

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082173.D
 Acq On : 16 May 2024 19:42
 Operator : JC\MD
 Sample : P2497-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 280856

Quant Time: May 17 05:07:52 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)

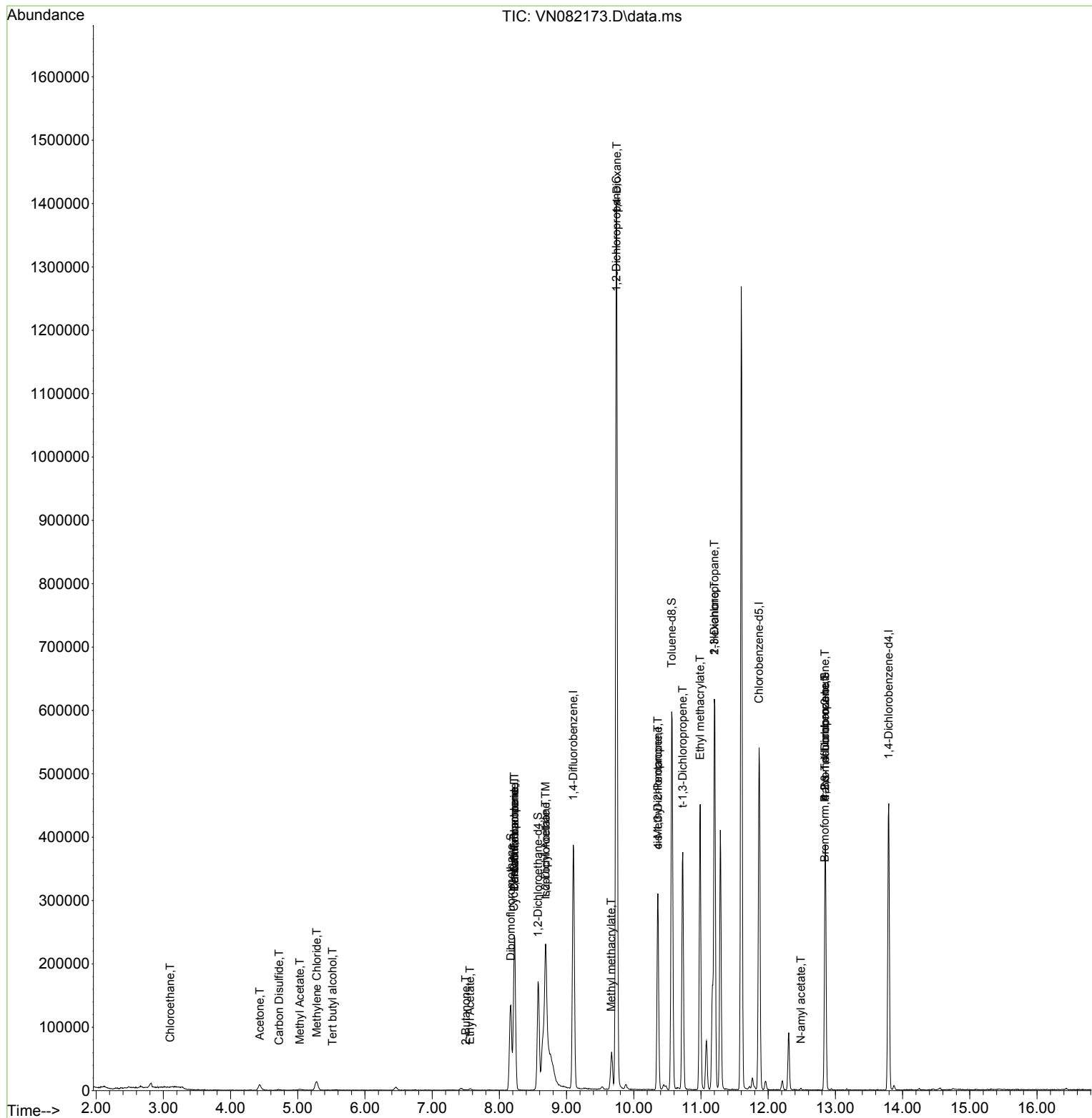
Internal Standards						
1) Pentafluorobenzene	8.224	168	168275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142144	53.496	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 107.000%		
35) Dibromofluoromethane	8.171	113	94824	50.818	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 101.640%		
50) Toluene-d8	10.565	98	389297	54.417	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 108.840%		
62) 4-Bromofluorobenzene	12.847	95	125582	49.182	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery	= 98.360%		
Target Compounds						Qvalue
6) Chloroethane	3.100	64	406	0.241	ug/l #	44
11) Tert butyl alcohol	5.518	59	181	0.424	ug/l #	71
16) Acetone	4.436	43	17985	16.500	ug/l	93
17) Carbon Disulfide	4.724	76	1482	0.250	ug/l #	74
18) Methyl Acetate	5.030	43	3748	1.381	ug/l #	60
20) Methylene Chloride	5.283	84	9649	4.388	ug/l #	70
25) 2-Butanone	7.500	43	1790	1.083	ug/l	100
31) Cyclohexane	8.218	56	5101	1.202	ug/l #	52
36) 1,1-Dichloropropene	8.224	75	16442	5.254	ug/l #	48
37) Ethyl Acetate	7.565	43	4137	1.181	ug/l #	77
38) Carbon Tetrachloride	8.224	117	18079	5.699	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1341	0.374	ug/l #	73
43) Isopropyl Acetate	8.688	43	467616	75.351	ug/l #	63
45) 1,2-Dichloropropane	9.741	63	1494	0.620	ug/l #	45
48) Methyl methacrylate	9.665	41	4739	1.603	ug/l #	35
49) 1,4-Dioxane	9.747	88	61	1.472	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	125419	35.570	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	774	0.224	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	45840	12.547	ug/l #	75
56) Ethyl methacrylate	10.988	69	1263	0.366	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5667	1.489	ug/l #	42
59) 2-Hexanone	11.200	43	91774	35.548	ug/l #	48
71) Bromoform	12.841	173	374	0.254	ug/l #	28
74) N-amyl acetate	12.488	43	1819	0.373	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	73790	31.381	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73790	73.399	ug/l #	12

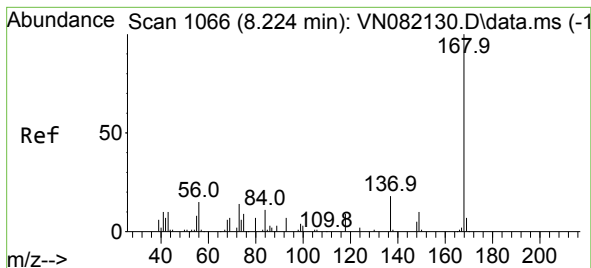
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
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Quant Title : SW846 8260
QLast Update : Fri May 17 04:08:43 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082173.D

Acq: 16 May 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

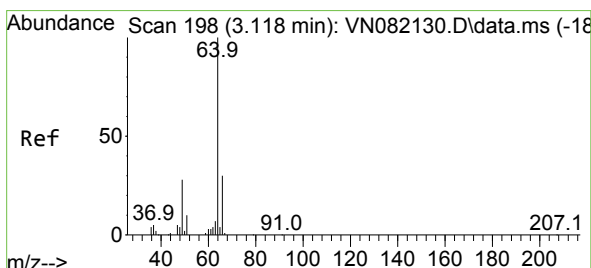
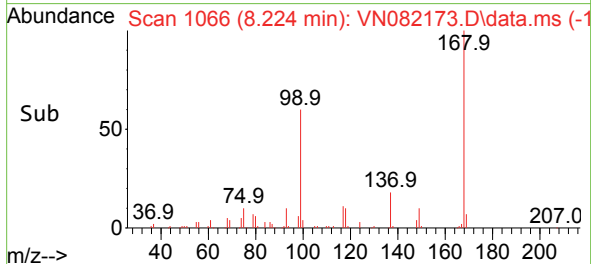
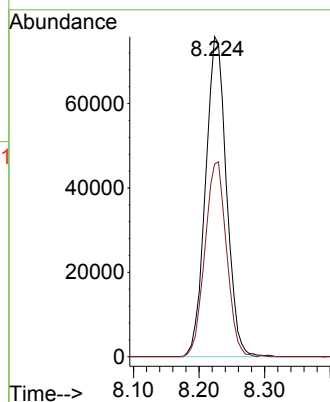
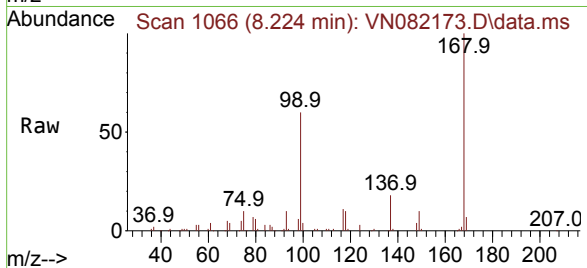
280856

Tgt Ion:168 Resp: 168275

Ion Ratio Lower Upper

168 100

99 60.2 48.2 72.4



#6

Chloroethane

Concen: 0.241 ug/l

RT: 3.100 min Scan# 195

Delta R.T. -0.018 min

Lab File: VN082173.D

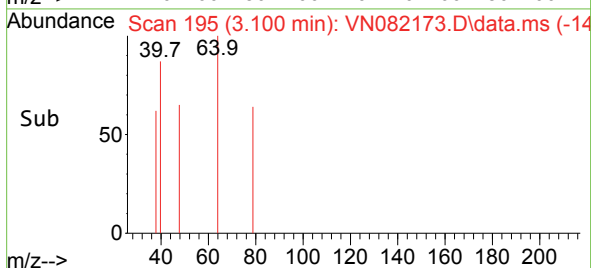
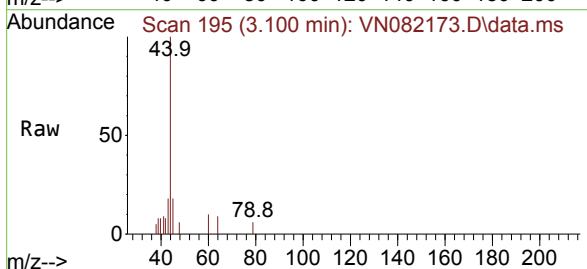
Acq: 16 May 2024 19:42

