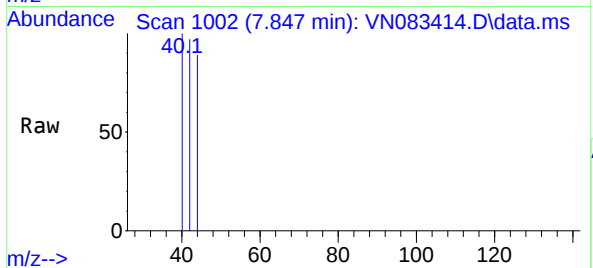




#29
Tetrahydrofuran
Concen: 0.200 ug/l
RT: 7.847 min Scan# 1065
Delta R.T. 0.012 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

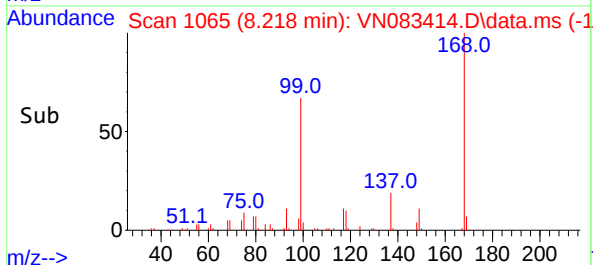
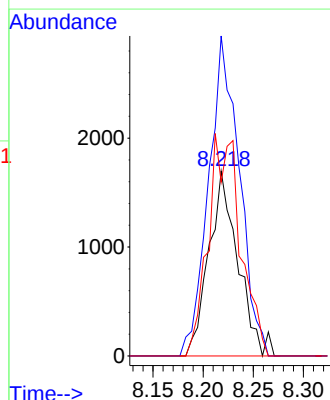
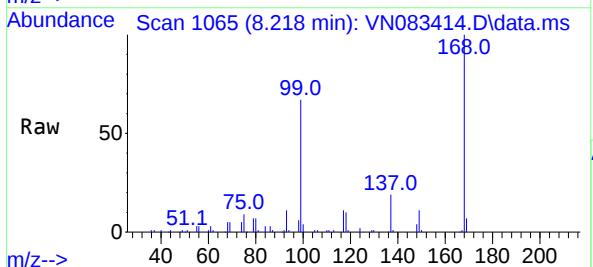
Instrument :
MSVOA_N
ClientSampleId :

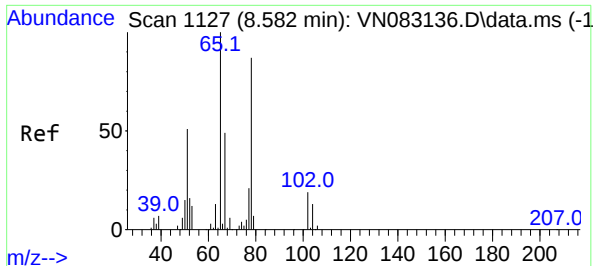
Tgt Ion: 42	Resp: 159
Ion Ratio	Lower Upper
42	100
72	0.0 30.0 45.0#
71	0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

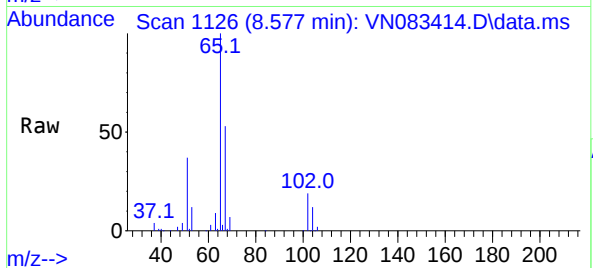
Tgt Ion: 56	Resp: 3431
Ion Ratio	Lower Upper
56	100
69	173.1 24.5 36.7#
84	94.0 66.0 99.0



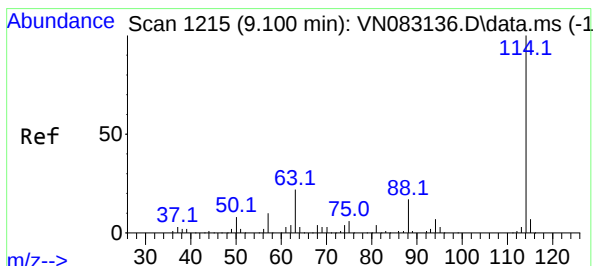
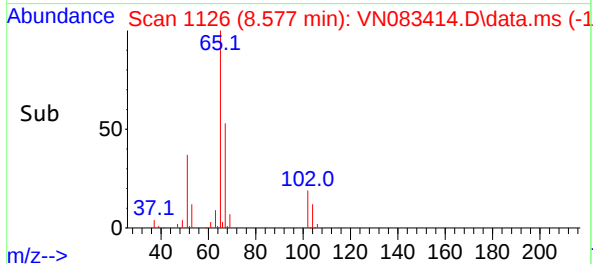
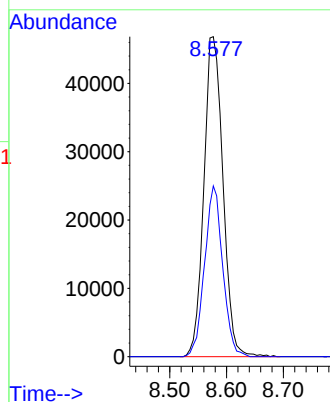


#33
1,2-Dichloroethane-d4
Concen: 53.357 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

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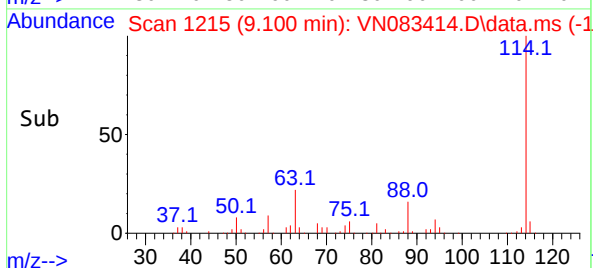
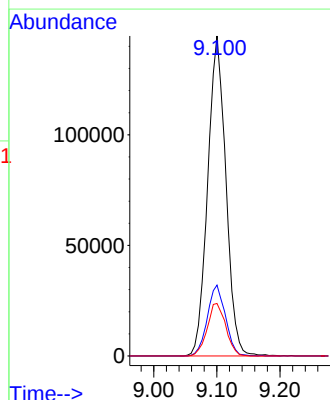
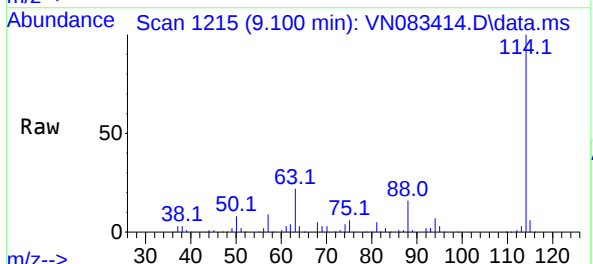


