

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082123\
 Data File : VN078974.D
 Acq On : 21 Aug 2023 14:56
 Operator : JC\MD
 Sample : 04082-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 00:57:36 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)

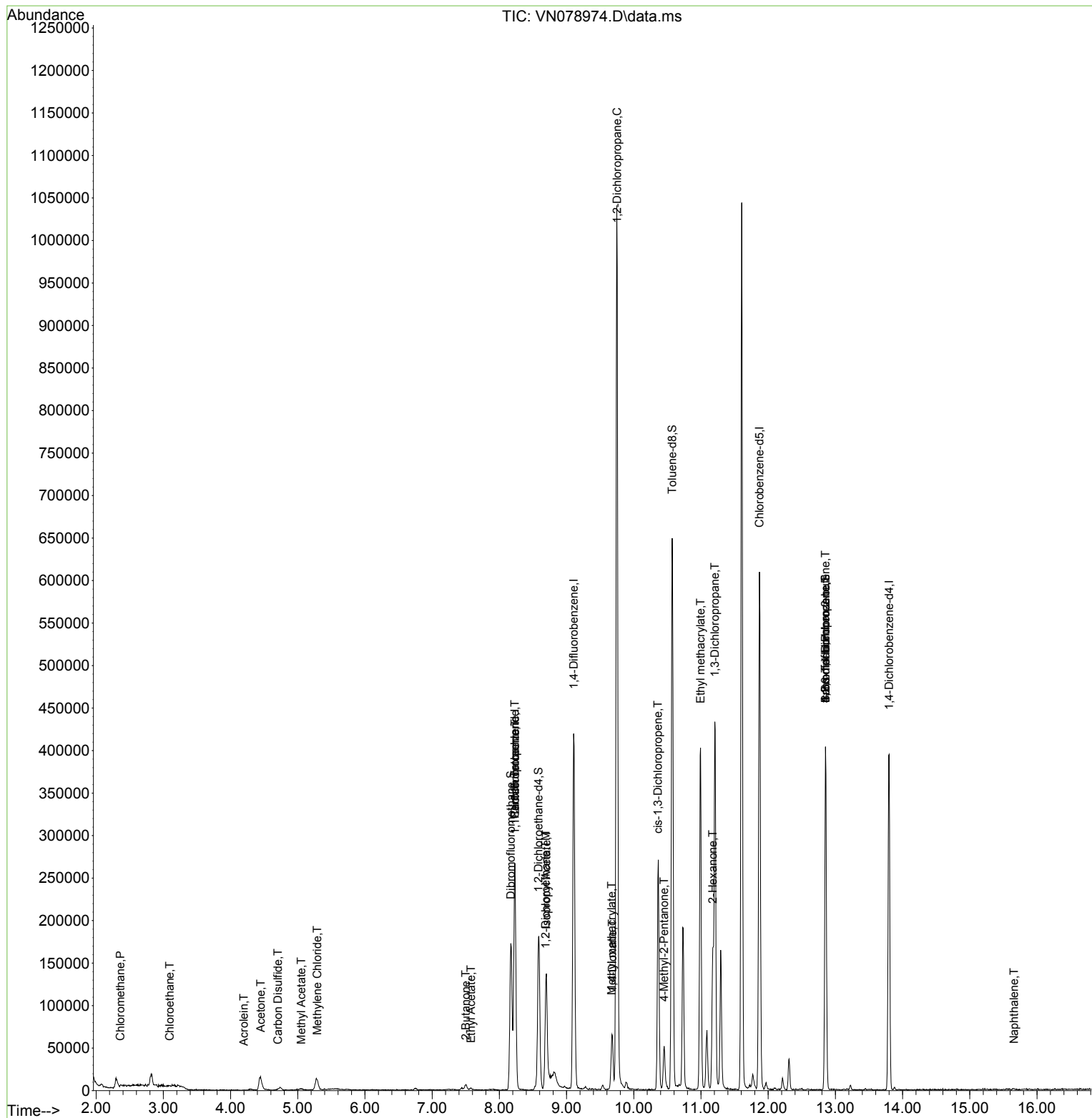
Internal Standards						
1) Pentafluorobenzene	8.230	168	188304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	352957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	338044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	104797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	147961	50.496	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.000%			
35) Dibromofluoromethane	8.171	113	122295	51.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.940%			
50) Toluene-d8	10.571	98	440969	49.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.853	95	130041	45.097	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.200%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1015	0.278	ug/l #	42
6) Chloroethane	3.095	64	657	0.294	ug/l #	43
13) Acrolein	4.200	56	57	7.025	ug/l #	16
16) Acetone	4.448	43	29819	24.664	ug/l	92
17) Carbon Disulfide	4.706	76	1849	0.327	ug/l #	75
18) Methyl Acetate	5.053	43	1523	0.298	ug/l #	76
20) Methylene Chloride	5.289	84	9462	3.672	ug/l	90
25) 2-Butanone	7.500	43	9938	5.127	ug/l	88
31) Cyclohexane	8.230	56	5842	Below Cal	#	59
36) 1,1-Dichloropropene	8.236	75	16354	4.576	ug/l #	48
37) Ethyl Acetate	7.577	43	4155	1.039	ug/l #	80
38) Carbon Tetrachloride	8.230	117	20266	5.659	ug/l #	14
42) 1,2-Dichloroethane	8.688	62	795	0.201	ug/l #	73
43) Isopropyl Acetate	8.700	43	169947	24.045	ug/l #	74
45) 1,2-Dichloropropane	9.753	63	1361	0.484	ug/l #	45
48) Methyl methacrylate	9.671	41	4637	1.448	ug/l #	28
49) 1,4-Dioxane	9.682	88	140	2.566	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	40182	9.586	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	44984	10.111	ug/l #	74
56) Ethyl methacrylate	10.994	69	2169	0.538	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4577	0.984	ug/l #	42
59) 2-Hexanone	11.176	43	194777	64.151	ug/l #	19
71) Bromoform	12.853	173	788	0.399	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	73548	29.127	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73548	74.406	ug/l #	15
95) Naphthalene	15.659	128	1207	2.812	ug/l #	70

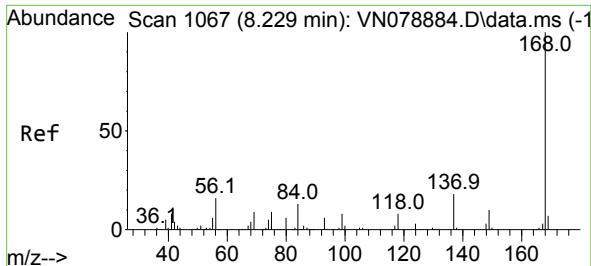
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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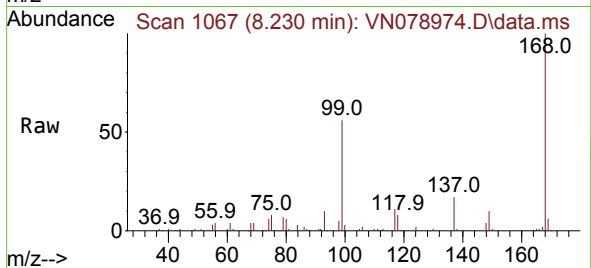
Quant Time: Aug 22 00:57:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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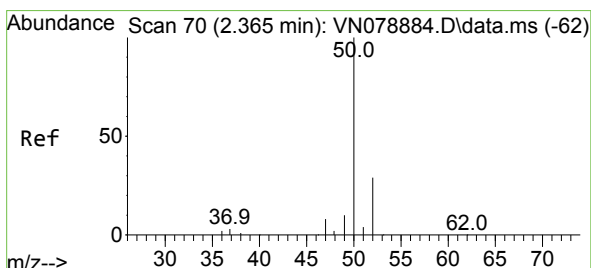
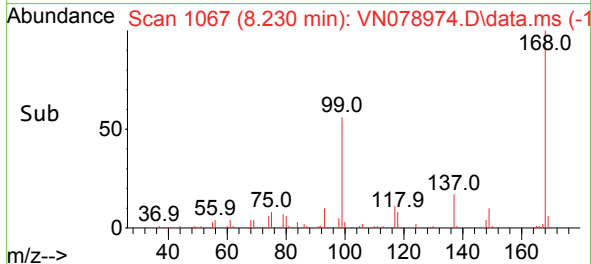
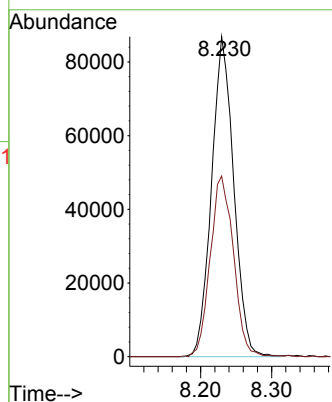


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :

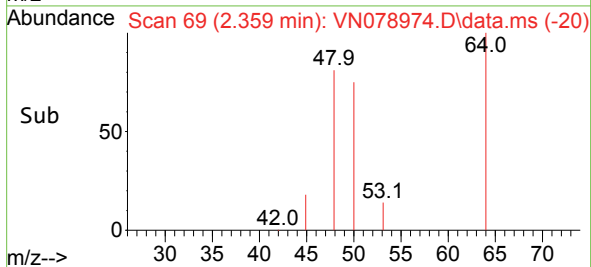
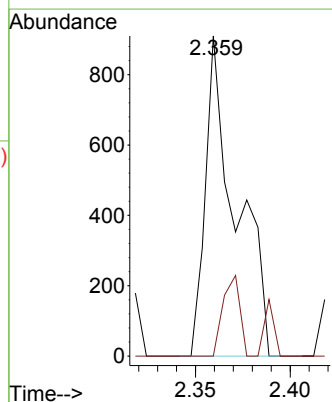
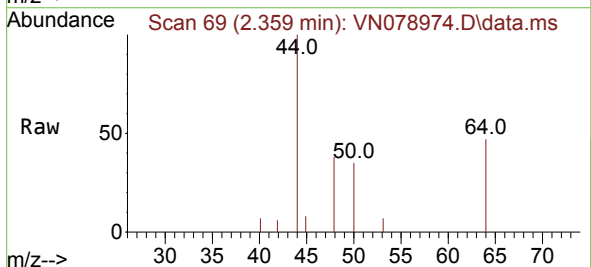


