

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
 Data File : VN081536.D
 Acq On : 22 Mar 2024 10:05
 Operator : JC\MD
 Sample : VN0322MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBL01

Quant Time: Mar 23 00:09:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

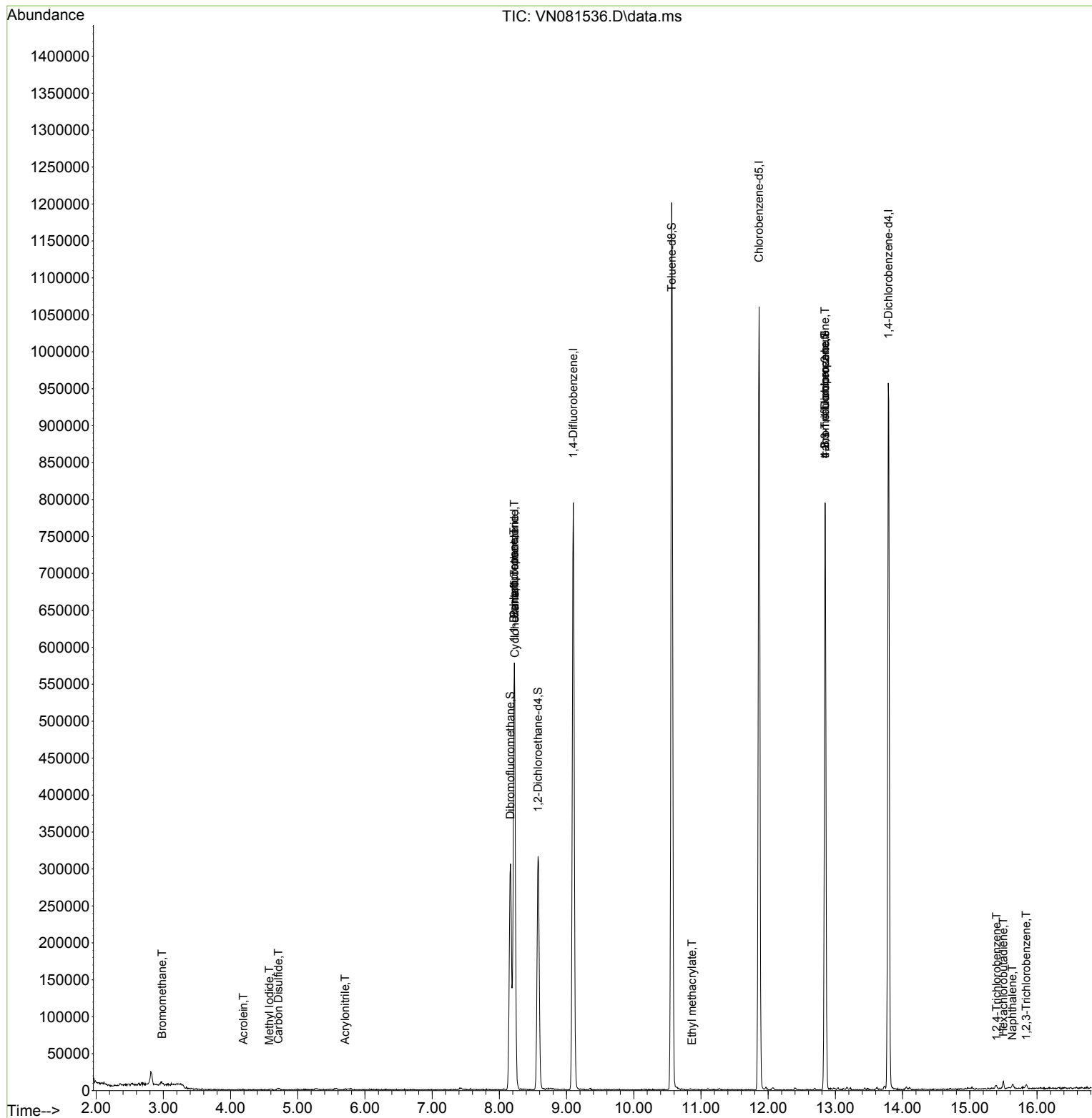
Internal Standards						
1) Pentafluorobenzene	8.224	168	417805	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	713764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	624180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	261990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	256799	48.197	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.400%		
35) Dibromofluoromethane	8.165	113	220699	48.994	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.980%		
50) Toluene-d8	10.565	98	838396	51.487	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.980%		
62) 4-Bromofluorobenzene	12.847	95	262529	45.755	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	91.520%		
Target Compounds						
						Qvalue
5) Bromomethane	2.983	94	1880	0.423	ug/l	# 71
10) Methyl Iodide	4.577	142	1941	0.366	ug/l	# 79
13) Acrolein	4.189	56	369	0.443	ug/l	# 76
15) Acrylonitrile	5.706	53	526	0.212	ug/l	# 68
17) Carbon Disulfide	4.712	76	4288	0.303	ug/l	# 78
31) Cyclohexane	8.230	56	9625	1.110	ug/l	# 1
36) 1,1-Dichloropropene	8.218	75	33675	4.442	ug/l	# 52
38) Carbon Tetrachloride	8.224	117	41968	5.054	ug/l	# 20
56) Ethyl methacrylate	10.865	69	59	0.578	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	141115	22.517	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	141115	60.849	ug/l	# 14
93) 1,2,4-Trichlorobenzene	15.400	180	2812	0.499	ug/l	# 88
94) Hexachlorobutadiene	15.500	225	1805	0.729	ug/l	91
95) Naphthalene	15.635	128	7042	0.385	ug/l	# 95
96) 1,2,3-Trichlorobenzene	15.841	180	2397	0.422	ug/l	87

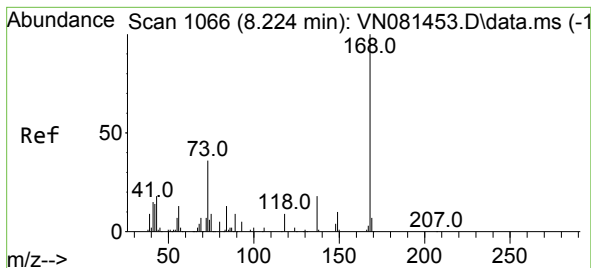
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081536.D

Acq: 22 Mar 2024 10:05

Instrument :

MSVOA_N

ClientSampleId :