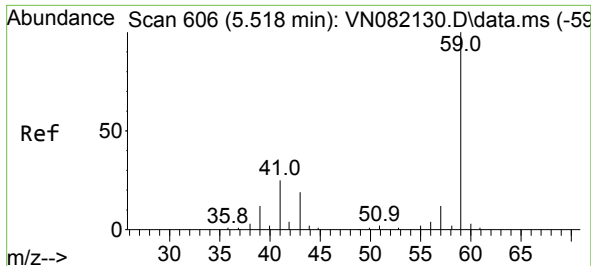
Tgt Ion: 64 Resp: 406

Ion Ratio Lower Upper

64 100

66 0.0 24.7 37.1#

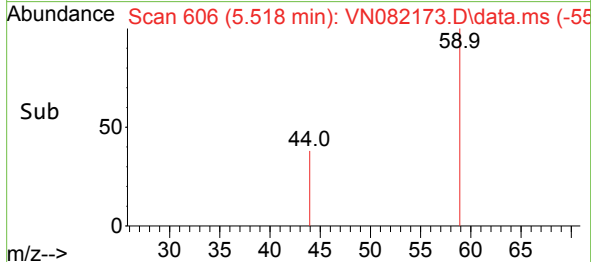
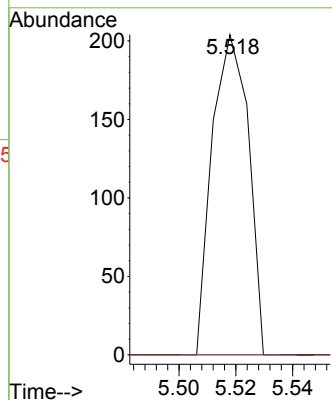
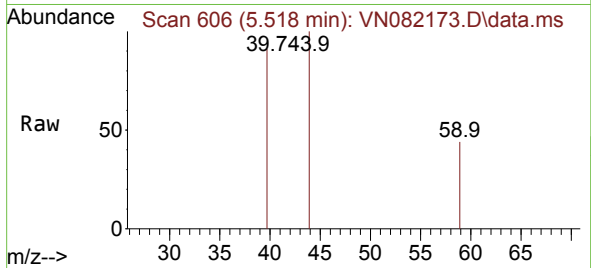




#11
Tert butyl alcohol
Concen: 0.424 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

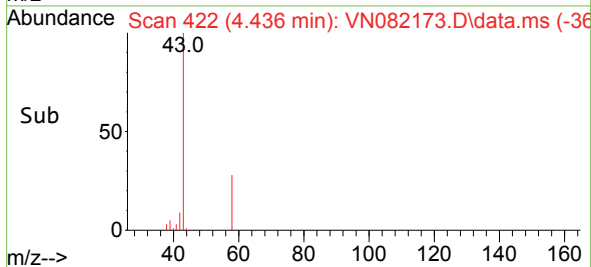
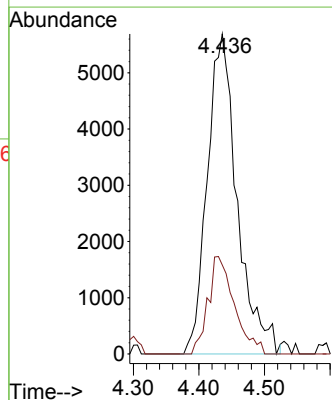
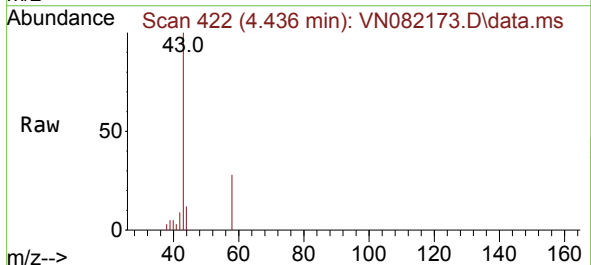
Instrument :
MSVOA_N
ClientSampleId :
280856

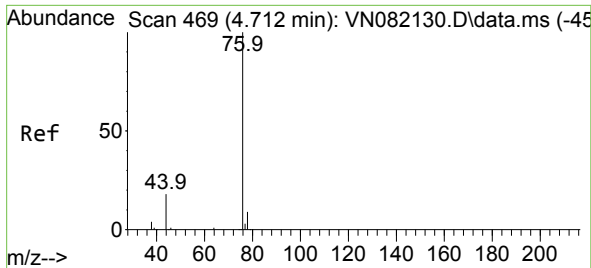
Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 16.500 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 43 Resp: 17985
Ion Ratio Lower Upper
43 100
58 27.8 25.2 37.8

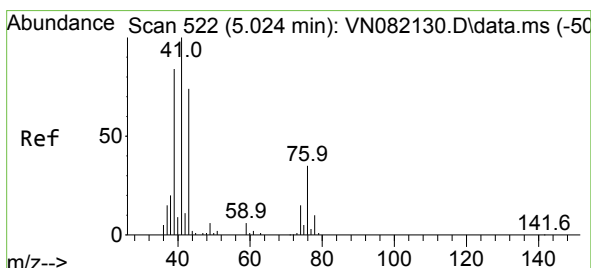
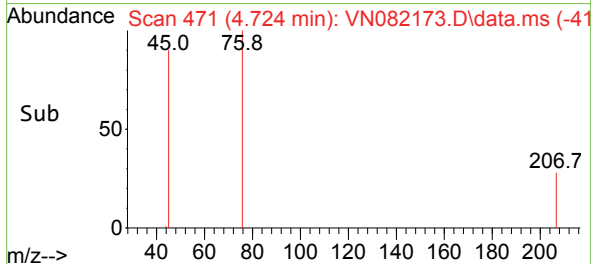
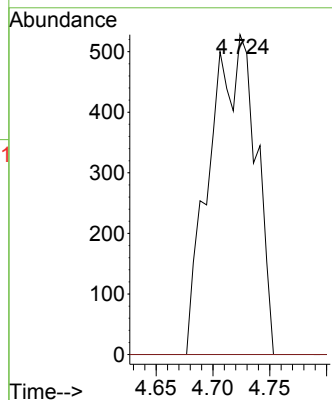
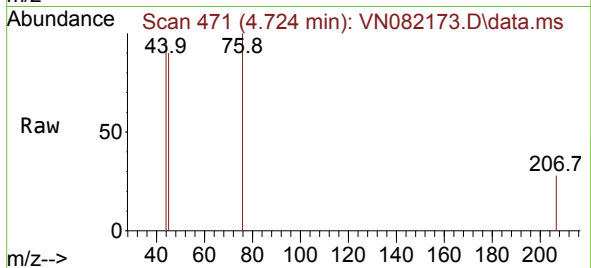




#17
Carbon Disulfide
Concen: 0.250 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

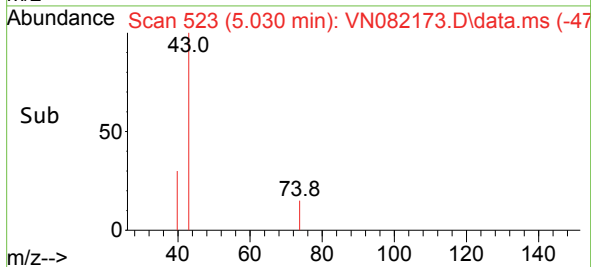
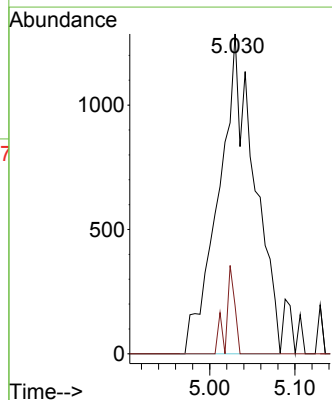
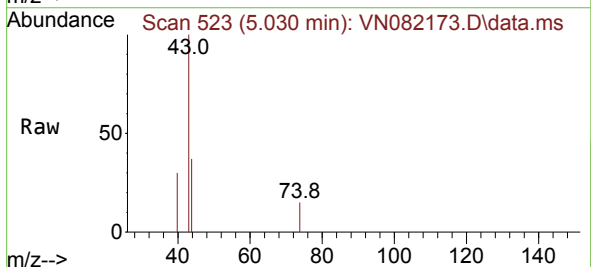
Instrument :
MSVOA_N
ClientSampleId :
280856

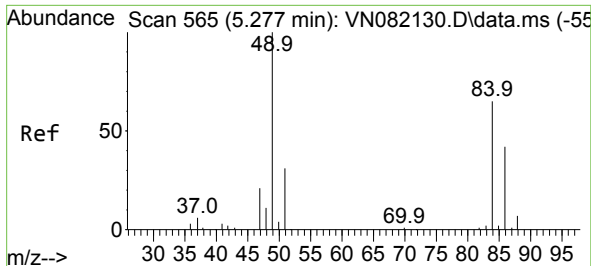
Tgt Ion: 76 Resp: 1482
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 1.381 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 43 Resp: 3748
Ion Ratio Lower Upper
43 100
74 6.7 22.2 33.2#