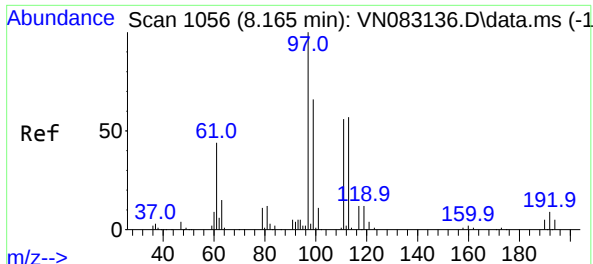
Tgt Ion: 65 Resp: 109207
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

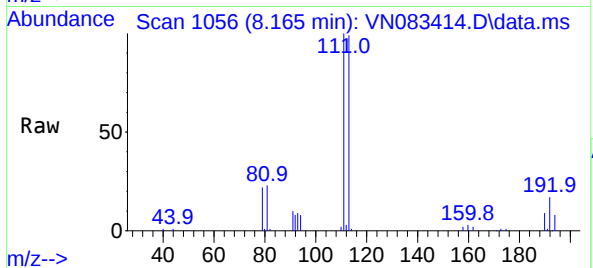
Tgt Ion: 114 Resp: 289434
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.6
88 16.4 0.0 31.4





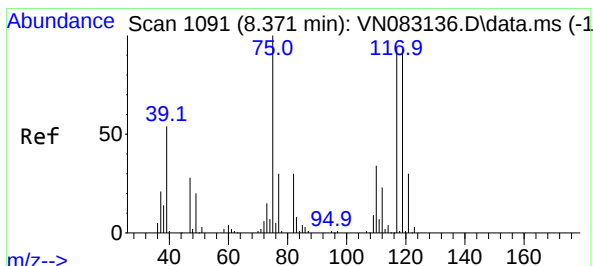
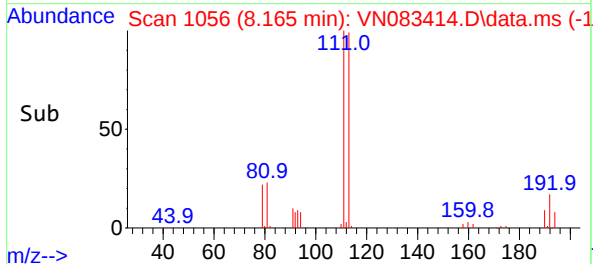
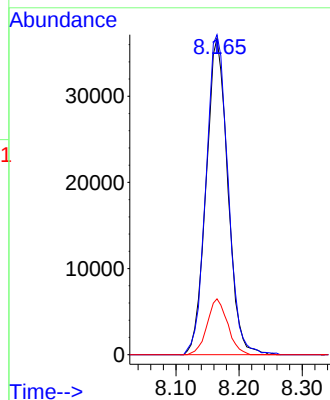
#35
Dibromofluoromethane
Concen: 48.459 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 113 Resp: 87546

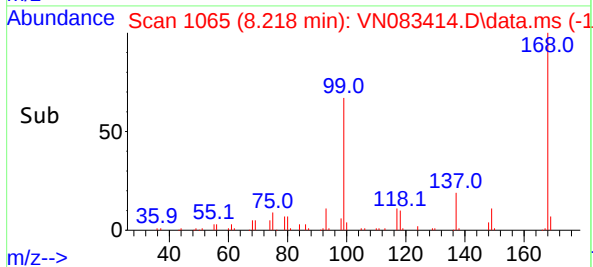
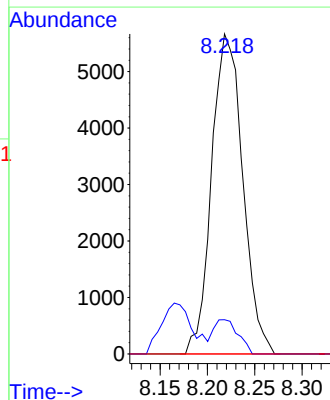
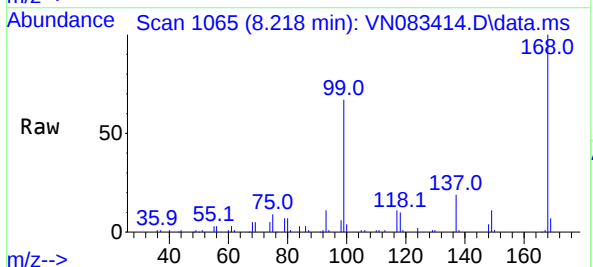
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	16.7	14.9	22.3

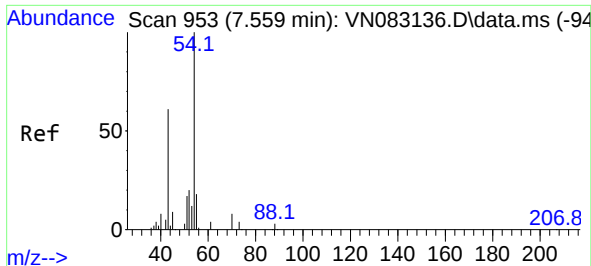


#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Tgt Ion: 75 Resp: 12949

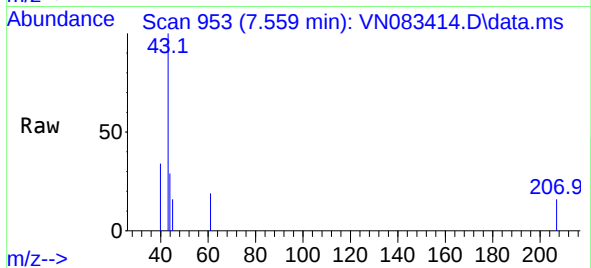
Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.3	48.9#
77	0.0	24.6	37.0#



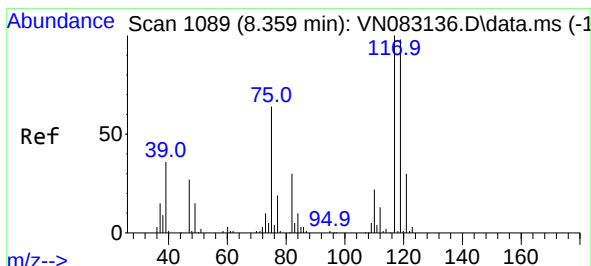
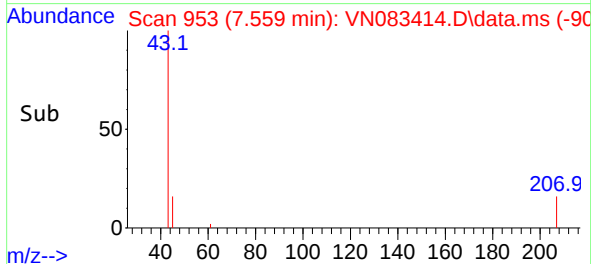
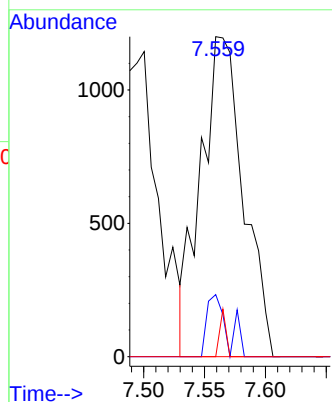


