

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
 Data File : VN078952.D
 Acq On : 18 Aug 2023 19:12
 Operator : JC\MD
 Sample : PB154902ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 23:47:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

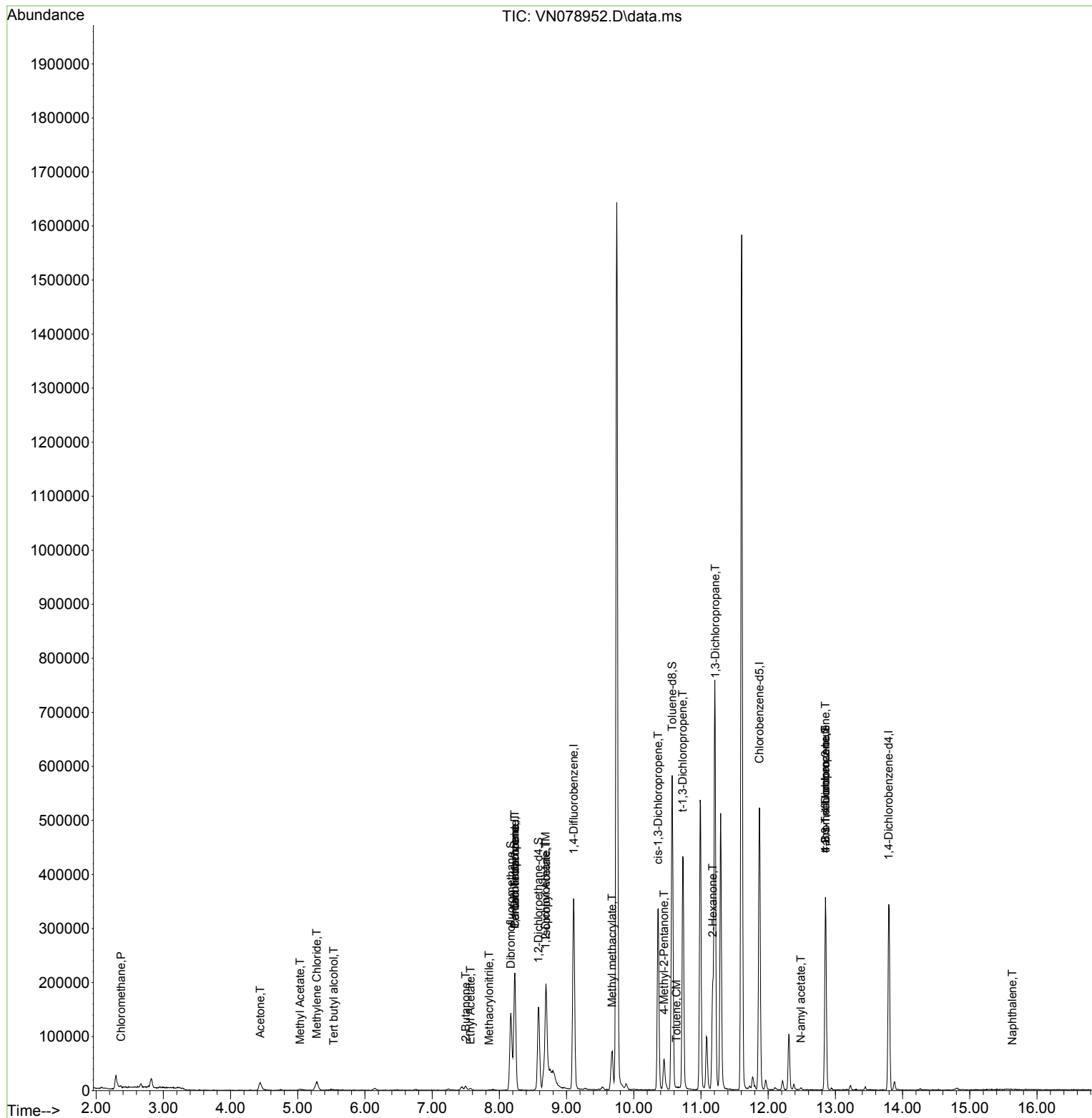
Internal Standards						
1) Pentafluorobenzene	8.229	168	155393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	296731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121774	50.360	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.720%		
35) Dibromofluoromethane	8.171	113	100805	50.942	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.880%		
50) Toluene-d8	10.570	98	383914	52.251	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.500%		
62) 4-Bromofluorobenzene	12.853	95	112434	46.816	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 93.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1211	0.402	ug/l #	42
11) Tert butyl alcohol	5.536	59	349	0.860	ug/l #	72
16) Acetone	4.441	43	27370	27.432	ug/l	96
18) Methyl Acetate	5.036	43	4600	1.091	ug/l #	69
20) Methylene Chloride	5.283	84	11633	5.471	ug/l #	83
25) 2-Butanone	7.500	43	11811	7.384	ug/l	96
31) Cyclohexane	8.229	56	4074	Below Cal	#	28
36) 1,1-Dichloropropene	8.229	75	13586	4.564	ug/l #	49
37) Ethyl Acetate	7.571	43	5681	1.706	ug/l #	76
38) Carbon Tetrachloride	8.229	117	16842	5.647	ug/l #	16
41) Methacrylonitrile	7.847	41	378	0.208	ug/l #	12
42) 1,2-Dichloroethane	8.688	62	1170	0.356	ug/l #	73
43) Isopropyl Acetate	8.694	43	268926	45.685	ug/l #	70
48) Methyl methacrylate	9.676	41	6035	2.262	ug/l #	33
51) 4-Methyl-2-Pentanone	10.453	43	46387	13.286	ug/l #	82
52) Toluene	10.635	92	1217	0.225	ug/l	90
53) t-1,3-Dichloropropene	10.729	75	1243	0.365	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	55704	15.033	ug/l #	73
57) 1,3-Dichloropropane	11.212	76	7564	1.952	ug/l #	42
59) 2-Hexanone	11.176	43	166197	65.723	ug/l #	19
74) N-amyl acetate	12.488	43	1541	0.403	ug/l #	44
76) 1,2,3-Trichloropropane	12.853	75	64838	29.609	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	64838	75.638	ug/l #	15
95) Naphthalene	15.635	128	143	2.607	ug/l #	70

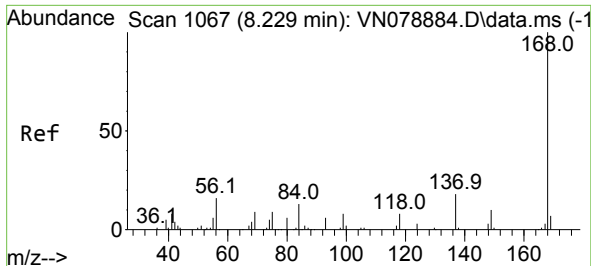
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN078952.D
Acq On : 18 Aug 2023 19:12
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
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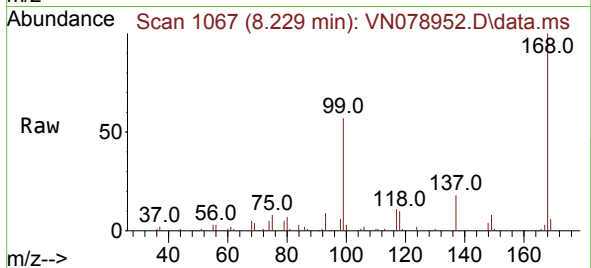
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Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



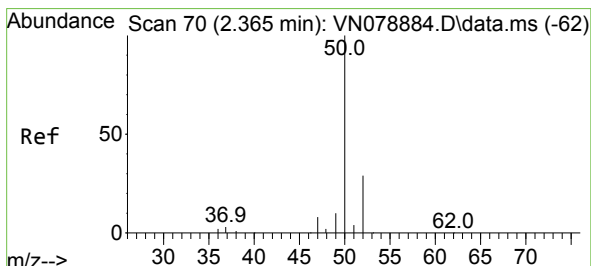
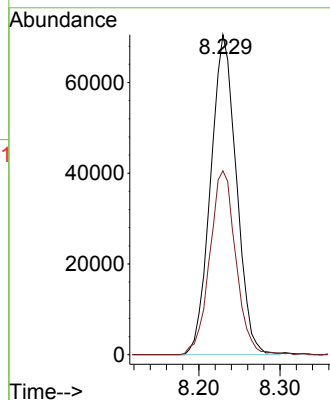
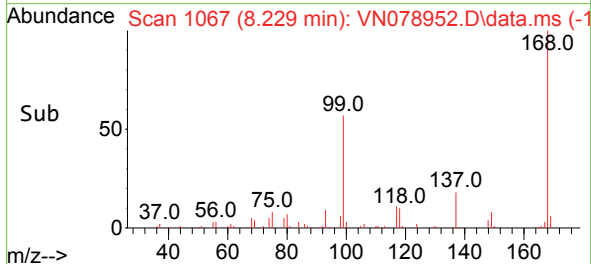


