

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081721.D
 Acq On : 12 Apr 2024 16:31
 Operator : JC\MD
 Sample : P2070-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:58:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

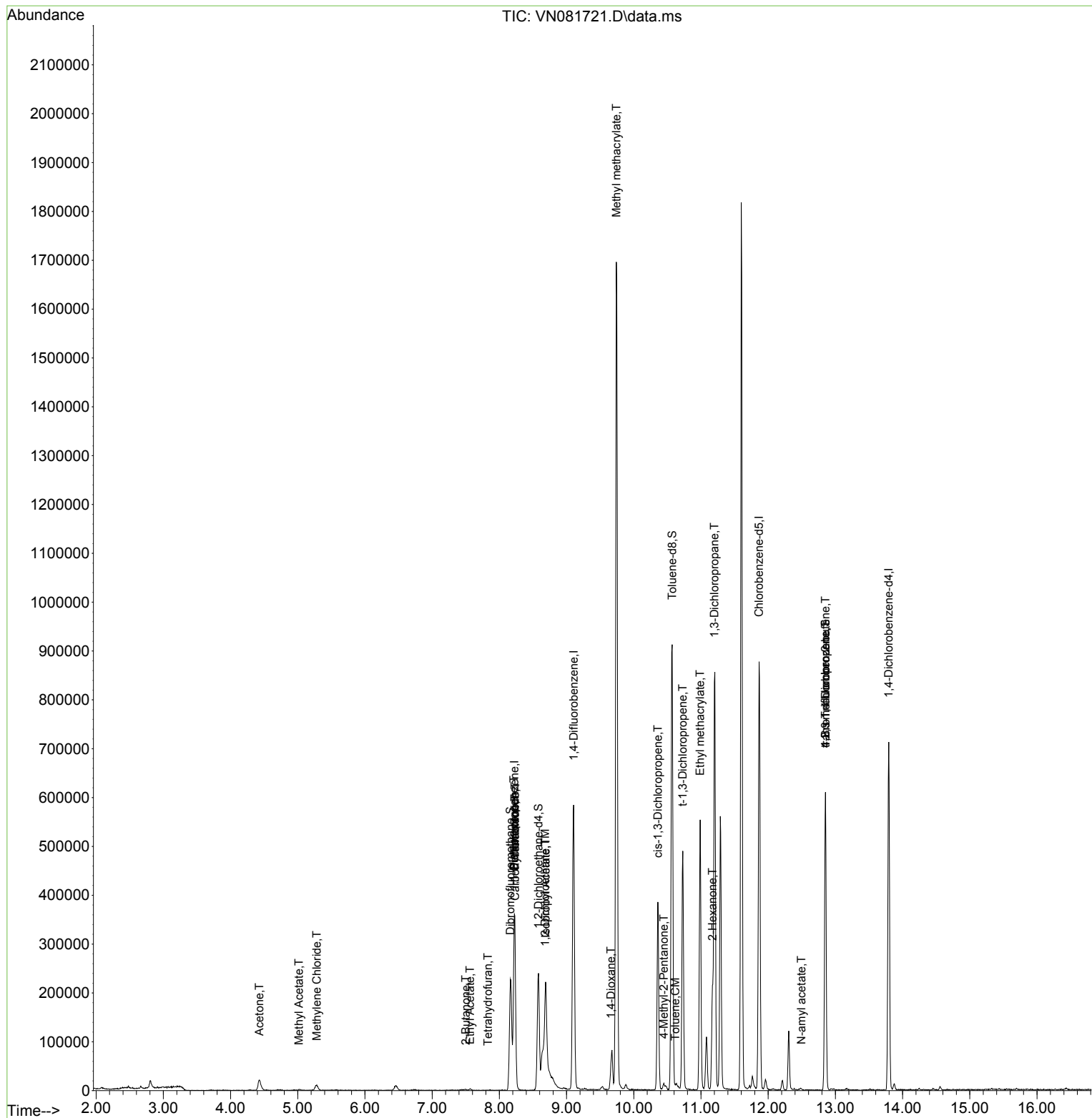
Internal Standards						
1) Pentafluorobenzene	8.224	168	258518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	496924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	510425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	198112	60.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.180%			
35) Dibromofluoromethane	8.165	113	160283	51.109	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.220%			
50) Toluene-d8	10.571	98	643719	56.782	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.560%#			
62) 4-Bromofluorobenzene	12.853	95	202091	50.591	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 101.180%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	40188	37.720	ug/l	89
18) Methyl Acetate	5.018	43	1528	0.465	ug/l	92
20) Methylene Chloride	5.283	84	8697	2.492	ug/l #	71
25) 2-Butanone	7.500	43	4009	2.194	ug/l	93
29) Tetrahydrofuran	7.830	42	266	0.216	ug/l #	38
31) Cyclohexane	8.230	56	6728	1.254	ug/l #	24
36) 1,1-Dichloropropene	8.218	75	22499	4.263	ug/l #	45
37) Ethyl Acetate	7.565	43	4690	1.038	ug/l #	87
38) Carbon Tetrachloride	8.235	117	27322	4.726	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1462	0.269	ug/l #	75
43) Isopropyl Acetate	8.688	43	337136	45.005	ug/l #	80
48) Methyl methacrylate	9.741	41	156961	45.427	ug/l #	48
49) 1,4-Dioxane	9.659	88	54	0.650	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6997	1.531	ug/l #	87
52) Toluene	10.618	92	4654	0.475	ug/l	94
53) t-1,3-Dichloropropene	10.729	75	1270	0.212	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	69398	10.796	ug/l #	63
56) Ethyl methacrylate	10.988	69	3428	1.211	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	9108	1.408	ug/l #	44
59) 2-Hexanone	11.171	43	150787	44.617	ug/l #	26
74) N-amyl acetate	12.494	43	1964	0.330	ug/l #	60
76) 1,2,3-Trichloropropane	12.853	75	106986	23.165	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	106986	62.600	ug/l #	14

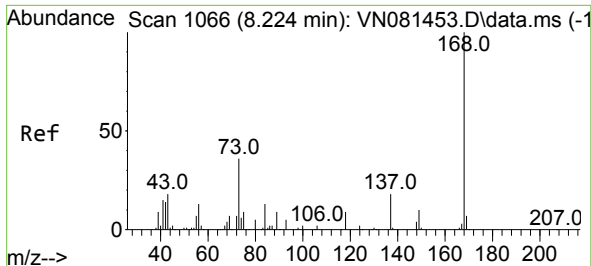
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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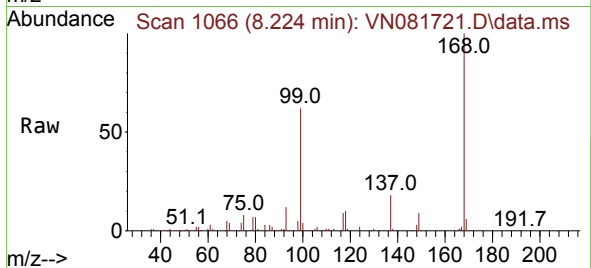
Quant Time: Apr 13 06:58:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
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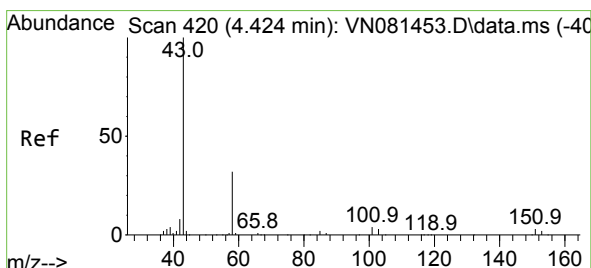
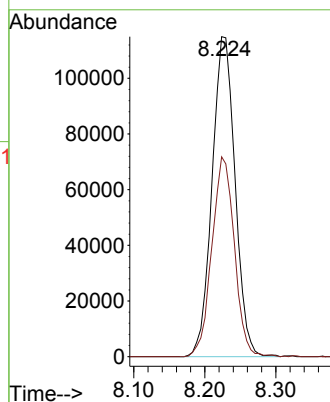
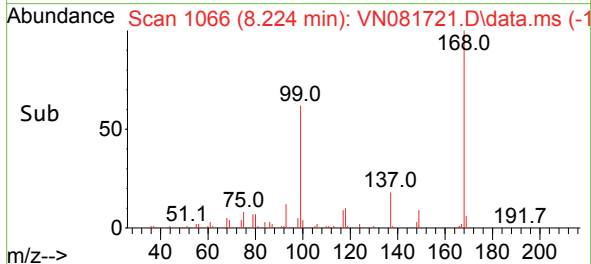


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

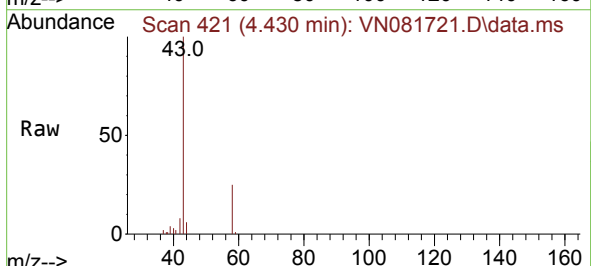
Instrument :
MSVOA_N
ClientSampleId :