#37
Ethyl Acetate
Concen: 0.959 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

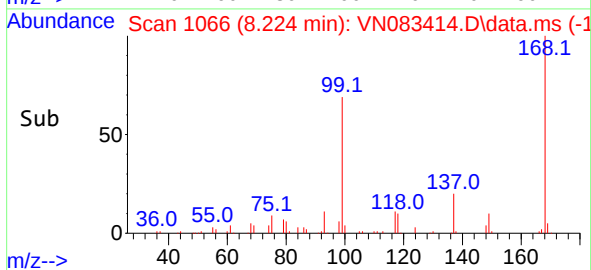
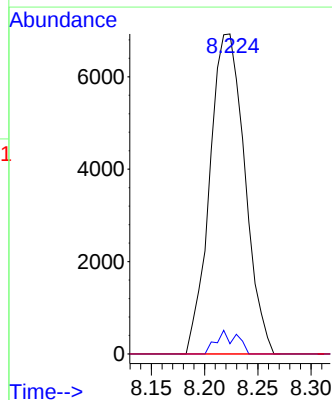
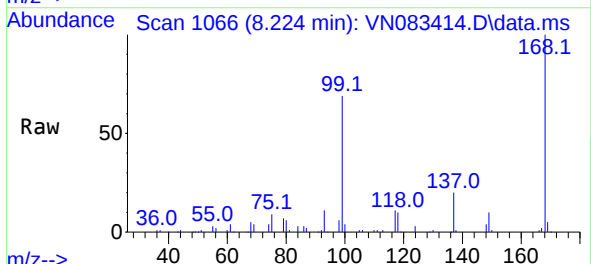


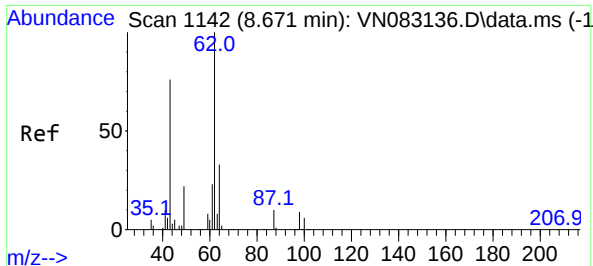
Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
61 9.3 9.3 13.9
70 2.1 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.151 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Tgt Ion: 117 Resp: 15855
Ion Ratio Lower Upper
117 100
119 3.2 74.9 112.3#
121 0.0 24.3 36.5#

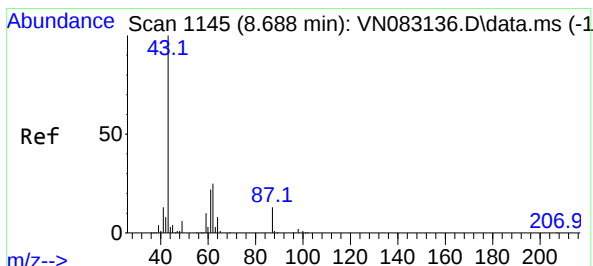
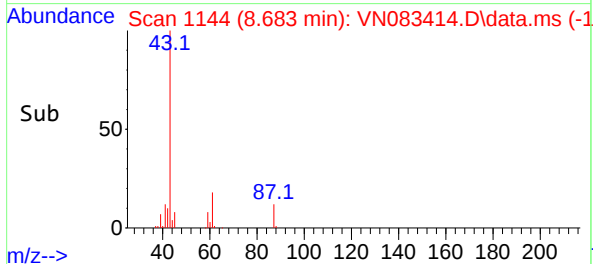
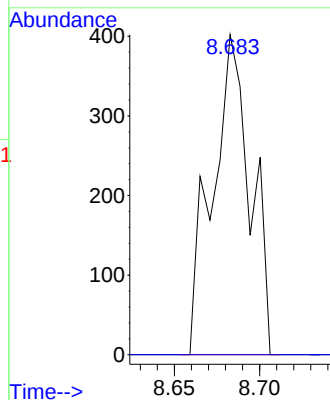
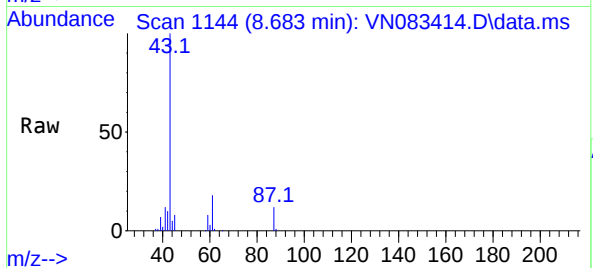




#42
1,2-Dichloroethane
Concen: 0.211 ug/l
RT: 8.683 min Scan# 1142
Delta R.T. 0.012 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

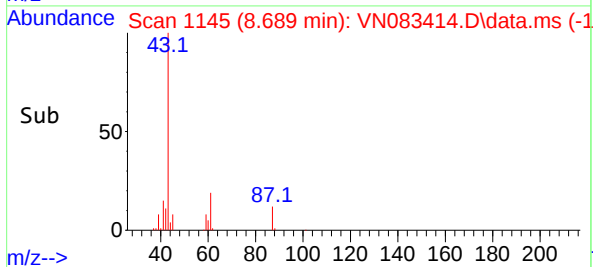
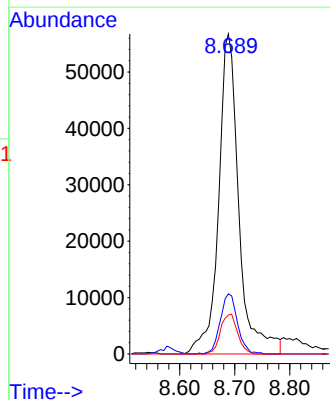
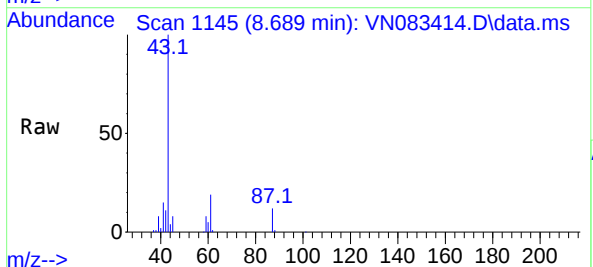
Instrument :
MSVOA_N
ClientSampleId :

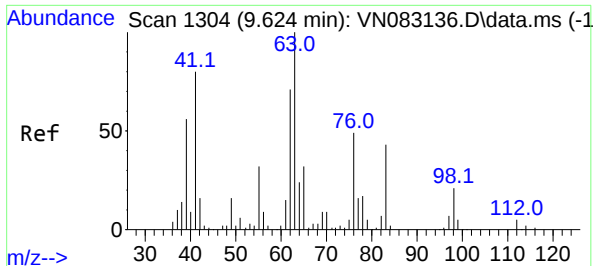
Tgt Ion: 62 Resp: 626
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