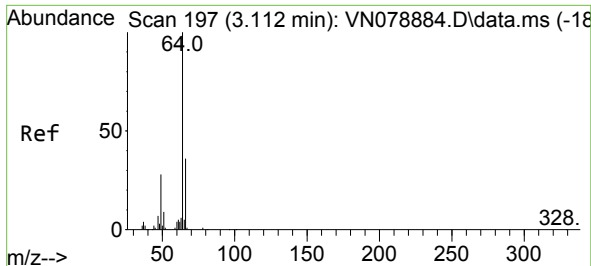
Tgt Ion:168 Resp: 188304
Ion Ratio Lower Upper
168 100
99 56.5 53.0 79.6



#3
Chloromethane
Concen: 0.278 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.012 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Tgt Ion: 50 Resp: 1015
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

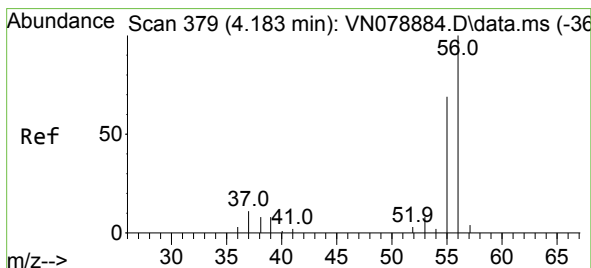
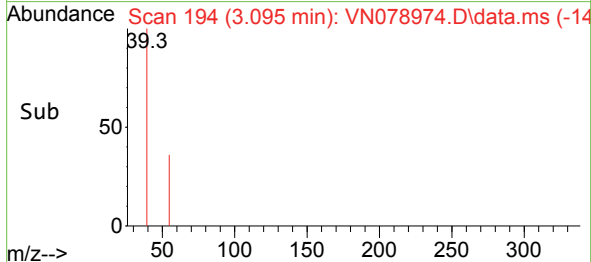
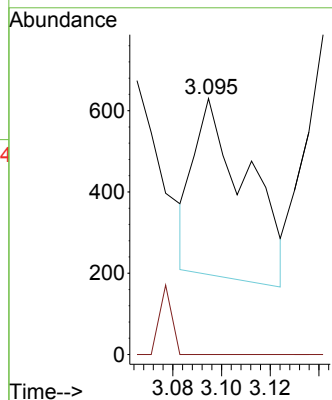
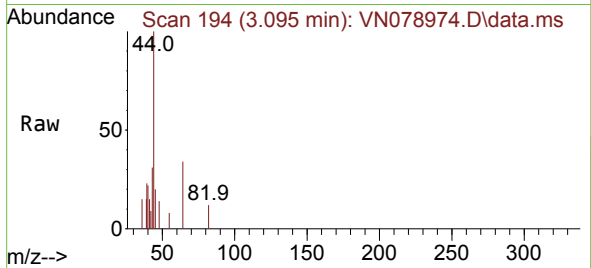




#6
Chloroethane
Concen: 0.294 ug/l
RT: 3.095 min Scan# 197
Delta R.T. -0.023 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

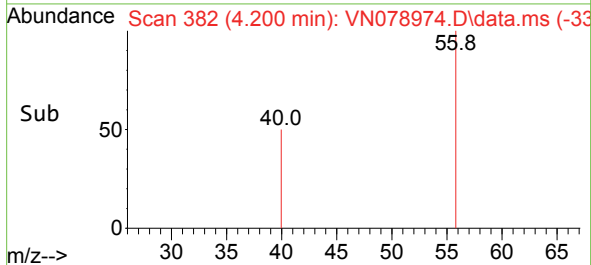
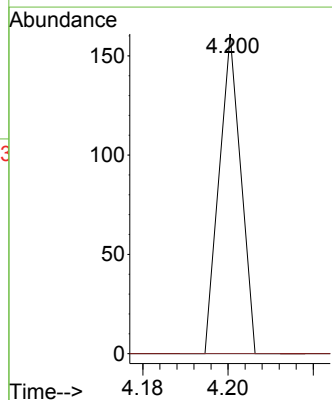
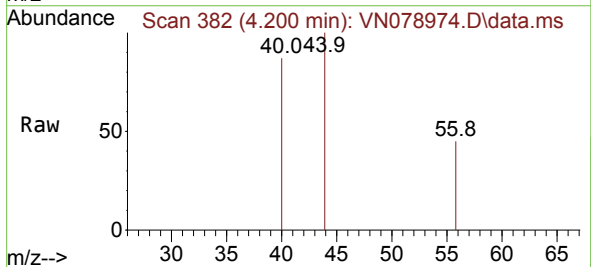
Instrument :
MSVOA_N
ClientSampleId :

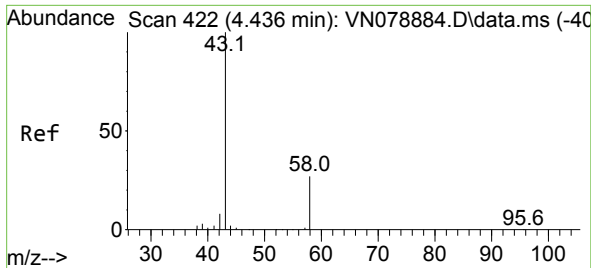
Tgt Ion: 64 Resp: 657
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 7.025 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.005 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

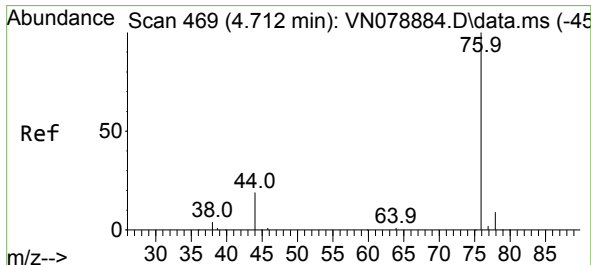
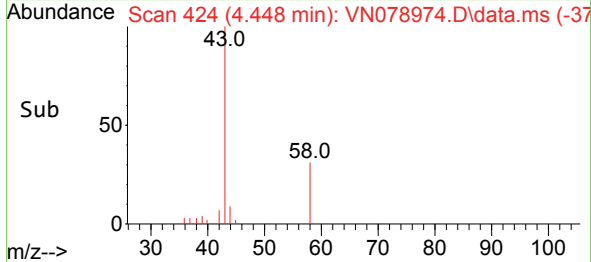
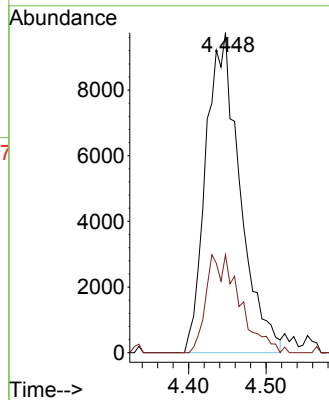
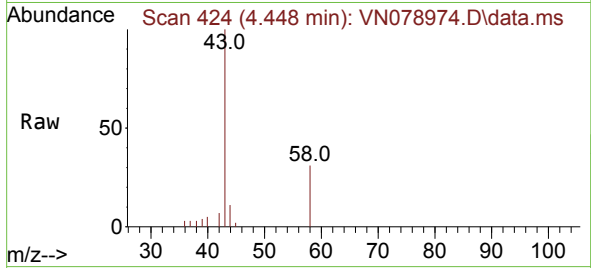




#16
Acetone
Concen: 24.664 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

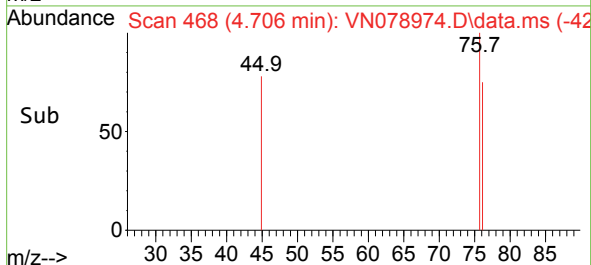
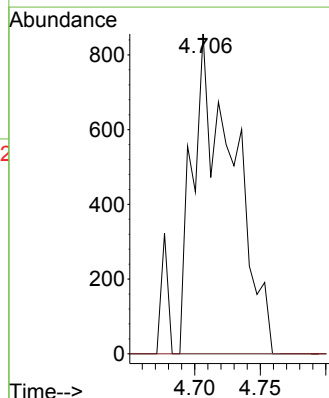
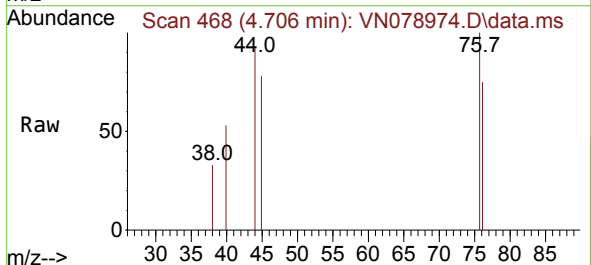
Instrument :
MSVOA_N
ClientSampleId :

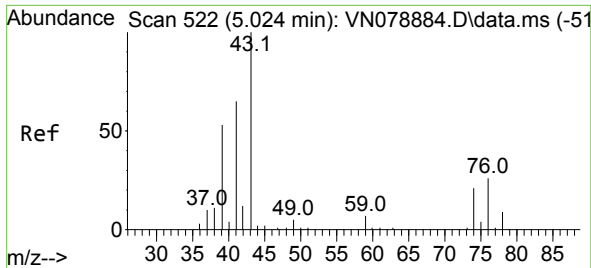
Tgt Ion: 43 Resp: 29819
Ion Ratio Lower Upper
43 100
58 30.6 28.0 42.0



#17
Carbon Disulfide
Concen: 0.327 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.018 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Tgt Ion: 76 Resp: 1849
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

