

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074831.D
 Acq On : 10 Oct 2022 15:00
 Operator : JC\MD
 Sample : N5009-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:24:36 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)

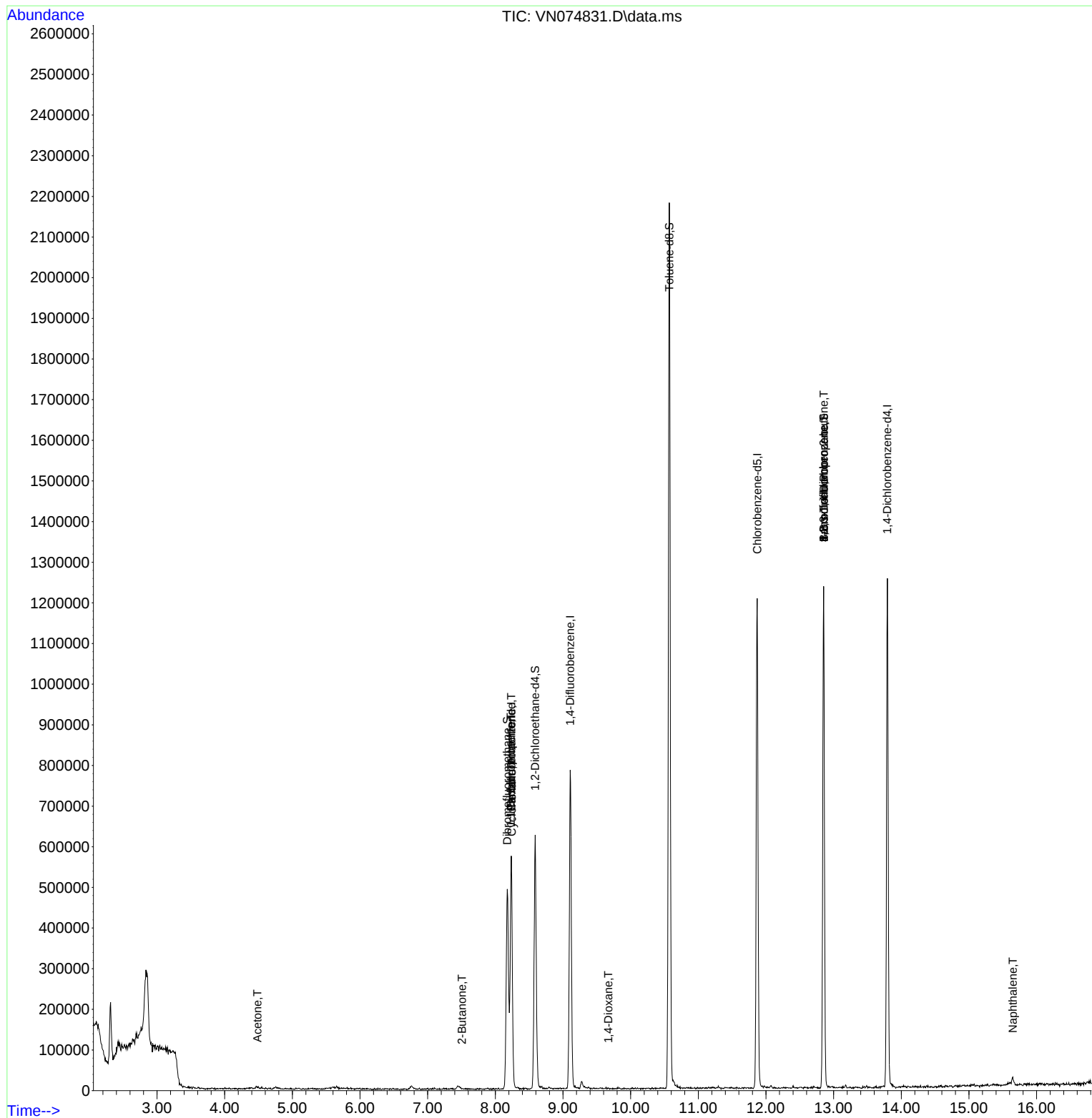
Internal Standards						
1) Pentafluorobenzene	8.235	168	398778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	662992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	681978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	307175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	433450	45.874	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.740%
35) Dibromofluoromethane	8.177	113	347834	51.927	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.860%
50) Toluene-d8	10.571	98	1483959	51.629	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.260%
62) 4-Bromofluorobenzene	12.853	95	370791	42.437	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.880%
Target Compounds						
					Qvalue	
13) Acrolein	4.253	56	128	Below Cal	#	1
16) Acetone	4.483	43	8554	1.598	ug/l	98
20) Methylene Chloride	5.294	84	187	Below Cal	#	39
25) 2-Butanone	7.506	43	2098	0.216	ug/l	# 48
31) Cyclohexane	8.241	56	10779	0.660	ug/l	# 46
36) 1,1-Dichloropropene	8.229	75	36623	3.378	ug/l	# 48
38) Carbon Tetrachloride	8.235	117	43086	4.214	ug/l	# 18
49) 1,4-Dioxane	9.671	88	56	0.234	ug/l	# 1
71) Bromoform	12.853	173	3374	0.580	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.941	83	276	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	220471	24.047	ug/l	# 1
77) Bromobenzene	12.982	156	61	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	220471	46.852	ug/l	# 14
95) Naphthalene	15.647	128	14872	0.697	ug/l	# 79
96) 1,2,3-Trichlorobenzene	15.847	180	1134	Below Cal	#	56

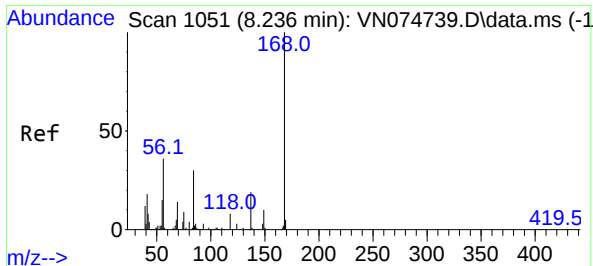
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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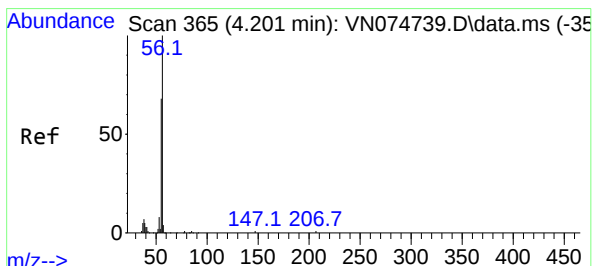
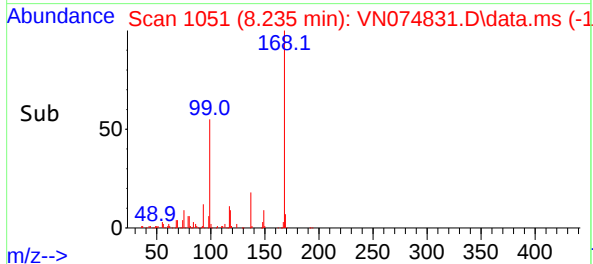
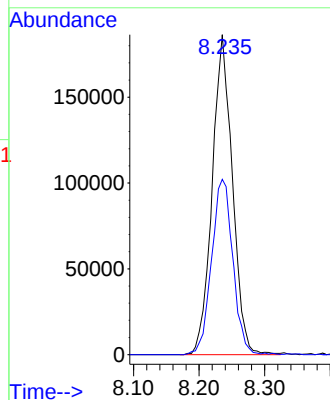
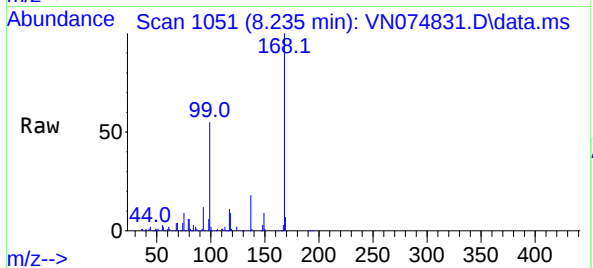




