

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072424\
 Data File : VN083025.D
 Acq On : 24 Jul 2024 13:20
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 25 02:37:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

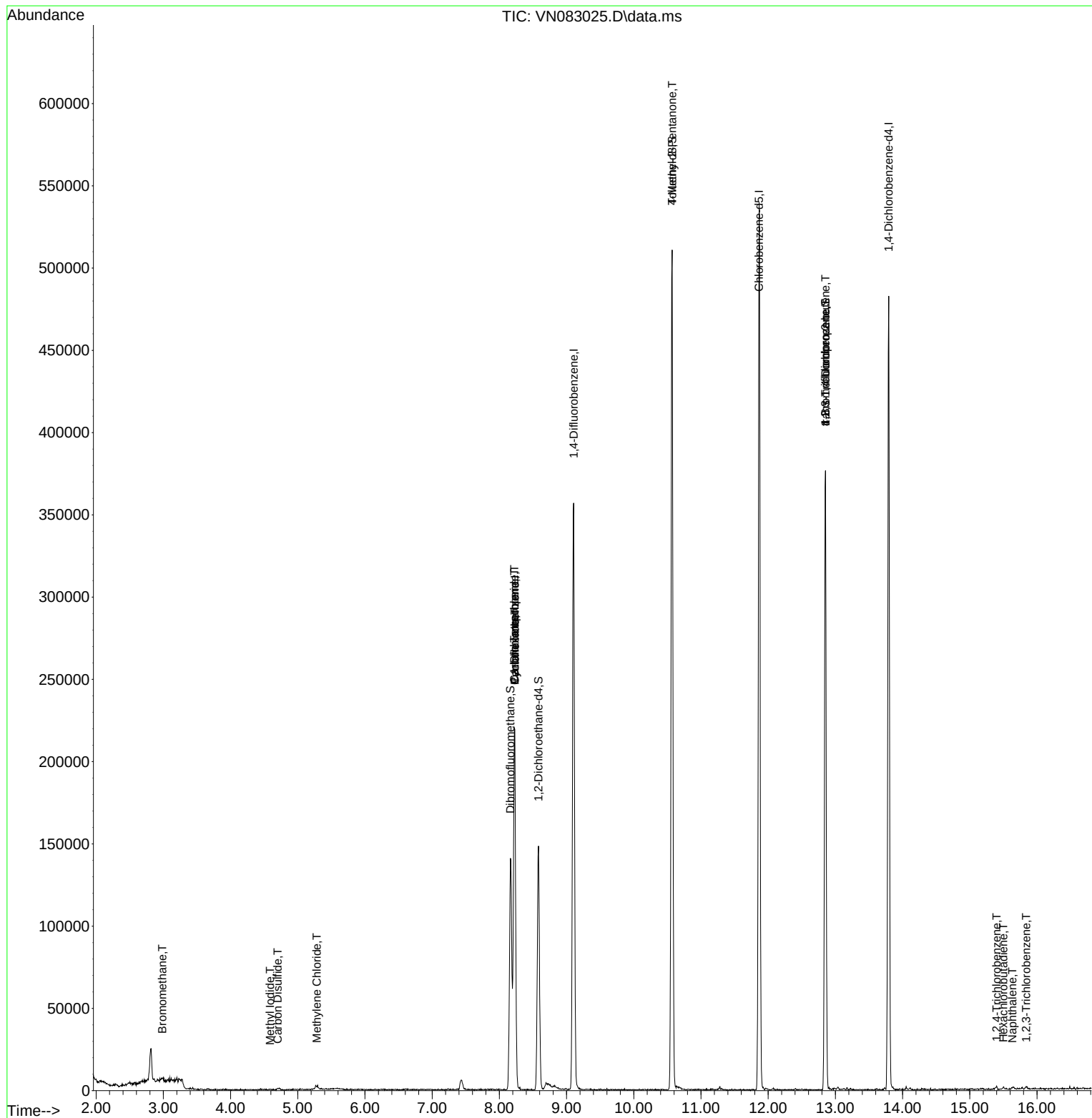
Internal Standards						
1) Pentafluorobenzene	8.230	168	156201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	302012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117660	53.735	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.480%	
35) Dibromofluoromethane	8.165	113	100386	51.801	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.600%	
50) Toluene-d8	10.571	98	349229	48.791	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.580%	
62) 4-Bromofluorobenzene	12.853	95	117982	45.887	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 91.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	1199	0.826	ug/l #	19
10) Methyl Iodide	4.589	142	531	0.316	ug/l #	38
17) Carbon Disulfide	4.700	76	2179	0.457	ug/l #	75
20) Methylene Chloride	5.283	84	1620	0.870	ug/l #	49
31) Cyclohexane	8.230	56	4369	1.526	ug/l #	62
36) 1,1-Dichloropropene	8.224	75	13625	5.099	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16590	5.157	ug/l #	18
43) Isopropyl Acetate	8.712	43	2912	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.571	43	1666	0.618	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	67437	31.273	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67437	61.505	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.400	180	543	0.245	ug/l #	91
94) Hexachlorobutadiene	15.500	225	444	0.452	ug/l	87
95) Naphthalene	15.635	128	2299	0.303	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.841	180	844	0.371	ug/l	79

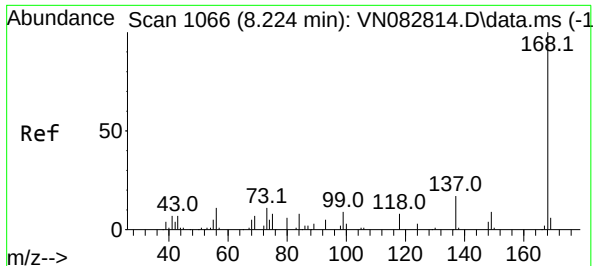
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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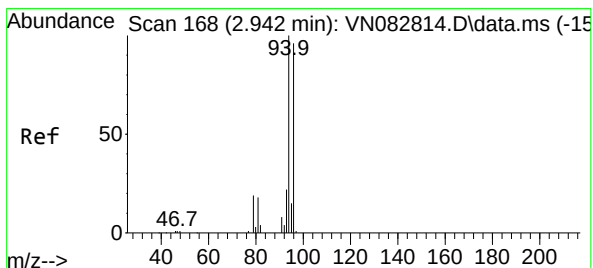
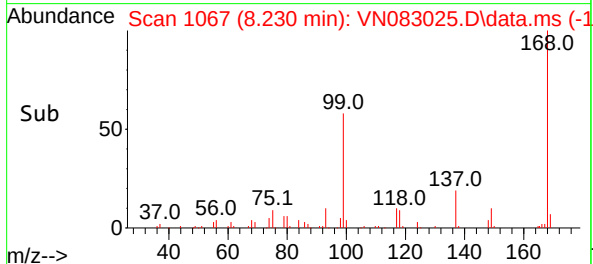
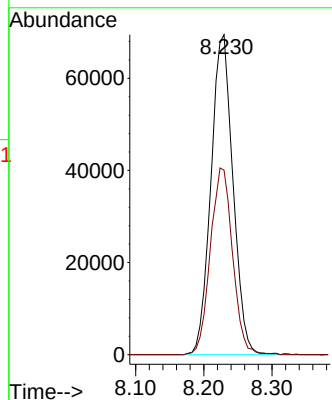
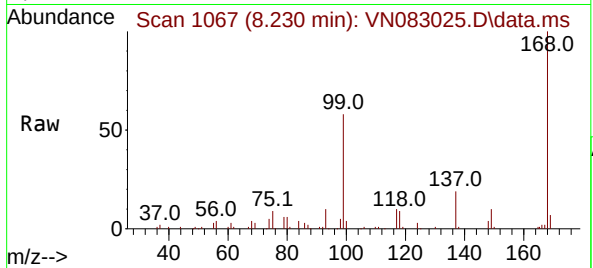




