

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082172.D
 Acq On : 16 May 2024 19:18
 Operator : JC\MD
 Sample : PB160937ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#07

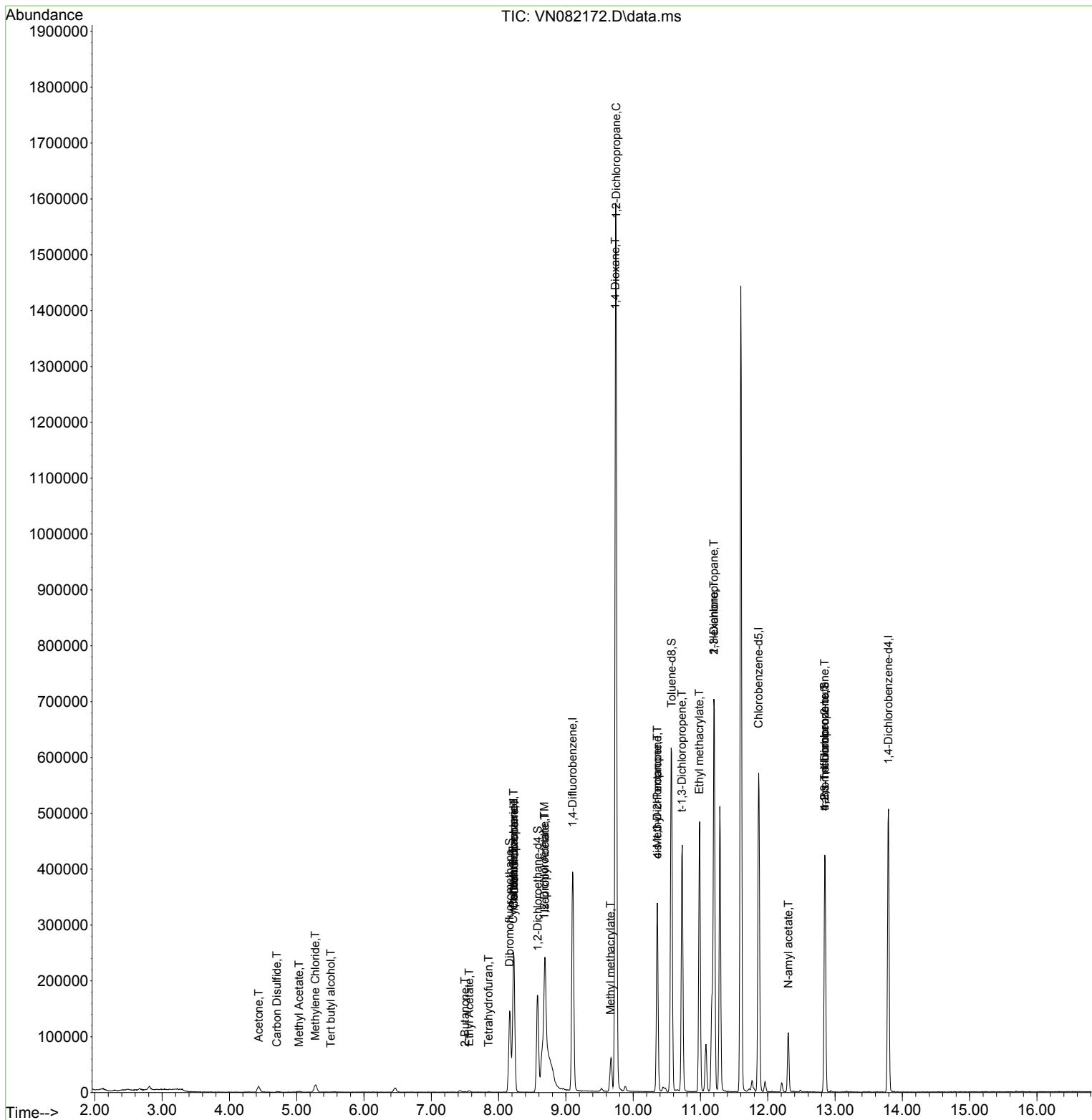
Quant Time: May 17 05:07:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:08:43 2024
 Response via : Initial Calibration

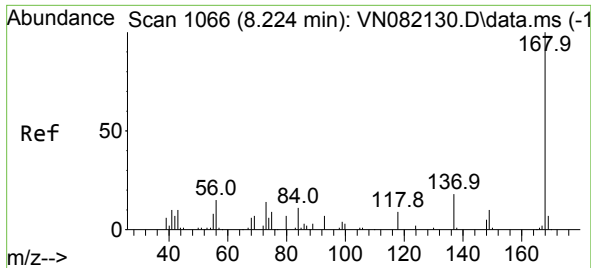
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	173913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	141607	51.566	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.140%			
35) Dibromofluoromethane	8.165	113	99670	51.418	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	10.571	98	404457	54.422	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.840%			
62) 4-Bromofluorobenzene	12.847	95	135020	50.901	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 101.800%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	106	0.240	ug/l #	71
16) Acetone	4.436	43	20696	18.372	ug/l	95
17) Carbon Disulfide	4.706	76	1493	0.243	ug/l #	74
18) Methyl Acetate	5.036	43	3335	1.189	ug/l #	59
20) Methylene Chloride	5.277	84	9138	4.020	ug/l #	73
25) 2-Butanone	7.500	43	2187	1.280	ug/l #	43
29) Tetrahydrofuran	7.853	42	492	0.449	ug/l #	29
31) Cyclohexane	8.218	56	5357	1.221	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	15997	4.921	ug/l #	49
37) Ethyl Acetate	7.565	43	4843	1.331	ug/l #	86
38) Carbon Tetrachloride	8.224	117	19301	5.857	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1711	0.459	ug/l #	73
43) Isopropyl Acetate	8.688	43	489681	75.956	ug/l #	63
45) 1,2-Dichloropropane	9.747	63	1684	0.673	ug/l #	45
48) Methyl methacrylate	9.665	41	4696	1.529	ug/l #	8
49) 1,4-Dioxane	9.735	88	181	4.205	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	133187	36.361	ug/l #	43
53) t-1,3-Dichloropropene	10.724	75	883	0.246	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	51411	13.546	ug/l #	76
56) Ethyl methacrylate	10.982	69	1511	0.421	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6358	1.608	ug/l #	42
59) 2-Hexanone	11.200	43	106302	39.635	ug/l #	48
74) N-amyl acetate	12.306	43	36862	6.723	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	79702	30.180	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79702	70.590	ug/l #	12

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

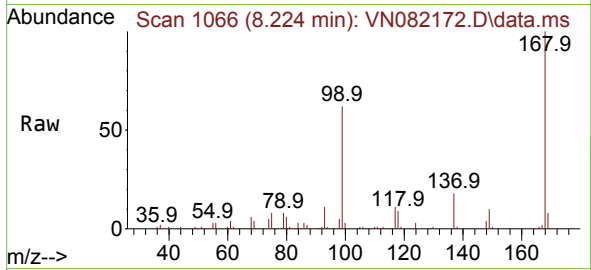
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:08:43 2024
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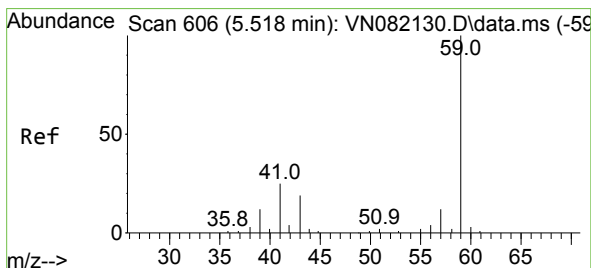
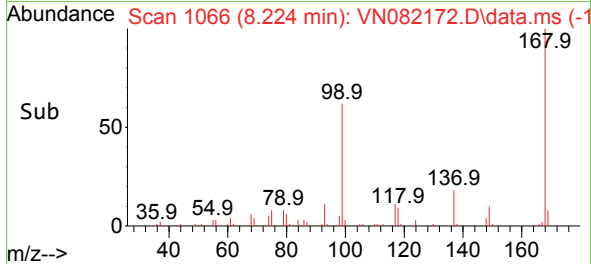
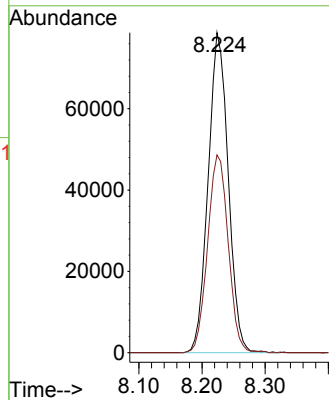


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#07

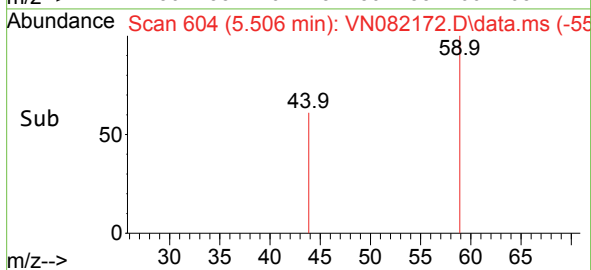
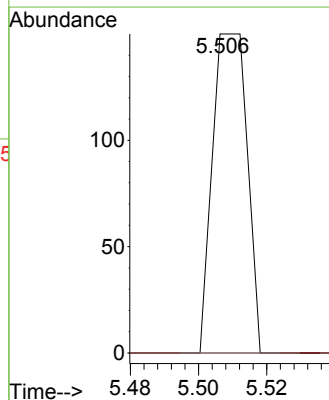
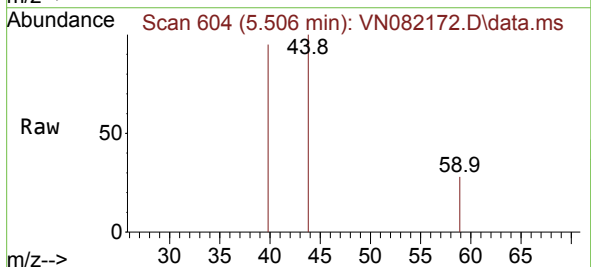