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.001 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

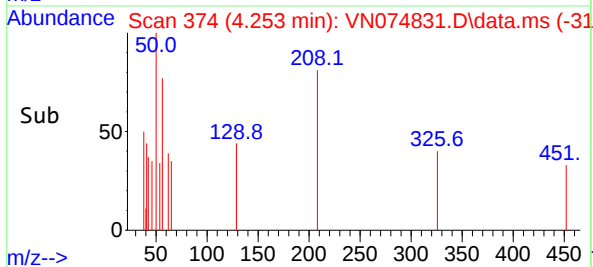
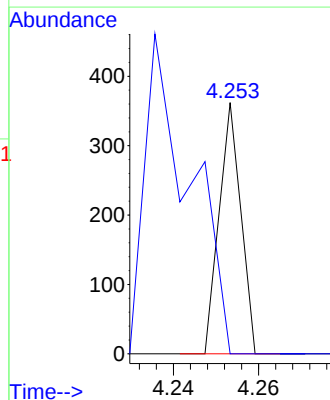
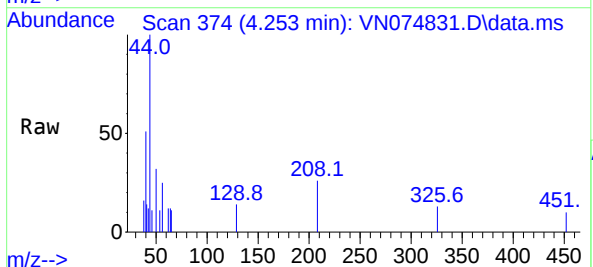
Instrument :
MSVOA_N
ClientSampleId :

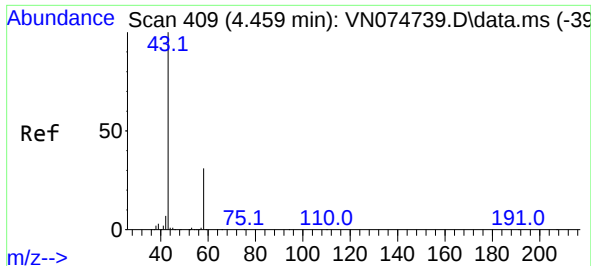
Tgt Ion:168 Resp: 398778
Ion Ratio Lower Upper
168 100
99 54.8 42.8 64.2



#13
Acrolein
Concen: Below Cal
RT: 4.253 min Scan# 374
Delta R.T. 0.052 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 264.1 54.9 82.3#

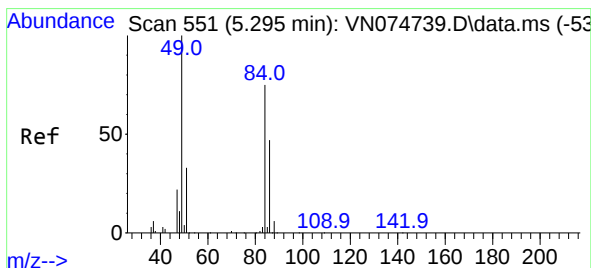
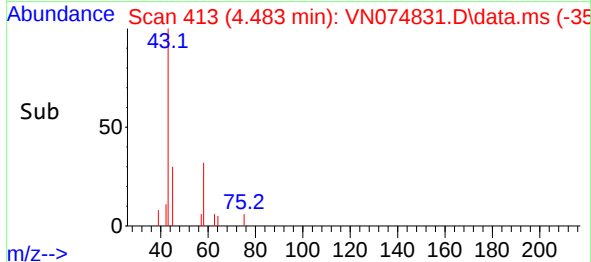
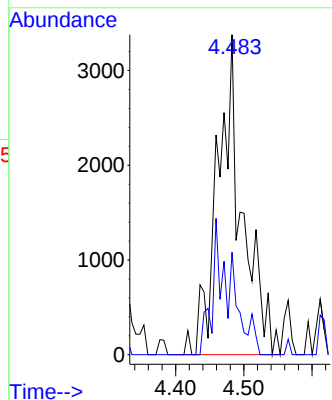
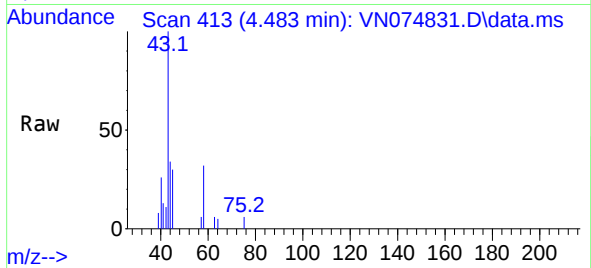




#16
Acetone
Concen: 1.598 ug/l
RT: 4.483 min Scan# 413
Delta R.T. 0.023 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

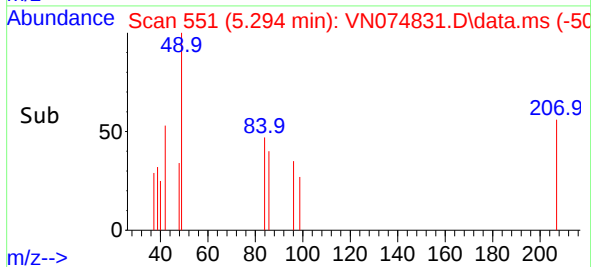
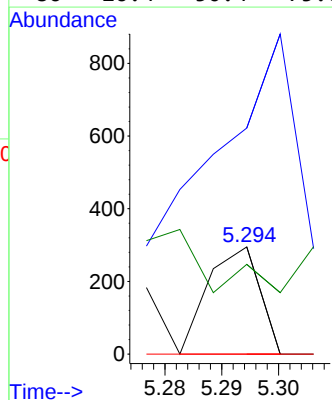
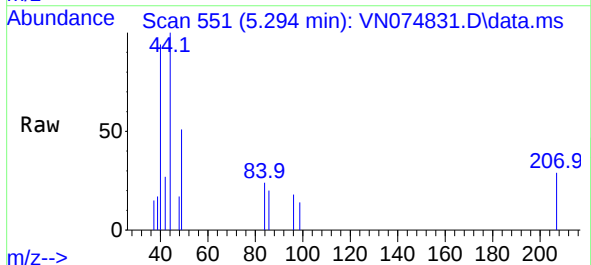
Instrument :
MSVOA_N
ClientSampleId :