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

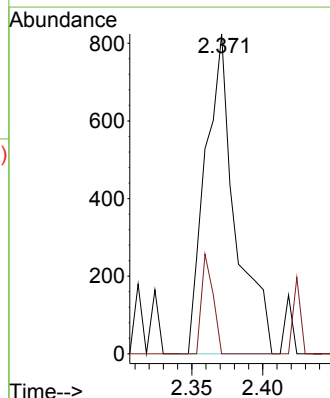
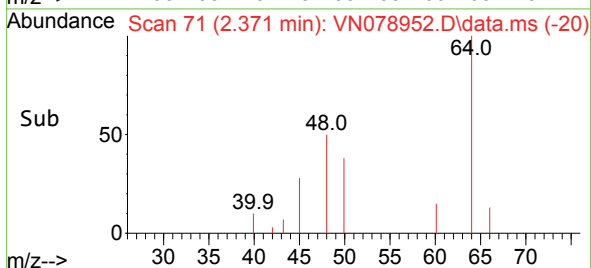
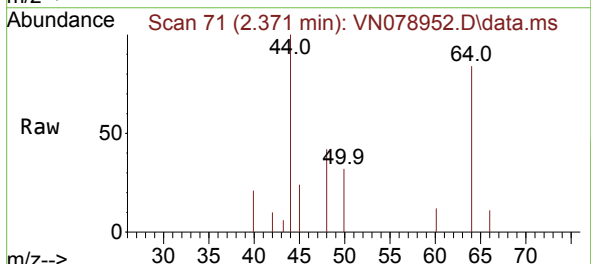


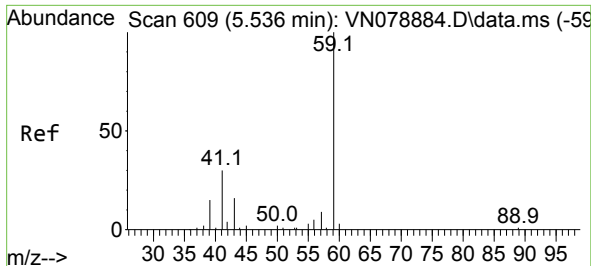
Tgt Ion:168 Resp: 155393
Ion Ratio Lower Upper
168 100
99 57.5 53.0 79.6



#3
Chloromethane
Concen: 0.402 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

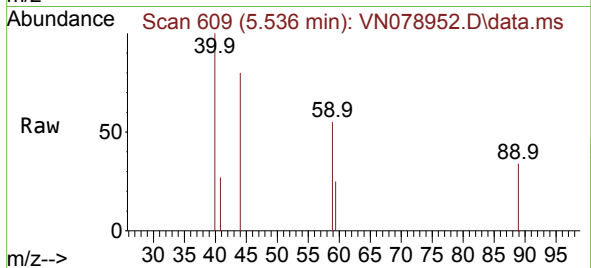
Tgt Ion: 50 Resp: 1211
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



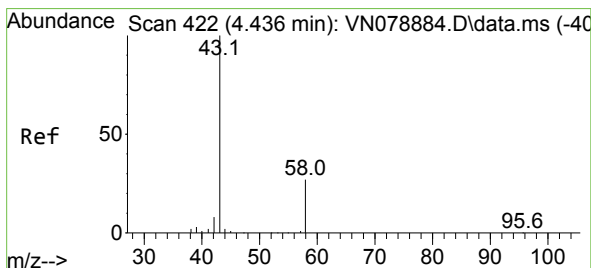
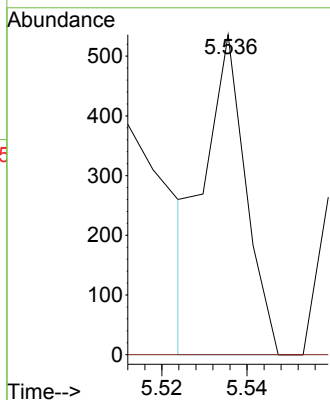
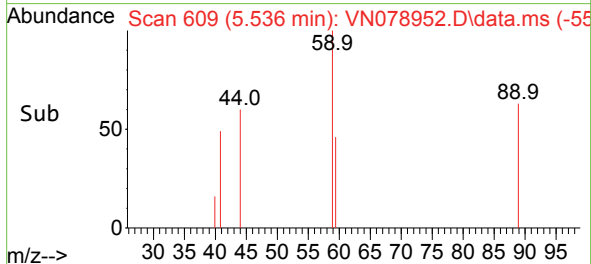


#11
Tert butyl alcohol
Concen: 0.860 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

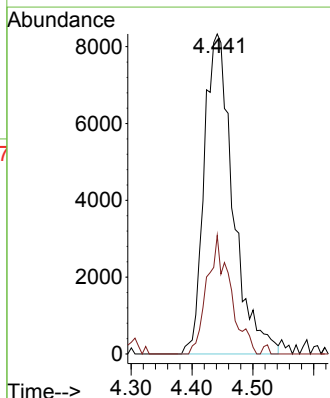
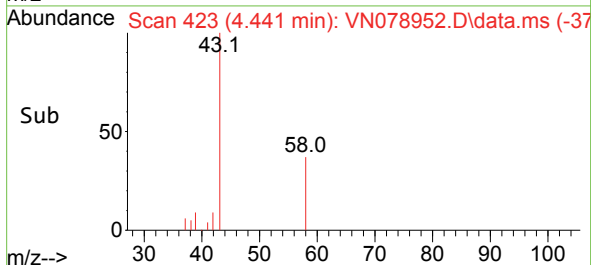
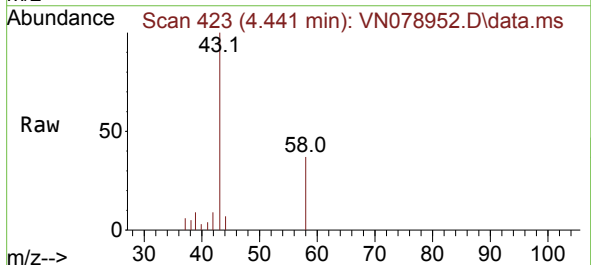


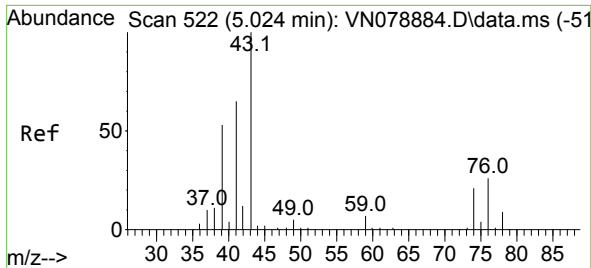
Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 27.432 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.001 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Tgt Ion: 43 Resp: 27370
Ion Ratio Lower Upper
43 100
58 37.0 28.0 42.0

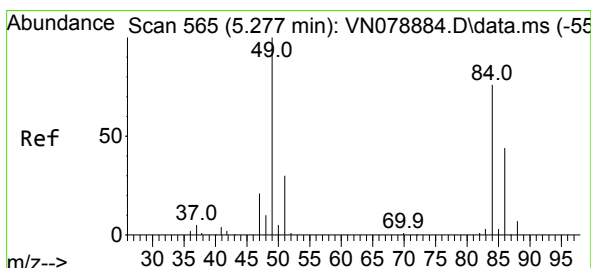
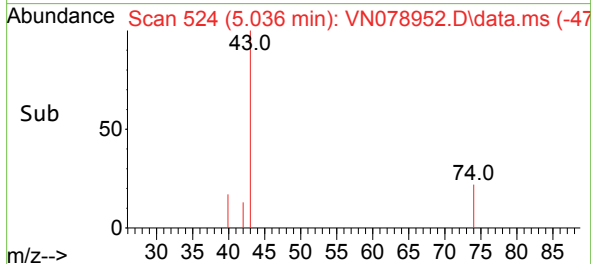
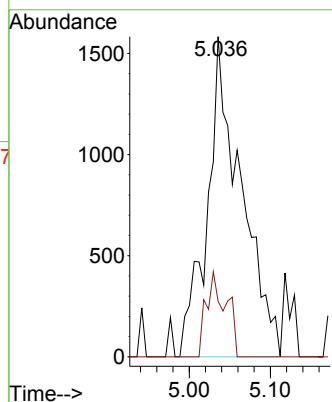
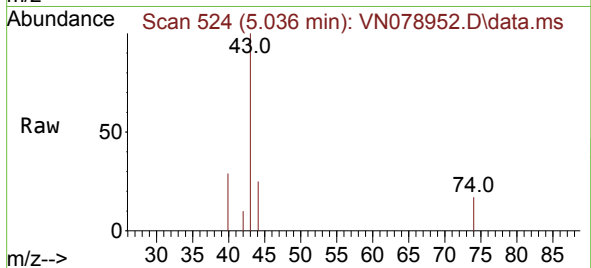




#18
Methyl Acetate
Concen: 1.091 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

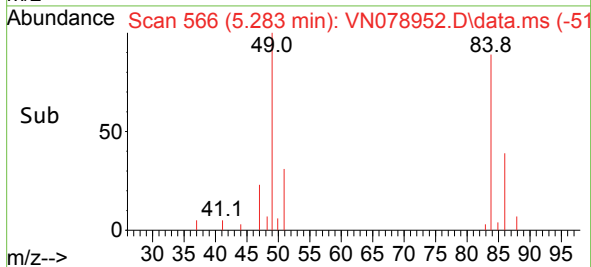
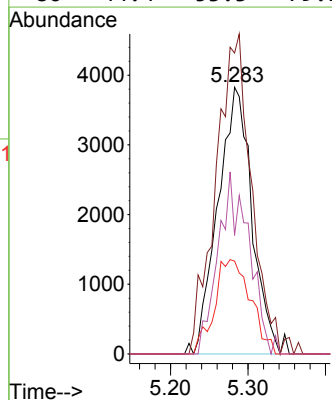
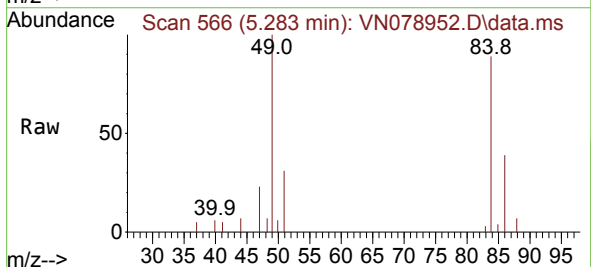
Instrument :
MSVOA_N
ClientSampleId :

