

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081128.D
 Acq On : 22 Feb 2024 12:25
 Operator : JC\MD
 Sample : P1549-03
 Misc : 1.15g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 04:21:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

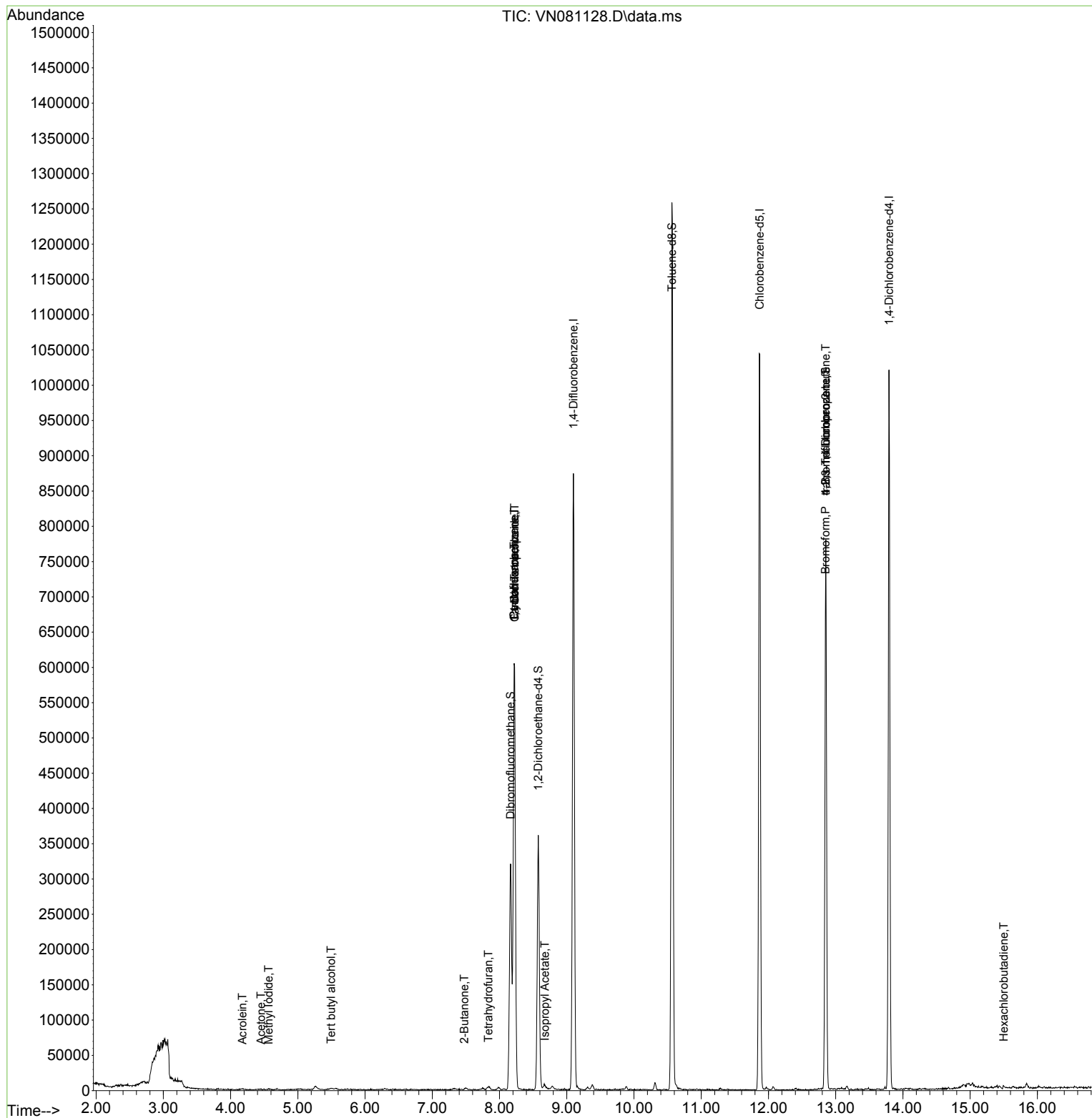
Internal Standards						
1) Pentafluorobenzene	8.218	168	431635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	768322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	615099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	255435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	278379	52.617	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.240%			
35) Dibromofluoromethane	8.165	113	221309	50.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	10.565	98	876223	56.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.560%#			
62) 4-Bromofluorobenzene	12.853	95	266045	45.884	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.760%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1407	Below Cal	#	43
6) Chloroethane	3.065	64	652	Below Cal	#	42
10) Methyl Iodide	4.565	142	2306	0.409	ug/l #	75
11) Tert butyl alcohol	5.494	59	630	0.648	ug/l #	72
13) Acrolein	4.177	56	1551	2.974	ug/l #	42
16) Acetone	4.453	43	782	0.376	ug/l #	80
20) Methylene Chloride	5.259	84	2626	Below Cal	#	70
25) 2-Butanone	7.477	43	1105	0.329	ug/l #	82
29) Tetrahydrofuran	7.835	42	736	0.328	ug/l #	60
31) Cyclohexane	8.218	56	10739	1.176	ug/l #	5
36) 1,1-Dichloropropene	8.224	75	35874	4.820	ug/l #	50
38) Carbon Tetrachloride	8.224	117	47142	6.260	ug/l #	19
43) Isopropyl Acetate	8.677	43	3905	0.332	ug/l #	57
49) 1,4-Dioxane	9.724	88	102	Below Cal	#	30
71) Bromoform	12.847	173	1709	0.563	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	145216	25.021	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	145216	64.403	ug/l #	14
94) Hexachlorobutadiene	15.500	225	434	0.230	ug/l #	45

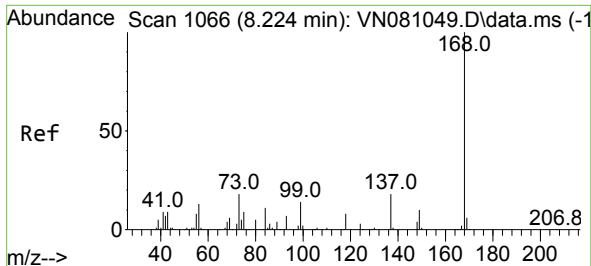
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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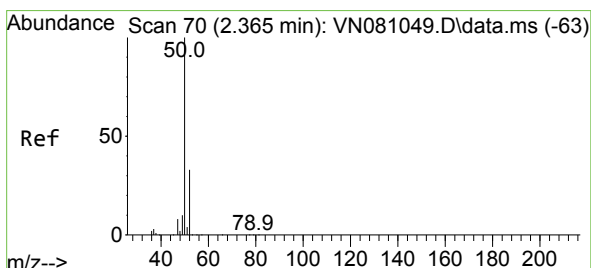
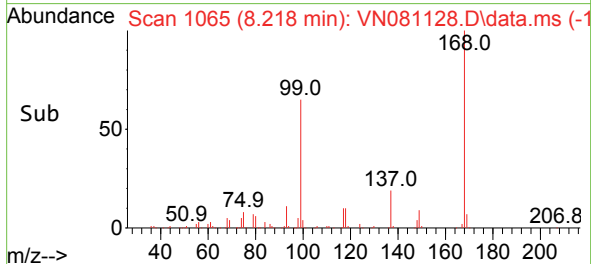
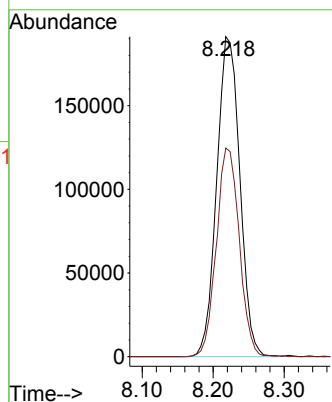
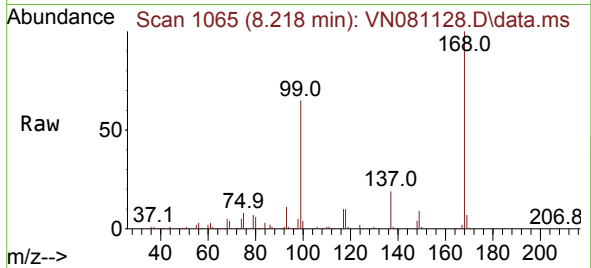