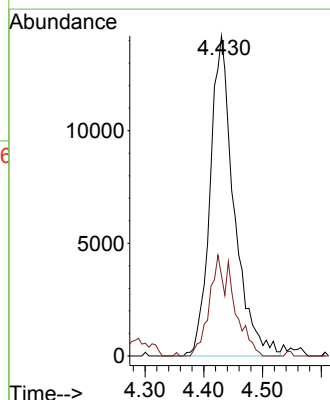
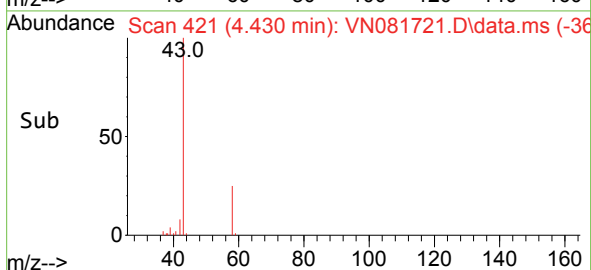
Tgt Ion:168 Resp: 258518
Ion Ratio Lower Upper
168 100
99 62.4 59.9 89.9

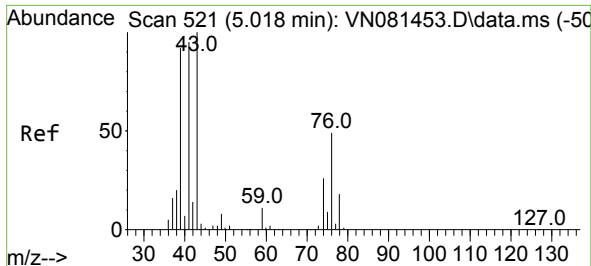


#16
Acetone
Concen: 37.720 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31



Tgt Ion: 43 Resp: 40188
Ion Ratio Lower Upper
43 100
58 25.1 24.8 37.2

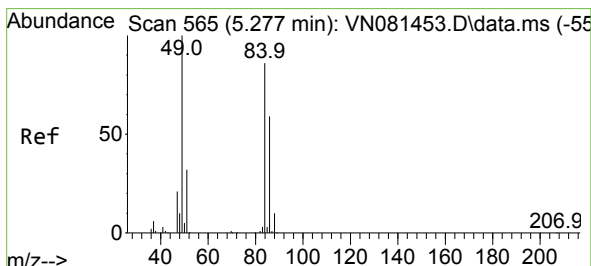
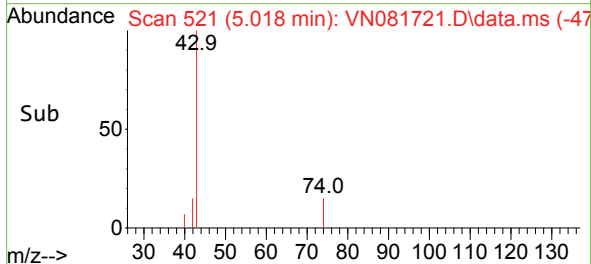
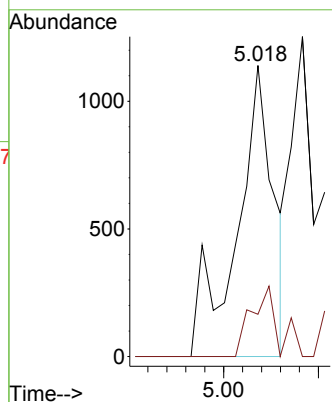
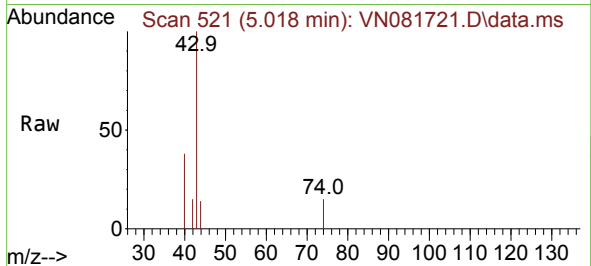




#18
Methyl Acetate
Concen: 0.465 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

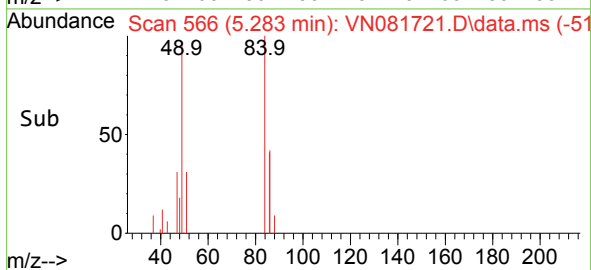
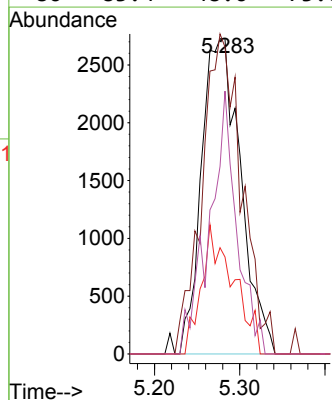
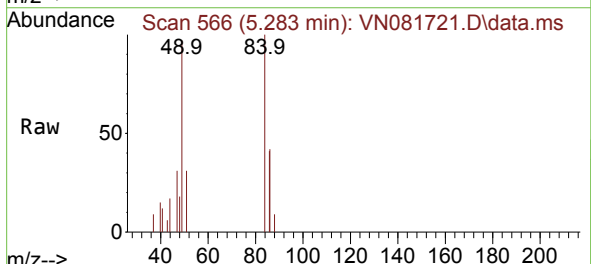
Instrument :
MSVOA_N
ClientSampleId :

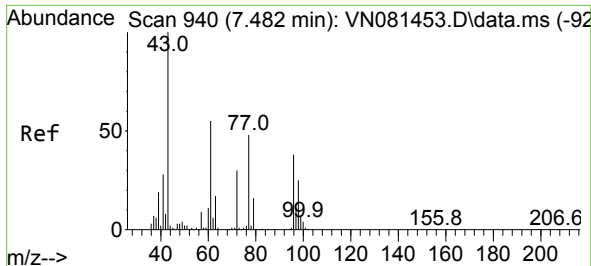
Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
74 17.9 17.3 25.9



#20
Methylene Chloride
Concen: 2.492 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

Tgt Ion: 84 Resp: 8697
Ion Ratio Lower Upper
84 100
49 97.3 108.1 162.1#
51 30.8 32.9 49.3#
86 83.4 48.6 73.0#

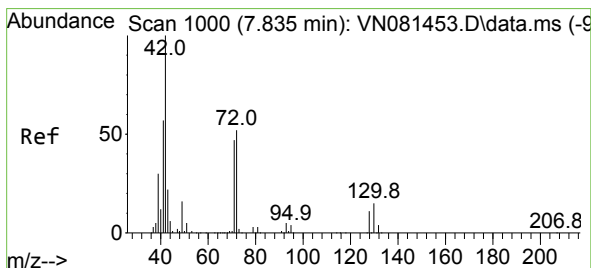
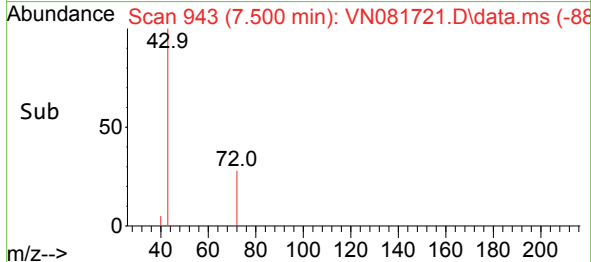
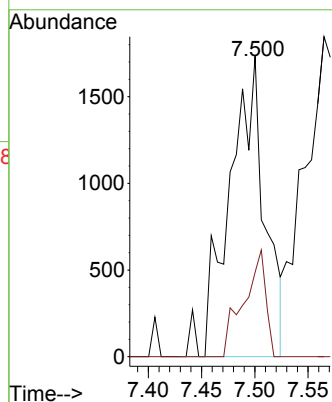
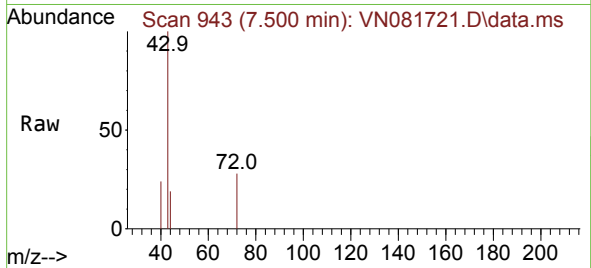




#25
2-Butanone
Concen: 2.194 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

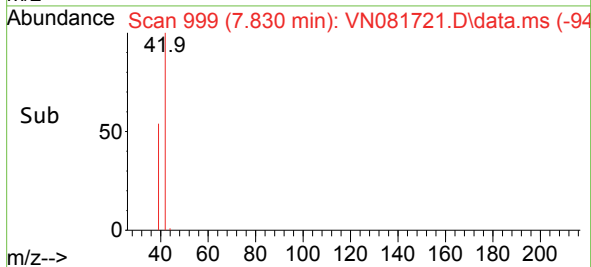
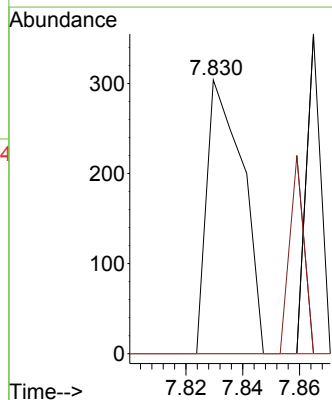
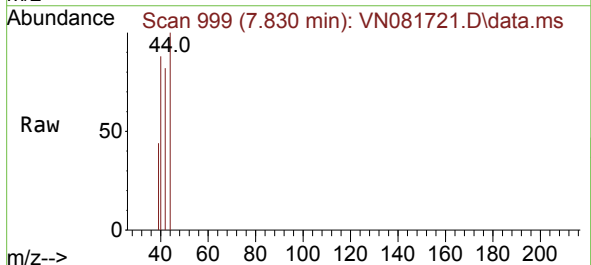
Instrument :
MSVOA_N
ClientSampleId :