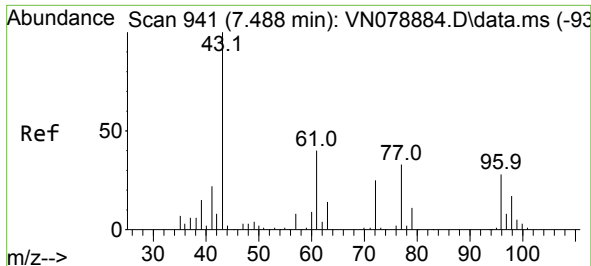
Tgt Ion: 43 Resp: 4600
Ion Ratio Lower Upper
43 100
74 15.4 26.2 39.4#



#20
Methylene Chloride
Concen: 5.471 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Tgt Ion: 84 Resp: 11633
Ion Ratio Lower Upper
84 100
49 112.8 79.7 119.5
51 34.8 25.2 37.8
86 44.4 53.3 79.9#

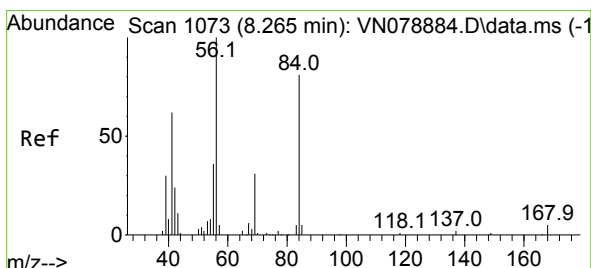
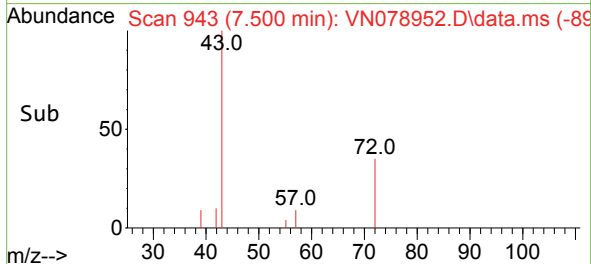
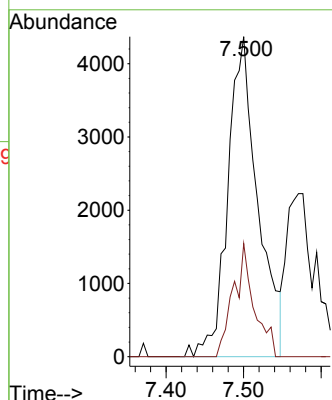
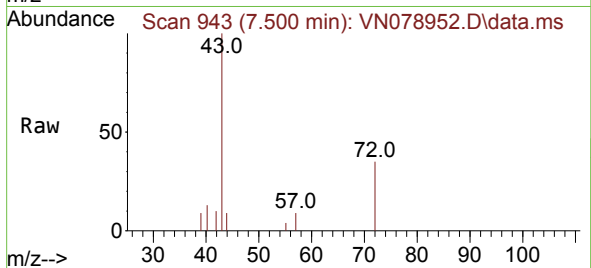




#25
2-Butanone
Concen: 7.384 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

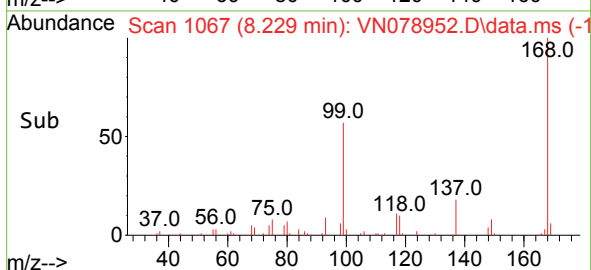
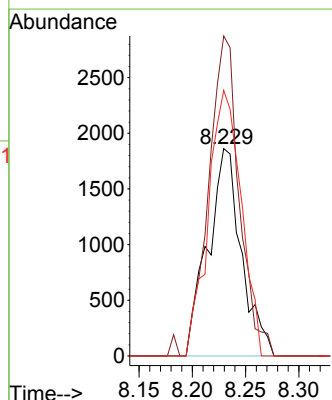
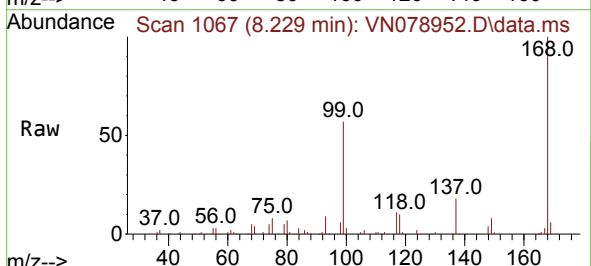
Instrument :
MSVOA_N
ClientSampleId :

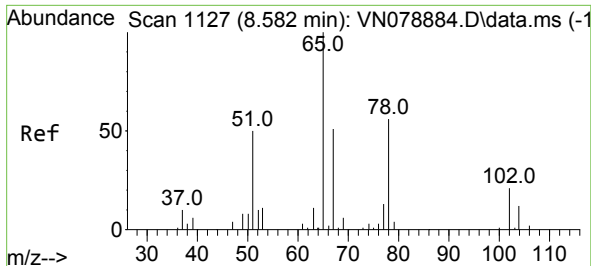
Tgt Ion: 43 Resp: 11811
Ion Ratio Lower Upper
43 100
72 35.3 30.2 45.2



#31
Cyclohexane
Concen: Below Cal
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Tgt Ion: 56 Resp: 4074
Ion Ratio Lower Upper
56 100
69 154.3 26.8 40.2#
84 128.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 50.360 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN078952.D

Acq: 18 Aug 2023 19:12

Instrument :

MSVOA_N

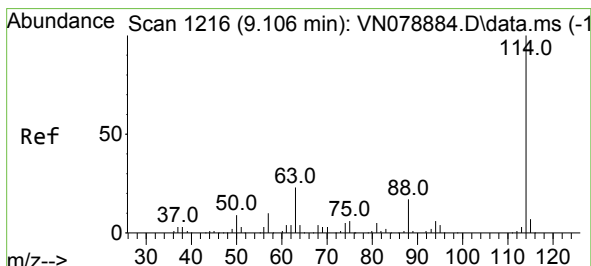
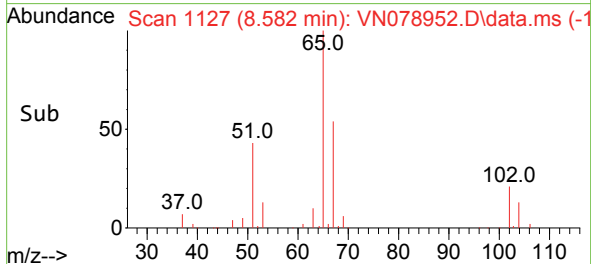
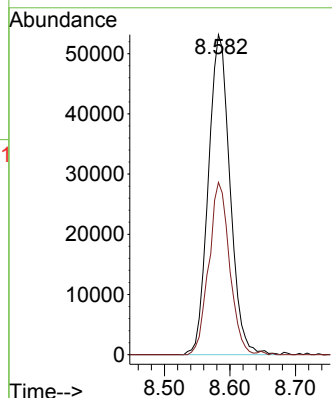
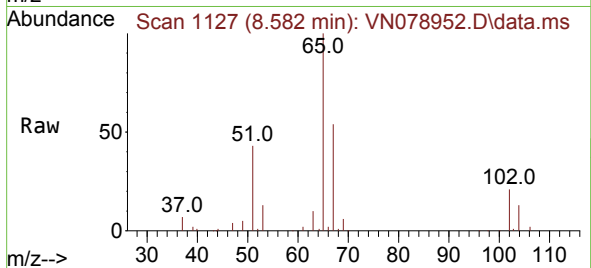
ClientSampleId :

Tgt Ion: 65 Resp: 121774

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078952.D

Acq: 18 Aug 2023 19:12

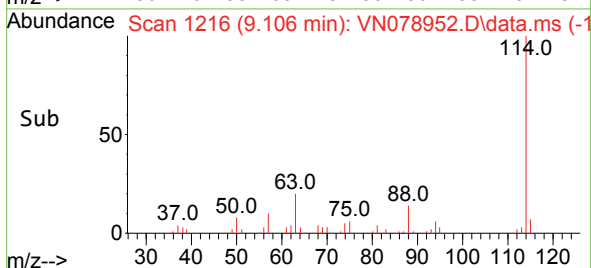
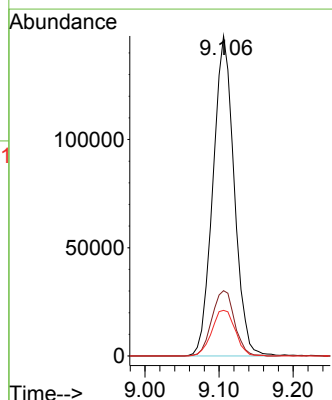
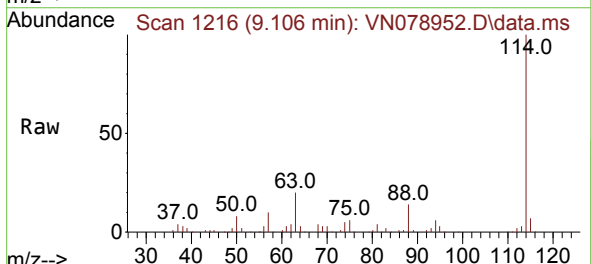
Tgt Ion: 114 Resp: 293964