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

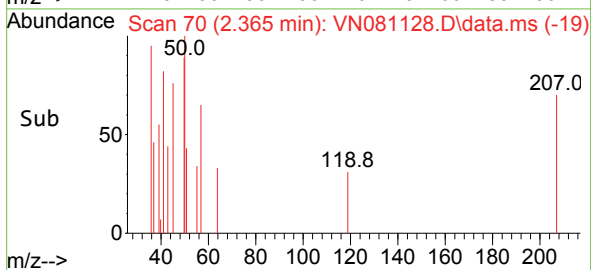
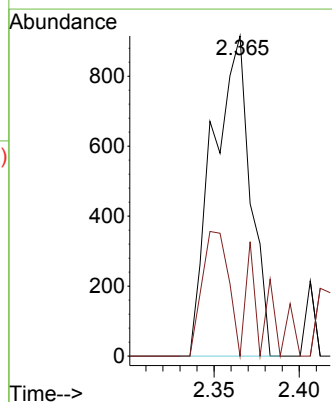
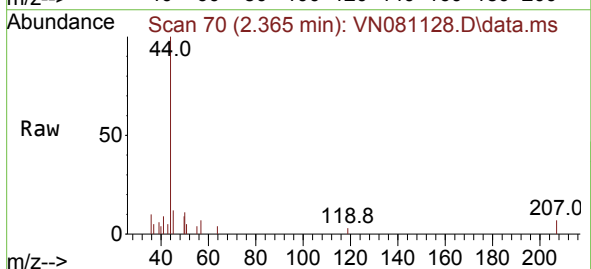
Instrument :
MSVOA_N
ClientSampleId :

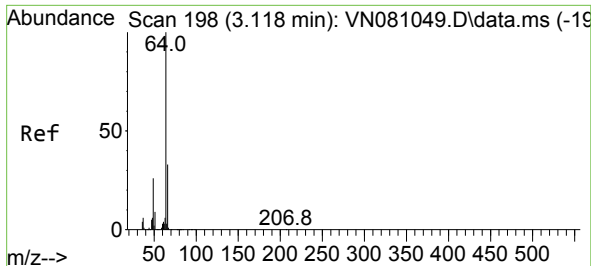
Tgt Ion:168 Resp: 431635
Ion Ratio Lower Upper
168 100
99 65.2 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

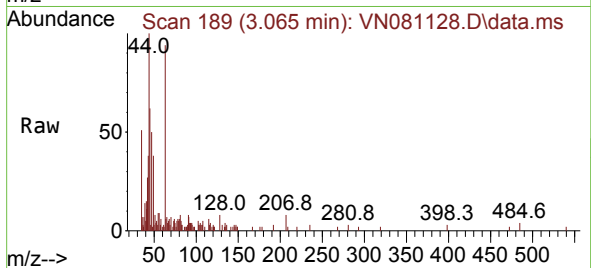
Tgt Ion: 50 Resp: 1407
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



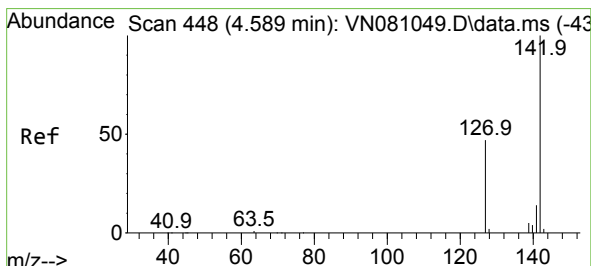
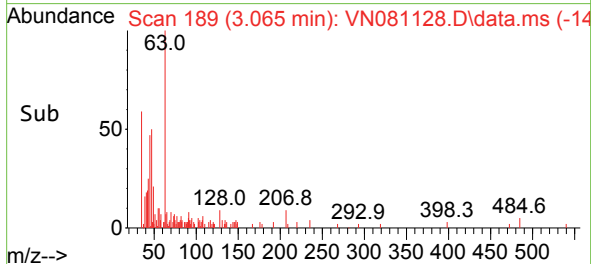
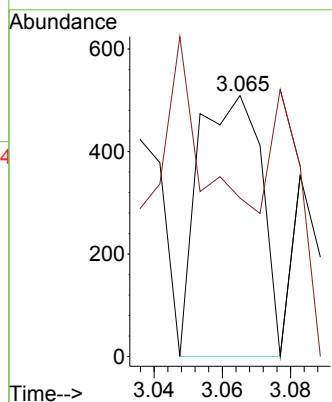


#6
Chloroethane
Concen: Below Cal
RT: 3.065 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :

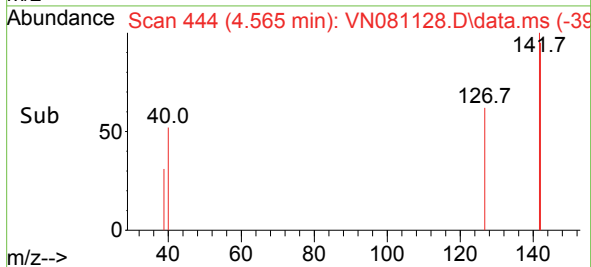
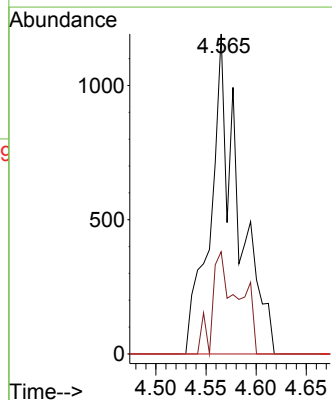
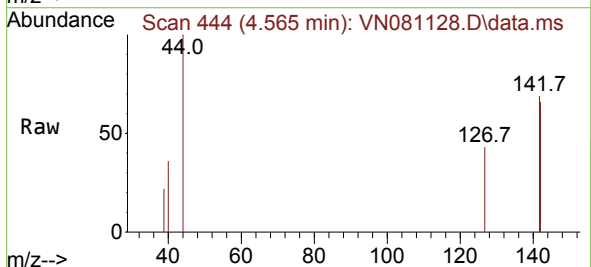


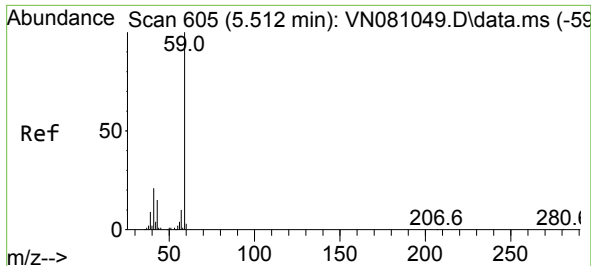
Tgt Ion: 64 Resp: 652
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#10
Methyl Iodide
Concen: 0.409 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.024 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Tgt Ion:142 Resp: 2306
Ion Ratio Lower Upper
142 100
127 32.0 37.0 55.4#
141 0.0 12.5 18.7#

