

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074839.D
 Acq On : 10 Oct 2022 18:13
 Operator : JC\MD
 Sample : PB148097ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:28:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

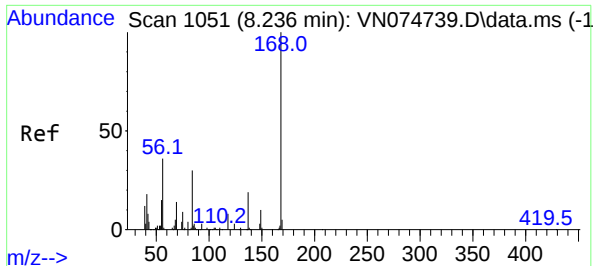
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	359516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	652648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	701882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	336923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	423253	49.687	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.380%		
35) Dibromofluoromethane	8.177	113	333948	50.644	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.280%		
50) Toluene-d8	10.571	98	1470409	51.968	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.940%		
62) 4-Bromofluorobenzene	12.853	95	376058	43.722	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.440%		
Target Compounds					Qvalue	
6) Chloroethane	3.230	64	4572	0.455	ug/l #	43
11) Tert butyl alcohol	5.524	59	14903	5.224	ug/l #	77
13) Acrolein	4.224	56	248	Below Cal	#	1
16) Acetone	4.459	43	107433	22.255	ug/l	96
18) Methyl Acetate	5.065	43	19255	1.077	ug/l #	70
20) Methylene Chloride	5.294	84	25817	1.194	ug/l #	93
25) 2-Butanone	7.512	43	11010	1.257	ug/l #	88
29) Tetrahydrofuran	7.877	42	6142	1.006	ug/l #	73
31) Cyclohexane	8.241	56	10628	0.722	ug/l #	50
36) 1,1-Dichloropropene	8.235	75	37395	3.504	ug/l #	50
37) Ethyl Acetate	7.512	43	11010	0.257	ug/l #	86
38) Carbon Tetrachloride	8.235	117	41841	4.157	ug/l #	18
42) 1,2-Dichloroethane	8.694	62	3787	0.349	ug/l #	74
43) Isopropyl Acetate	8.700	43	467894	17.686	ug/l #	91
48) Methyl methacrylate	9.671	41	13160	1.212	ug/l #	92
49) 1,4-Dioxane	9.759	88	452	1.920	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	22953	1.347	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	141713	9.822	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	20316	1.351	ug/l #	43
59) 2-Hexanone	11.206	43	246835	19.155	ug/l #	55
71) Bromoform	12.853	173	4731	0.790	ug/l #	1
74) N-amyl acetate	12.306	43	108953	5.558	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	13.023	83	83	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	223929	22.268	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	223929	43.386	ug/l #	14

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

Quant Time: Oct 11 06:28:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration

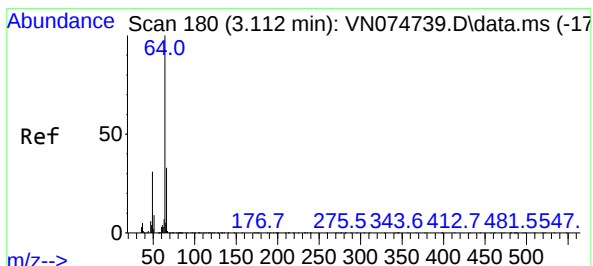
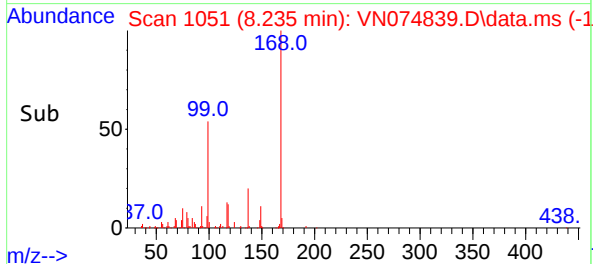
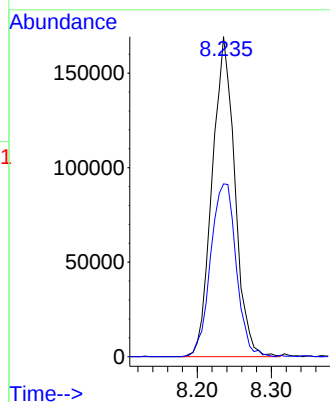
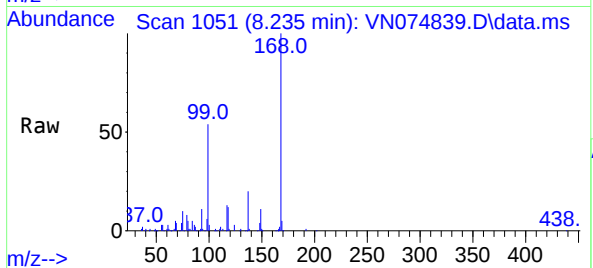




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

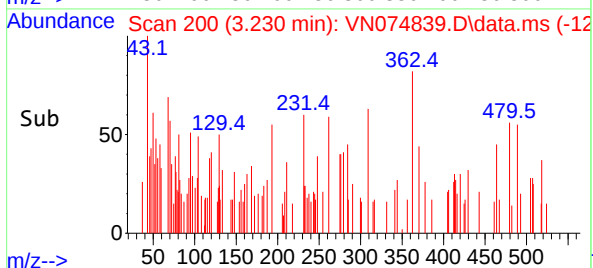
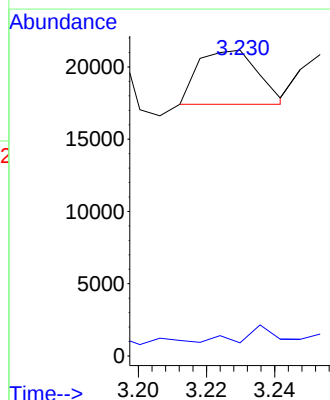
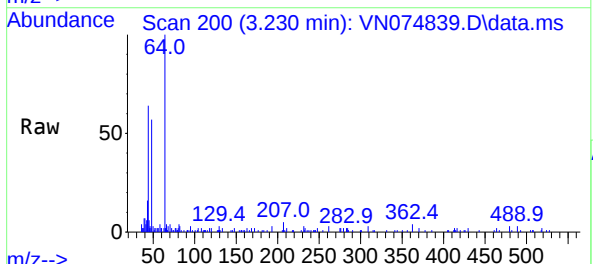
Instrument :
MSVOA_N
ClientSampleId :

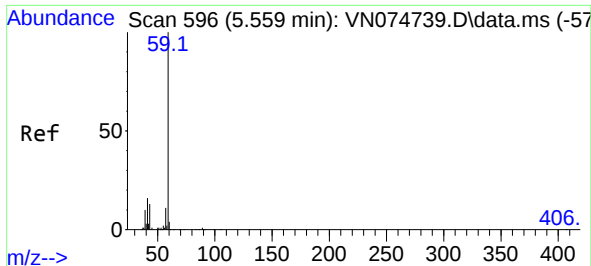
Tgt Ion:168 Resp: 359516
Ion Ratio Lower Upper
168 100
99 54.0 42.8 64.2



#6
Chloroethane
Concen: 0.455 ug/l
RT: 3.230 min Scan# 200
Delta R.T. 0.117 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Tgt Ion: 64 Resp: 4572
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 5.224 ug/l

RT: 5.524 min Scan# 59

Delta R.T. -0.036 min

Lab File: VN074839.D

Acq: 10 Oct 2022 18:13

Instrument :

MSVOA_N

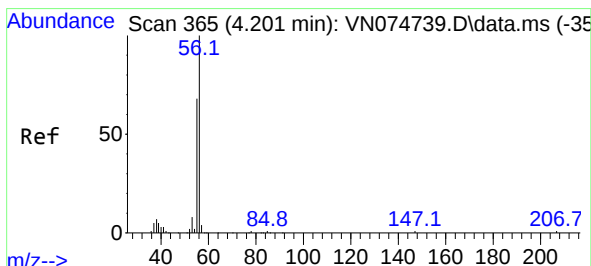
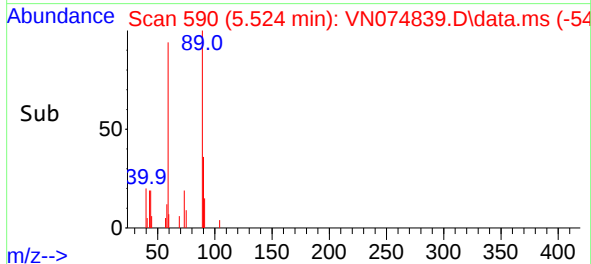
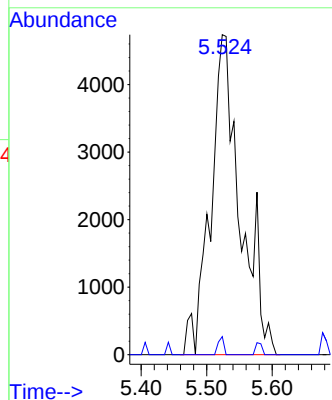
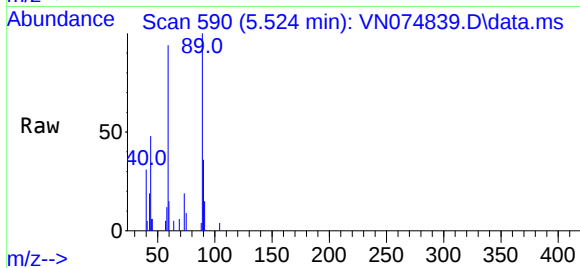
ClientSampleId :