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.001 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

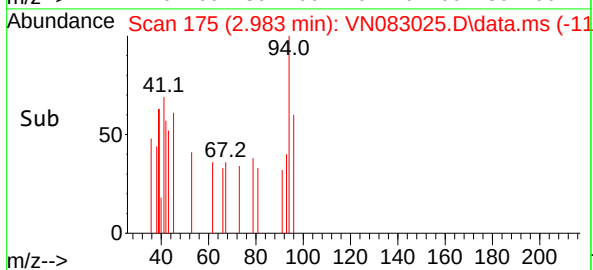
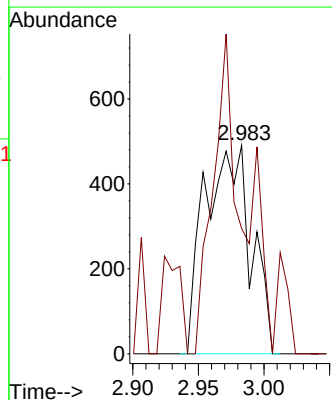
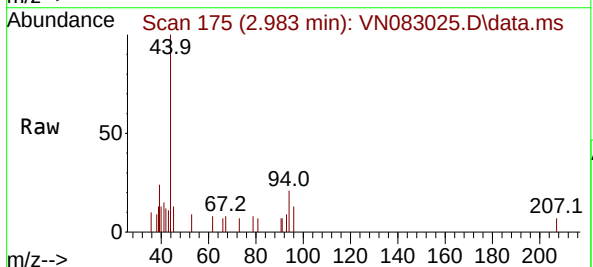
Instrument :
MSVOA_N
ClientSampleId :
IBLK

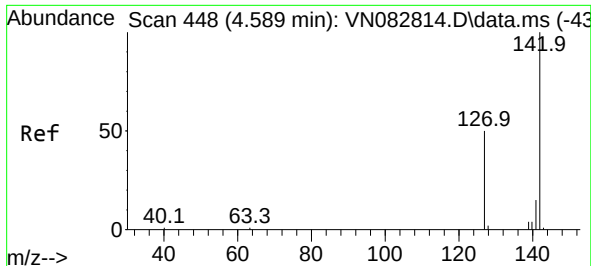
Tgt Ion:168 Resp: 156201
Ion Ratio Lower Upper
168 100
99 57.6 48.2 72.4



#5
Bromomethane
Concen: 0.826 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.036 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

Tgt Ion: 94 Resp: 1199
Ion Ratio Lower Upper
94 100
96 18.1 78.0 117.0#

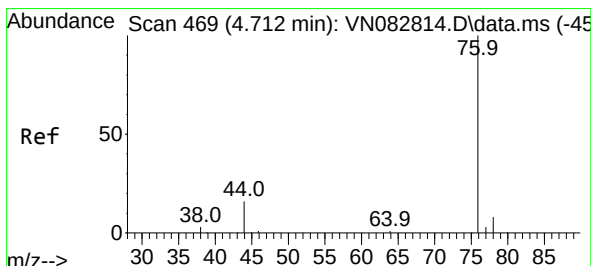
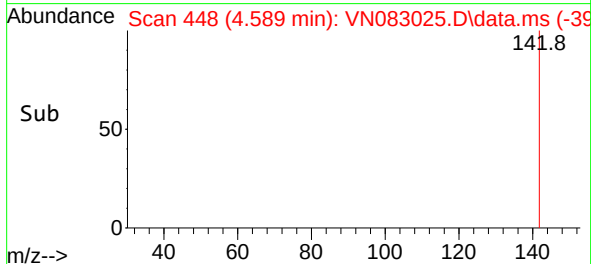
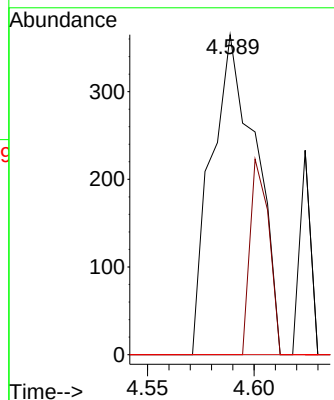
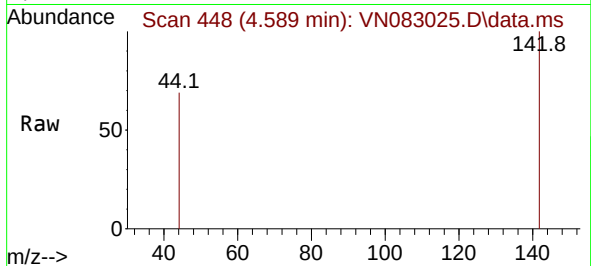




#10
Methyl Iodide
Concen: 0.316 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.001 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

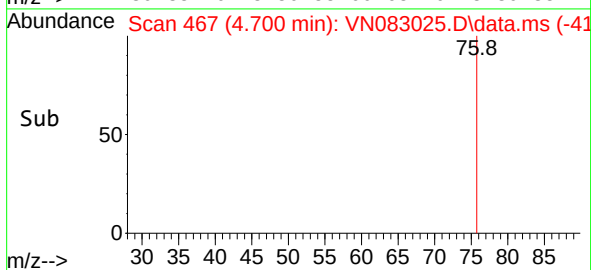
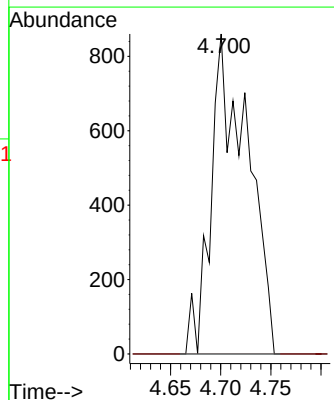
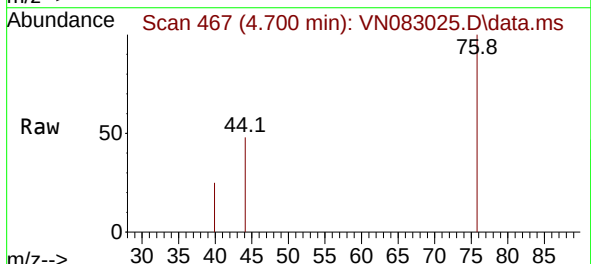
Instrument :
MSVOA_N
ClientSampleId :
IBLK