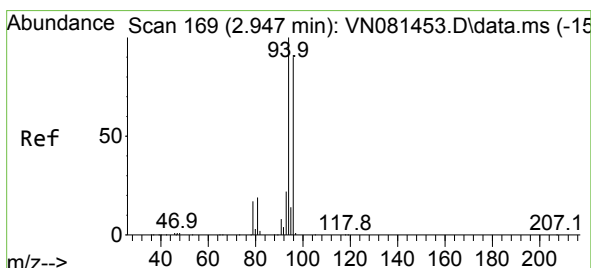
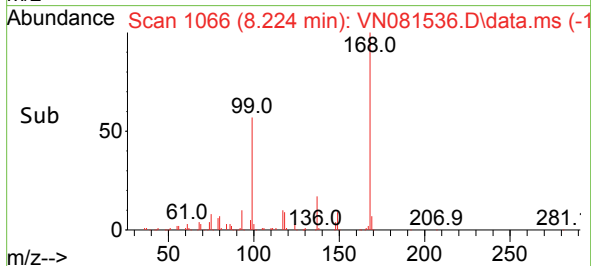
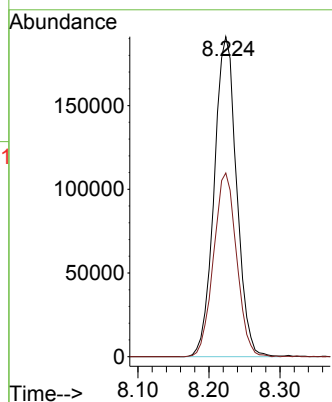
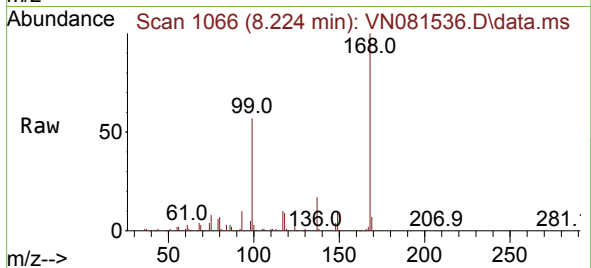
VN0322MBL01

Tgt Ion:168 Resp: 417805

Ion Ratio Lower Upper

168 100

99 57.4 59.9 89.9#



#5

Bromomethane

Concen: 0.423 ug/l

RT: 2.983 min Scan# 175

Delta R.T. 0.035 min

Lab File: VN081536.D

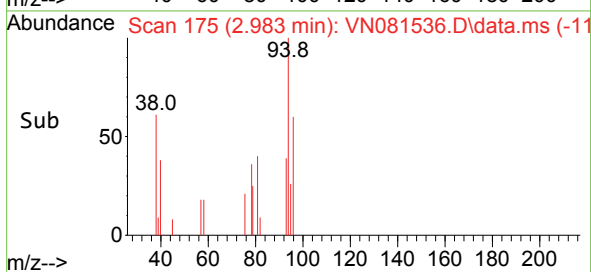
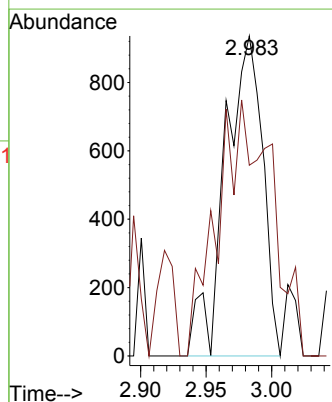
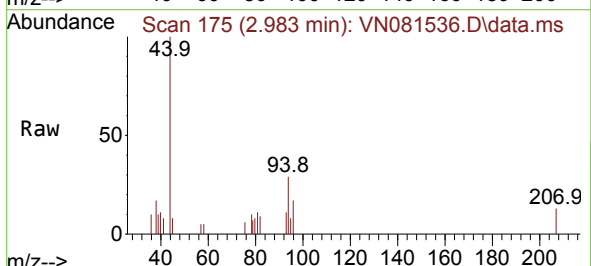
Acq: 22 Mar 2024 10:05

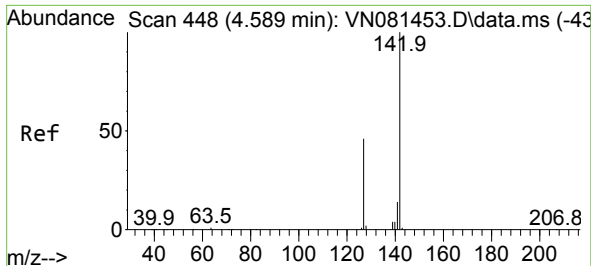
Tgt Ion: 94 Resp: 1880

Ion Ratio Lower Upper

94 100

96 59.6 69.2 103.8#

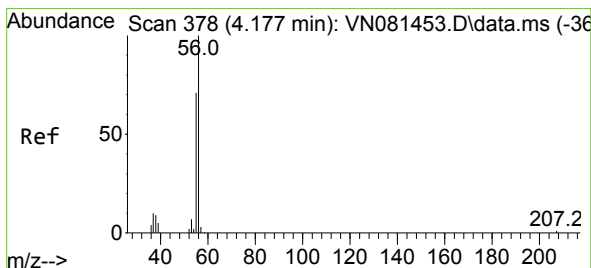
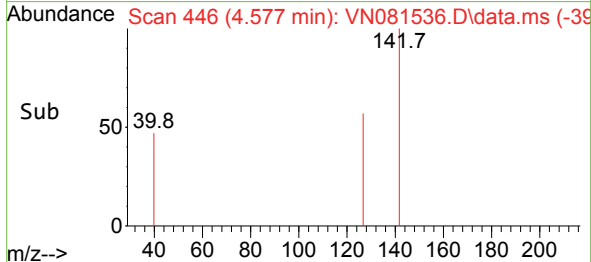
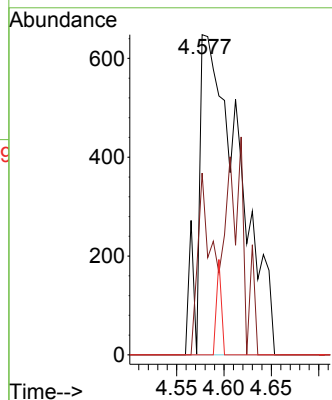
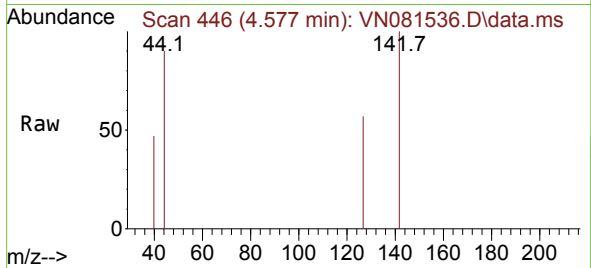




#10
Methyl Iodide
Concen: 0.366 ug/l
RT: 4.577 min Scan# 448
Delta R.T. -0.012 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

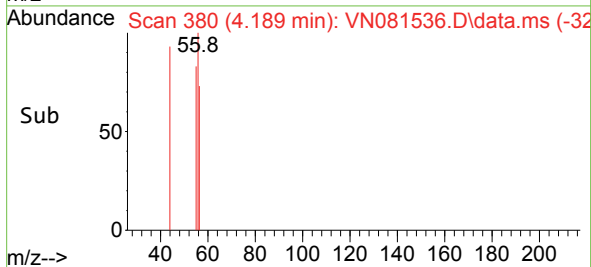
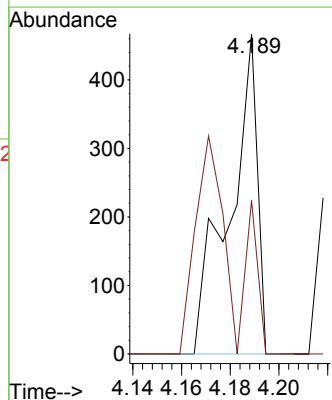
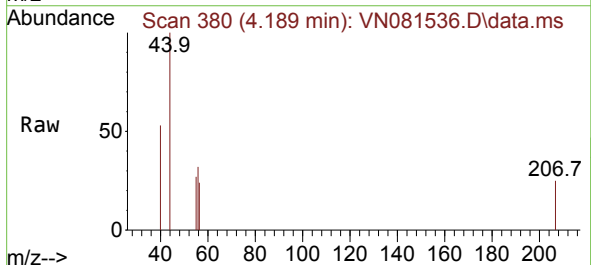
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

