

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032524\
 Data File : VN081566.D
 Acq On : 25 Mar 2024 17:16
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 26 01:21:31 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)

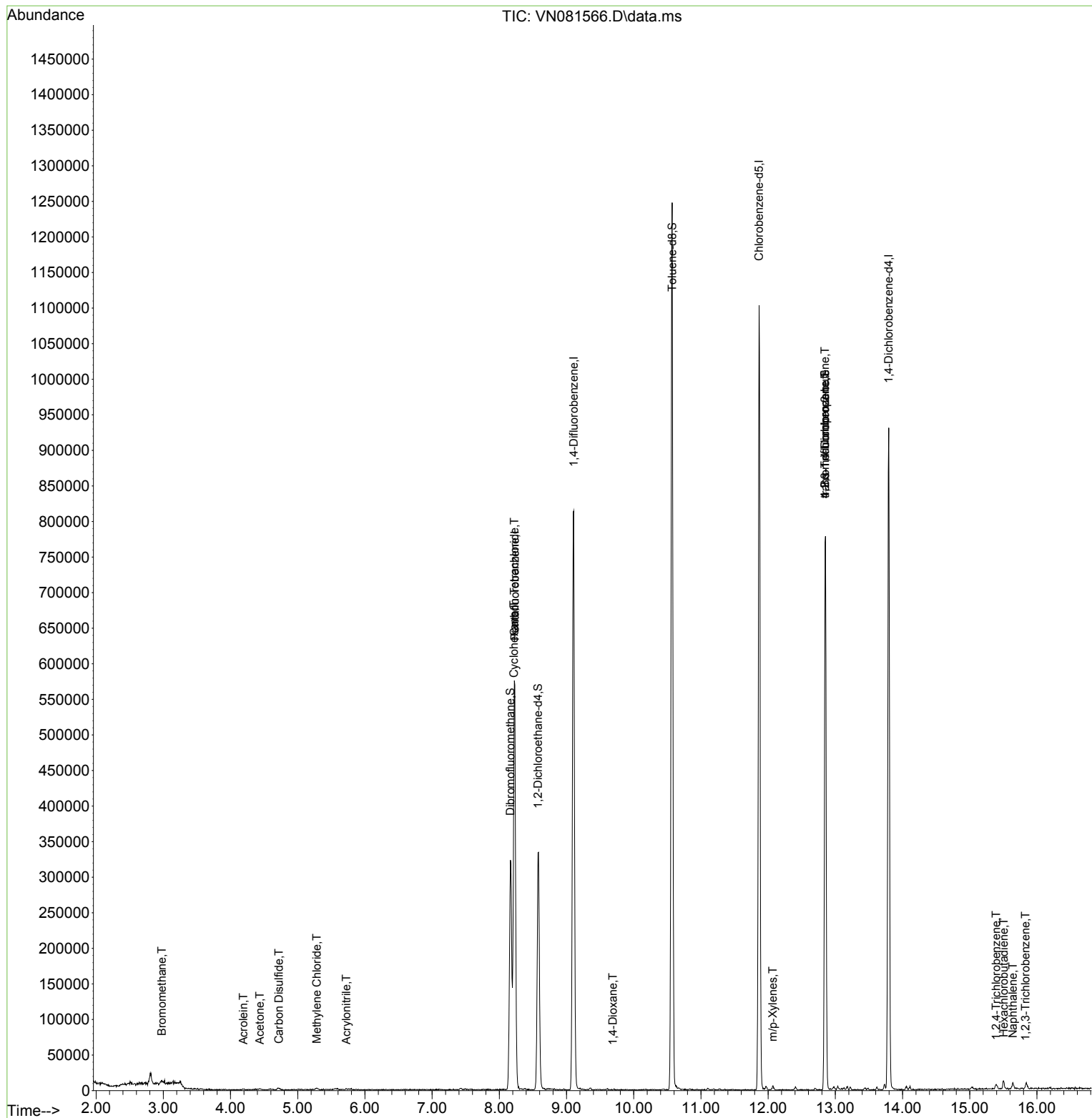
Internal Standards						
1) Pentafluorobenzene	8.230	168	422257	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	728379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	651350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	254961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	275923	51.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 102.480%		
35) Dibromofluoromethane	8.165	113	232343	50.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 101.080%		
50) Toluene-d8	10.571	98	867032	52.178	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 104.360%		
62) 4-Bromofluorobenzene	12.847	95	271577	46.382	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery	= 92.760%		
Target Compounds						Qvalue
5) Bromomethane	2.977	94	2036	0.453	ug/l	94
13) Acrolein	4.189	56	942	1.119	ug/l #	42
15) Acrylonitrile	5.724	53	1354	0.539	ug/l #	64
16) Acetone	4.436	43	2661	1.529	ug/l #	50
17) Carbon Disulfide	4.718	76	5567	0.389	ug/l #	78
20) Methylene Chloride	5.283	84	2015	0.353	ug/l #	40
31) Cyclohexane	8.218	56	10340	1.180	ug/l #	7
38) Carbon Tetrachloride	8.224	117	44886	5.297	ug/l #	19
49) 1,4-Dioxane	9.688	88	76	0.624	ug/l #	18
68) m/p-Xylenes	12.071	106	2074	0.207	ug/l	74
76) 1,2,3-Trichloropropane	12.847	75	144405	23.678	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	144405	63.985	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.394	180	2772	0.505	ug/l	87
94) Hexachlorobutadiene	15.506	225	2646	1.099	ug/l	81
95) Naphthalene	15.641	128	8586	0.483	ug/l	98
96) 1,2,3-Trichlorobenzene	15.829	180	1787	0.324	ug/l #	13

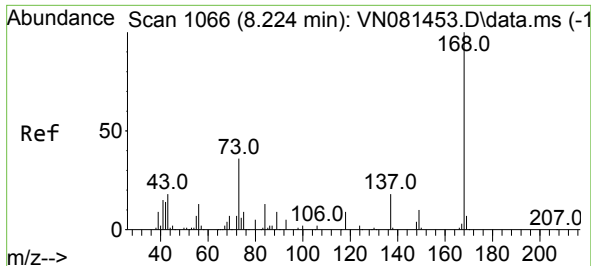
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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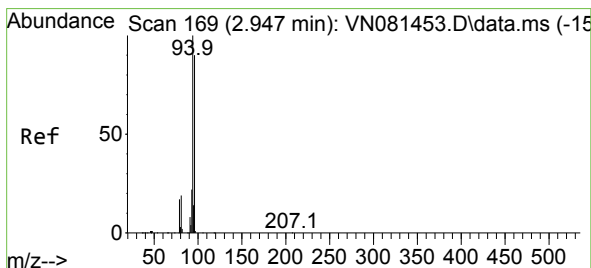
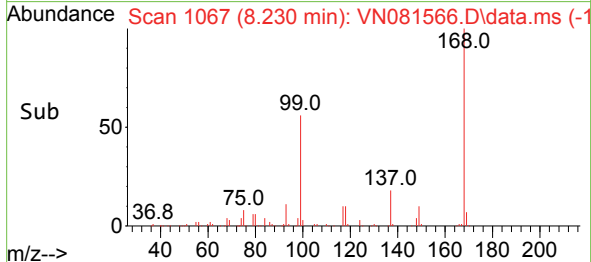
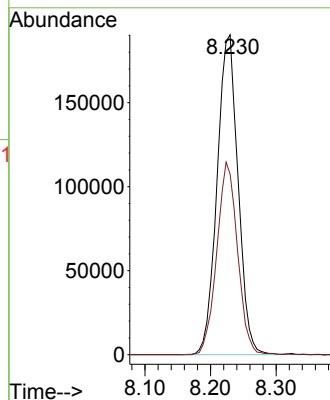
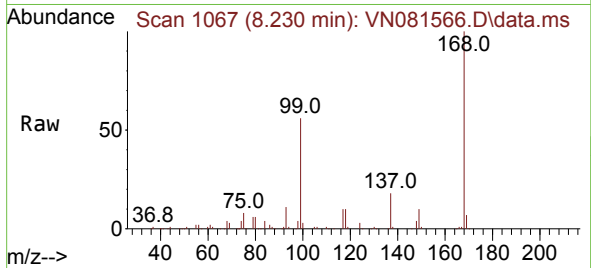