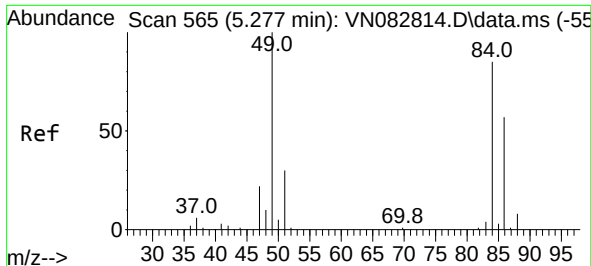
Tgt Ion:142 Resp: 531
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 13.1 19.7#



#17
Carbon Disulfide
Concen: 0.457 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

Tgt Ion: 76 Resp: 2179
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

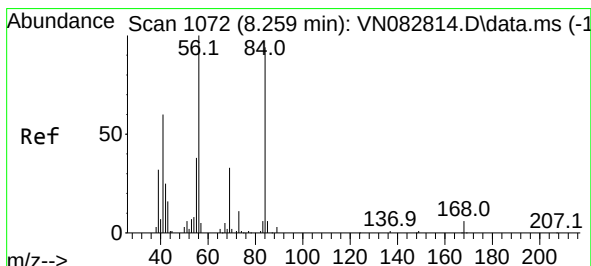
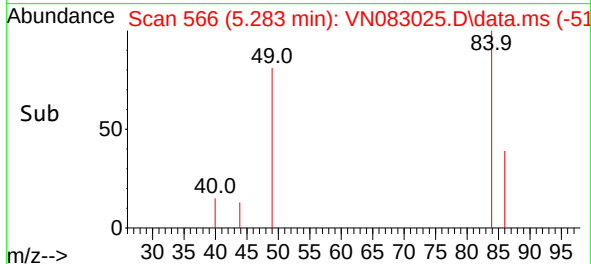
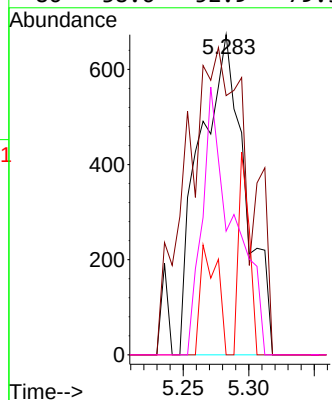
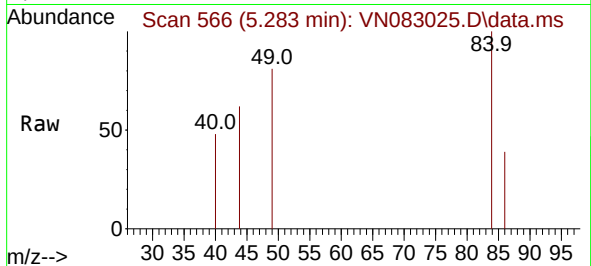




#20
Methylene Chloride
Concen: 0.870 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

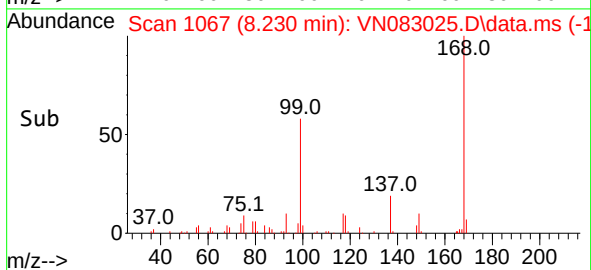
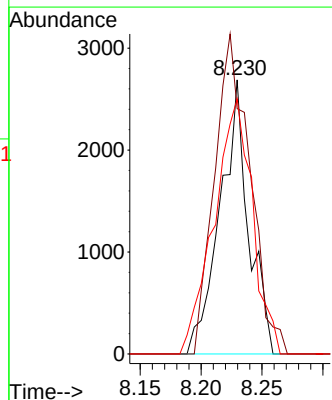
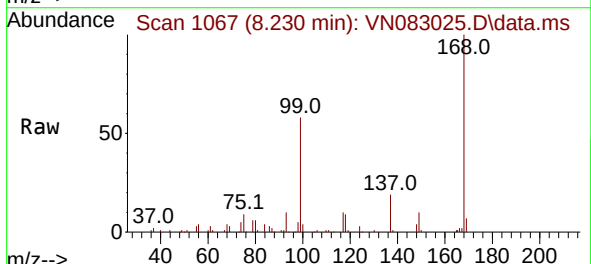
Instrument :
MSVOA_N
ClientSampleId :
IBLK

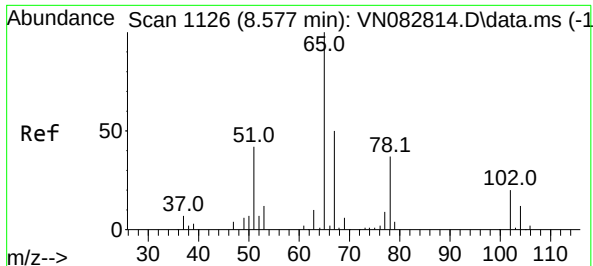
Tgt Ion: 84	Resp:	1620	
Ion	Ratio	Lower	Upper
84	100		
49	81.0	119.6	179.4#
51	0.0	34.8	52.2#
86	38.6	52.9	79.3#



#31
Cyclohexane
Concen: 1.526 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

Tgt Ion: 56	Resp:	4369	
Ion Ratio	Lower	Upper	
56	100		
69	89.5	24.5	36.7#
84	93.1	66.0	99.0





#33

1,2-Dichloroethane-d4

Concen: 53.735 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN083025.D

Acq: 24 Jul 2024 13:20

Instrument :

MSVOA_N

ClientSampleId :

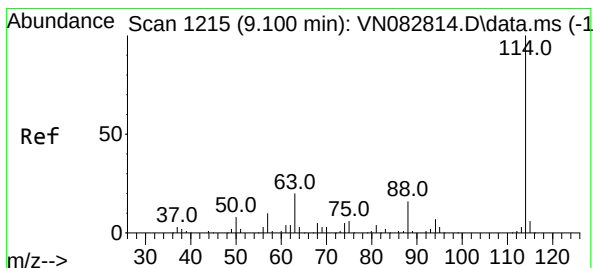
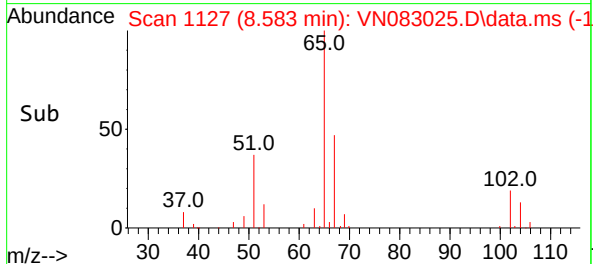
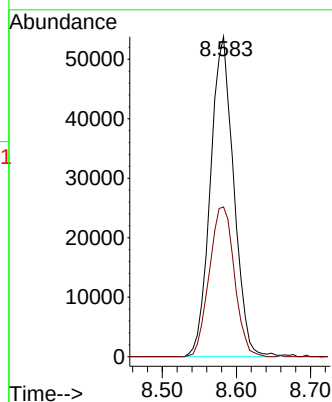
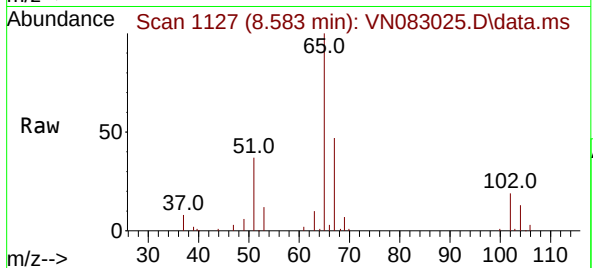
IBLK