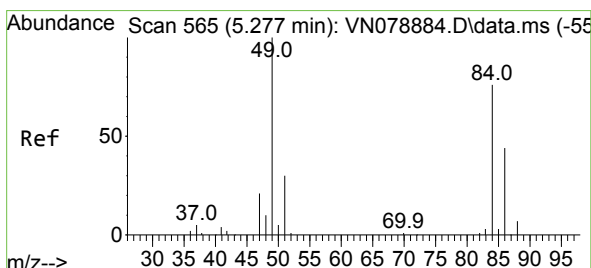
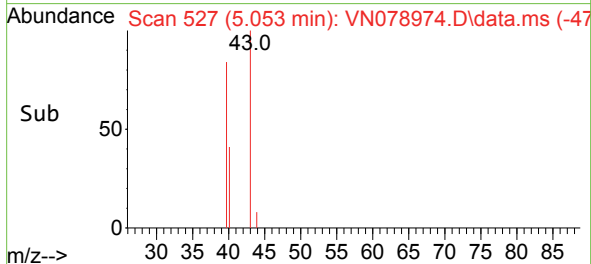
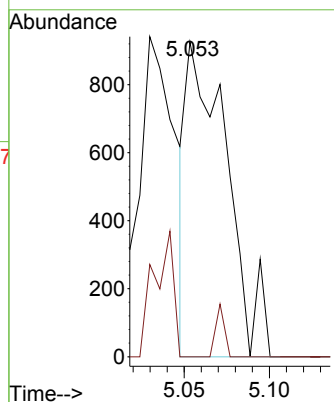
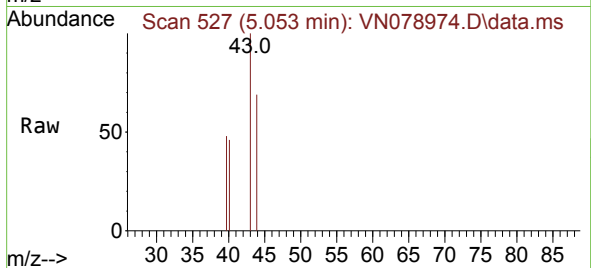




#18
Methyl Acetate
Concen: 0.298 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

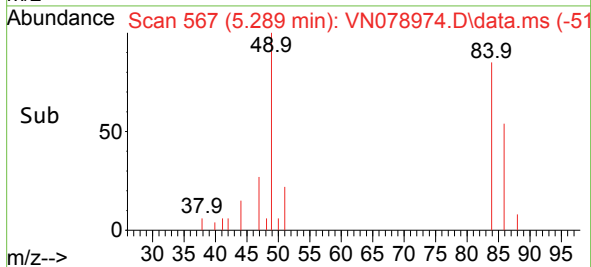
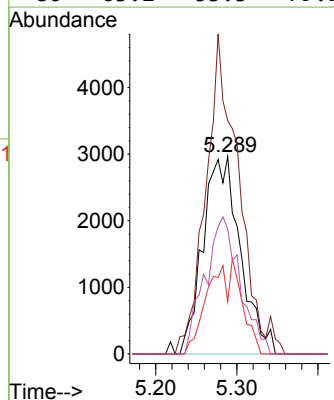
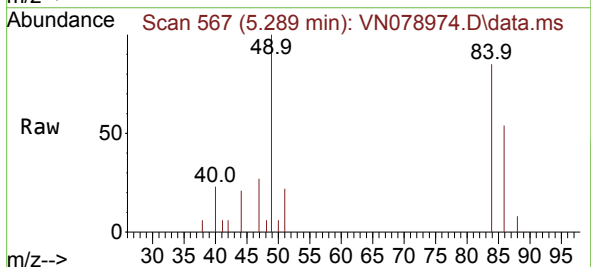
Instrument :
MSVOA_N
ClientSampleId :

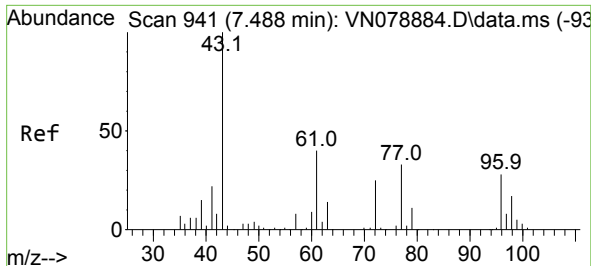
Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
74 19.4 26.2 39.4#



#20
Methylene Chloride
Concen: 3.672 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Tgt Ion: 84 Resp: 9462
Ion Ratio Lower Upper
84 100
49 112.8 79.7 119.5
51 26.5 25.2 37.8
86 63.2 53.3 79.9

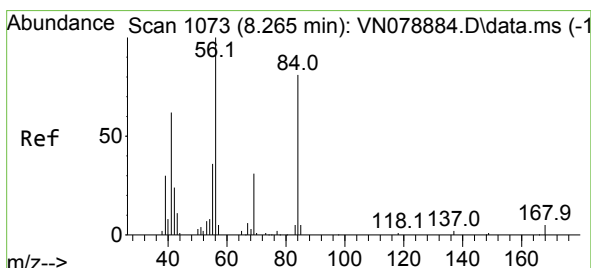
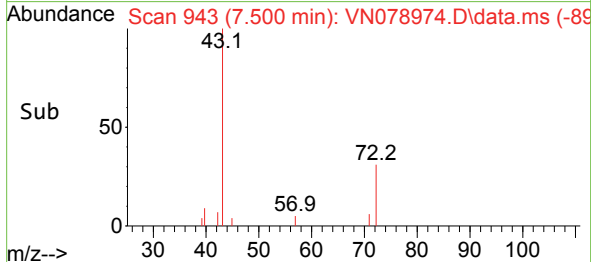
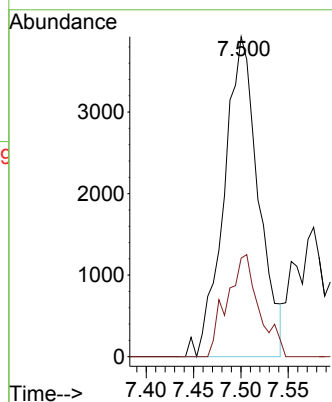
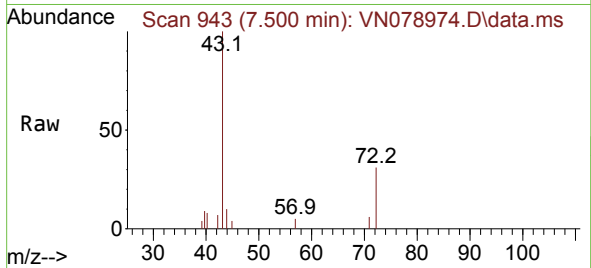




#25
2-Butanone
Concen: 5.127 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

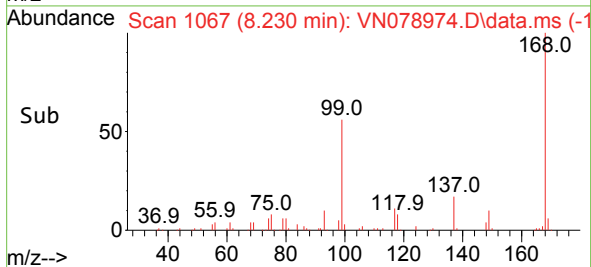
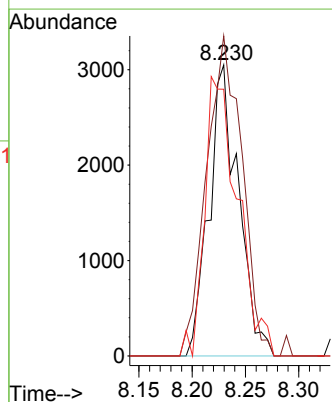
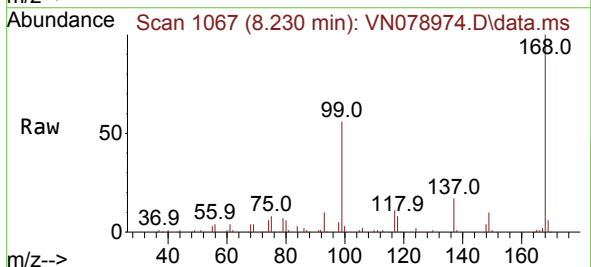
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MSVOA_N
ClientSampleId :

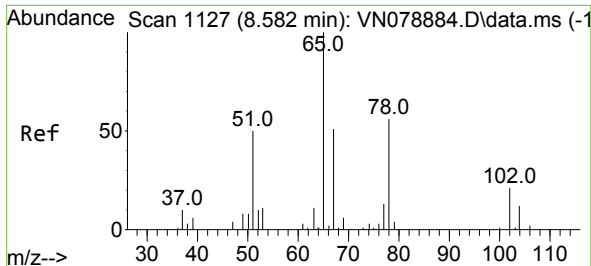
Tgt Ion: 43 Resp: 9938
Ion Ratio Lower Upper
43 100
72 30.8 30.2 45.2



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Tgt Ion: 56 Resp: 5842
Ion Ratio Lower Upper
56 100
69 110.0 26.8 40.2#
84 91.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 50.496 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078974.D

Acq: 21 Aug 2023 14:56

Instrument :

MSVOA_N

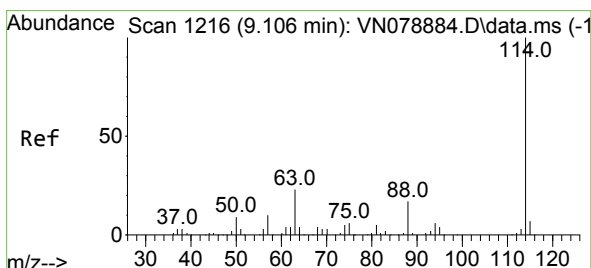
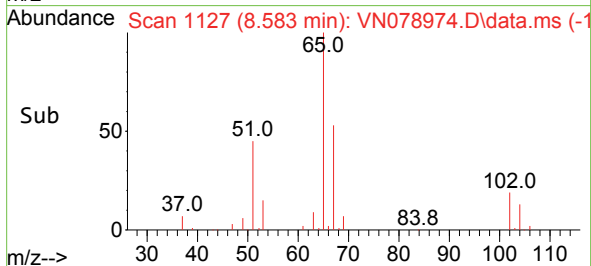
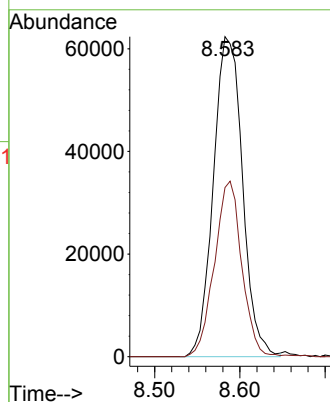
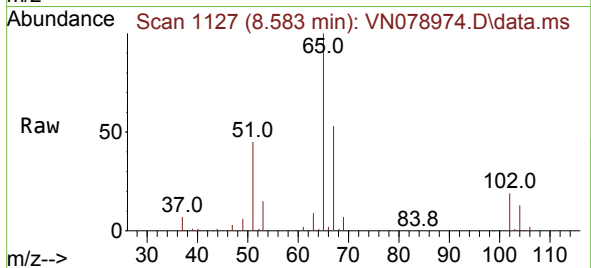
ClientSampleId :