#43
Isopropyl Acetate
Concen: 26.211 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.001 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Tgt Ion: 43 Resp: 145475
Ion Ratio Lower Upper
43 100
61 16.0 17.8 26.6#
87 10.5 8.2 12.2

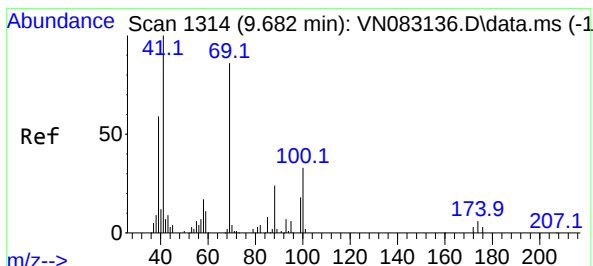
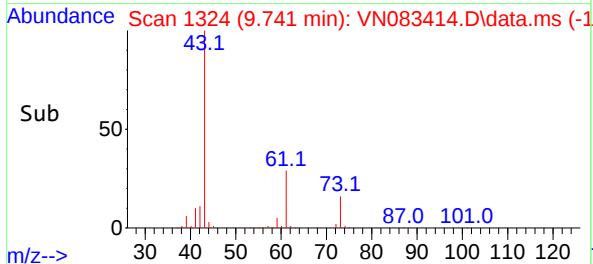
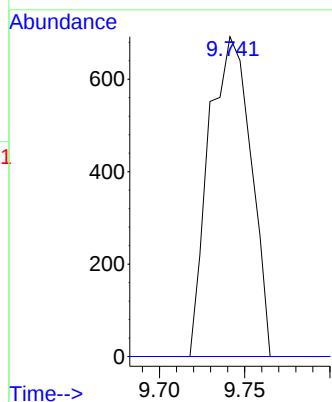
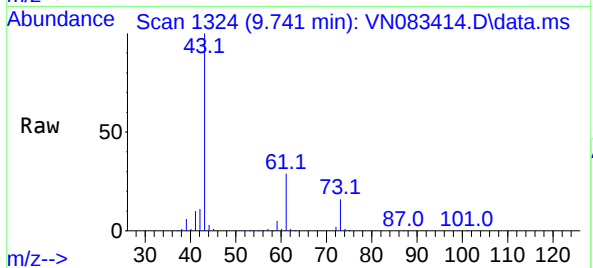




#45
1,2-Dichloropropane
Concen: 0.616 ug/l
RT: 9.741 min Scan# 1190
Delta R.T. 0.118 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

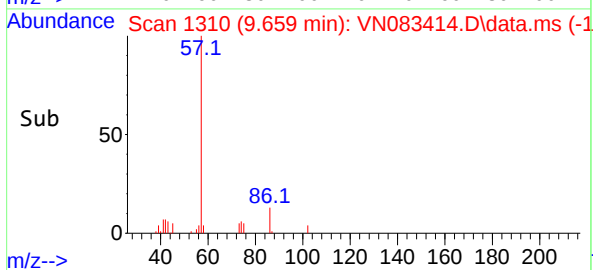
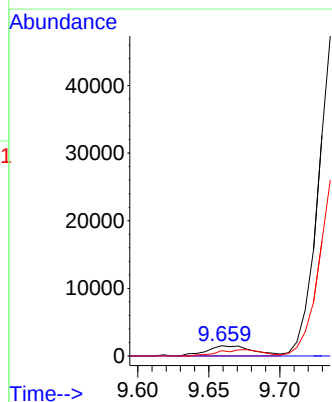
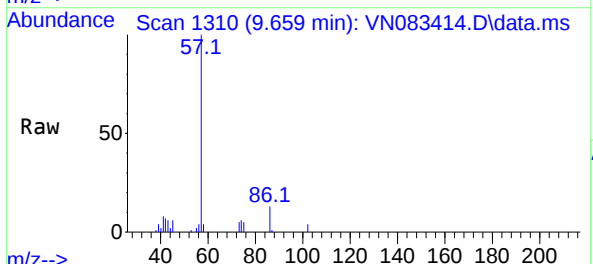
Instrument :
MSVOA_N
ClientSampleId :

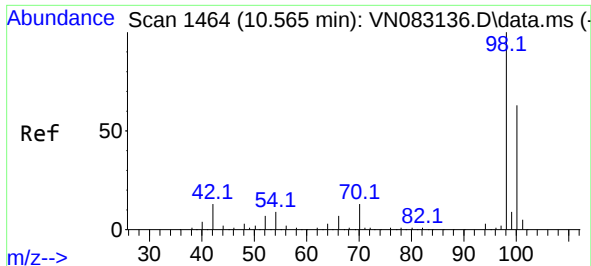
Tgt Ion: 63 Resp: 1190
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 1.365 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.023 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

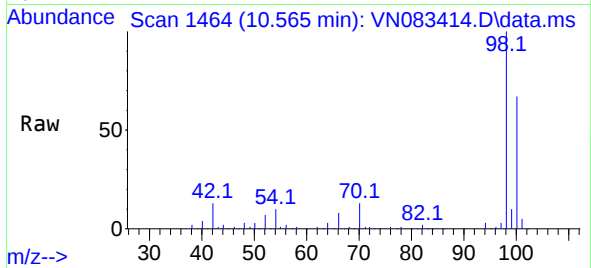
Tgt Ion: 41 Resp: 3454
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 57.2 50.3 75.5



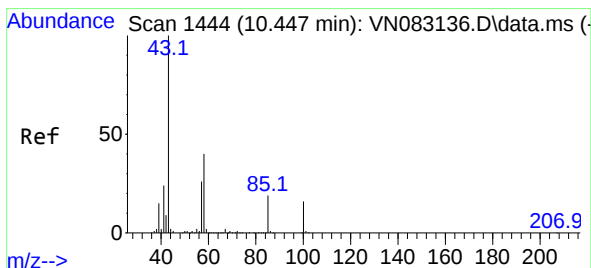
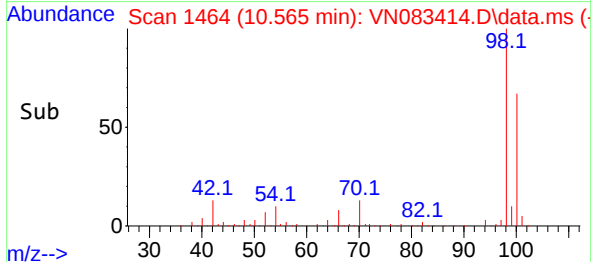
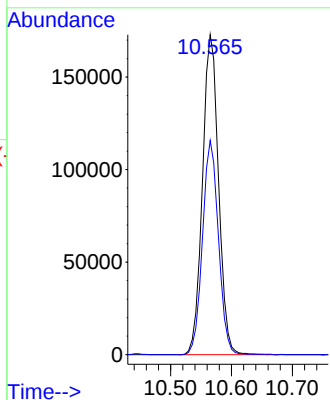