Tgt Ion: 65 Resp: 117660

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN083025.D

Acq: 24 Jul 2024 13:20

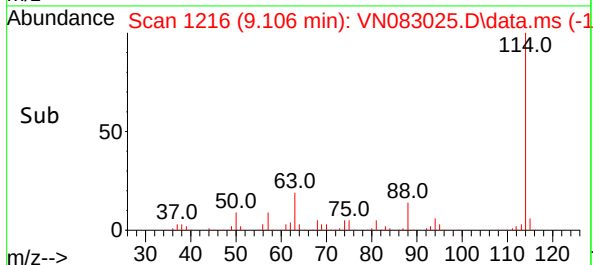
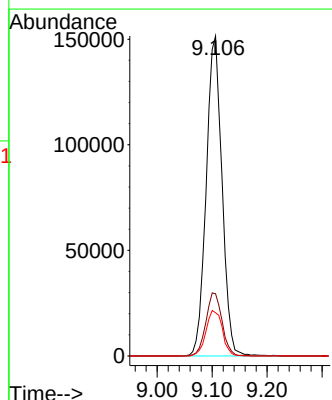
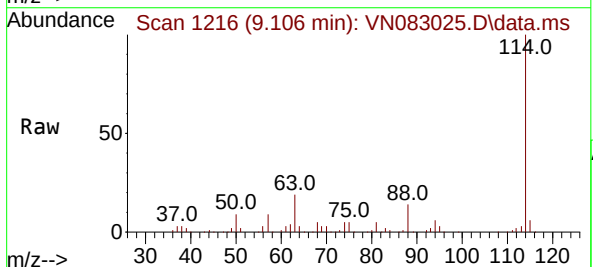
Tgt Ion: 114 Resp: 302012

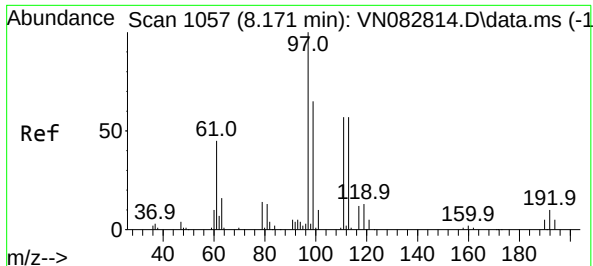
Ion Ratio Lower Upper

114 100

63 19.5 0.0 44.6

88 13.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.801 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083025.D

Acq: 24 Jul 2024 13:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

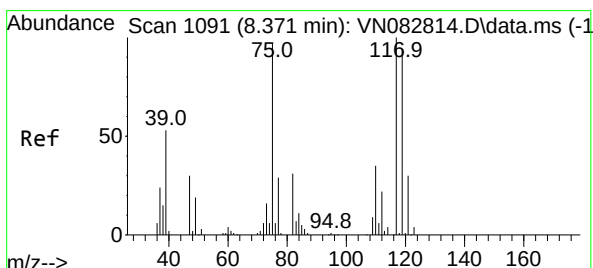
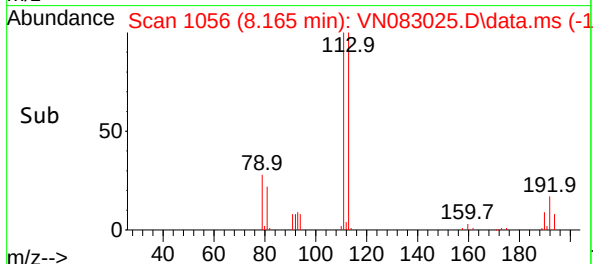
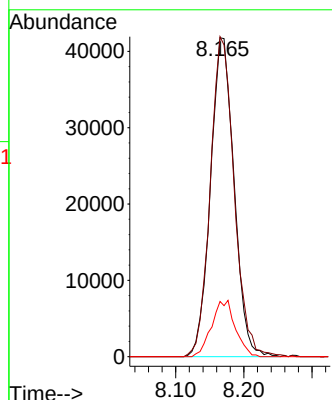
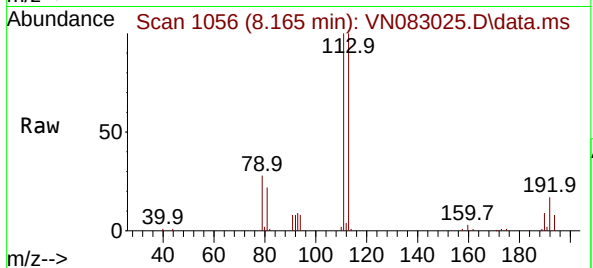
Tgt Ion:113 Resp: 100386

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

192 17.8 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.099 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083025.D

Acq: 24 Jul 2024 13:20

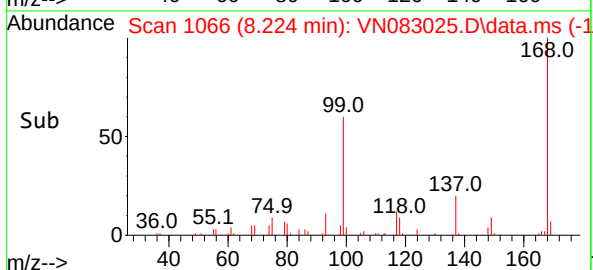
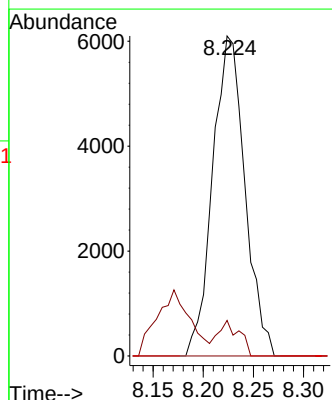
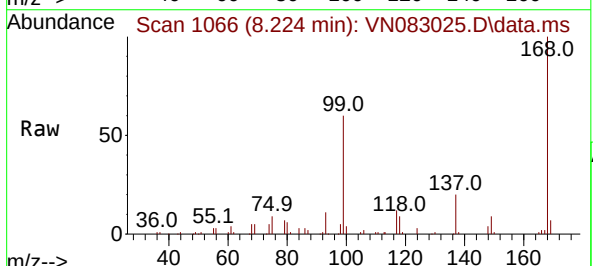
Tgt Ion: 75 Resp: 13625