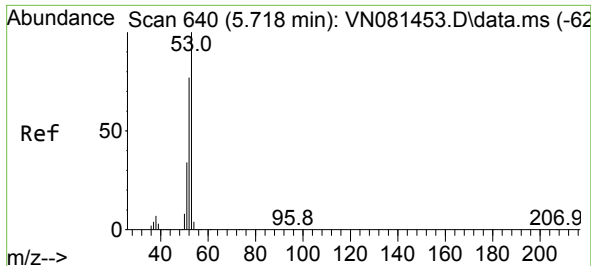
Tgt Ion:142 Resp: 1941
Ion Ratio Lower Upper
142 100
127 56.8 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 0.443 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

Tgt Ion: 56 Resp: 369
Ion Ratio Lower Upper
56 100
55 88.3 55.3 82.9#

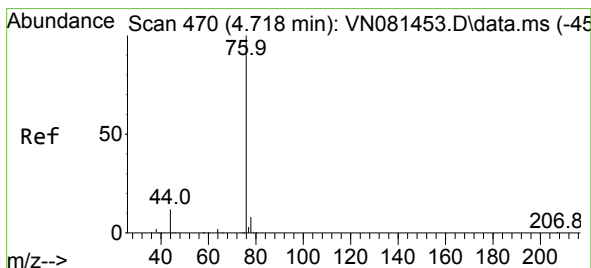
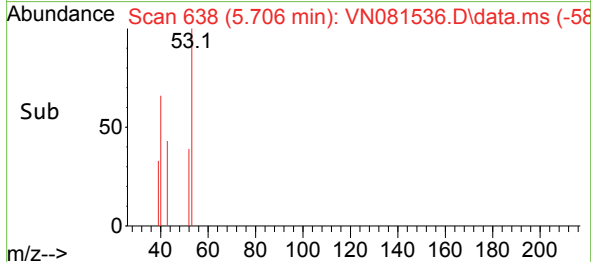
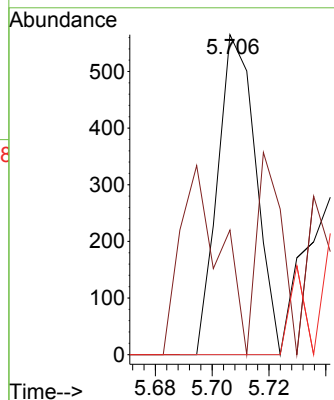
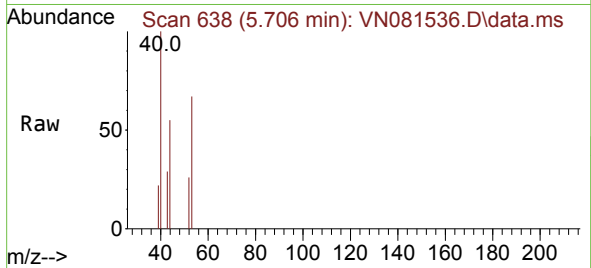




#15
Acrylonitrile
Concen: 0.212 ug/l
RT: 5.706 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

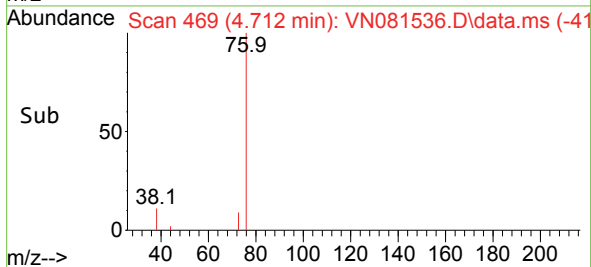
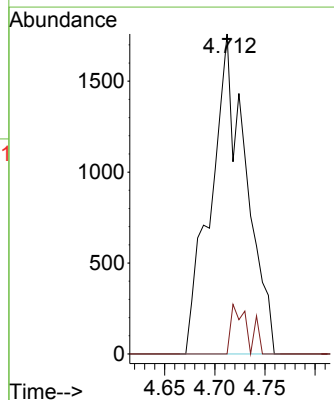
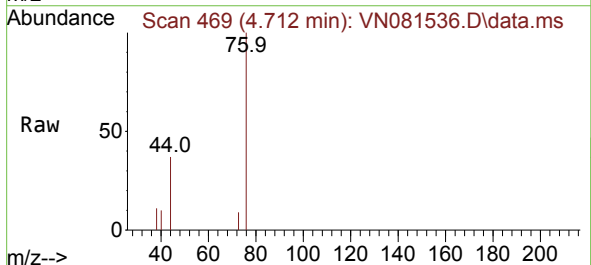
Instrument :
MSVOA_N
ClientSampleId :
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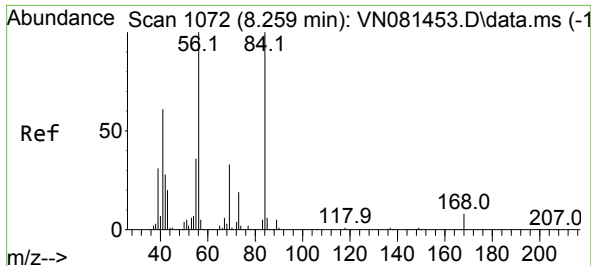
Tgt Ion: 53 Resp: 526
Ion Ratio Lower Upper
53 100
52 62.2 64.8 97.2#
51 0.0 26.9 40.3#



#17
Carbon Disulfide
Concen: 0.303 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

Tgt Ion: 76 Resp: 4288
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

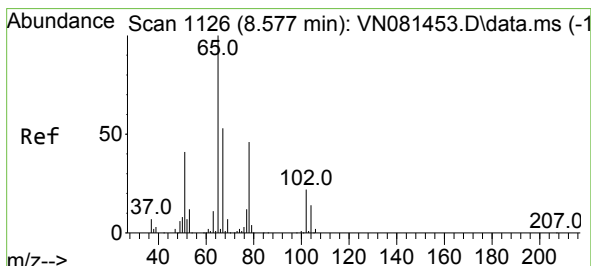
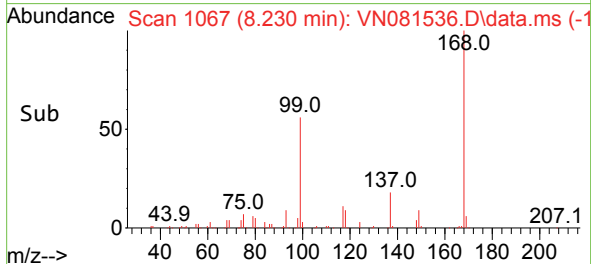
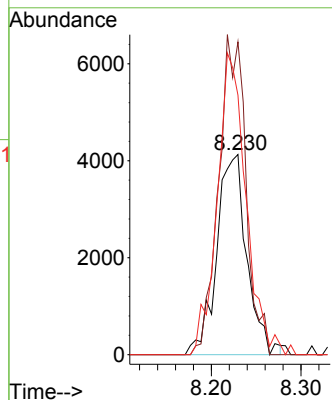
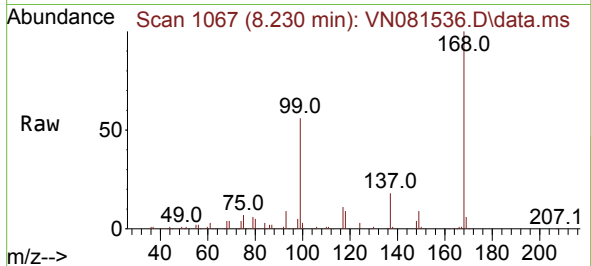