#50
Toluene-d8
Concen: 47.129 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

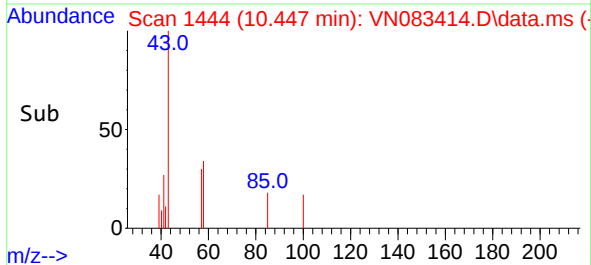
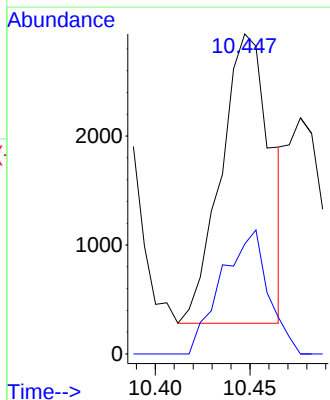
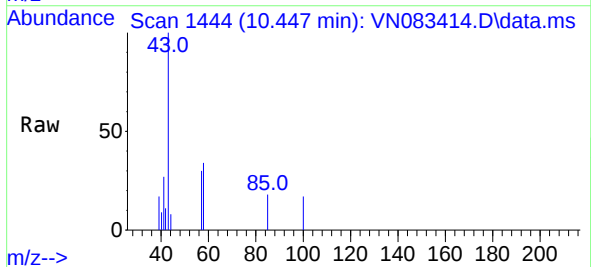


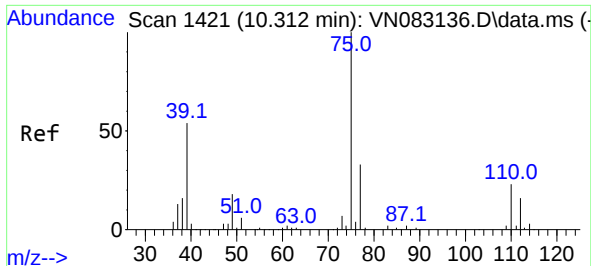
Tgt Ion: 98 Resp: 317599
Ion Ratio Lower Upper
98 100
100 66.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.671 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Tgt Ion: 43 Resp: 4836
Ion Ratio Lower Upper
43 100
58 40.3 28.2 42.4

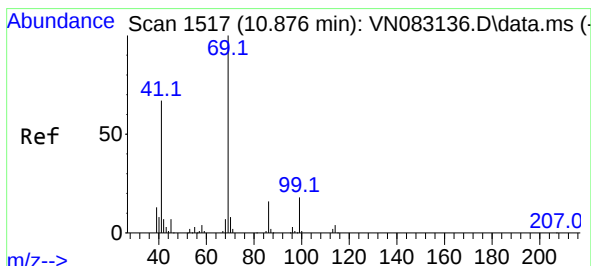
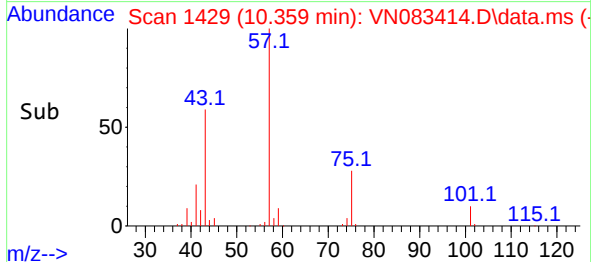
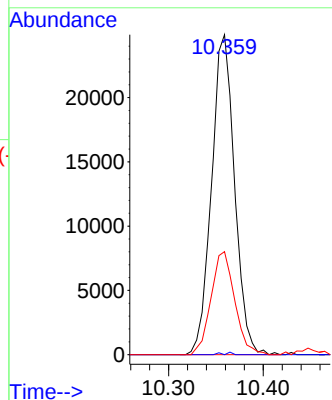
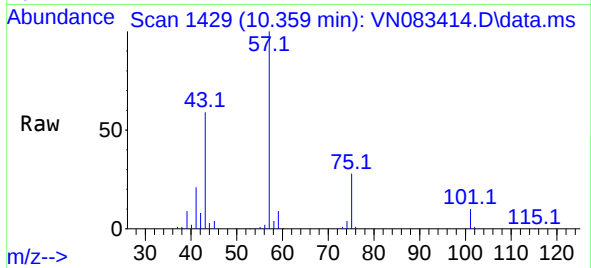




#54
cis-1,3-Dichloropropene
Concen: 12.397 ug/l
RT: 10.359 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

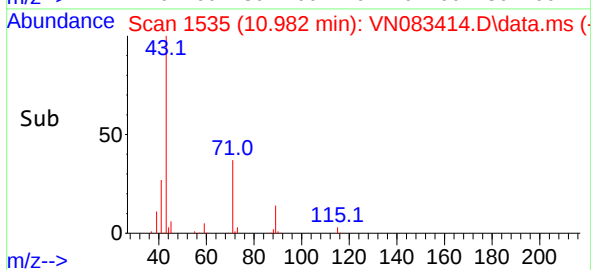
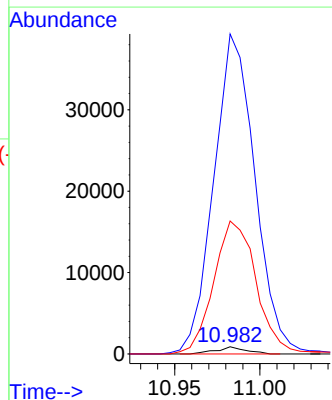
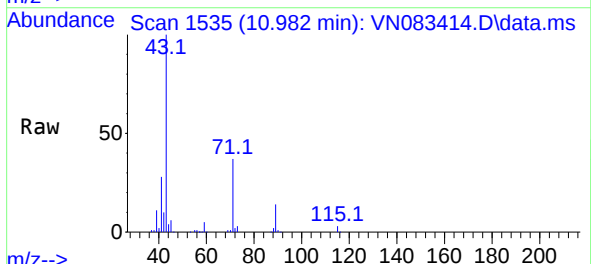
Instrument :
MSVOA_N
ClientSampleId :

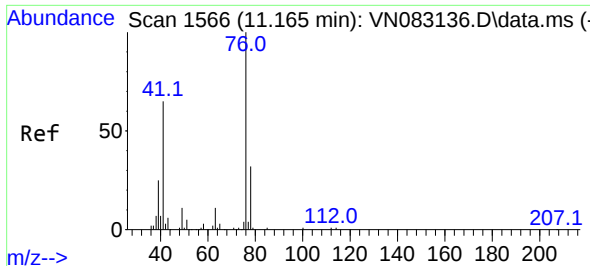
Tgt Ion: 75 Resp: 42068
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 32.2 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.306 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Tgt Ion: 69 Resp: 1065
Ion Ratio Lower Upper
69 100
41 6239.4 63.4 95.2#
39 2668.9 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.669 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