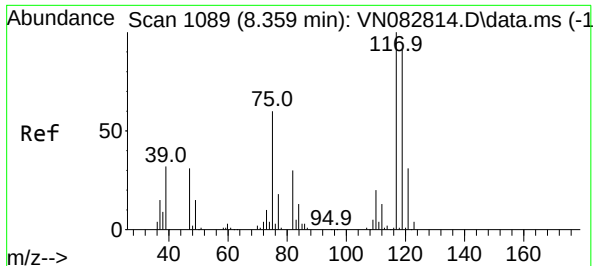
Ion Ratio Lower Upper

75 100

110 7.3 16.3 48.9#

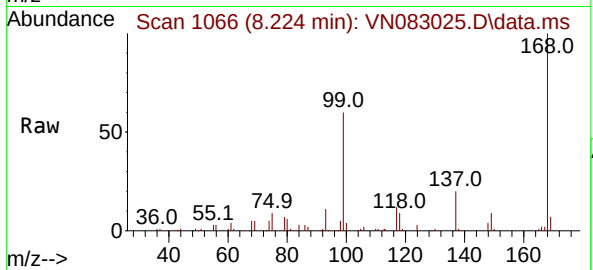
77 0.0 24.6 37.0#



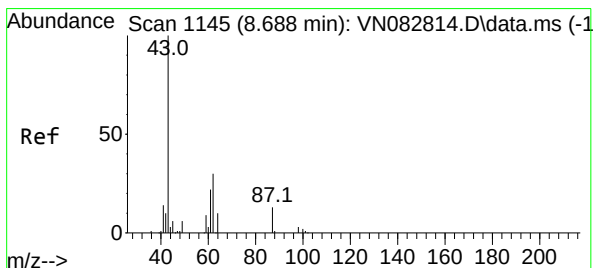
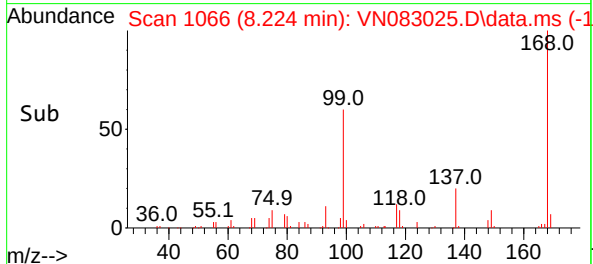
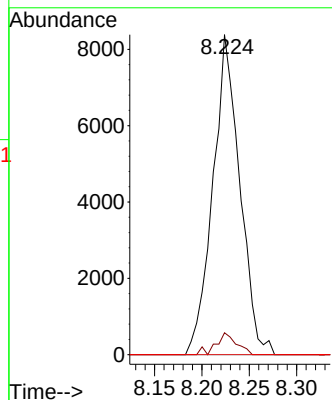


#38
Carbon Tetrachloride
Concen: 5.157 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
IBLK

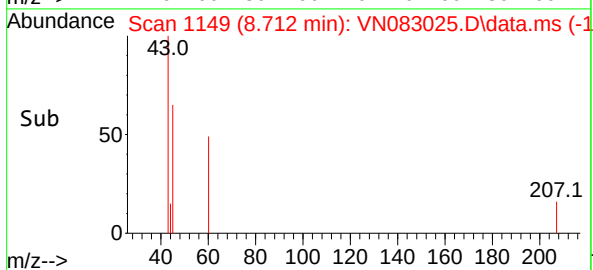
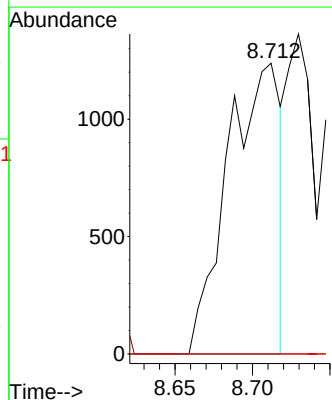
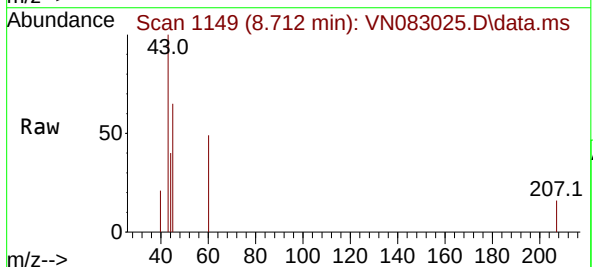


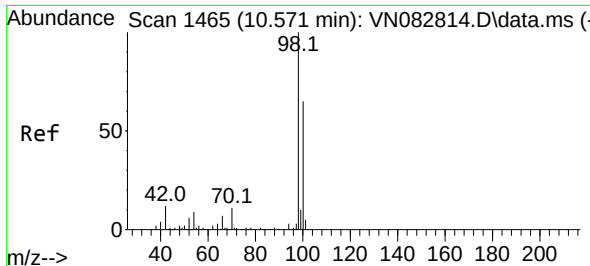
Tgt Ion:117 Resp: 16590
Ion Ratio Lower Upper
117 100
119 6.9 74.9 112.3#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.712 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

Tgt Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#

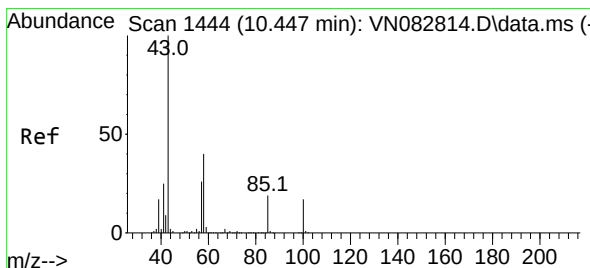
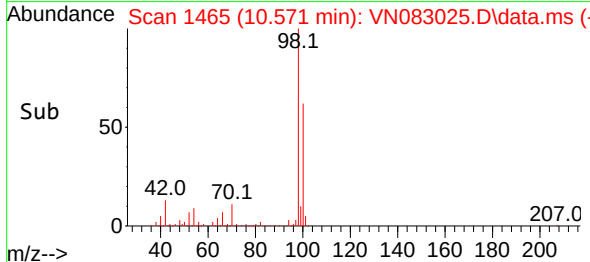
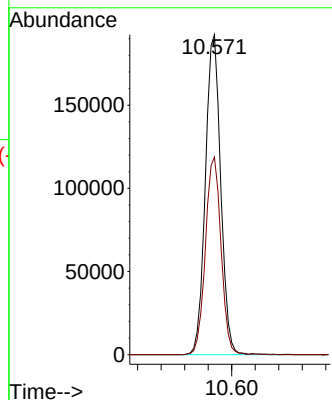
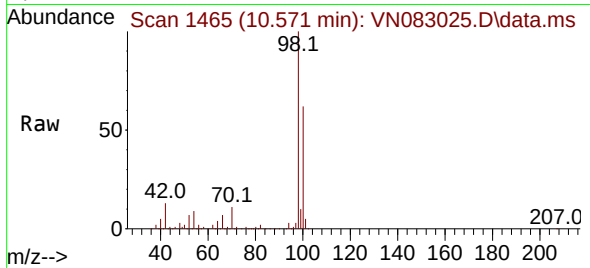




#50
Toluene-d8
Concen: 48.791 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