Tgt Ion: 59 Resp: 14903

Ion Ratio Lower Upper

59 100

57 1.1 7.7 11.5#



#13

Acrolein

Concen: Below Cal

RT: 4.224 min Scan# 369

Delta R.T. 0.023 min

Lab File: VN074839.D

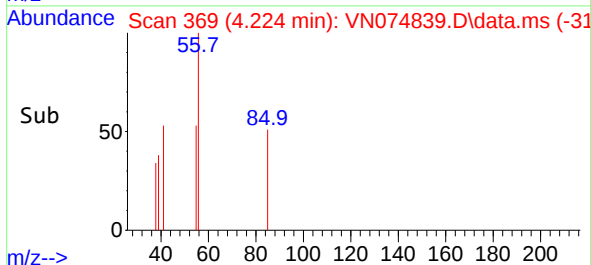
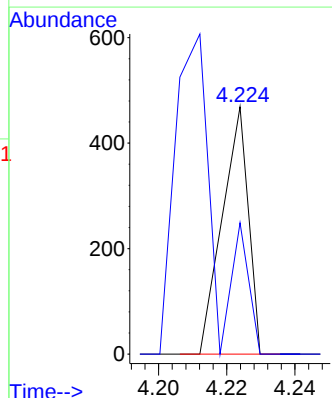
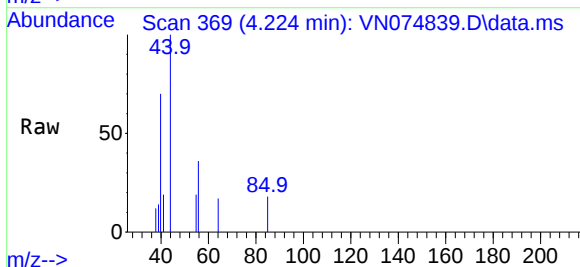
Acq: 10 Oct 2022 18:13

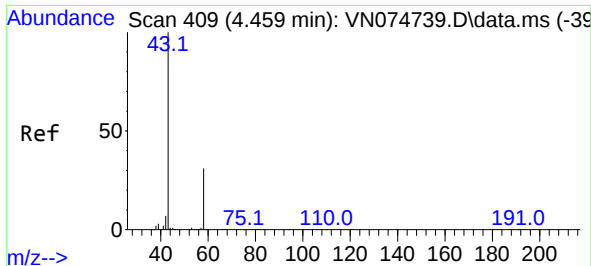
Tgt Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

55 196.4 54.9 82.3#

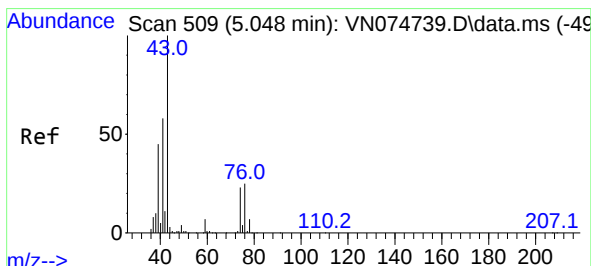
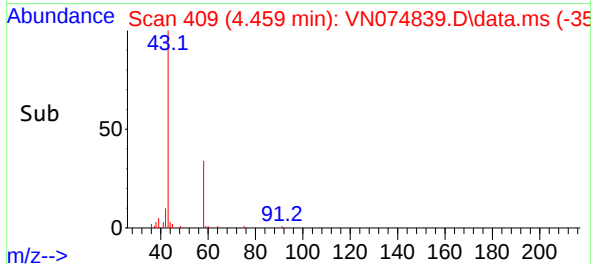
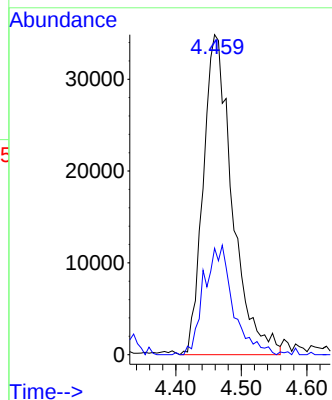
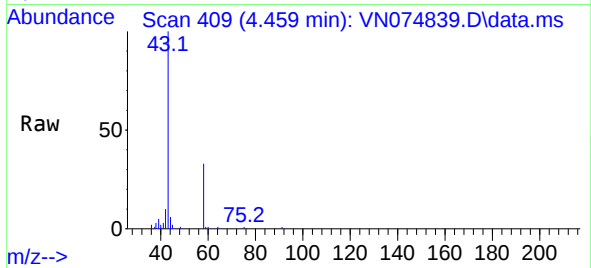




#16
Acetone
Concen: 22.255 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

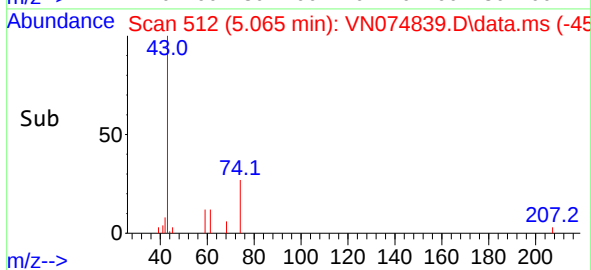
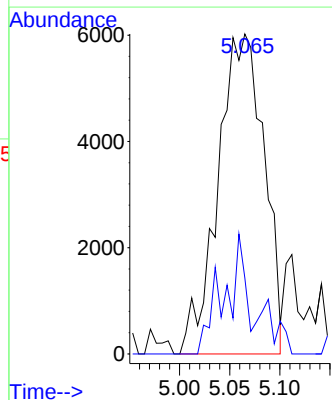
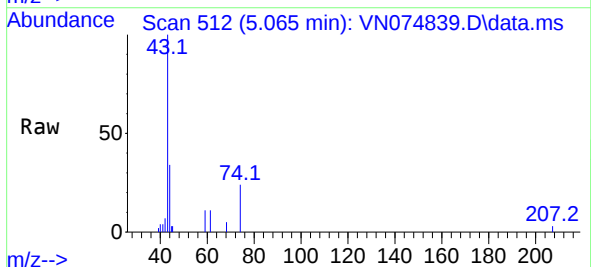
Instrument :
MSVOA_N
ClientSampleId :

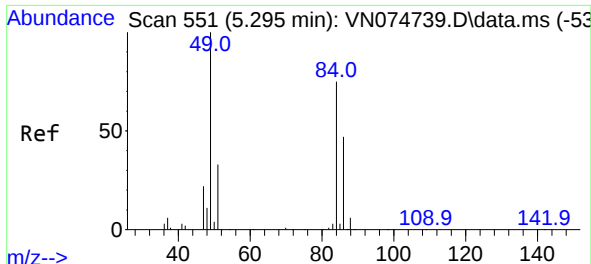
Tgt Ion: 43 Resp: 107433
Ion Ratio Lower Upper
43 100
58 33.2 24.9 37.3



#18
Methyl Acetate
Concen: 1.077 ug/l
RT: 5.065 min Scan# 512
Delta R.T. 0.017 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

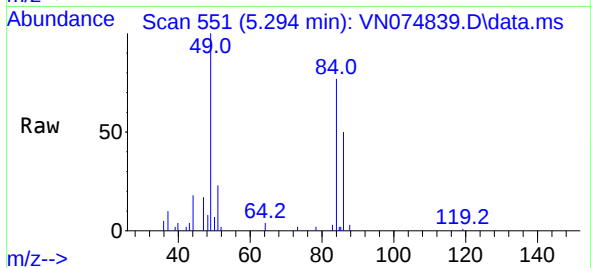
Tgt Ion: 43 Resp: 19255
Ion Ratio Lower Upper
43 100
74 8.6 18.5 27.7#



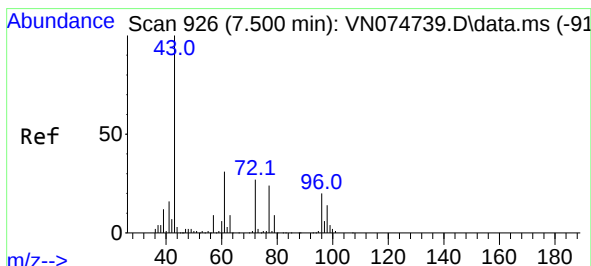
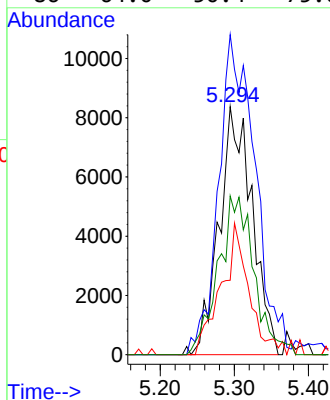
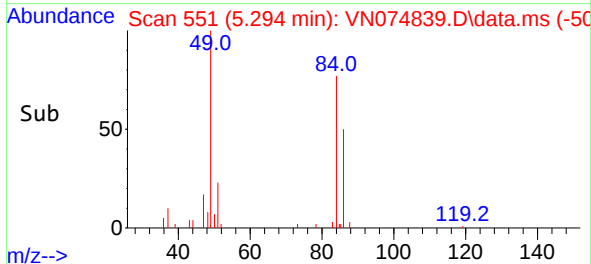


#20
Methylene Chloride
Concen: 1.194 ug/l
RT: 5.294 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Instrument :
MSVOA_N
ClientSampleId :