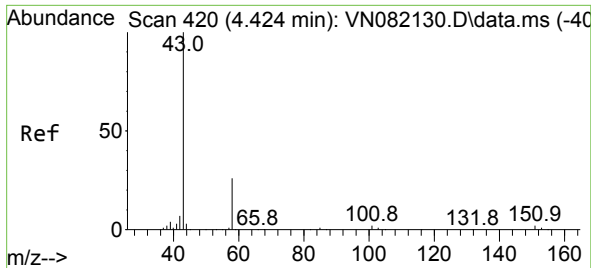
Tgt Ion:168 Resp: 173913
Ion Ratio Lower Upper
168 100
99 61.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.240 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

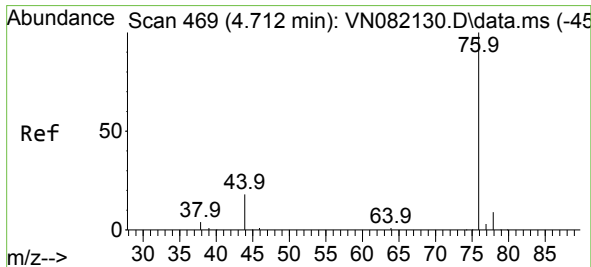
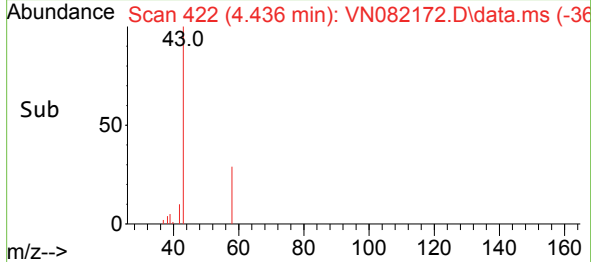
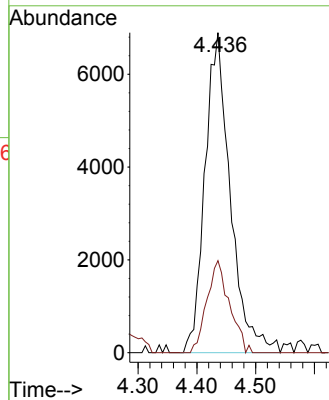
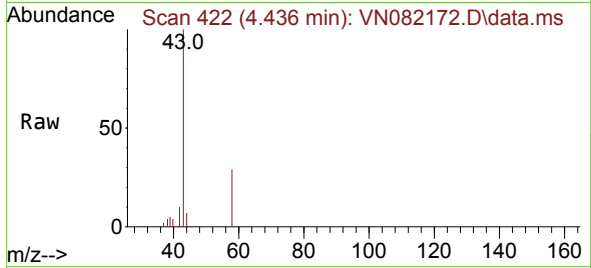




#16
Acetone
Concen: 18.372 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

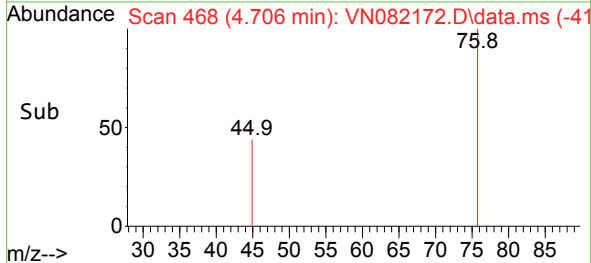
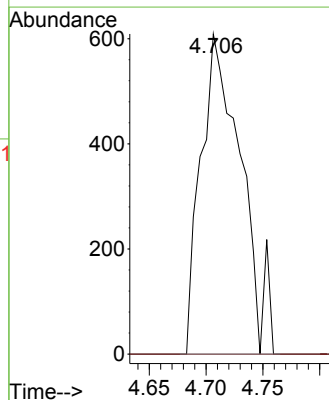
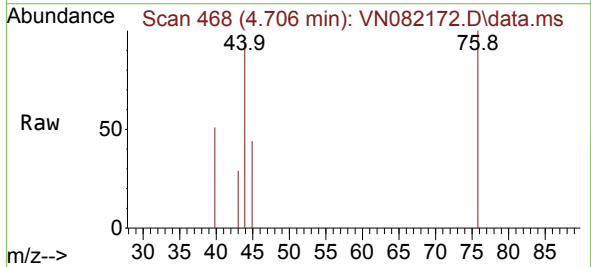
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ClientSampleId :
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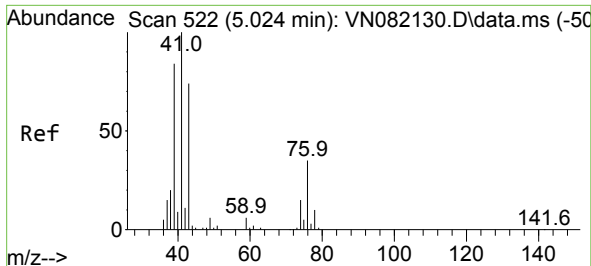
Tgt Ion: 43 Resp: 20696
Ion Ratio Lower Upper
43 100
58 28.7 25.2 37.8



#17
Carbon Disulfide
Concen: 0.243 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 76 Resp: 1493
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

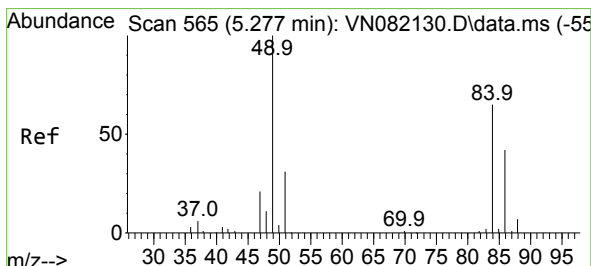
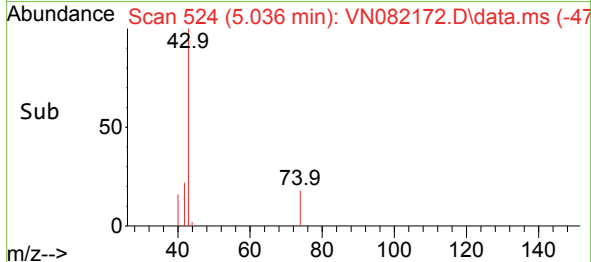
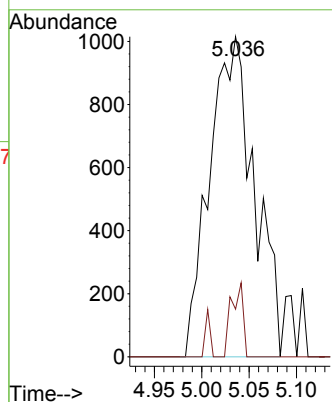
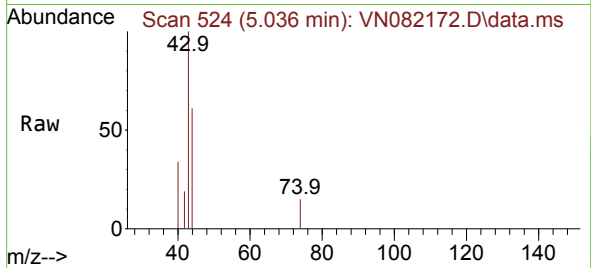




#18
Methyl Acetate
Concen: 1.189 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

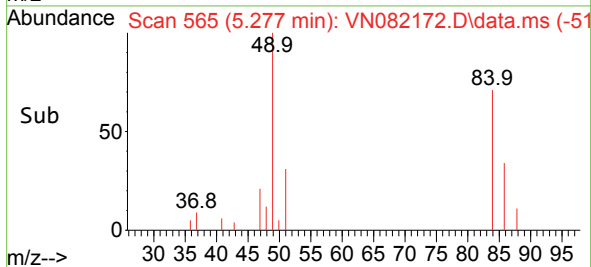
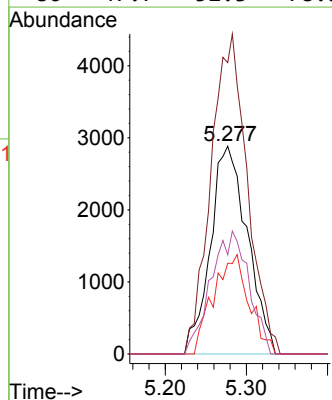
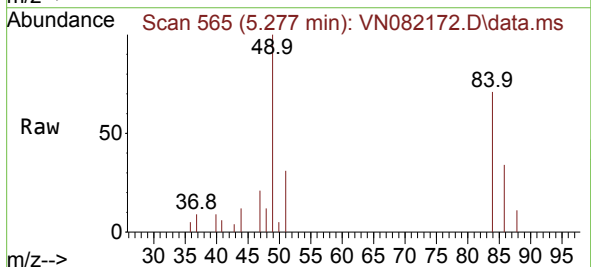
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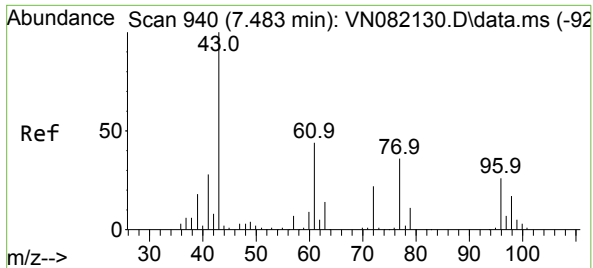
Tgt Ion: 43 Resp: 3335
Ion Ratio Lower Upper
43 100
74 6.1 22.2 33.2#