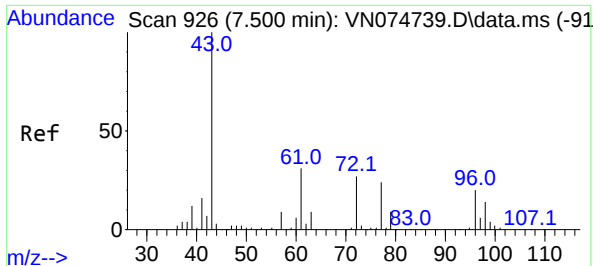
Tgt Ion: 43 Resp: 8554
Ion Ratio Lower Upper
43 100
58 32.0 24.9 37.3



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 551
Delta R.T. -0.001 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Tgt Ion: 84 Resp: 187
Ion Ratio Lower Upper
84 100
49 57.3 107.4 161.0#
51 0.0 35.1 52.7#
86 26.4 50.4 75.6#

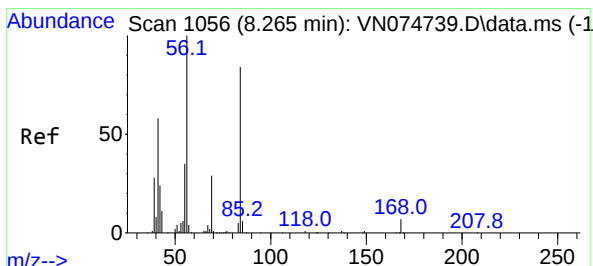
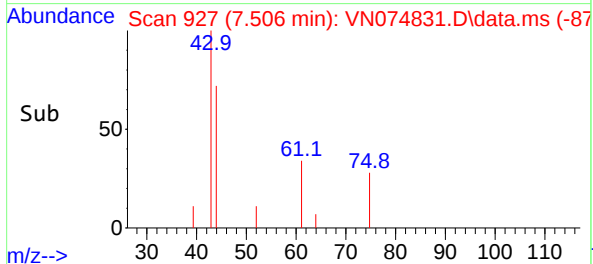
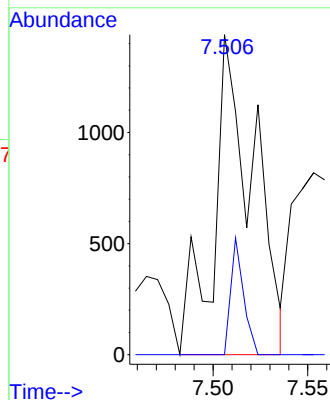
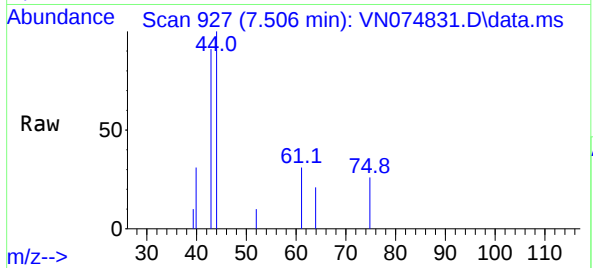




#25
2-Butanone
Concen: 0.216 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

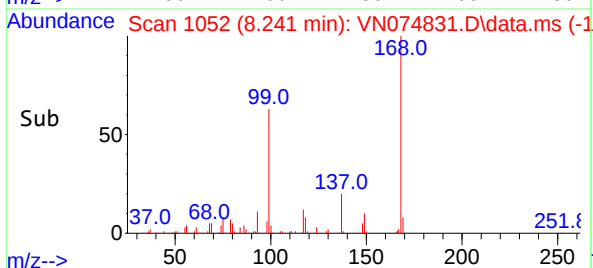
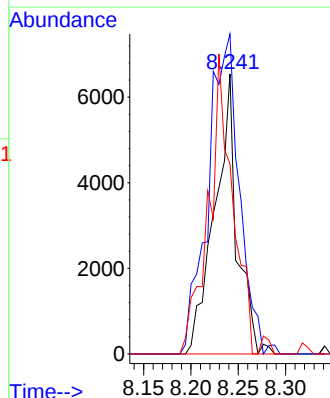
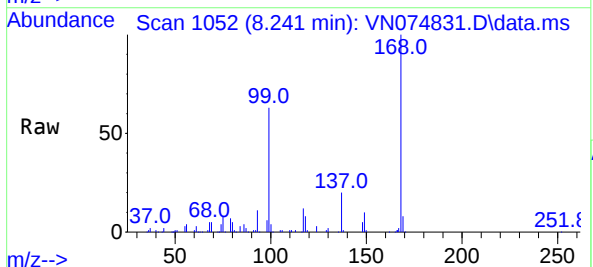
Instrument :
MSVOA_N
ClientSampleId :

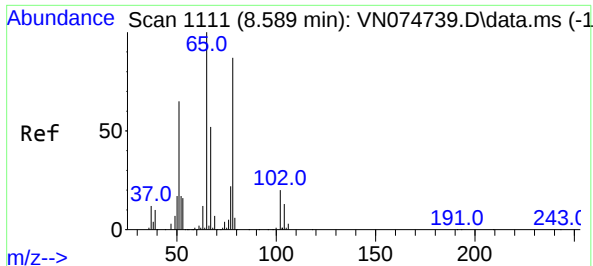
Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#31
Cyclohexane
Concen: 0.660 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.024 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Tgt Ion: 56 Resp: 10779
Ion Ratio Lower Upper
56 100
69 114.3 23.1 34.7#
84 67.9 67.1 100.7

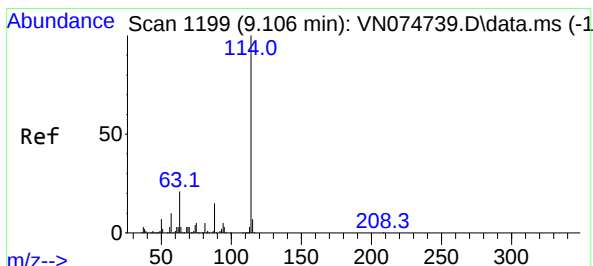
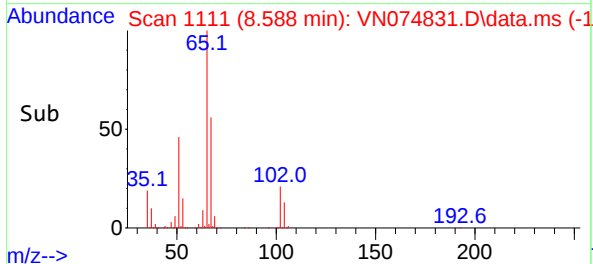
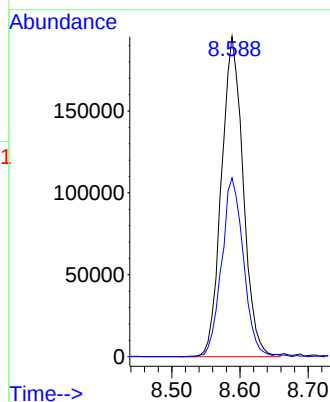
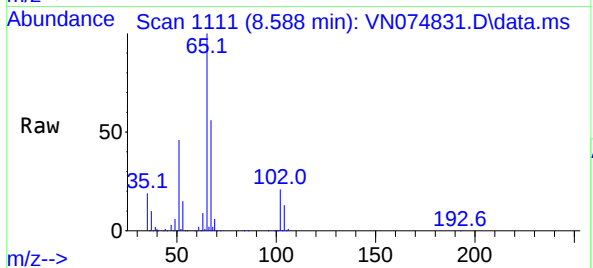