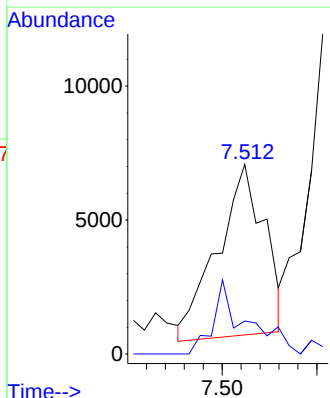
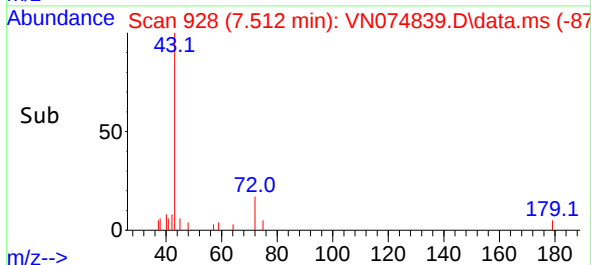
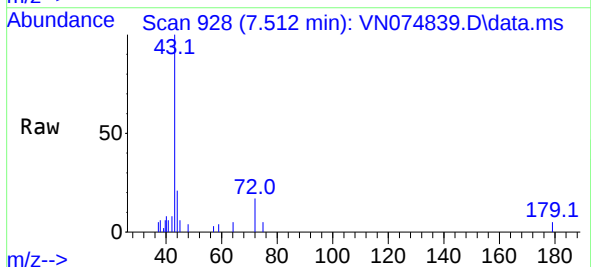


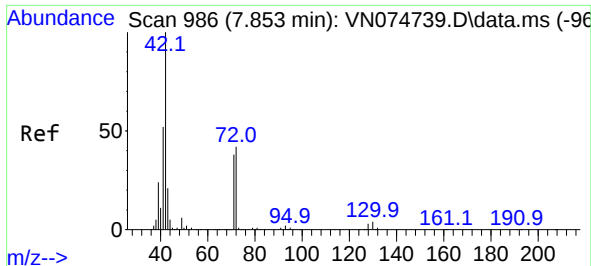
Tgt Ion: 84 Resp: 25817
Ion Ratio Lower Upper
84 100
49 129.1 107.4 161.0
51 30.0 35.1 52.7#
86 64.0 50.4 75.6



#25
2-Butanone
Concen: 1.257 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

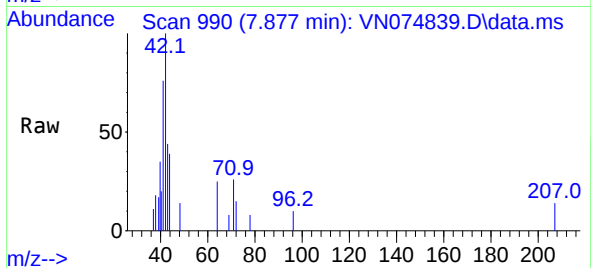
Tgt Ion: 43 Resp: 11010
Ion Ratio Lower Upper
43 100
72 20.5 21.4 32.0#



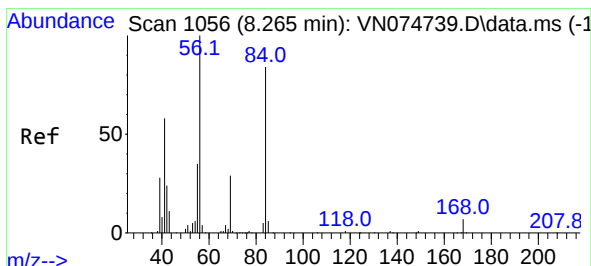
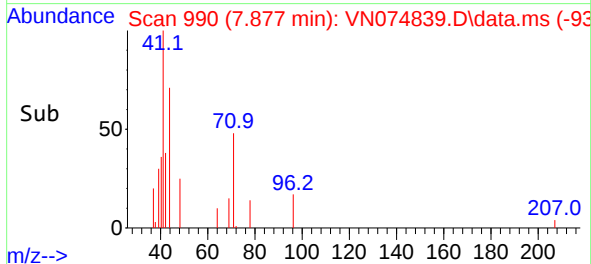
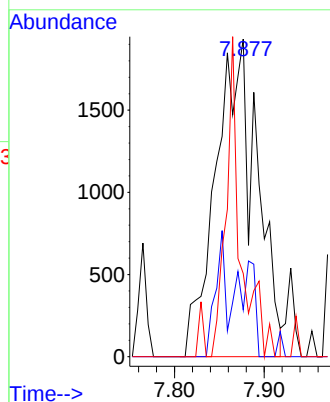


#29
Tetrahydrofuran
Concen: 1.006 ug/l
RT: 7.877 min Scan# 990
Delta R.T. 0.023 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Instrument :
MSVOA_N
ClientSampleId :

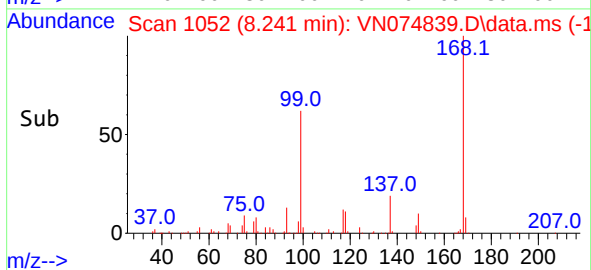
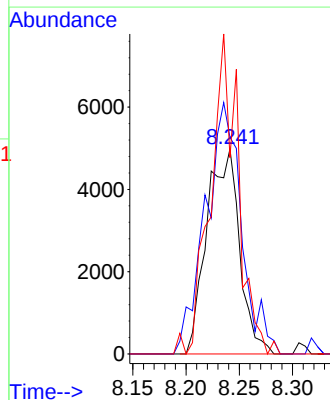
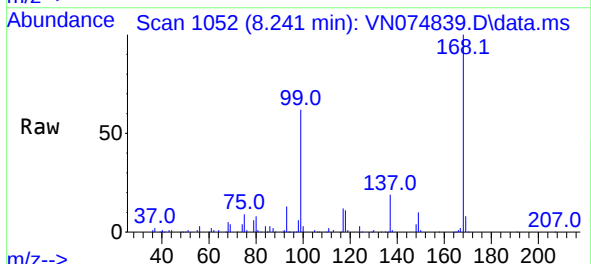


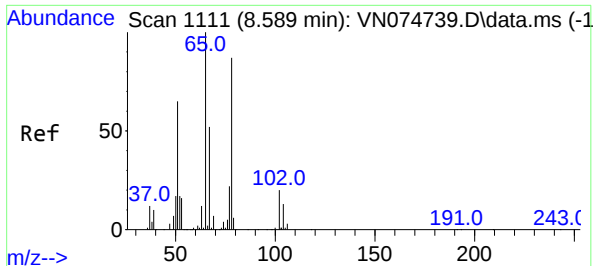
Tgt Ion: 42 Resp: 6142
Ion Ratio Lower Upper
42 100
72 11.2 33.0 49.6#
71 35.4 30.4 45.6



#31
Cyclohexane
Concen: 0.722 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.024 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Tgt Ion: 56 Resp: 10628
Ion Ratio Lower Upper
56 100
69 105.6 23.1 34.7#
84 100.2 67.1 100.7

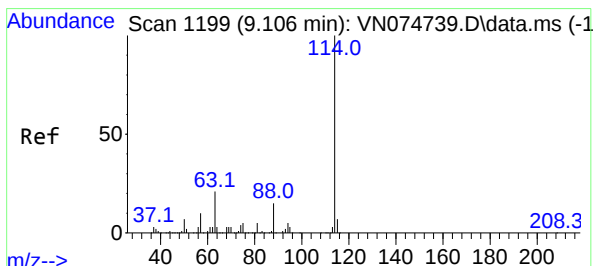
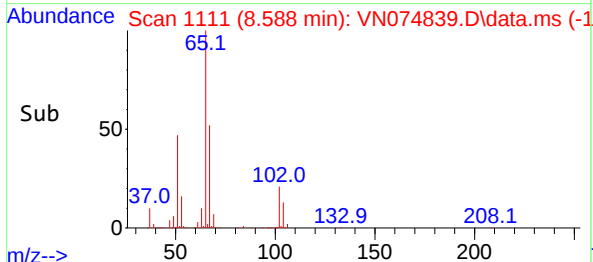
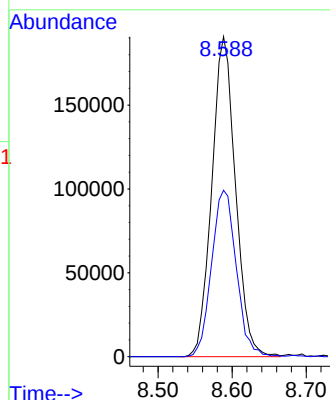
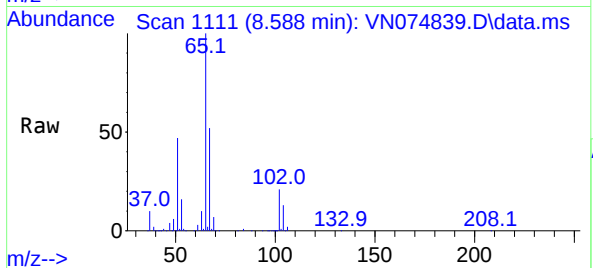




#33
1,2-Dichloroethane-d4
Concen: 49.687 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