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

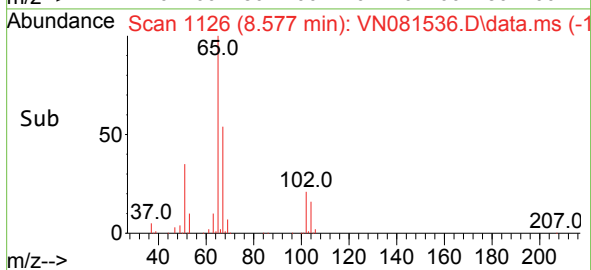
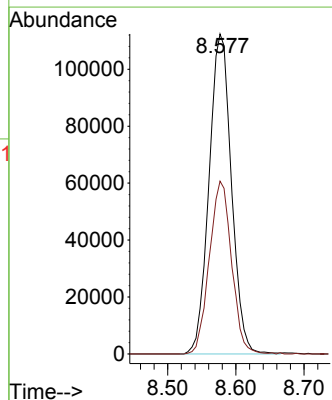
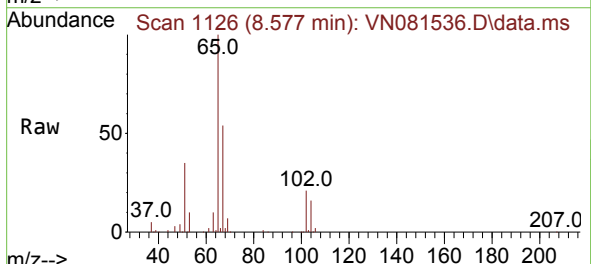
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

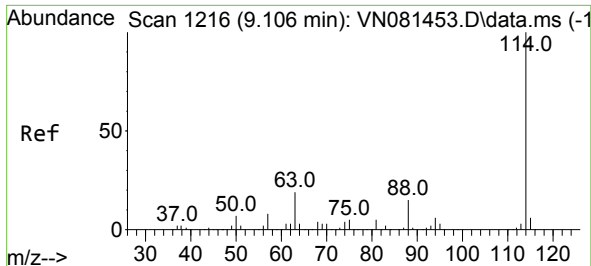
Tgt Ion: 56 Resp: 9625
Ion Ratio Lower Upper
56 100
69 156.3 20.1 30.1#
84 135.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 48.197 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

Tgt Ion: 65 Resp: 256799
Ion Ratio Lower Upper
65 100
67 53.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081536.D

Acq: 22 Mar 2024 10:05

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBL01

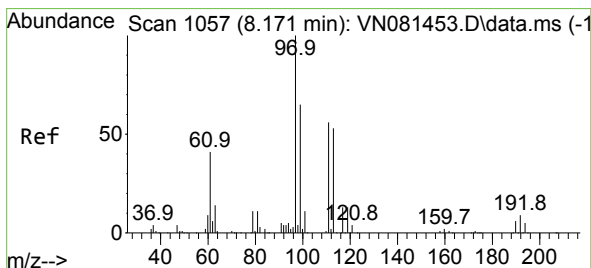
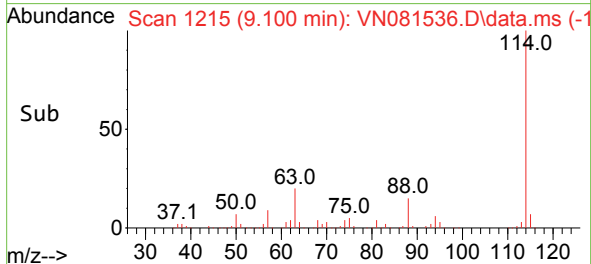
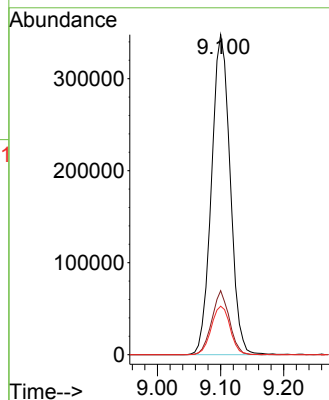
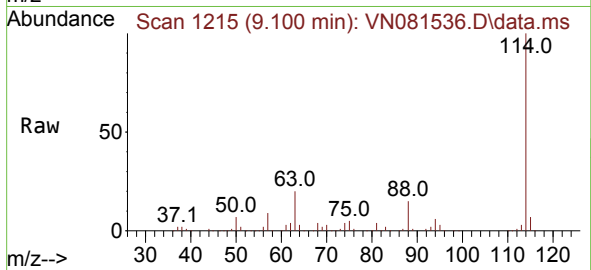
Tgt Ion:114 Resp: 713764

Ion Ratio Lower Upper

114 100

63 20.0 0.0 48.0

88 15.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.994 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081536.D

Acq: 22 Mar 2024 10:05

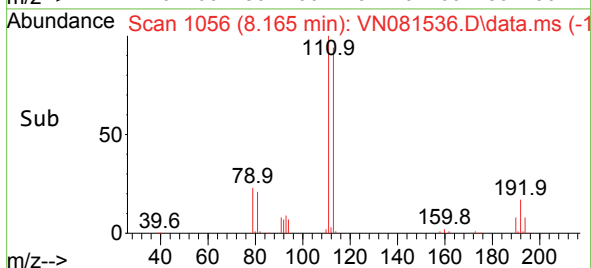
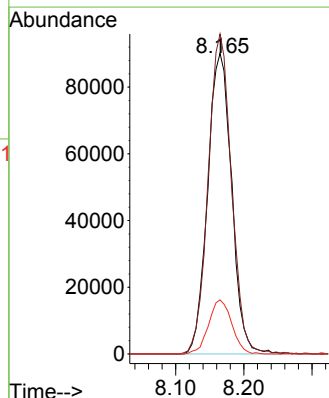
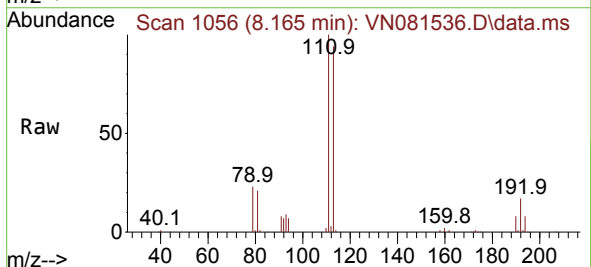
Tgt Ion:113 Resp: 220699