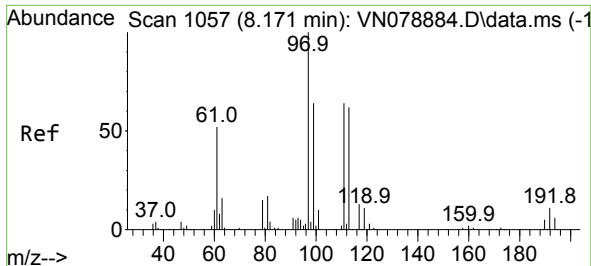
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

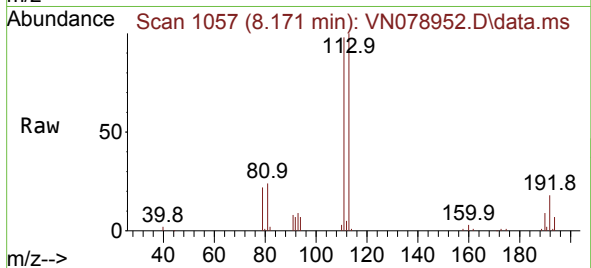
88 14.3 0.0 30.6



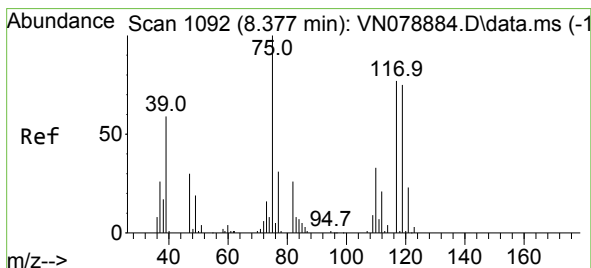
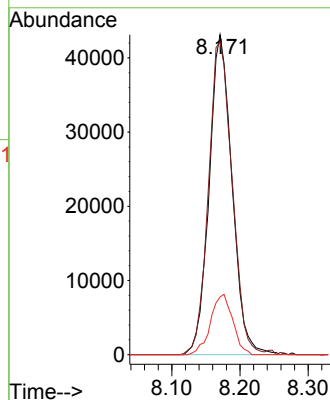
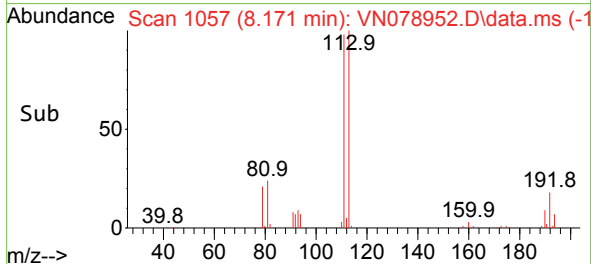


#35
Dibromofluoromethane
Concen: 50.942 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

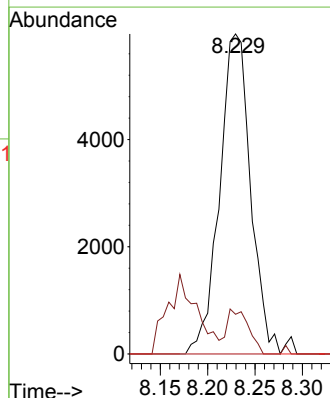
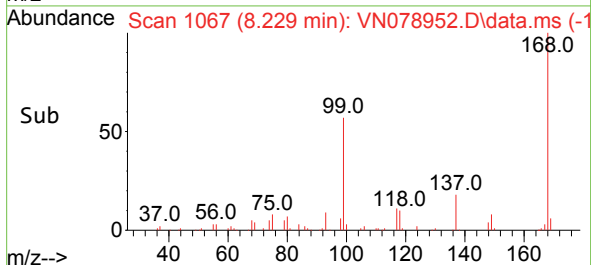
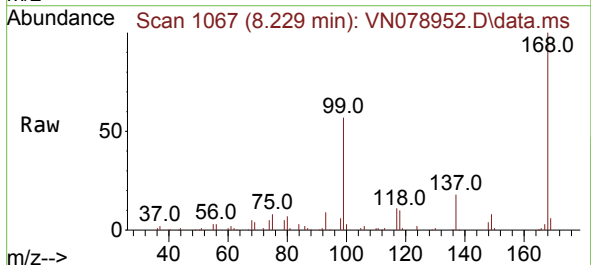


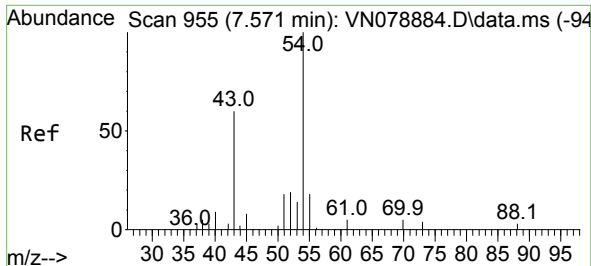
Tgt Ion:113 Resp: 100805
Ion Ratio Lower Upper
113 100
111 101.0 82.6 123.8
192 18.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.564 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Tgt Ion: 75 Resp: 13586
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.706 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

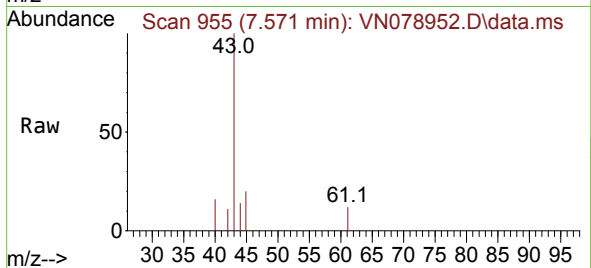
Lab File: VN078952.D

Acq: 18 Aug 2023 19:12

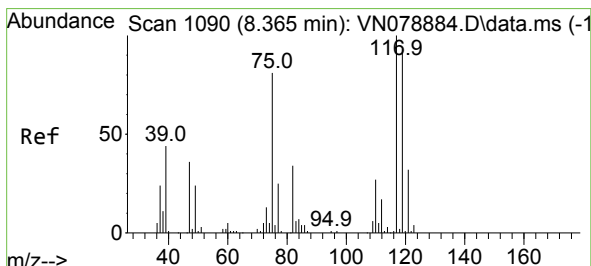
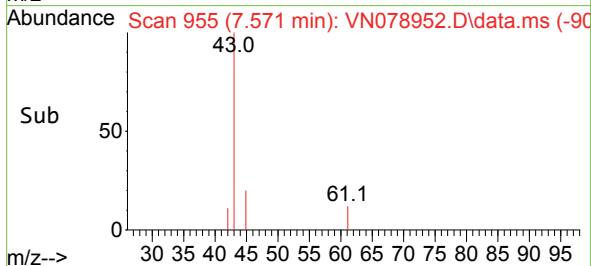
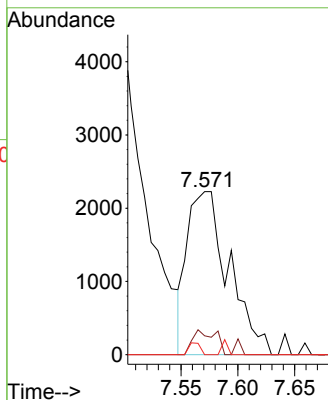
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	5681
Ion	Ratio	Lower	Upper
43	100		
61	8.4	13.2	19.8#
70	2.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.647 ug/l

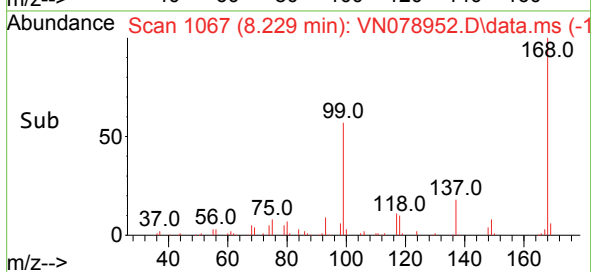
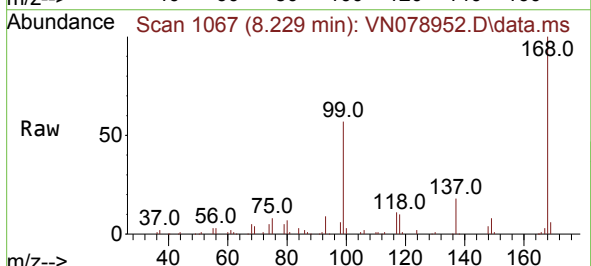
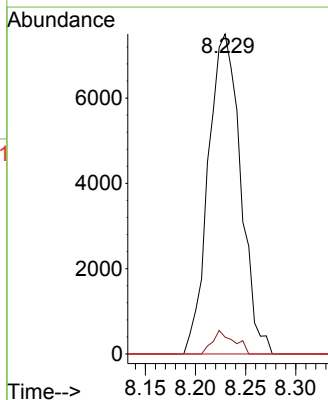
RT: 8.229 min Scan# 1067

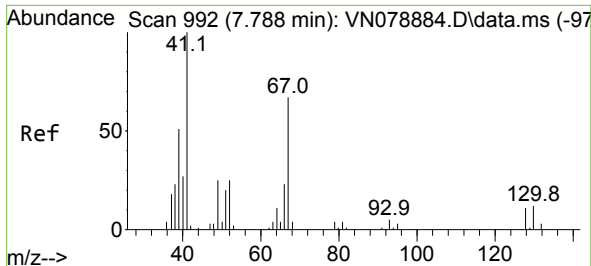
Delta R.T. -0.142 min

Lab File: VN078952.D

Acq: 18 Aug 2023 19:12

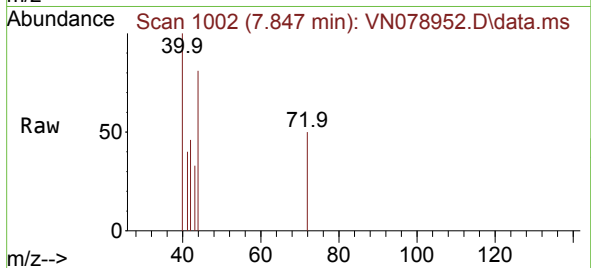
Tgt Ion:	117	Resp:	16842
Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.3	115.9#
121	0.0	23.3	34.9#