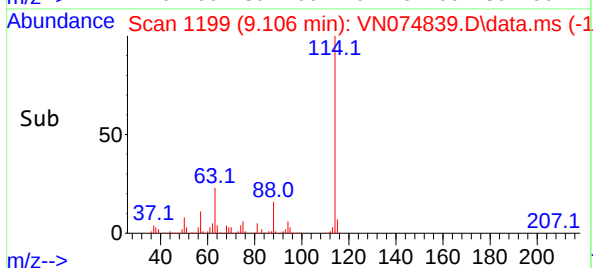
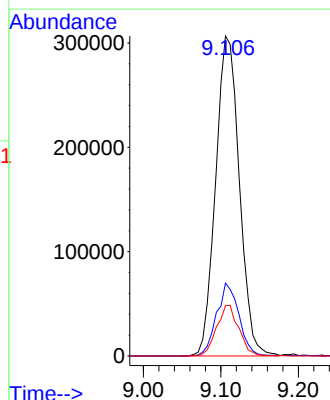
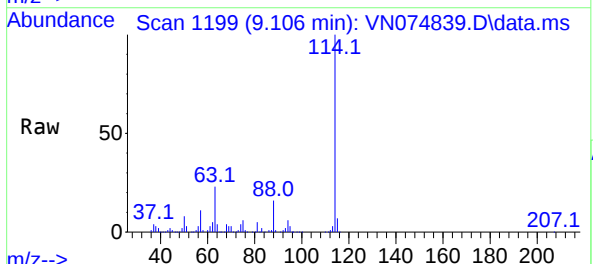
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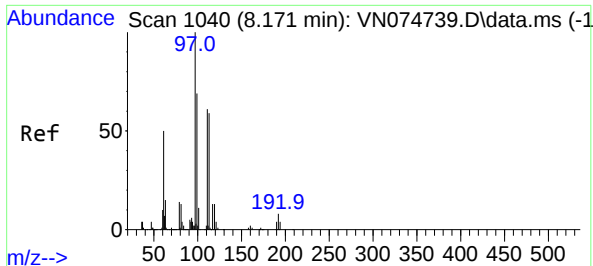
Tgt Ion: 65 Resp: 423253
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

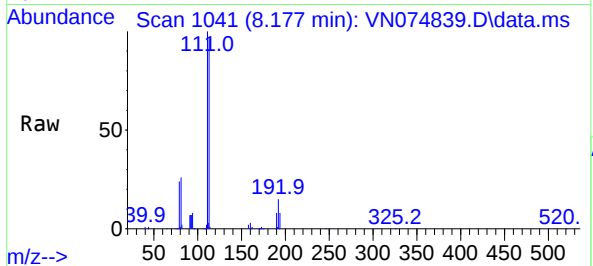
Tgt Ion: 114 Resp: 652648
Ion Ratio Lower Upper
114 100
63 22.8 0.0 41.2
88 15.7 0.0 30.2



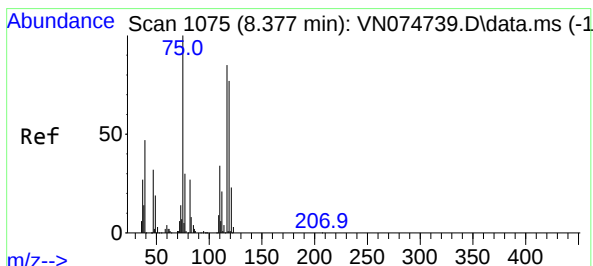
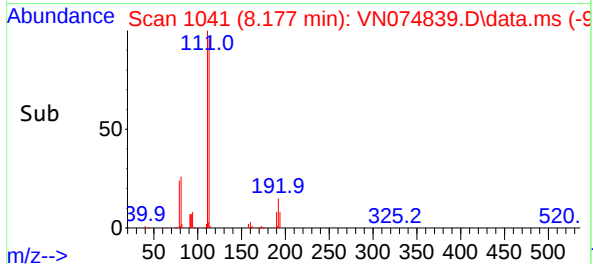
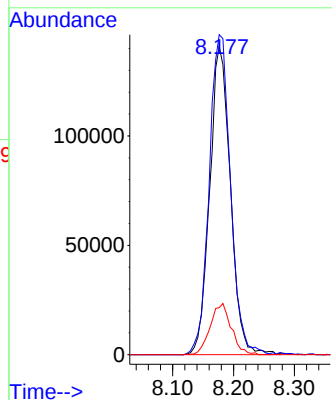


#35
Dibromofluoromethane
Concen: 50.644 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Instrument :
MSVOA_N
ClientSampleId :

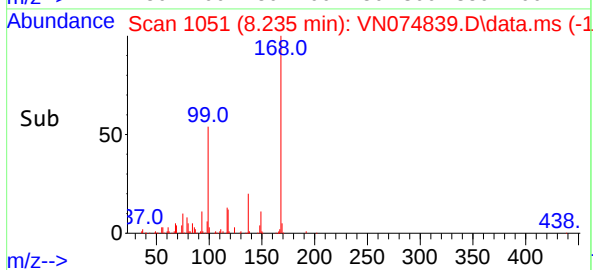
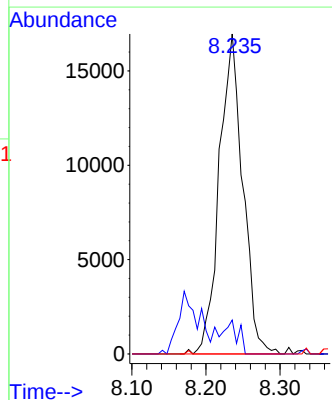
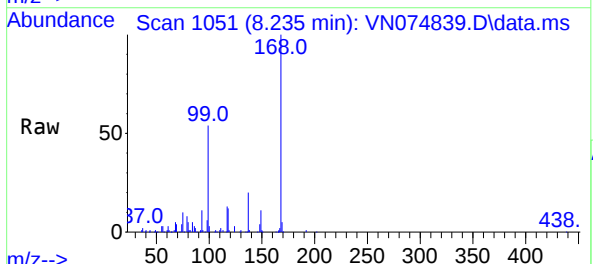


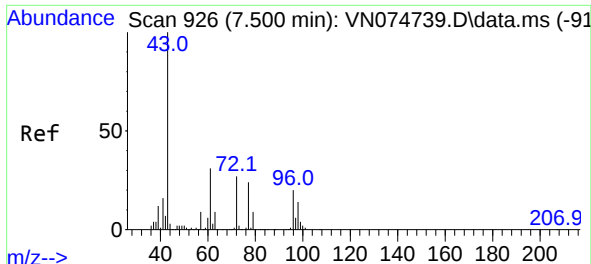
Tgt Ion:113 Resp: 333948
Ion Ratio Lower Upper
113 100
111 106.4 83.0 124.6
192 16.8 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.504 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

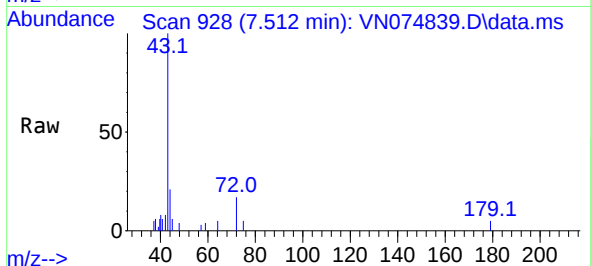
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Ion Ratio Lower Upper
75 100
110 8.3 17.2 51.5#
77 0.0 24.3 36.5#



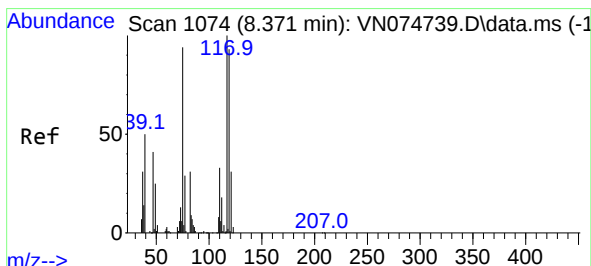
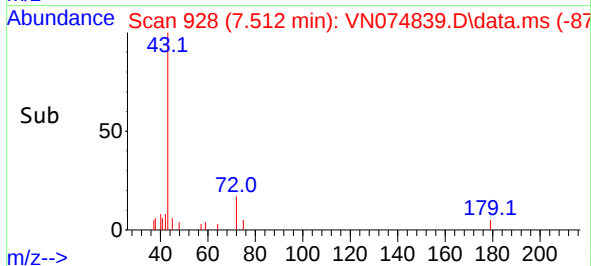
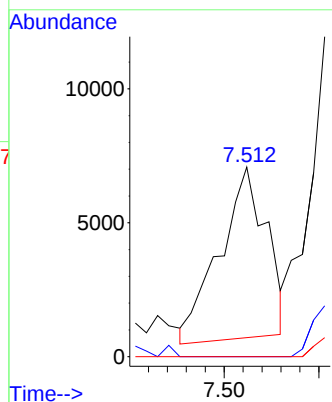


#37
Ethyl Acetate
Concen: 0.257 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Instrument :
MSVOA_N
ClientSampleId :

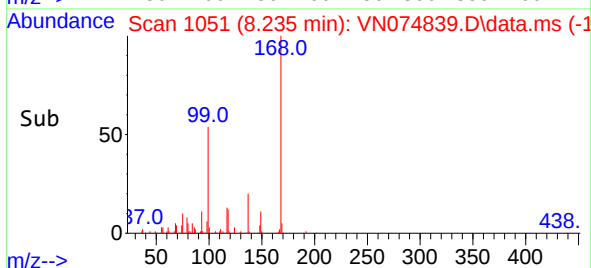
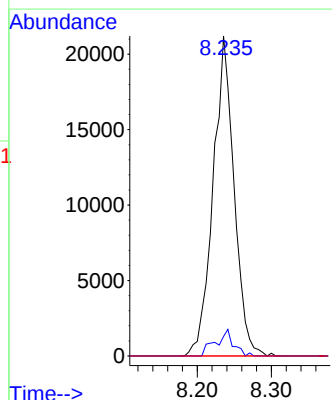
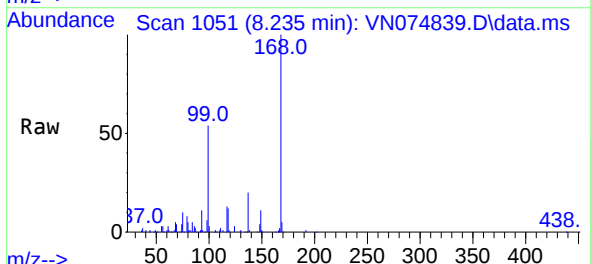