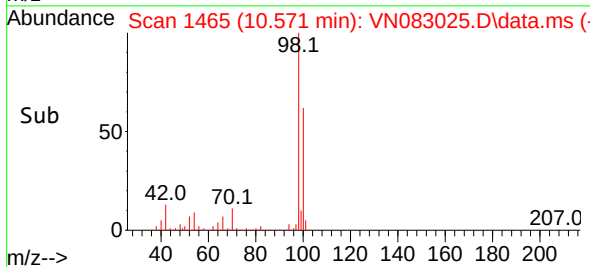
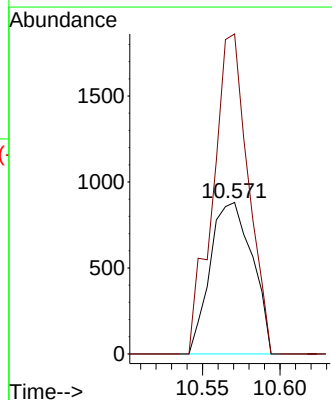
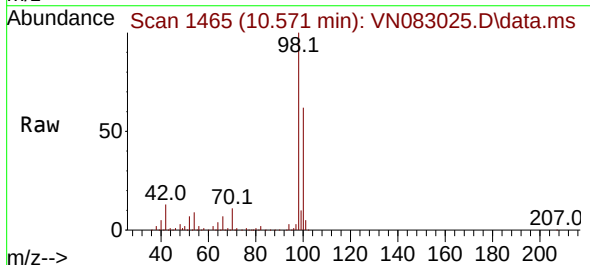
Instrument :
MSVOA_N
ClientSampleId :
IBLK

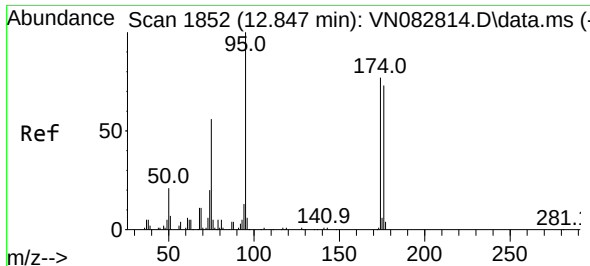
Tgt Ion: 98 Resp: 349229
Ion Ratio Lower Upper
98 100
100 62.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.618 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

Tgt Ion: 43 Resp: 1666
Ion Ratio Lower Upper
43 100
58 177.4 28.2 42.4#

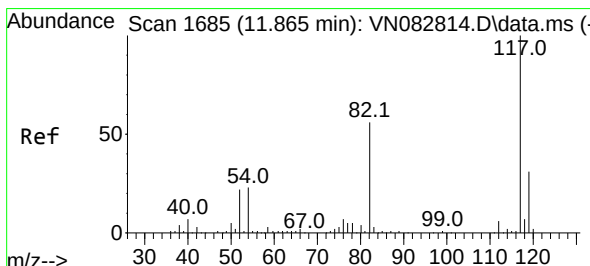
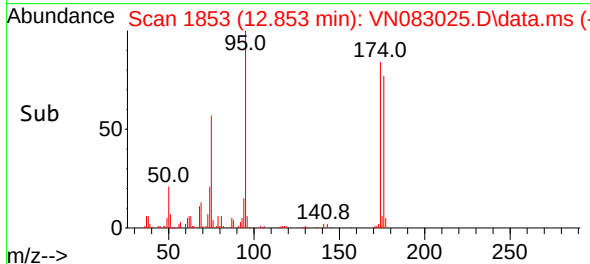
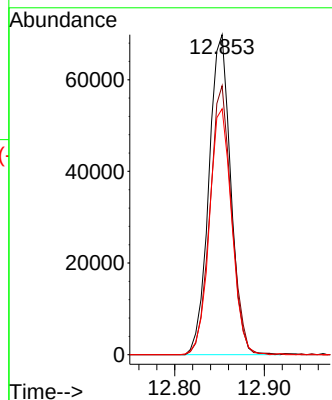
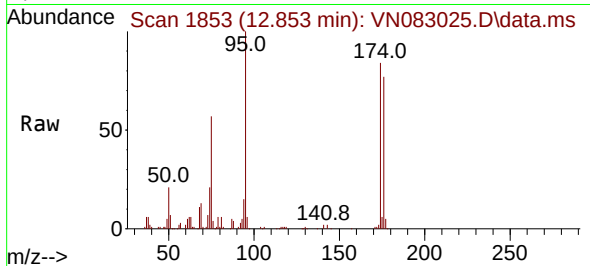




#62
4-Bromofluorobenzene
Concen: 45.887 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

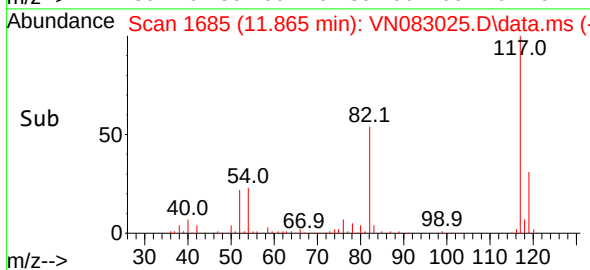
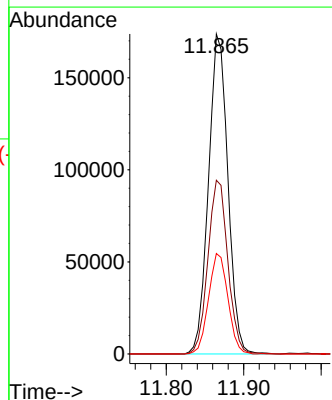
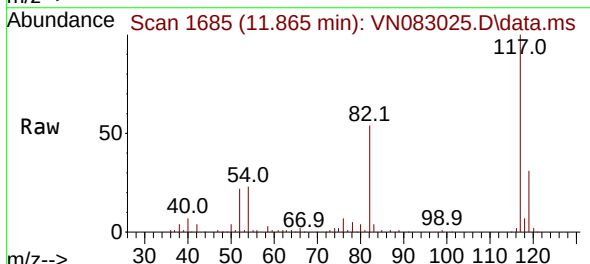
Instrument :
MSVOA_N
ClientSampleId :
IBLK

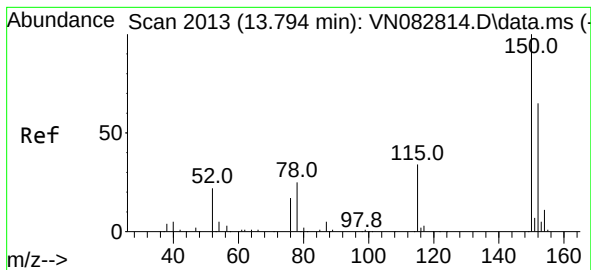
Tgt Ion: 95 Resp: 117982
Ion Ratio Lower Upper
95 100
174 83.4 0.0 159.2
176 78.4 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

Tgt Ion: 117 Resp: 301992
Ion Ratio Lower Upper
117 100
82 54.3 47.5 71.3
119 31.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN083025.D