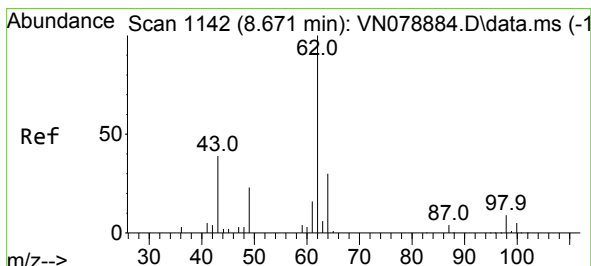
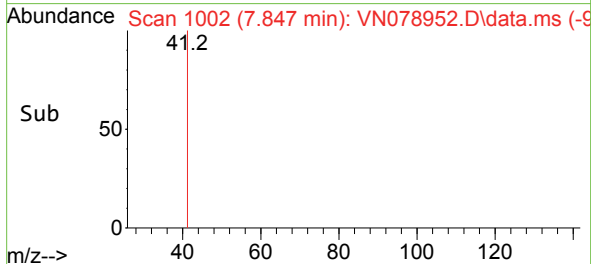
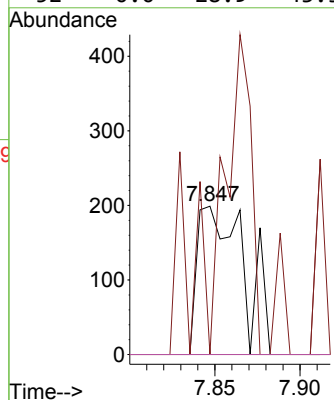


#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.053 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

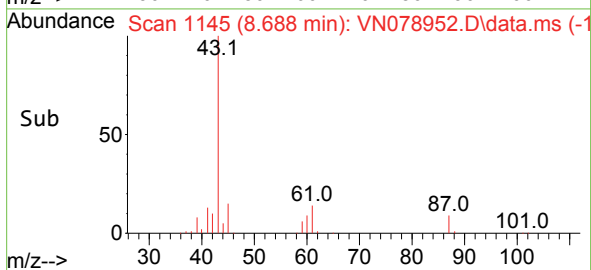
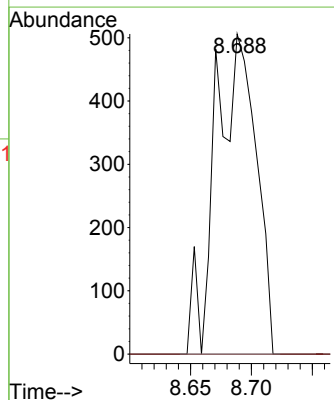
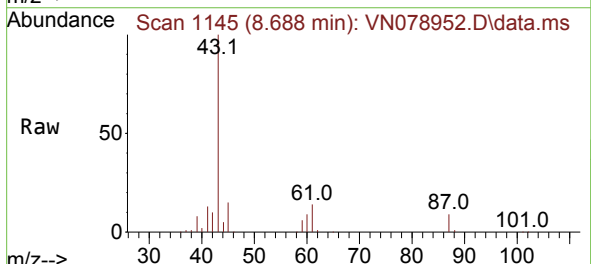


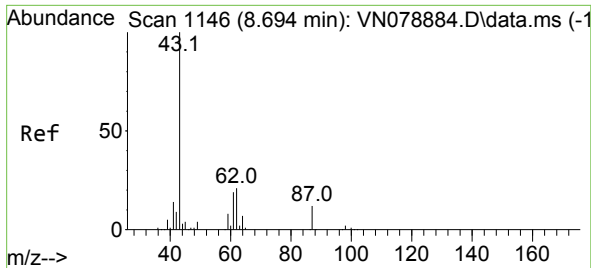
Tgt Ion: 41 Resp: 378
Ion Ratio Lower Upper
41 100
39 115.6 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#



#42
1,2-Dichloroethane
Concen: 0.356 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.011 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

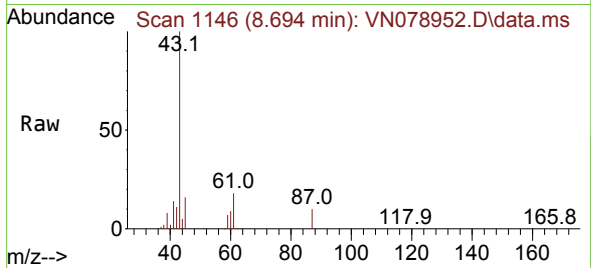
Tgt Ion: 62 Resp: 1170
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



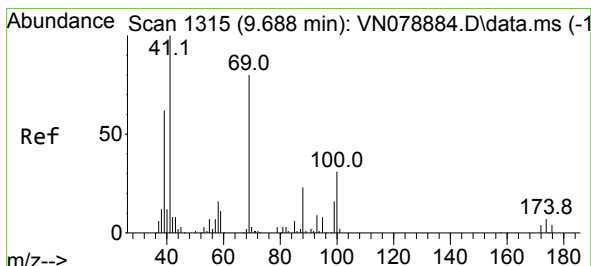
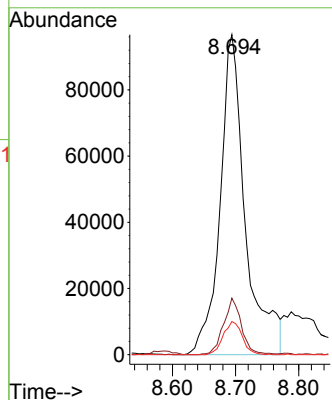
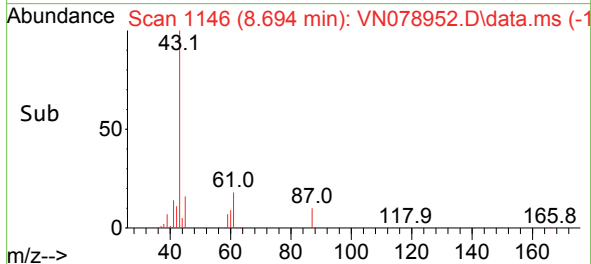


#43
Isopropyl Acetate
Concen: 45.685 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

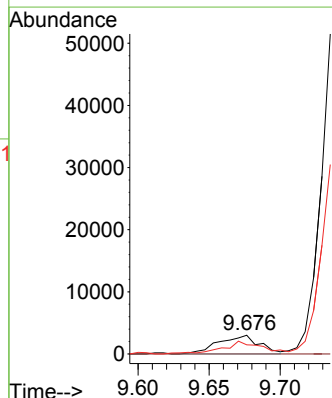
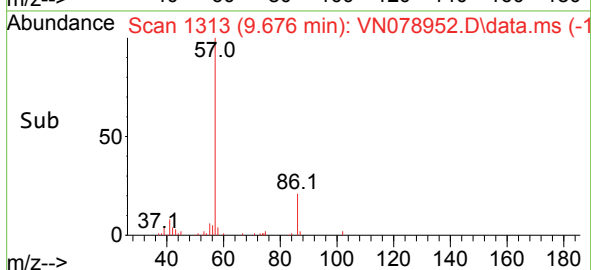
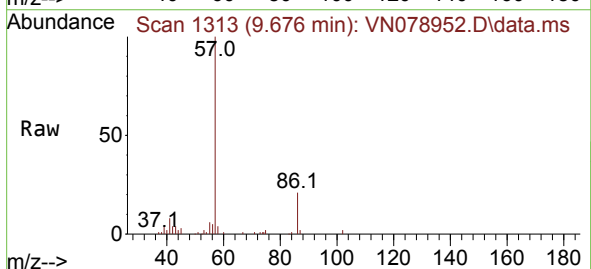


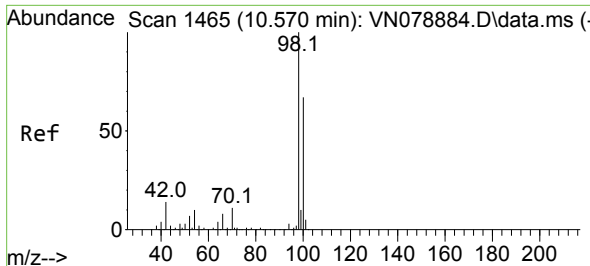
Tgt Ion: 43 Resp: 268926
Ion Ratio Lower Upper
43 100
61 12.6 24.7 37.1#
87 7.8 14.6 21.8#



#48
Methyl methacrylate
Concen: 2.262 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Tgt Ion: 41 Resp: 6035
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 66.3 54.6 81.8