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

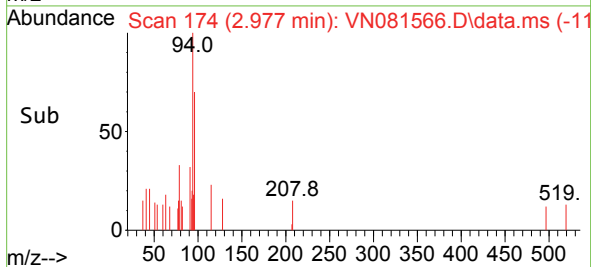
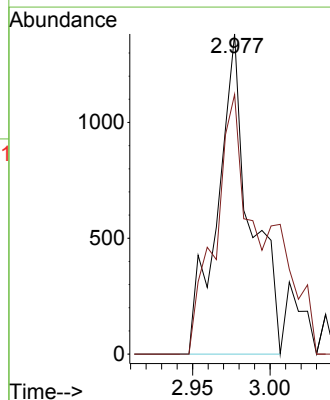
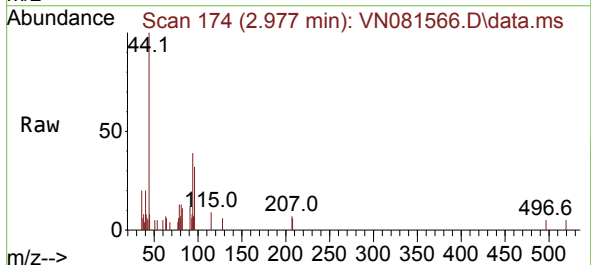
Instrument :
MSVOA_N
ClientSampleId :
IBLK

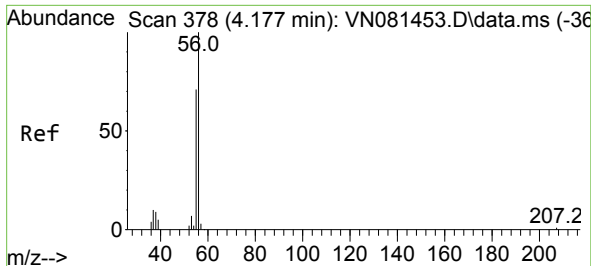
Tgt Ion:168 Resp: 422257
Ion Ratio Lower Upper
168 100
99 56.4 59.9 89.9#



#5
Bromomethane
Concen: 0.453 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.030 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

Tgt Ion: 94 Resp: 2036
Ion Ratio Lower Upper
94 100
96 81.1 69.2 103.8

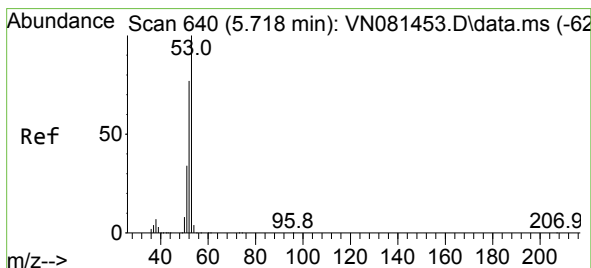
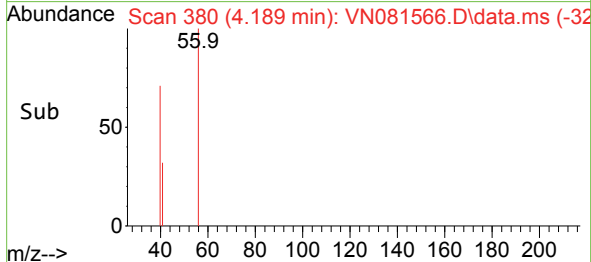
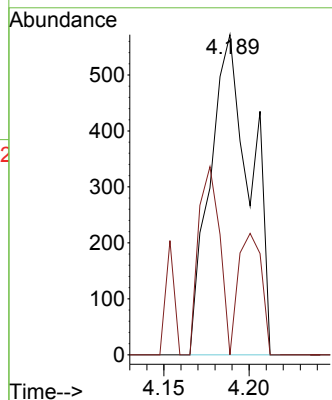
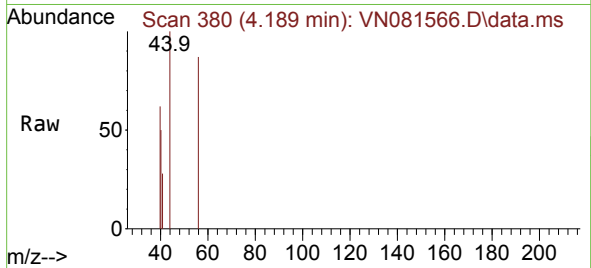




#13
Acrolein
Concen: 1.119 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

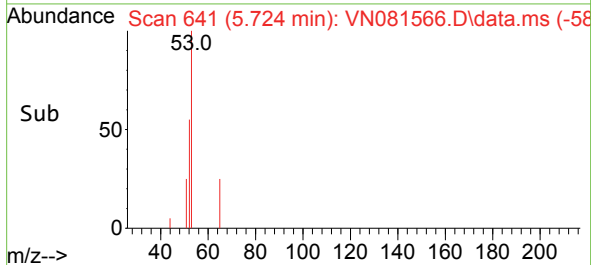
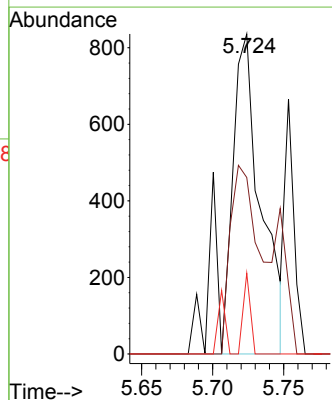
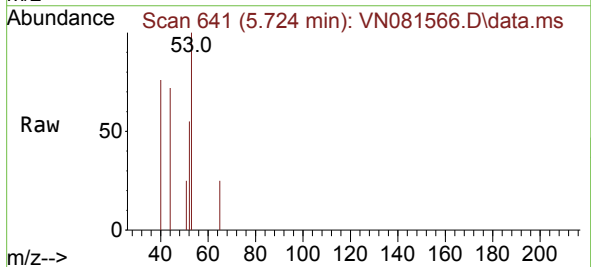
Instrument :
MSVOA_N
ClientSampleId :
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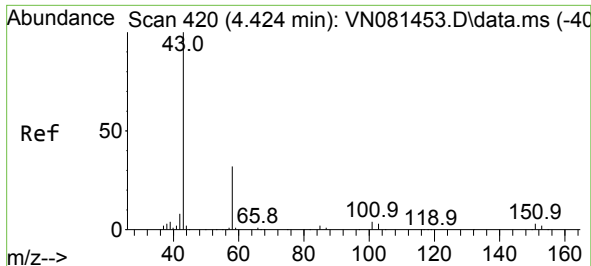
Tgt Ion: 56 Resp: 942
Ion Ratio Lower Upper
56 100
55 21.8 55.3 82.9#