#20
Methylene Chloride
Concen: 4.020 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 84 Resp: 9138
Ion Ratio Lower Upper
84 100
49 140.2 84.9 127.3#
51 43.7 27.0 40.6#
86 47.7 52.3 78.5#

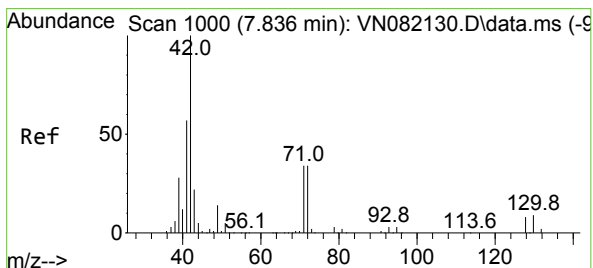
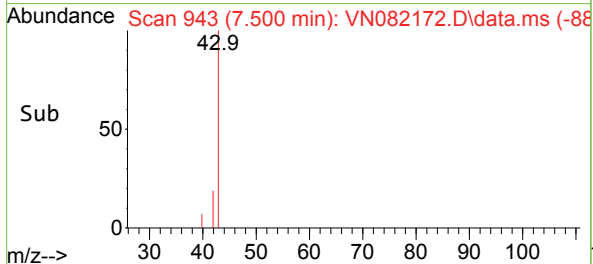
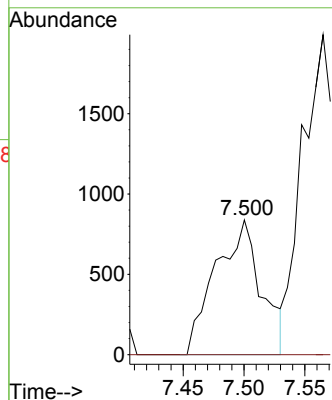
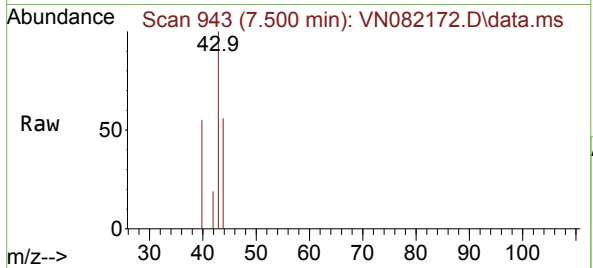




#25
2-Butanone
Concen: 1.280 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

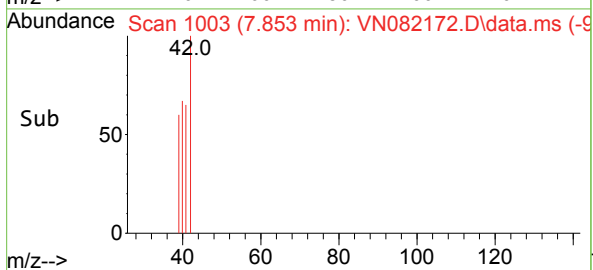
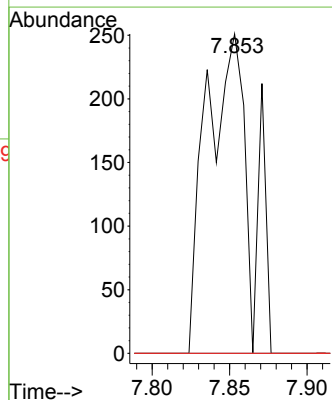
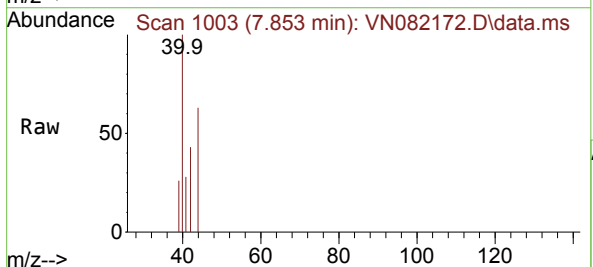
Instrument :
MSVOA_N
ClientSampleId :
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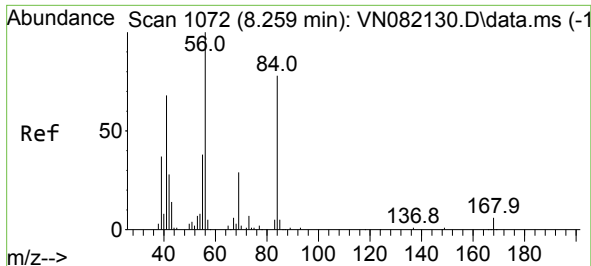
Tgt Ion: 43 Resp: 2187
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.449 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 42 Resp: 492
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#

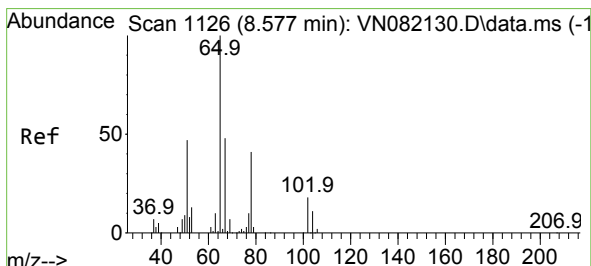
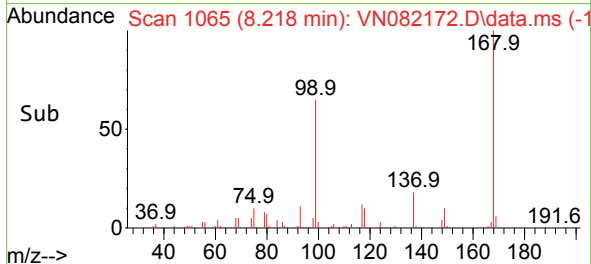
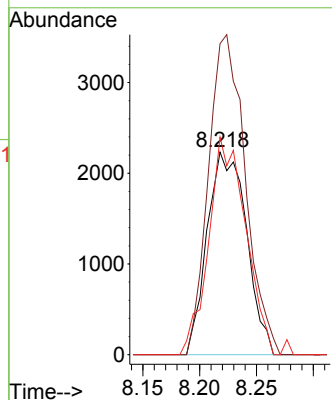
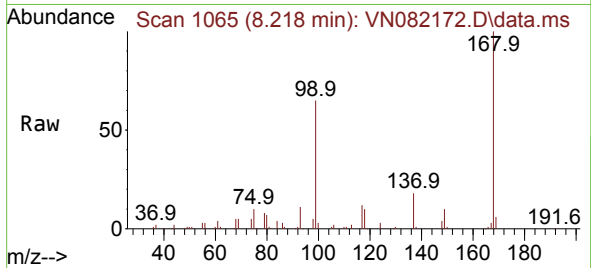




#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

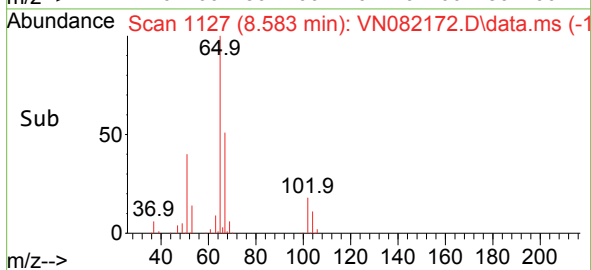
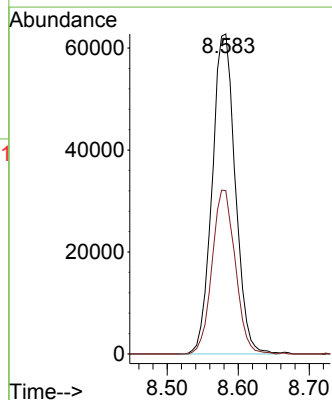
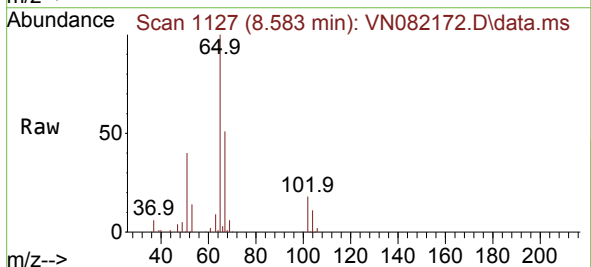
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ClientSampleId :
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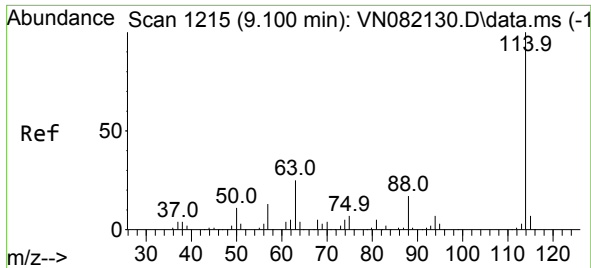
Tgt Ion: 56 Resp: 5357
Ion Ratio Lower Upper
56 100
69 153.5 24.4 36.6#
84 107.3 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.566 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 65 Resp: 141607
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

