

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071224\
 Data File : VN082894.D
 Acq On : 12 Jul 2024 13:03
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 15 01:10:24 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	8.224	168	102083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	194906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	188773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77589	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	79995	55.902	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.800%
35) Dibromofluoromethane	8.165	113	64018	51.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.380%
50) Toluene-d8	10.571	98	229463	49.675	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.340%
62) 4-Bromofluorobenzene	12.853	95	75829	45.700	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	91.400%

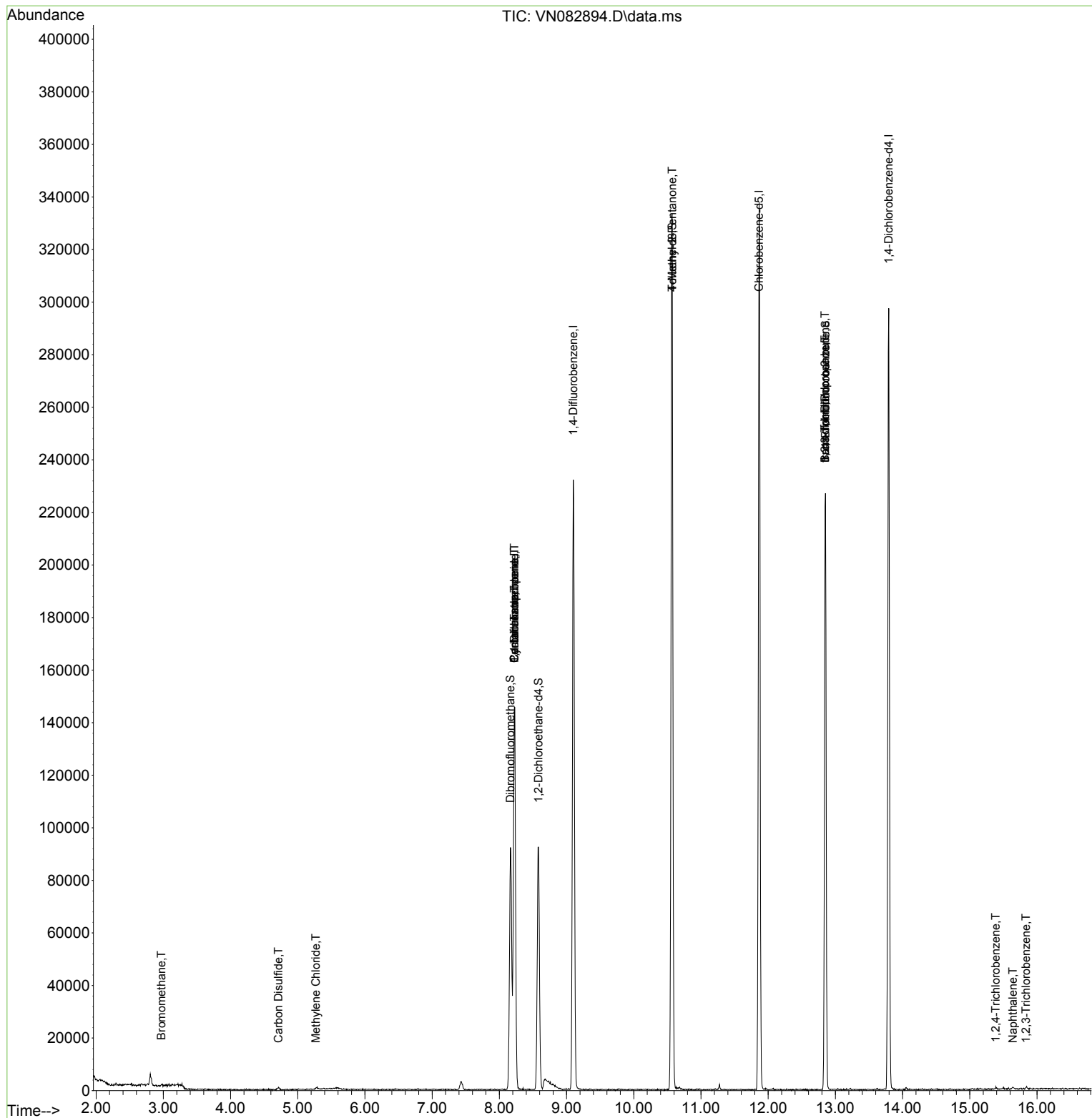
Target Compounds			Qvalue			
5) Bromomethane	2.971	94	305	0.321	ug/l #	58
17) Carbon Disulfide	4.712	76	1691	0.543	ug/l #	75
20) Methylene Chloride	5.271	84	399	0.328	ug/l #	43
31) Cyclohexane	8.224	56	2693	1.439	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	8653	5.018	ug/l #	50
38) Carbon Tetrachloride	8.224	117	11761	5.665	ug/l #	17
43) Isopropyl Acetate	8.677	43	4955	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.571	43	1139	0.654	ug/l #	1
71) Bromoform	12.847	173	555	0.490	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	43097	32.218	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	43097	63.363	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.388	180	400	0.291	ug/l #	81
95) Naphthalene	15.641	128	1204	0.256	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.835	180	374	0.265	ug/l #	68

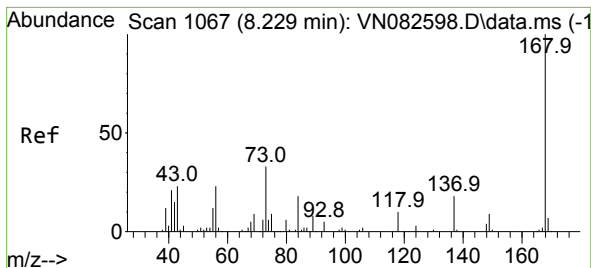
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