#15
Acrylonitrile
Concen: 0.539 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

Tgt Ion: 53 Resp: 1354
Ion Ratio Lower Upper
53 100
52 53.6 64.8 97.2#
51 5.5 26.9 40.3#

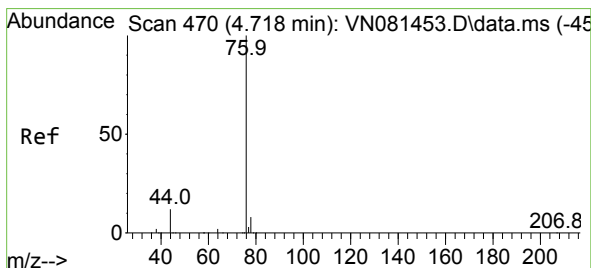
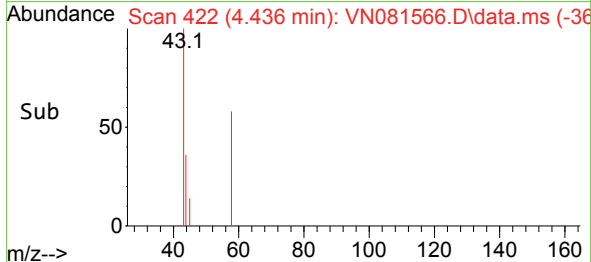
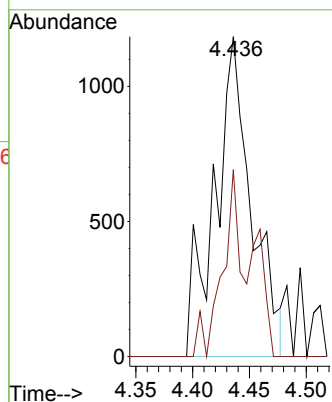
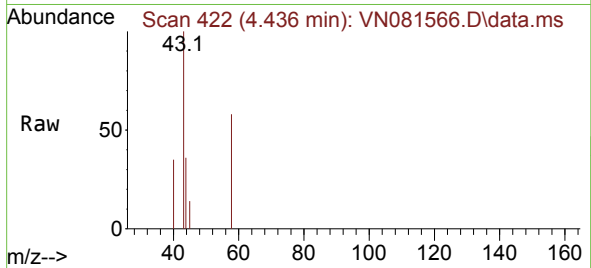




#16
Acetone
Concen: 1.529 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

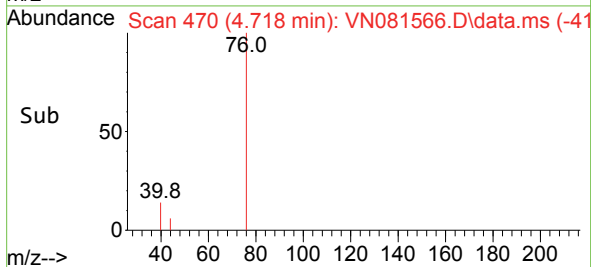
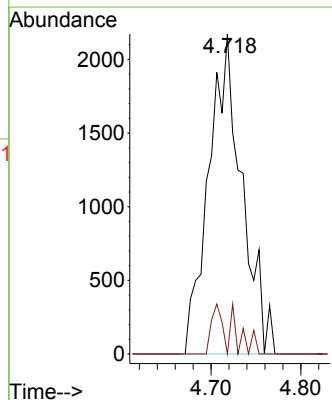
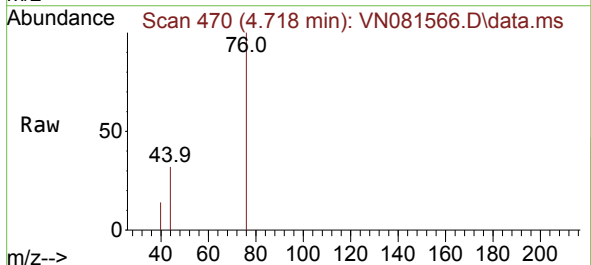
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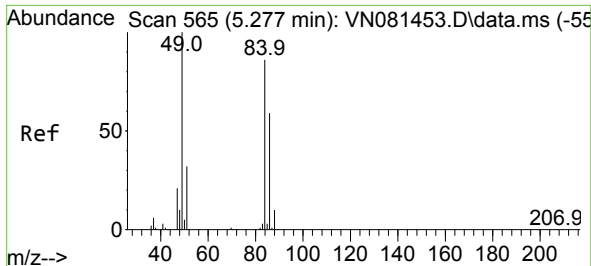
Tgt Ion: 43 Resp: 2661
Ion Ratio Lower Upper
43 100
58 58.4 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.389 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.000 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

Tgt Ion: 76 Resp: 5567
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

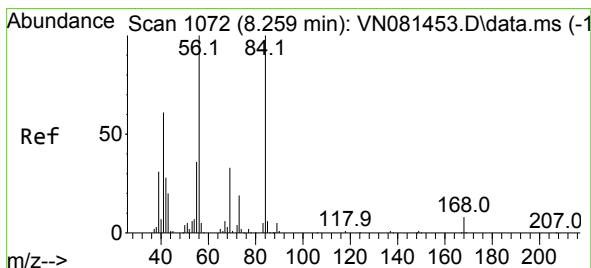
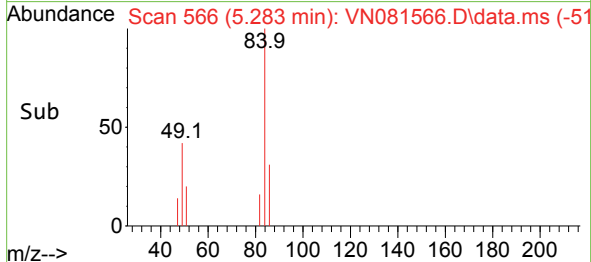
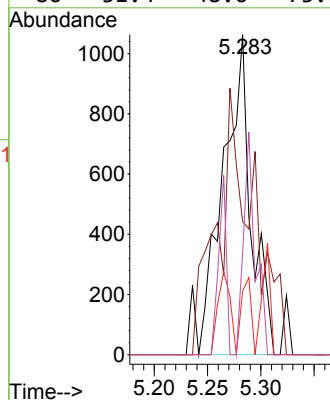
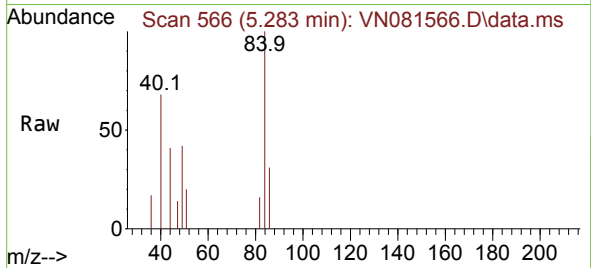