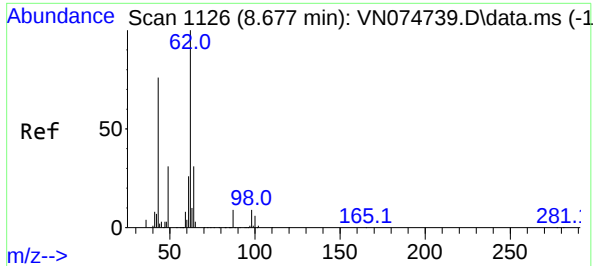
Tgt Ion: 43 Resp: 11010
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 4.157 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.136 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Tgt Ion: 117 Resp: 41841
Ion Ratio Lower Upper
117 100
119 6.1 74.3 111.5#
121 0.0 25.0 37.4#

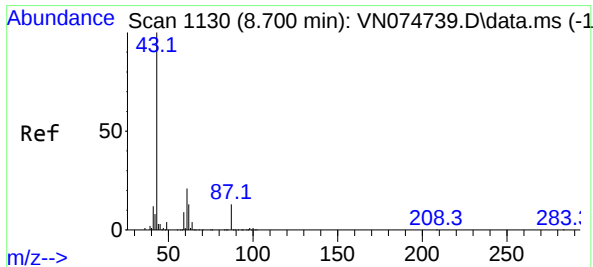
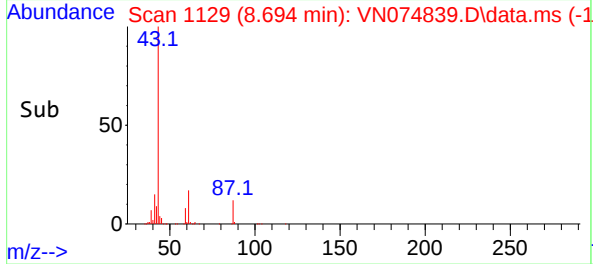
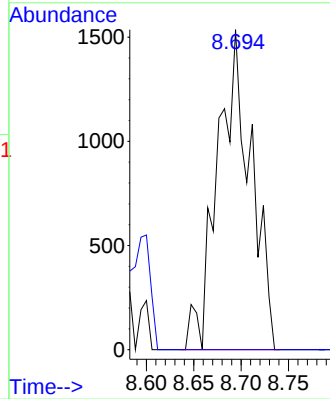
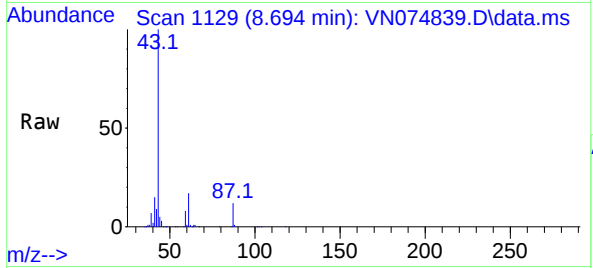




#42
1,2-Dichloroethane
Concen: 0.349 ug/l
RT: 8.694 min Scan# 1126
Delta R.T. 0.017 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

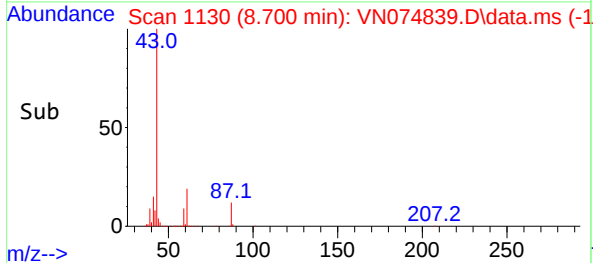
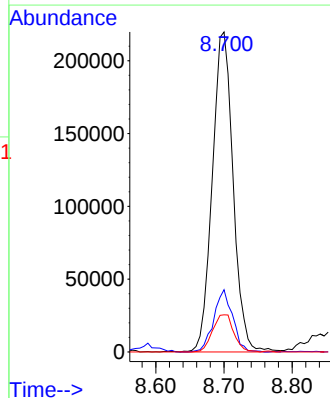
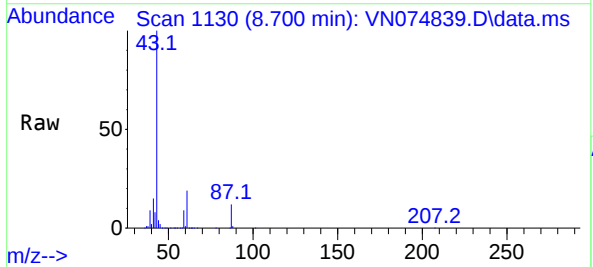
Instrument :
MSVOA_N
ClientSampleId :

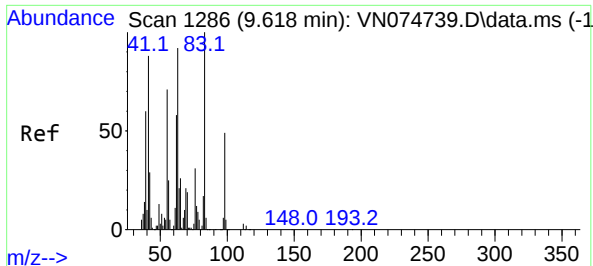
Tgt Ion: 62 Resp: 3787
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4



#43
Isopropyl Acetate
Concen: 17.686 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Tgt Ion: 43 Resp: 467894
Ion Ratio Lower Upper
43 100
61 17.7 19.4 29.0#
87 11.8 10.1 15.1





#48

Methyl methacrylate

Concen: 1.212 ug/l

RT: 9.671 min Scan# 1310

Delta R.T. 0.053 min

Lab File: VN074839.D

Acq: 10 Oct 2022 18:13

Instrument :

MSVOA_N

ClientSampleId :

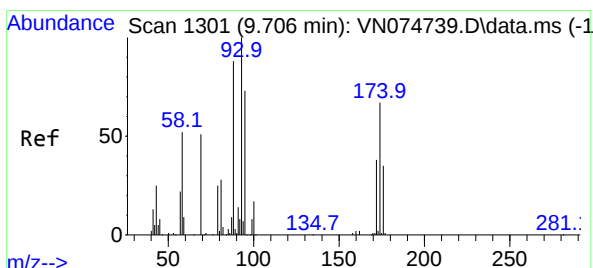
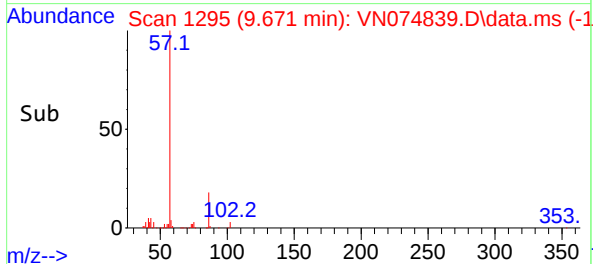
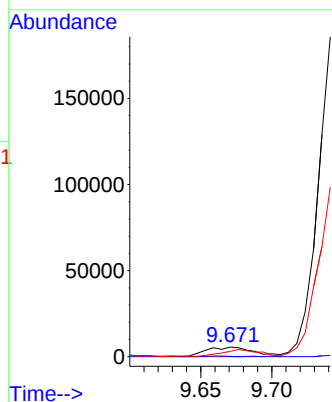
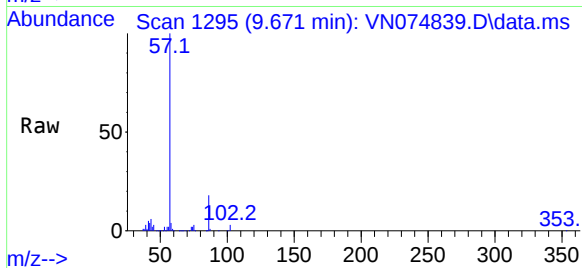
Tgt Ion: 41 Resp: 13160

Ion Ratio Lower Upper

41 100

69 1.3 0.0 0.0#

39 61.9 54.4 81.6



#49

1,4-Dioxane

Concen: 1.920 ug/l

RT: 9.759 min Scan# 1310

Delta R.T. 0.053 min

Lab File: VN074839.D

Acq: 10 Oct 2022 18:13

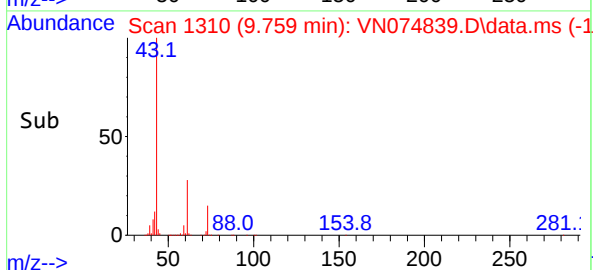
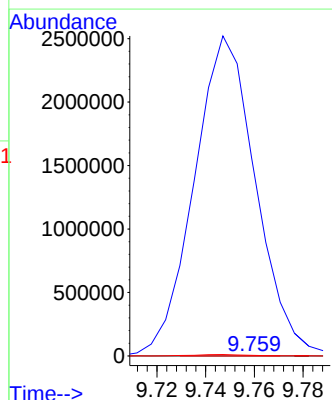
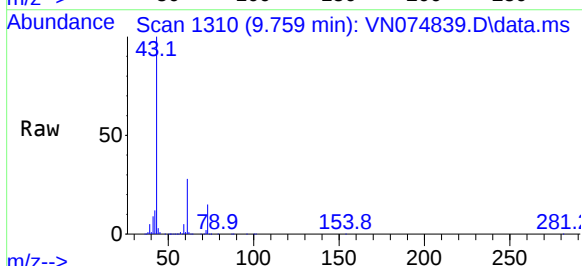
Tgt Ion: 88 Resp: 452

