

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081163.D
 Acq On : 23 Feb 2024 16:56
 Operator : JC\MD
 Sample : VN0224WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBL02

Quant Time: Feb 23 22:00:35 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)

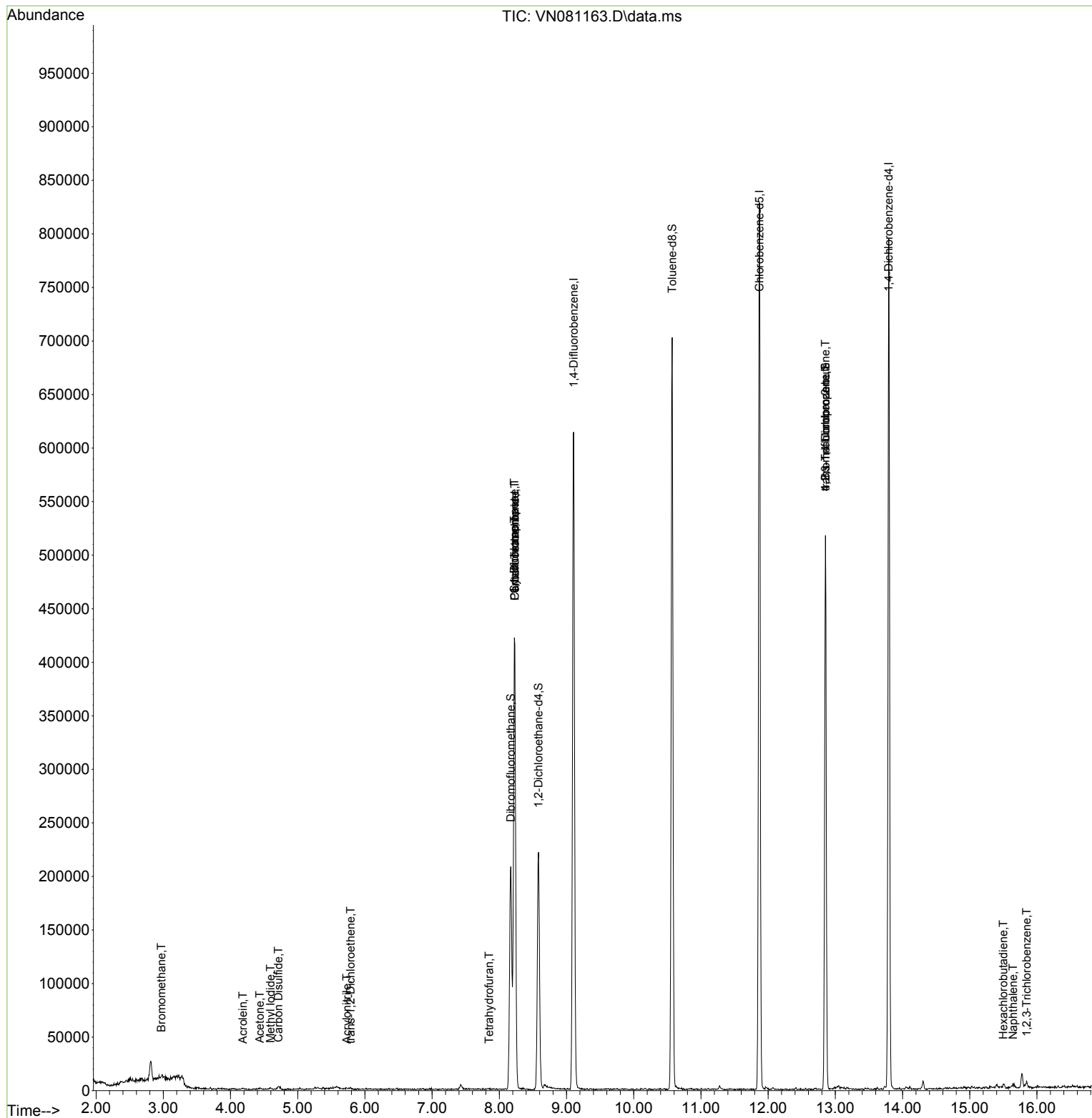
Internal Standards						
1) Pentafluorobenzene	8.230	168	286867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	538714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	476375	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	194073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	179445	51.034	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	102.060%	
35) Dibromofluoromethane	8.171	113	149773	49.166	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.340%	
50) Toluene-d8	10.571	98	474872	43.890	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	87.780%	
62) 4-Bromofluorobenzene	12.853	95	180776	44.466	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	88.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1218	Below Cal	#	79
5) Bromomethane	2.971	94	1475	0.504	ug/l	88
6) Chloroethane	3.124	64	201	Below Cal	#	42
10) Methyl Iodide	4.595	142	1819	0.486	ug/l	# 67
13) Acrolein	4.183	56	870	2.510	ug/l	# 73
15) Acrylonitrile	5.730	53	747	0.442	ug/l	# 76
16) Acetone	4.436	43	1057	0.764	ug/l	# 44
17) Carbon Disulfide	4.712	76	4043	0.447	ug/l	# 78
20) Methylene Chloride	5.277	84	890	Below Cal	#	13
21) trans-1,2-Dichloroethene	5.789	96	745	0.206	ug/l	# 8
29) Tetrahydrofuran	7.847	42	510	0.342	ug/l	# 74
31) Cyclohexane	8.224	56	8043	1.325	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	26238	5.027	ug/l	# 51
38) Carbon Tetrachloride	8.230	117	32234	6.105	ug/l	# 19
76) 1,2,3-Trichloropropane	12.853	75	97936	22.210	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	97936	57.168	ug/l	# 14
94) Hexachlorobutadiene	15.500	225	598	0.417	ug/l	# 59
95) Naphthalene	15.647	128	4414	0.313	ug/l	# 83
96) 1,2,3-Trichlorobenzene	15.847	180	1808	0.473	ug/l	64

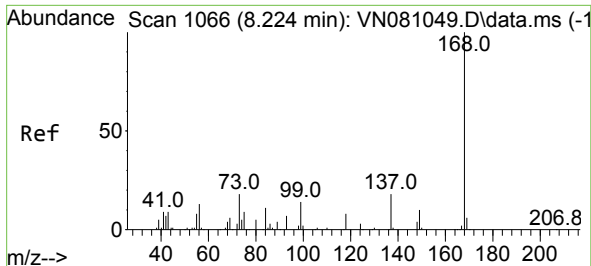
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
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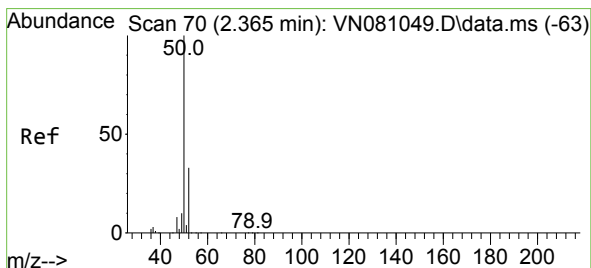
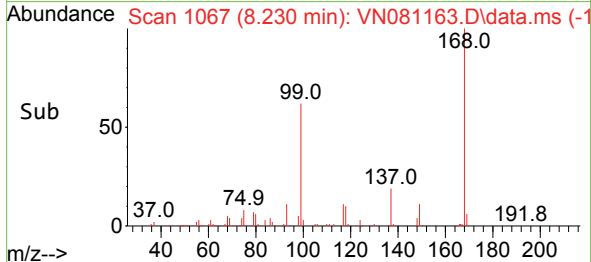
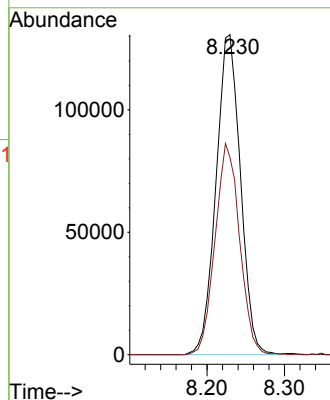
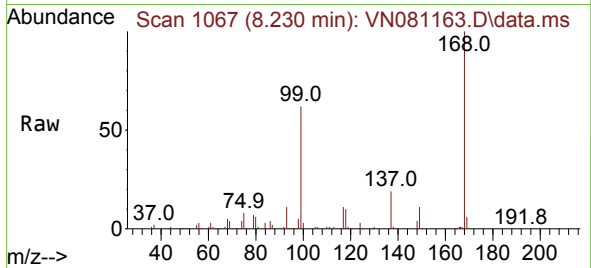