#33
1,2-Dichloroethane-d4
Concen: 45.874 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

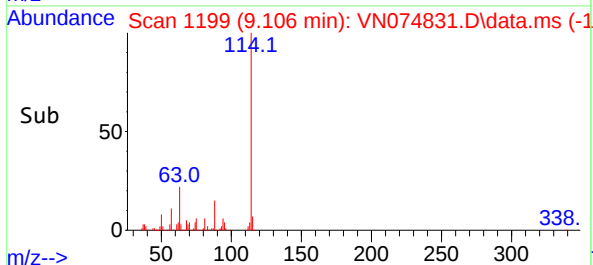
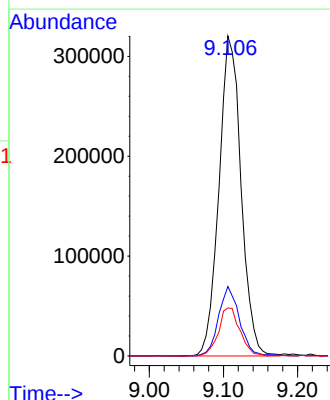
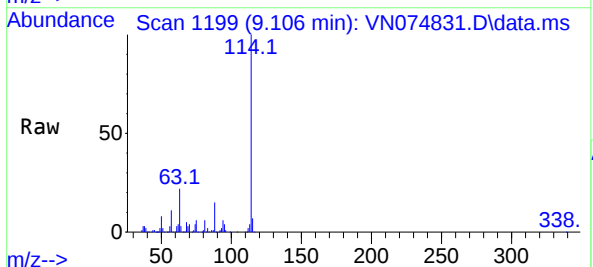
Instrument :
MSVOA_N
ClientSampleId :

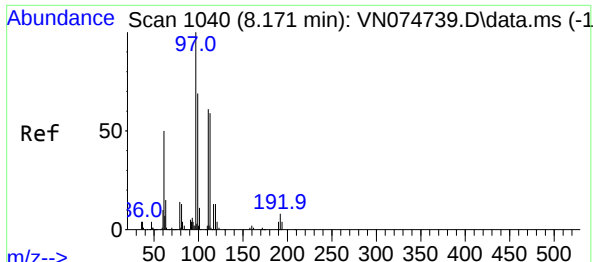
Tgt Ion: 65 Resp: 433450
Ion Ratio Lower Upper
65 100
67 56.2 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

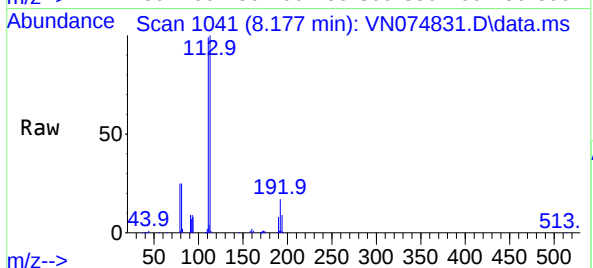
Tgt Ion: 114 Resp: 662992
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.2
88 15.0 0.0 30.2



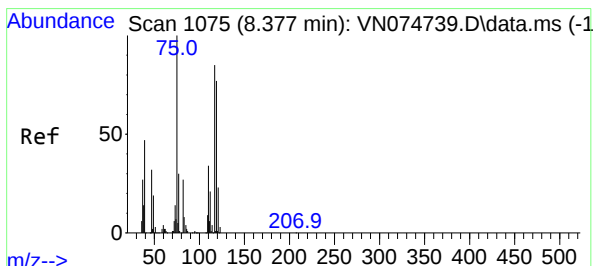
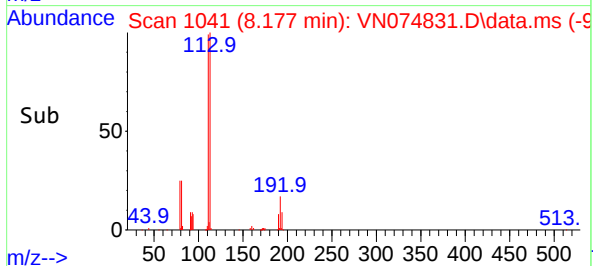
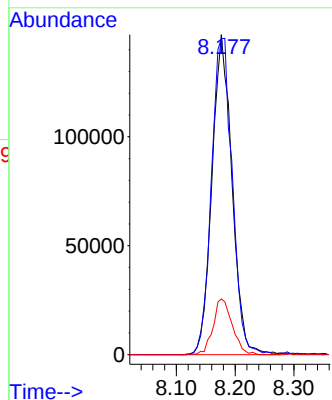


#35
Dibromofluoromethane
Concen: 51.927 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Instrument :
MSVOA_N
ClientSampleId :

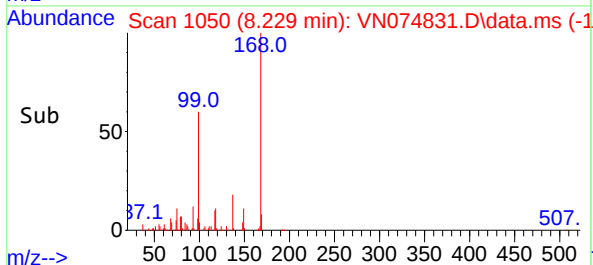
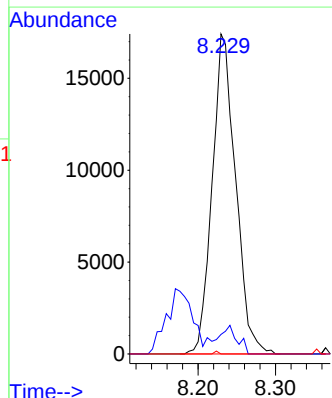
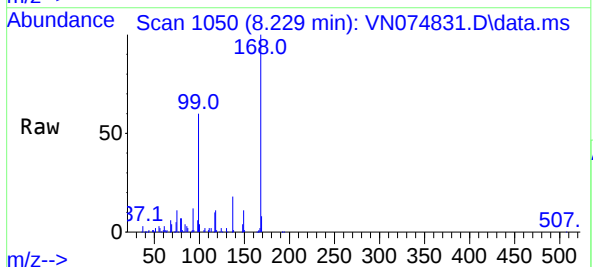


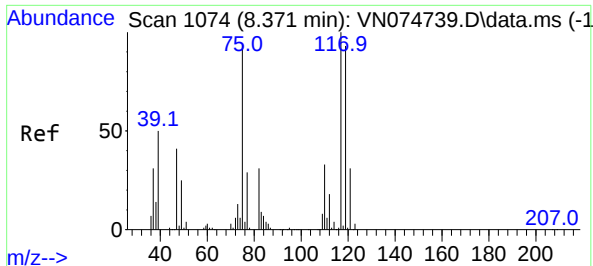
Tgt Ion:113 Resp: 347834
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.6
192 16.7 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.378 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