Tgt Ion: 65 Resp: 147961

Ion Ratio Lower Upper

65 100

67 51.8 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: VN078974.D

Acq: 21 Aug 2023 14:56

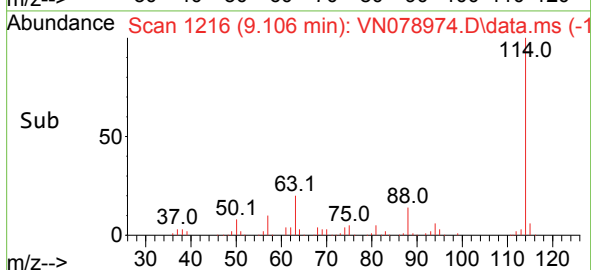
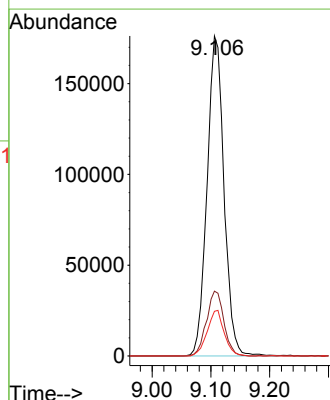
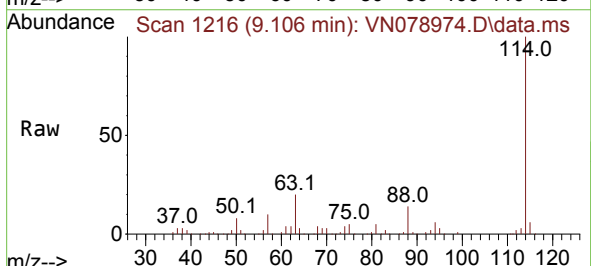
Tgt Ion: 114 Resp: 352957

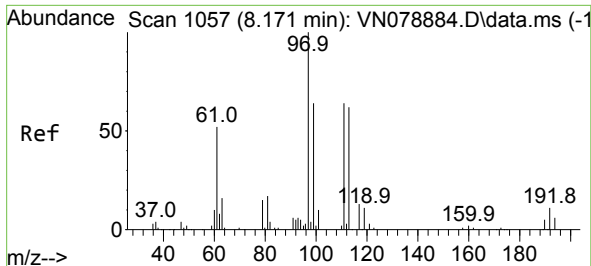
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

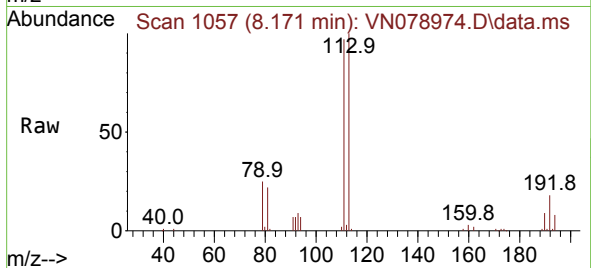
88 13.9 0.0 30.6



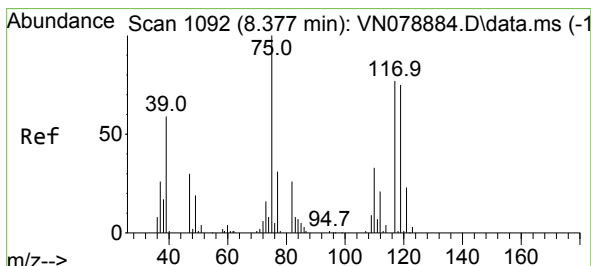
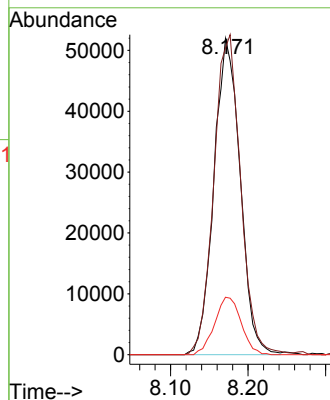
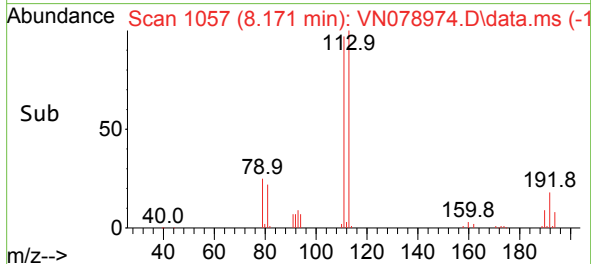


#35
Dibromofluoromethane
Concen: 51.473 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :

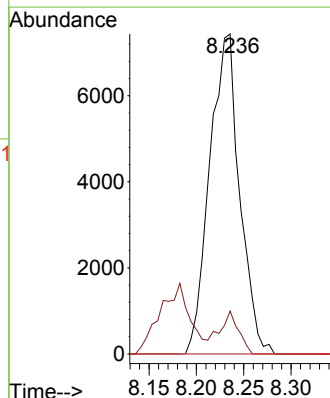
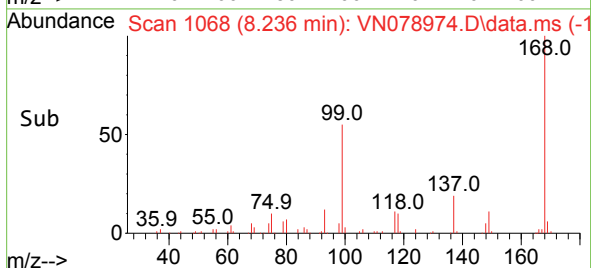
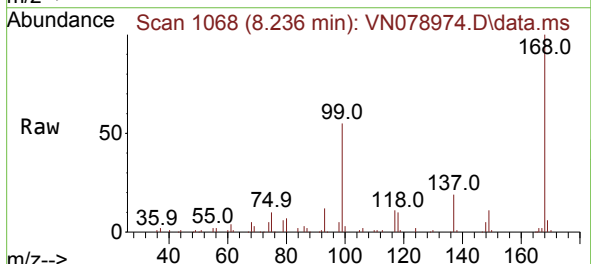


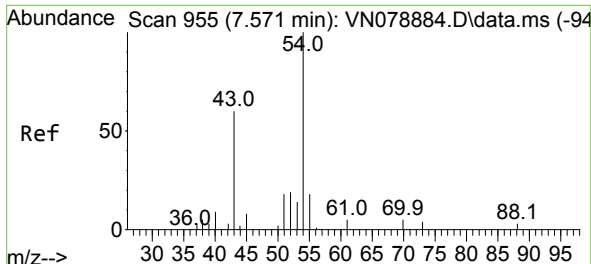
Tgt Ion:113 Resp: 122295
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 18.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Tgt Ion: 75 Resp: 16354
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.039 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

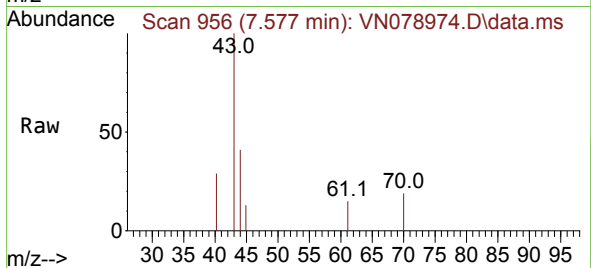
Lab File: VN078974.D

Acq: 21 Aug 2023 14:56

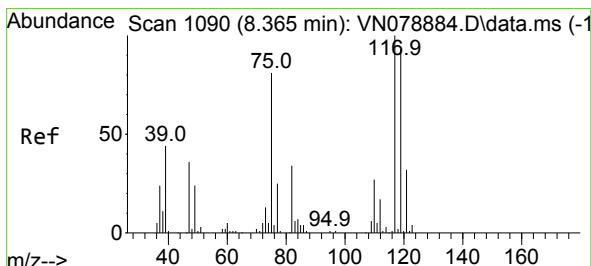
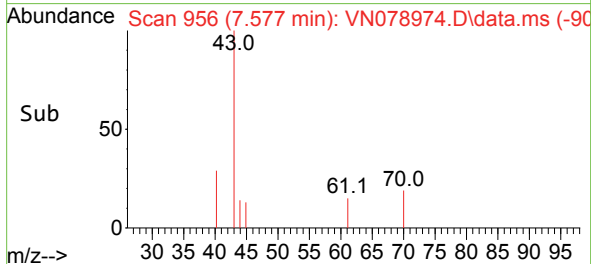
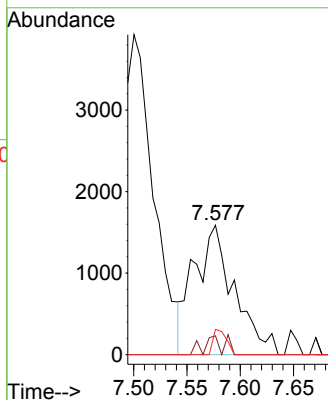
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4155
Ion	Ratio	Lower	Upper
43	100		
61	7.3	13.2	19.8#
70	6.4	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.659 ug/l