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

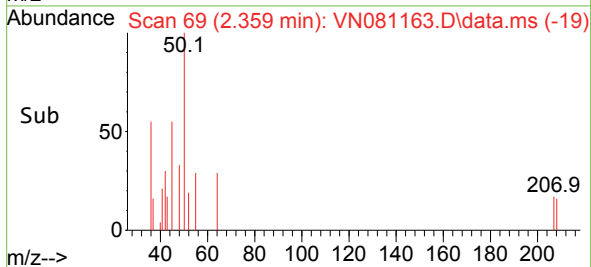
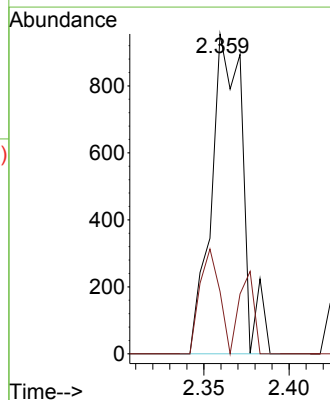
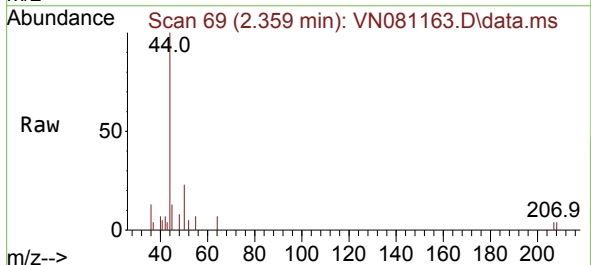
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL02

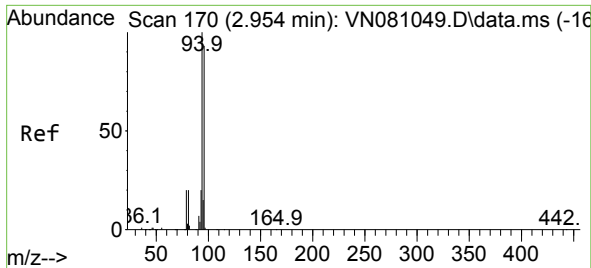
Tgt Ion:168 Resp: 286867
Ion Ratio Lower Upper
168 100
99 61.7 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion: 50 Resp: 1218
Ion Ratio Lower Upper
50 100
52 19.5 25.0 37.4#

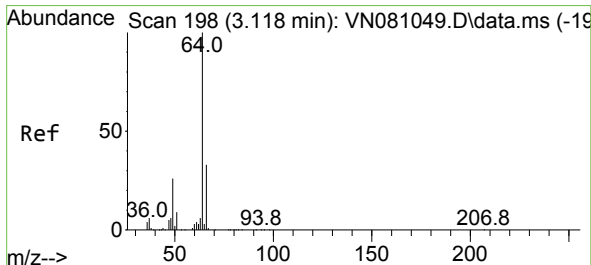
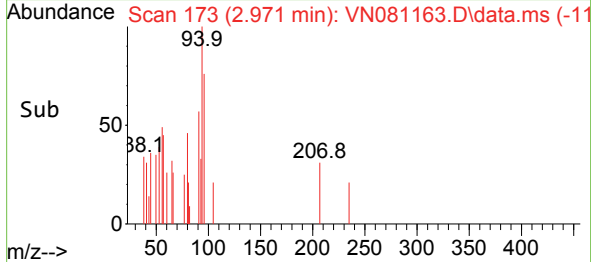
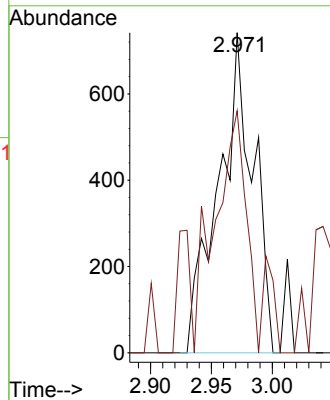
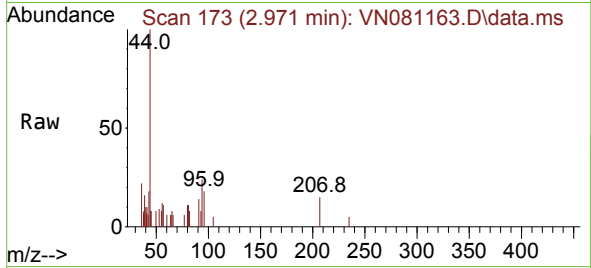




#5
Bromomethane
Concen: 0.504 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

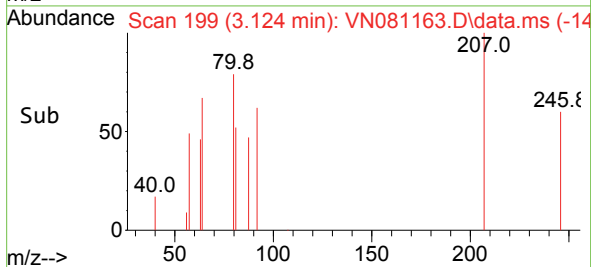
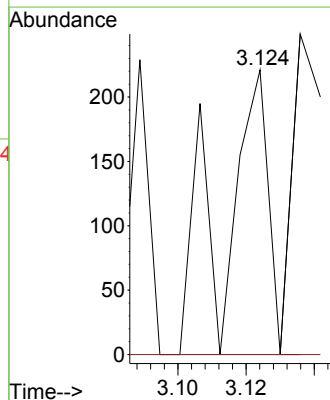
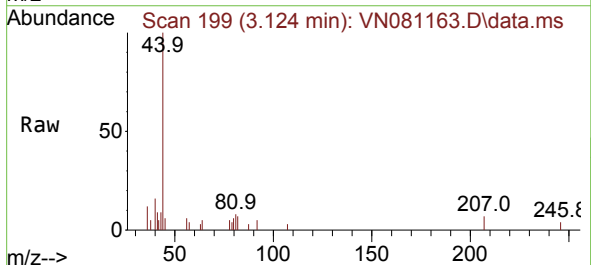
Instrument :
MSVOA_N
ClientSampleId :
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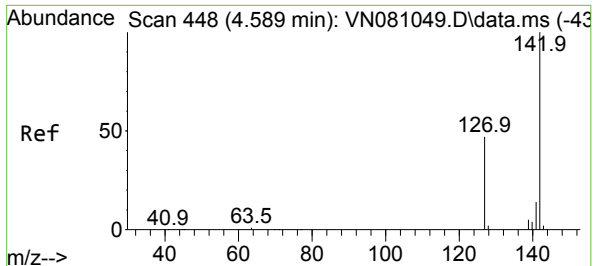
Tgt Ion: 94 Resp: 1475
Ion Ratio Lower Upper
94 100
96 75.6 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion: 64 Resp: 201
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

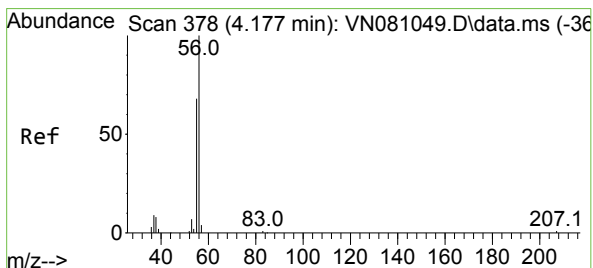
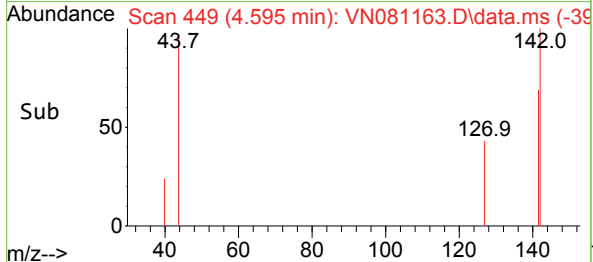
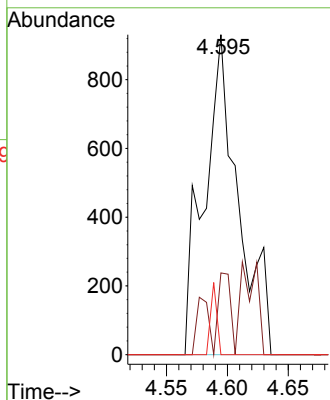
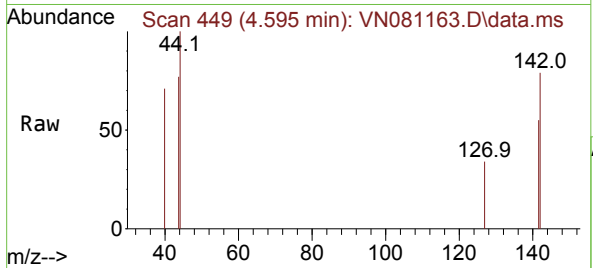