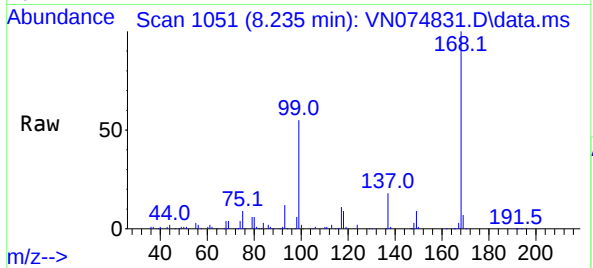
Tgt Ion: 75 Resp: 36623
Ion Ratio Lower Upper
75 100
110 6.6 17.2 51.5#
77 0.2 24.3 36.5#



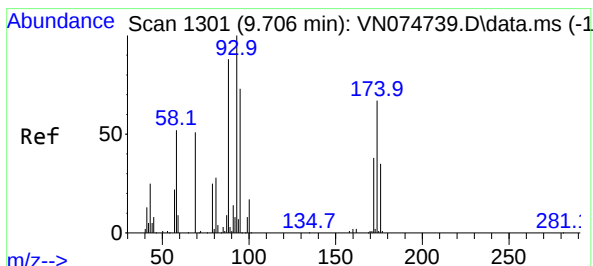
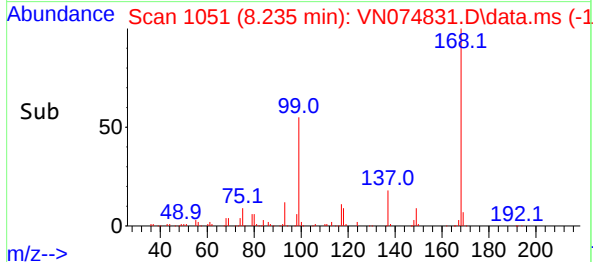
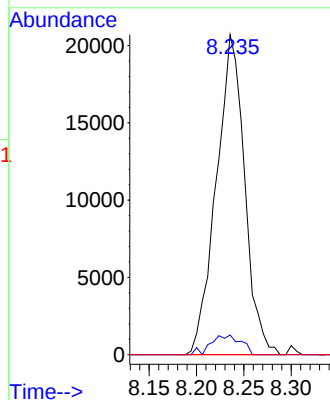


#38
Carbon Tetrachloride
Concen: 4.214 ug/l
RT: 8.235 min Scan# 117
Delta R.T. -0.136 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Instrument :
MSVOA_N
ClientSampleId :

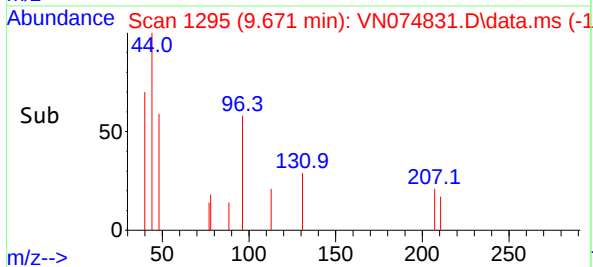
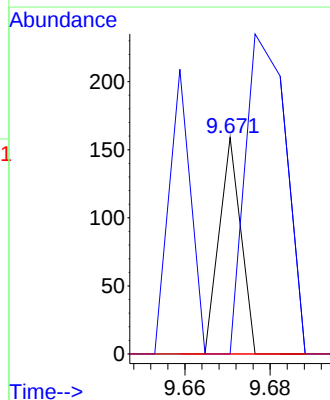
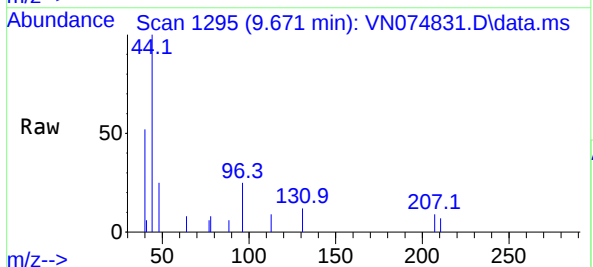


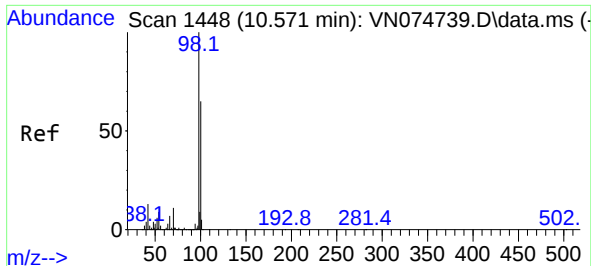
Tgt Ion:117 Resp: 43086
Ion Ratio Lower Upper
117 100
119 6.2 74.3 111.5#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 0.234 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.036 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 276.8 23.4 35.2#
58 0.0 54.9 82.3#

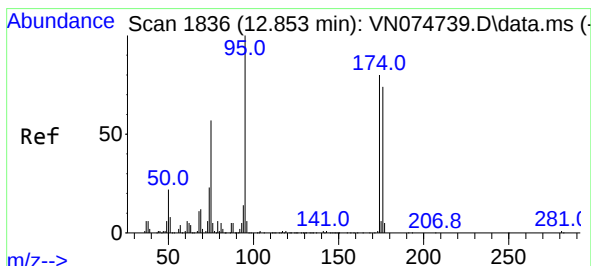
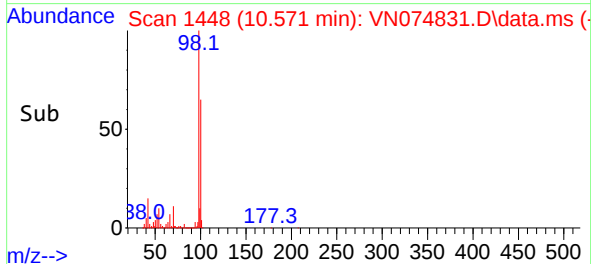
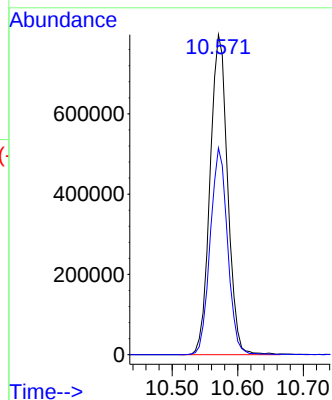
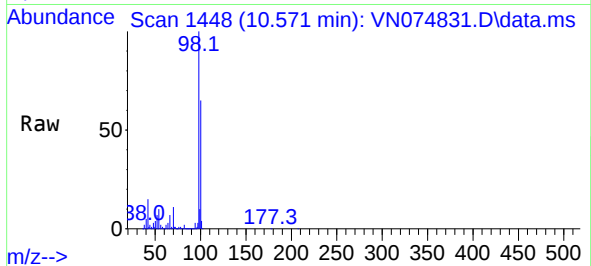