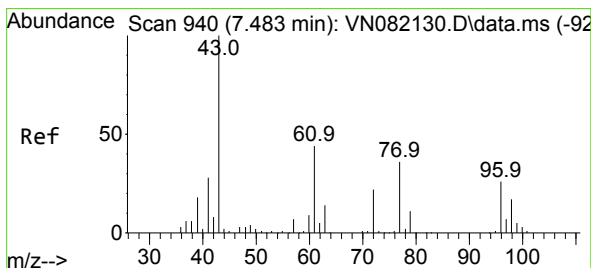
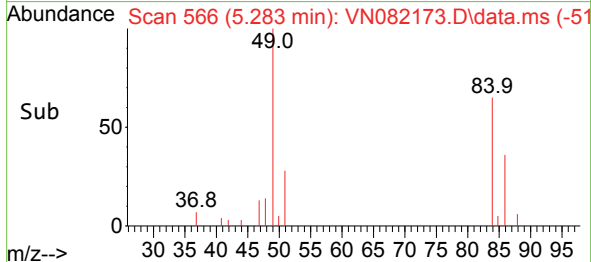
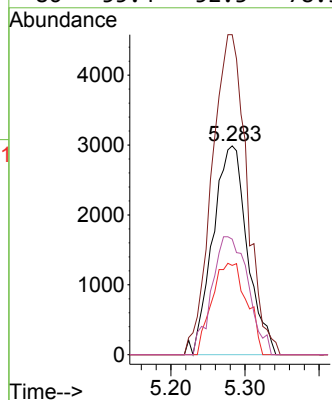
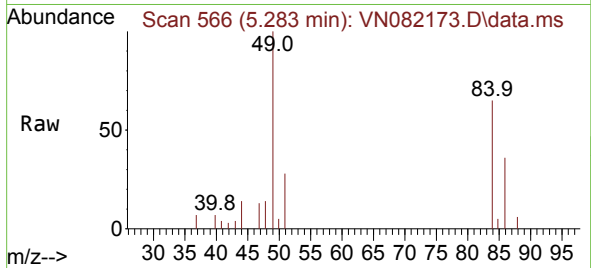




#20
Methylene Chloride
Concen: 4.388 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

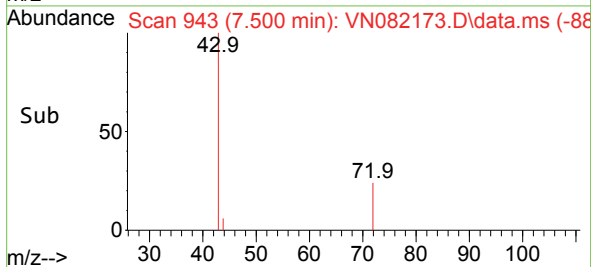
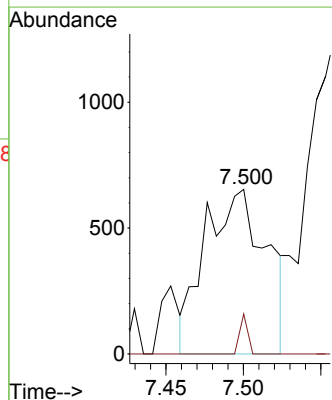
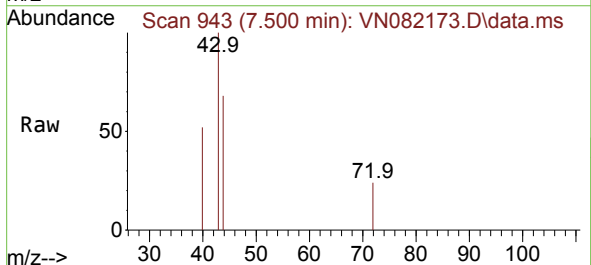
Instrument :
MSVOA_N
ClientSampleId :
280856

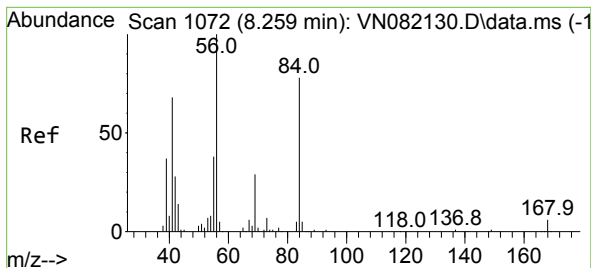
Tgt Ion: 84 Resp: 9649
Ion Ratio Lower Upper
84 100
49 153.3 84.9 127.3#
51 42.8 27.0 40.6#
86 55.4 52.3 78.5



#25
2-Butanone
Concen: 1.083 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
72 31.7 25.3 37.9





#31

Cyclohexane

Concen: 1.202 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN082173.D

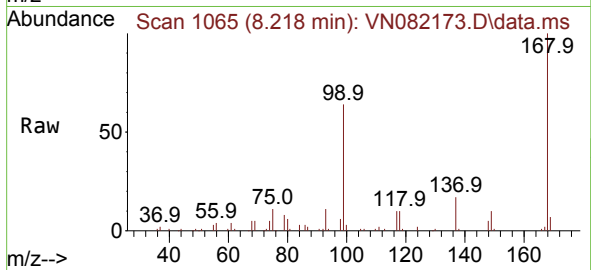
Acq: 16 May 2024 19:42

Instrument :

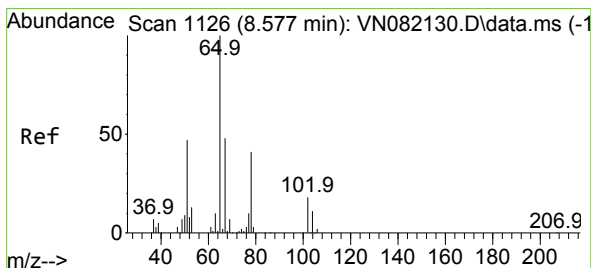
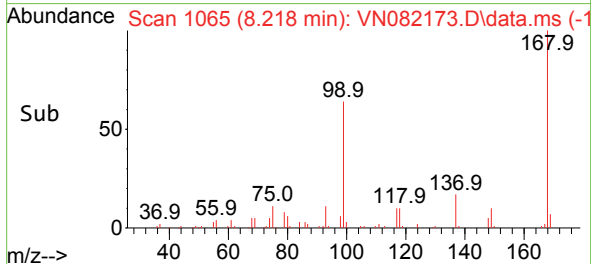
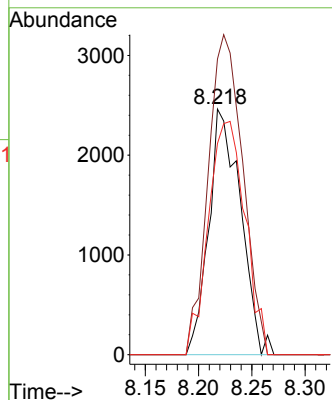
MSVOA_N

ClientSampleId :

280856



Tgt Ion: 56	Resp: 5101
Ion Ratio	Lower Upper
56	100
69	120.4 24.4 36.6#
84	86.0 77.0 115.4



#33

1,2-Dichloroethane-d4

Concen: 53.496 ug/l

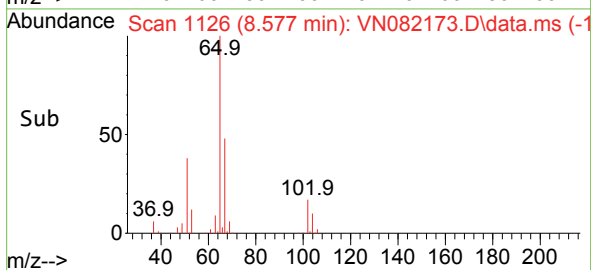
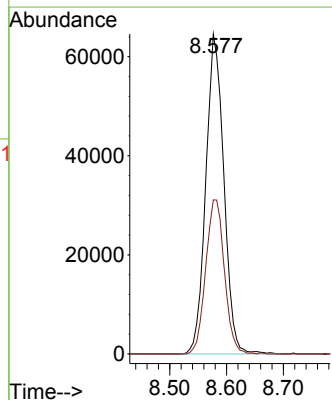
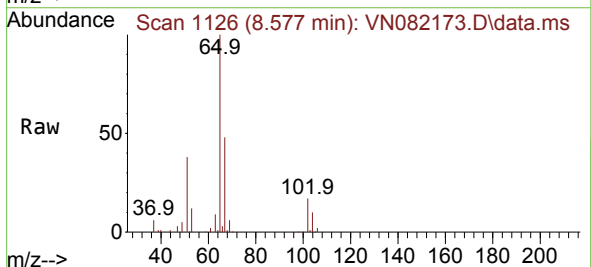
RT: 8.577 min Scan# 1126

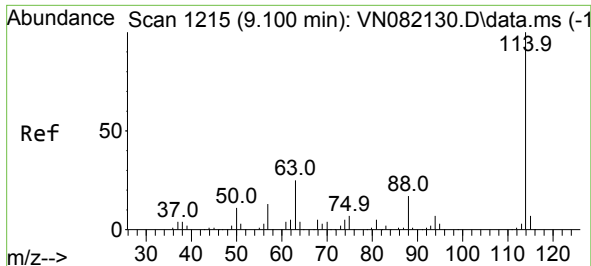
Delta R.T. -0.000 min

Lab File: VN082173.D

Acq: 16 May 2024 19:42

Tgt Ion: 65	Resp: 142144
Ion Ratio	Lower Upper
65	100
67	50.0 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: VN082173.D

Acq: 16 May 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

280856

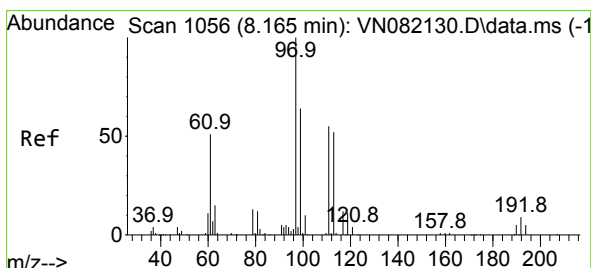
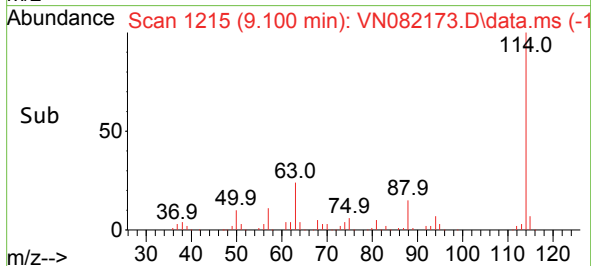
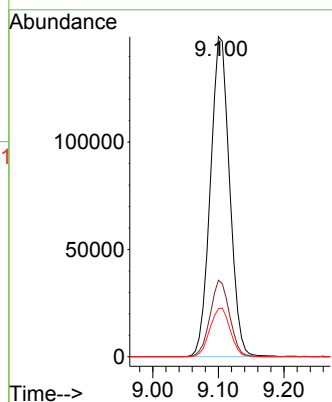
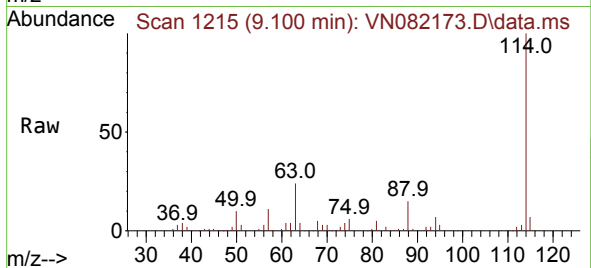
Tgt Ion:114 Resp: 303330

Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.0

88 15.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.818 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082173.D

Acq: 16 May 2024 19:42

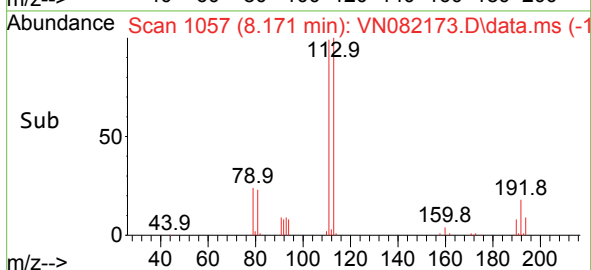
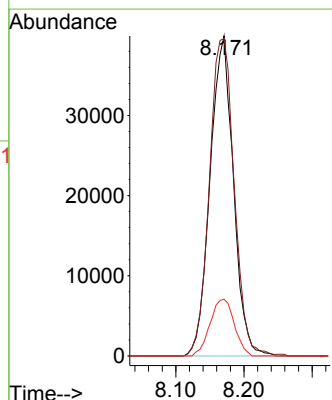
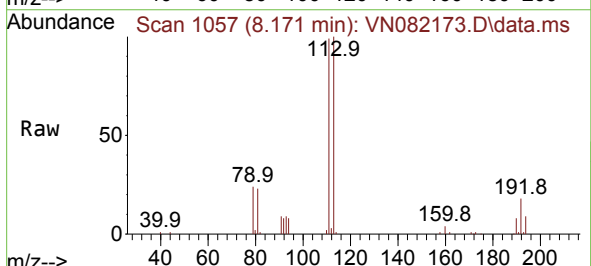
Tgt Ion:113 Resp: 94824

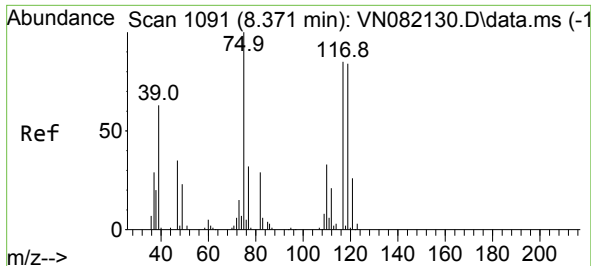
Ion Ratio Lower Upper

113 100

111 105.8 83.4 125.2

192 18.5 14.0 21.0

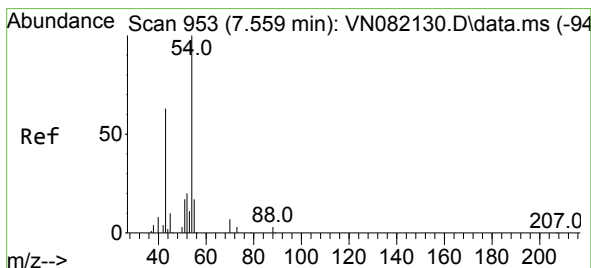
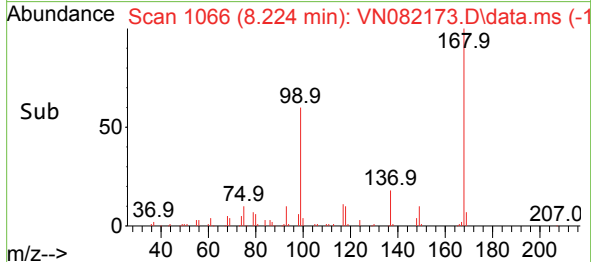
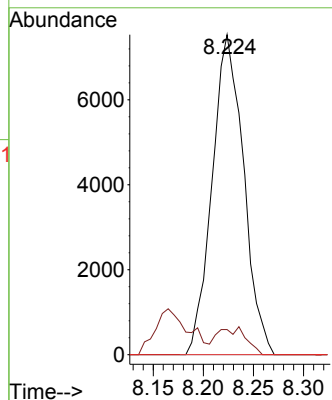
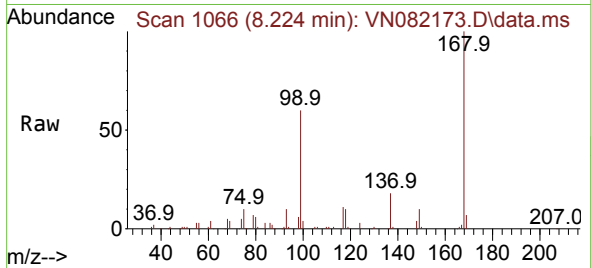




#36
1,1-Dichloropropene
Concen: 5.254 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

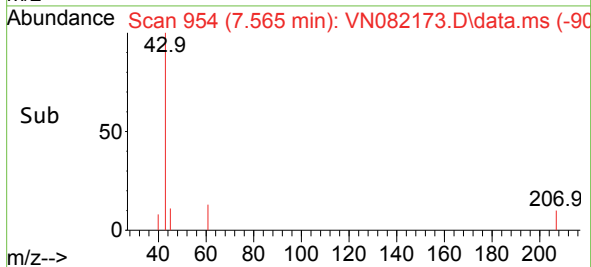
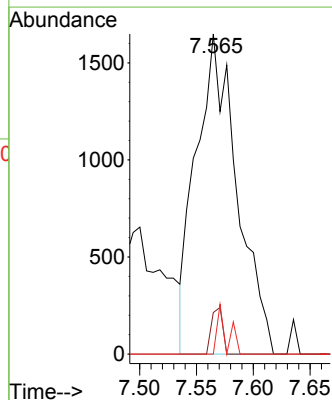
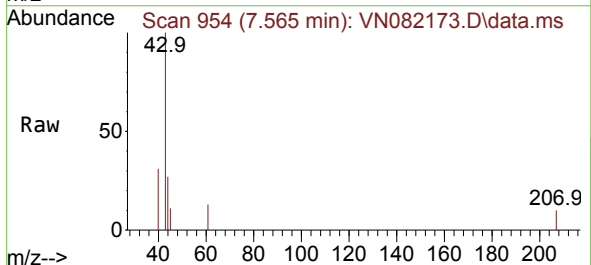
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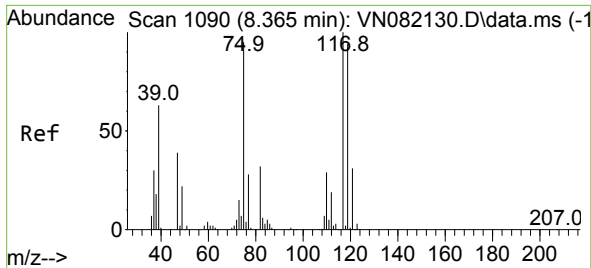
Tgt Ion: 75 Resp: 16442
Ion Ratio Lower Upper
75 100
110 7.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.181 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 43 Resp: 4137
Ion Ratio Lower Upper
43 100
61 3.9 11.3 16.9#
70 3.6 8.7 13.1#

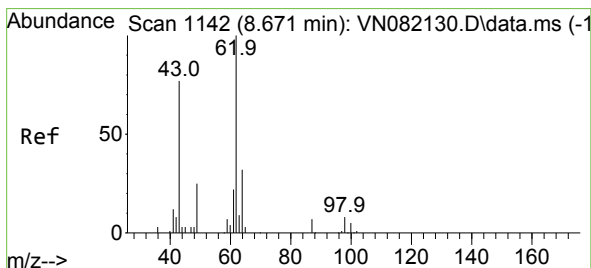
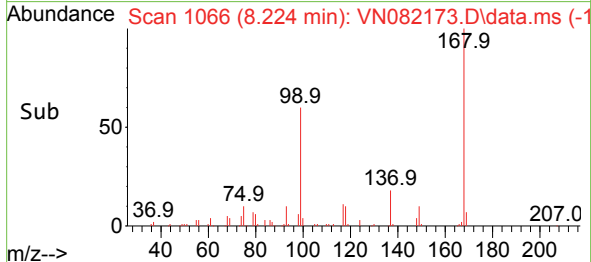
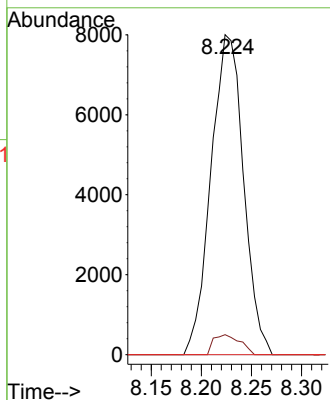
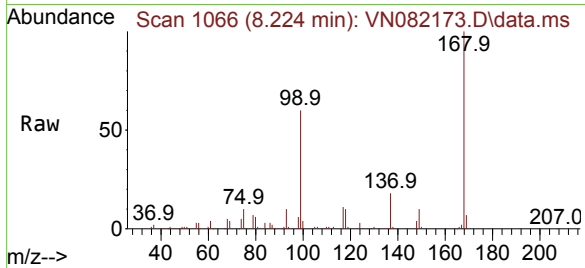




#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 8.224 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