#10
Methyl Iodide
Concen: 0.486 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

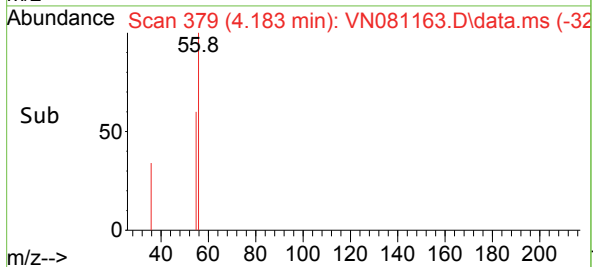
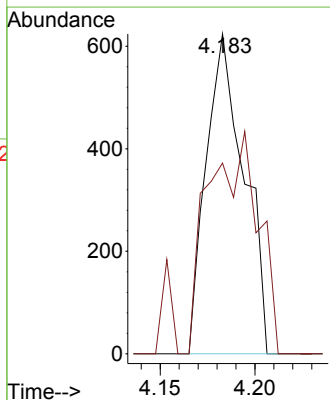
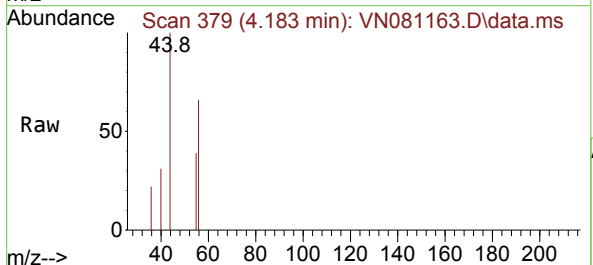
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL02

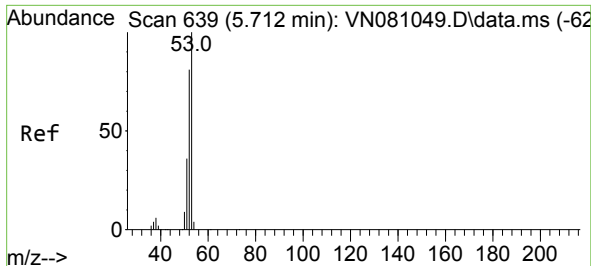
Tgt Ion:142 Resp: 1819
Ion Ratio Lower Upper
142 100
127 25.6 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 2.510 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion: 56 Resp: 870
Ion Ratio Lower Upper
56 100
55 91.5 55.3 82.9#

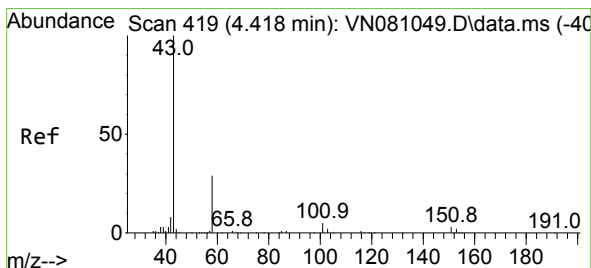
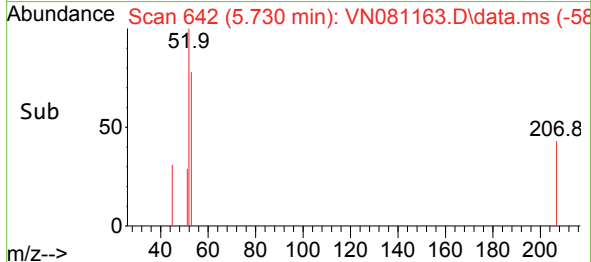
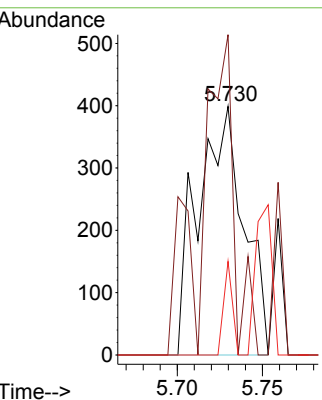
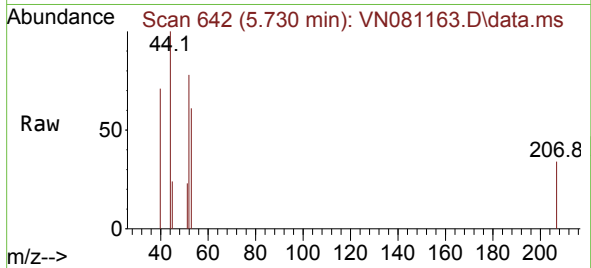




#15
Acrylonitrile
Concen: 0.442 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.018 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

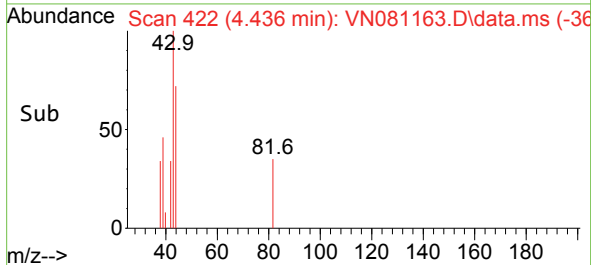
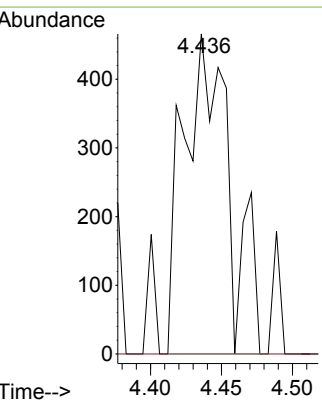
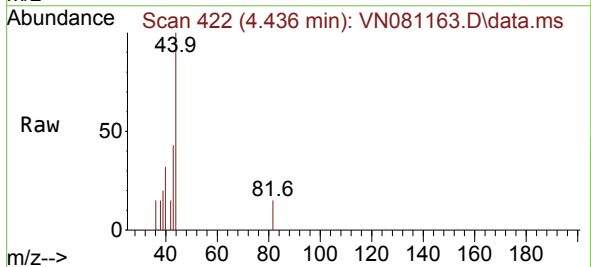
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL02

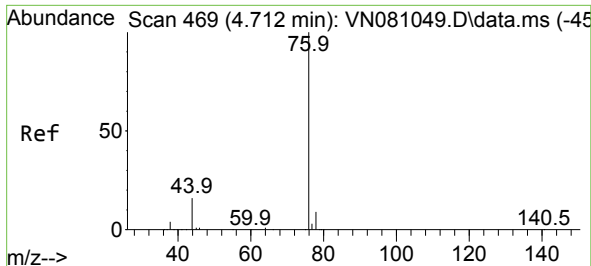
Tgt Ion: 53 Resp: 747
Ion Ratio Lower Upper
53 100
52 94.2 64.8 97.2
51 7.1 26.9 40.3#



#16
Acetone
Concen: 0.764 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion: 43 Resp: 1057
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