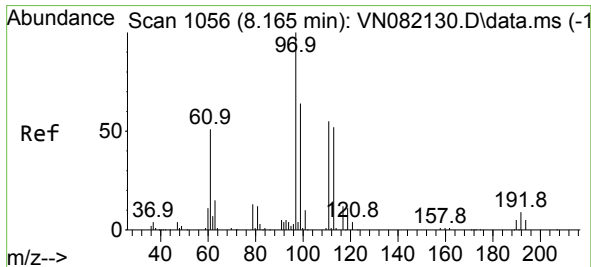
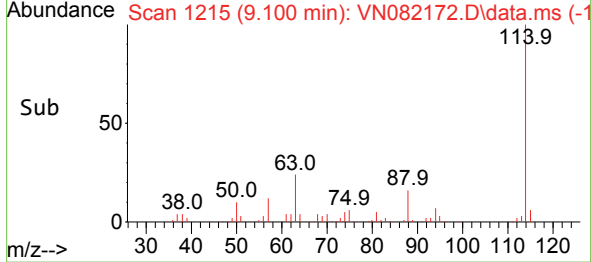
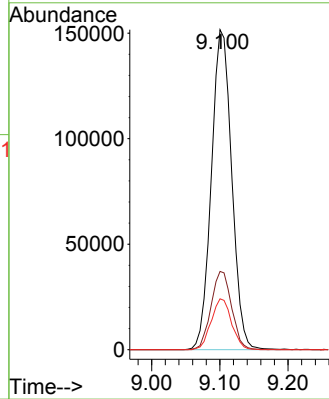
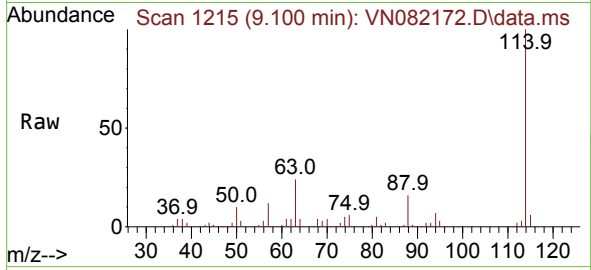




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

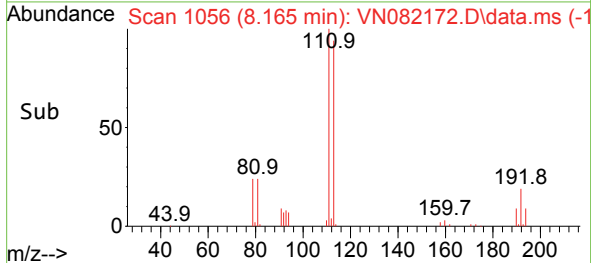
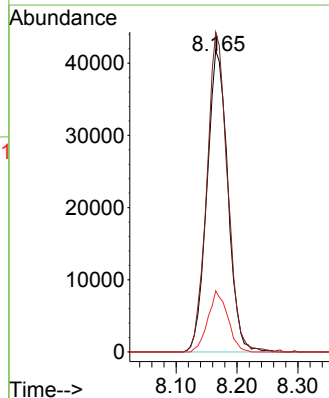
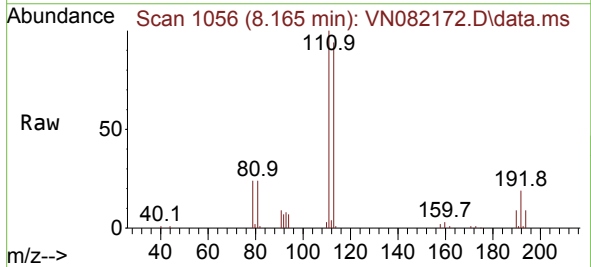
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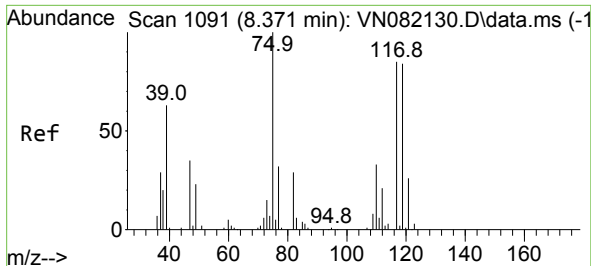
Tgt Ion:114 Resp: 315115
Ion Ratio Lower Upper
114 100
63 24.4 0.0 41.0
88 15.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.418 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

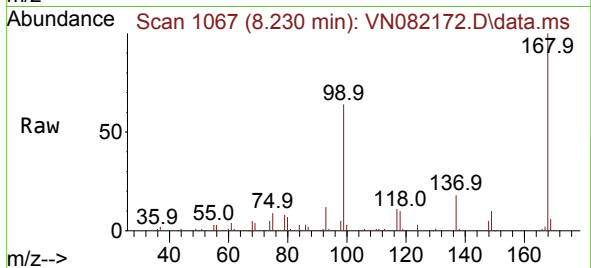
Tgt Ion:113 Resp: 99670
Ion Ratio Lower Upper
113 100
111 104.7 83.4 125.2
192 19.1 14.0 21.0



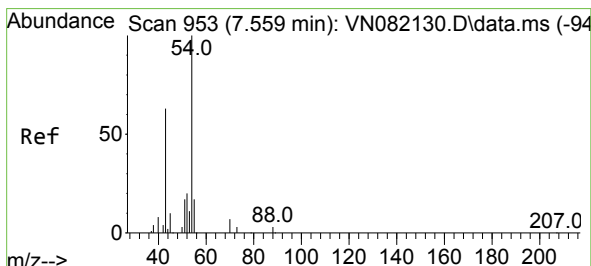
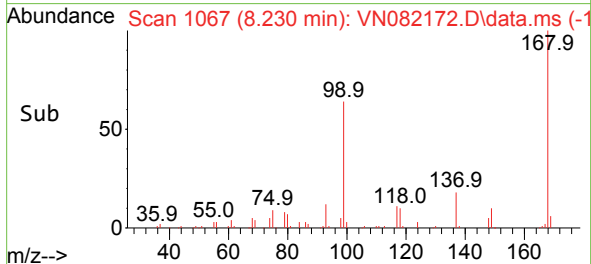
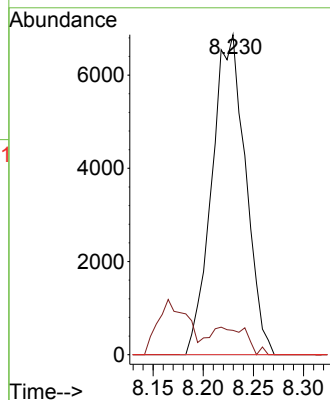


#36
1,1-Dichloropropene
Concen: 4.921 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#07

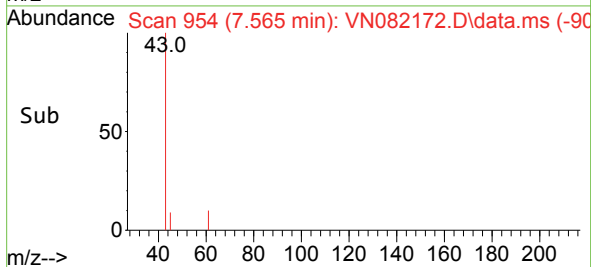
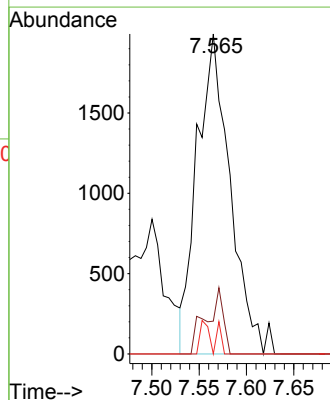
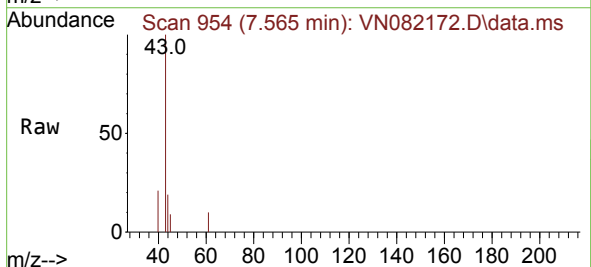


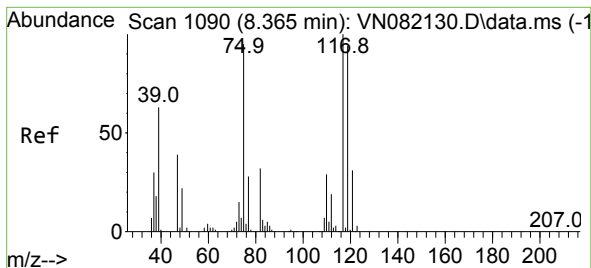
Tgt Ion: 75 Resp: 15997
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.331 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 43 Resp: 4843
Ion Ratio Lower Upper
43 100
61 10.7 11.3 16.9#
70 2.7 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.857 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

Lab File: VN082172.D

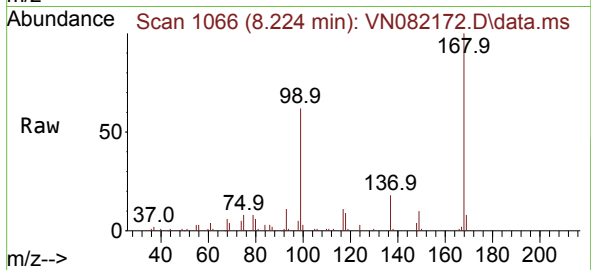
Acq: 16 May 2024 19:18

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MSVOA_N

ClientSampleId :

PB160937ZHE#07



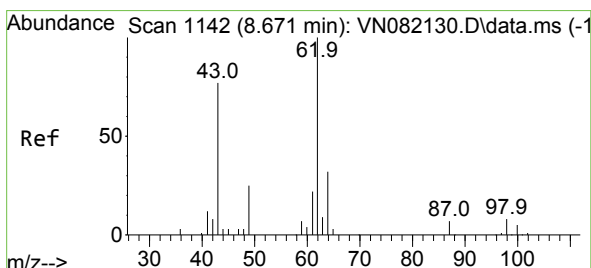
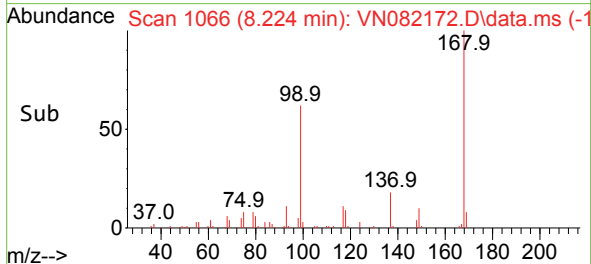
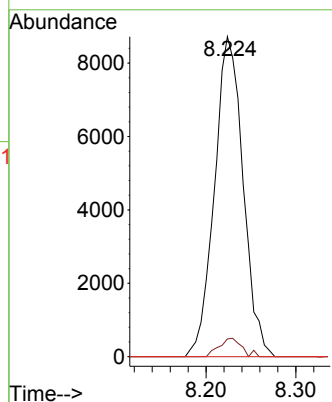
Tgt Ion:117 Resp: 19301