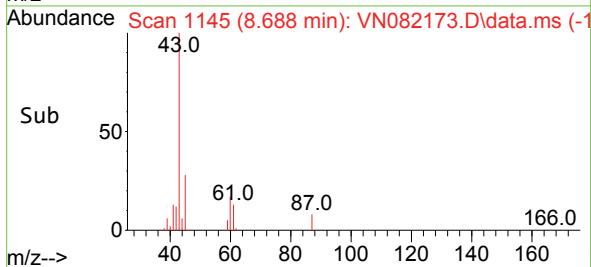
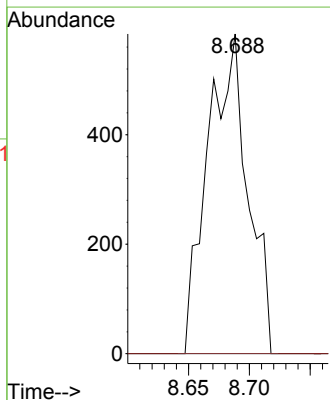
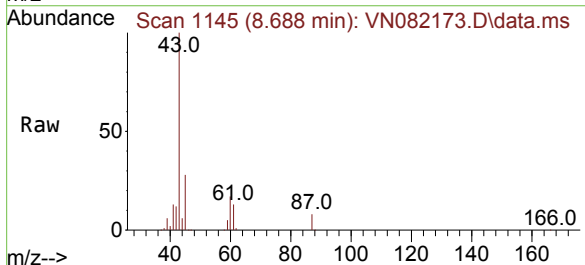
Instrument :
MSVOA_N
ClientSampleId :
280856

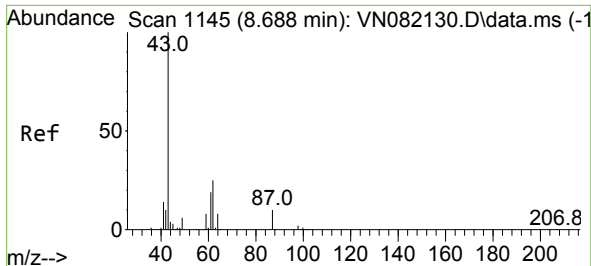
Tgt Ion:117 Resp: 18079
Ion Ratio Lower Upper
117 100
119 6.3 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.374 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 62 Resp: 1341
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

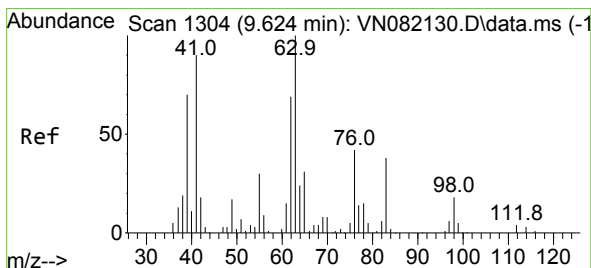
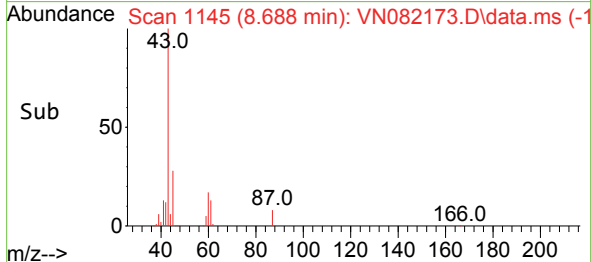
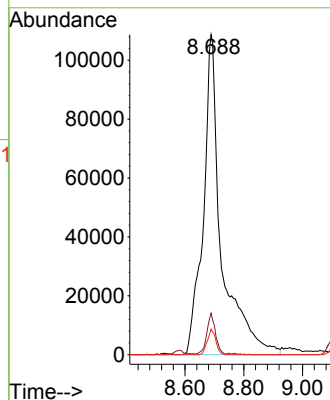
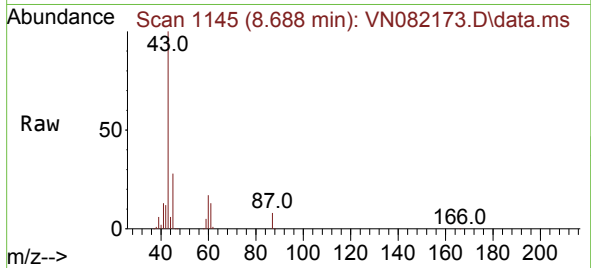




#43
Isopropyl Acetate
Concen: 75.351 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

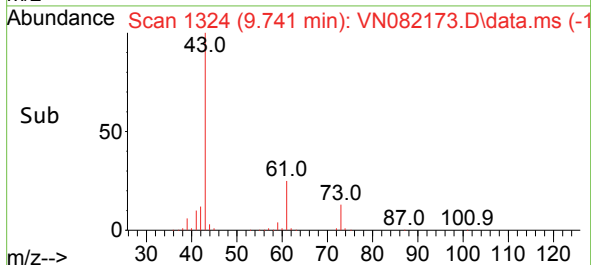
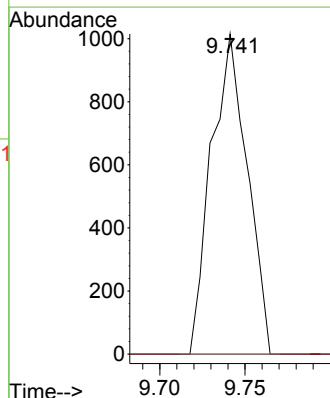
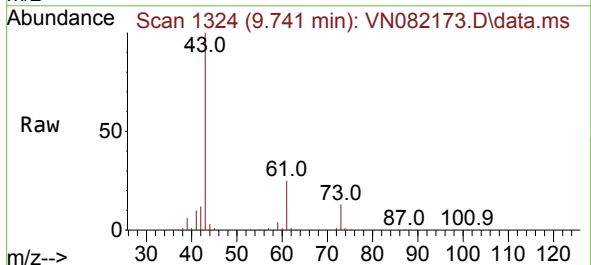
Instrument :
MSVOA_N
ClientSampleId :
280856

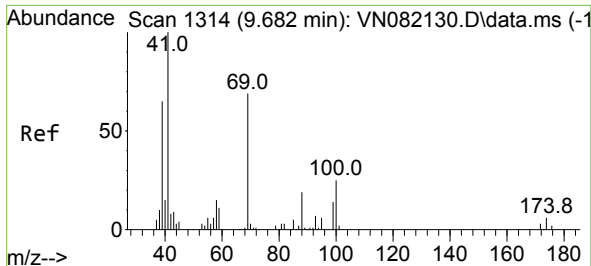
Tgt Ion: 43 Resp: 467616
Ion Ratio Lower Upper
43 100
61 6.2 22.8 34.2#
87 3.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.620 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 63 Resp: 1494
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

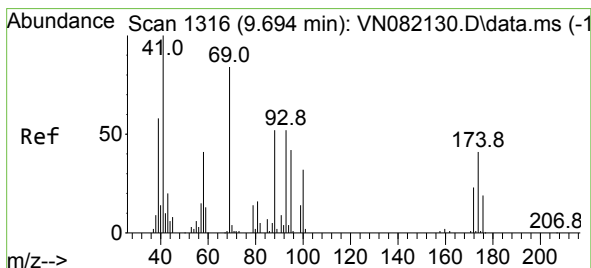
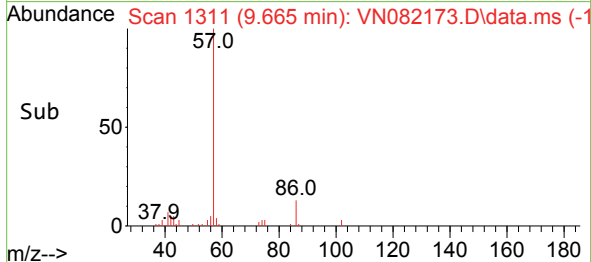
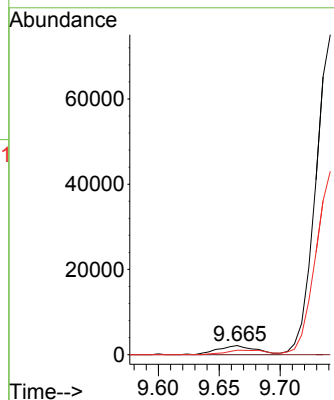
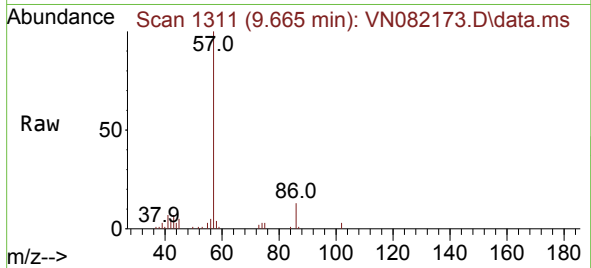




#48
Methyl methacrylate
Concen: 1.603 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

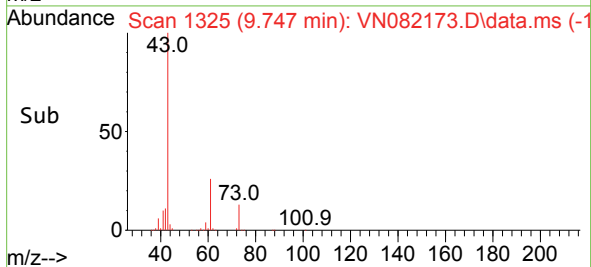
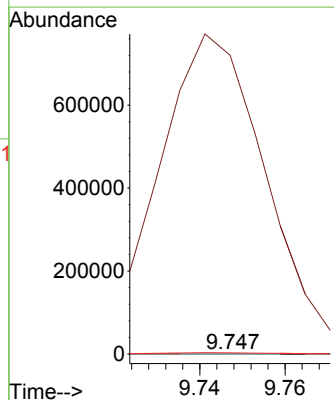
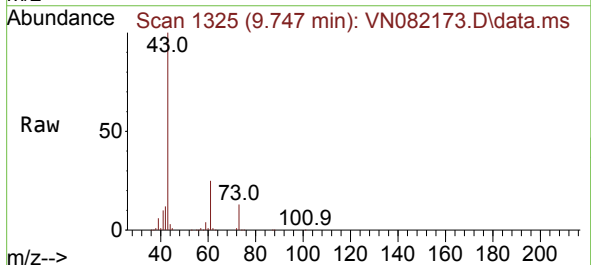
Instrument :
MSVOA_N
ClientSampleId :
280856