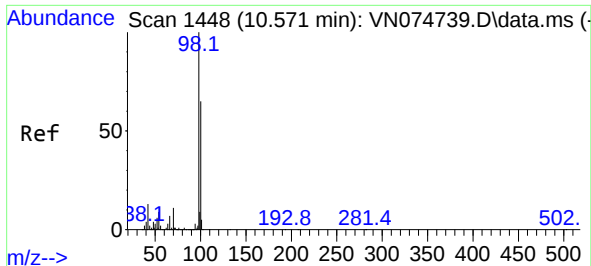
Ion Ratio Lower Upper

88 100

43 989571.2 23.4 35.2#

58 3990.3 54.9 82.3#

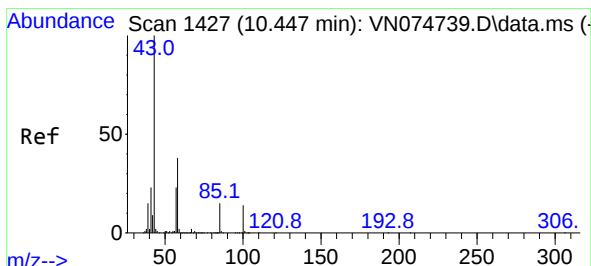
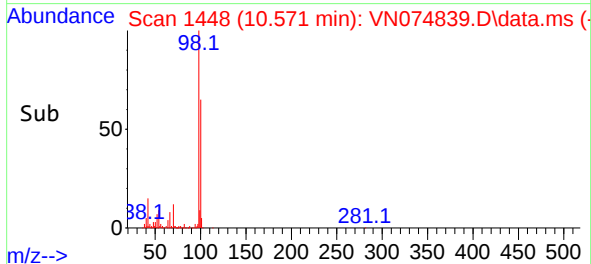
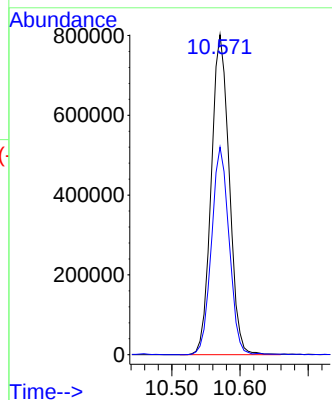
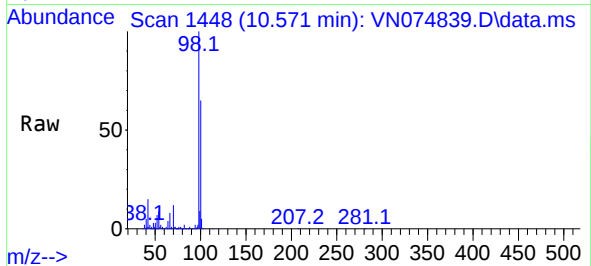




#50
Toluene-d8
Concen: 51.968 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

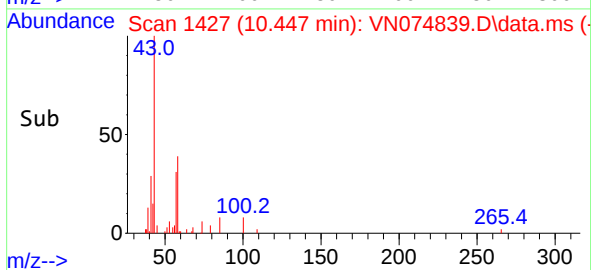
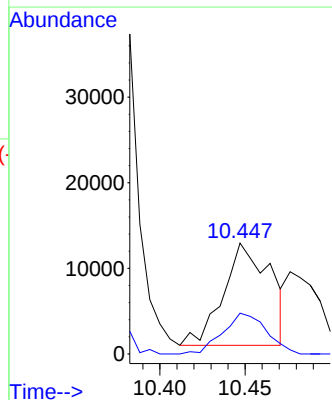
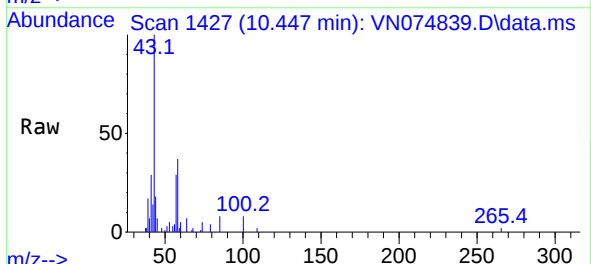
Instrument :
MSVOA_N
ClientSampleId :

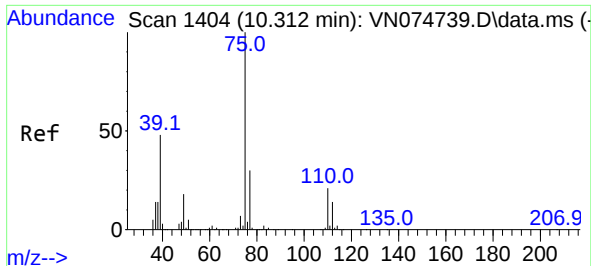
Tgt Ion: 98 Resp: 1470409
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.347 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

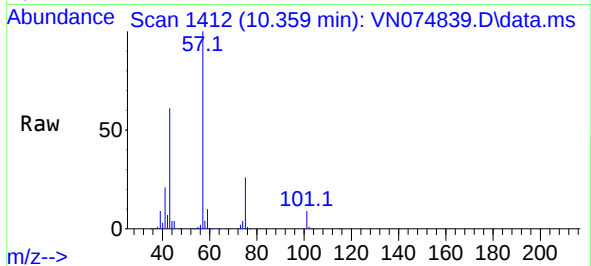
Tgt Ion: 43 Resp: 22953
Ion Ratio Lower Upper
43 100
58 37.0 30.6 45.8



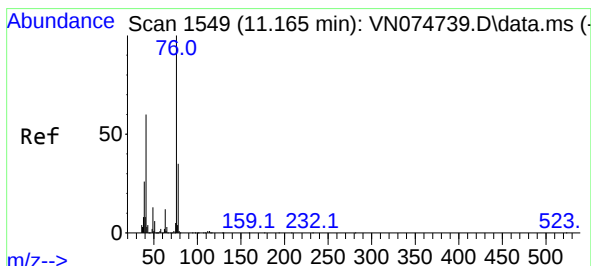
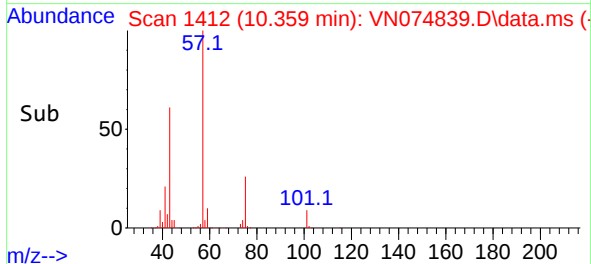
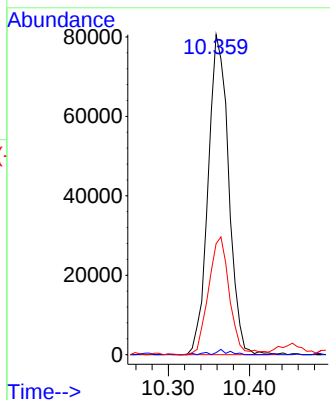


#54
cis-1,3-Dichloropropene
Concen: 9.822 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Instrument :
MSVOA_N
ClientSampleId :

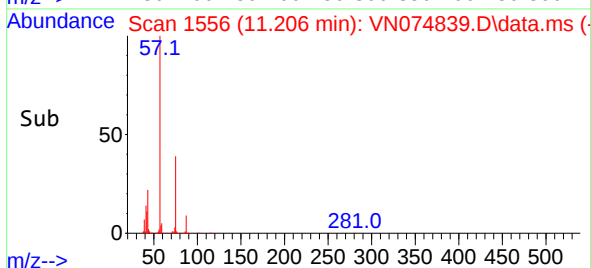
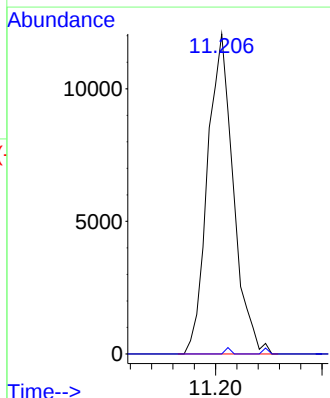
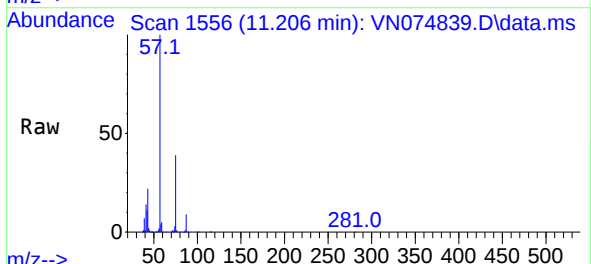


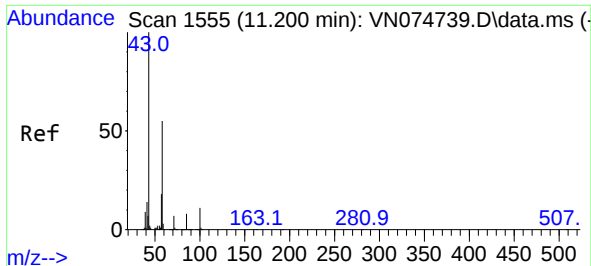
Tgt Ion: 75 Resp: 141713
Ion Ratio Lower Upper
75 100
77 0.6 24.4 36.6#
39 34.7 38.6 57.8#