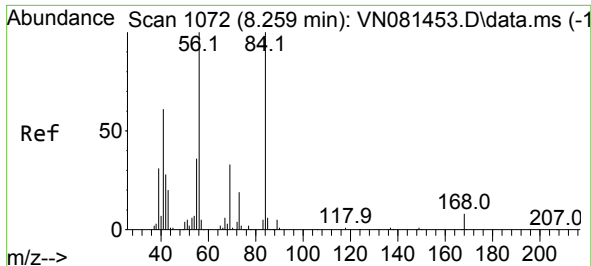
Tgt Ion: 43 Resp: 4009
Ion Ratio Lower Upper
43 100
72 28.1 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

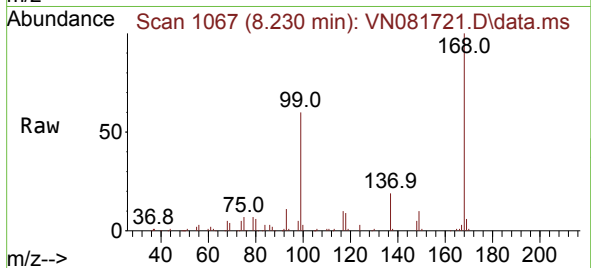
Tgt Ion: 42 Resp: 266
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 0.0 28.3 42.5#



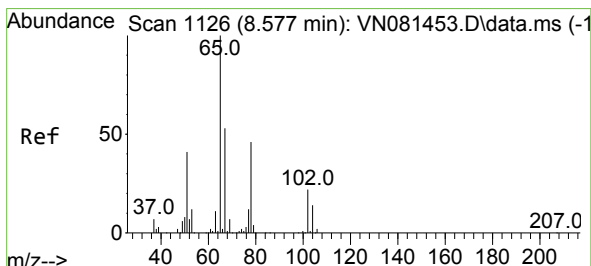
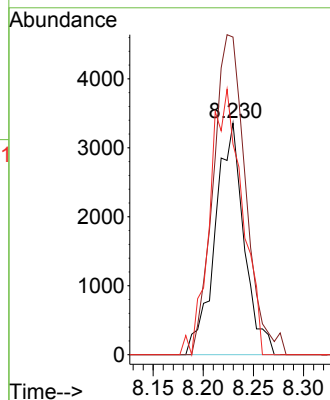
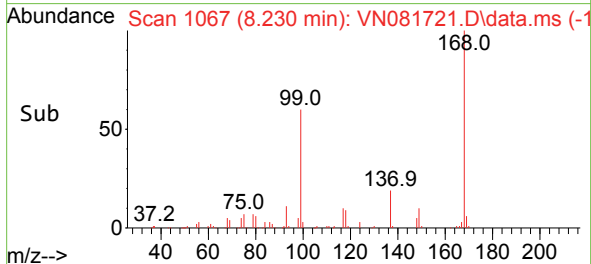


#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

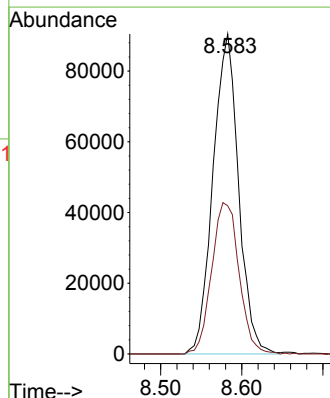
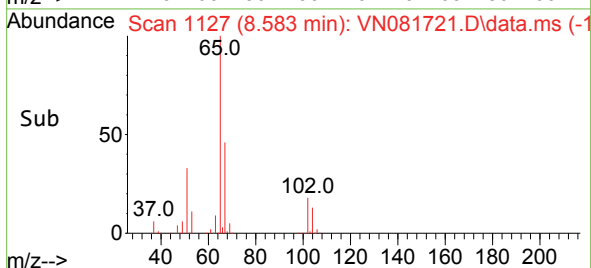
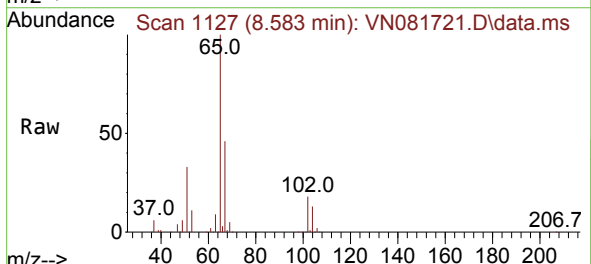


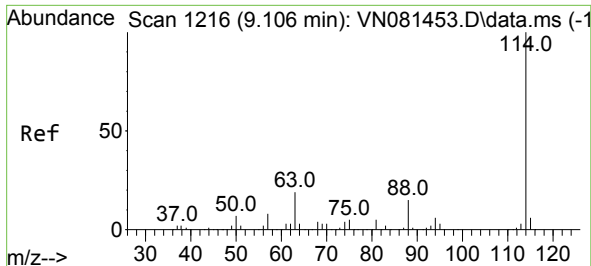
Tgt Ion: 56 Resp: 6728
Ion Ratio Lower Upper
56 100
69 137.2 20.1 30.1#
84 91.0 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 60.092 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

Tgt Ion: 65 Resp: 198112
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081721.D

Acq: 12 Apr 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :

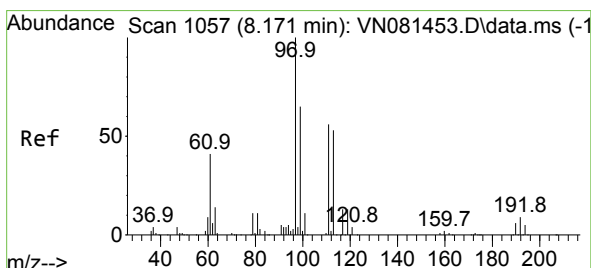
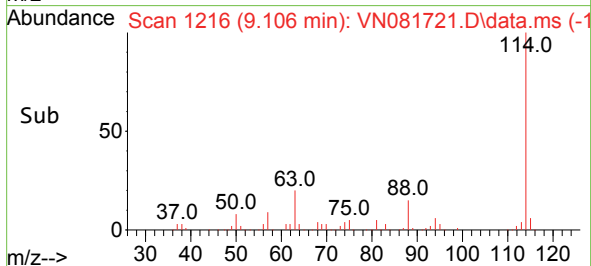
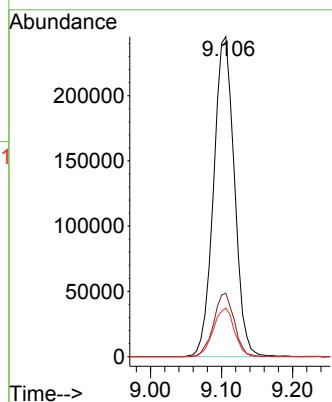
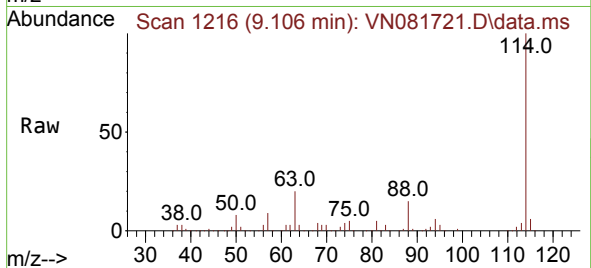
Tgt Ion:114 Resp: 496924

Ion Ratio Lower Upper

114 100

63 19.8 0.0 48.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.109 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081721.D

Acq: 12 Apr 2024 16:31

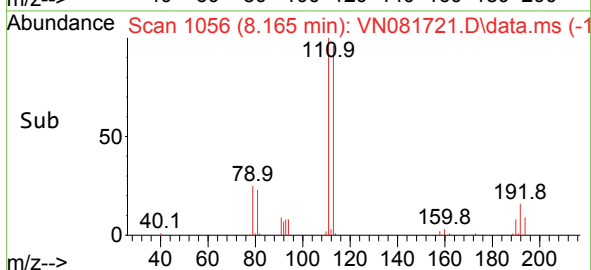
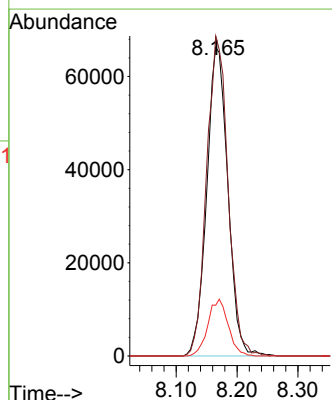
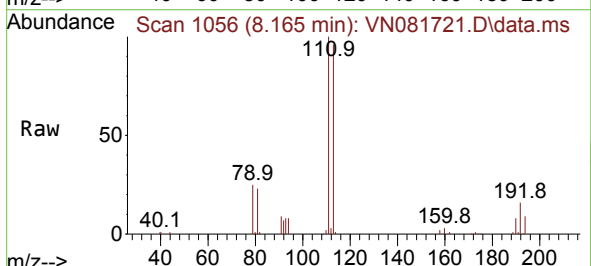
Tgt Ion:113 Resp: 160283