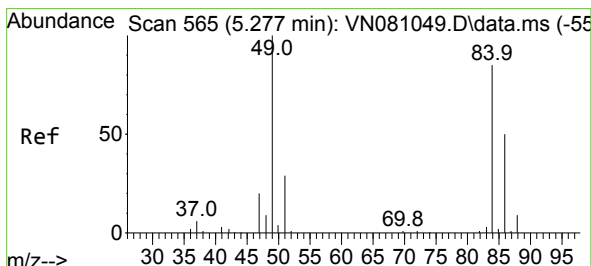
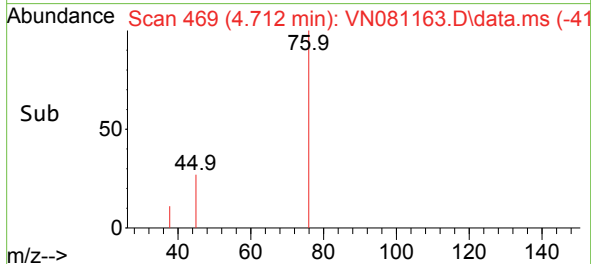
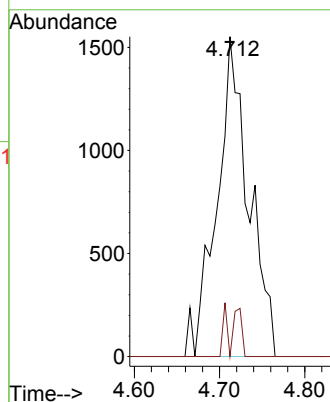
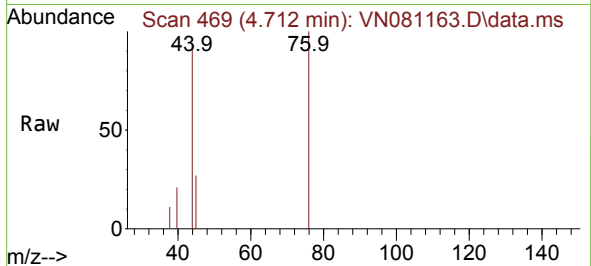




#17
Carbon Disulfide
Concen: 0.447 ug/l
RT: 4.712 min Scan# 404
Delta R.T. -0.000 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

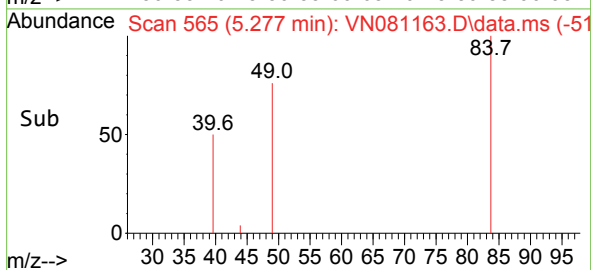
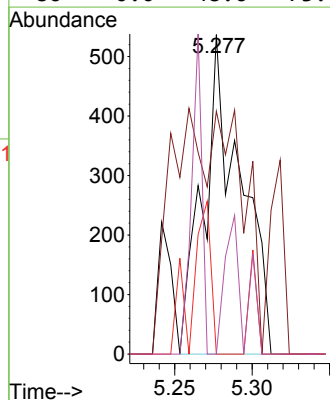
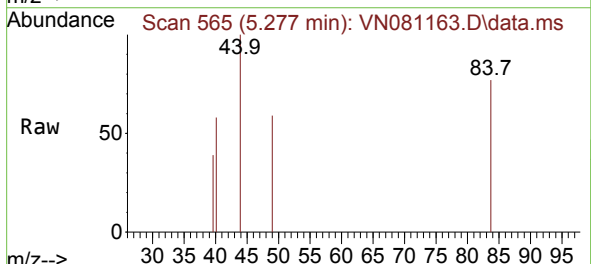
Instrument :
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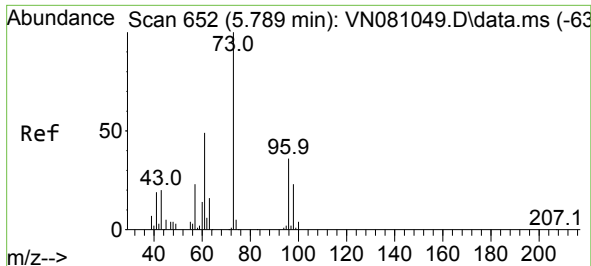
Tgt Ion: 76 Resp: 4043
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion: 84 Resp: 890
Ion Ratio Lower Upper
84 100
49 20.7 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#

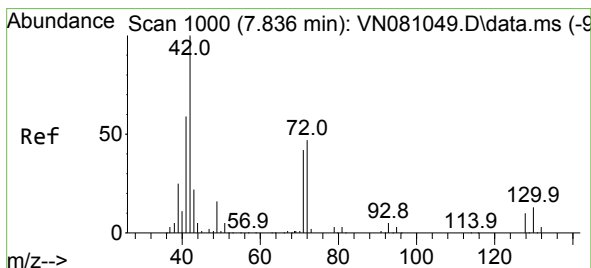
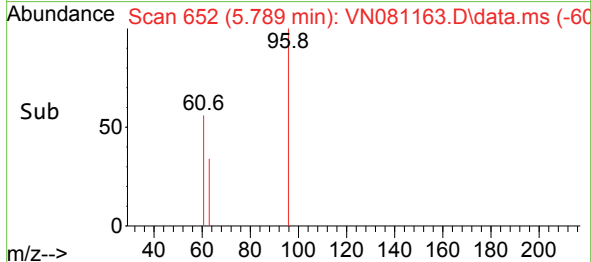
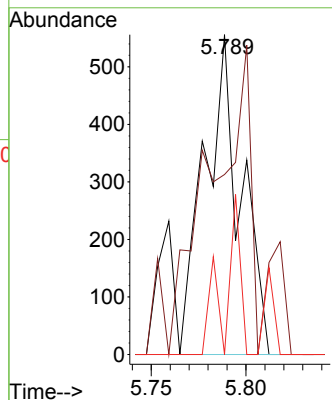
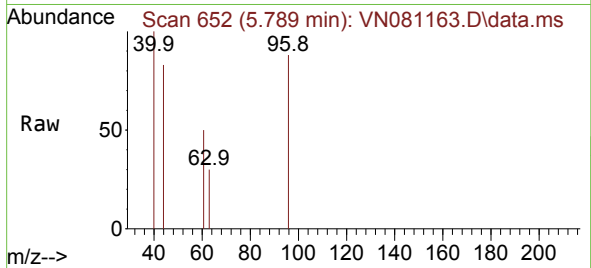




#21
trans-1,2-Dichloroethene
Concen: 0.206 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

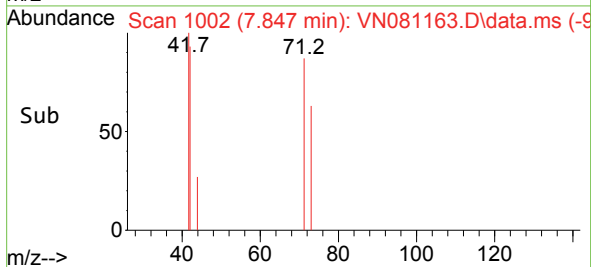
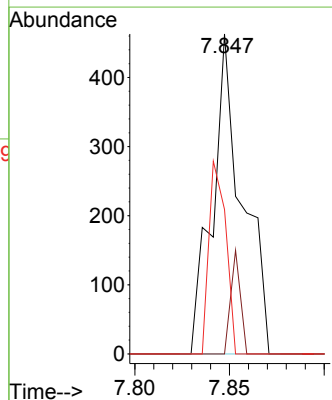
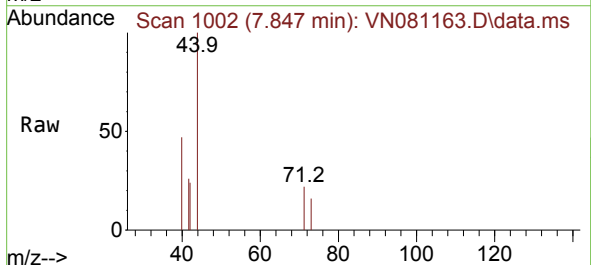
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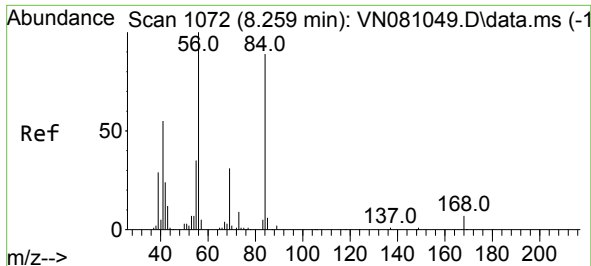
Tgt Ion: 96 Resp: 745
Ion Ratio Lower Upper
96 100
61 23.6 112.8 169.2#
98 0.0 51.0 76.4#