#50
Toluene-d8
Concen: 51.629 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

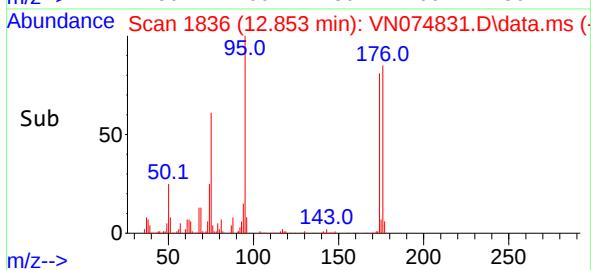
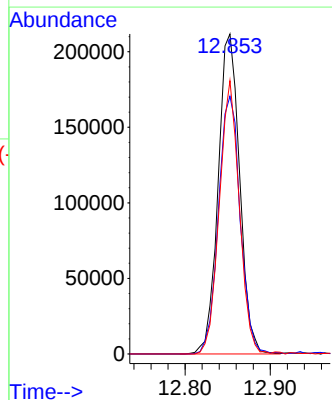
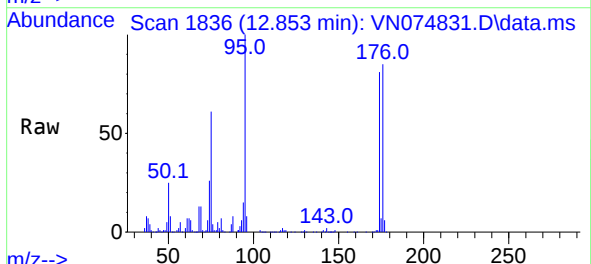
Instrument :
MSVOA_N
ClientSampleId :

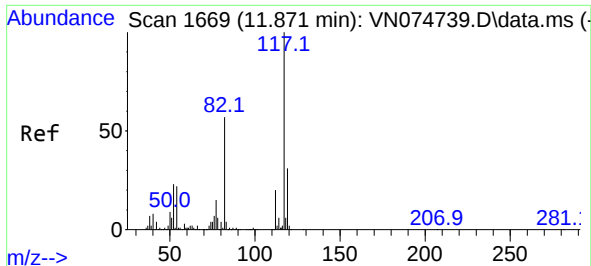
Tgt Ion: 98 Resp: 1483959
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 42.437 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

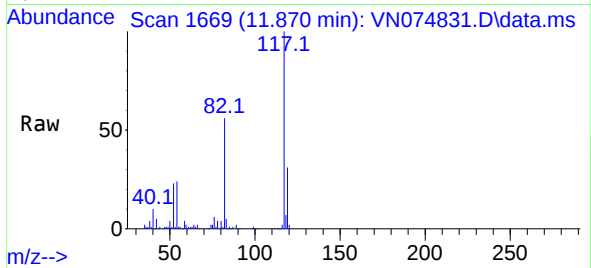
Tgt Ion: 95 Resp: 370791
Ion Ratio Lower Upper
95 100
174 82.0 0.0 149.4
176 79.3 0.0 142.0



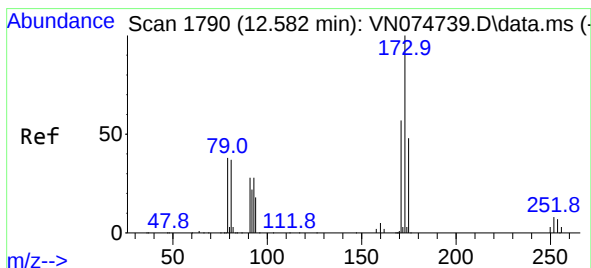
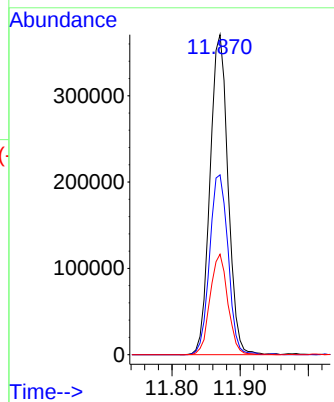
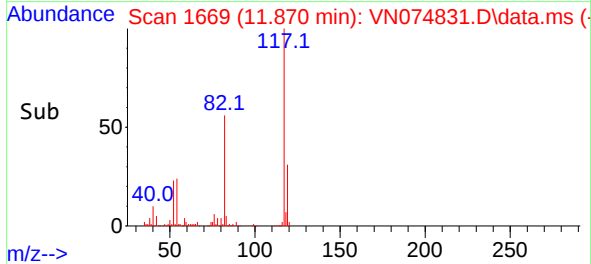


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Instrument :
MSVOA_N
ClientSampleId :

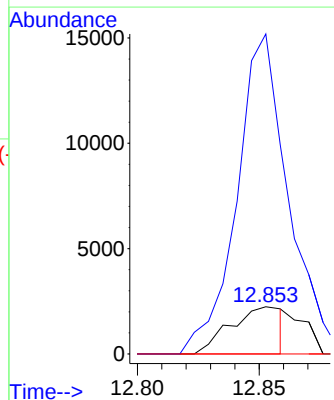
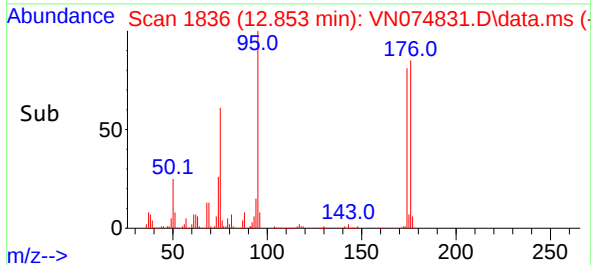
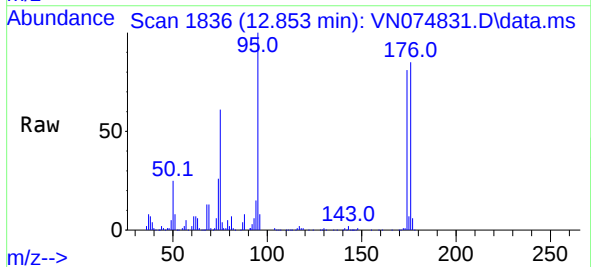


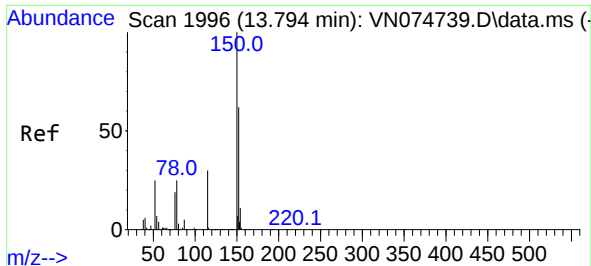
Tgt Ion:117 Resp: 681978
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.2
119 31.4 25.1 37.7



#71
Bromoform
Concen: 0.580 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Tgt Ion:173 Resp: 3374
Ion Ratio Lower Upper
173 100
175 546.1 23.9 71.7#
254 0.0 0.1 0.1#