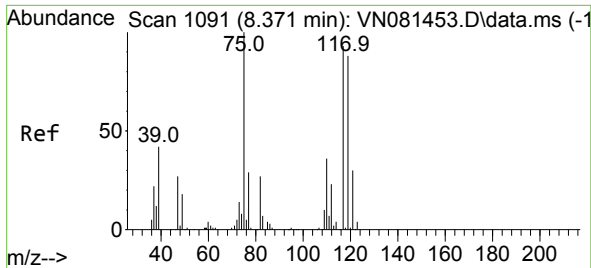
Ion Ratio Lower Upper

113 100

111 104.7 82.2 123.4

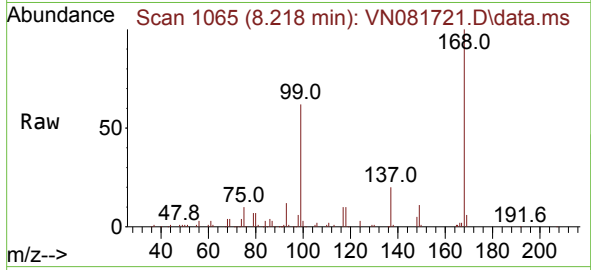
192 17.6 12.5 18.7



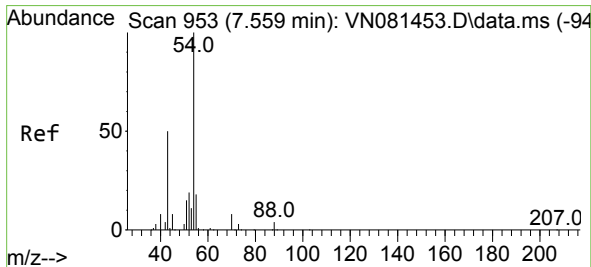
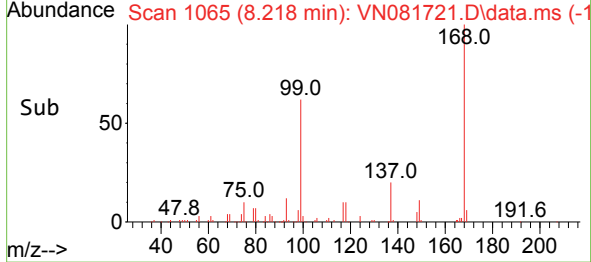
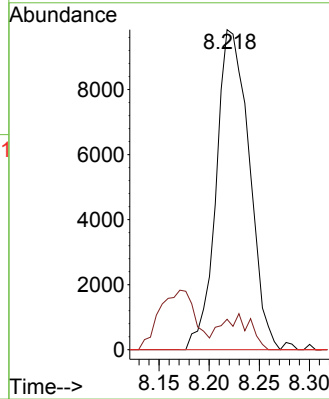


#36
1,1-Dichloropropene
Concen: 4.263 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

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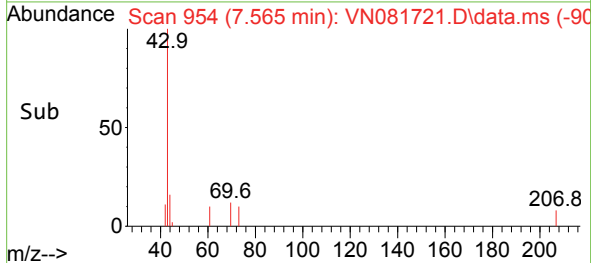
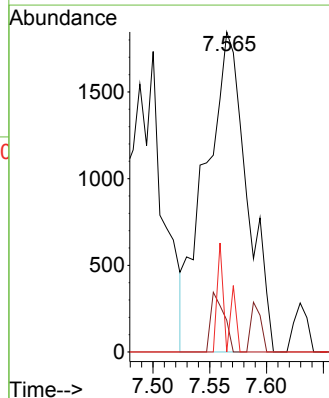
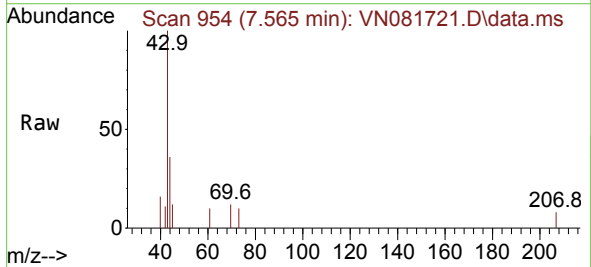


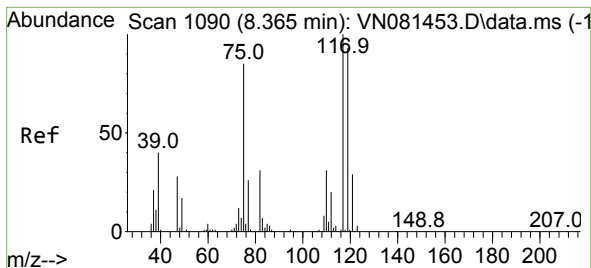
Tgt Ion: 75 Resp: 22499
Ion Ratio Lower Upper
75 100
110 2.6 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.038 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

Tgt Ion: 43 Resp: 4690
Ion Ratio Lower Upper
43 100
61 6.0 10.6 15.8#
70 7.6 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 4.726 ug/l

RT: 8.235 min Scan# 1106

Delta R.T. -0.129 min

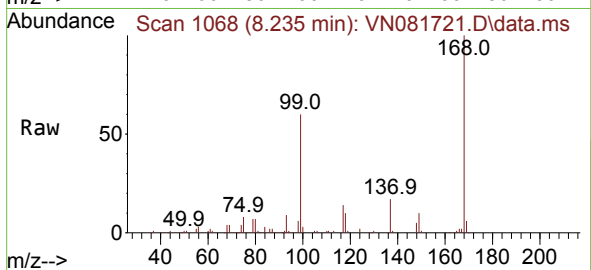
Lab File: VN081721.D

Acq: 12 Apr 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :



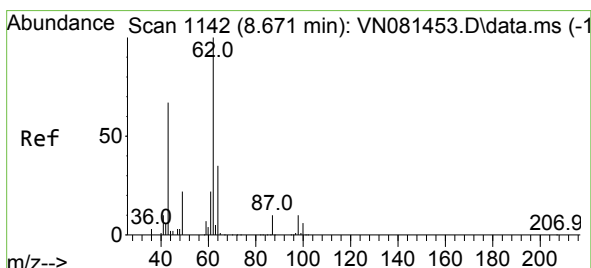
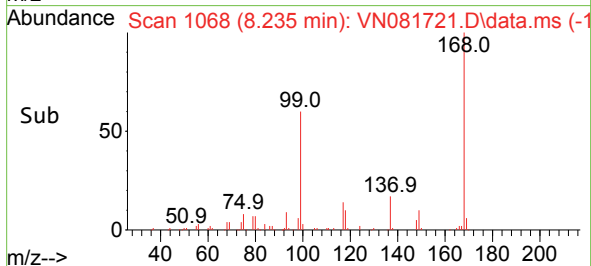
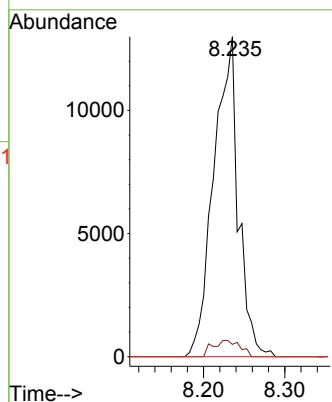
Tgt Ion:117 Resp: 27322

Ion Ratio Lower Upper

117 100

119 3.9 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.269 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN081721.D

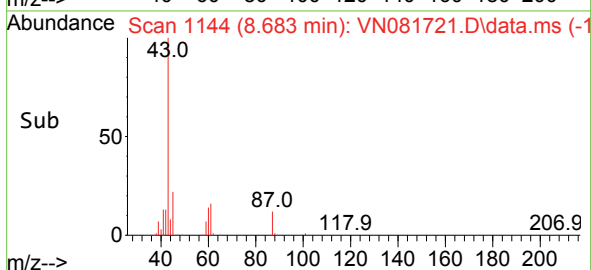
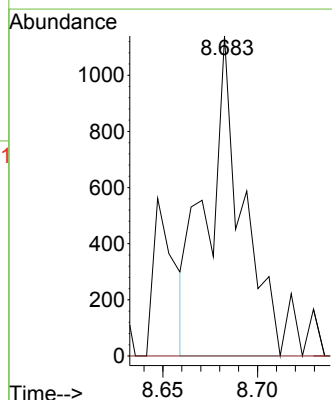
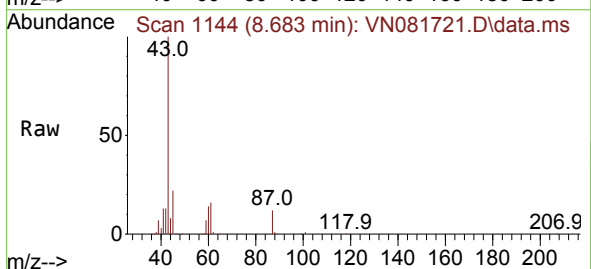
Acq: 12 Apr 2024 16:31