#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

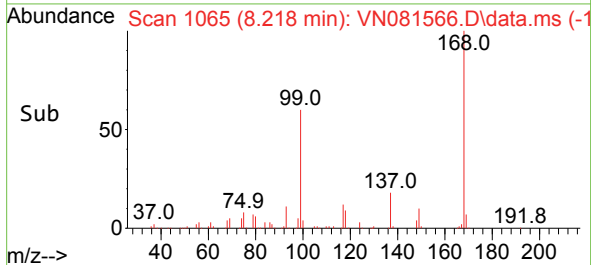
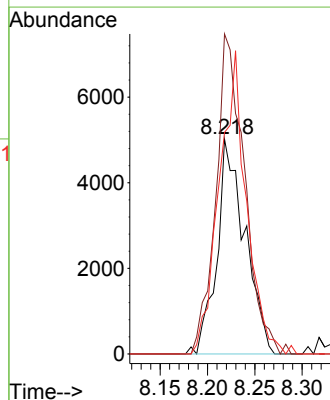
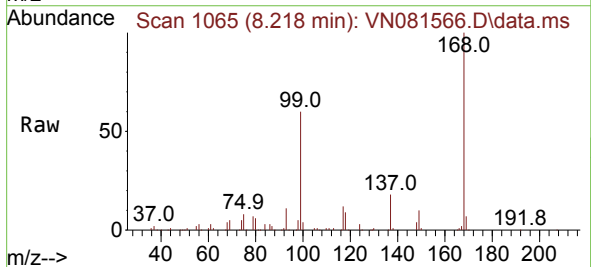
Instrument :
MSVOA_N
ClientSampleId :
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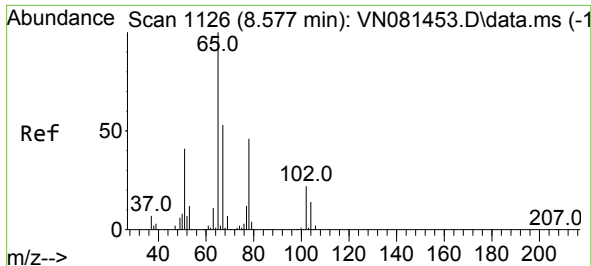
Tgt Ion:	84	Resp:	2015
Ion	Ratio	Lower	Upper
84	100		
49	41.7	108.1	162.1#
51	19.8	32.9	49.3#
86	31.4	48.6	73.0#



#31
Cyclohexane
Concen: 1.180 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

Tgt Ion:	56	Resp:	10340
Ion	Ratio	Lower	Upper
56	100		
69	148.9	20.1	30.1#
84	103.1	56.9	85.3#

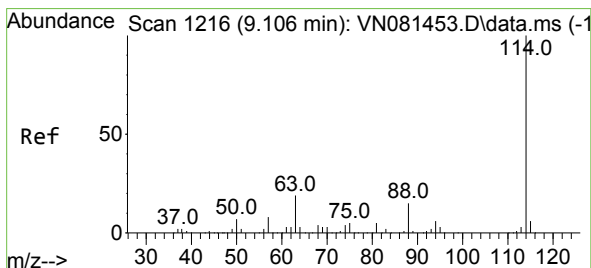
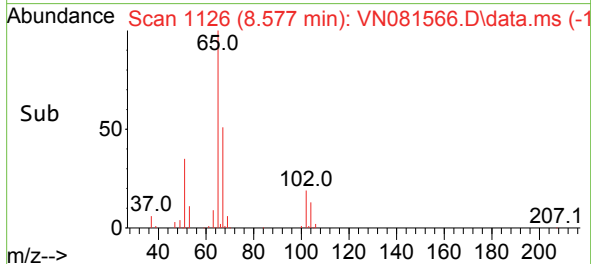
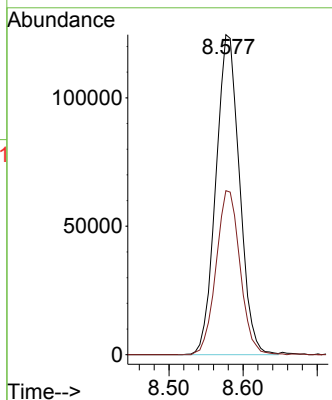
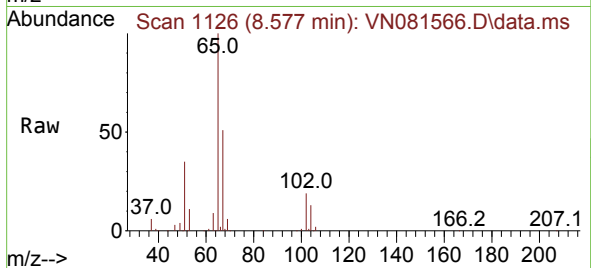




#33
 1,2-Dichloroethane-d4
 Concen: 51.240 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN081566.D
 Acq: 25 Mar 2024 17:16

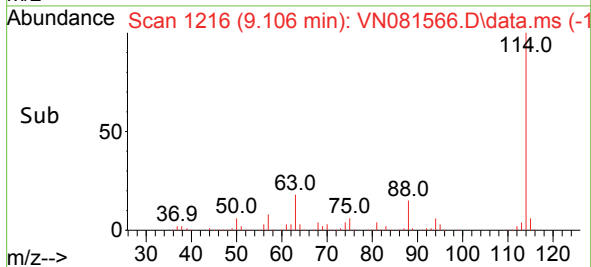
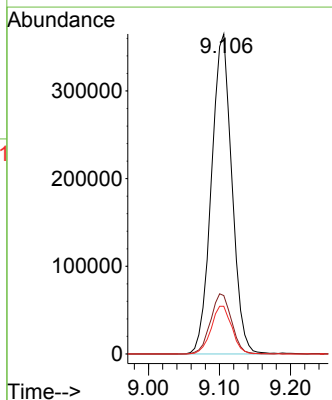
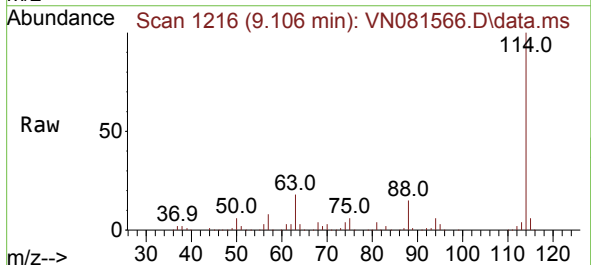
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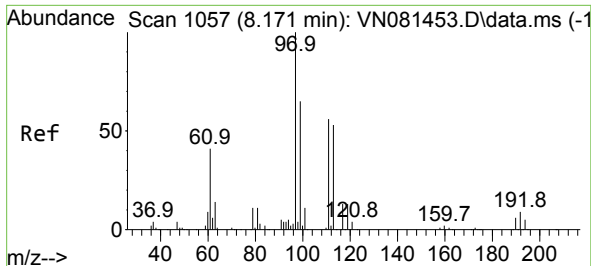
Tgt Ion: 65 Resp: 275923
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN081566.D
 Acq: 25 Mar 2024 17:16

Tgt Ion: 114 Resp: 728379
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 48.0
 88 14.9 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.544 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081566.D