#29
Tetrahydrofuran
Concen: 0.342 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

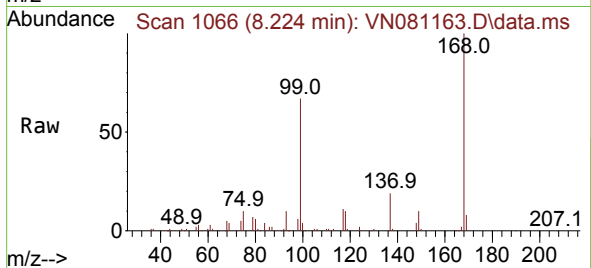
Tgt Ion: 42 Resp: 510
Ion Ratio Lower Upper
42 100
72 10.4 31.1 46.7#
71 33.7 28.3 42.5



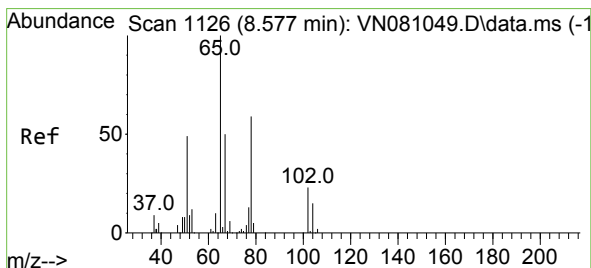
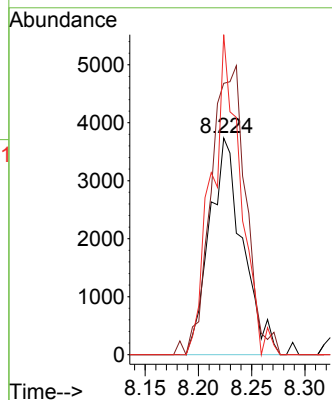
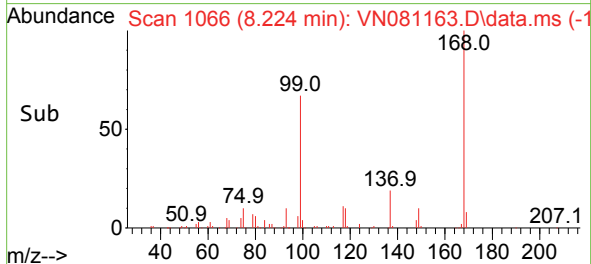


#31
Cyclohexane
Concen: 1.325 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL02

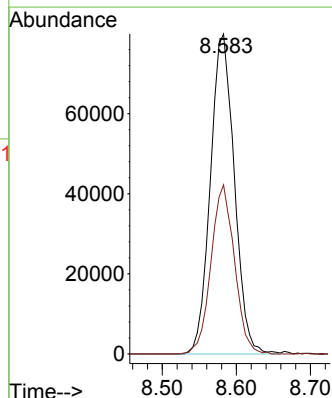
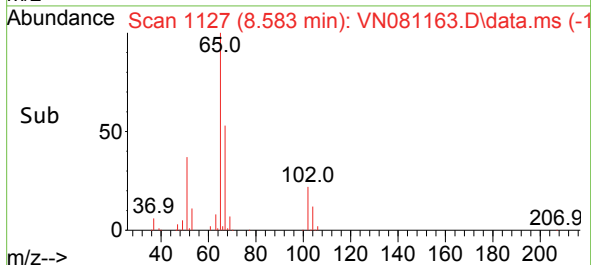
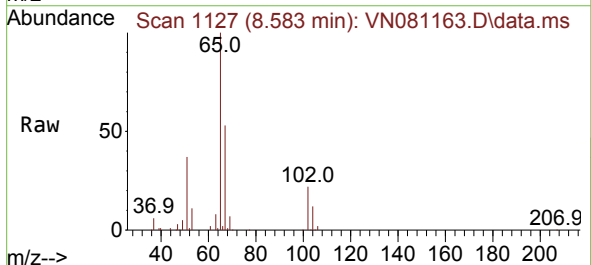


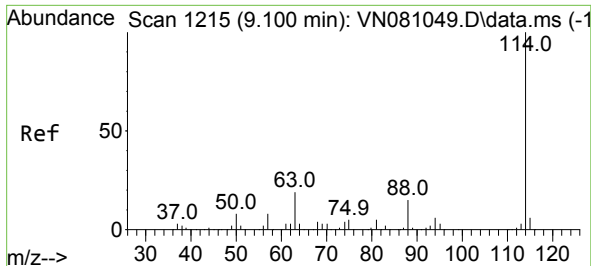
Tgt Ion: 56 Resp: 8043
Ion Ratio Lower Upper
56 100
69 125.2 20.1 30.1#
84 147.7 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 51.034 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion: 65 Resp: 179445
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.4

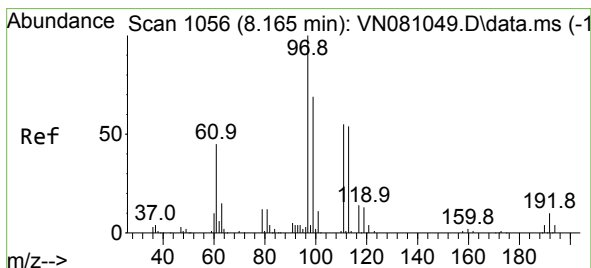
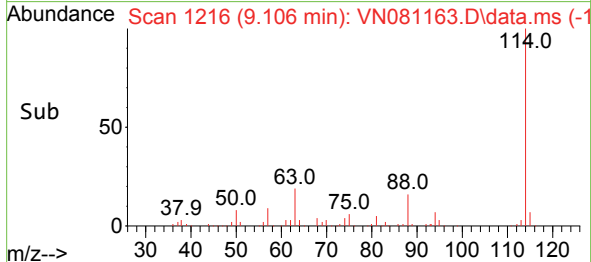
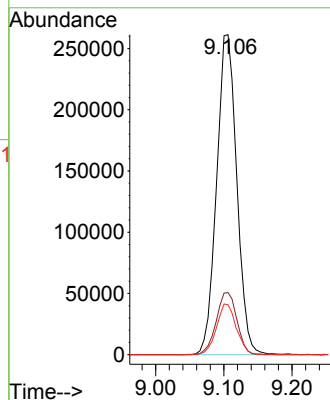
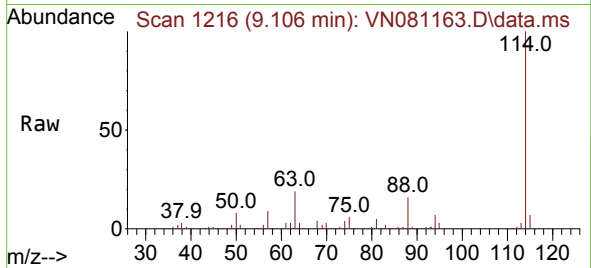




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

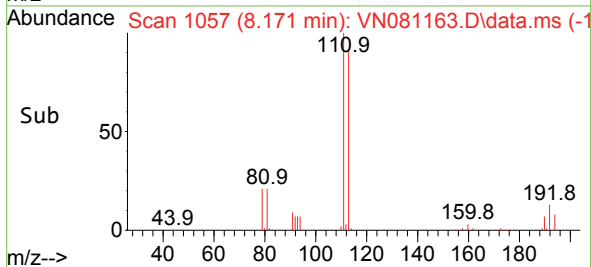
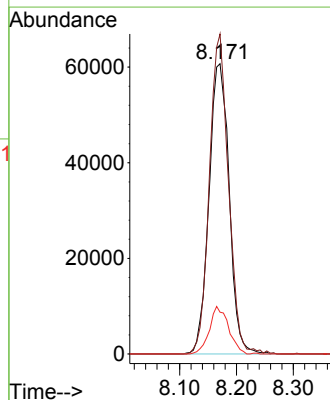
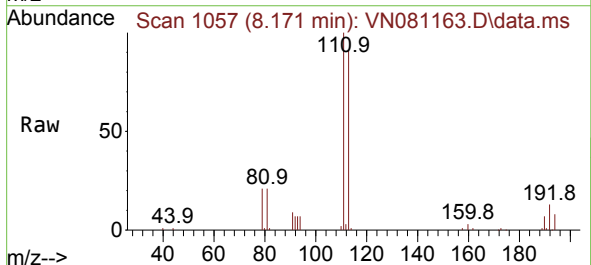
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL02