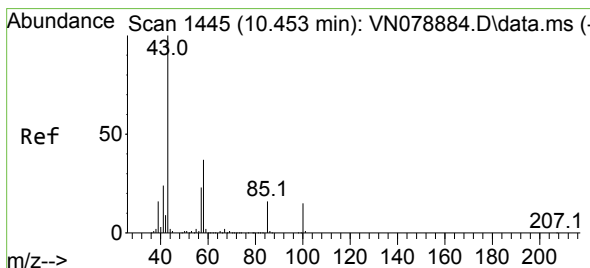
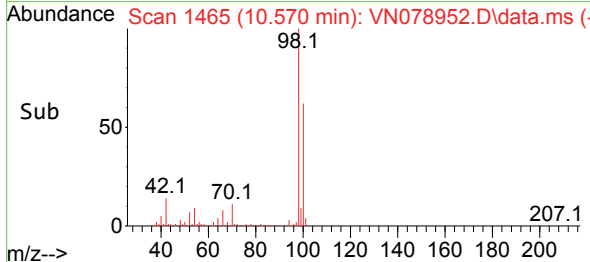
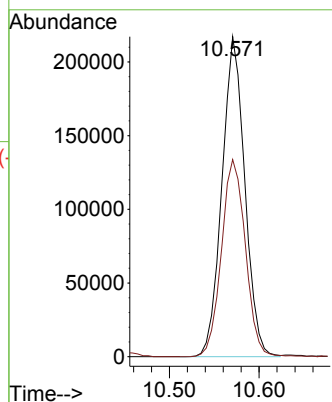
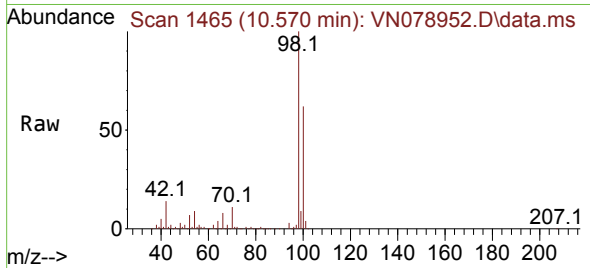




#50
Toluene-d8
Concen: 52.251 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

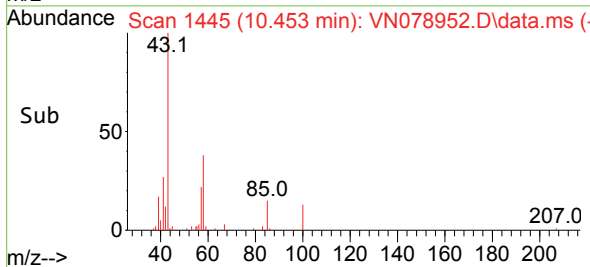
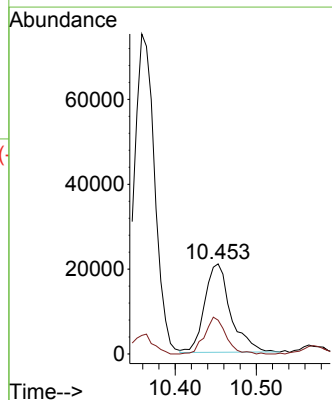
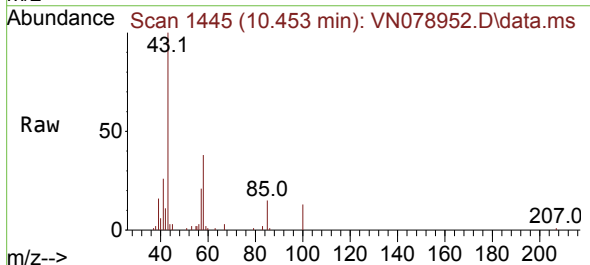
Instrument :
MSVOA_N
ClientSampleId :

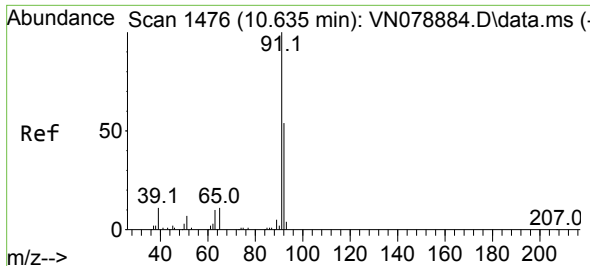
Tgt Ion: 98 Resp: 383914
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 13.286 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Tgt Ion: 43 Resp: 46387
Ion Ratio Lower Upper
43 100
58 34.0 36.6 54.8#

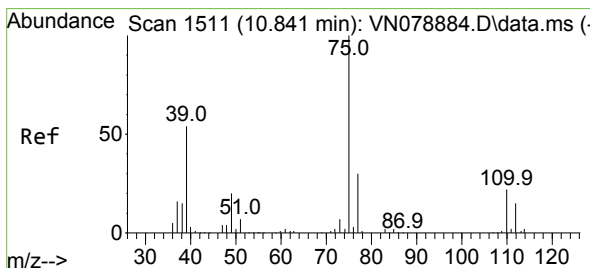
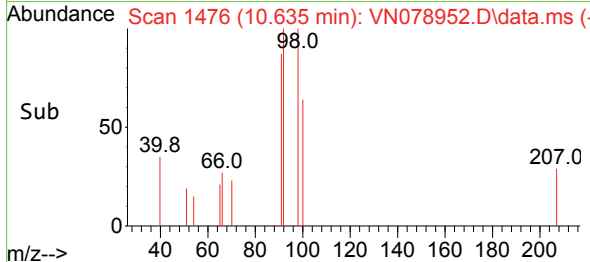
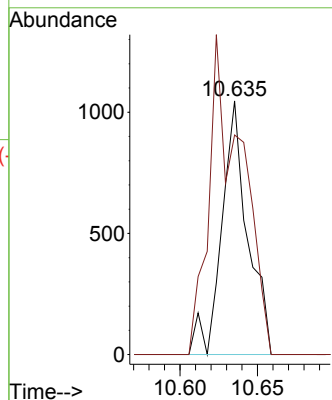
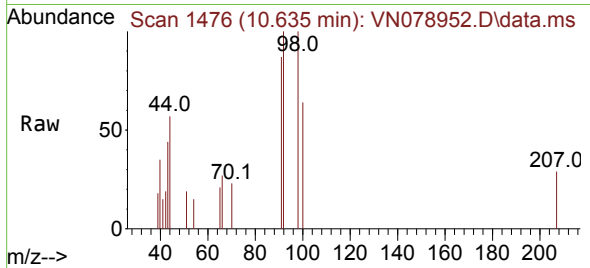




#52
Toluene
Concen: 0.225 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

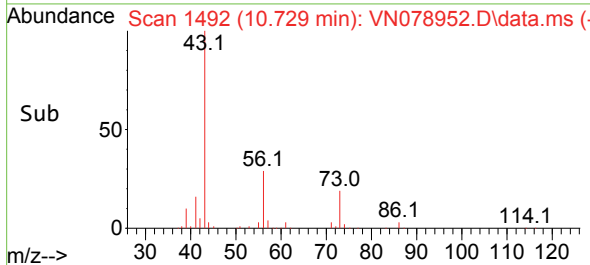
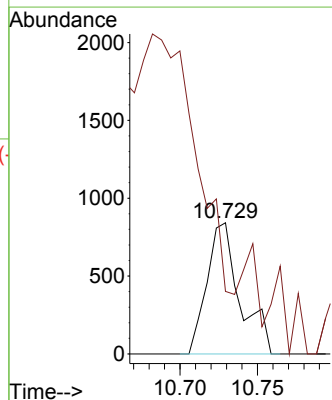
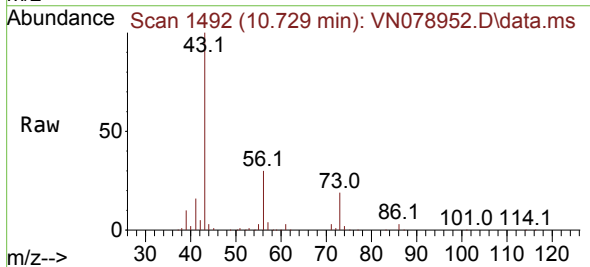
Instrument :
MSVOA_N
ClientSampleId :

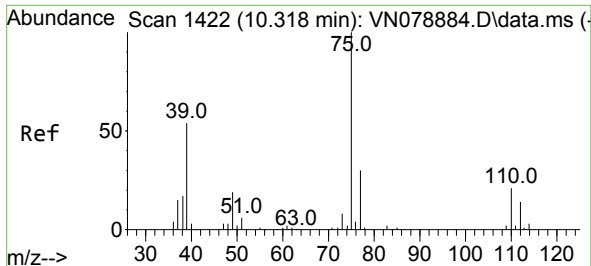
Tgt Ion: 92 Resp: 1217
Ion Ratio Lower Upper
92 100
91 157.5 137.4 206.0



#53
t-1,3-Dichloropropene
Concen: 0.365 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Tgt Ion: 75 Resp: 1243
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

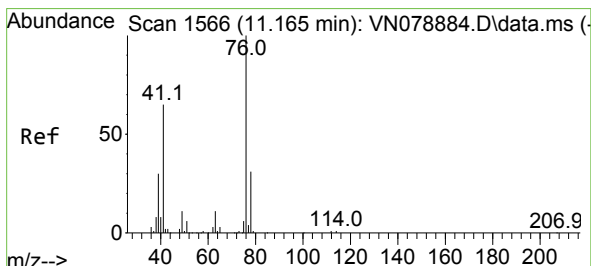
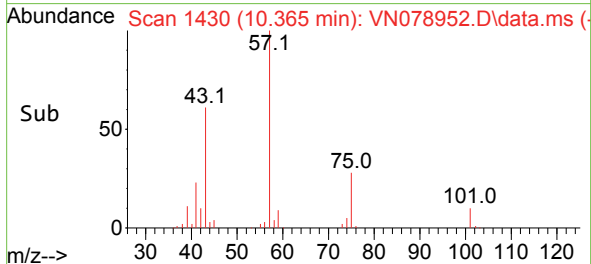
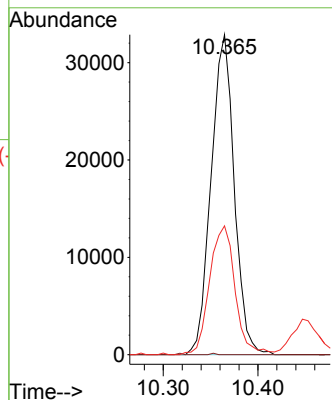
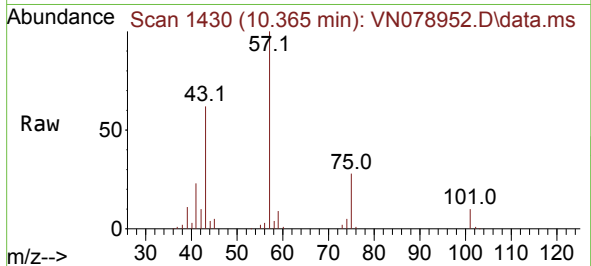