Acq: 25 Mar 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

IBLK

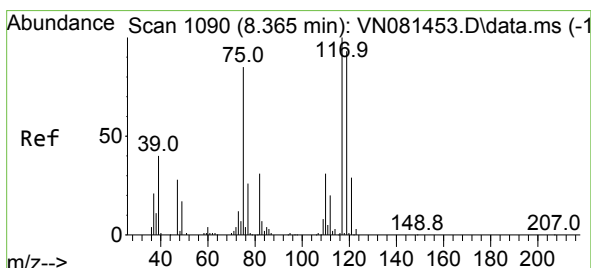
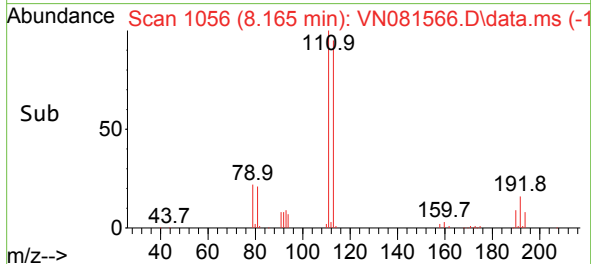
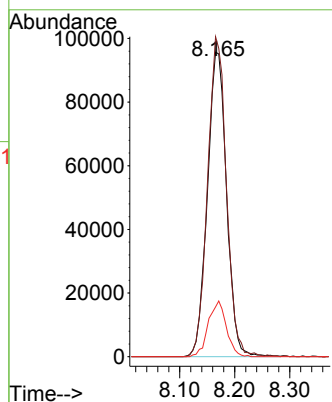
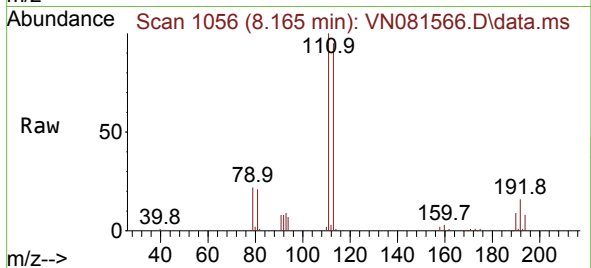
Tgt Ion:113 Resp: 232343

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 17.3 12.5 18.7



#38

Carbon Tetrachloride

Concen: 5.297 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081566.D

Acq: 25 Mar 2024 17:16

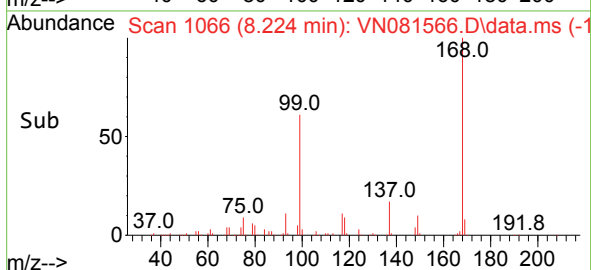
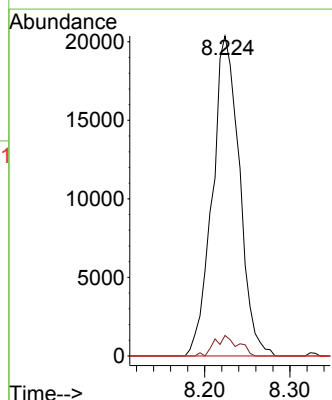
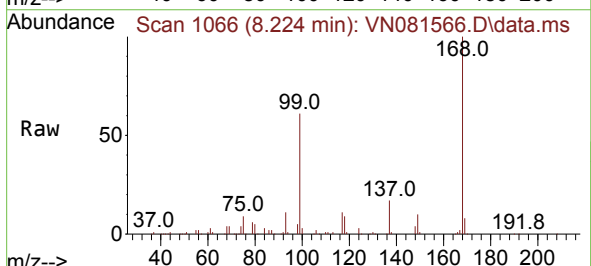
Tgt Ion:117 Resp: 44886

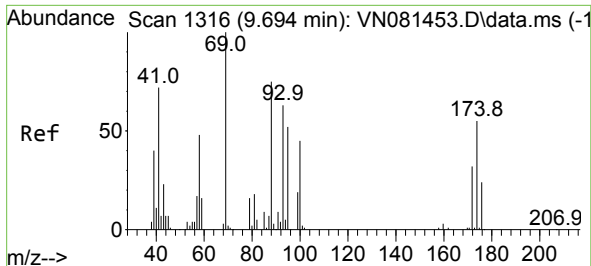
Ion Ratio Lower Upper

117 100

119 6.4 73.4 110.2#

121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.624 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081566.D

Acq: 25 Mar 2024 17:16

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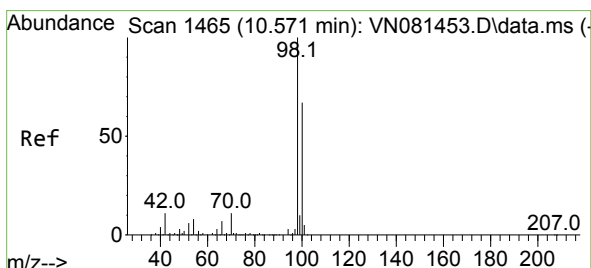
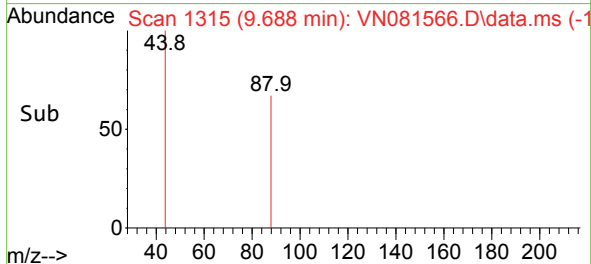
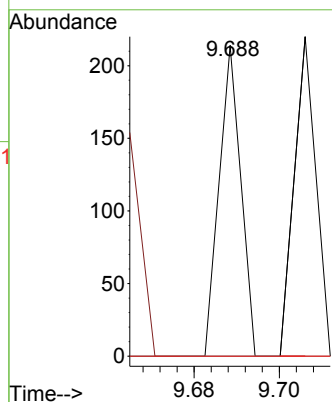
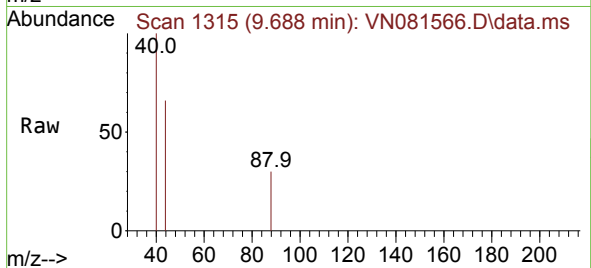
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 52.178 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081566.D