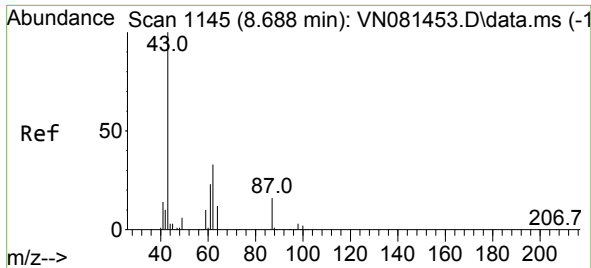
Tgt Ion: 62 Resp: 1462

Ion Ratio Lower Upper

62 100

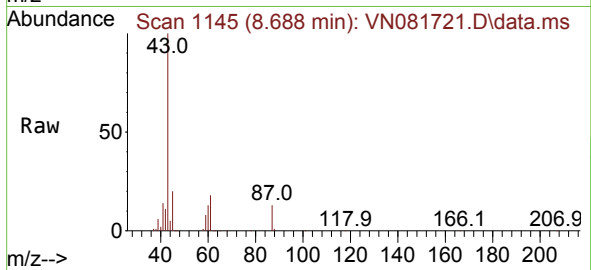
98 0.0 0.0 18.0



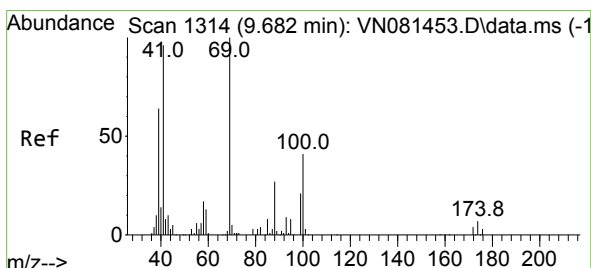
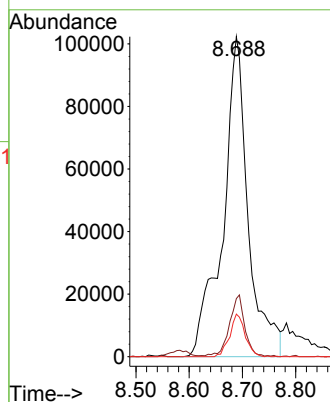
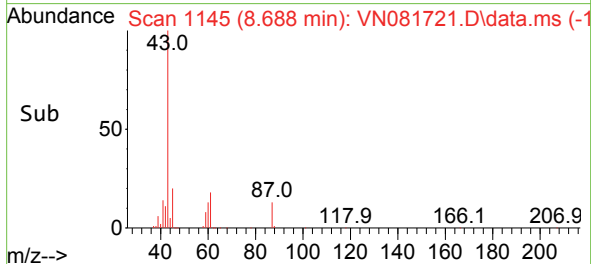


#43
Isopropyl Acetate
Concen: 45.005 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

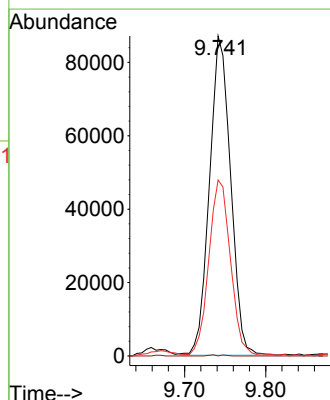
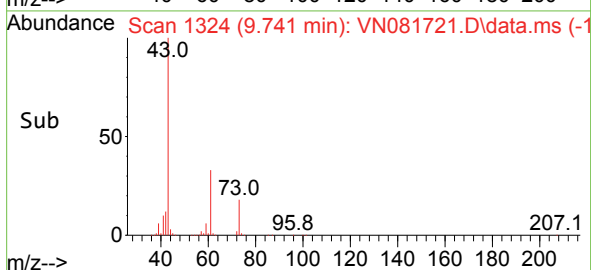
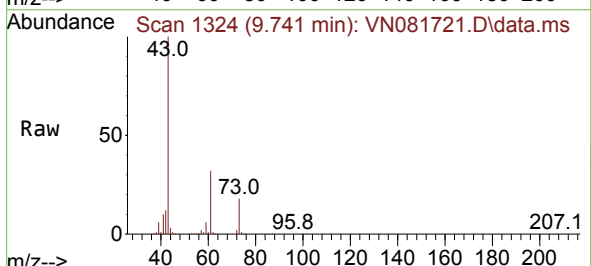


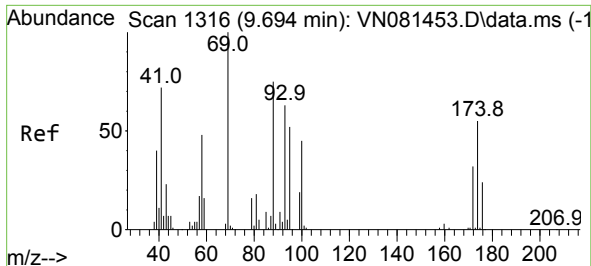
Tgt Ion: 43 Resp: 337136
Ion Ratio Lower Upper
43 100
61 11.9 19.9 29.9#
87 8.1 9.0 13.6#



#48
Methyl methacrylate
Concen: 45.427 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

Tgt Ion: 41 Resp: 156961
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.2#
39 57.1 47.6 71.4





#49

1,4-Dioxane

Concen: 0.650 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.035 min

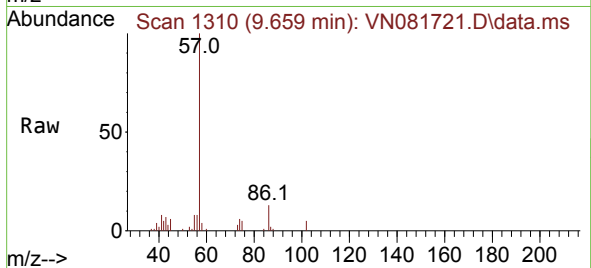
Lab File: VN081721.D

Acq: 12 Apr 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :



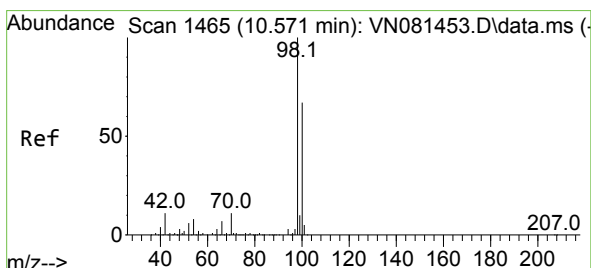
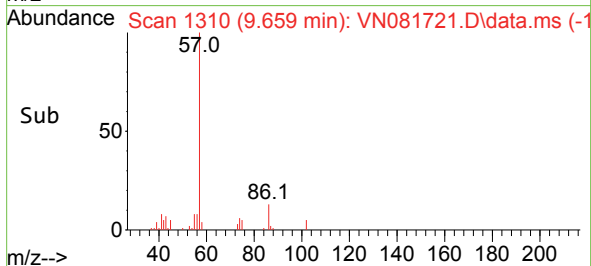
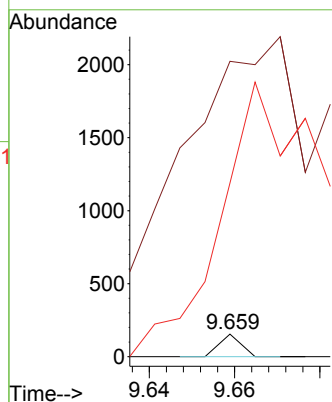
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 6464.8 63.9 95.9#



#50

Toluene-d8

Concen: 56.782 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081721.D

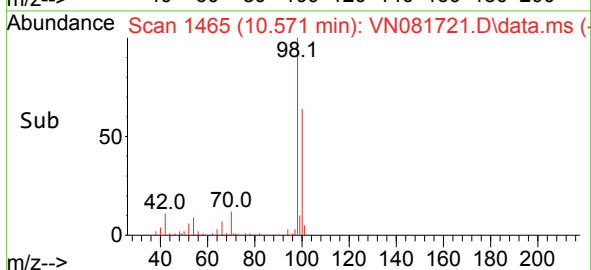
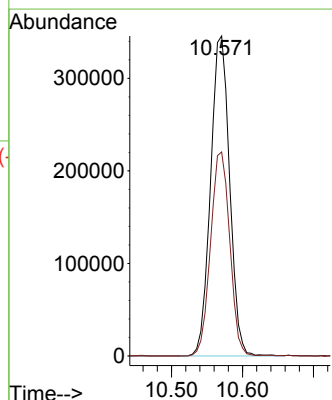
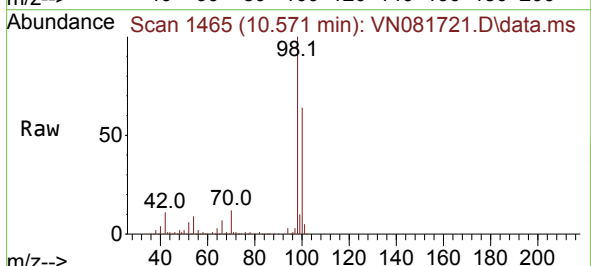
Acq: 12 Apr 2024 16:31