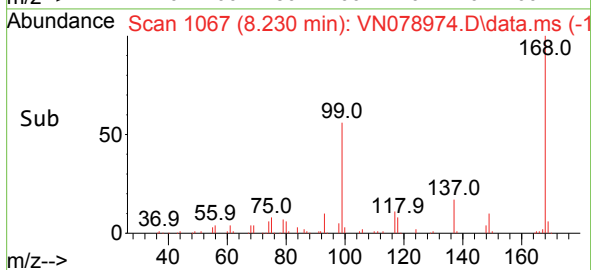
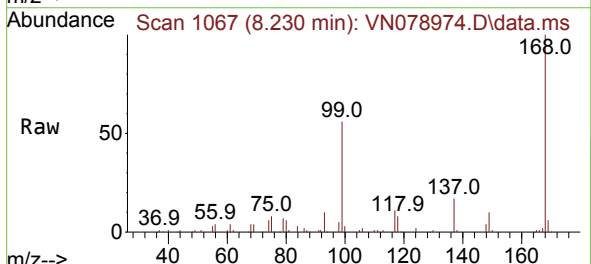
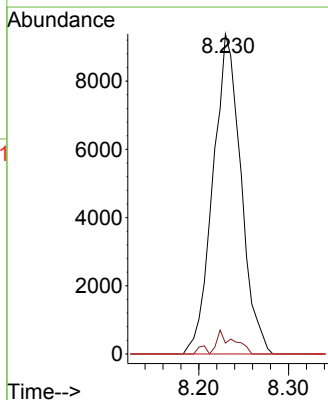
RT: 8.230 min Scan# 1067

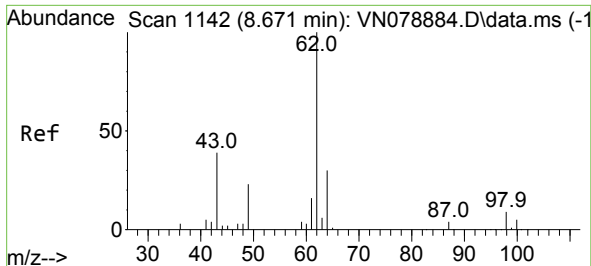
Delta R.T. -0.141 min

Lab File: VN078974.D

Acq: 21 Aug 2023 14:56

Tgt Ion:	117	Resp:	20266
Ion	Ratio	Lower	Upper
117	100		
119	3.4	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.201 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN078974.D

Acq: 21 Aug 2023 14:56

Instrument :

MSVOA_N

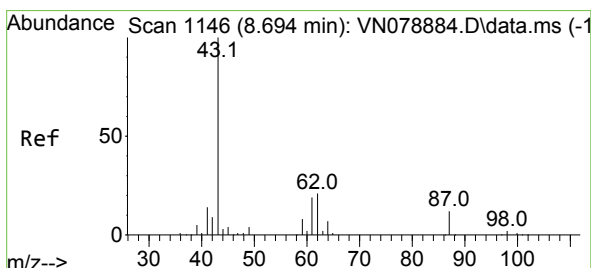
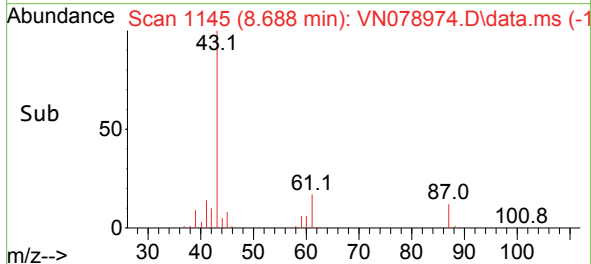
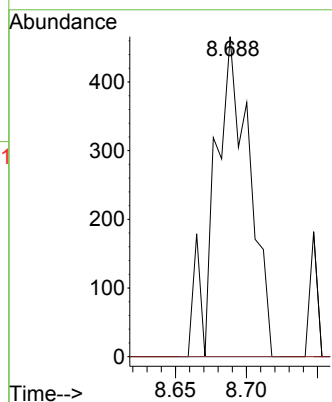
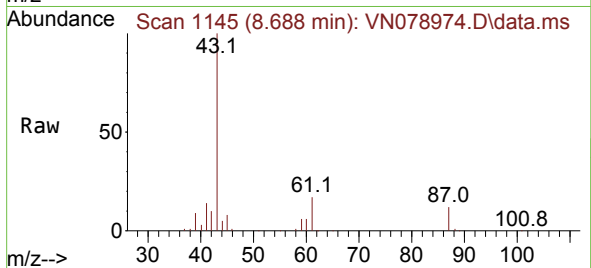
ClientSampleId :

Tgt Ion: 62 Resp: 795

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 24.045 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078974.D

Acq: 21 Aug 2023 14:56

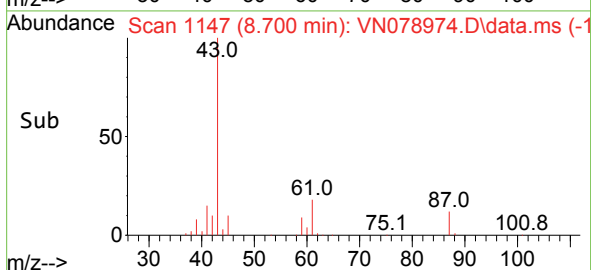
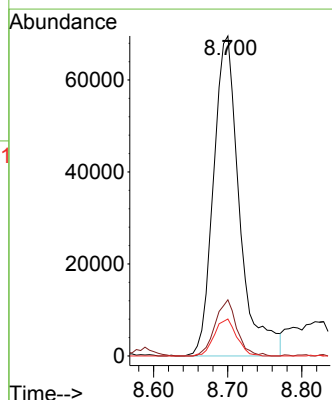
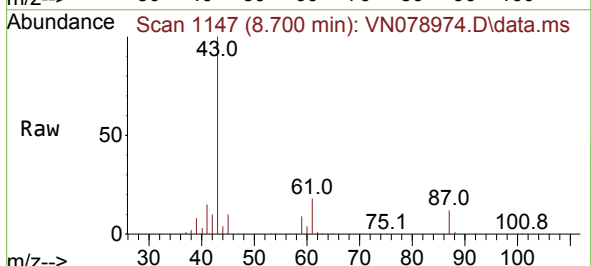
Tgt Ion: 43 Resp: 169947

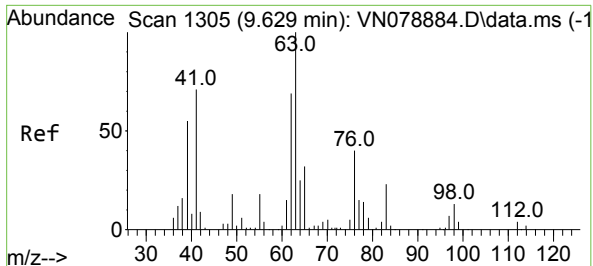
Ion Ratio Lower Upper

43 100

61 14.6 24.7 37.1#

87 9.9 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.484 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN078974.D

Acq: 21 Aug 2023 14:56

Instrument :

MSVOA_N

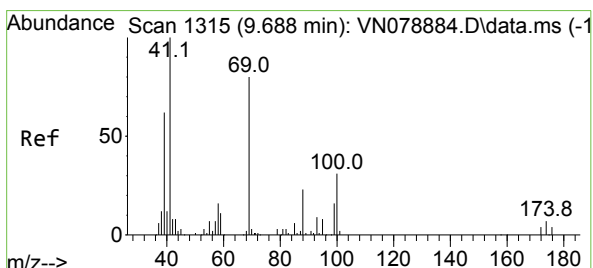
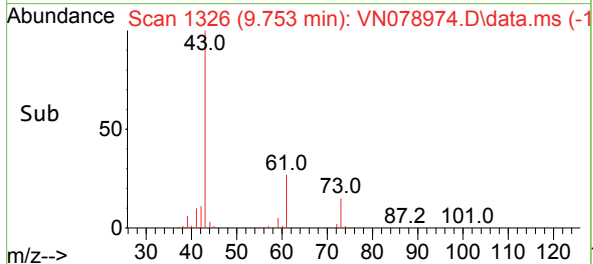
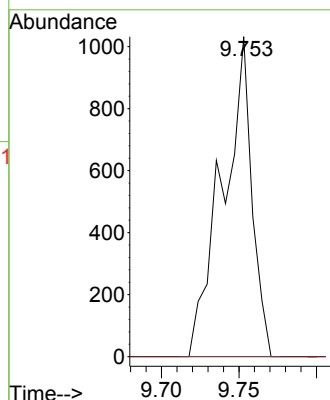
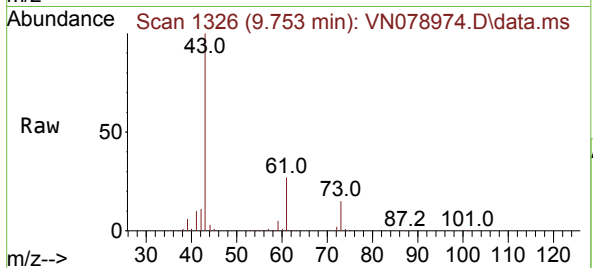
ClientSampleId :

Tgt Ion: 63 Resp: 1361

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.448 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.017 min

Lab File: VN078974.D

Acq: 21 Aug 2023 14:56

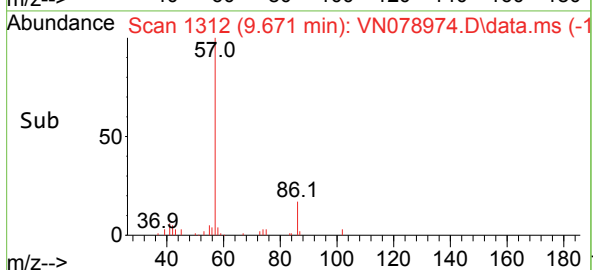
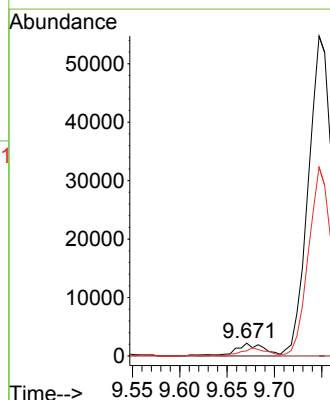
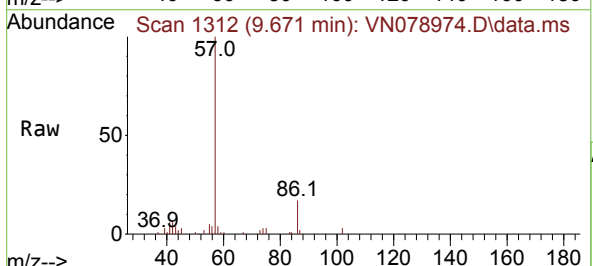
Tgt Ion: 41 Resp: 4637