Ion Ratio Lower Upper

117 100

119 5.6 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.459 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082172.D

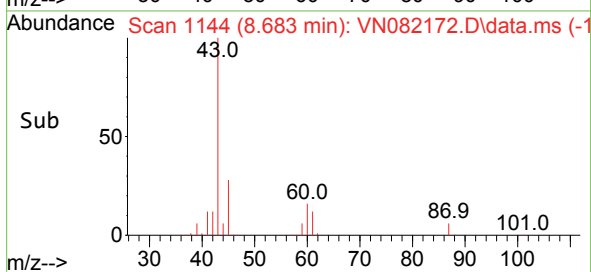
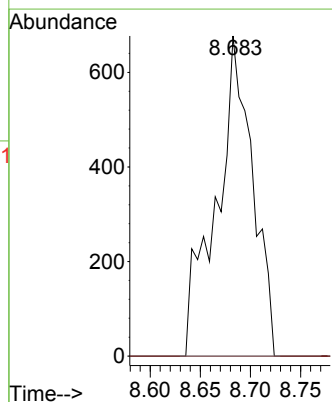
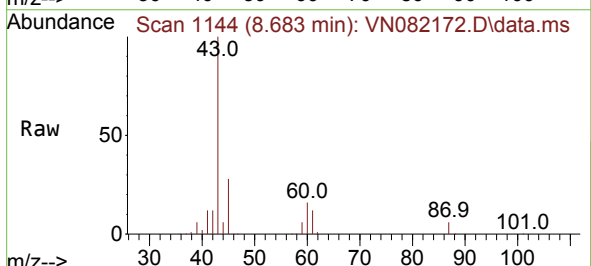
Acq: 16 May 2024 19:18

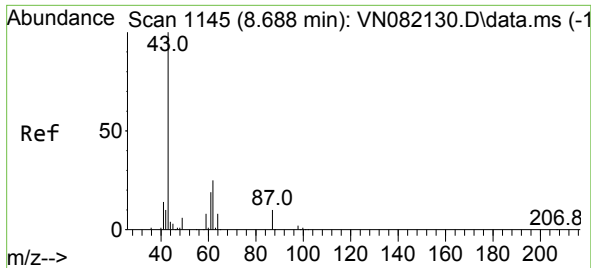
Tgt Ion: 62 Resp: 1711

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6

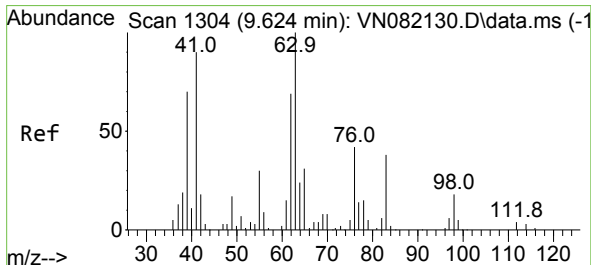
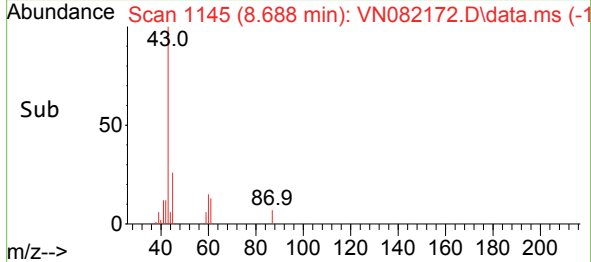
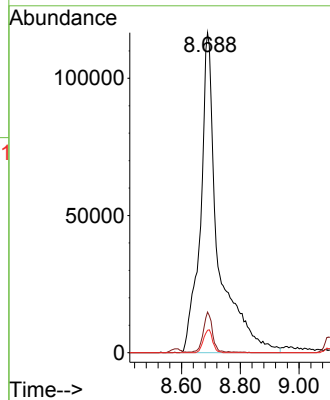
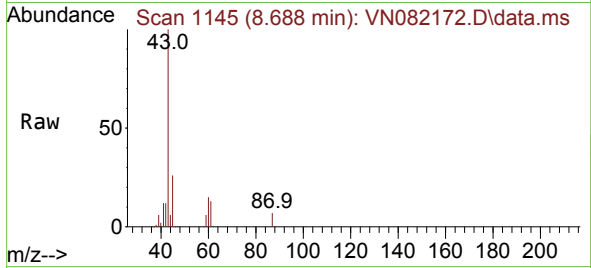




#43
Isopropyl Acetate
Concen: 75.956 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

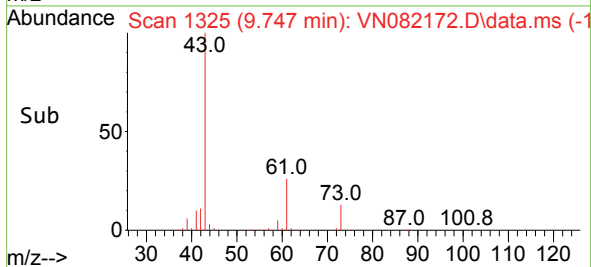
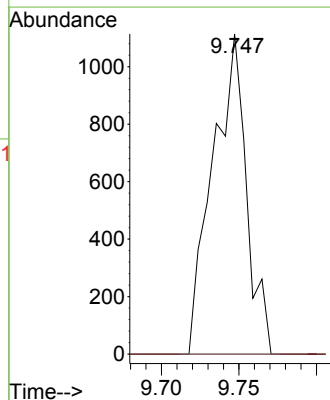
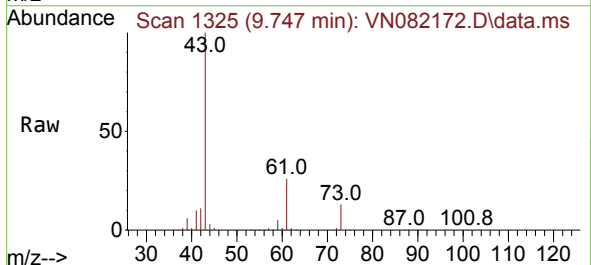
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#07

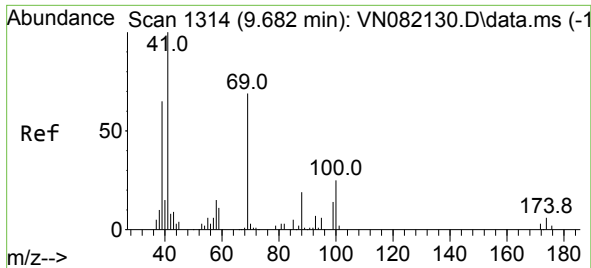
Tgt Ion: 43 Resp: 489681
Ion Ratio Lower Upper
43 100
61 6.4 22.8 34.2#
87 3.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.673 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 63 Resp: 1684
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

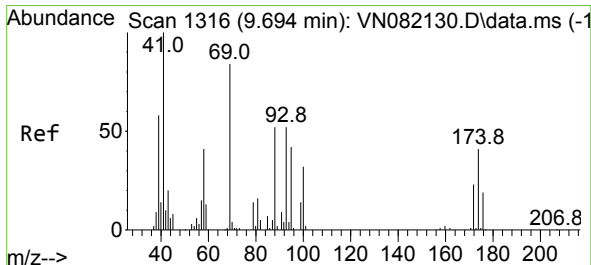
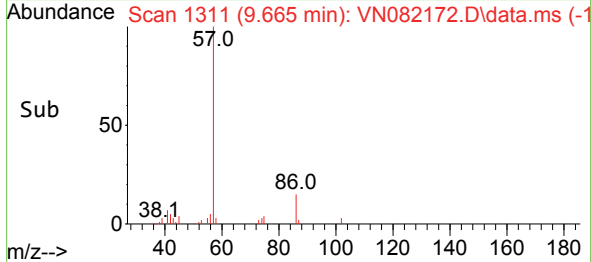
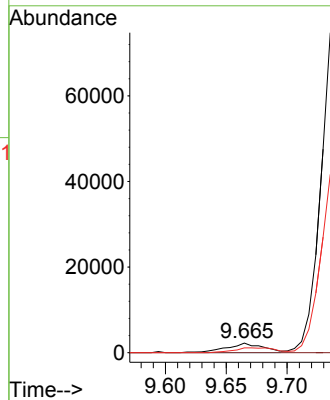
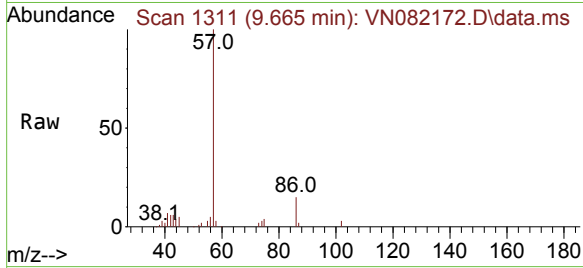




#48
Methyl methacrylate
Concen: 1.529 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