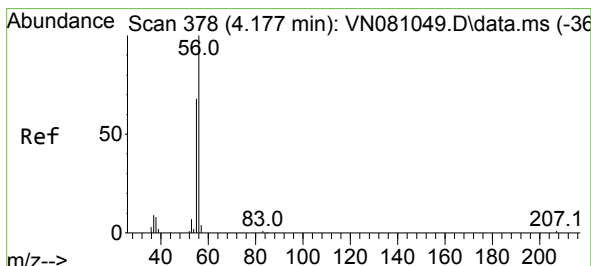
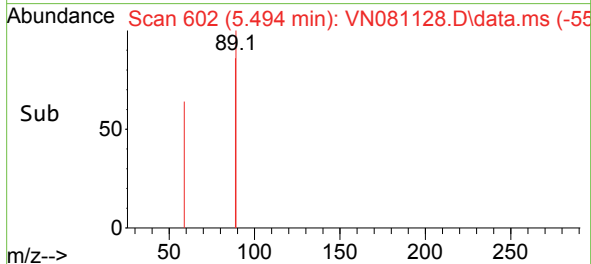
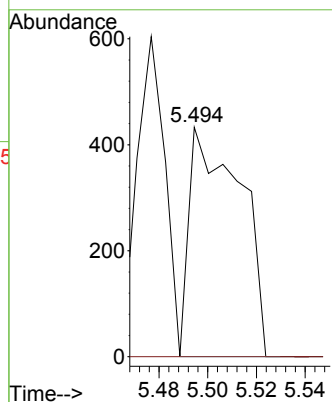
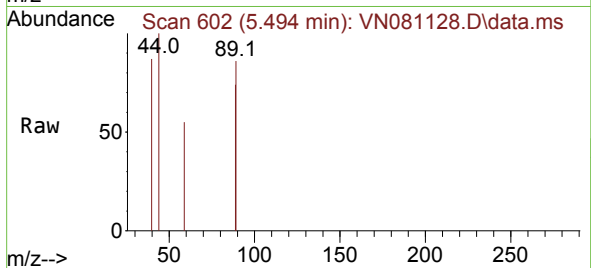




#11
Tert butyl alcohol
Concen: 0.648 ug/l
RT: 5.494 min Scan# 605
Delta R.T. -0.018 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

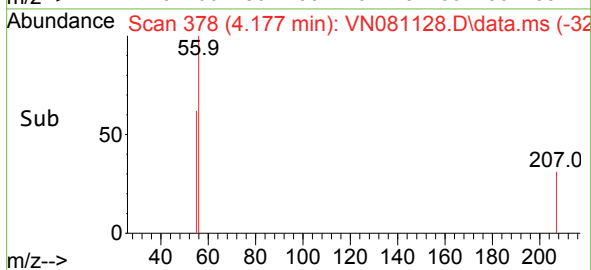
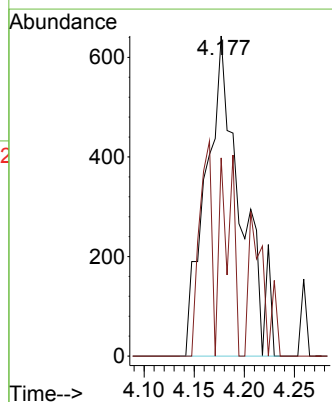
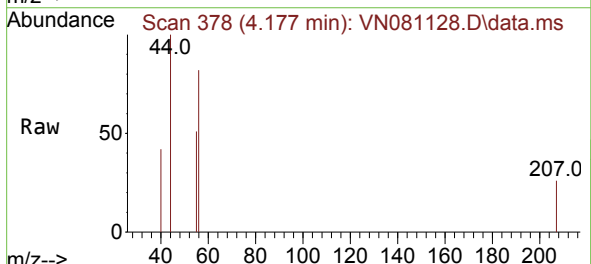
Instrument :
MSVOA_N
ClientSampleId :

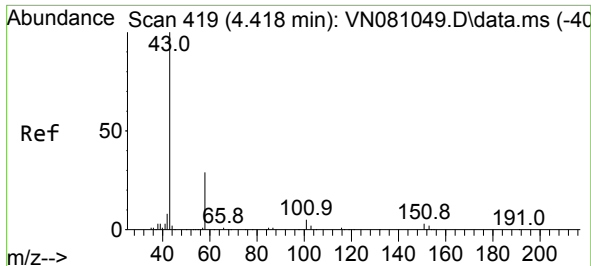
Tgt Ion: 59 Resp: 630
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 2.974 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Tgt Ion: 56 Resp: 1551
Ion Ratio Lower Upper
56 100
55 22.0 55.3 82.9#

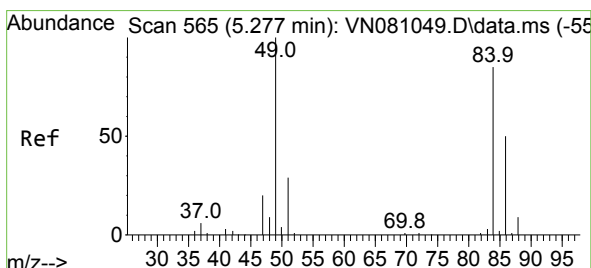
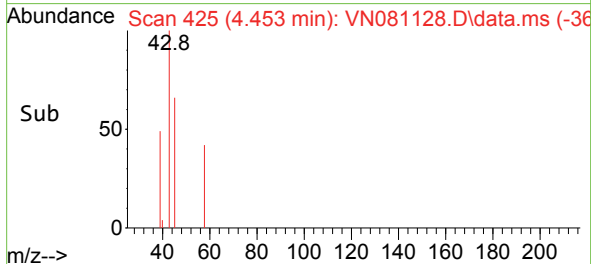
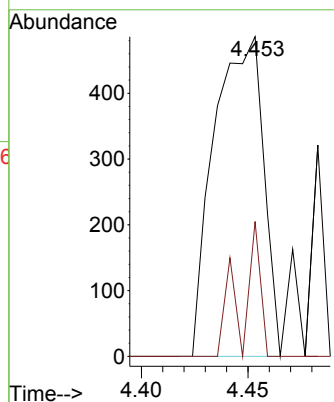
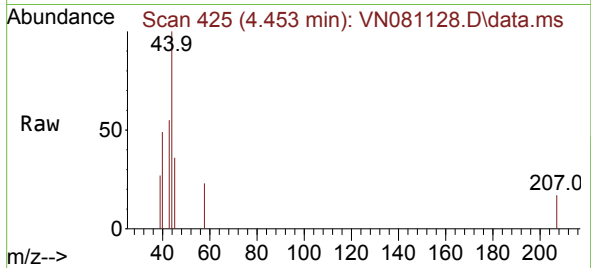




#16
Acetone
Concen: 0.376 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

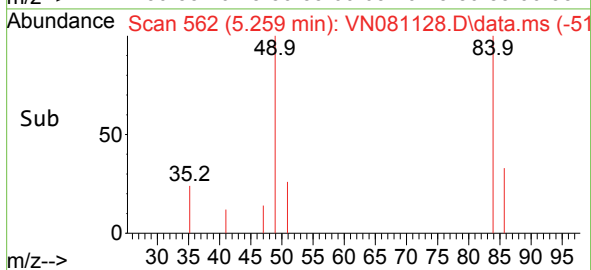
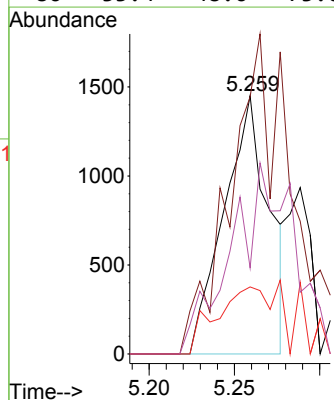
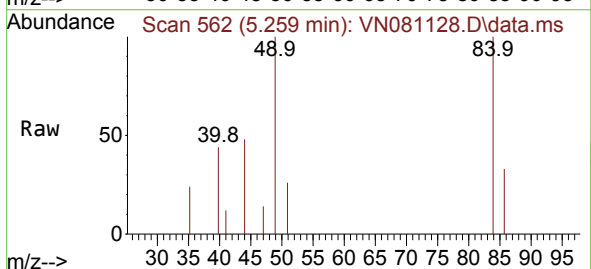
Instrument :
MSVOA_N
ClientSampleId :