#54
 cis-1,3-Dichloropropene
 Concen: 15.033 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078952.D
 Acq: 18 Aug 2023 19:12

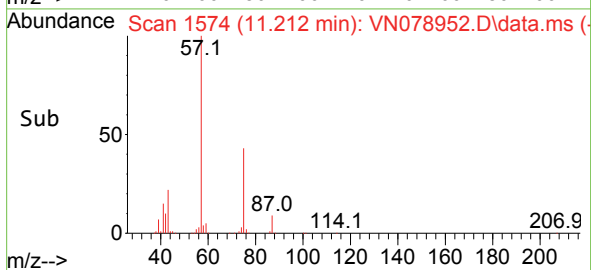
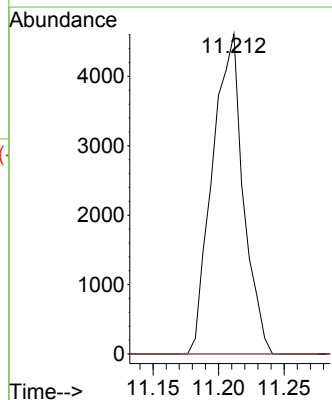
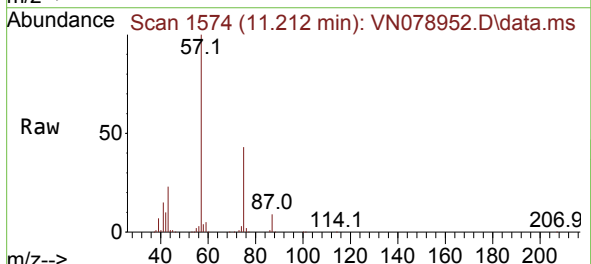
Instrument :
 MSVOA_N
 ClientSampleId :

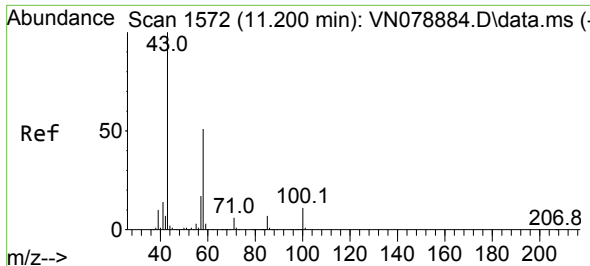
Tgt Ion: 75 Resp: 55704
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 40.3 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.952 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN078952.D
 Acq: 18 Aug 2023 19:12

Tgt Ion: 76 Resp: 7564
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

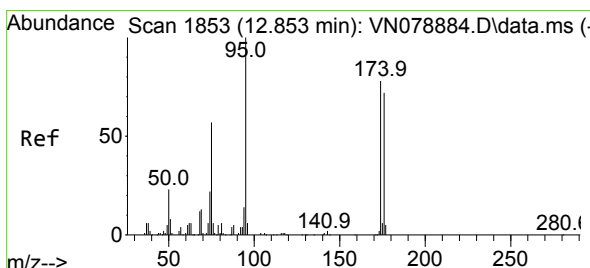
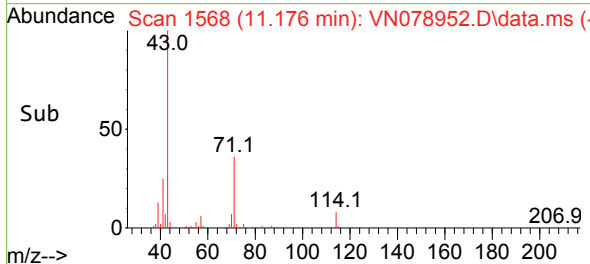
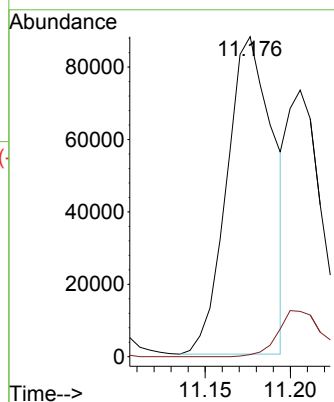
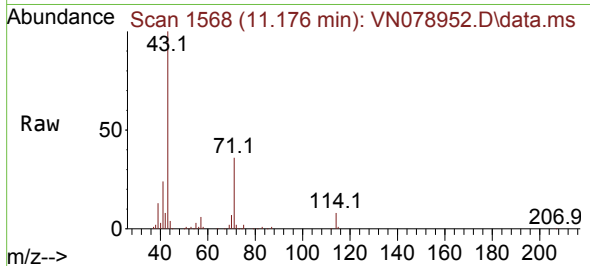




#59
2-Hexanone
Concen: 65.723 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

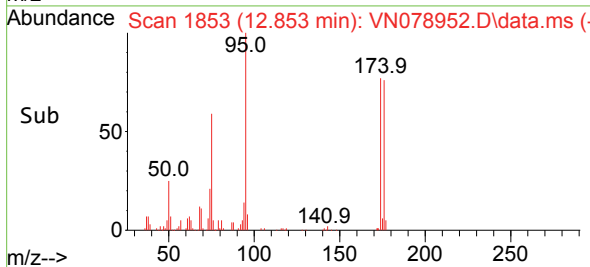
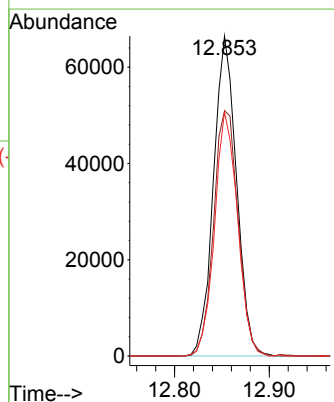
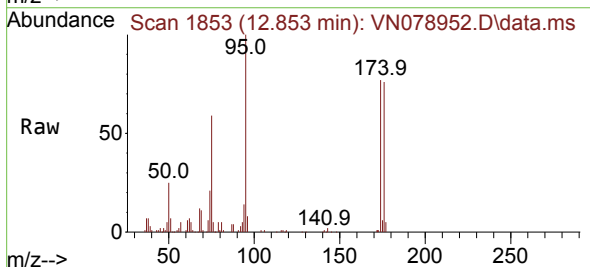
Instrument :
MSVOA_N
ClientSampleId :

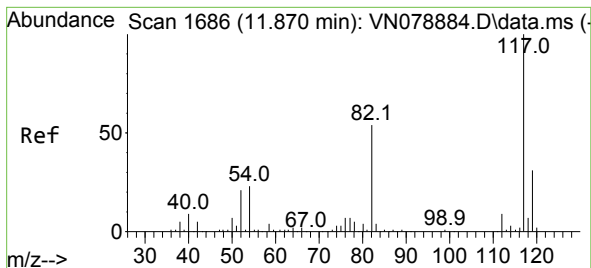
Tgt Ion: 43 Resp: 166197
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.816 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Tgt Ion: 95 Resp: 112434
Ion Ratio Lower Upper
95 100
174 81.6 0.0 143.8
176 76.3 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078952.D

Acq: 18 Aug 2023 19:12

Instrument :

MSVOA_N

ClientSampleId :

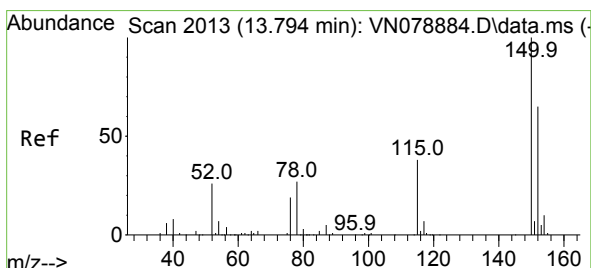
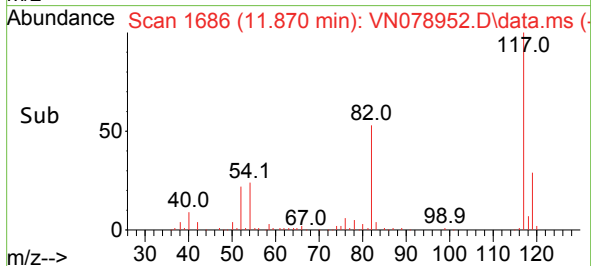
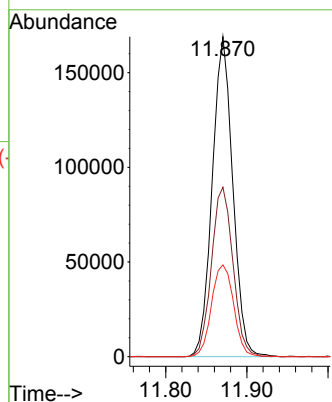
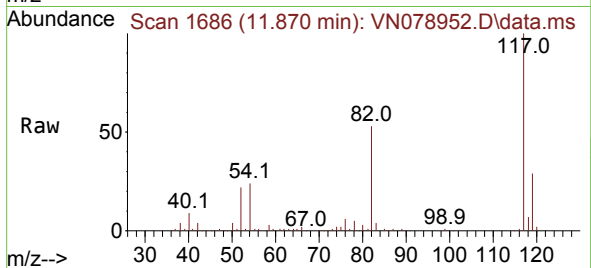
Tgt Ion:117 Resp: 296731