#57
1,3-Dichloropropane
Concen: 1.351 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Tgt Ion: 76 Resp: 20316
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

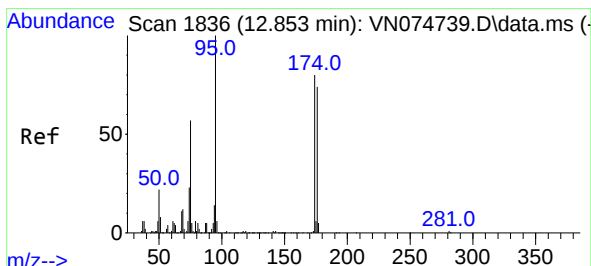
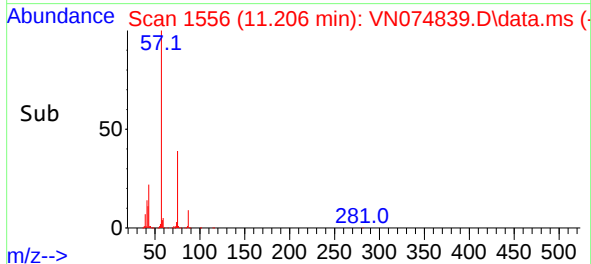
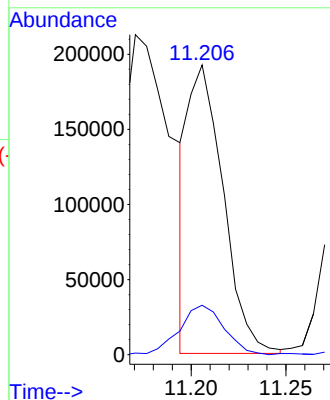
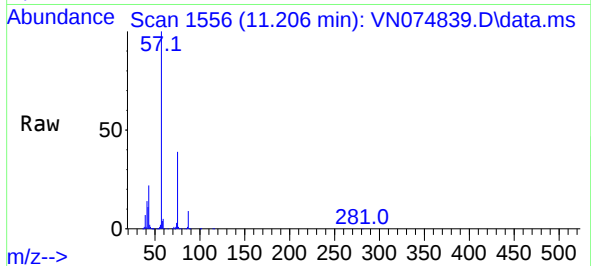




#59
2-Hexanone
Concen: 19.155 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

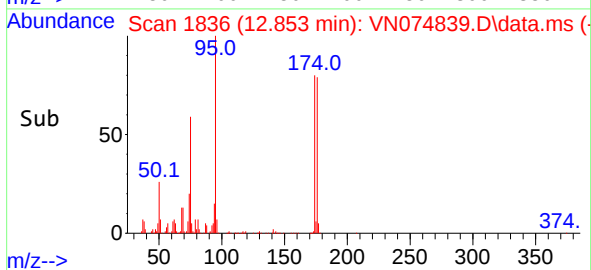
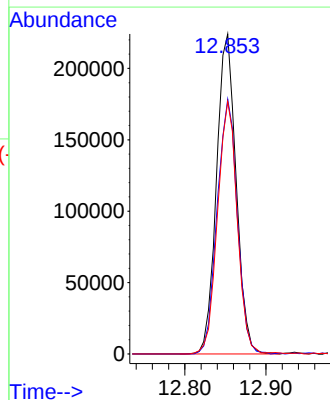
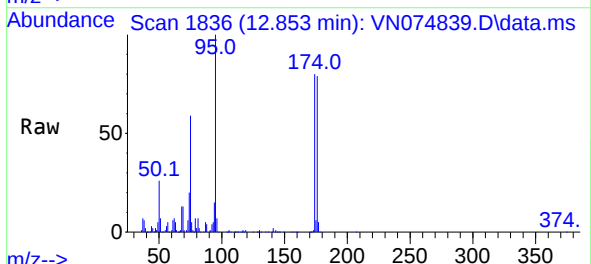
Instrument :
MSVOA_N
ClientSampleId :

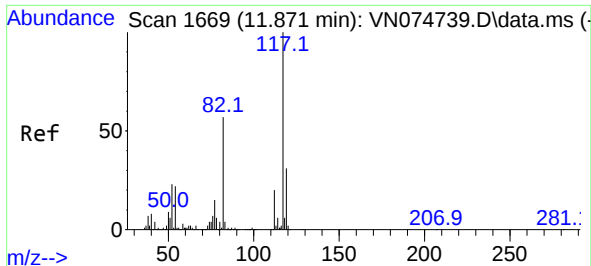
Tgt Ion: 43 Resp: 246835
Ion Ratio Lower Upper
43 100
58 21.9 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 43.722 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Tgt Ion: 95 Resp: 376058
Ion Ratio Lower Upper
95 100
174 81.7 0.0 149.4
176 79.2 0.0 142.0

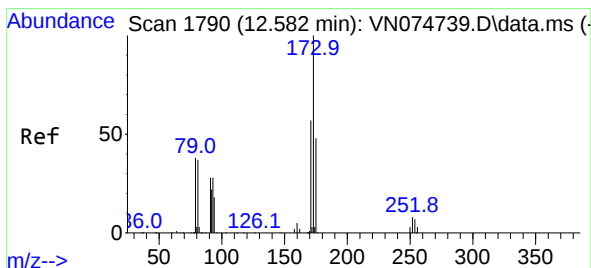
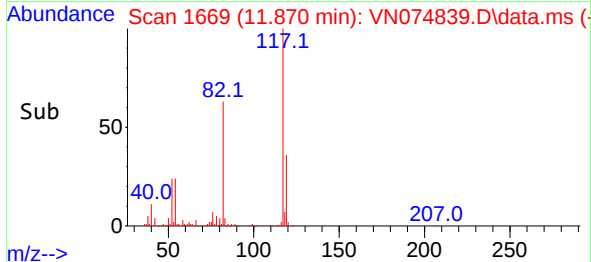
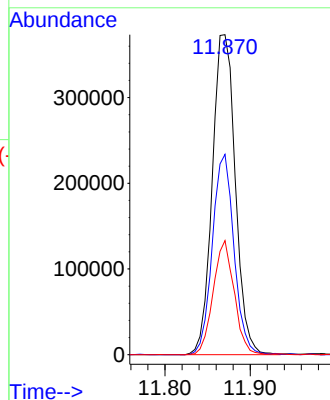
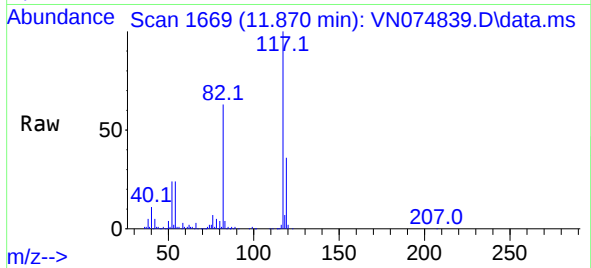




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

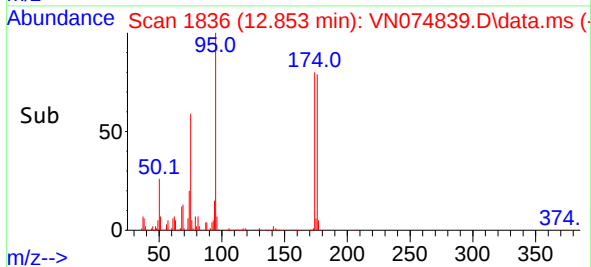
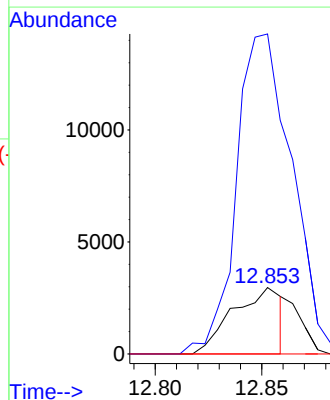
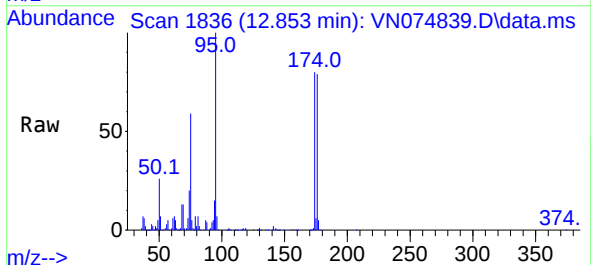
Instrument :
MSVOA_N
ClientSampleId :

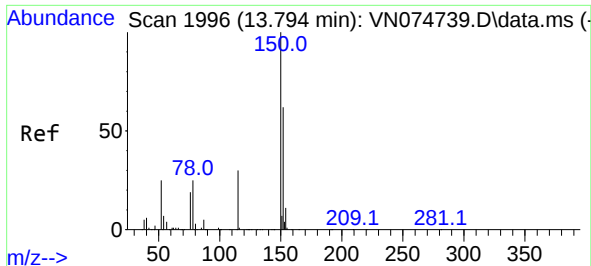
Tgt Ion:117 Resp: 701882
Ion Ratio Lower Upper
117 100
82 62.6 45.4 68.2
119 35.6 25.1 37.7



#71
Bromoform
Concen: 0.790 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