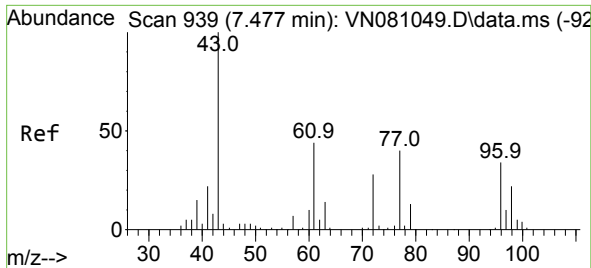
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
58 42.2 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Tgt Ion: 84 Resp: 2626
Ion Ratio Lower Upper
84 100
49 99.6 108.1 162.1#
51 26.0 32.9 49.3#
86 33.4 48.6 73.0#

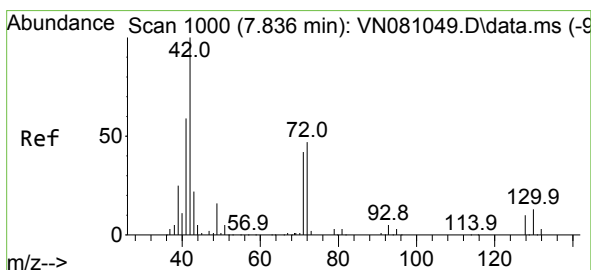
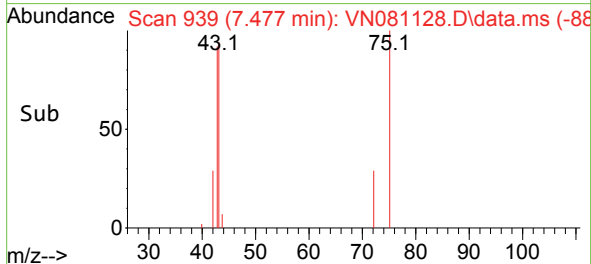
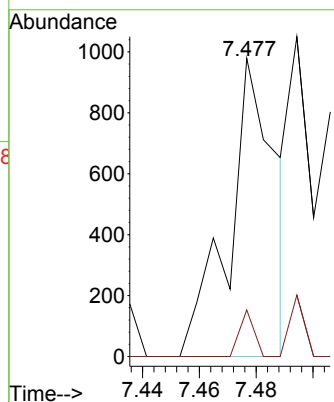
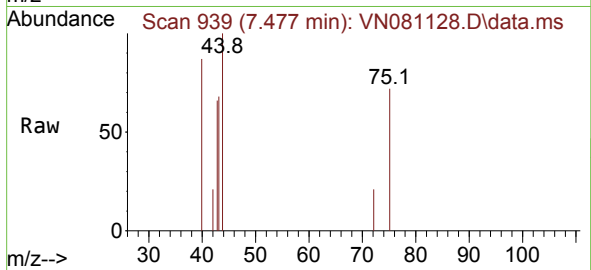




#25
2-Butanone
Concen: 0.329 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

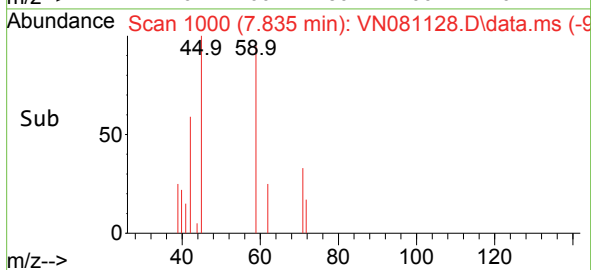
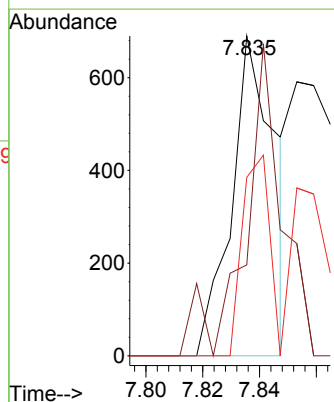
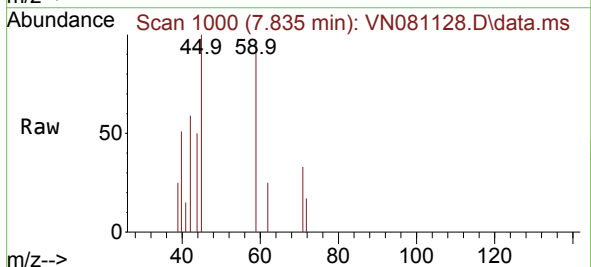
Instrument :
MSVOA_N
ClientSampleId :

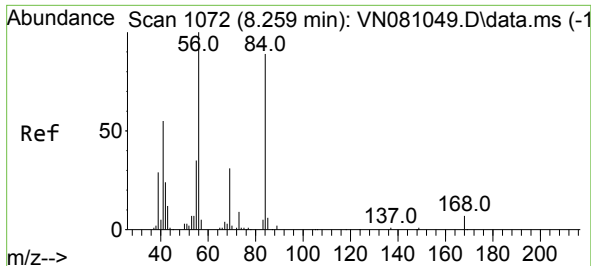
Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
72 15.6 19.5 29.3#



#29
Tetrahydrofuran
Concen: 0.328 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

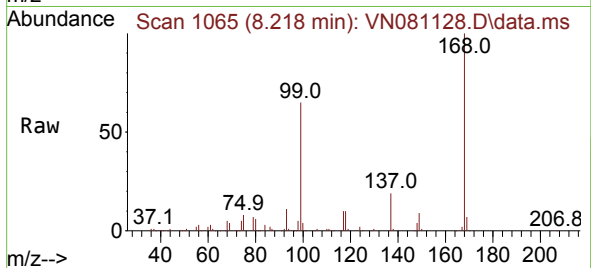
Tgt Ion: 42 Resp: 736
Ion Ratio Lower Upper
42 100
72 82.3 31.1 46.7#
71 39.3 28.3 42.5



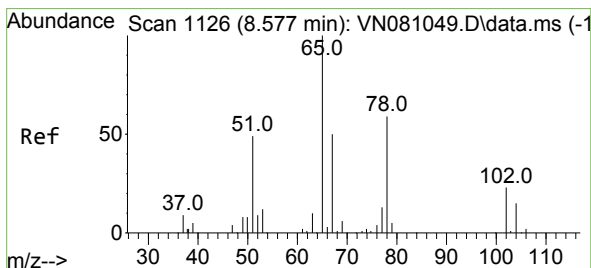
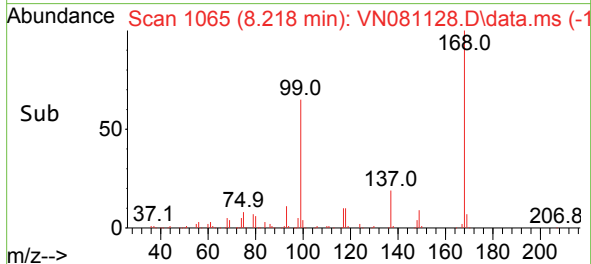
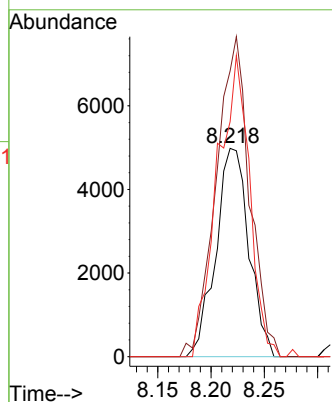


#31
Cyclohexane
Concen: 1.176 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :