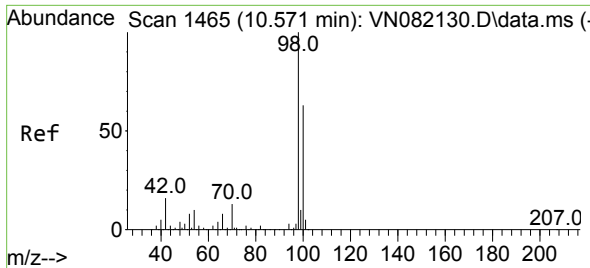
Tgt Ion: 41 Resp: 4739
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 52.8 50.9 76.3



#49
1,4-Dioxane
Concen: 1.472 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 2265895.1 19.0 28.6#
58 9121.3 50.6 76.0#

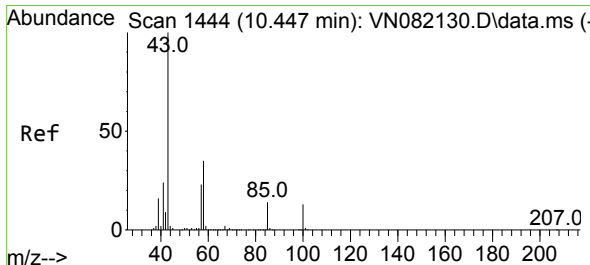
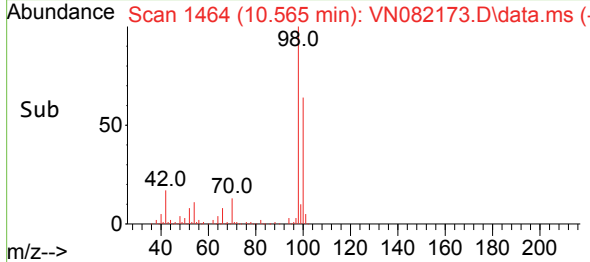
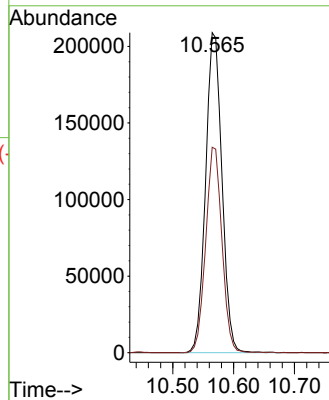
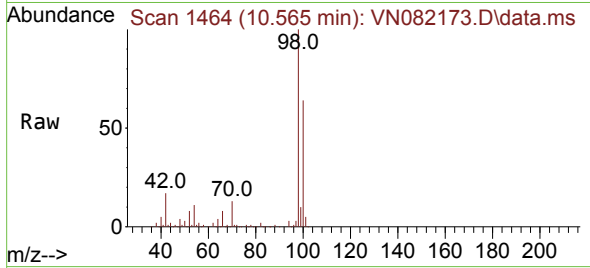




#50
Toluene-d8
Concen: 54.417 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

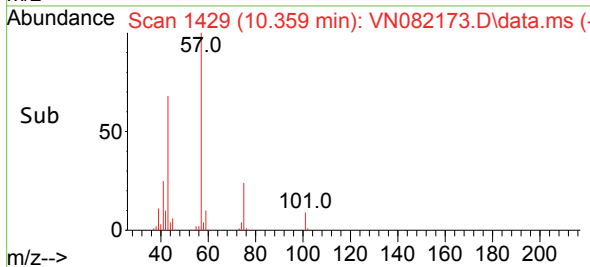
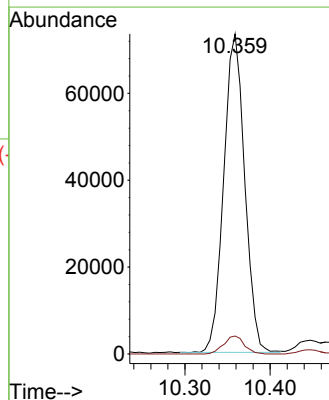
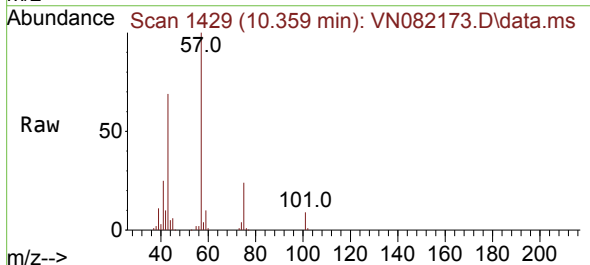
Instrument :
MSVOA_N
ClientSampleId :
280856

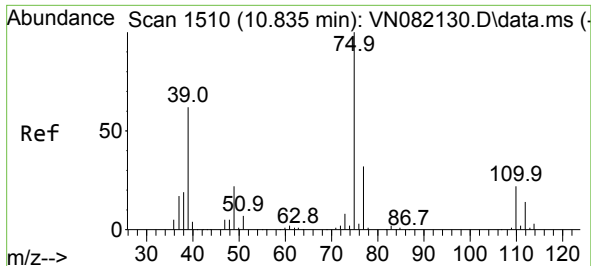
Tgt Ion: 98 Resp: 389297
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 35.570 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 43 Resp: 125419
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#

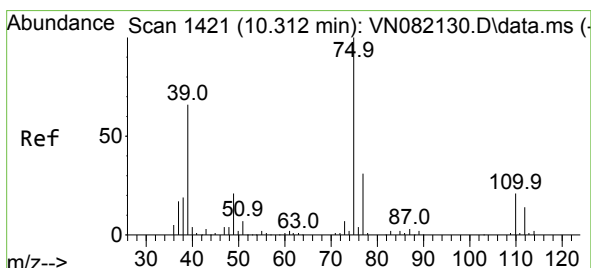
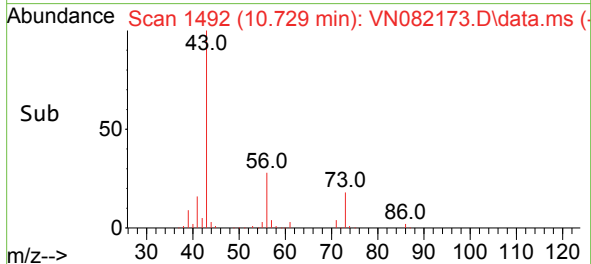
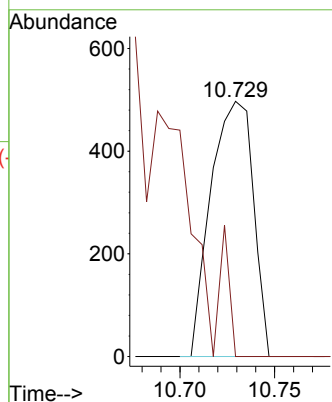
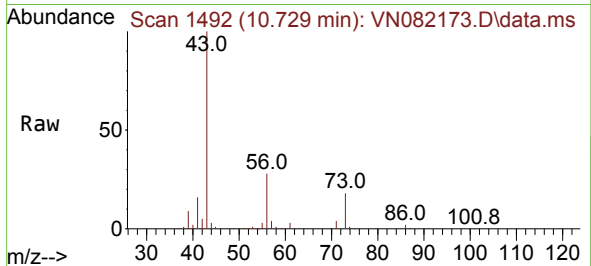




#53
 t-1,3-Dichloropropene
 Concen: 0.224 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082173.D
 Acq: 16 May 2024 19:42

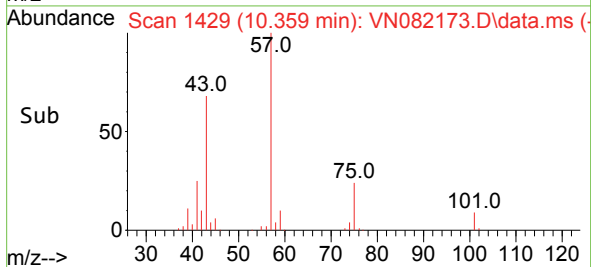
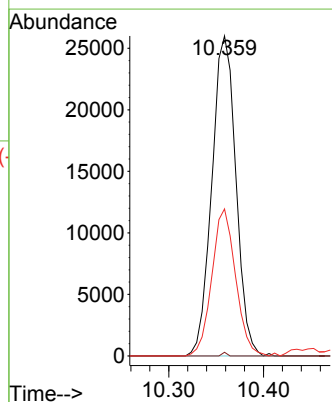
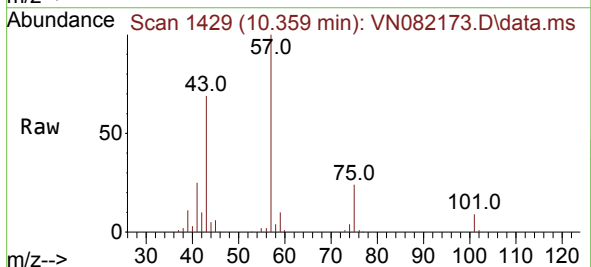
Instrument :
 MSVOA_N
 ClientSampleId :
 280856

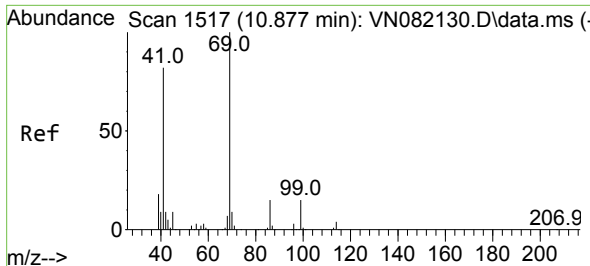
Tgt Ion: 75 Resp: 774
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.547 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082173.D
 Acq: 16 May 2024 19:42

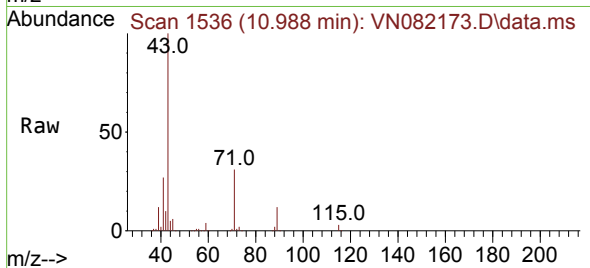
Tgt Ion: 75 Resp: 45840
 Ion Ratio Lower Upper
 75 100
 77 1.2 25.0 37.4#
 39 45.9 34.8 52.2