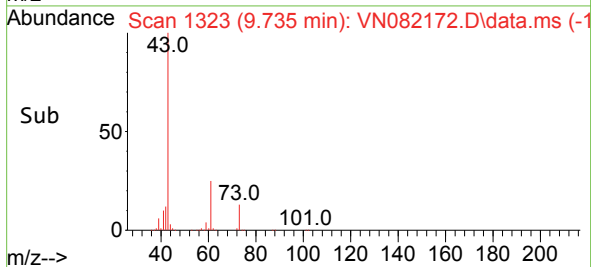
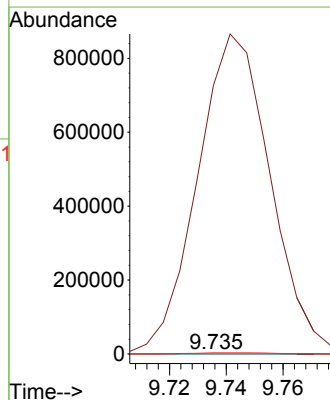
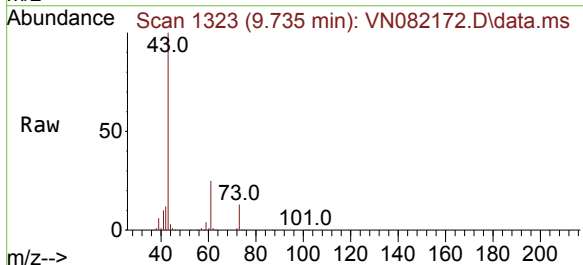
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#07

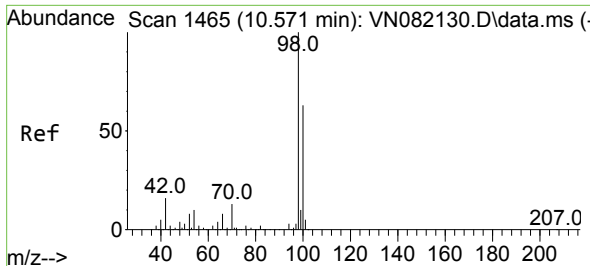
Tgt Ion: 41 Resp: 4696
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 0.0 50.9 76.3#



#49
1,4-Dioxane
Concen: 4.205 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 855717.7 19.0 28.6#
58 3470.2 50.6 76.0#

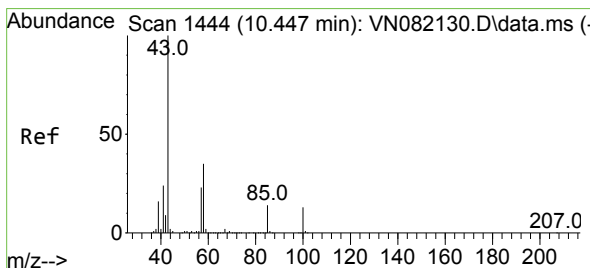
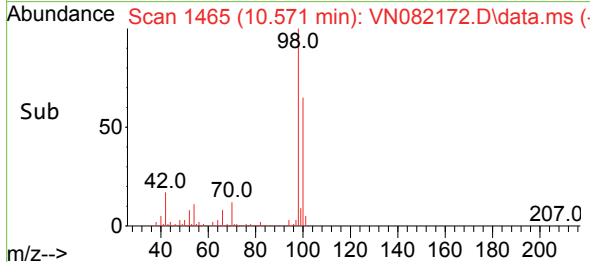
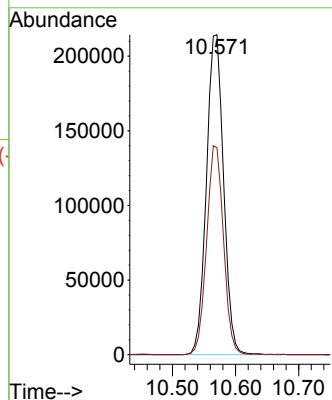
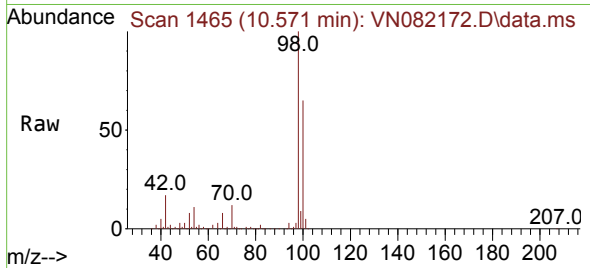




#50
Toluene-d8
Concen: 54.422 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

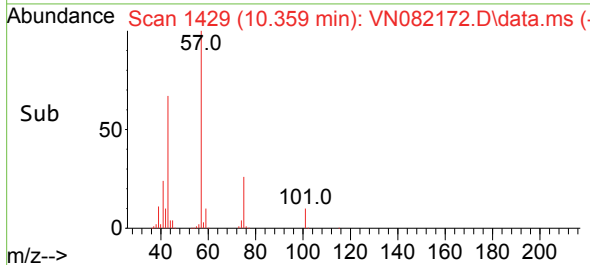
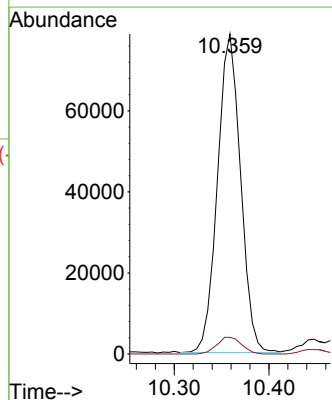
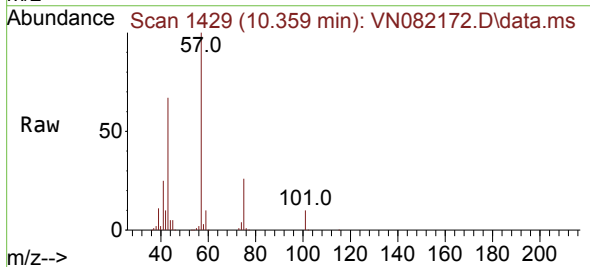
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#07

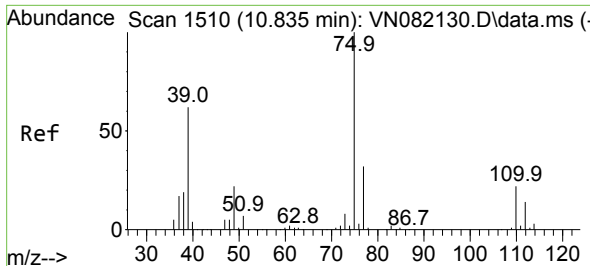
Tgt Ion: 98 Resp: 404457
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 36.361 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 43 Resp: 133187
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#

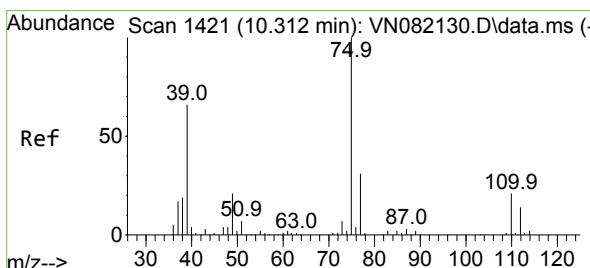
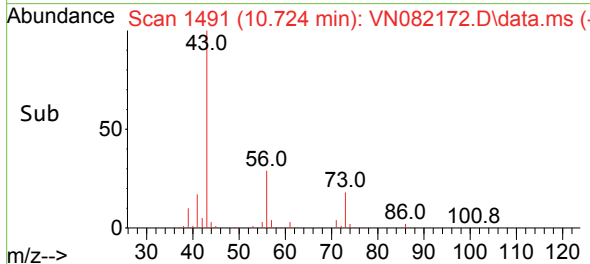
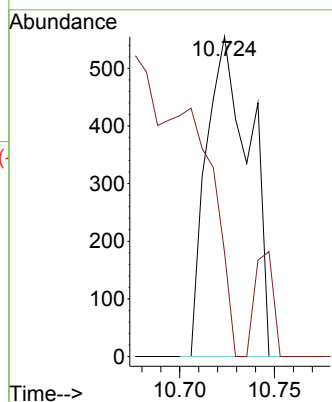
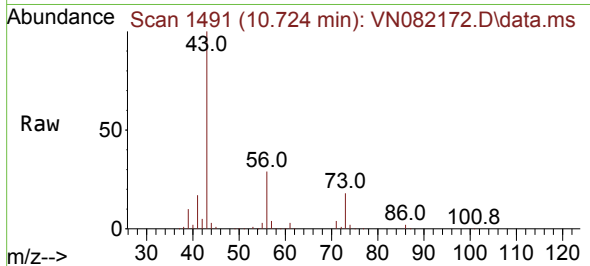




#53
 t-1,3-Dichloropropene
 Concen: 0.246 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082172.D
 Acq: 16 May 2024 19:18

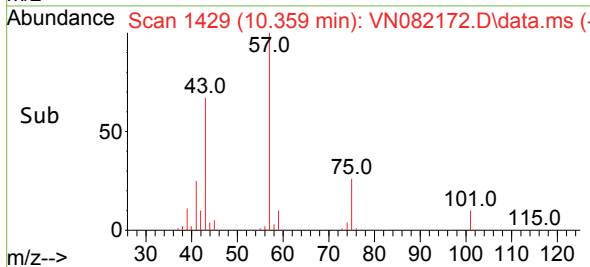
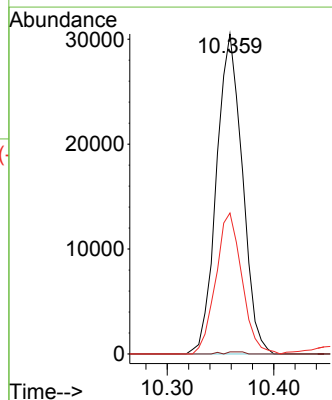
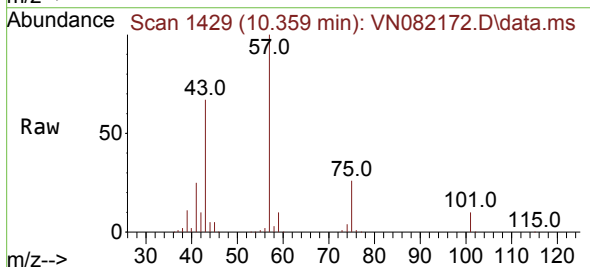
Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#07