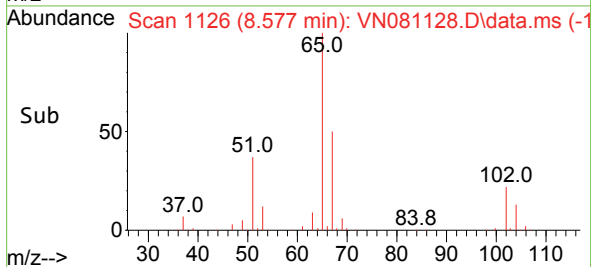
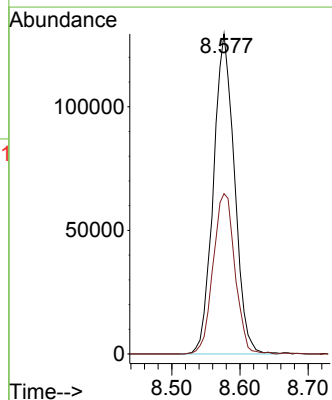
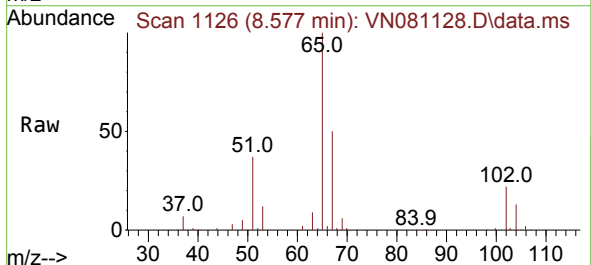


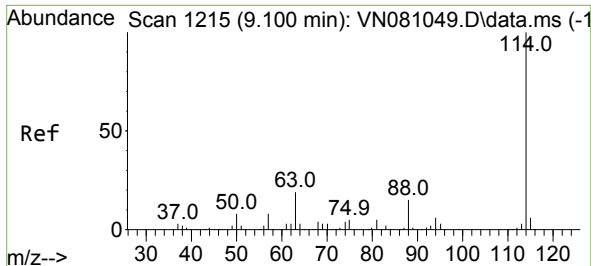
Tgt Ion: 56 Resp: 10739
Ion Ratio Lower Upper
56 100
69 137.1 20.1 30.1#
84 112.8 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 52.617 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Tgt Ion: 65 Resp: 278379
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN081128.D

Acq: 22 Feb 2024 12:25

Instrument :

MSVOA_N

ClientSampleId :

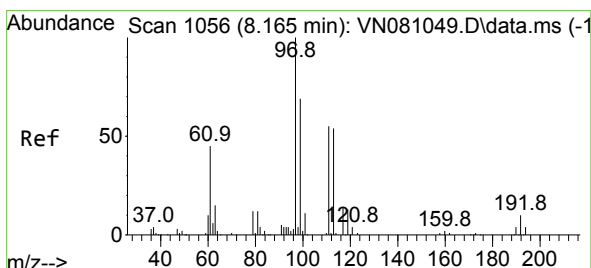
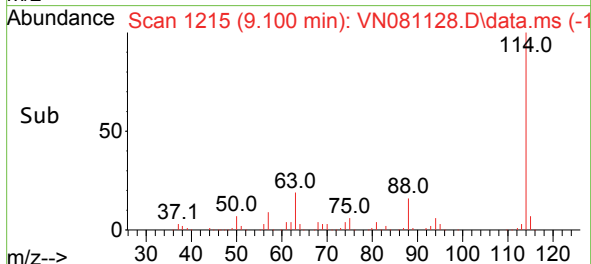
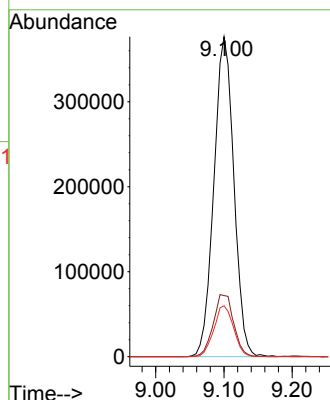
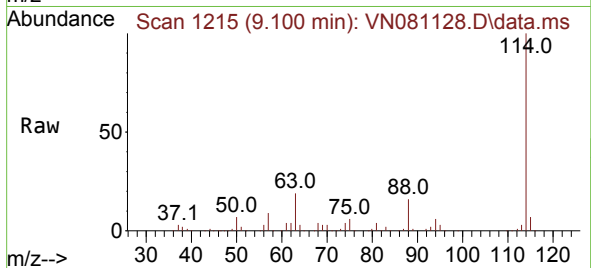
Tgt Ion:114 Resp: 768322

Ion Ratio Lower Upper

114 100

63 19.1 0.0 48.0

88 15.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.939 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081128.D

Acq: 22 Feb 2024 12:25

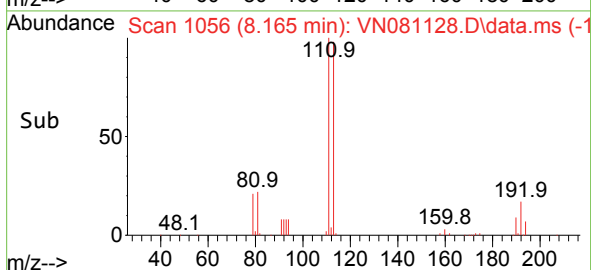
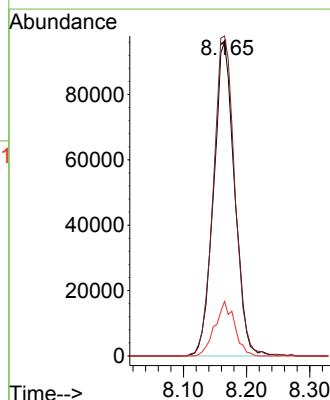
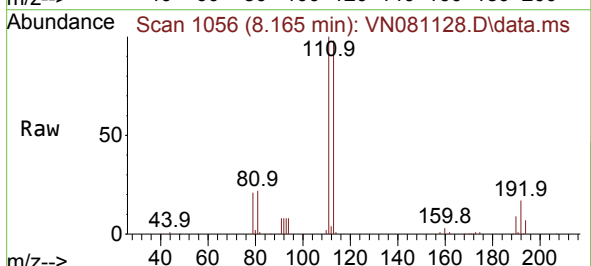
Tgt Ion:113 Resp: 221309

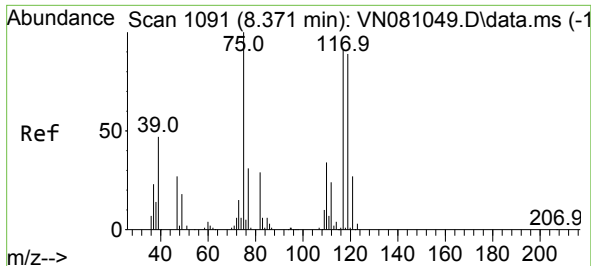
Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

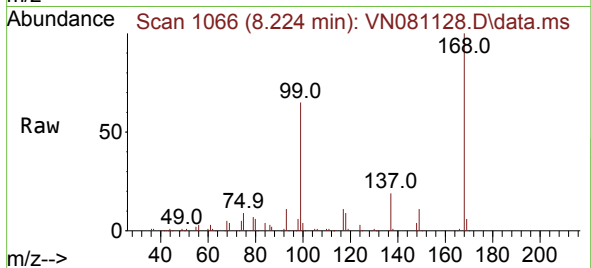
192 16.4 12.5 18.7



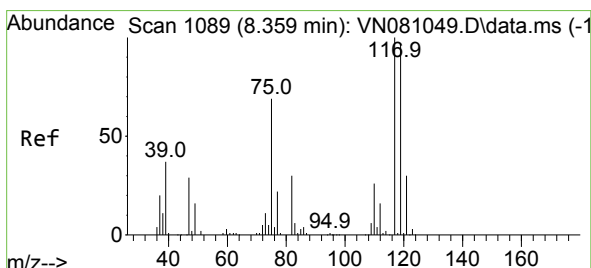
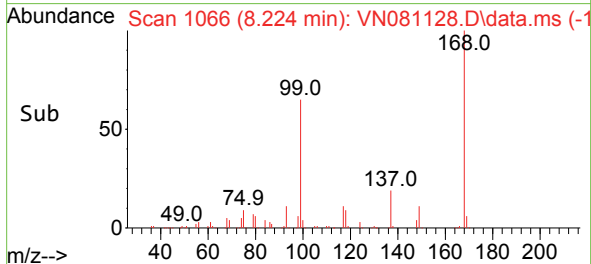
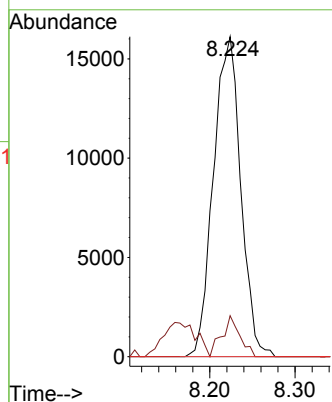