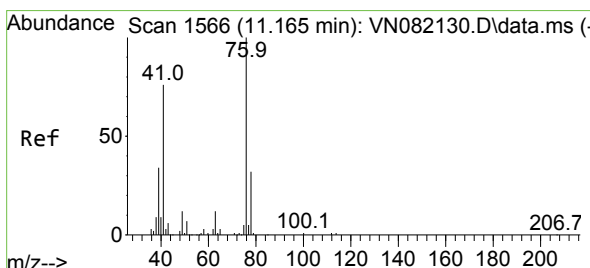
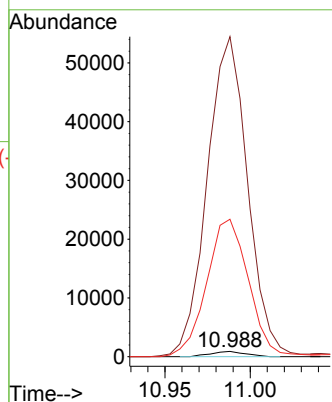
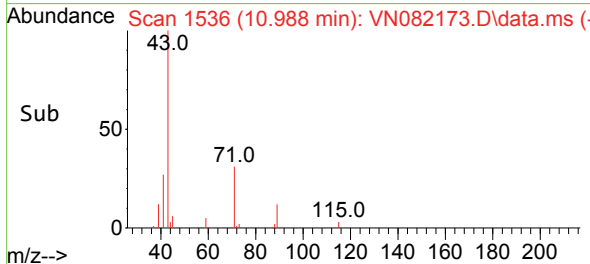


#56
Ethyl methacrylate
Concen: 0.366 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :
280856

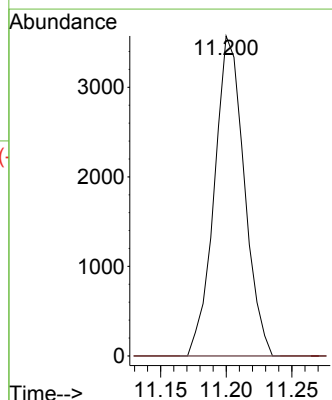
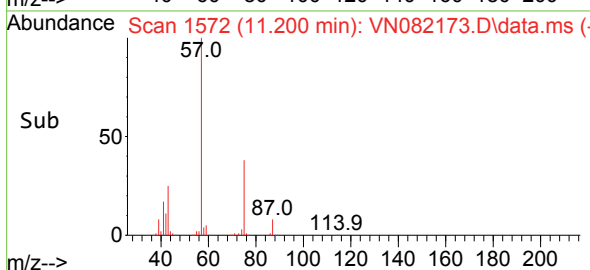
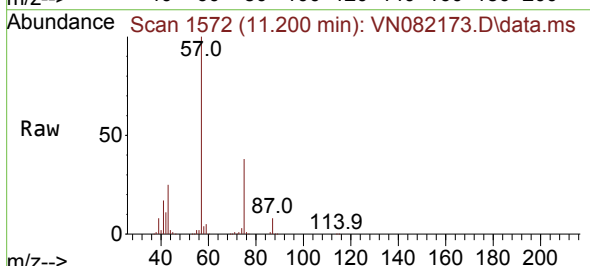


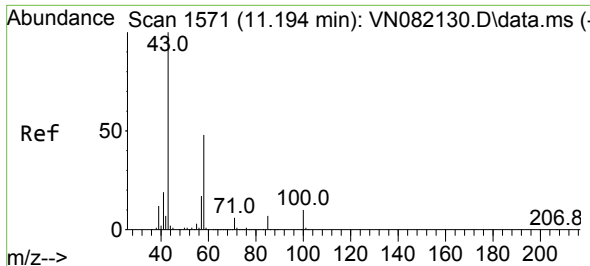
Tgt Ion: 69 Resp: 1263
Ion Ratio Lower Upper
69 100
41 7143.8 46.6 70.0#
39 3171.1 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.489 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 76 Resp: 5667
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

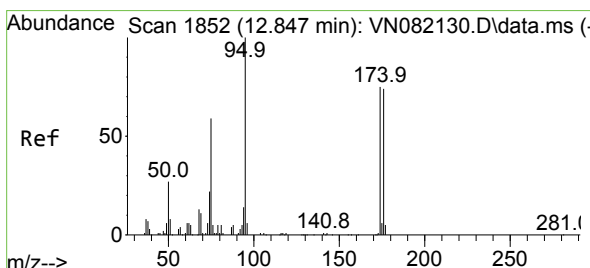
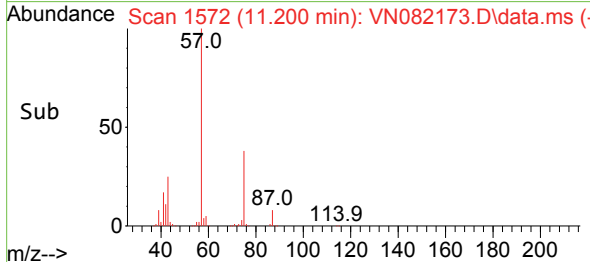
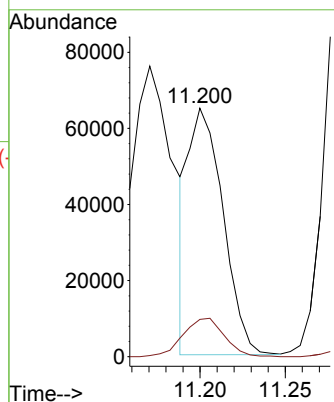
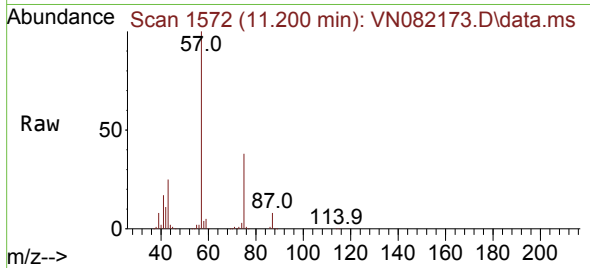




#59
2-Hexanone
Concen: 35.548 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

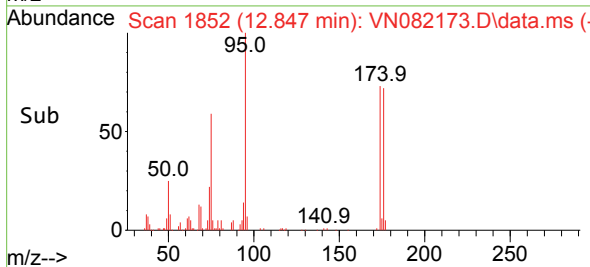
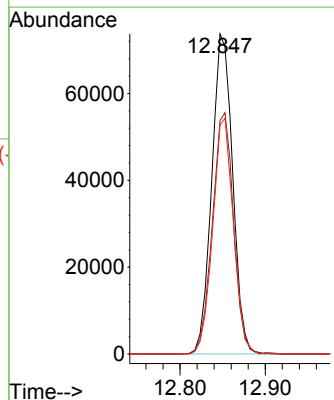
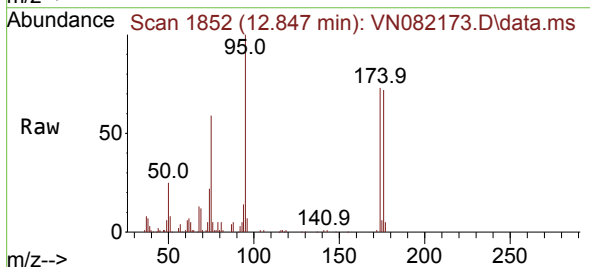
Instrument :
MSVOA_N
ClientSampleId :
280856

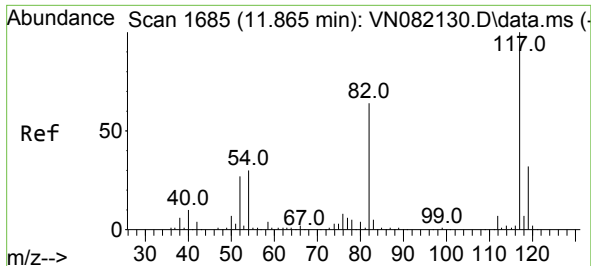
Tgt Ion: 43 Resp: 91774
Ion Ratio Lower Upper
43 100
58 18.6 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 49.182 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 95 Resp: 125582
Ion Ratio Lower Upper
95 100
174 76.0 0.0 160.6
176 73.0 0.0 152.8

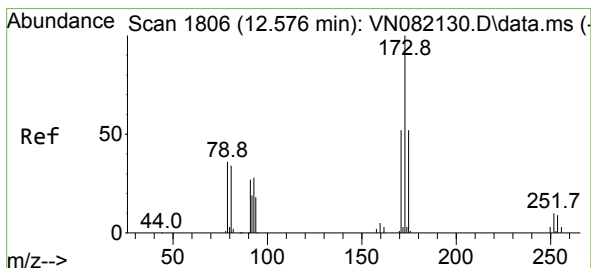
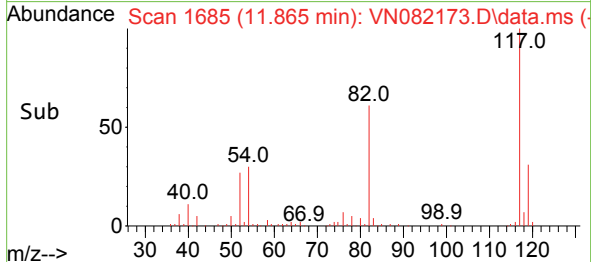
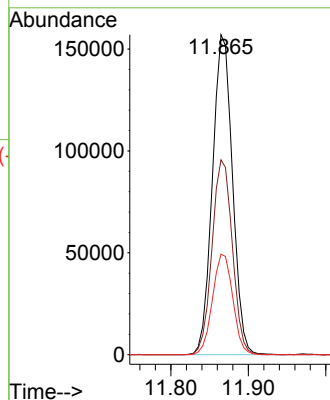
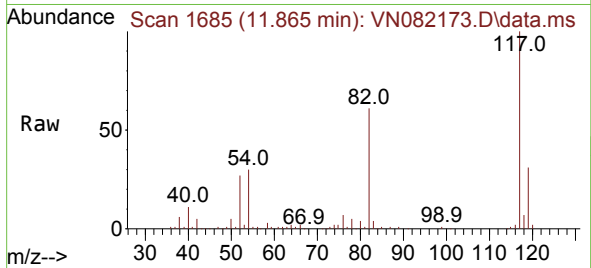