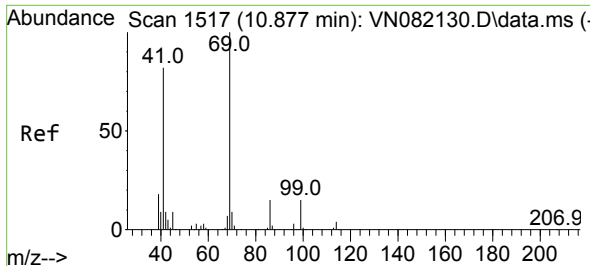
Tgt Ion: 75 Resp: 883
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 13.546 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082172.D
 Acq: 16 May 2024 19:18

Tgt Ion: 75 Resp: 51411
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 44.1 34.8 52.2

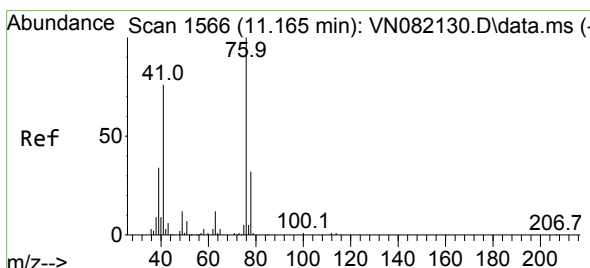
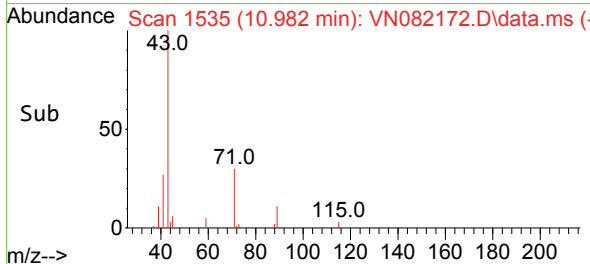
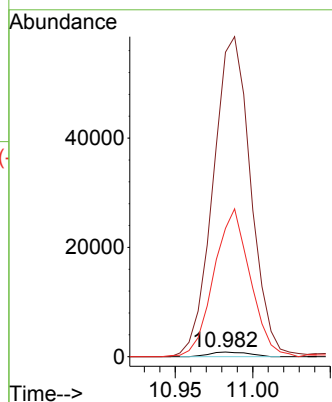
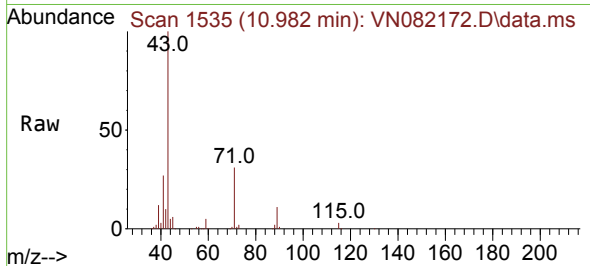




#56
Ethyl methacrylate
Concen: 0.421 ug/l
RT: 10.982 min Scan# 1511
Delta R.T. 0.106 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

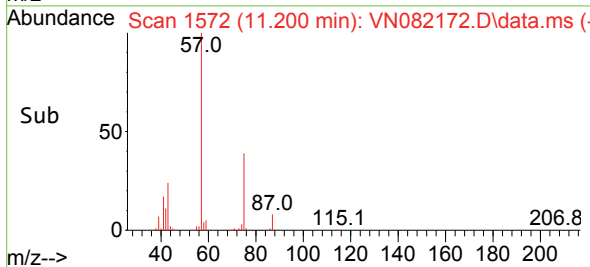
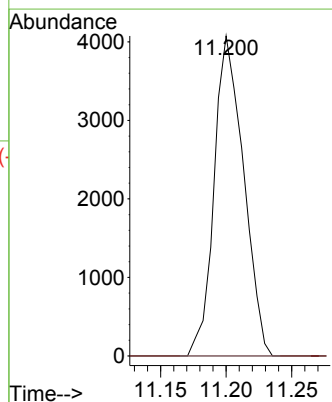
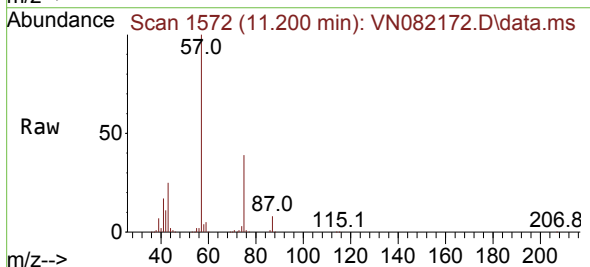
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#07

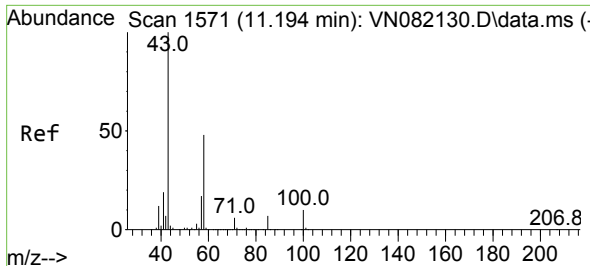
Tgt Ion: 69 Resp: 1511
Ion Ratio Lower Upper
69 100
41 6557.5 46.6 70.0#
39 2913.9 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.608 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 76 Resp: 6358
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

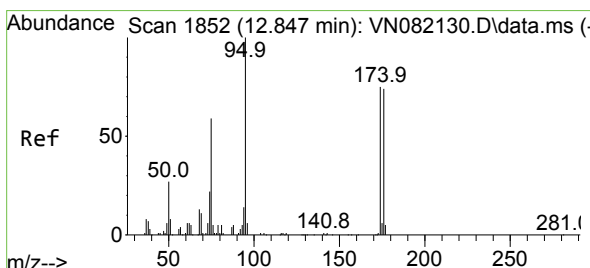
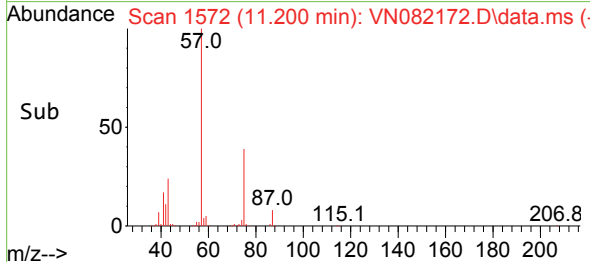
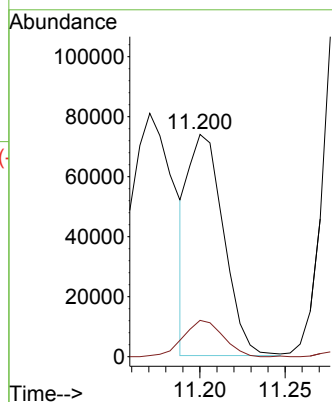
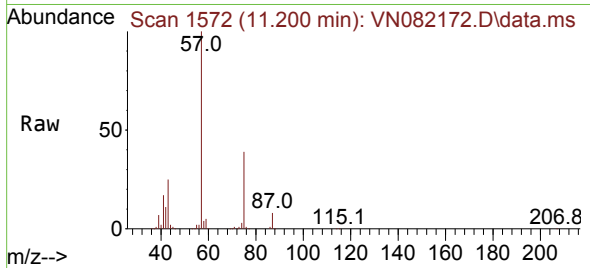




#59
2-Hexanone
Concen: 39.635 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

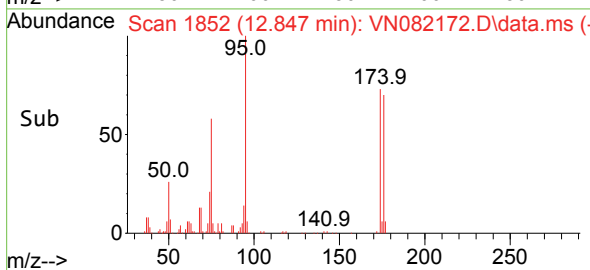
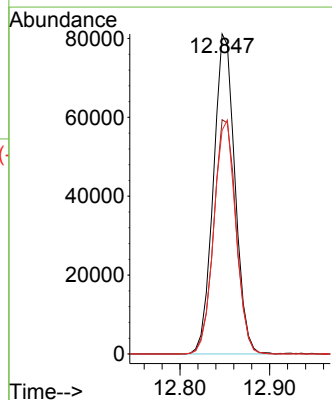
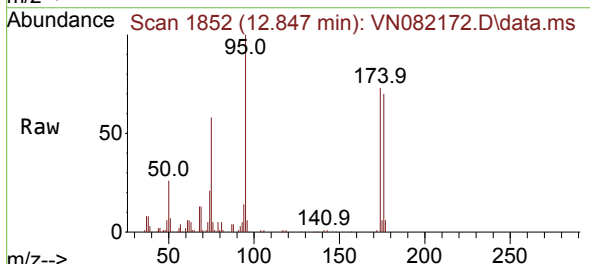
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MSVOA_N
ClientSampleId :
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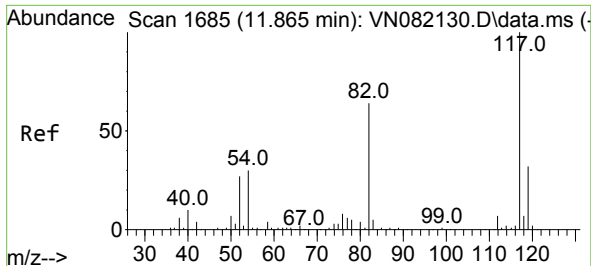
Tgt Ion: 43 Resp: 106302
Ion Ratio Lower Upper
43 100
58 18.5 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.901 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion: 95 Resp: 135020
Ion Ratio Lower Upper
95 100
174 76.1 0.0 160.6
176 74.6 0.0 152.8