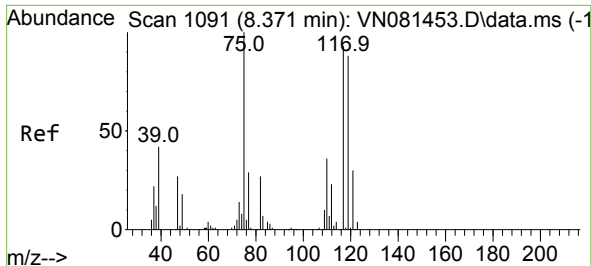
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 17.4 12.5 18.7

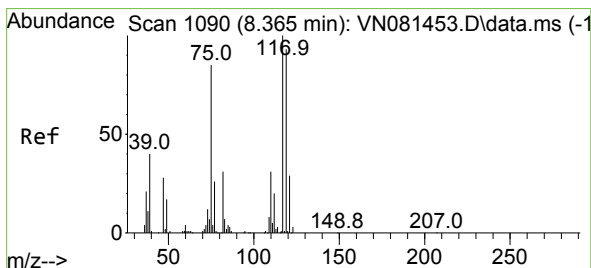
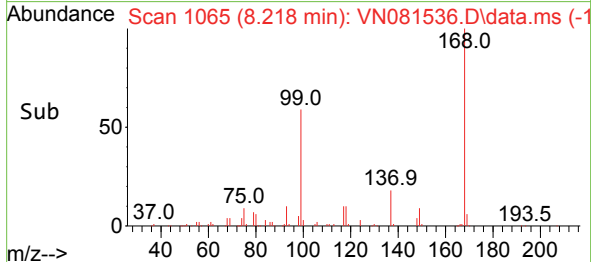
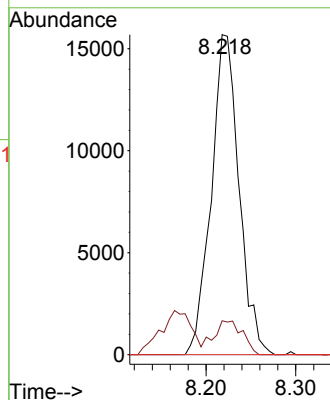
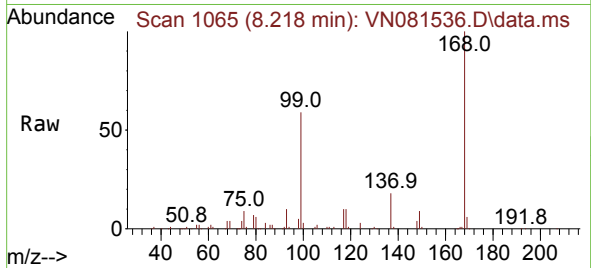




#36
 1,1-Dichloropropene
 Concen: 4.442 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.153 min
 Lab File: VN081536.D
 Acq: 22 Mar 2024 10:05

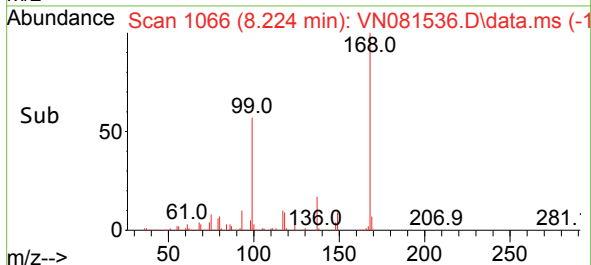
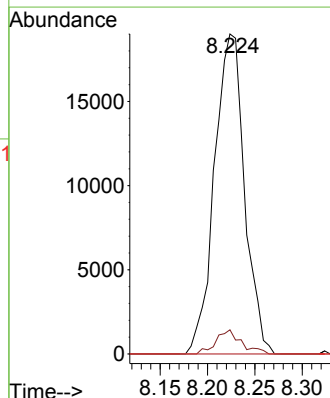
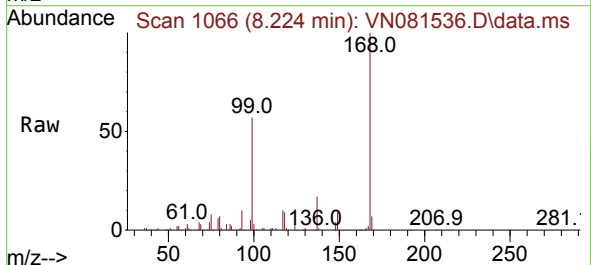
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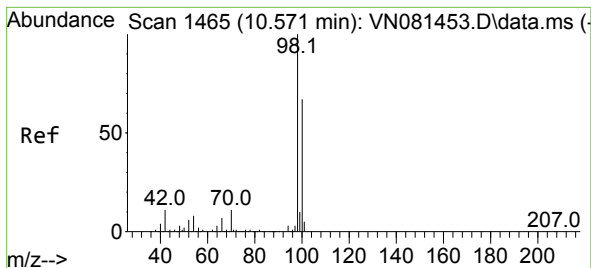
Tgt Ion: 75 Resp: 33675
 Ion Ratio Lower Upper
 75 100
 110 11.0 16.0 48.0#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 5.054 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN081536.D
 Acq: 22 Mar 2024 10:05

Tgt Ion: 117 Resp: 41968
 Ion Ratio Lower Upper
 117 100
 119 7.6 73.4 110.2#
 121 0.0 24.4 36.6#

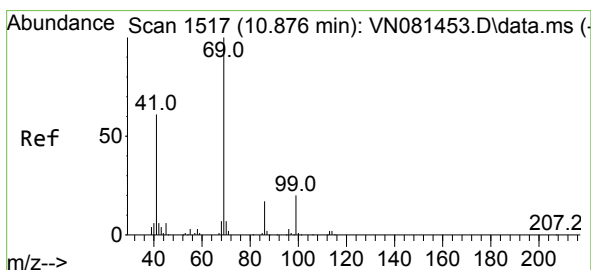
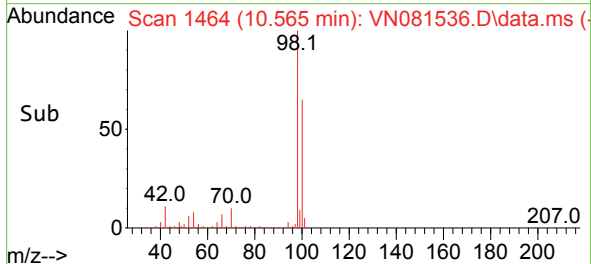
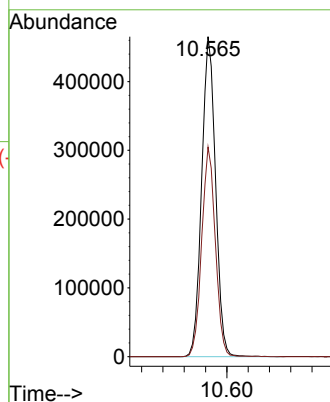
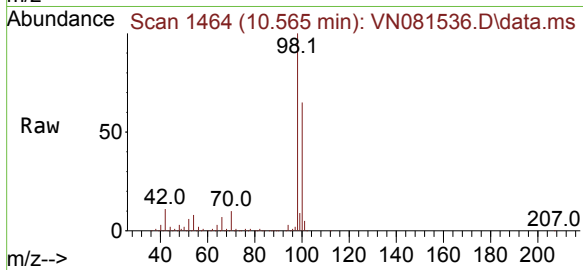