Acq: 24 Jul 2024 13:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

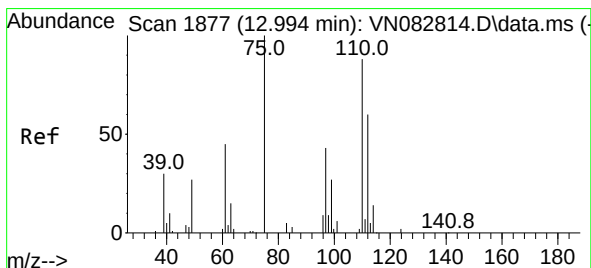
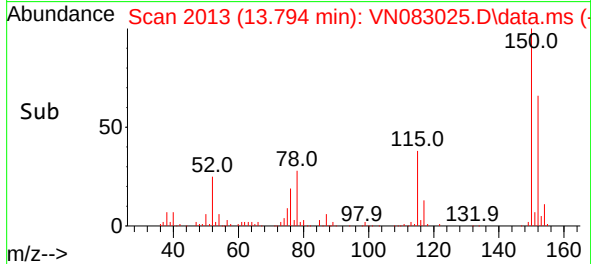
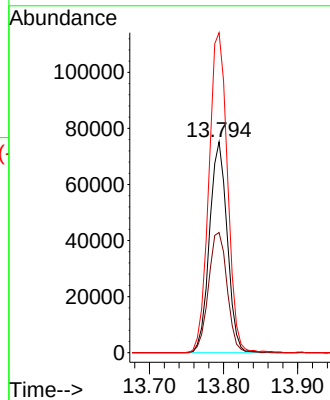
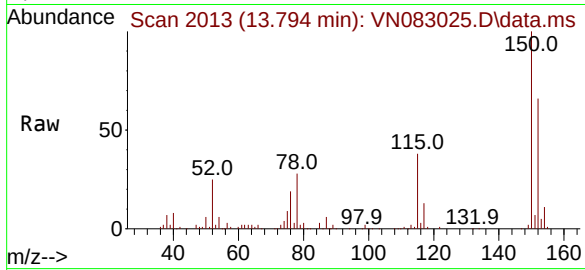
Tgt Ion:152 Resp: 125076

Ion Ratio Lower Upper

152 100

115 60.0 30.6 91.6

150 159.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 31.273 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN083025.D

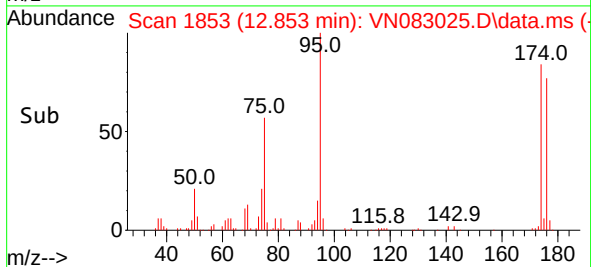
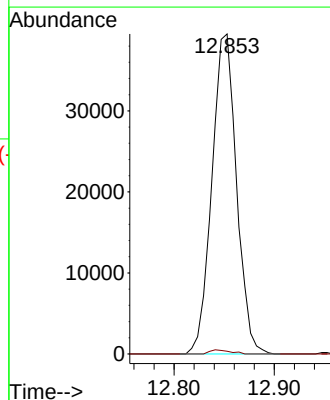
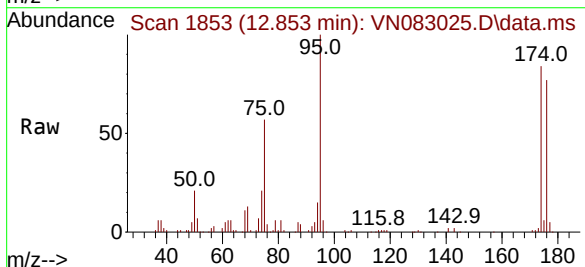
Acq: 24 Jul 2024 13:20

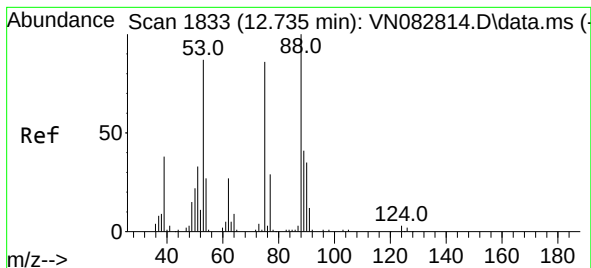
Tgt Ion: 75 Resp: 67437

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#

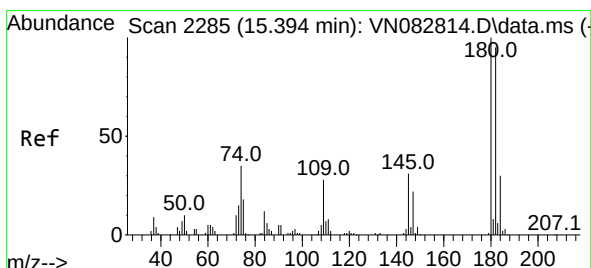
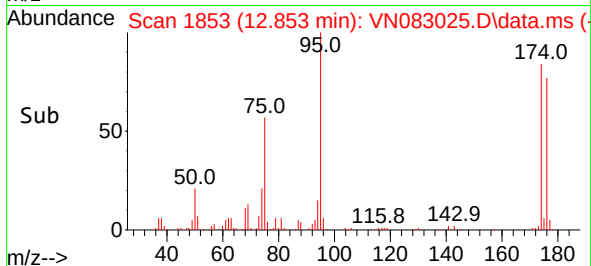
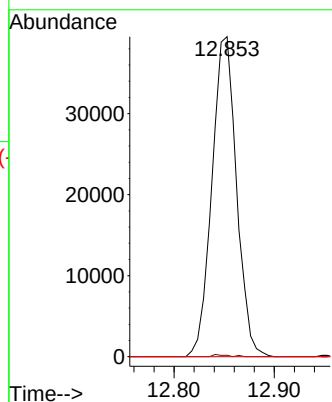
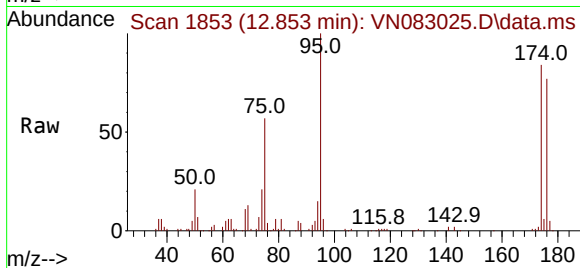




#81
trans-1,4-Dichloro-2-butene
Concen: 61.505 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