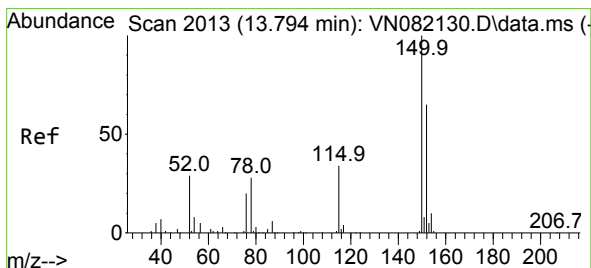
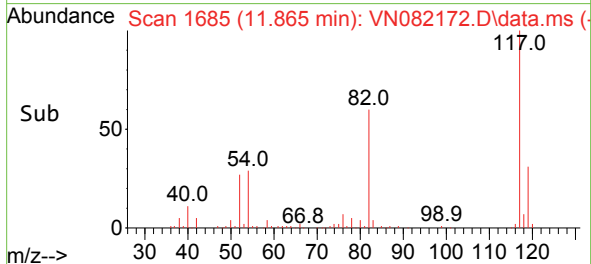
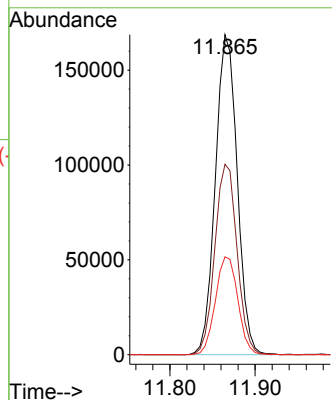
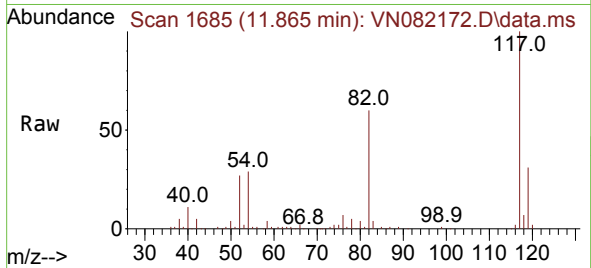




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

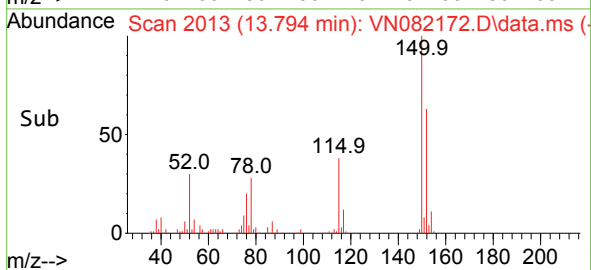
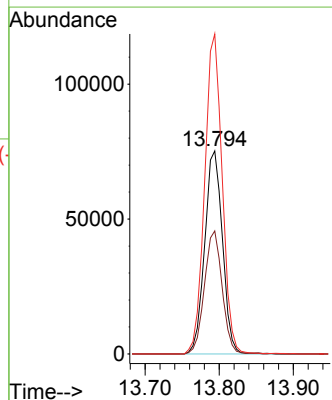
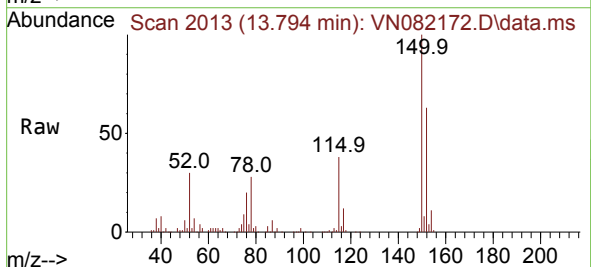
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#07

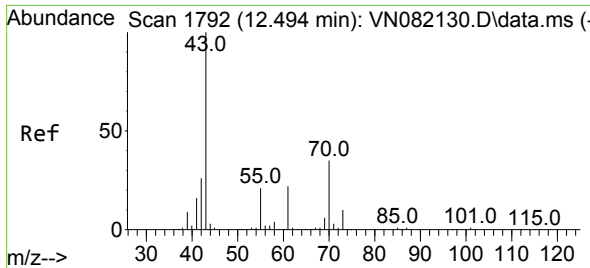
Tgt Ion:117 Resp: 301441
Ion Ratio Lower Upper
117 100
82 59.5 44.6 66.8
119 30.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

Tgt Ion:152 Resp: 125472
Ion Ratio Lower Upper
152 100
115 60.3 30.4 91.3
150 155.0 0.0 353.2

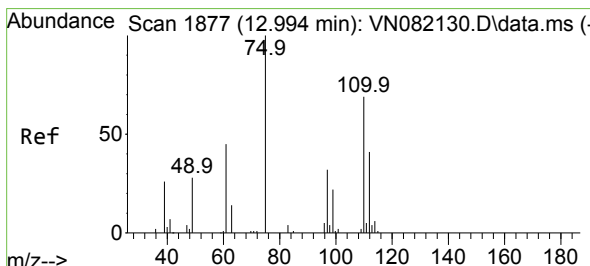
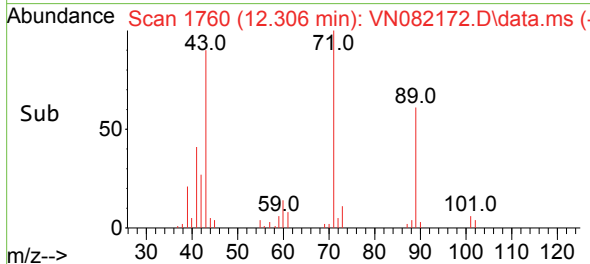
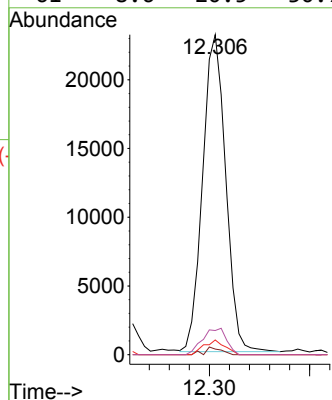
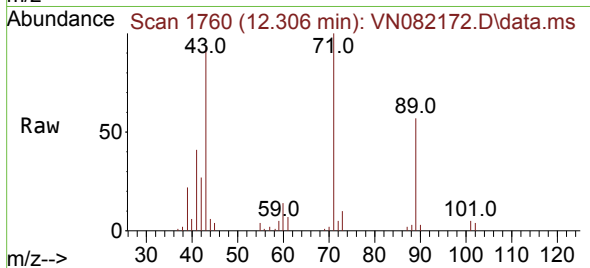




#74
N-amy1 acetate
Concen: 6.723 ug/l
RT: 12.306 min Scan# 1
Delta R.T. -0.188 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

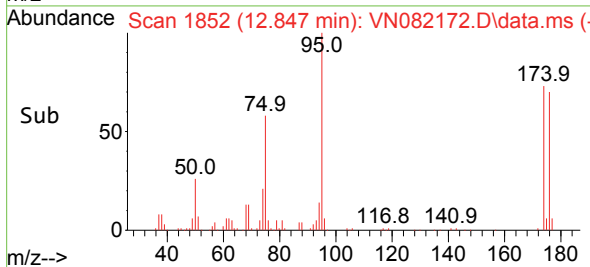
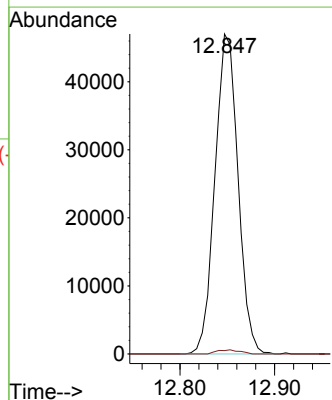
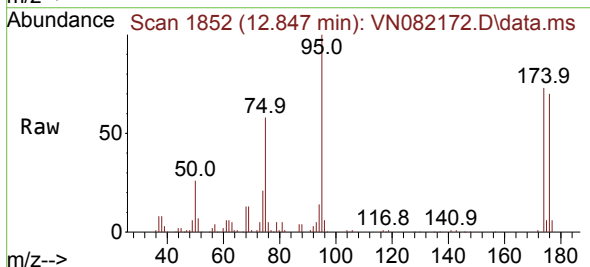
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#07

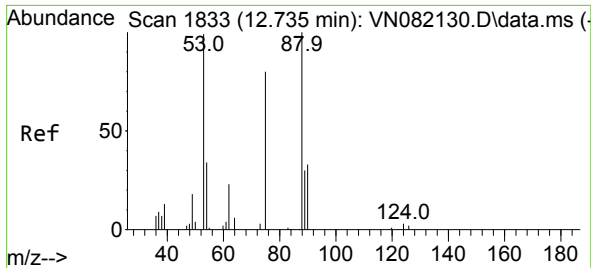
Tgt Ion: 43	Resp: 36862
Ion Ratio	Lower Upper
43 100	
70 1.7	39.0 58.4#
55 4.2	21.3 31.9#
61 8.6	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.180 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082172.D
Acq: 16 May 2024 19:18

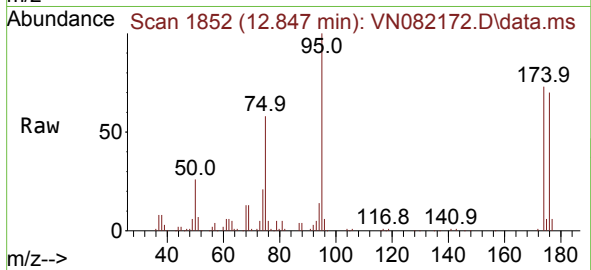
Tgt Ion: 75	Resp: 79702
Ion Ratio	Lower Upper
75 100	
77 1.3	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.590 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082172.D
 Acq: 16 May 2024 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#07



Tgt Ion: 75 Resp: 79702
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