Ion Ratio Lower Upper

117 100

82 52.9 44.0 66.0

119 28.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN078952.D

Acq: 18 Aug 2023 19:12

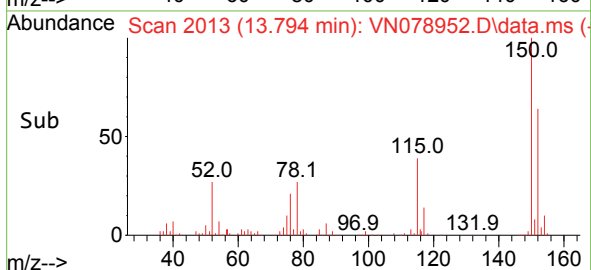
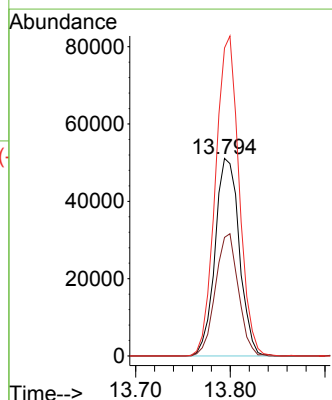
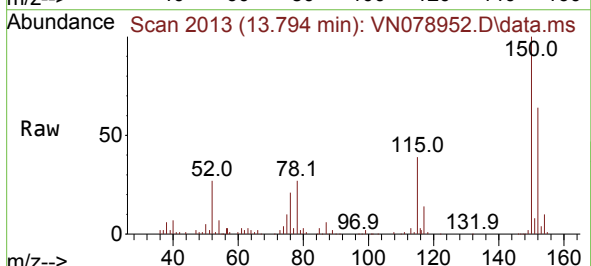
Tgt Ion:152 Resp: 90882

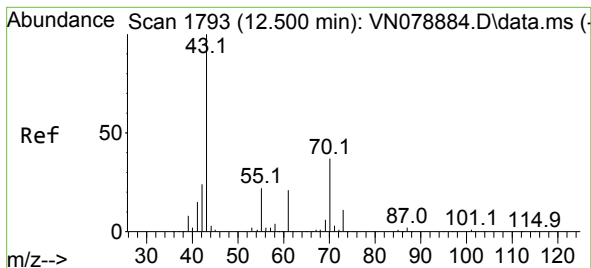
Ion Ratio Lower Upper

152 100

115 58.7 32.3 96.8

150 157.4 0.0 355.8





#74

N-amy1 acetate

Concen: 0.403 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

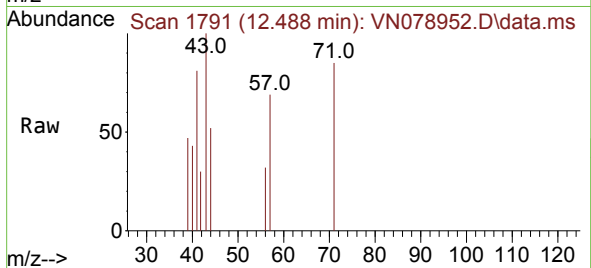
Lab File: VN078952.D

Acq: 18 Aug 2023 19:12

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1541

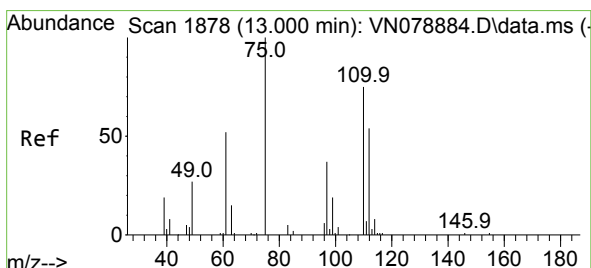
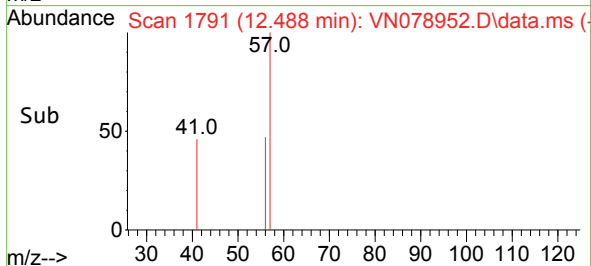
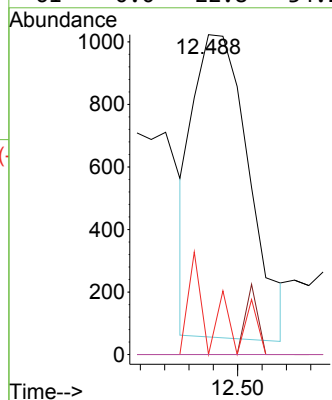
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 16.2 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 29.609 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078952.D

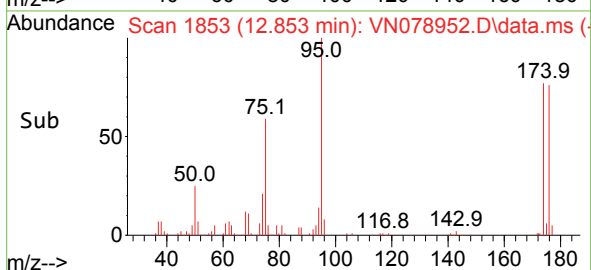
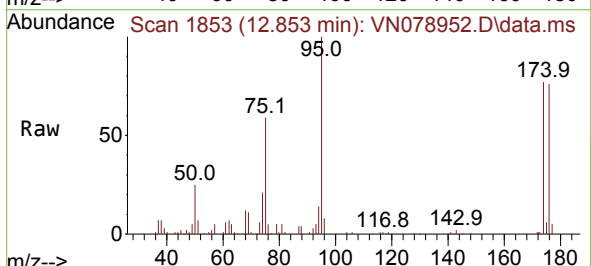
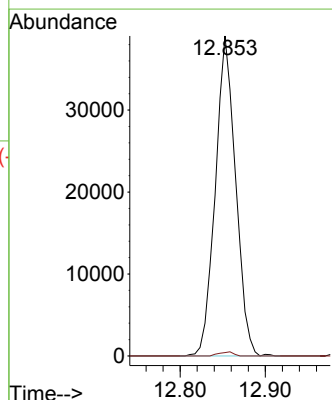
Acq: 18 Aug 2023 19:12

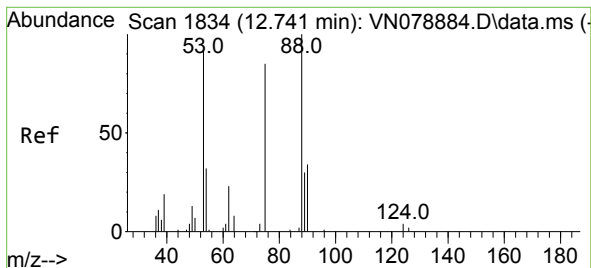
Tgt Ion: 75 Resp: 64838

Ion Ratio Lower Upper

75 100

77 0.9 84.5 253.5#

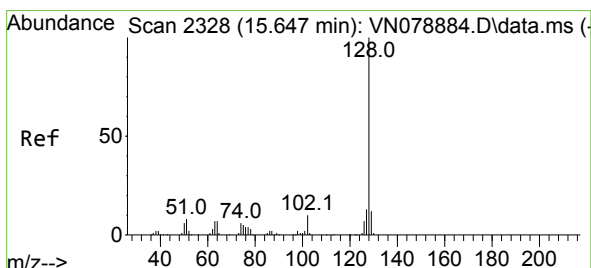
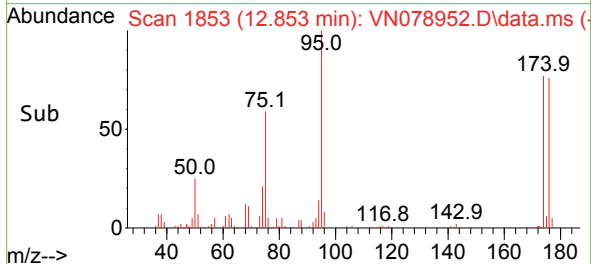
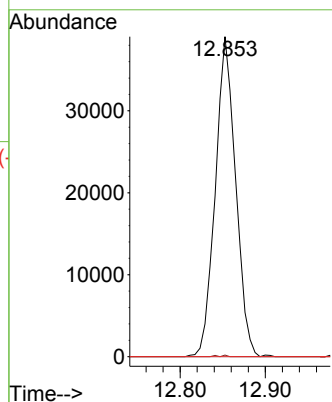
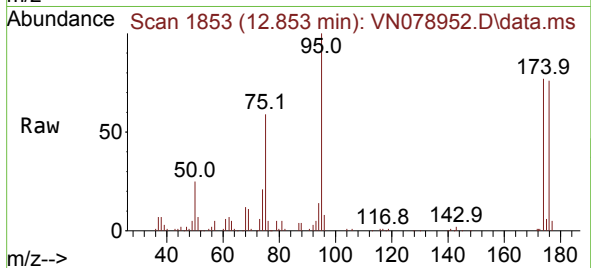




#81
trans-1,4-Dichloro-2-butene
Concen: 75.638 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 64838
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.607 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.012 min
Lab File: VN078952.D
Acq: 18 Aug 2023 19:12

Tgt Ion:128 Resp: 143
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