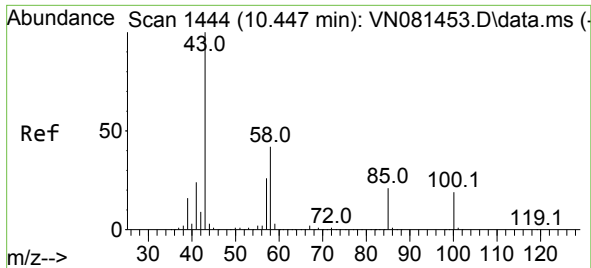
Tgt Ion: 98 Resp: 643719

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0

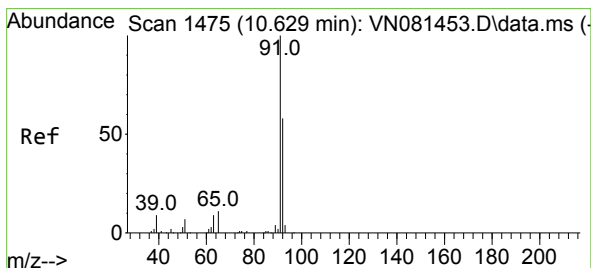
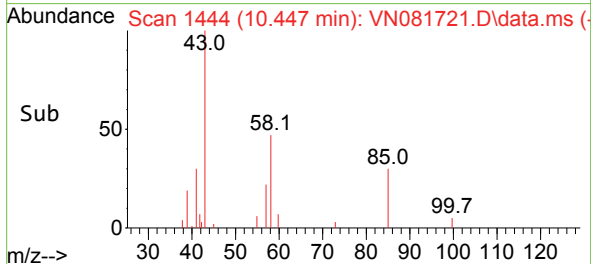
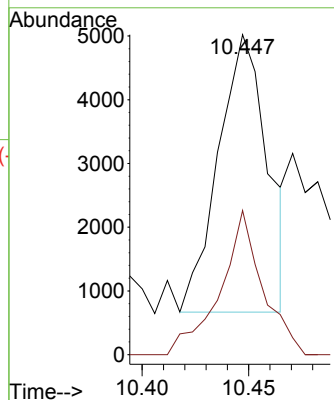
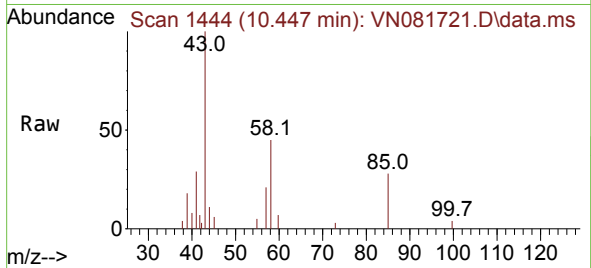




#51
4-Methyl-2-Pentanone
Concen: 1.531 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

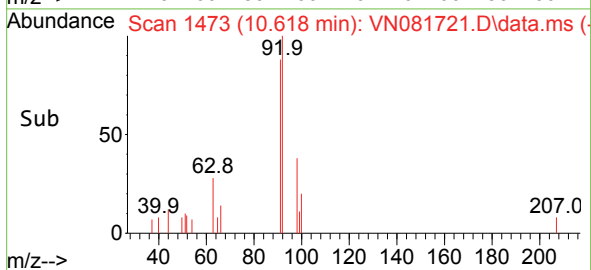
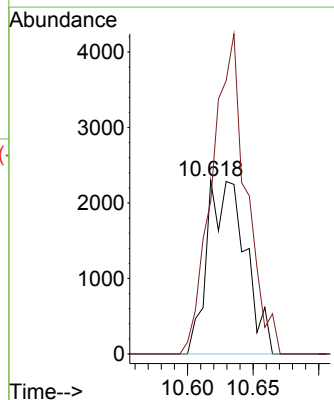
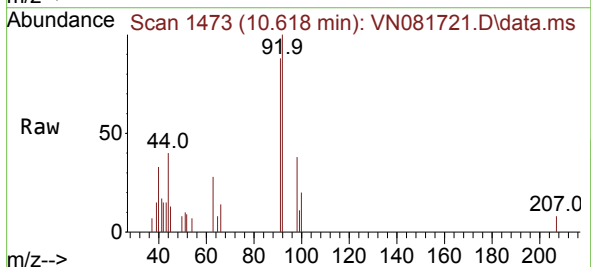
Instrument :
MSVOA_N
ClientSampleId :

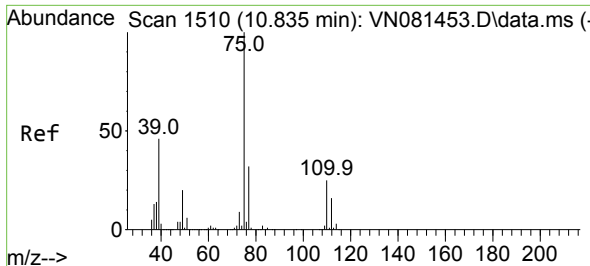
Tgt Ion: 43 Resp: 6997
Ion Ratio Lower Upper
43 100
58 44.7 29.4 44.0#



#52
Toluene
Concen: 0.475 ug/l
RT: 10.618 min Scan# 1473
Delta R.T. -0.012 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

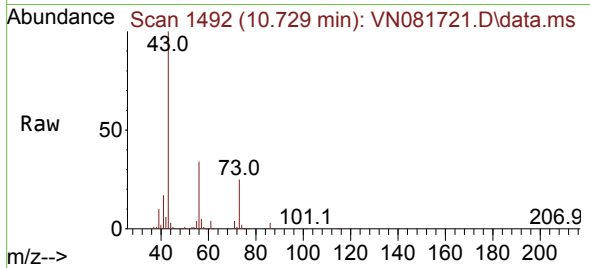
Tgt Ion: 92 Resp: 4654
Ion Ratio Lower Upper
92 100
91 166.1 139.4 209.0



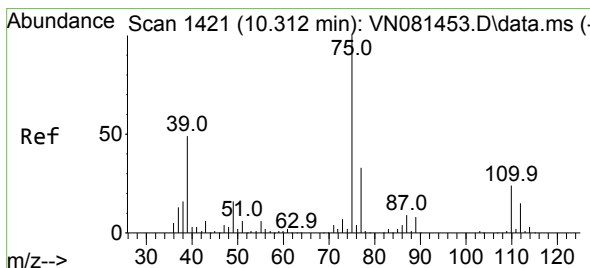
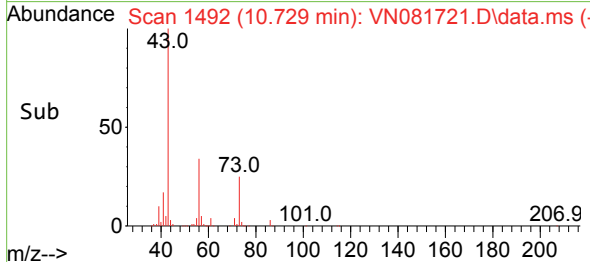
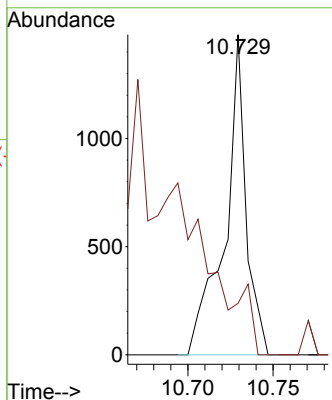


#53
 t-1,3-Dichloropropene
 Concen: 0.212 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN081721.D
 Acq: 12 Apr 2024 16:31

Instrument :
 MSVOA_N
 ClientSampleId :

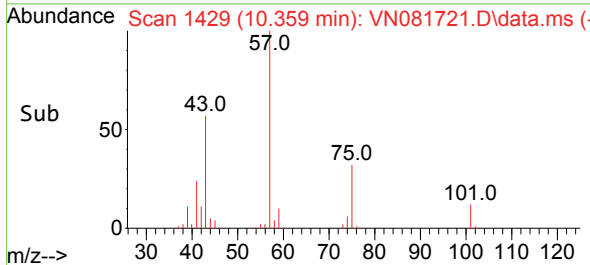
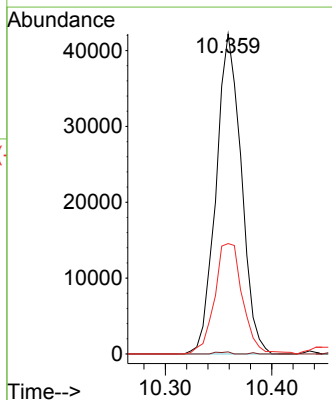
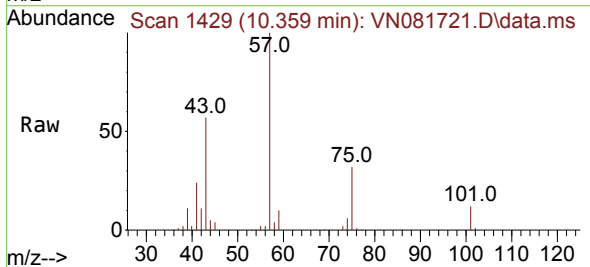


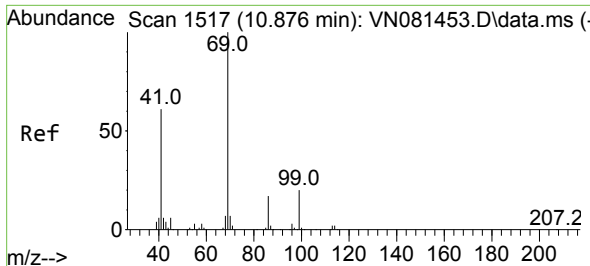
Tgt Ion: 75 Resp: 1270
 Ion Ratio Lower Upper
 75 100
 77 16.1 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 10.796 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081721.D
 Acq: 12 Apr 2024 16:31