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

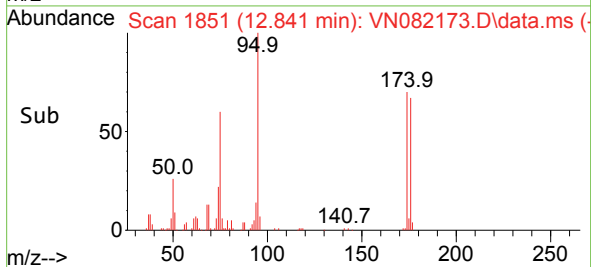
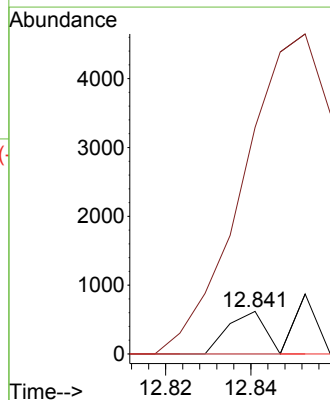
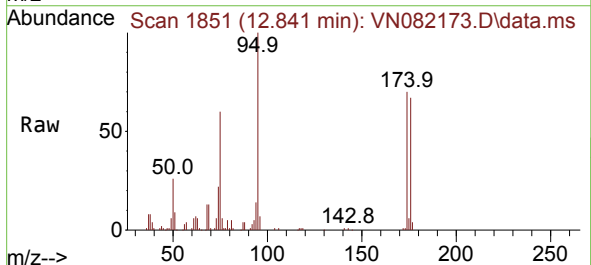
Instrument :
MSVOA_N
ClientSampleId :
280856

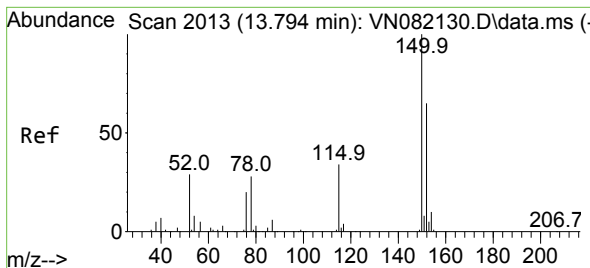
Tgt Ion:117 Resp: 282061
Ion Ratio Lower Upper
117 100
82 60.9 44.6 66.8
119 31.4 25.9 38.9



#71
Bromoform
Concen: 0.254 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion:173 Resp: 374
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN082173.D

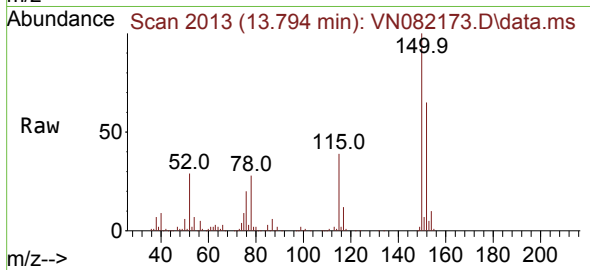
Acq: 16 May 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

280856



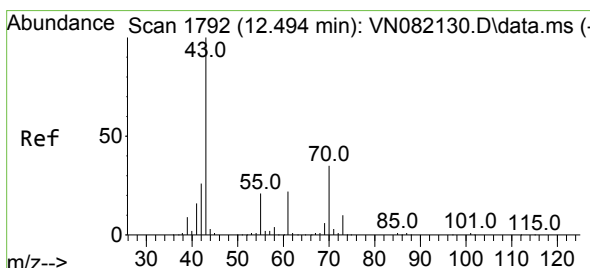
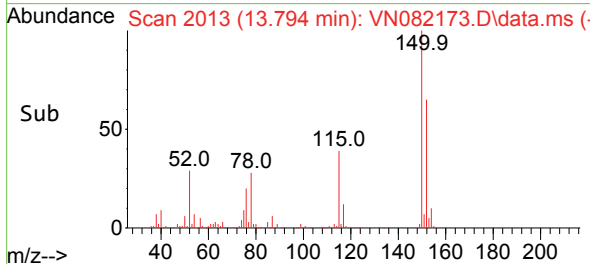
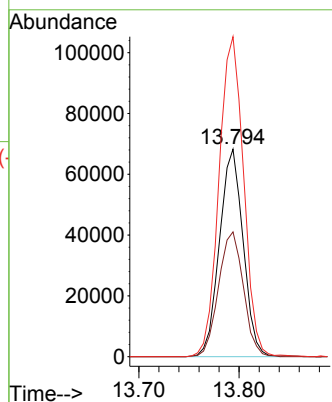
Tgt Ion:152 Resp: 111719

Ion Ratio Lower Upper

152 100

115 63.1 30.4 91.3

150 160.5 0.0 353.2



#74

N-ethyl acetate

Concen: 0.373 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN082173.D

Acq: 16 May 2024 19:42

Tgt Ion: 43 Resp: 1819

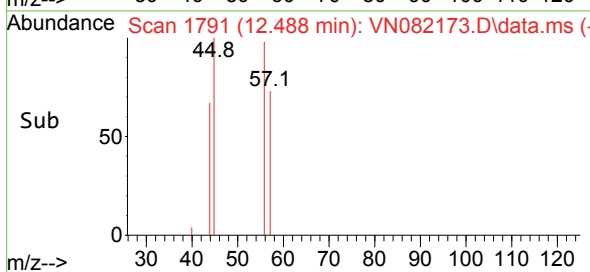
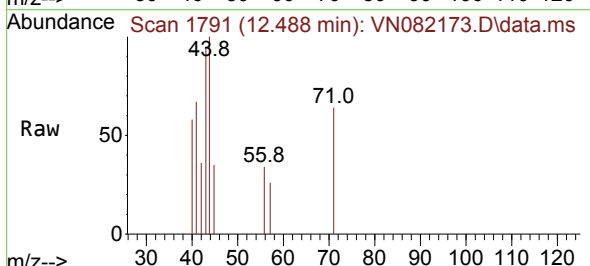
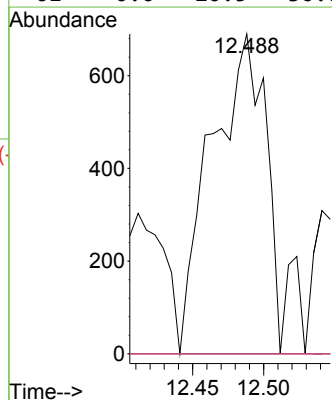
Ion Ratio Lower Upper

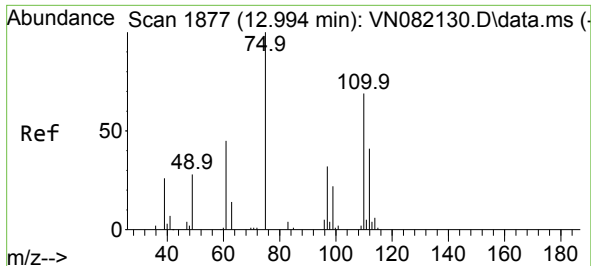
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#

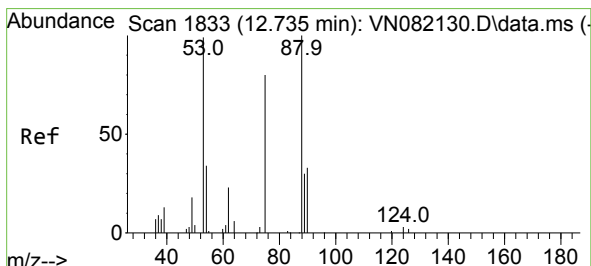
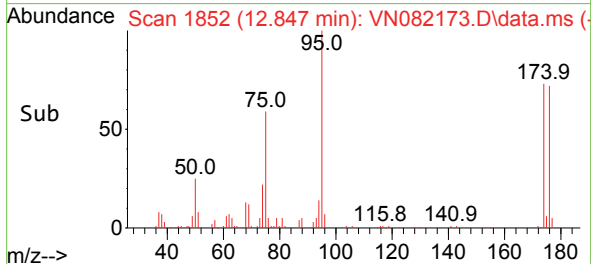
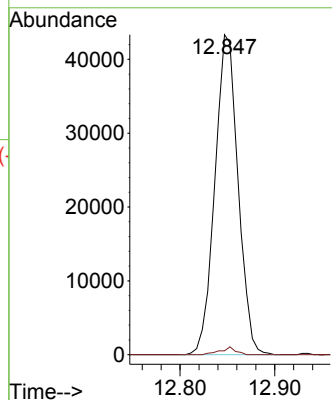
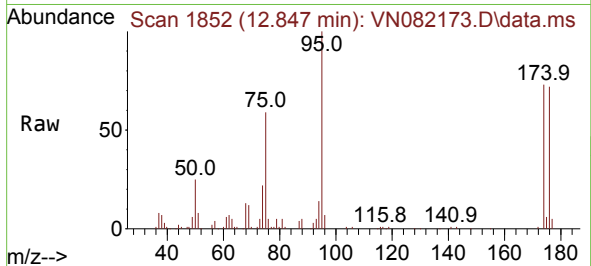




#76
1,2,3-Trichloropropane
Concen: 31.381 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :
280856

Tgt Ion: 75 Resp: 73790
Ion Ratio Lower Upper
75 100
77 1.6 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.399 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082173.D
Acq: 16 May 2024 19:42

Tgt Ion: 75 Resp: 73790
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