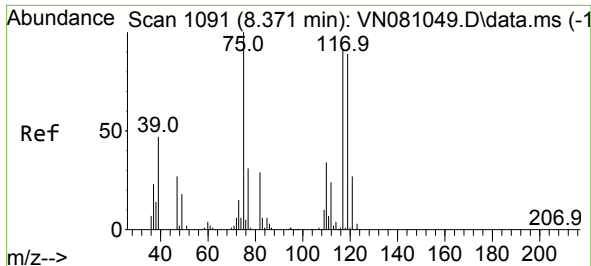
Tgt Ion:114 Resp: 538714
Ion Ratio Lower Upper
114 100
63 19.4 0.0 48.0
88 15.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.166 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion:113 Resp: 149773
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.4
192 15.5 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.027 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081163.D

Acq: 23 Feb 2024 16:56

Instrument :

MSVOA_N

ClientSampleId :

VN0223WBL02

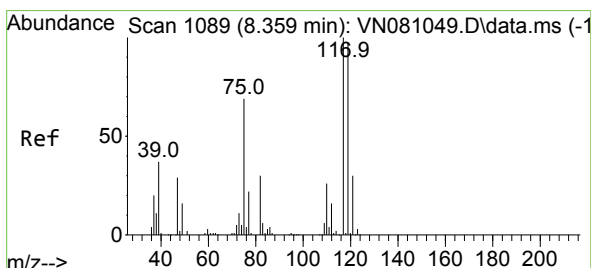
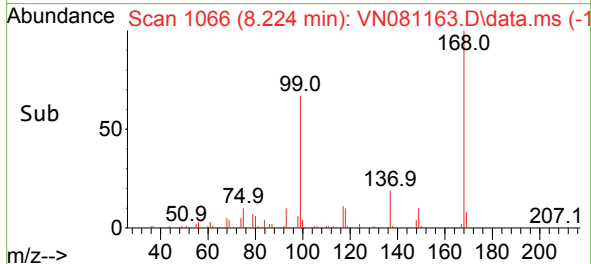
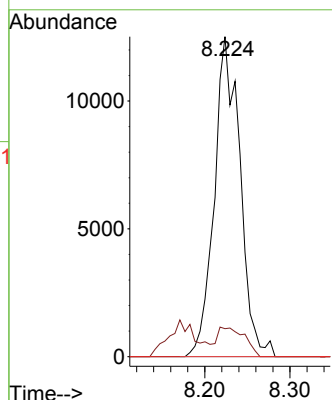
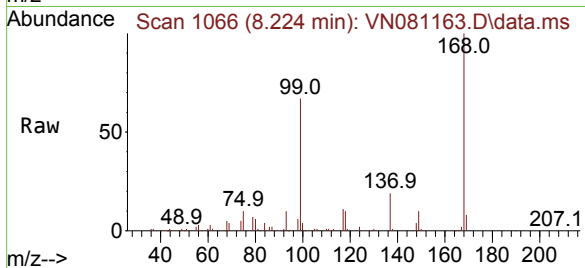
Tgt Ion: 75 Resp: 26238

Ion Ratio Lower Upper

75 100

110 9.9 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.105 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN081163.D

Acq: 23 Feb 2024 16:56

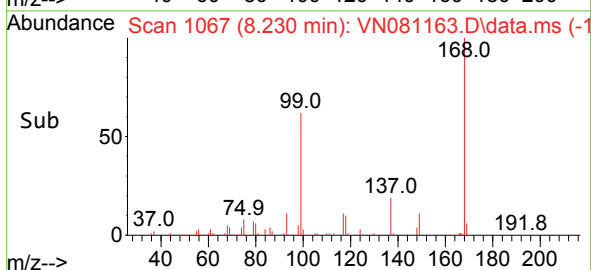
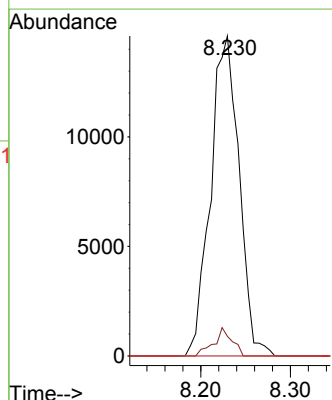
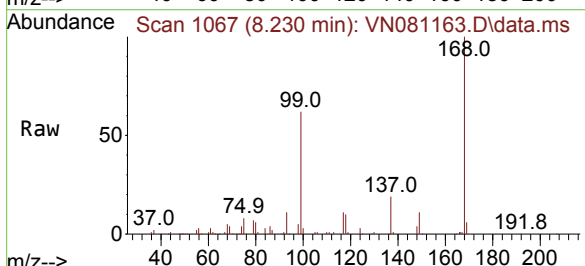
Tgt Ion: 117 Resp: 32234

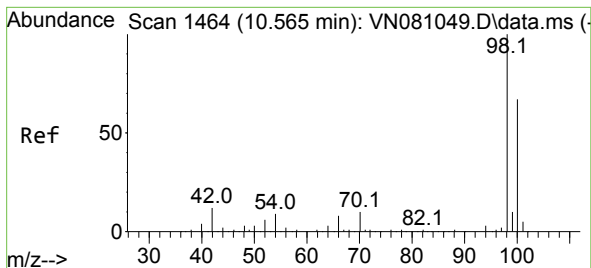
Ion Ratio Lower Upper

117 100

119 6.1 73.4 110.2#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 43.890 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081163.D

Acq: 23 Feb 2024 16:56

Instrument :

MSVOA_N

ClientSampleId :

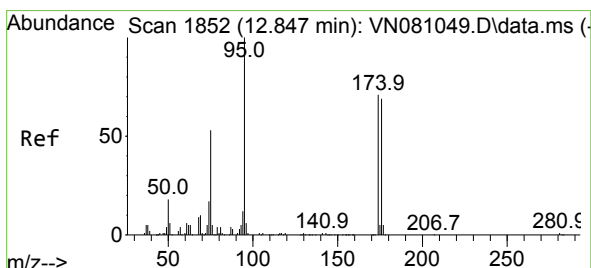
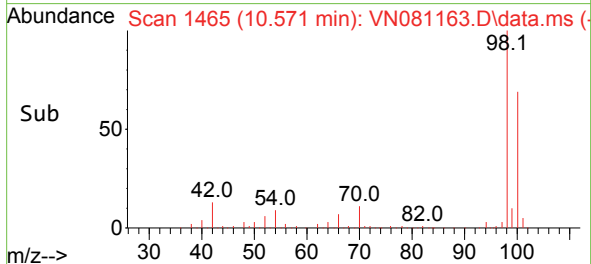
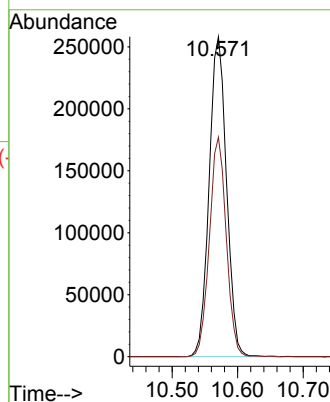
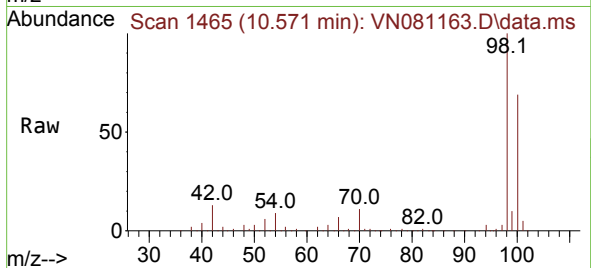
VN0223WBL02