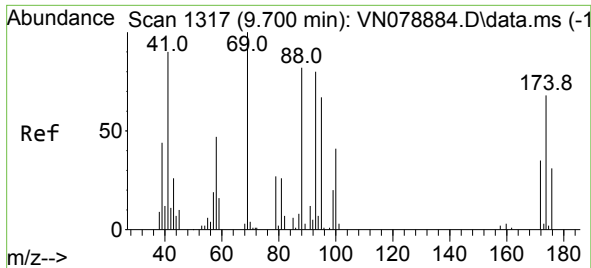
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

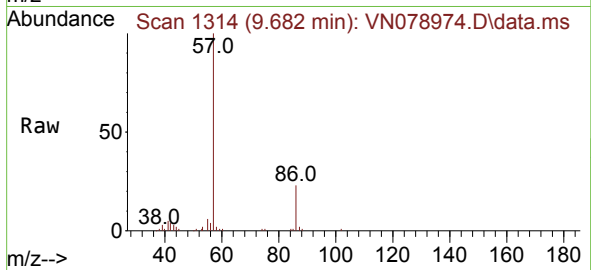
39 53.9 54.6 81.8#



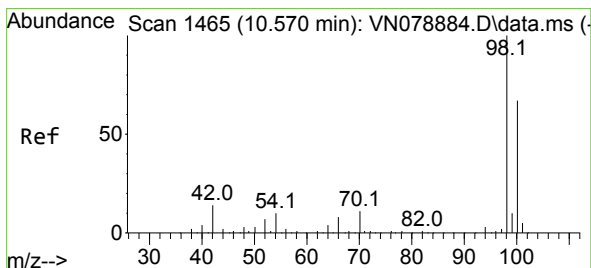
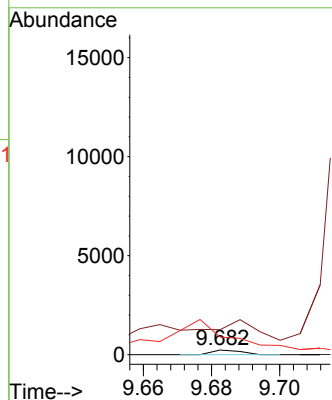
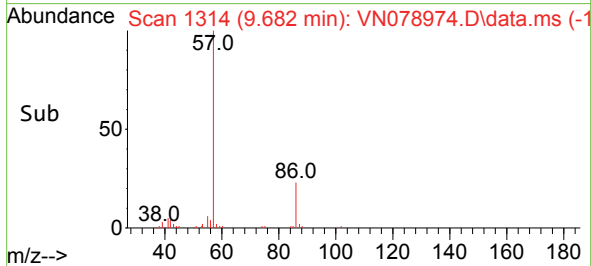


#49
1,4-Dioxane
Concen: 2.566 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.018 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :

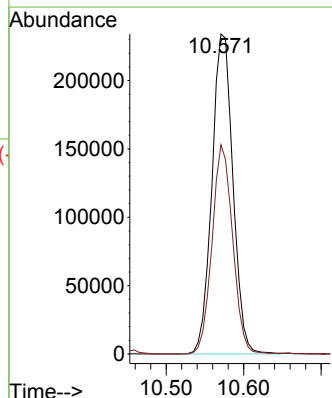
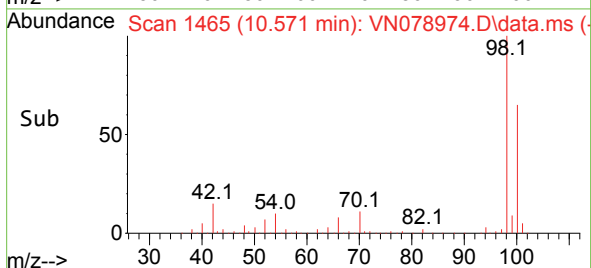
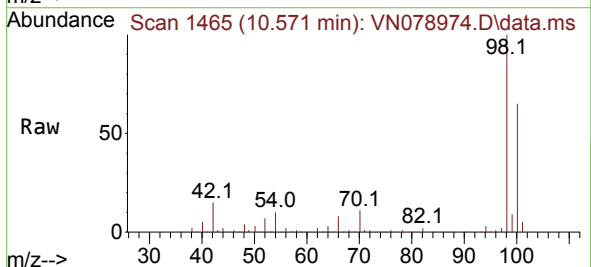


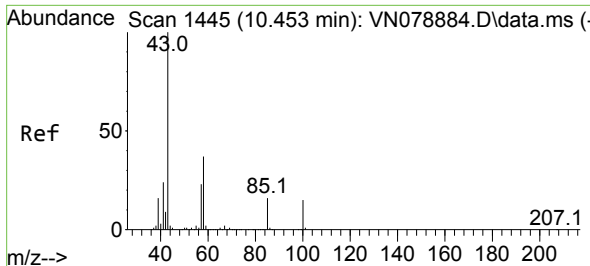
Tgt Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 2192.9 47.0 70.4#



#50
Toluene-d8
Concen: 49.985 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Tgt Ion: 98 Resp: 440969
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

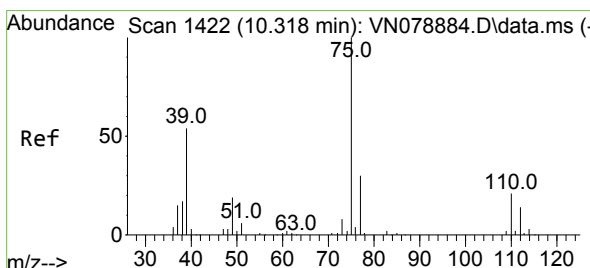
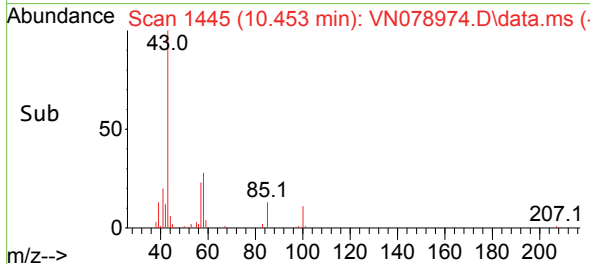
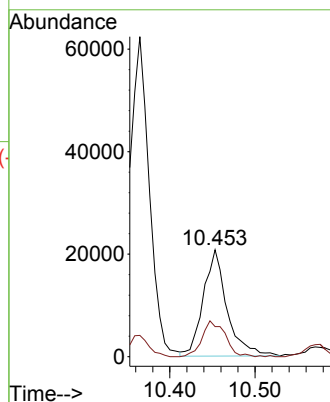
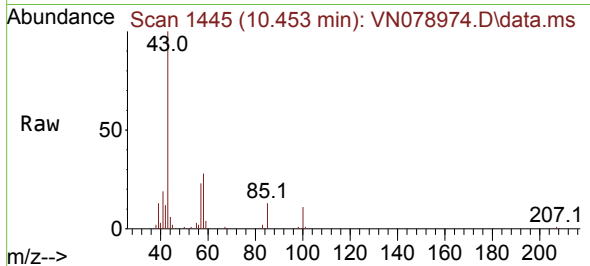




#51
4-Methyl-2-Pentanone
Concen: 9.586 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

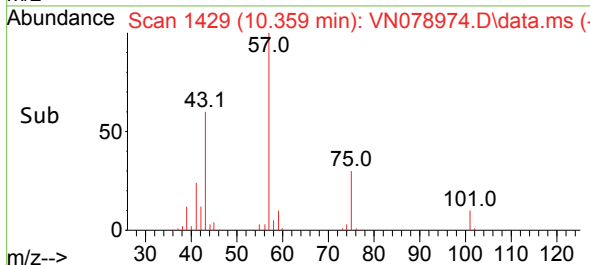
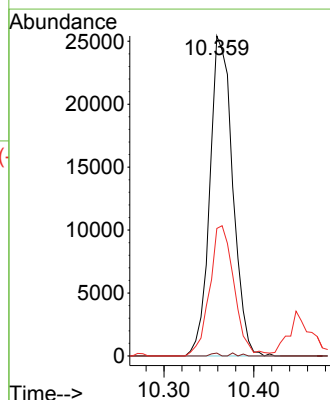
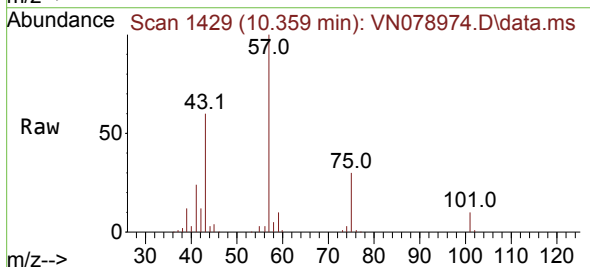
Instrument :
MSVOA_N
ClientSampleId :

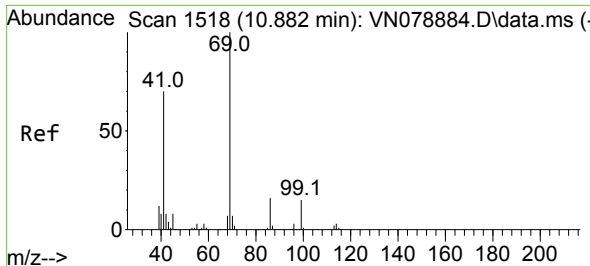
Tgt Ion: 43 Resp: 40182
Ion Ratio Lower Upper
43 100
58 32.7 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 10.111 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

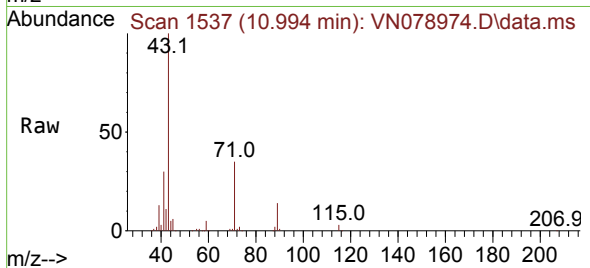
Tgt Ion: 75 Resp: 44984
Ion Ratio Lower Upper
75 100
77 0.9 26.1 39.1#
39 39.9 31.6 47.4