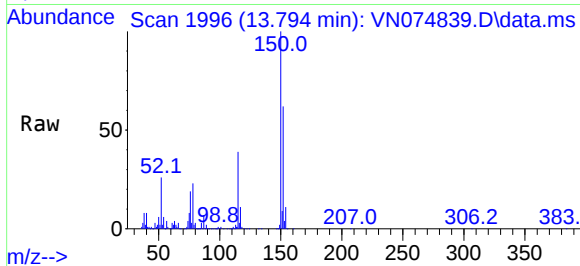
Tgt Ion:173 Resp: 4731
Ion Ratio Lower Upper
173 100
175 427.2 23.9 71.7#
254 0.0 0.1 0.1#



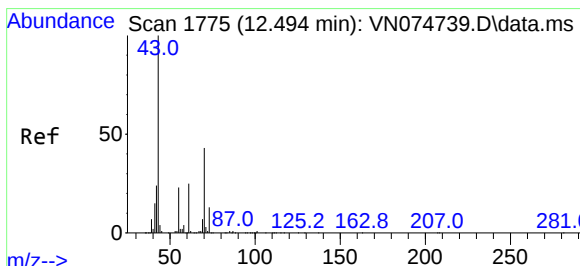
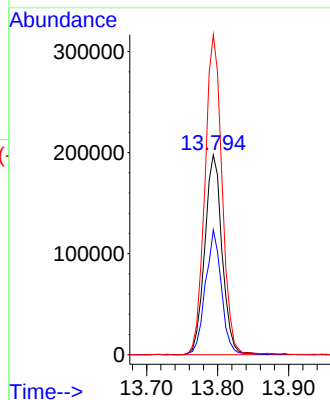
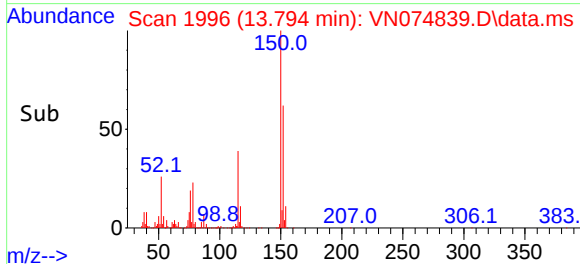


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

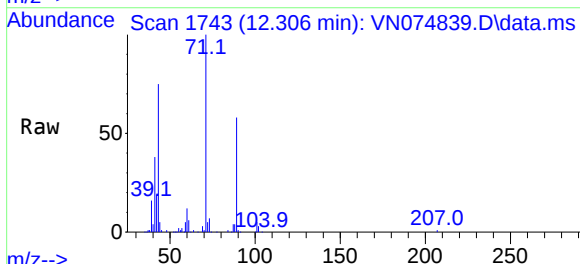
Instrument :
MSVOA_N
ClientSampleId :



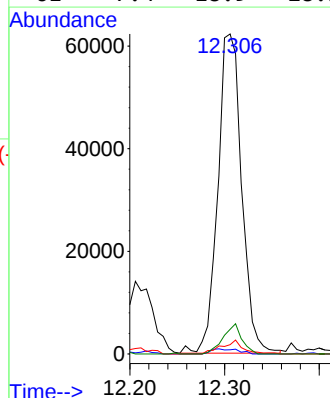
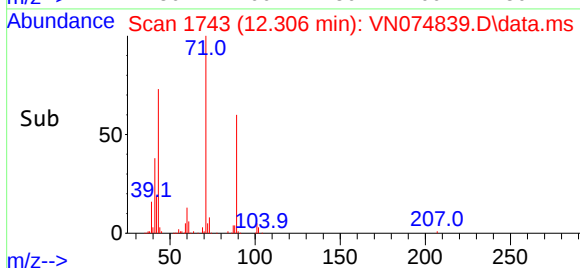
Tgt Ion:152 Resp: 336923
Ion Ratio Lower Upper
152 100
115 57.8 30.0 90.0
150 157.5 0.0 356.4

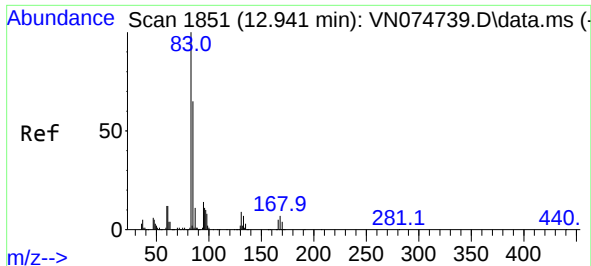


#74
N-ethyl acetate
Concen: 5.558 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13



Tgt Ion: 43 Resp: 108953
Ion Ratio Lower Upper
43 100
70 1.8 32.9 49.3#
55 4.0 17.8 26.6#
61 7.4 18.9 28.3#

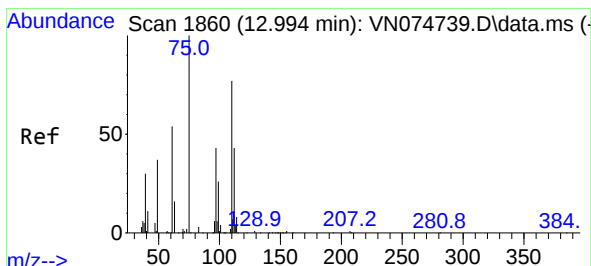
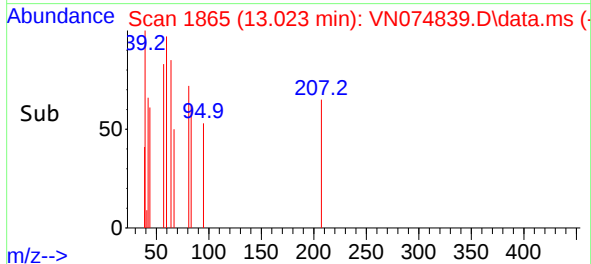
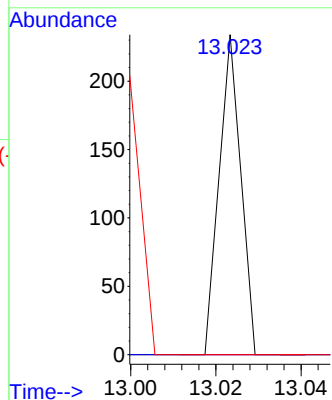
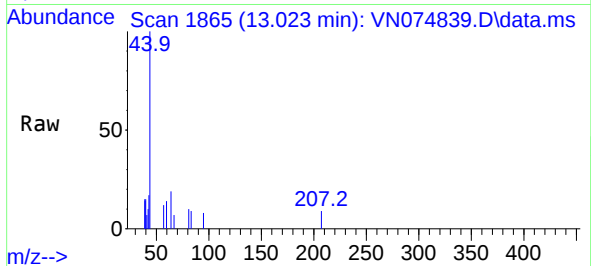




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 13.023 min Scan# 1865
Delta R.T. 0.082 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

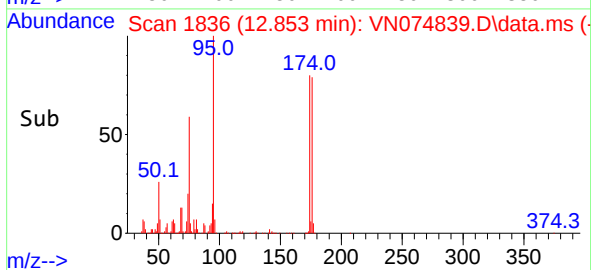
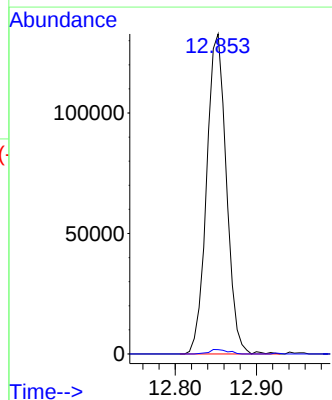
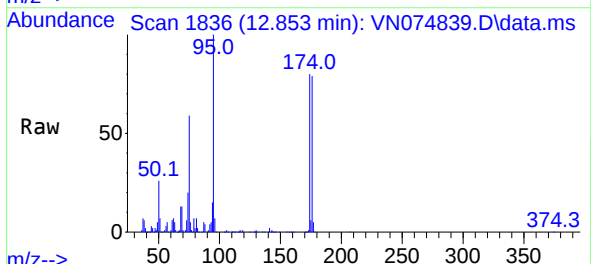
Instrument :
MSVOA_N
ClientSampleId :

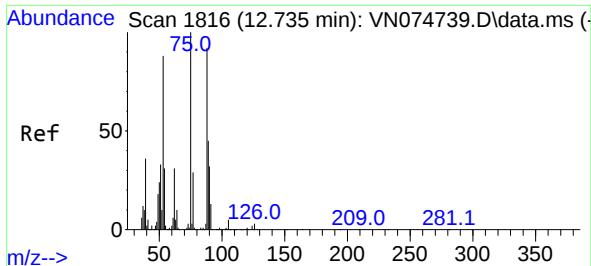
Tgt Ion: 83 Resp: 83
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 22.268 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

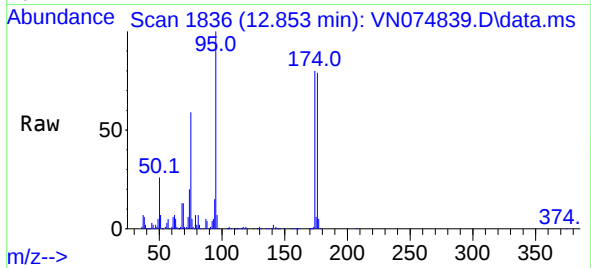
Tgt Ion: 75 Resp: 223929
Ion Ratio Lower Upper
75 100
77 1.3 76.9 230.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 43.386 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN074839.D
Acq: 10 Oct 2022 18:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 223929
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.0 32.1 48.1#