Tgt Ion: 98 Resp: 474872

Ion Ratio Lower Upper

98 100

100 66.6 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 44.466 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN081163.D

Acq: 23 Feb 2024 16:56

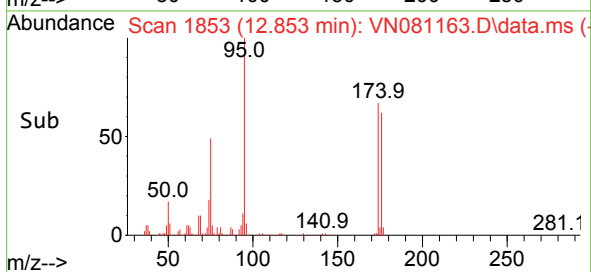
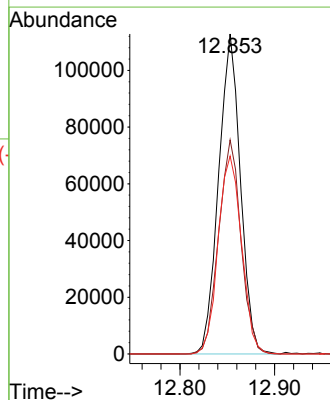
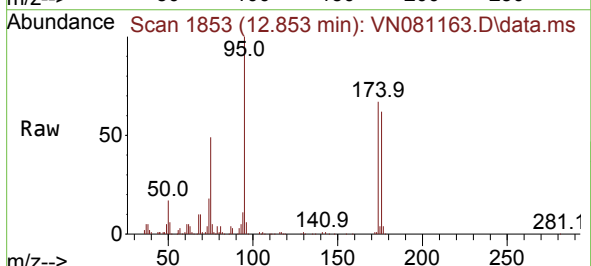
Tgt Ion: 95 Resp: 180776

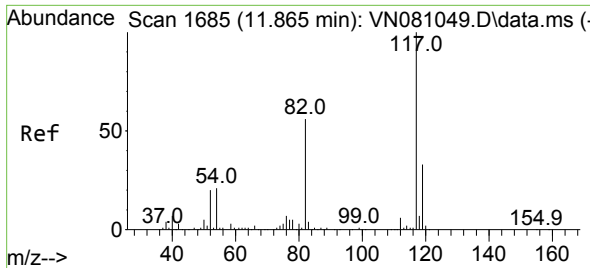
Ion Ratio Lower Upper

95 100

174 68.5 0.0 120.4

176 66.3 0.0 121.0

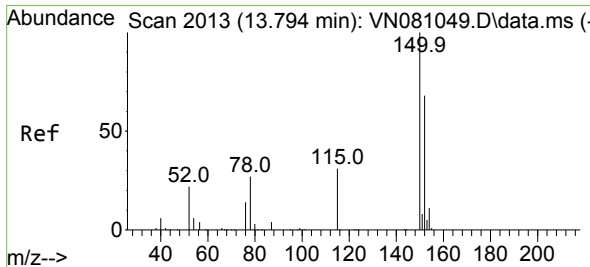
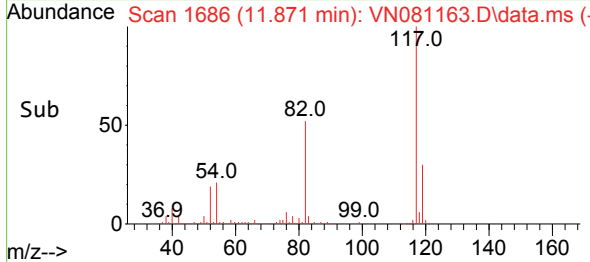
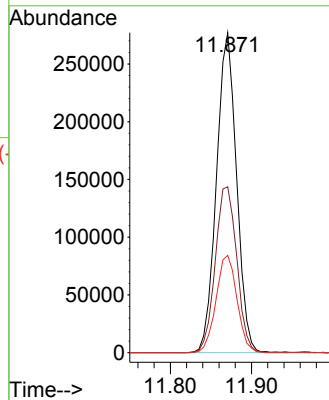
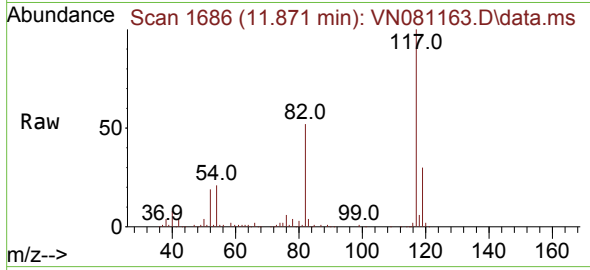




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

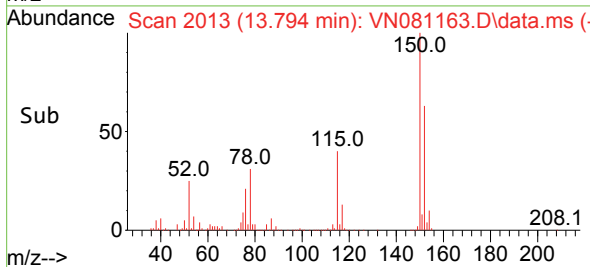
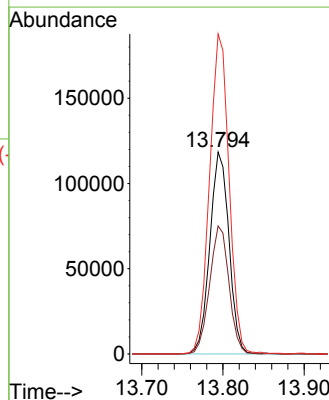
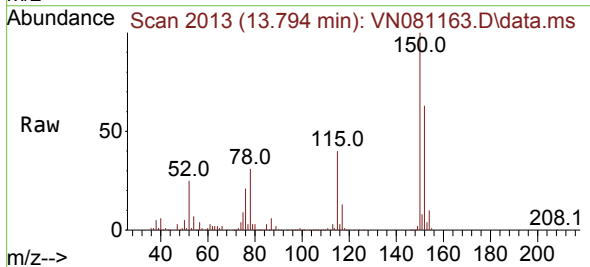
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL02

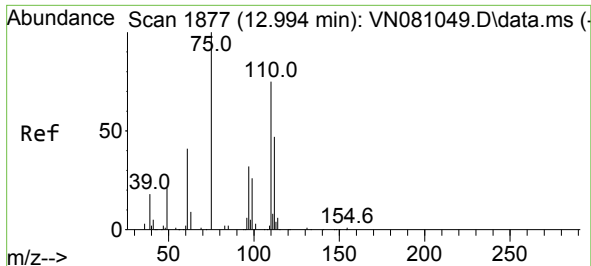
Tgt Ion:117 Resp: 476375
Ion Ratio Lower Upper
117 100
82 51.9 52.7 79.1#
119 30.4 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion:152 Resp: 194073
Ion Ratio Lower Upper
152 100
115 64.1 32.3 96.8
150 161.1 0.0 339.8

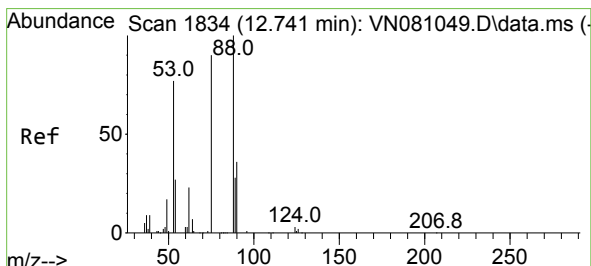
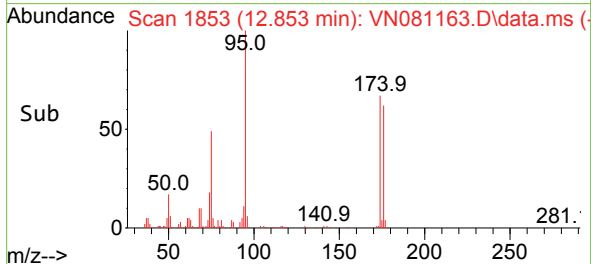
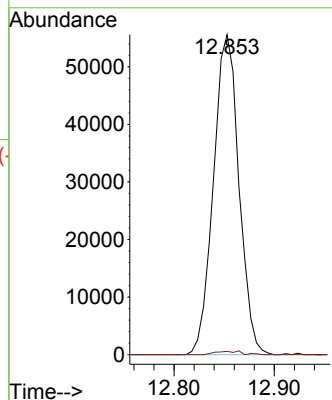
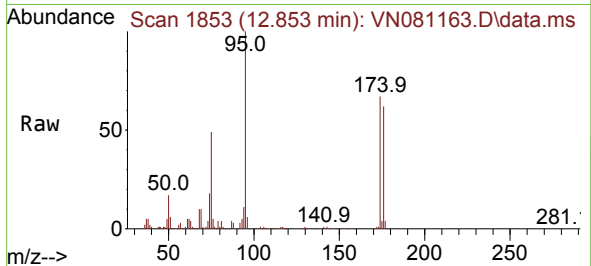