#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :

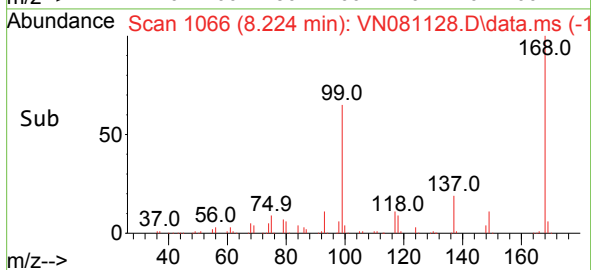
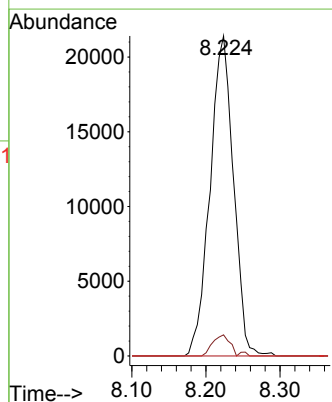
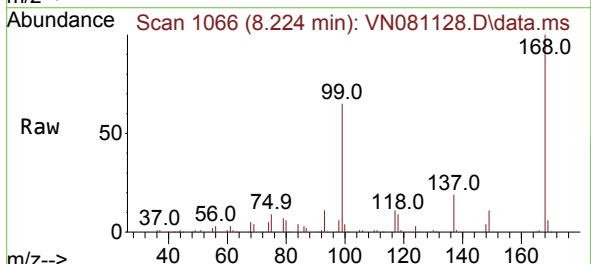


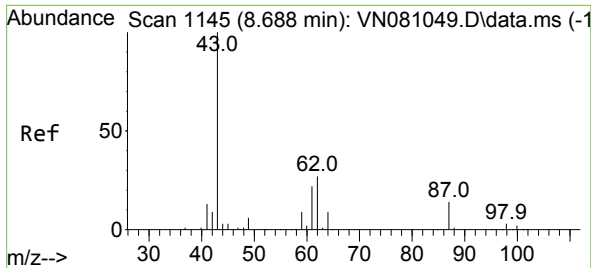
Tgt Ion: 75 Resp: 35874
Ion Ratio Lower Upper
75 100
110 8.4 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.260 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Tgt Ion: 117 Resp: 47142
Ion Ratio Lower Upper
117 100
119 6.6 73.4 110.2#
121 0.0 24.4 36.6#

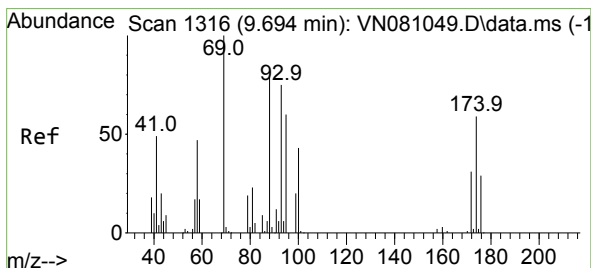
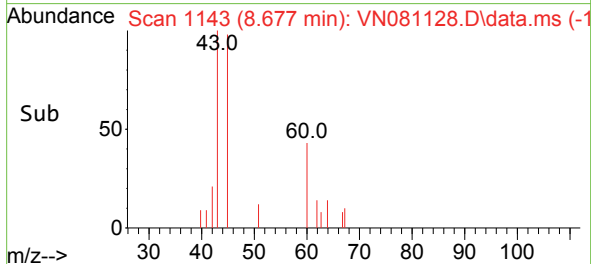
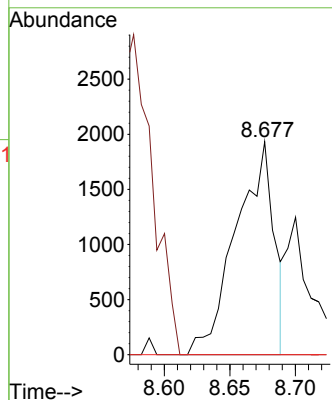
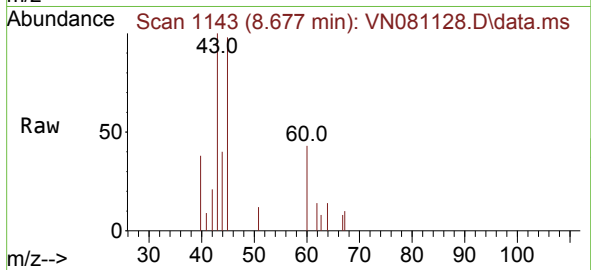




#43
Isopropyl Acetate
Concen: 0.332 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

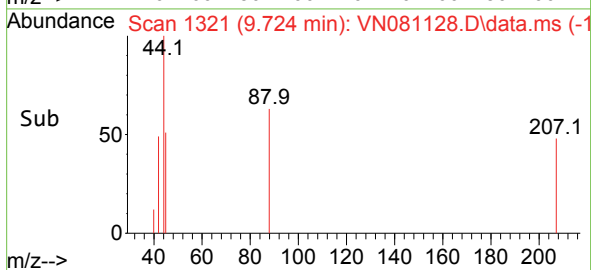
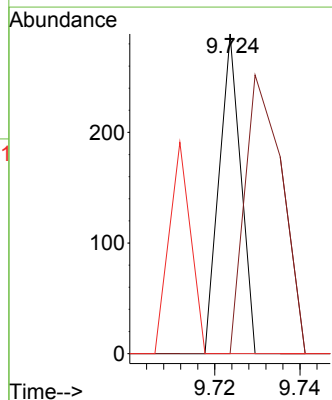
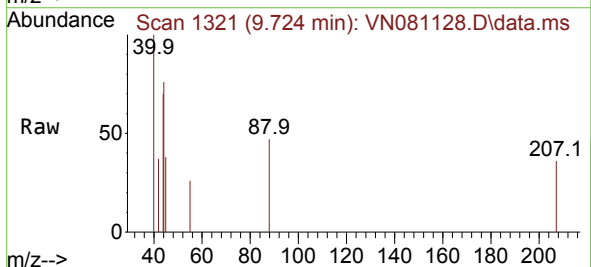
Instrument :
MSVOA_N
ClientSampleId :

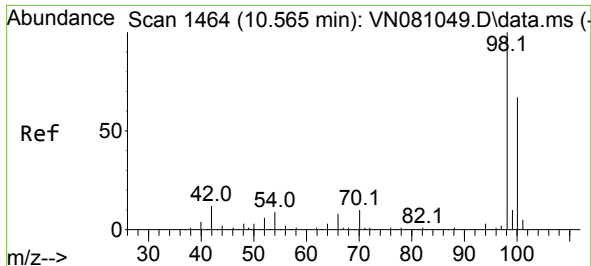
Tgt Ion: 43 Resp: 3905
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.724 min Scan# 1321
Delta R.T. 0.030 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Tgt Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
43 149.0 30.1 45.1#
58 65.7 63.9 95.9