#50
Toluene-d8
Concen: 51.487 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

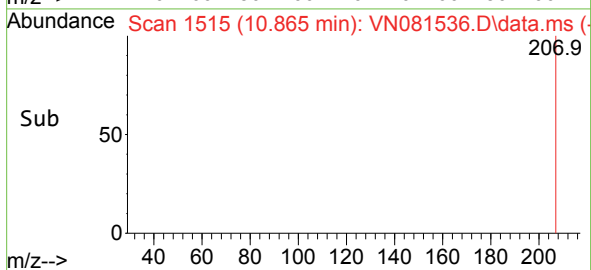
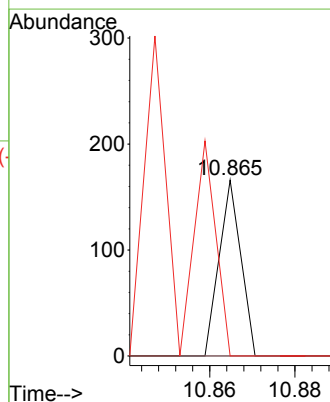
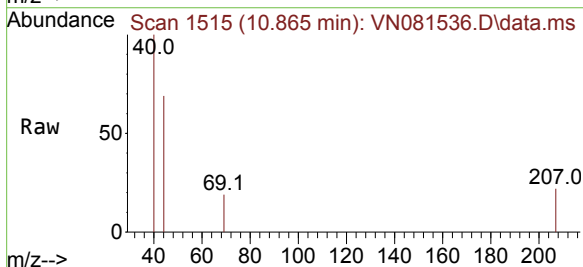
Instrument :
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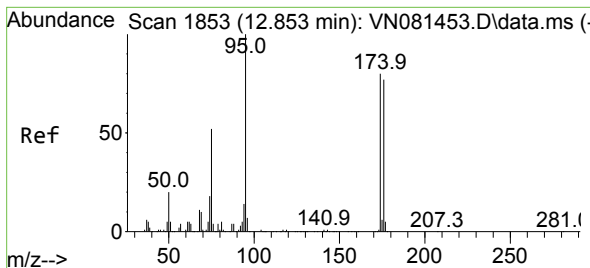
Tgt Ion: 98 Resp: 838396
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#56
Ethyl methacrylate
Concen: 0.578 ug/l
RT: 10.865 min Scan# 1515
Delta R.T. -0.011 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

Tgt Ion: 69 Resp: 59
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 301.7 31.8 47.6#

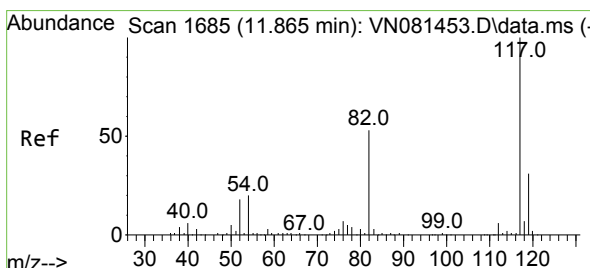
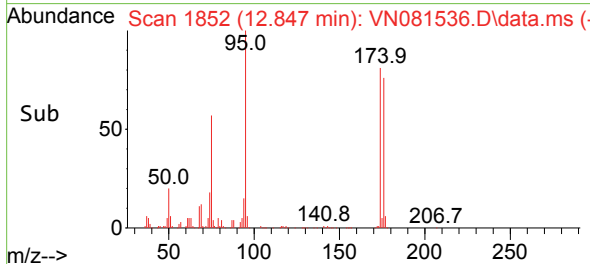
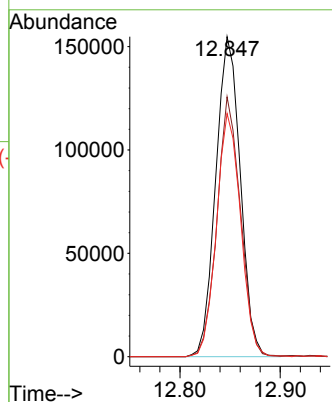
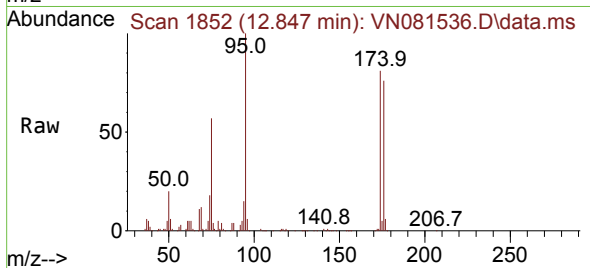




#62
4-Bromofluorobenzene
Concen: 45.755 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

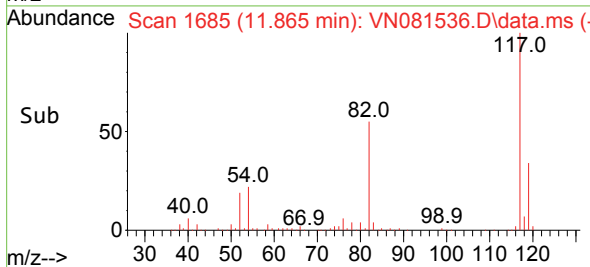
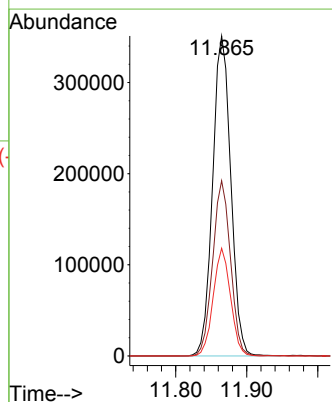
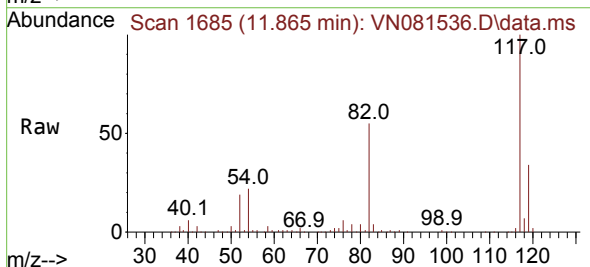
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

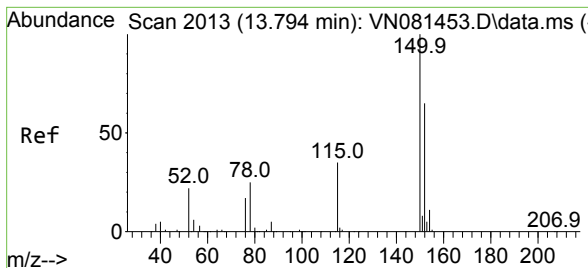
Tgt Ion: 95 Resp: 262529
Ion Ratio Lower Upper
95 100
174 77.8 0.0 120.4
176 74.8 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

Tgt Ion: 117 Resp: 624180
Ion Ratio Lower Upper
117 100
82 54.7 52.7 79.1
119 33.7 25.3 37.9