#76
1,2,3-Trichloropropane
Concen: 22.210 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

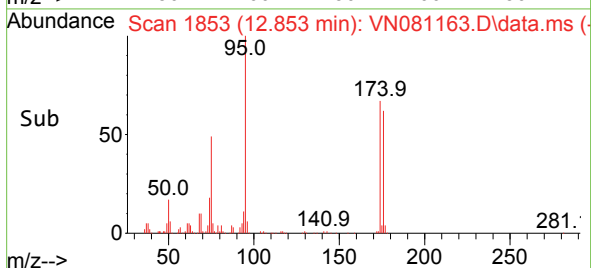
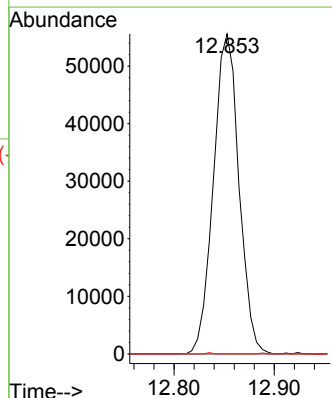
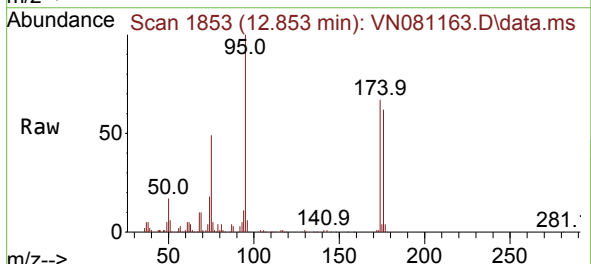
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL02

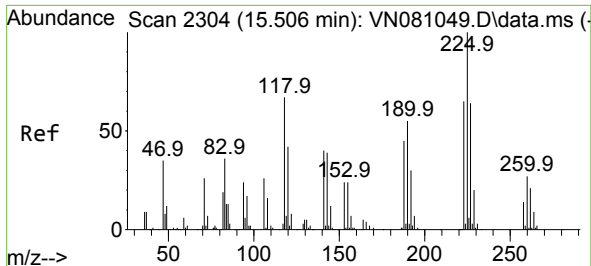
Tgt Ion: 75 Resp: 97936
Ion Ratio Lower Upper
75 100
77 1.1 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.168 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion: 75 Resp: 97936
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#

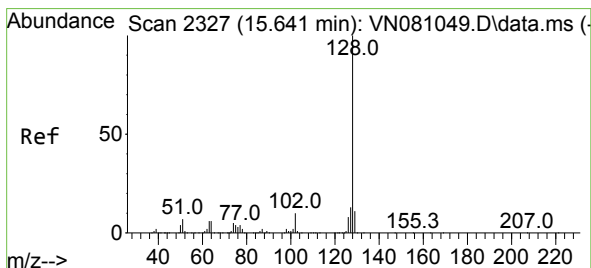
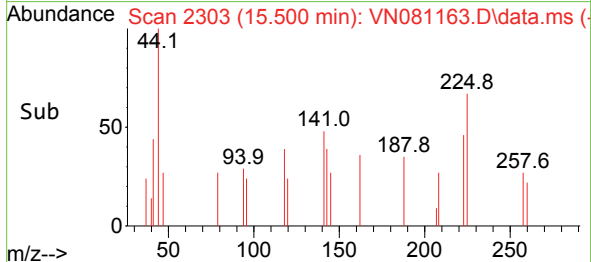
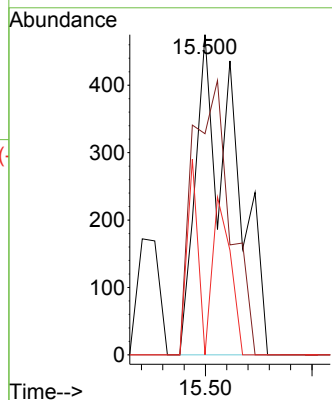
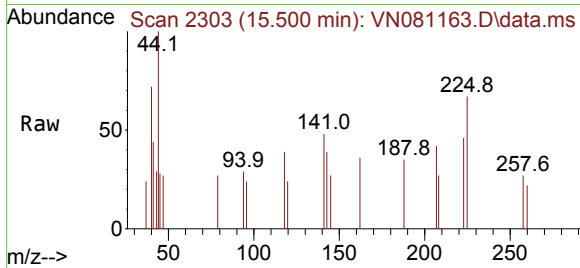




#94
Hexachlorobutadiene
Concen: 0.417 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

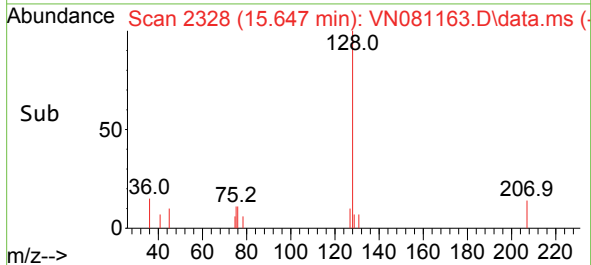
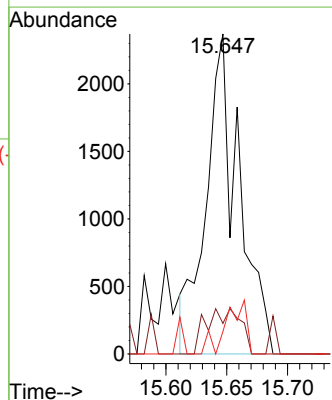
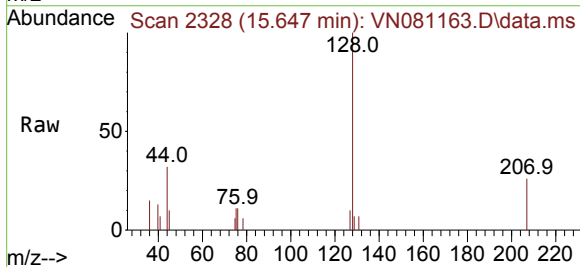
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL02

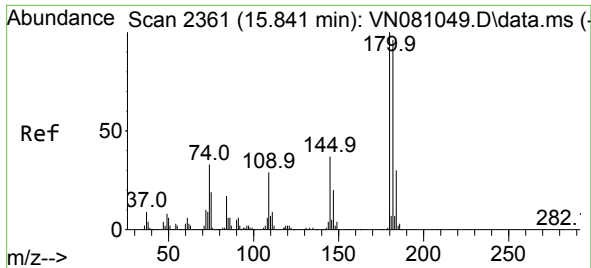
Tgt Ion:225 Resp: 598
Ion Ratio Lower Upper
225 100
223 82.9 33.3 99.8
227 17.1 33.1 99.2#



#95
Naphthalene
Concen: 0.313 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN081163.D
Acq: 23 Feb 2024 16:56

Tgt Ion:128 Resp: 4414
Ion Ratio Lower Upper
128 100
127 14.9 10.0 15.0
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.473 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081163.D
 Acq: 23 Feb 2024 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBL02

Tgt Ion:	180	Resp:	1808
Ion	Ratio	Lower	Upper
180	100		
182	56.5	46.5	139.3
145	18.3	17.8	53.4