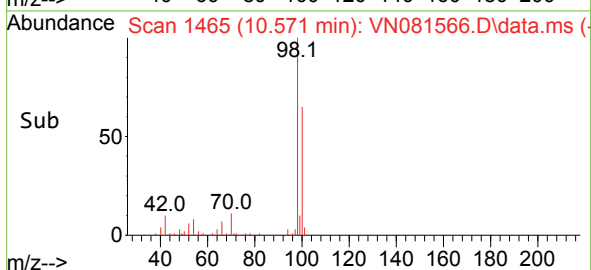
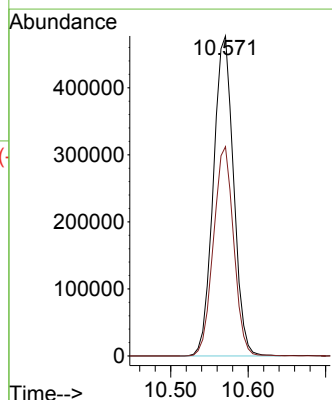
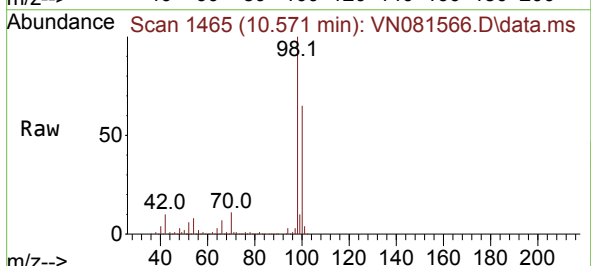
Acq: 25 Mar 2024 17:16

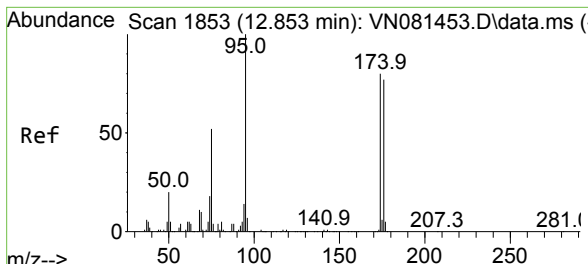
Tgt Ion: 98 Resp: 867032

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.0

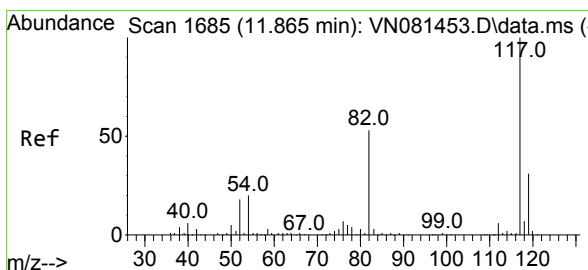
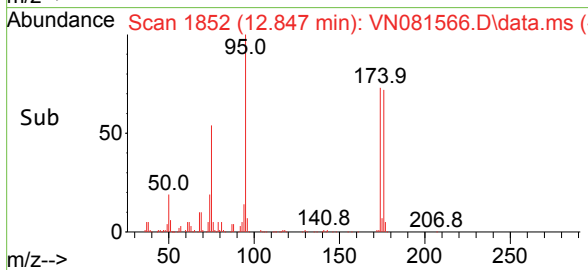
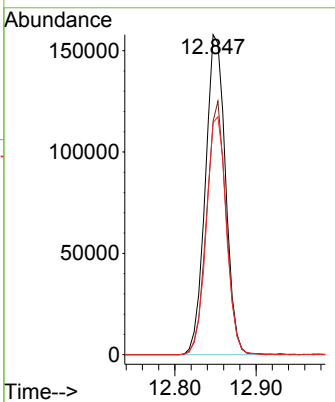
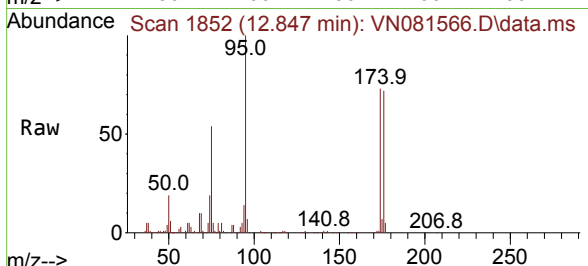




#62
4-Bromofluorobenzene
Concen: 46.382 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

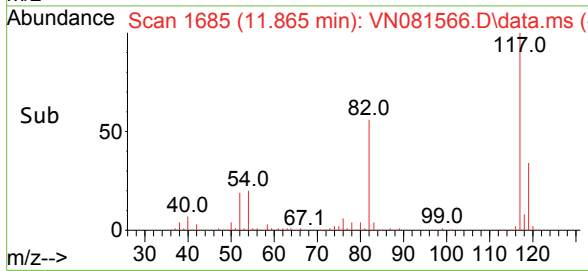
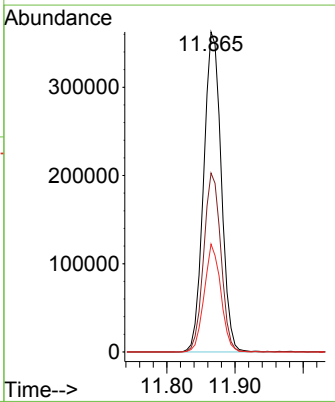
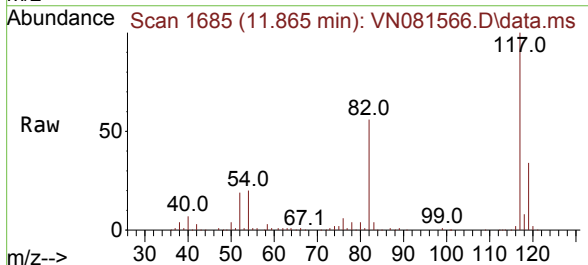
Instrument :
MSVOA_N
ClientSampleId :
IBLK

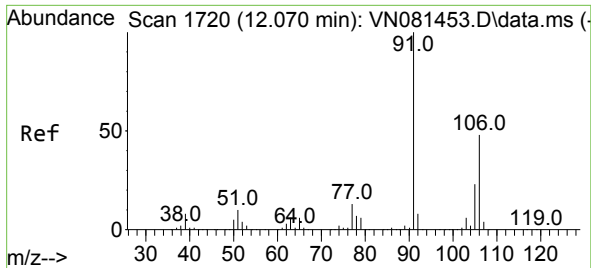
Tgt Ion:	95	Resp:	271577
Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	120.4
176	74.4	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

Tgt Ion:	117	Resp:	651350
Ion	Ratio	Lower	Upper
117	100		
82	55.9	52.7	79.1
119	33.7	25.3	37.9

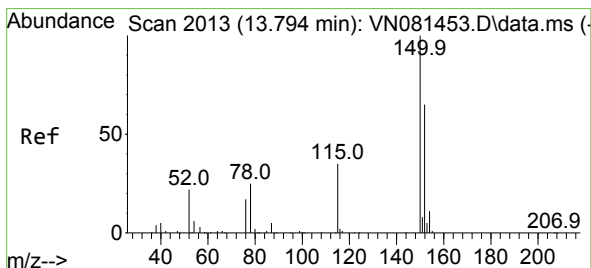
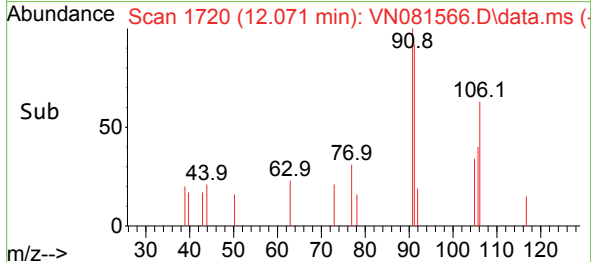
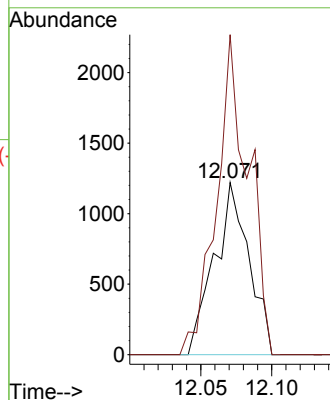
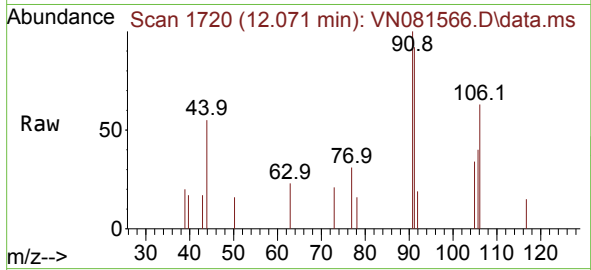