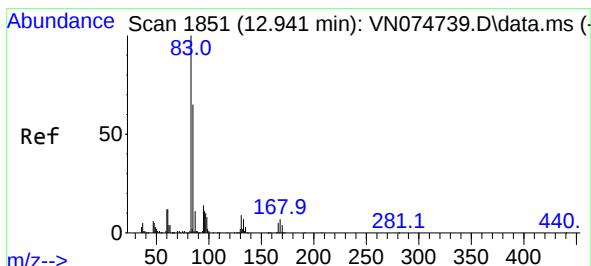
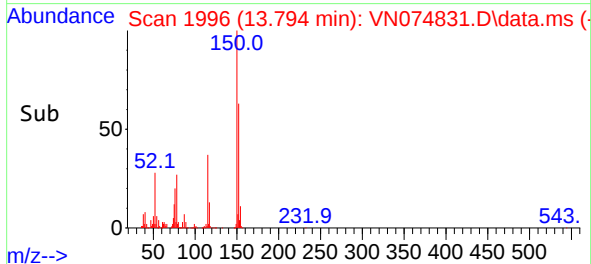
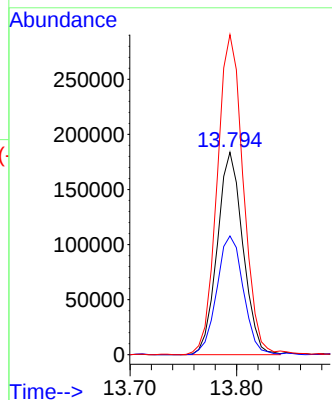
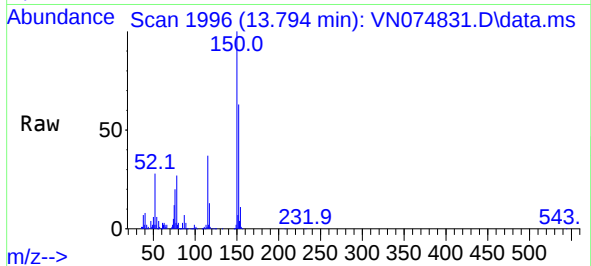




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

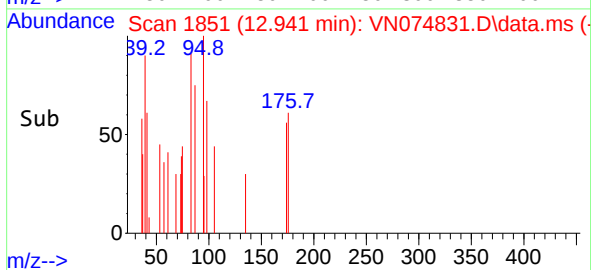
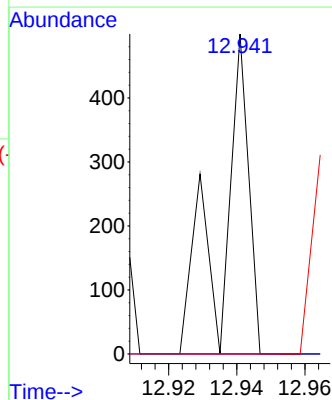
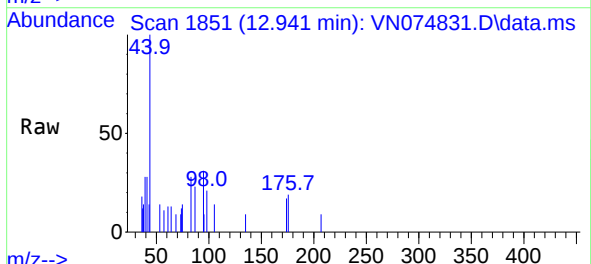
Instrument :
MSVOA_N
ClientSampleId :

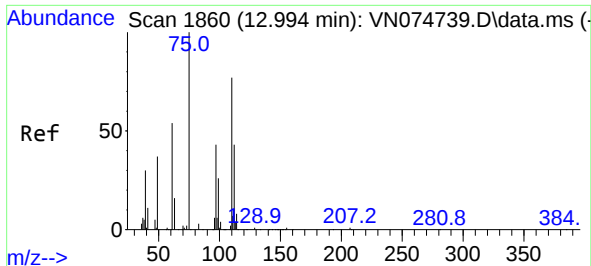
Tgt Ion:152 Resp: 307175
Ion Ratio Lower Upper
152 100
115 60.9 30.0 90.0
150 161.7 0.0 356.4



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Tgt Ion: 83 Resp: 276
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#

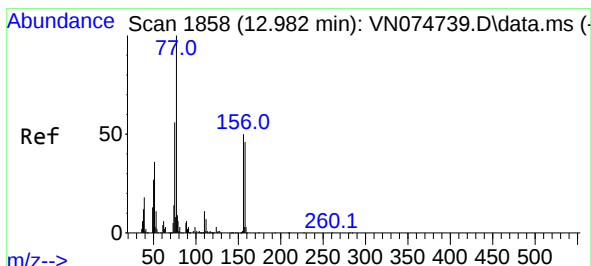
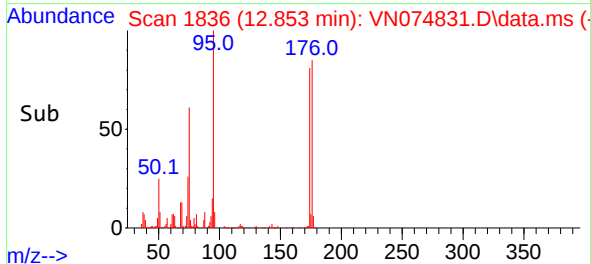
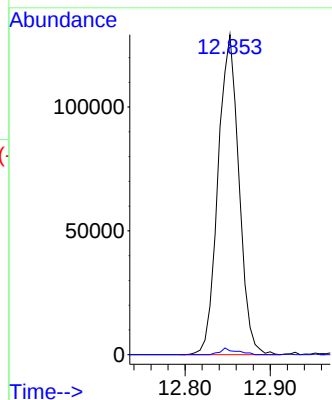
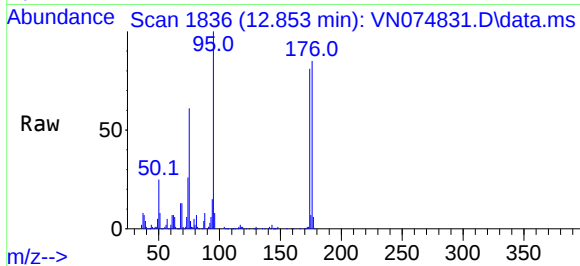




#76
1,2,3-Trichloropropane
Concen: 24.047 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