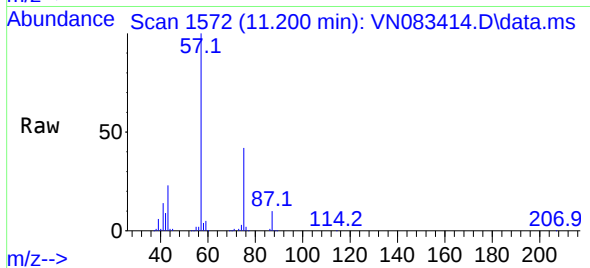
Lab File: VN083414.D

Acq: 21 Aug 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

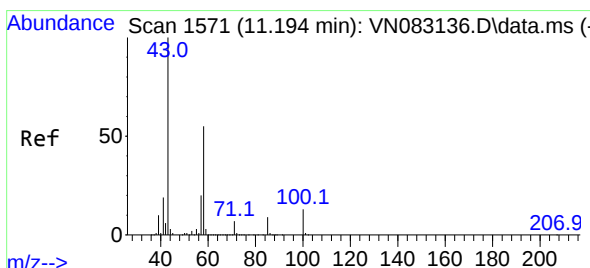
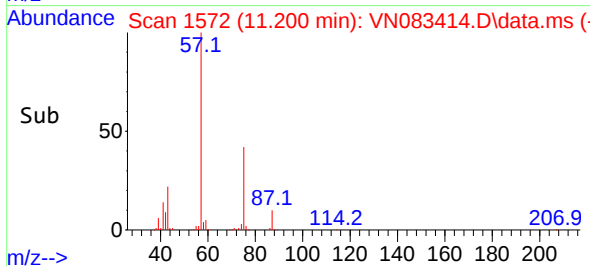
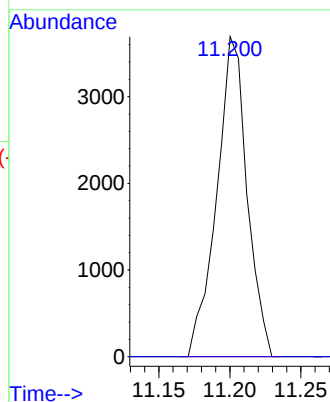


Tgt Ion: 76 Resp: 5483

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 29.953 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083414.D

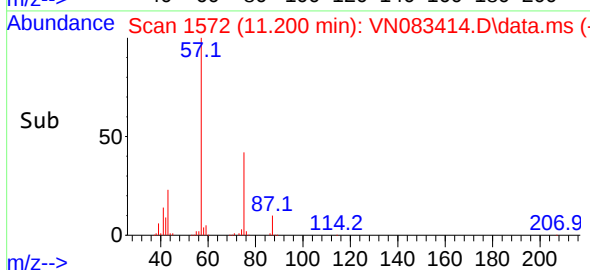
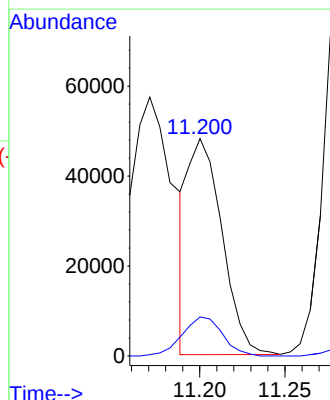
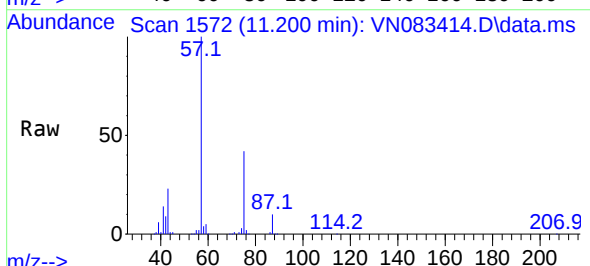
Acq: 21 Aug 2024 17:30

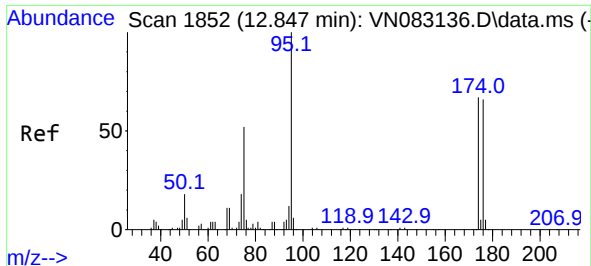
Tgt Ion: 43 Resp: 67052

Ion Ratio Lower Upper

43 100

58 21.2 24.6 73.8#

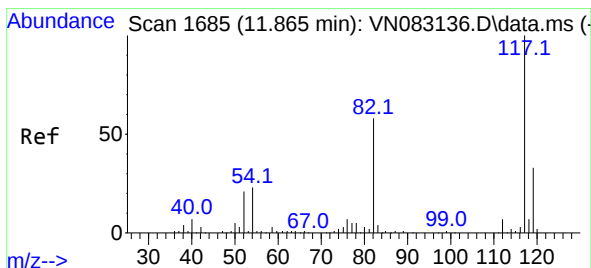
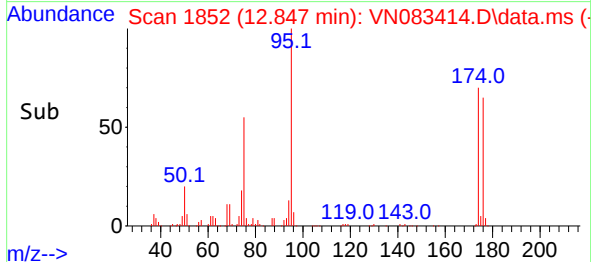
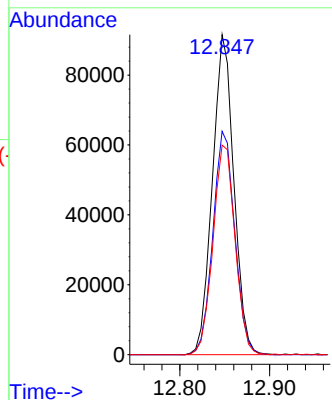
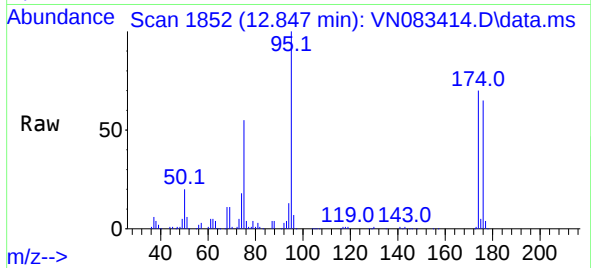




#62
4-Bromofluorobenzene
Concen: 57.727 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