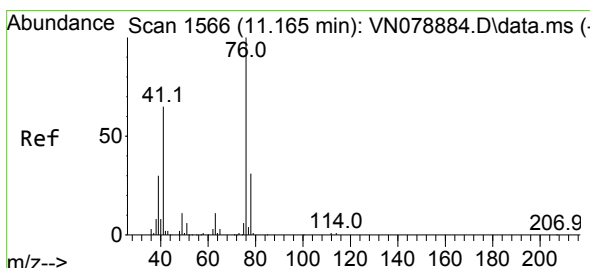
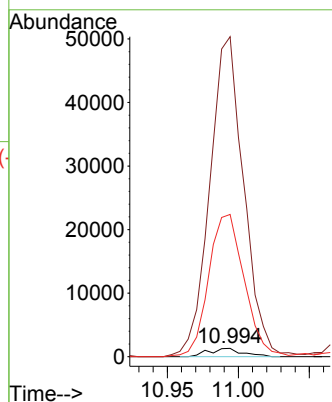
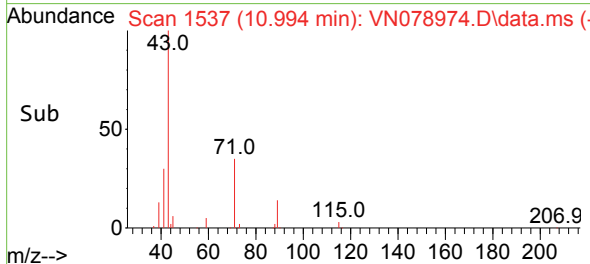


#56
Ethyl methacrylate
Concen: 0.538 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :

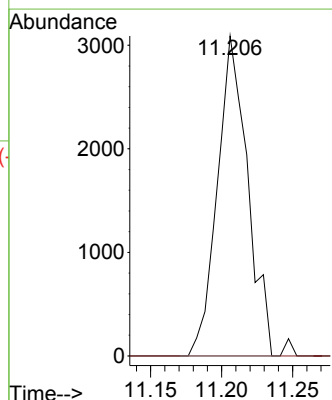
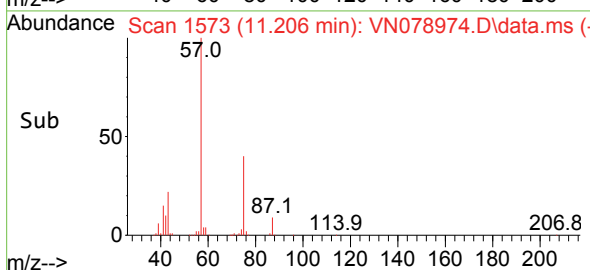
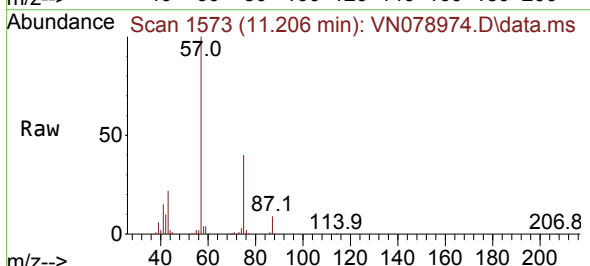


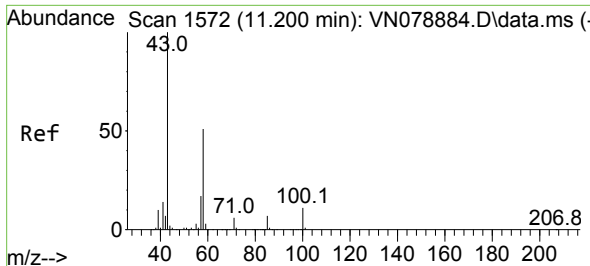
Tgt Ion: 69 Resp: 2169
Ion Ratio Lower Upper
69 100
41 3873.2 39.6 59.4#
39 1800.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.984 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

Tgt Ion: 76 Resp: 4577
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

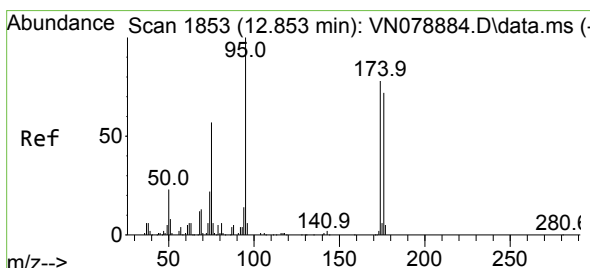
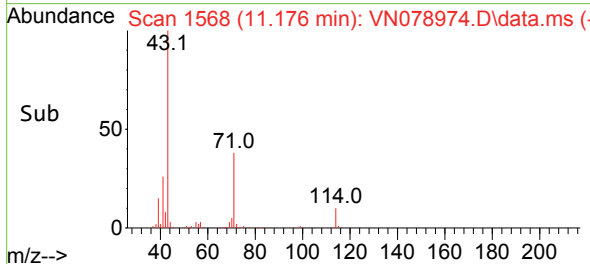
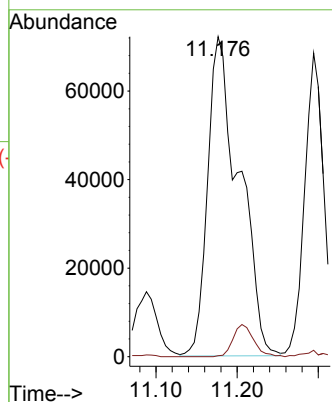
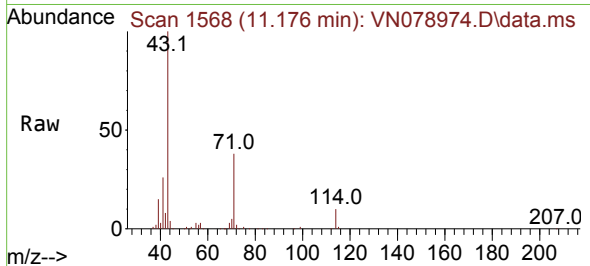




#59
2-Hexanone
Concen: 64.151 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

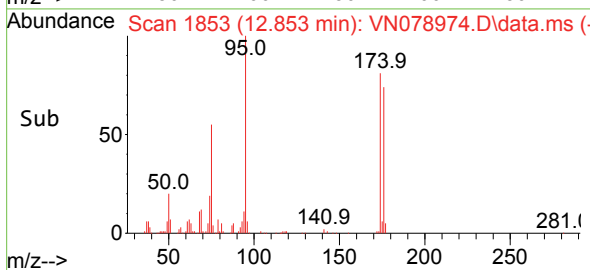
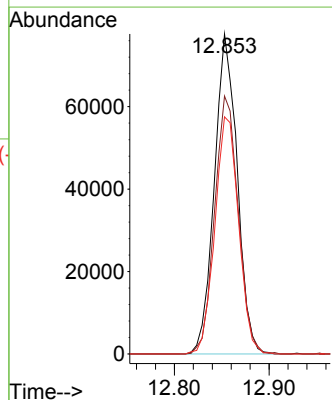
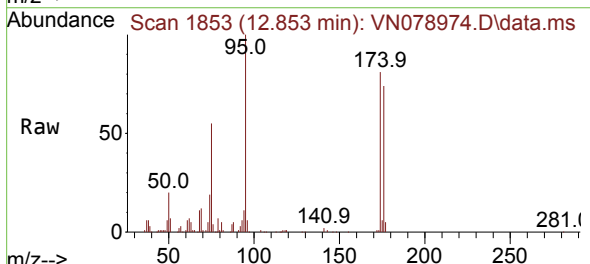
Instrument :
MSVOA_N
ClientSampleId :

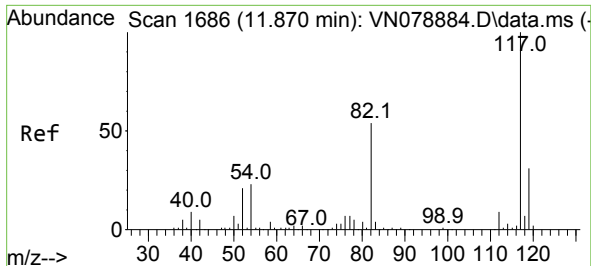
Tgt Ion: 43 Resp: 194777
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.097 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

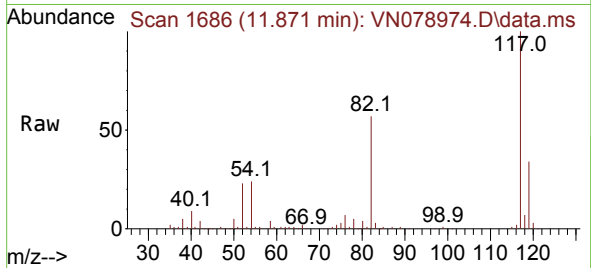
Tgt Ion: 95 Resp: 130041
Ion Ratio Lower Upper
95 100
174 83.5 0.0 143.8
176 77.2 0.0 135.8



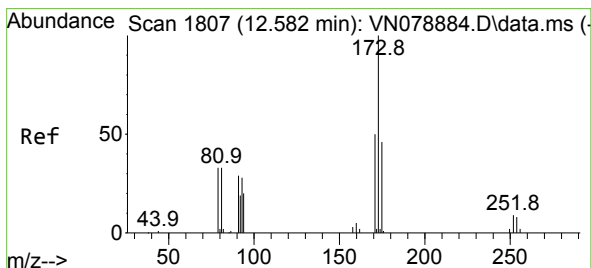
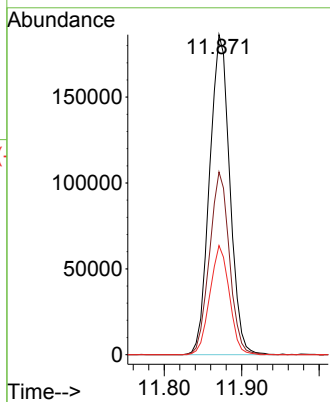
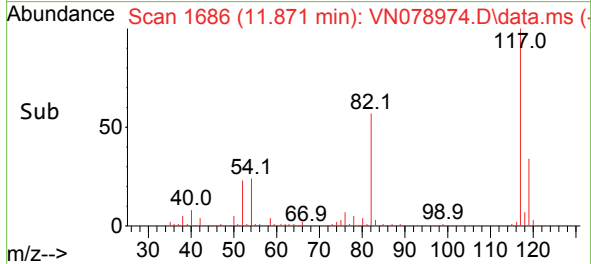