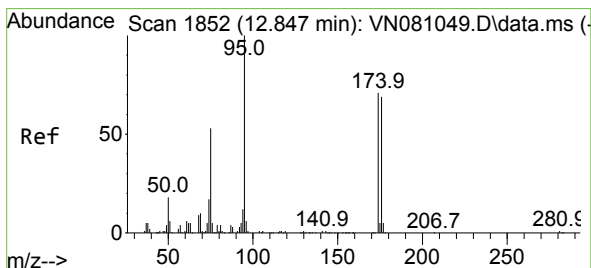
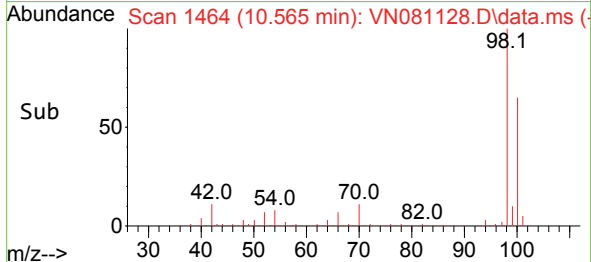
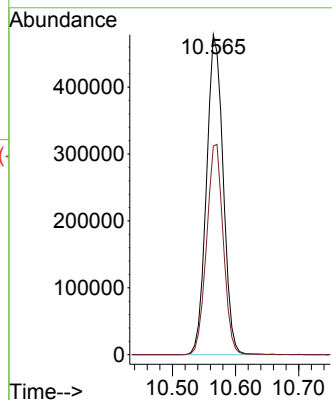
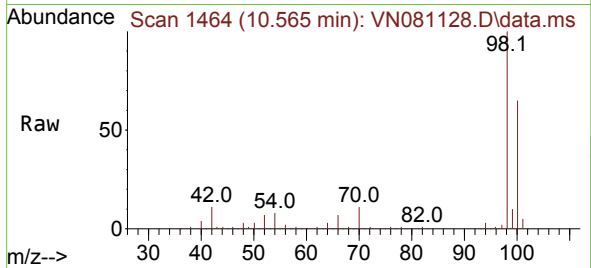




#50
Toluene-d8
Concen: 56.783 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

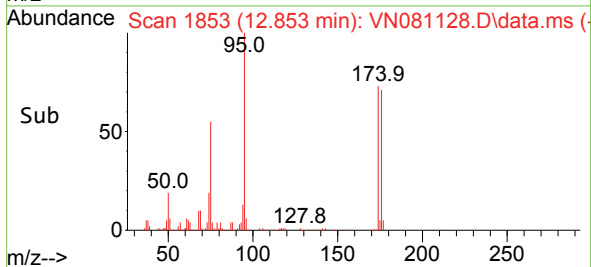
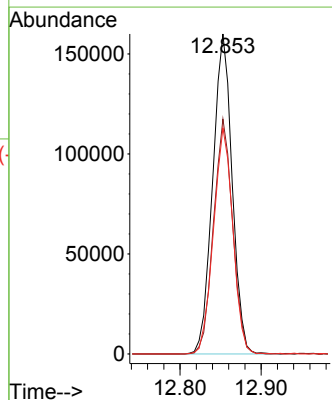
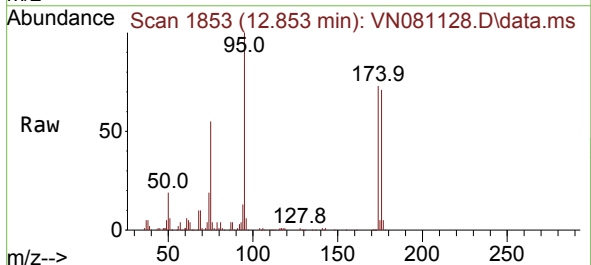
Instrument :
MSVOA_N
ClientSampleId :

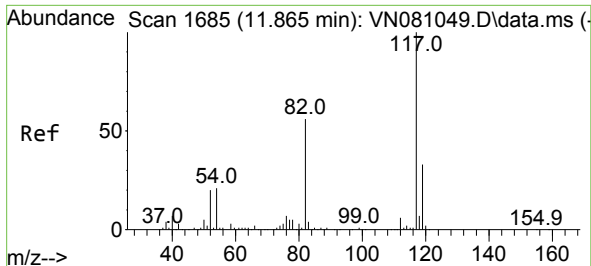
Tgt Ion: 98 Resp: 876223
Ion Ratio Lower Upper
98 100
100 65.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.884 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

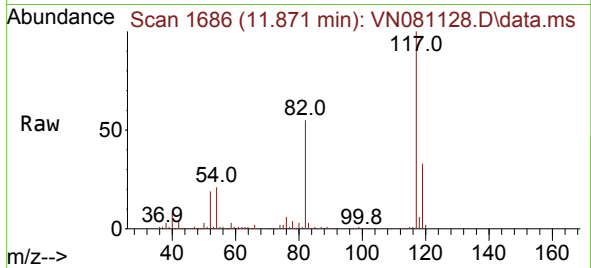
Tgt Ion: 95 Resp: 266045
Ion Ratio Lower Upper
95 100
174 72.3 0.0 120.4
176 70.3 0.0 121.0



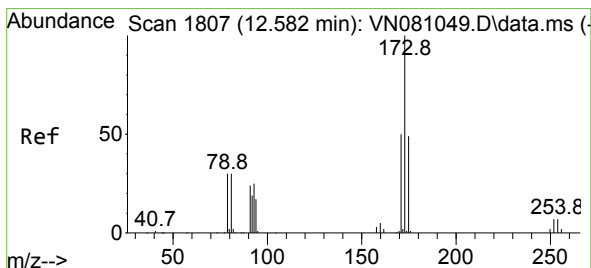
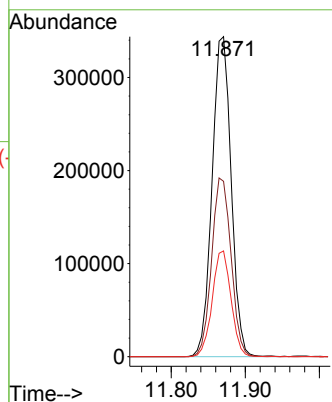
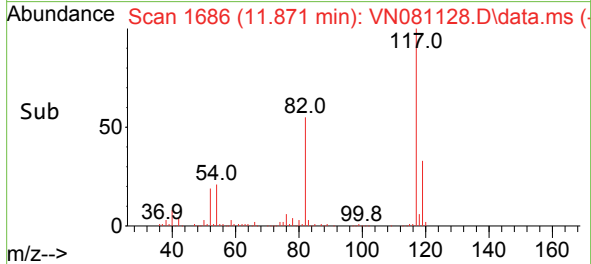


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :

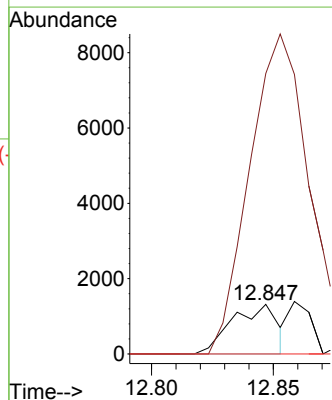
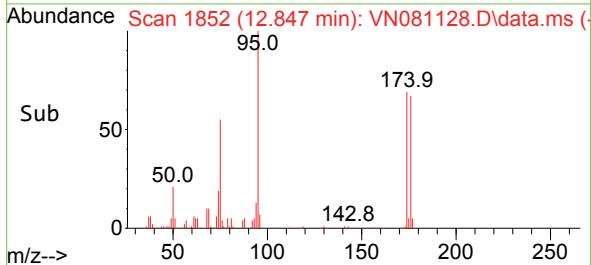
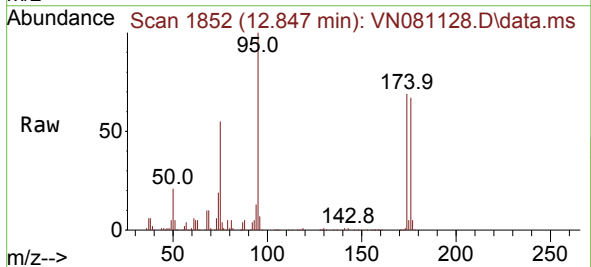