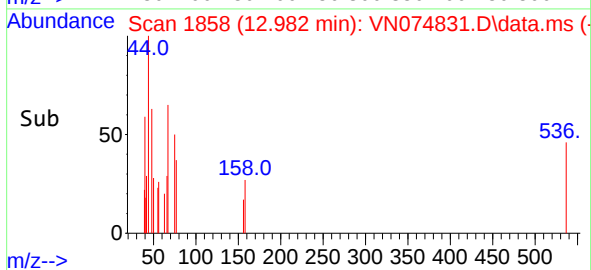
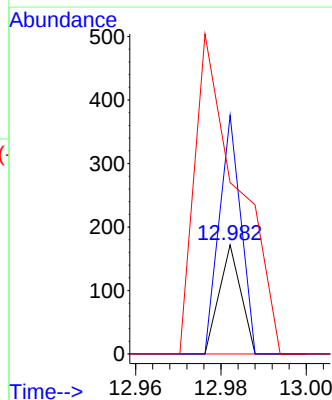
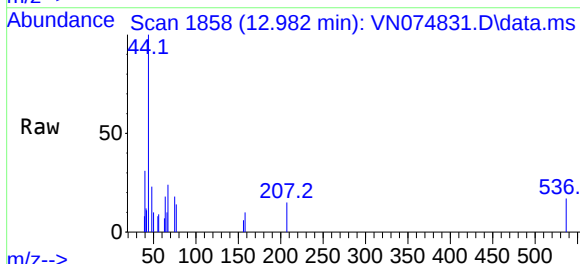
Instrument :
MSVOA_N
ClientSampleId :

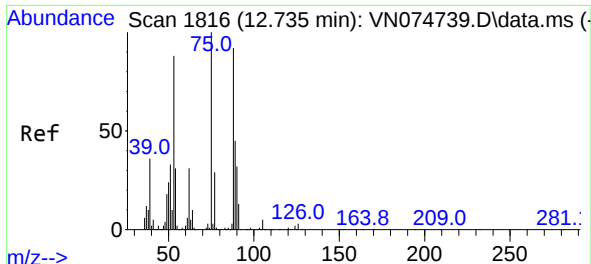
Tgt Ion: 75 Resp: 220471
Ion Ratio Lower Upper
75 100
77 1.6 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

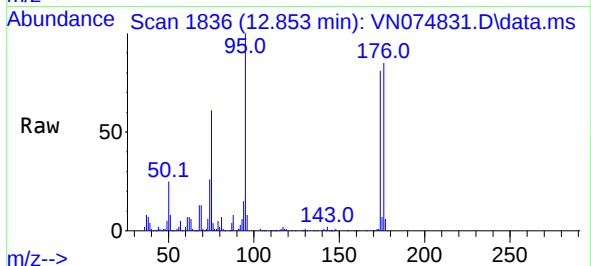
Tgt Ion:156 Resp: 61
Ion Ratio Lower Upper
156 100
77 218.0 124.7 374.1
158 583.6 48.3 144.9#



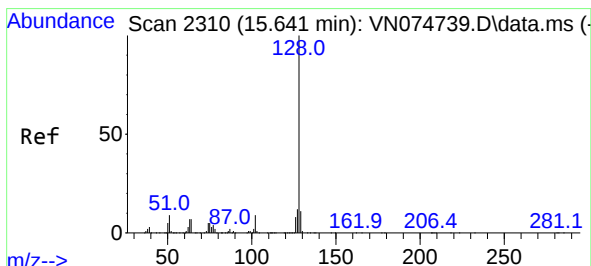
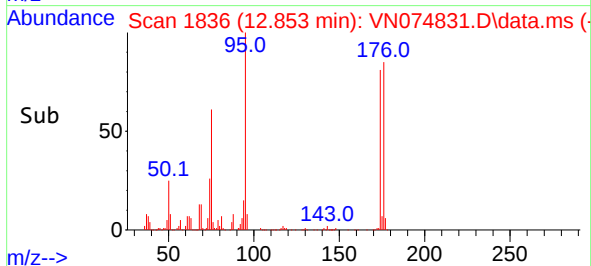
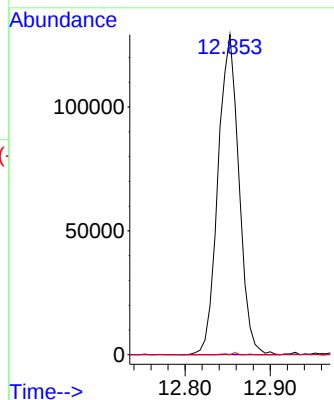


#81
trans-1,4-Dichloro-2-butene
Concen: 46.852 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Instrument :
MSVOA_N
ClientSampleId :

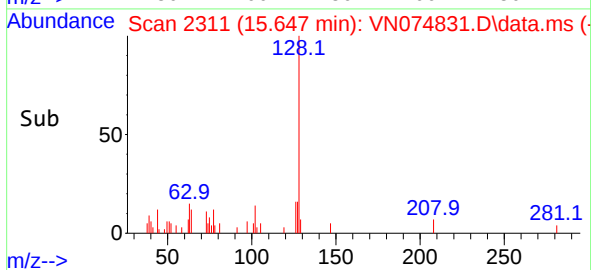
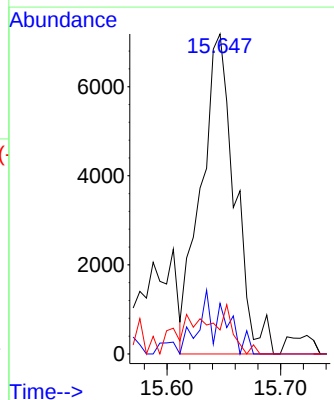
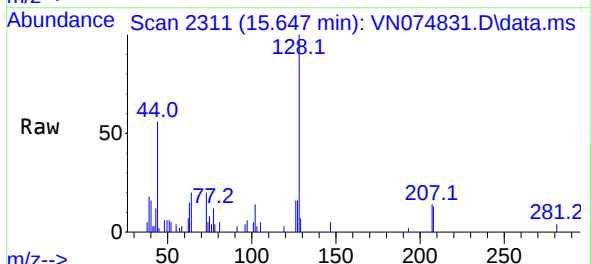


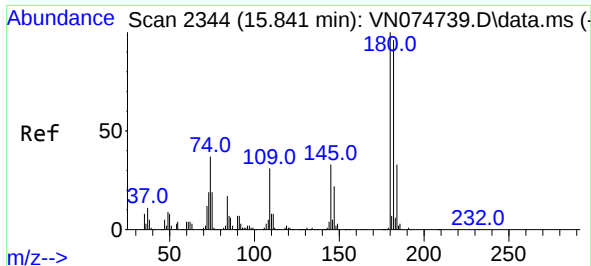
Tgt Ion: 75 Resp: 220471
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.2 32.1 48.1#



#95
Naphthalene
Concen: 0.697 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

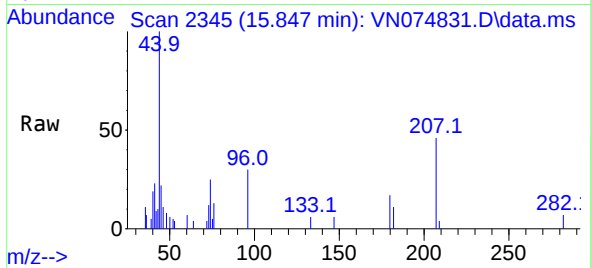
Tgt Ion:128 Resp: 14872
Ion Ratio Lower Upper
128 100
127 7.5 10.2 15.2#
129 0.0 9.0 13.4#





#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.847 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074831.D
Acq: 10 Oct 2022 15:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 1134
Ion Ratio Lower Upper
180 100
182 131.4 47.3 142.0
145 0.0 17.1 51.2#