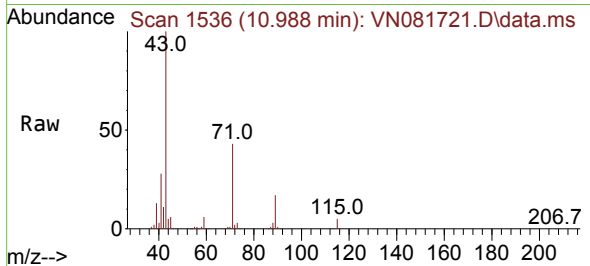
Tgt Ion: 75 Resp: 69398
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.3 34.9#
 39 34.5 44.6 66.8#



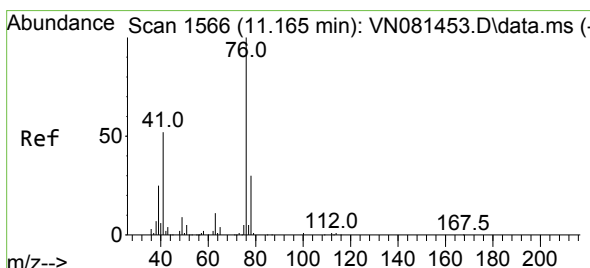
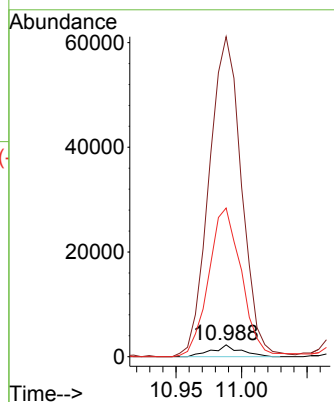
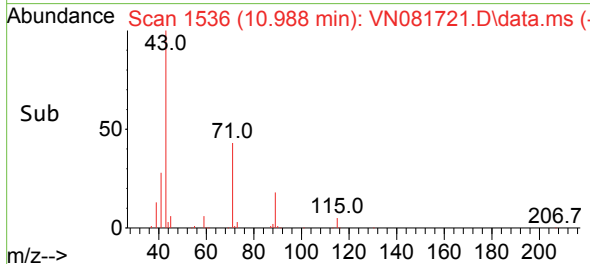


#56
Ethyl methacrylate
Concen: 1.211 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

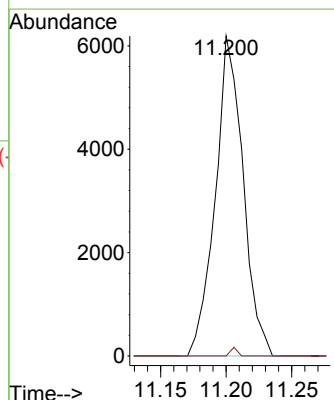
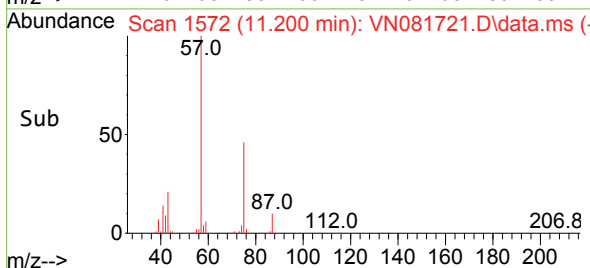
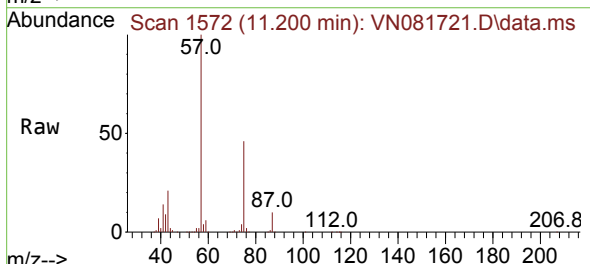


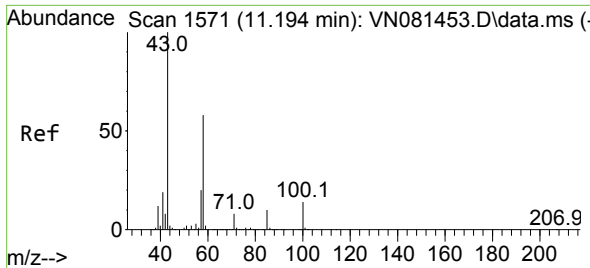
Tgt Ion: 69 Resp: 3428
Ion Ratio Lower Upper
69 100
41 3076.3 61.0 91.6#
39 1453.9 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.408 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

Tgt Ion: 76 Resp: 9108
Ion Ratio Lower Upper
76 100
78 0.6 25.5 38.3#

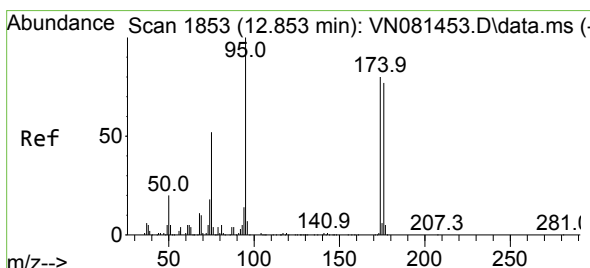
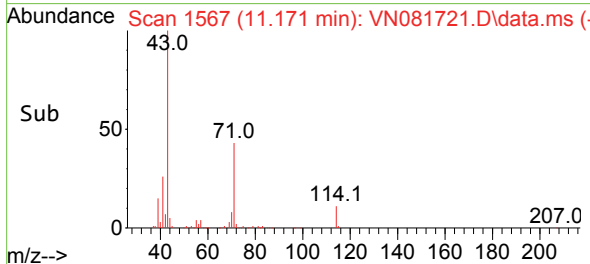
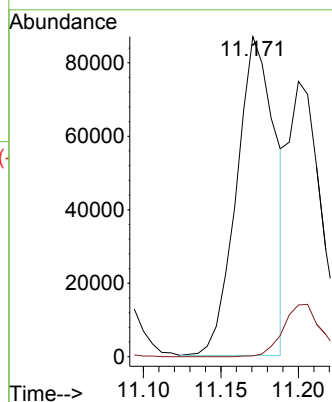
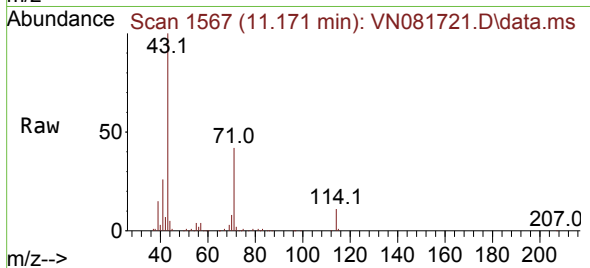




#59
2-Hexanone
Concen: 44.617 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

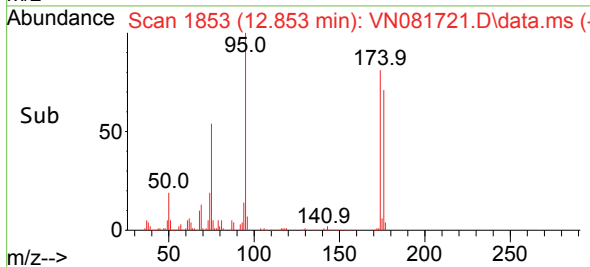
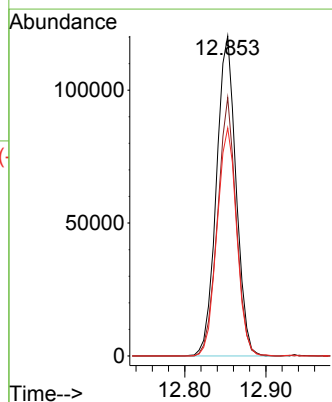
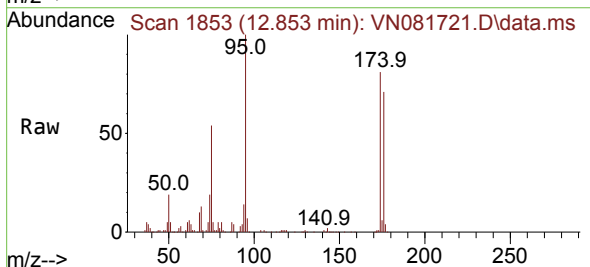
Instrument :
MSVOA_N
ClientSampleId :

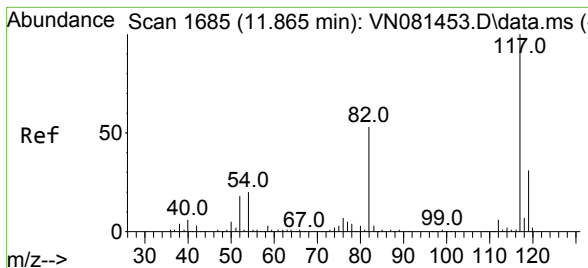
Tgt Ion: 43 Resp: 150787
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 50.591 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

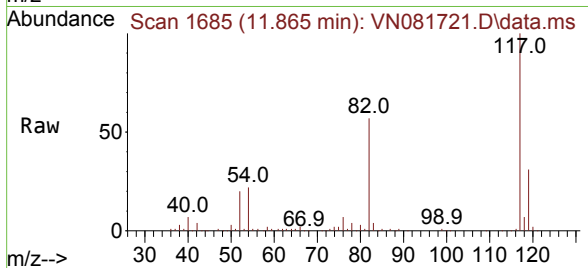
Tgt Ion: 95 Resp: 202091
Ion Ratio Lower Upper
95 100
174 76.9 0.0 120.4
176 71.5 0.0 121.0