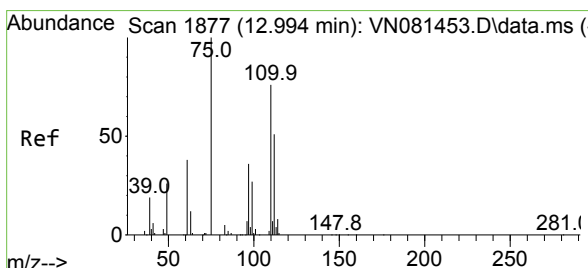
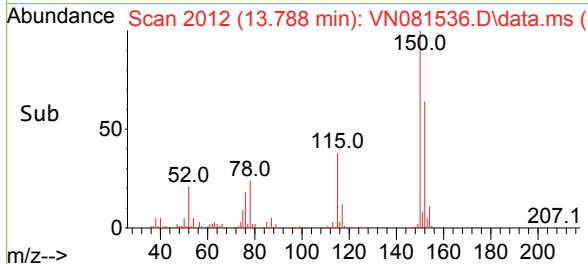
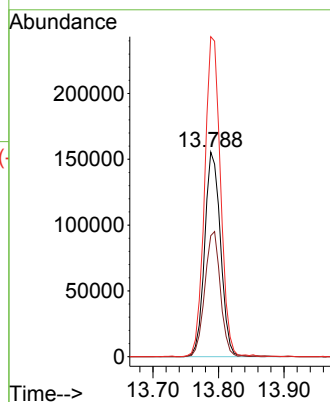
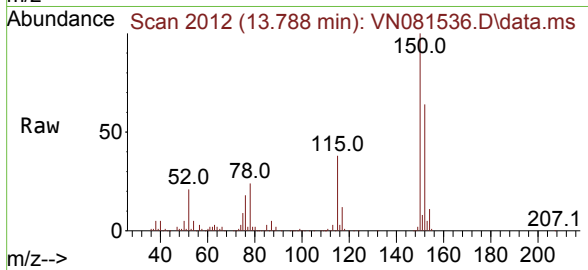




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

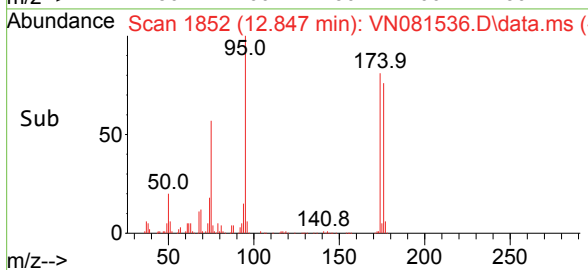
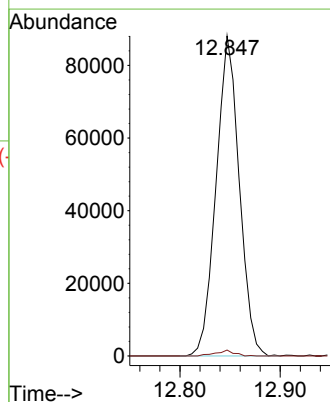
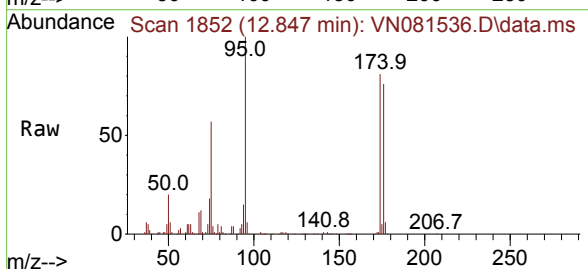
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

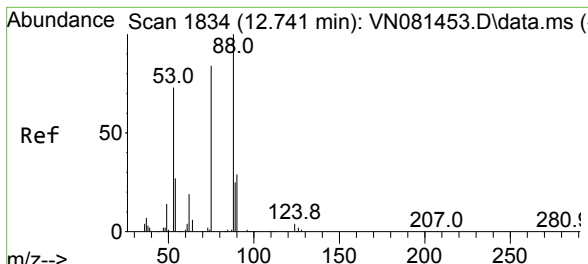
Tgt Ion:152 Resp: 261990
Ion Ratio Lower Upper
152 100
115 60.1 32.3 96.8
150 156.2 0.0 339.8



#76
1,2,3-Trichloropropane
Concen: 22.517 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

Tgt Ion: 75 Resp: 141115
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#

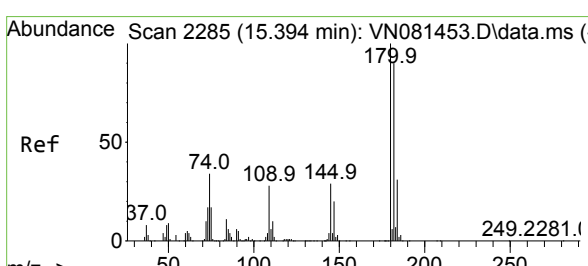
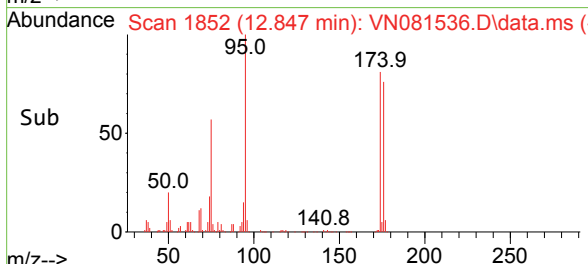
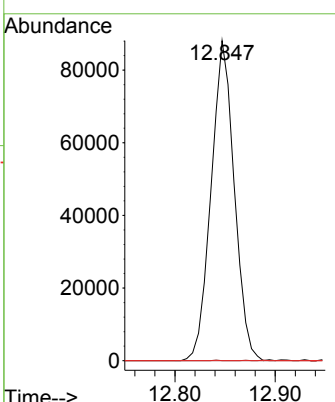
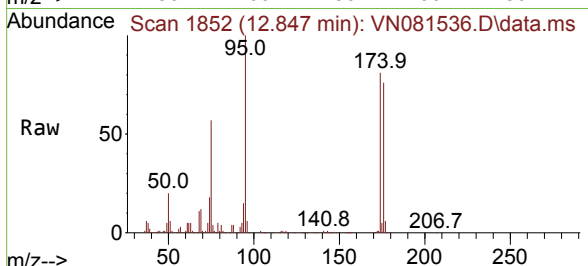




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.849 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN081536.D
 Acq: 22 Mar 2024 10:05

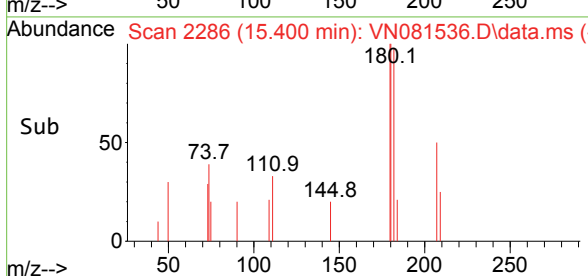
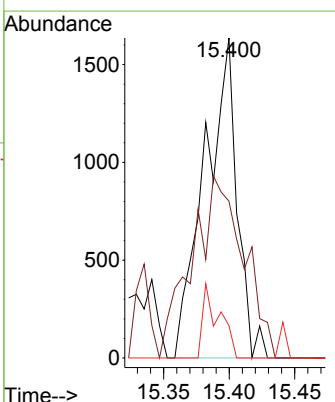
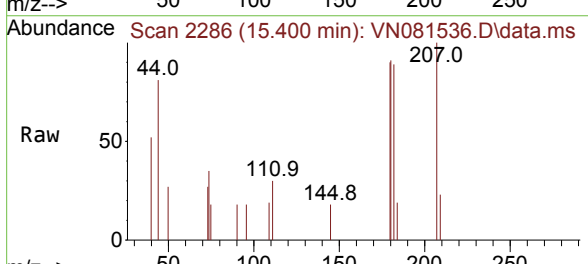
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBL01