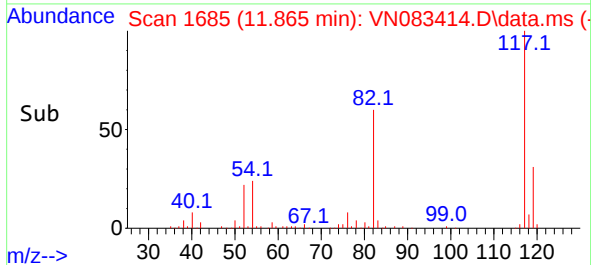
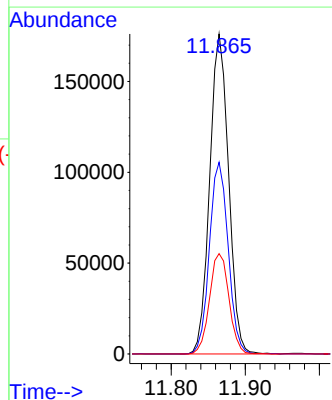
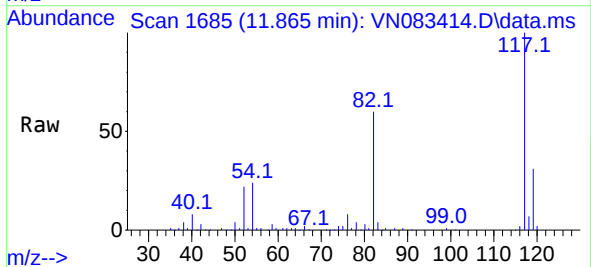
Instrument :
MSVOA_N
ClientSampleId :

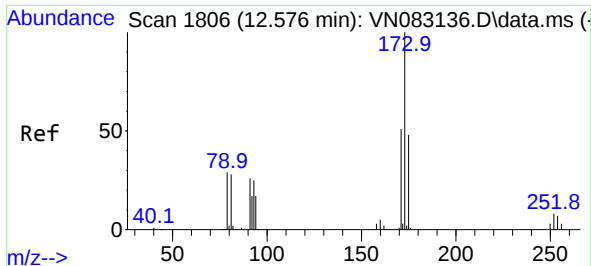
Tgt Ion: 95 Resp: 151662
Ion Ratio Lower Upper
95 100
174 71.4 0.0 159.2
176 67.6 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

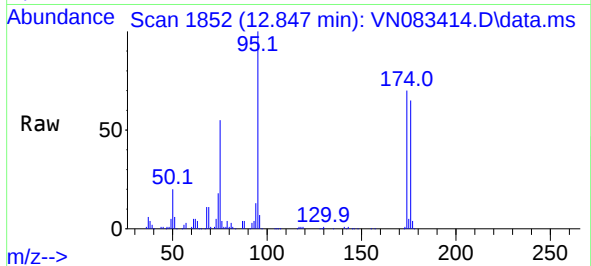
Tgt Ion: 117 Resp: 311939
Ion Ratio Lower Upper
117 100
82 59.9 47.5 71.3
119 31.4 25.6 38.4



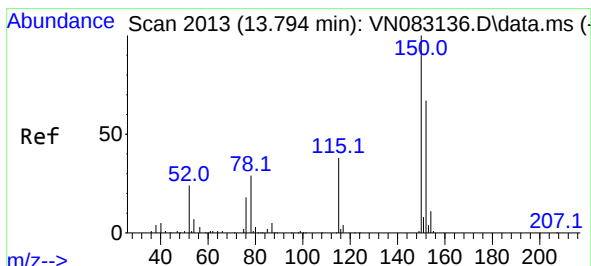
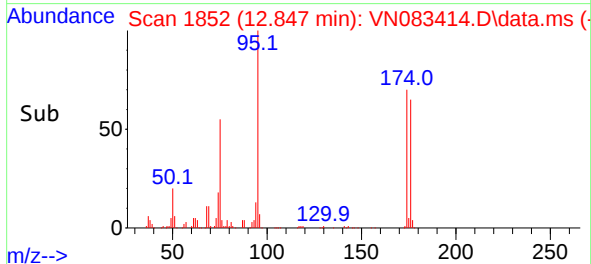
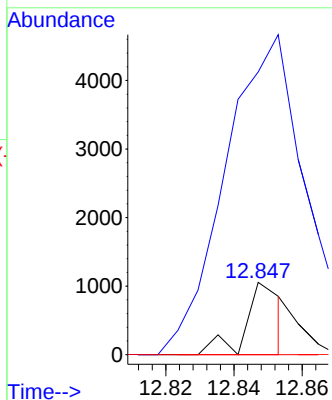


#71
Bromoform
Concen: 0.420 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

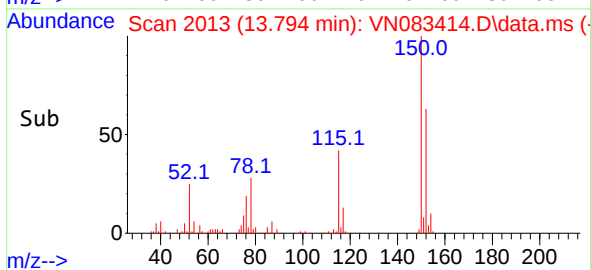
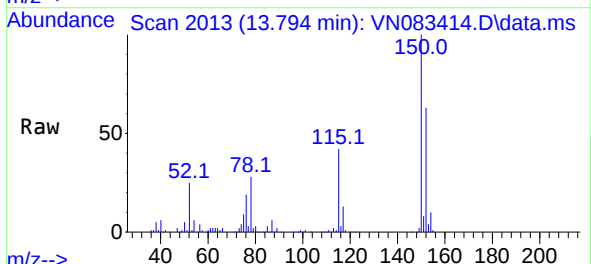
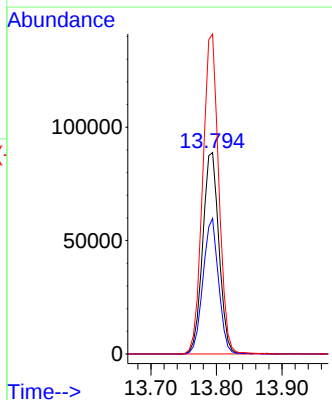


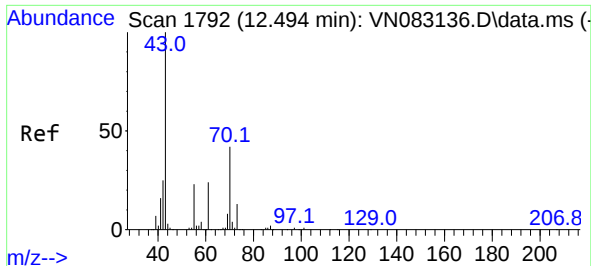
Tgt Ion:173 Resp: 774
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