#68
m/p-Xylenes
Concen: 0.207 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

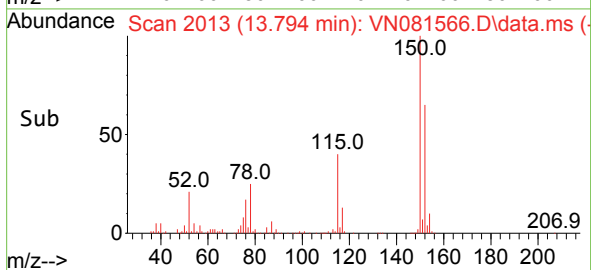
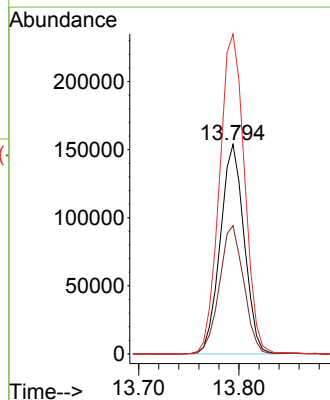
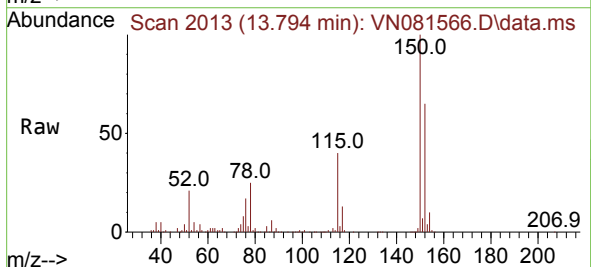
Instrument :
MSVOA_N
ClientSampleId :
IBLK

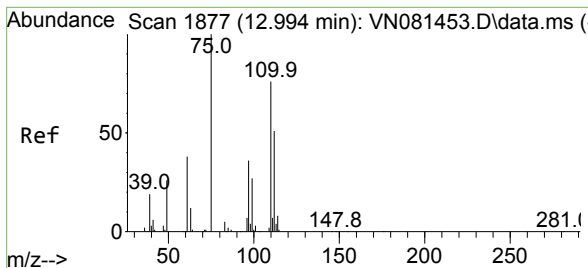
Tgt Ion:106 Resp: 2074
Ion Ratio Lower Upper
106 100
91 170.9 169.0 253.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

Tgt Ion:152 Resp: 254961
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 160.2 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 23.678 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081566.D

Acq: 25 Mar 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

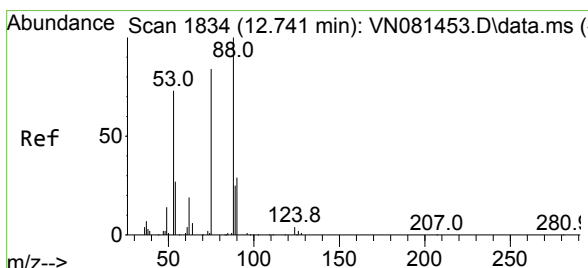
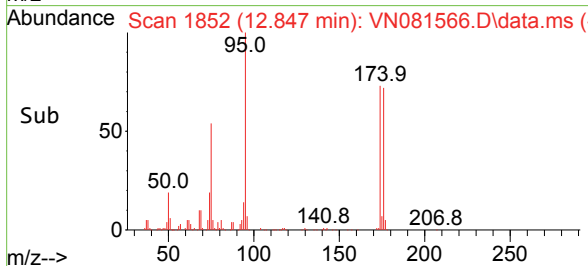
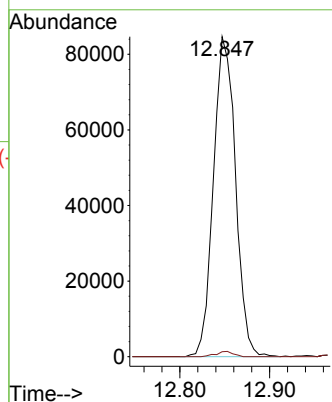
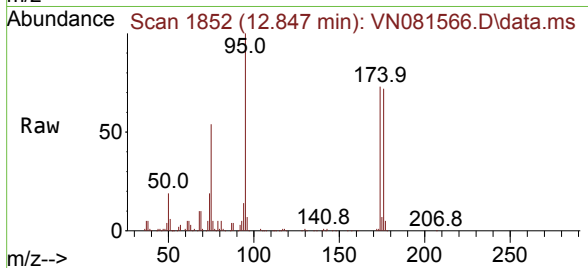
IBLK

Tgt Ion: 75 Resp: 144405

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.985 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081566.D

Acq: 25 Mar 2024 17:16

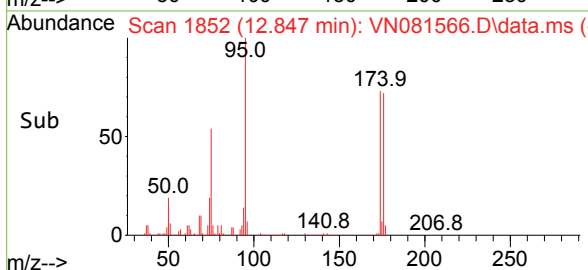
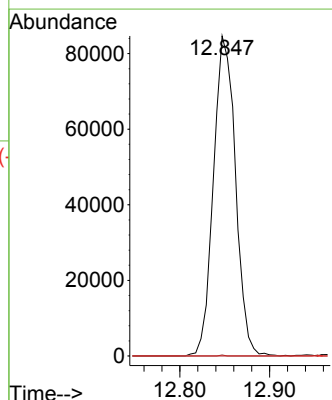
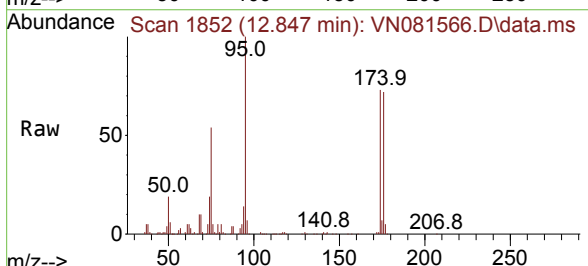
Tgt Ion: 75 Resp: 144405

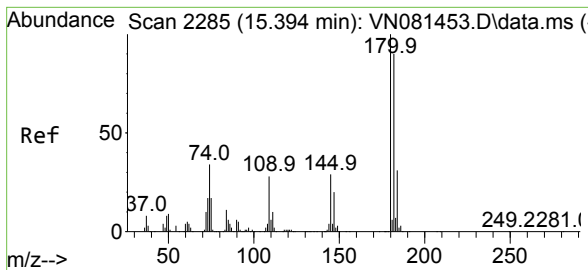
Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.2#