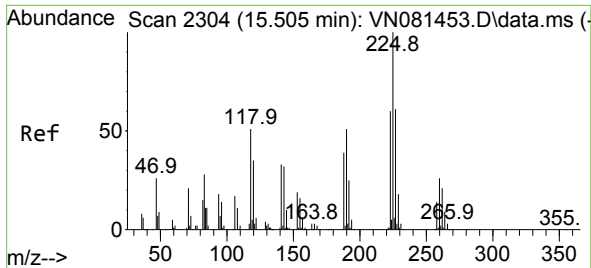
Tgt Ion:	75	Resp:	141115
Ion Ratio	Lower	Upper	
75	100		
53	0.0	71.4	107.2#
89	0.0	33.4	50.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.499 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. 0.006 min
 Lab File: VN081536.D
 Acq: 22 Mar 2024 10:05

Tgt Ion:	180	Resp:	2812
Ion Ratio	Lower	Upper	
180	100		
182	90.4	46.6	139.7
145	11.8	16.8	50.3#

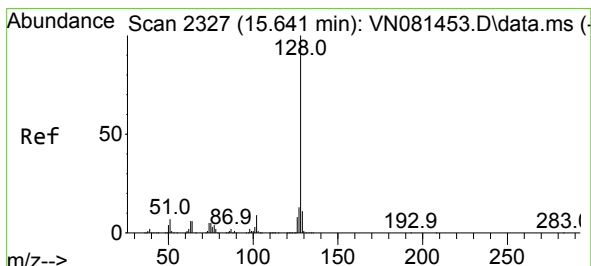
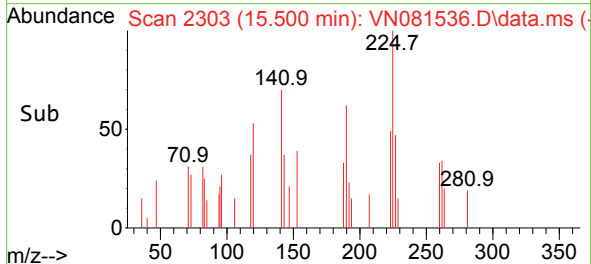
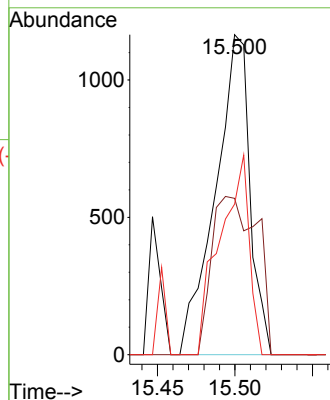
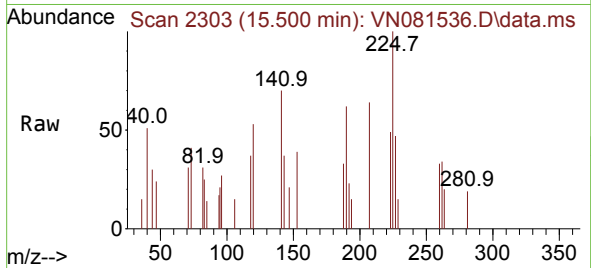




#94
Hexachlorobutadiene
Concen: 0.729 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

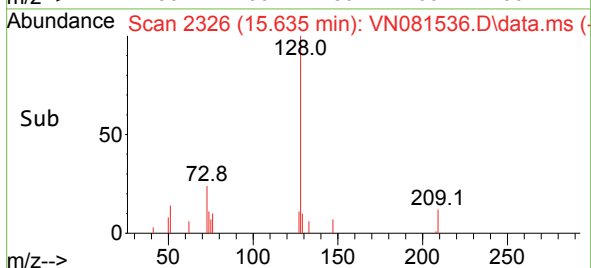
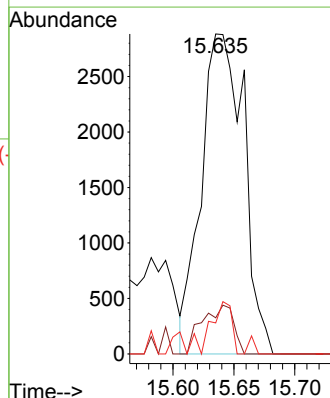
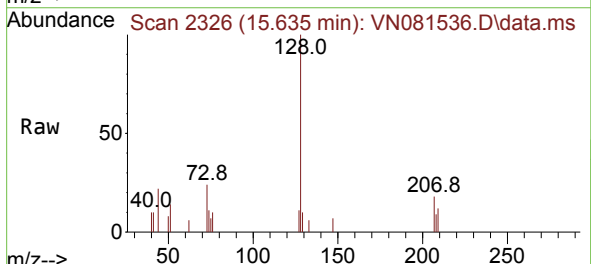
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

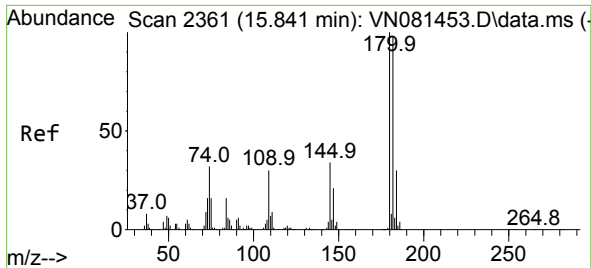
Tgt Ion:225 Resp: 1805
Ion Ratio Lower Upper
225 100
223 64.9 33.3 99.8
227 52.7 33.1 99.2



#95
Naphthalene
Concen: 0.385 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN081536.D
Acq: 22 Mar 2024 10:05

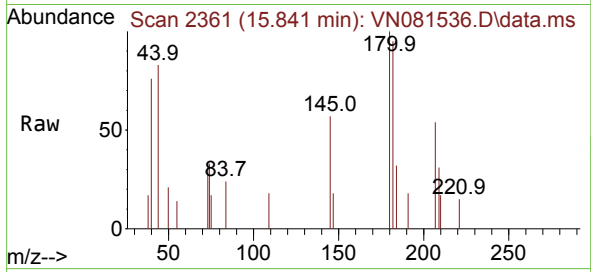
Tgt Ion:128 Resp: 7042
Ion Ratio Lower Upper
128 100
127 11.3 10.0 15.0
129 8.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.422 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN081536.D
 Acq: 22 Mar 2024 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBL01



Tgt Ion:	180	Resp:	2397
Ion	Ratio	Lower	Upper
180	100		
182	80.0	46.5	139.3
145	28.2	17.8	53.4