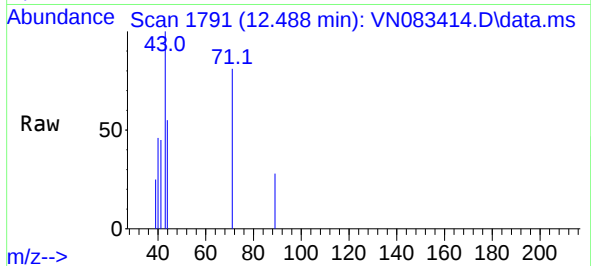
Tgt Ion:152 Resp: 153654
Ion Ratio Lower Upper
152 100
115 64.3 30.6 91.6
150 156.6 0.0 348.6





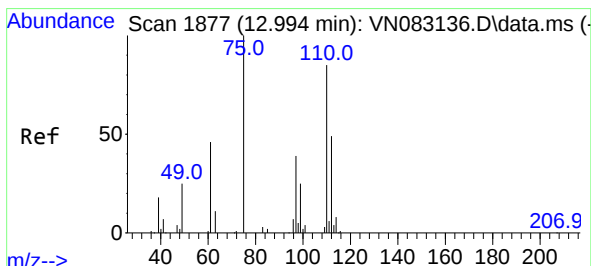
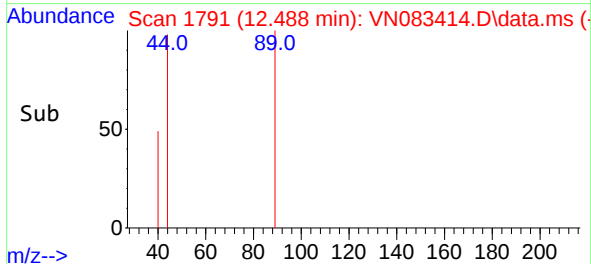
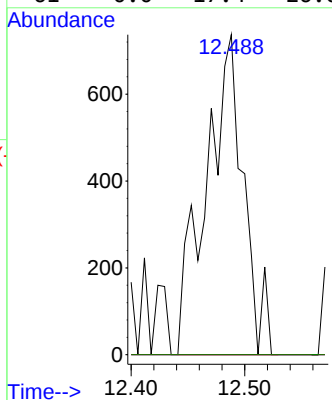
#74
N-amy1 acetate
Concen: 0.269 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 1690

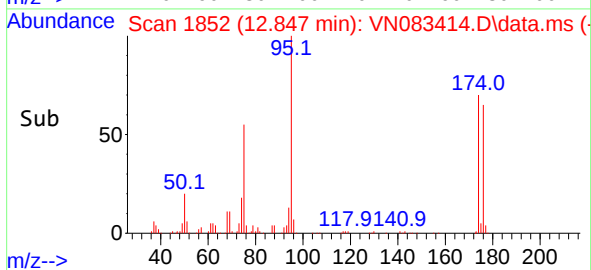
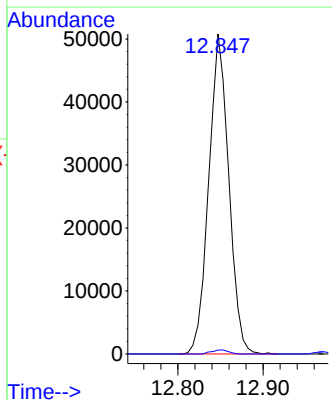
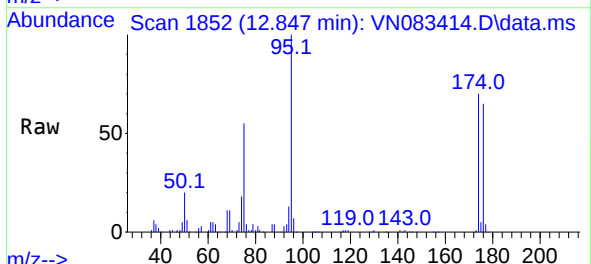
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.8	44.6#
55	0.0	18.7	28.1#
61	0.0	17.4	26.0#

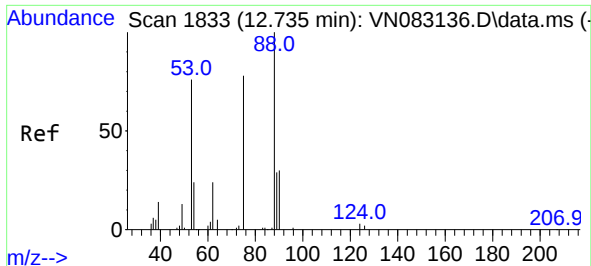


#76
1,2,3-Trichloropropane
Concen: 24.581 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Tgt Ion: 75 Resp: 82895

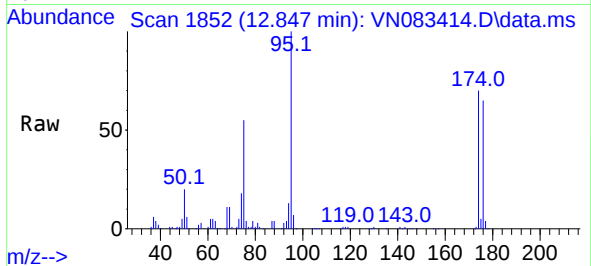
Ion	Ratio	Lower	Upper
75	100		
77	1.0	110.9	332.6#



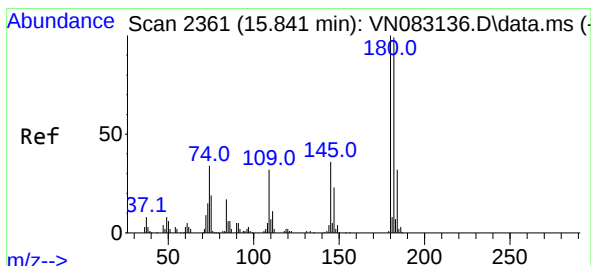
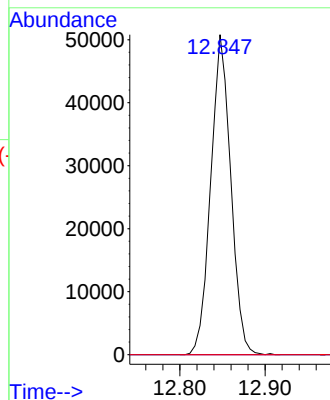
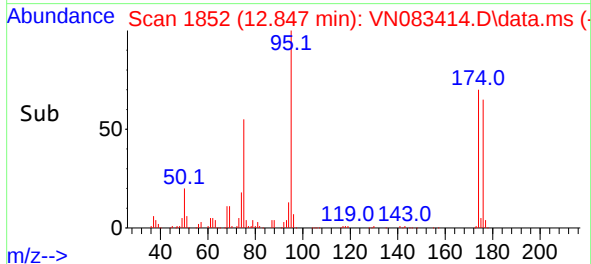


#81
trans-1,4-Dichloro-2-butene
Concen: 53.470 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 82895
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#96
1,2,3-Trichlorobenzene
Concen: 0.214 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN083414.D
Acq: 21 Aug 2024 17:30

Tgt Ion:180 Resp: 616
Ion Ratio Lower Upper
180 100
182 58.8 48.9 146.8
145 0.0 16.8 50.4#