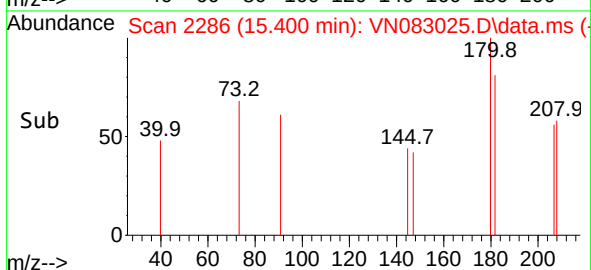
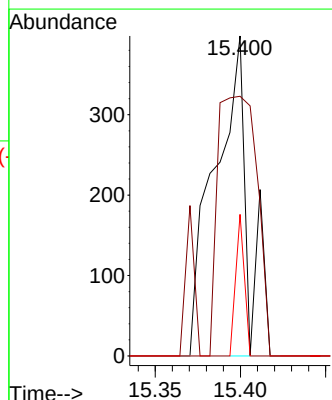
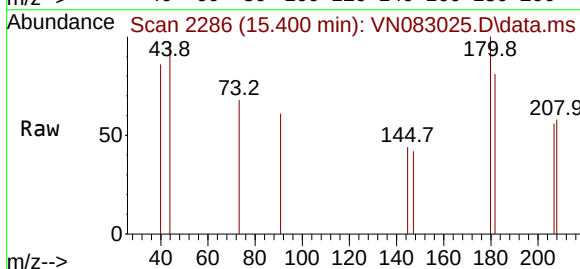
Instrument :
MSVOA_N
ClientSampleId :
IBLK

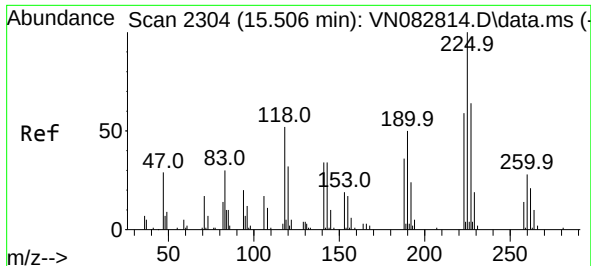
Tgt Ion: 75 Resp: 67437
Ion Ratio Lower Upper
75 100
53 0.4 88.4 132.6#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.245 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

Tgt Ion: 180 Resp: 543
Ion Ratio Lower Upper
180 100
182 95.0 47.3 141.8
145 11.4 15.7 47.1#

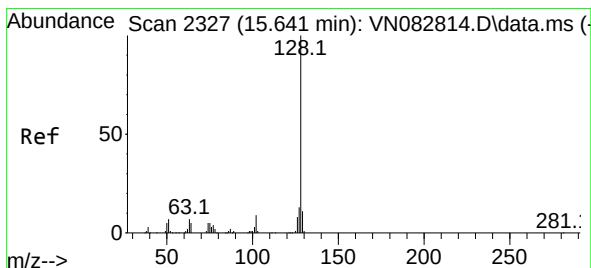
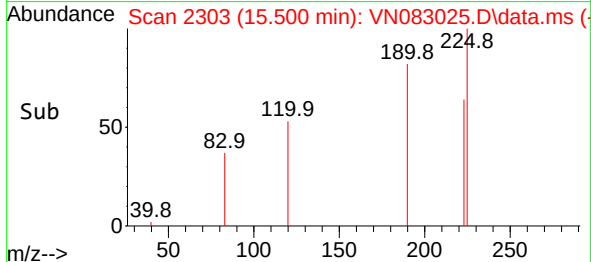
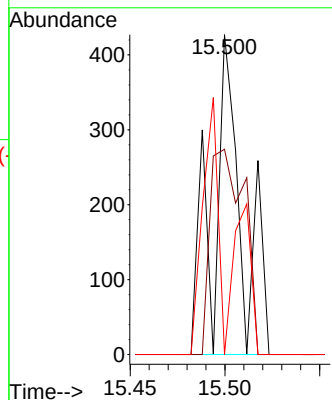
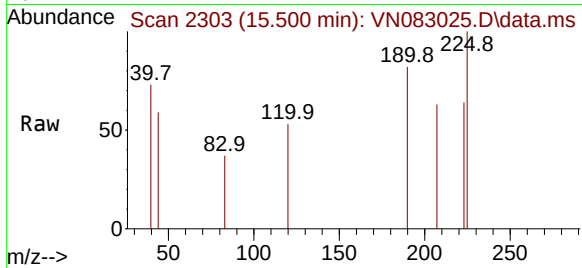




#94
Hexachlorobutadiene
Concen: 0.452 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

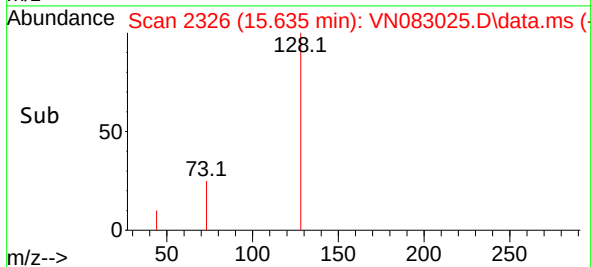
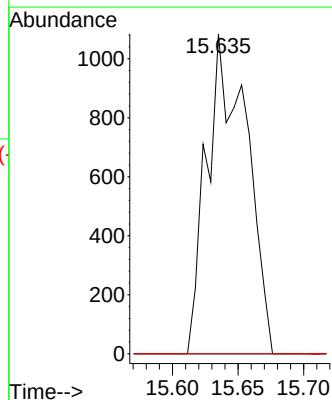
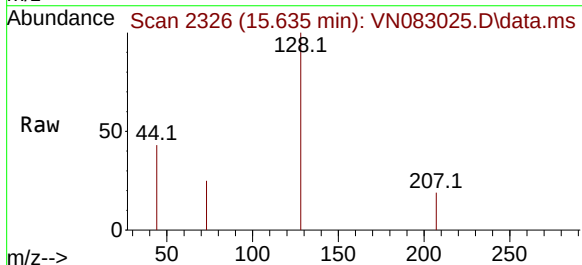
Instrument :
MSVOA_N
ClientSampleId :
IBLK

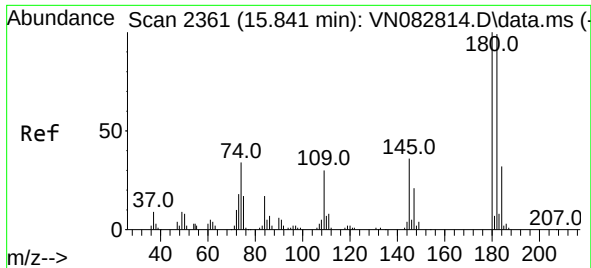
Tgt Ion:225 Resp: 444
Ion Ratio Lower Upper
225 100
223 77.7 31.9 95.7
227 72.1 32.5 97.5



#95
Naphthalene
Concen: 0.303 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN083025.D
Acq: 24 Jul 2024 13:20

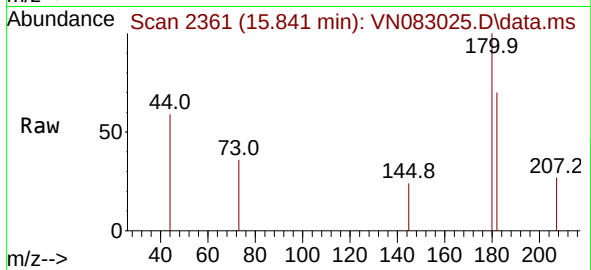
Tgt Ion:128 Resp: 2299
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.371 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN083025.D
 Acq: 24 Jul 2024 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	844
Ion	Ratio	Lower	Upper
180	100		
182	76.2	48.9	146.8
145	23.2	16.8	50.4