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

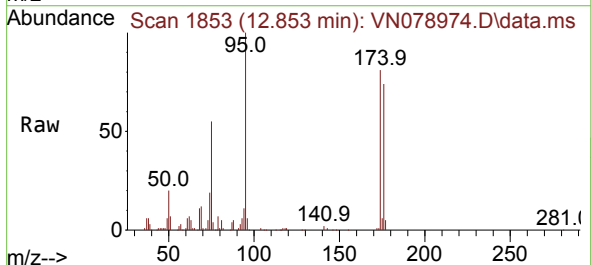
Instrument :
MSVOA_N
ClientSampleId :



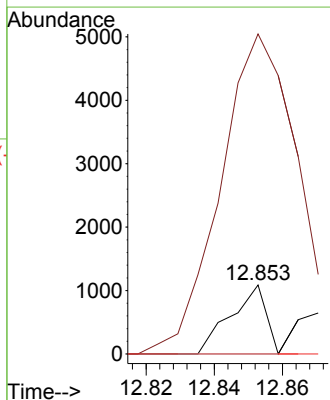
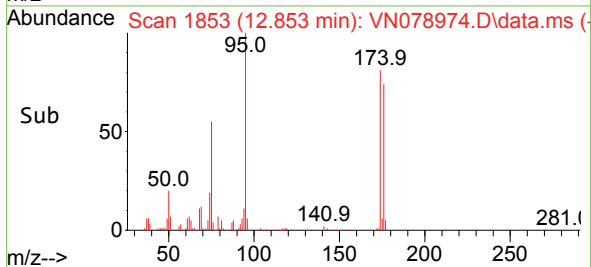
Tgt Ion:117 Resp: 338044
Ion Ratio Lower Upper
117 100
82 57.1 44.0 66.0
119 34.1 25.6 38.4

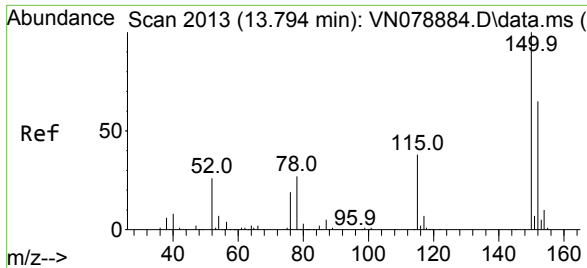


#71
Bromoform
Concen: 0.399 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56



Tgt Ion:173 Resp: 788
Ion Ratio Lower Upper
173 100
175 797.8 24.3 73.0#
254 0.0 0.0 0.0

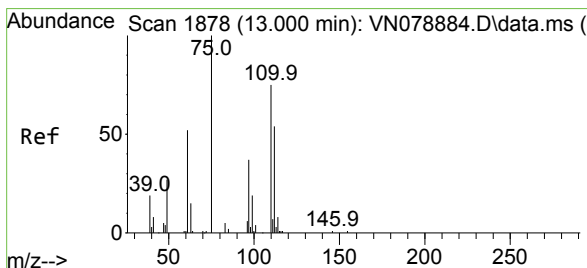
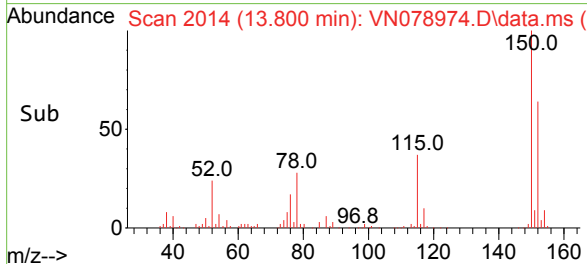
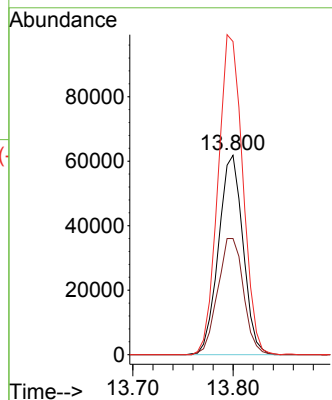
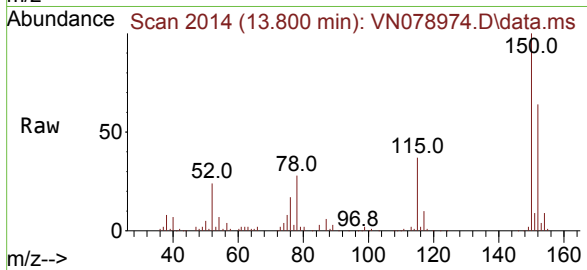




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN078974.D
 Acq: 21 Aug 2023 14:56

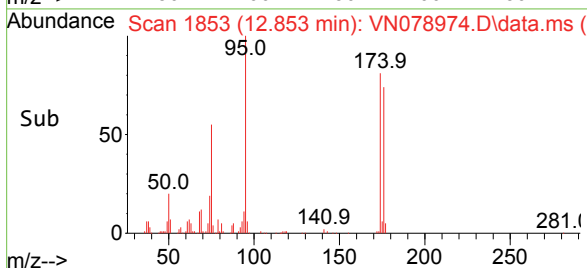
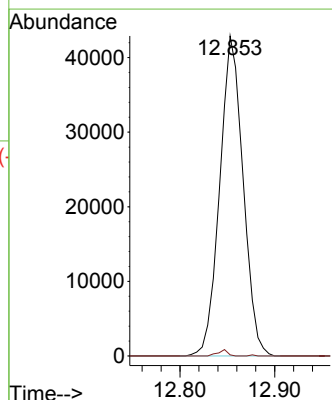
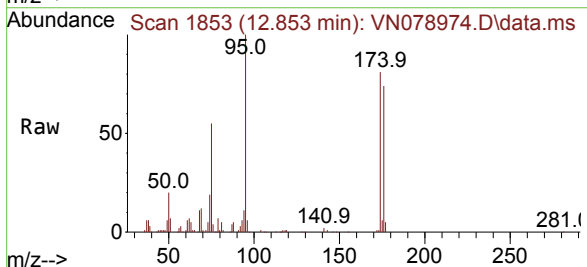
Instrument :
 MSVOA_N
 ClientSampleId :

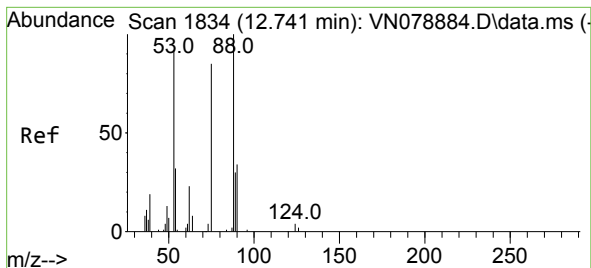
Tgt Ion:152 Resp: 104797
 Ion Ratio Lower Upper
 152 100
 115 61.3 32.3 96.8
 150 162.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 29.127 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078974.D
 Acq: 21 Aug 2023 14:56

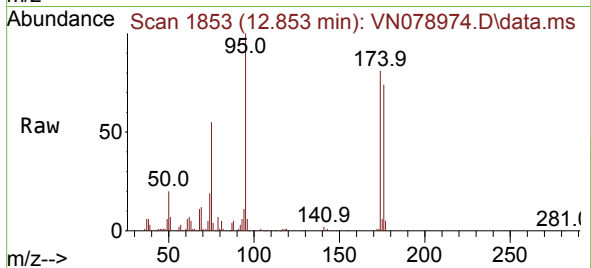
Tgt Ion: 75 Resp: 73548
 Ion Ratio Lower Upper
 75 100
 77 0.8 84.5 253.5#



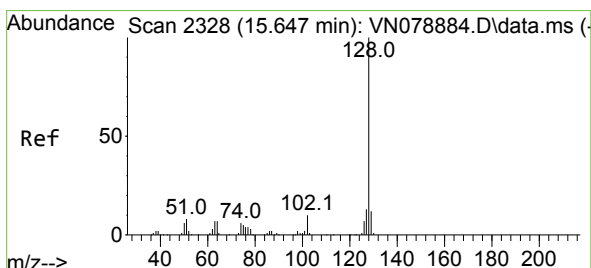
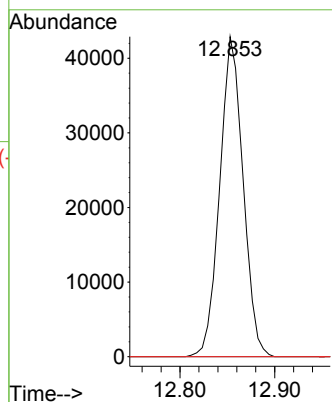
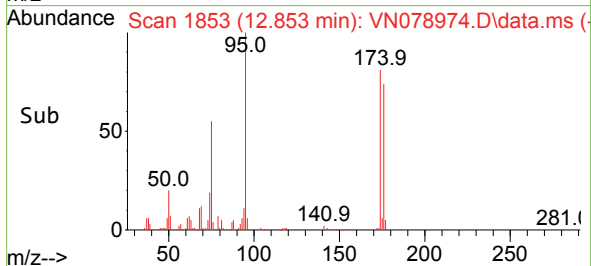


#81
trans-1,4-Dichloro-2-butene
Concen: 74.406 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56

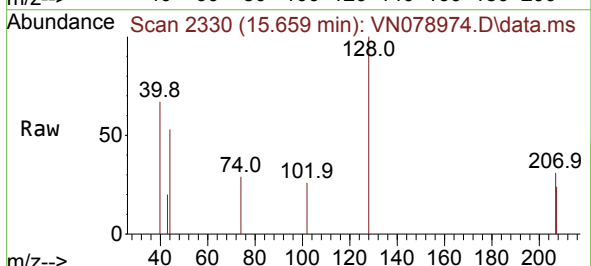
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 73548
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.812 ug/l
RT: 15.659 min Scan# 2330
Delta R.T. 0.012 min
Lab File: VN078974.D
Acq: 21 Aug 2023 14:56



Tgt Ion: 128 Resp: 1207
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