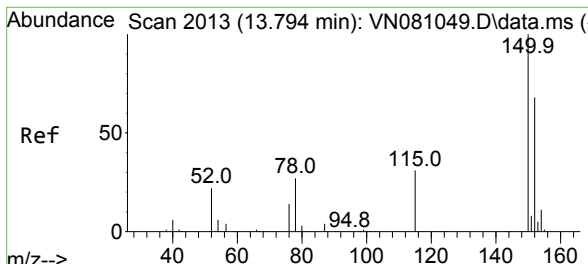
Tgt Ion:117 Resp: 615099
Ion Ratio Lower Upper
117 100
82 54.8 52.7 79.1
119 33.0 25.3 37.9



#71
Bromoform
Concen: 0.563 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

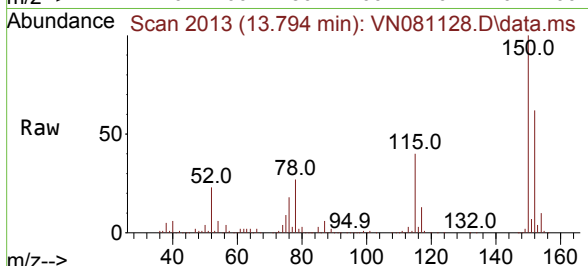
Tgt Ion:173 Resp: 1709
Ion Ratio Lower Upper
173 100
175 667.5 23.1 69.2#
254 0.0 0.0 0.0



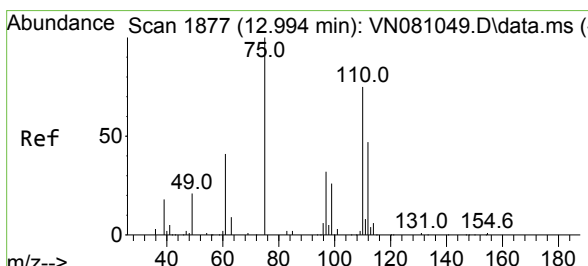
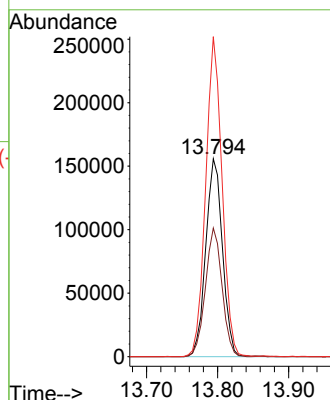
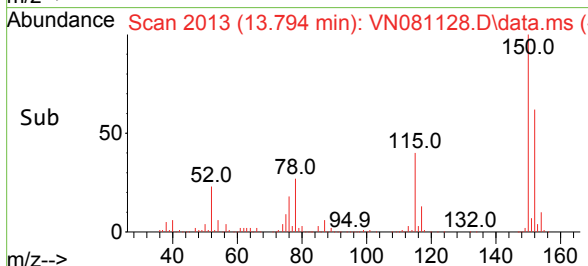


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081128.D
 Acq: 22 Feb 2024 12:25

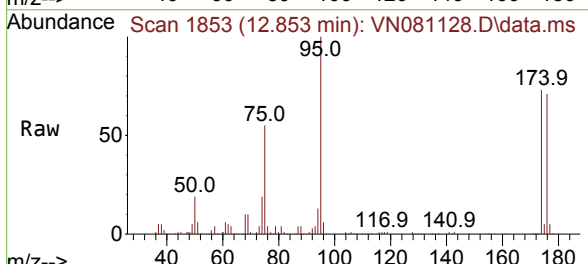
Instrument :
 MSVOA_N
 ClientSampleId :



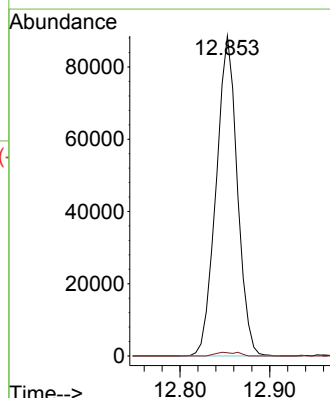
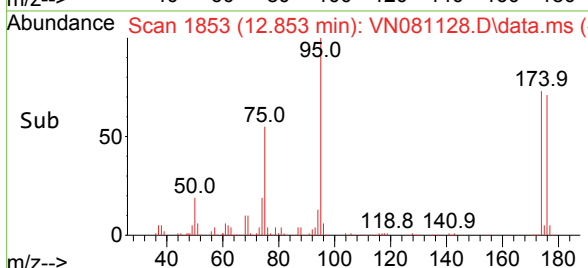
Tgt Ion:152 Resp: 255435
 Ion Ratio Lower Upper
 152 100
 115 64.6 32.3 96.8
 150 158.0 0.0 339.8

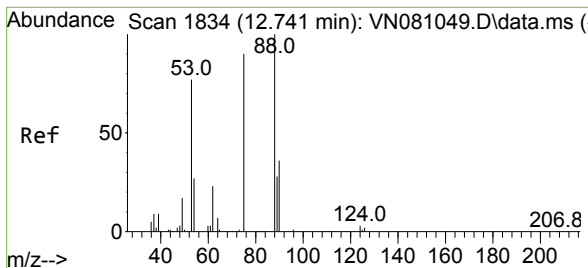


#76
 1,2,3-Trichloropropane
 Concen: 25.021 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081128.D
 Acq: 22 Feb 2024 12:25



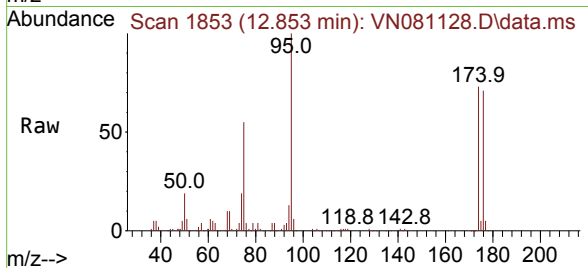
Tgt Ion: 75 Resp: 145216
 Ion Ratio Lower Upper
 75 100
 77 1.3 91.0 272.8#



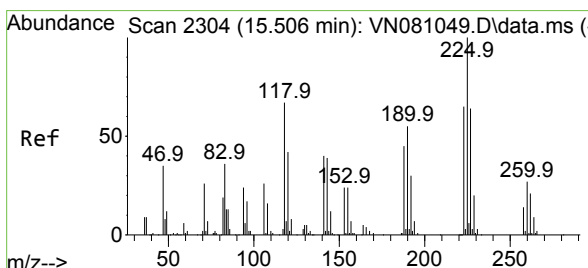
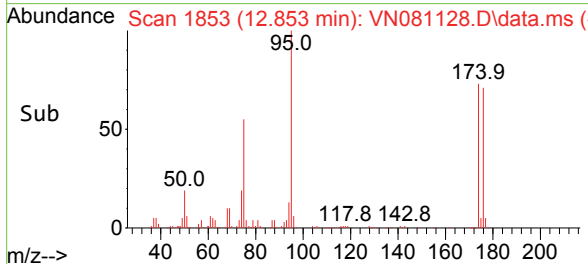
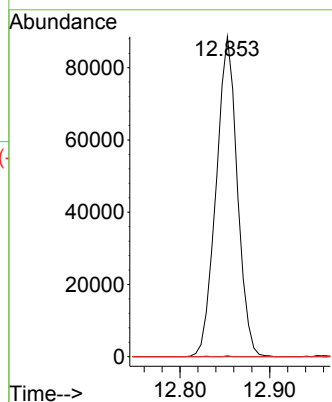


#81
trans-1,4-Dichloro-2-butene
Concen: 64.403 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 145216
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#



#94
Hexachlorobutadiene
Concen: 0.230 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN081128.D
Acq: 22 Feb 2024 12:25

Tgt Ion: 225 Resp: 434
Ion Ratio Lower Upper
225 100
223 0.0 33.3 99.8#
227 44.7 33.1 99.2