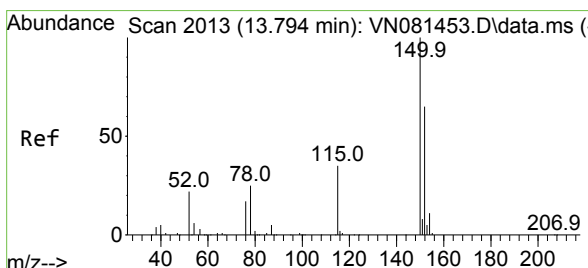
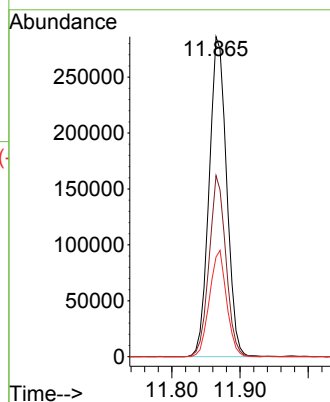
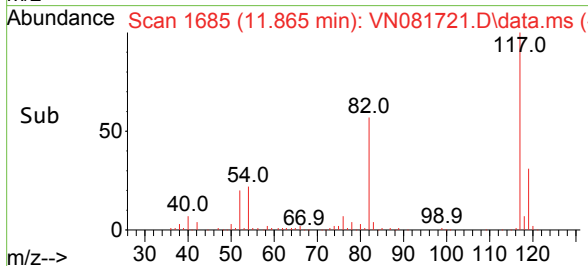


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

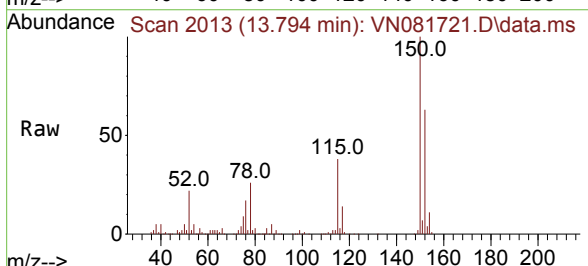
Instrument :
MSVOA_N
ClientSampleId :



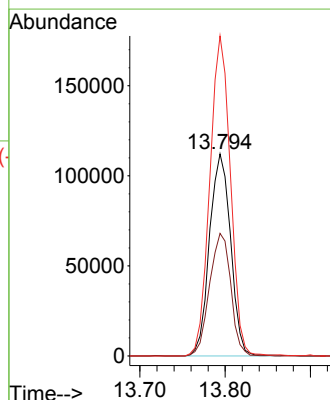
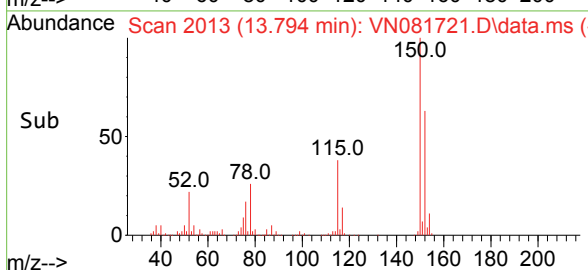
Tgt Ion:117 Resp: 510425
Ion Ratio Lower Upper
117 100
82 56.6 52.7 79.1
119 31.1 25.3 37.9

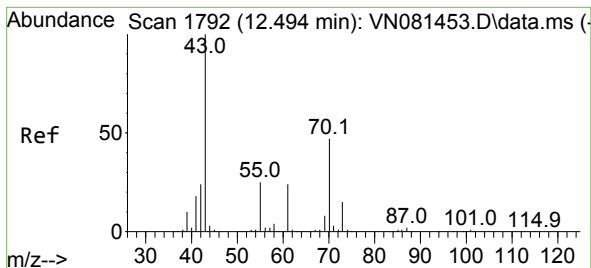


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31



Tgt Ion:152 Resp: 193074
Ion Ratio Lower Upper
152 100
115 60.9 32.3 96.8
150 154.7 0.0 339.8





#74

N-amy1 acetate

Concen: 0.330 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

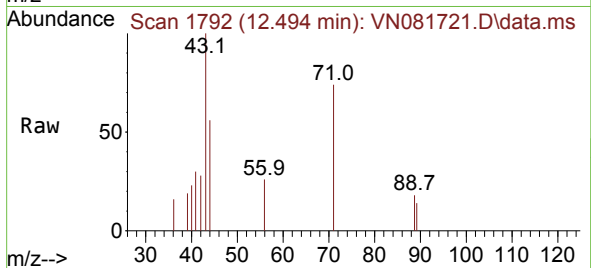
Lab File: VN081721.D

Acq: 12 Apr 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1964

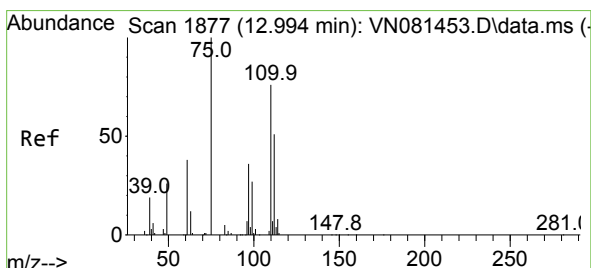
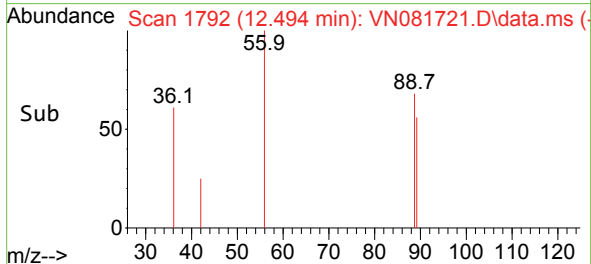
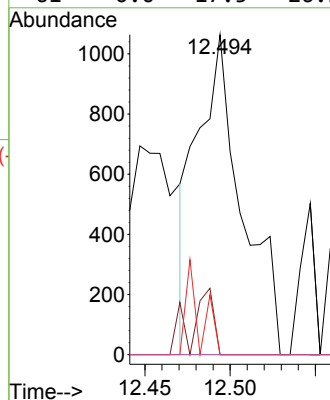
Ion Ratio Lower Upper

43 100

70 10.3 30.1 45.1#

55 9.3 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 23.165 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081721.D

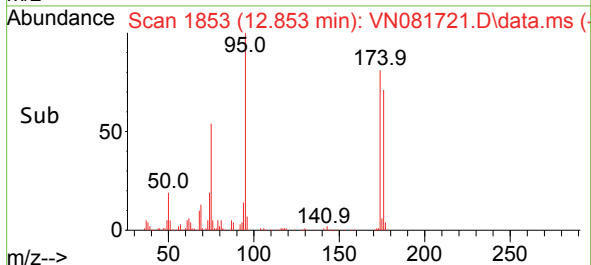
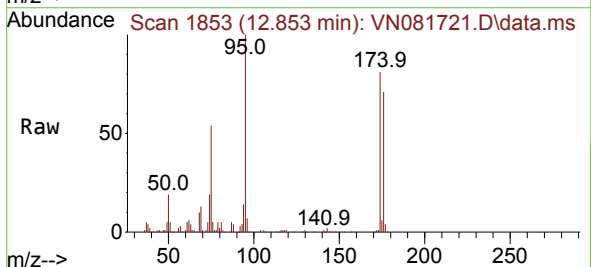
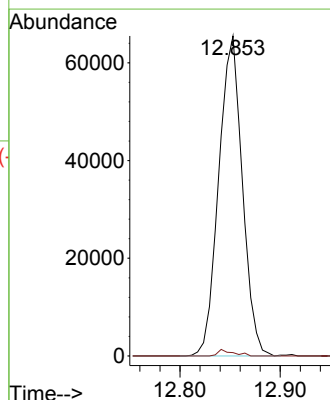
Acq: 12 Apr 2024 16:31

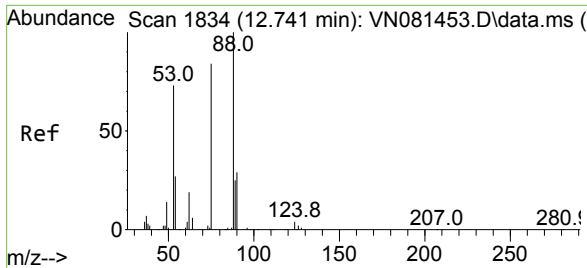
Tgt Ion: 75 Resp: 106986

Ion Ratio Lower Upper

75 100

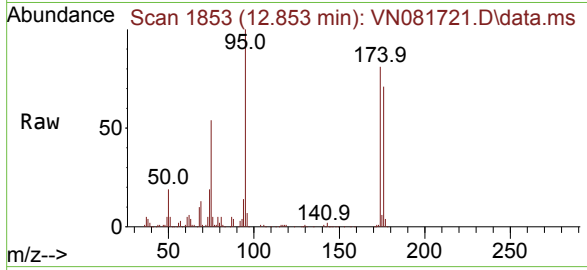
77 1.3 91.0 272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 62.600 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN081721.D
Acq: 12 Apr 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 106986
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.1 33.4 50.0#