89 0.0 33.4 50.0#

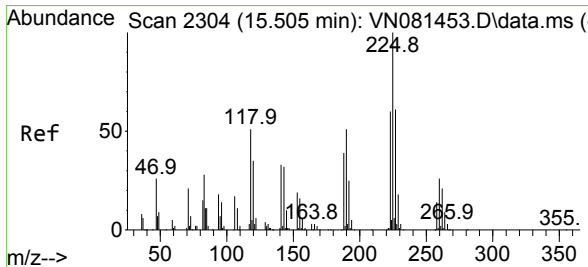
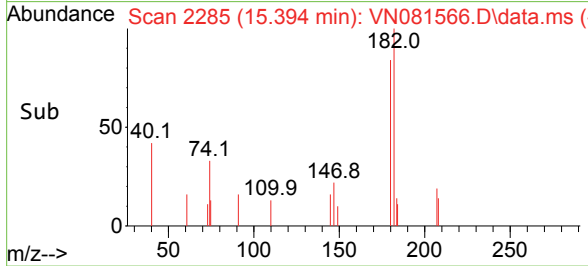
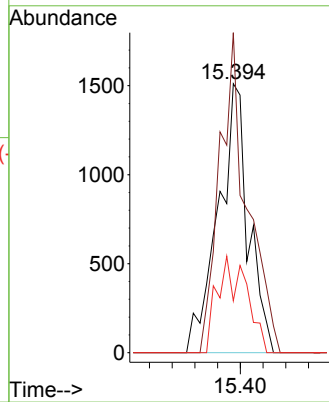
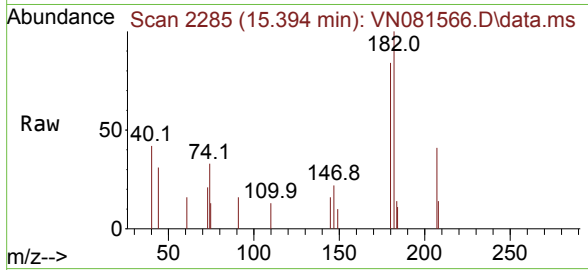




#93
 1,2,4-Trichlorobenzene
 Concen: 0.505 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.000 min
 Lab File: VN081566.D
 Acq: 25 Mar 2024 17:16

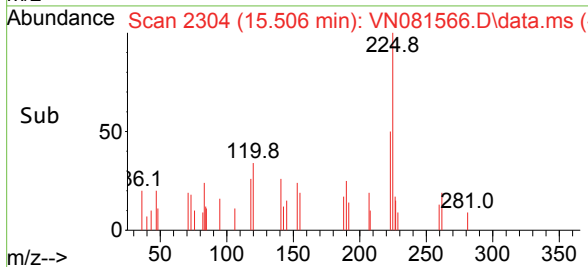
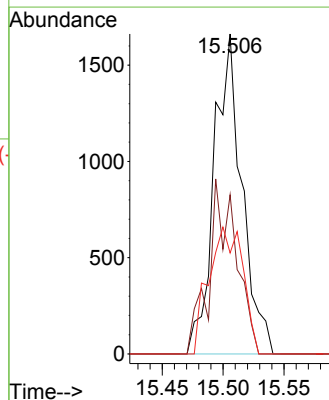
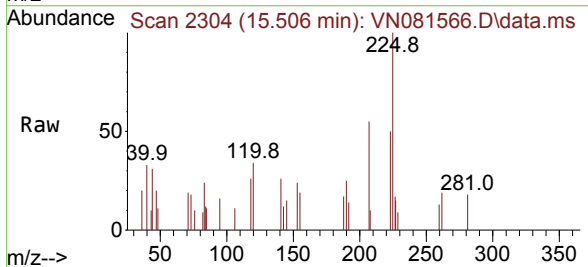
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

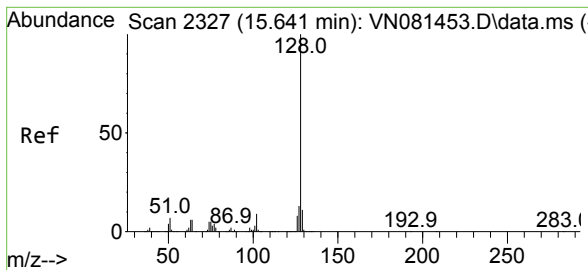
Tgt Ion:	180	Resp:	2772
Ion	Ratio	Lower	Upper
180	100		
182	108.8	46.6	139.7
145	34.7	16.8	50.3



#94
 Hexachlorobutadiene
 Concen: 1.099 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. 0.000 min
 Lab File: VN081566.D
 Acq: 25 Mar 2024 17:16

Tgt Ion:	225	Resp:	2646
Ion	Ratio	Lower	Upper
225	100		
223	53.3	33.3	99.8
227	48.6	33.1	99.2

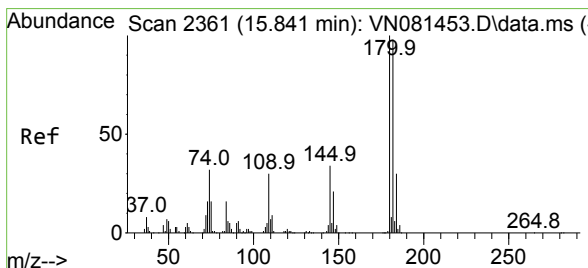
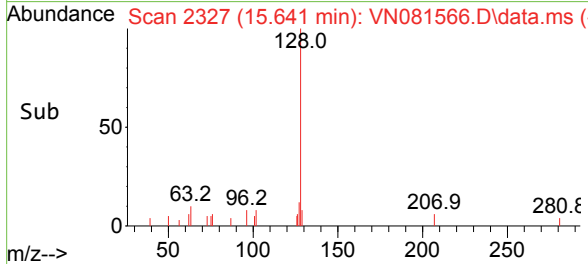
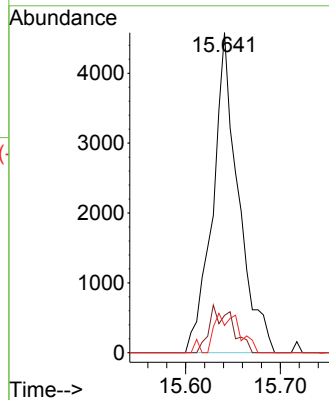
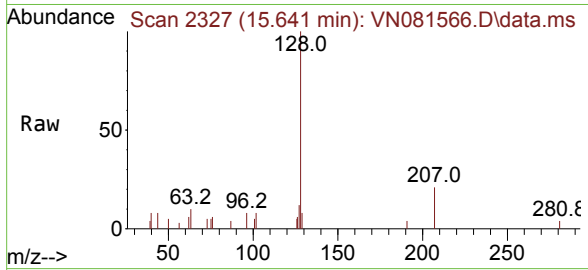




#95
Naphthalene
Concen: 0.483 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	8586
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.0	15.0
129	12.1	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.324 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.012 min
Lab File: VN081566.D
Acq: 25 Mar 2024 17:16

Tgt Ion:	180	Resp:	1787
Ion Ratio	Lower	Upper	
180	100		
182	0.0	46.5	139.3#
145	0.0	17.8	53.4#