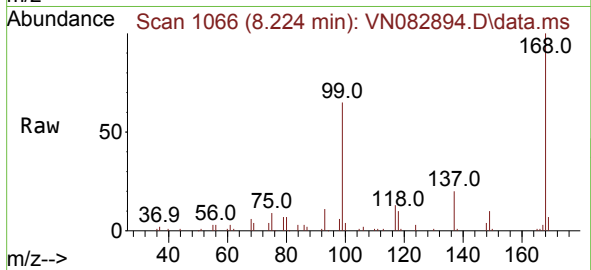
Lab File: VN082894.D

Acq: 12 Jul 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

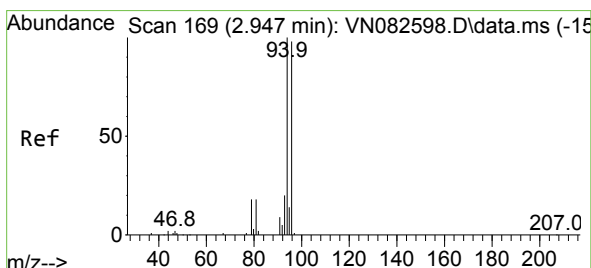
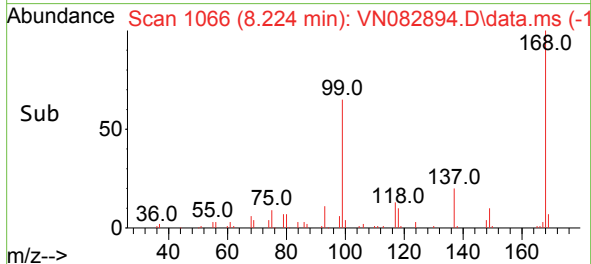
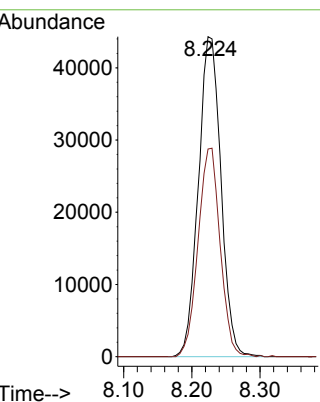


Tgt Ion:168 Resp: 102083

Ion Ratio Lower Upper

168 100

99 64.9 48.2 72.4



#5

Bromomethane

Concen: 0.321 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.024 min

Lab File: VN082894.D

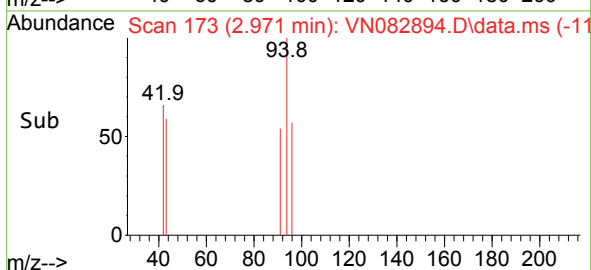
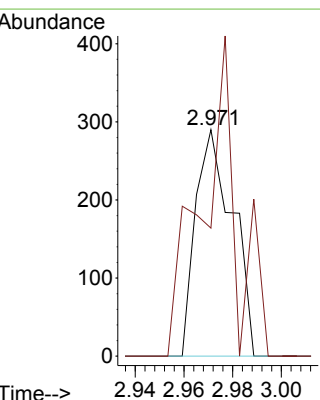
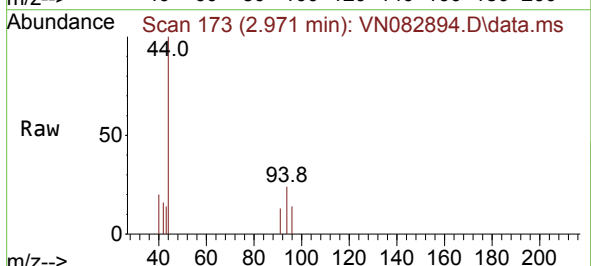
Acq: 12 Jul 2024 13:03

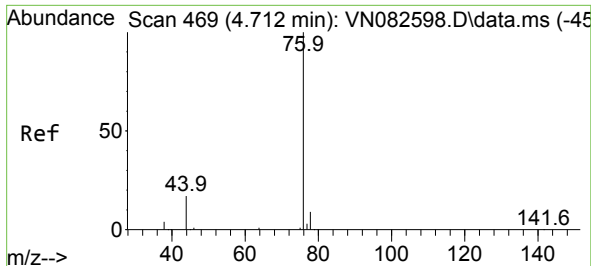
Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

94 100

96 56.6 78.0 117.0#

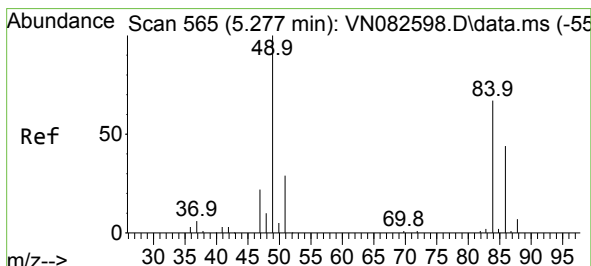
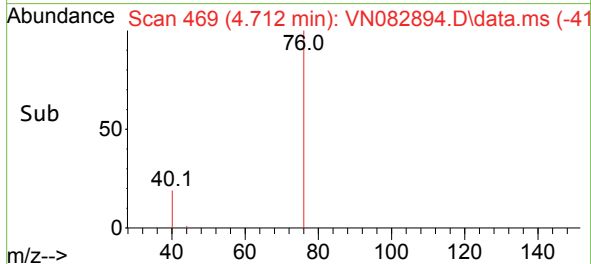
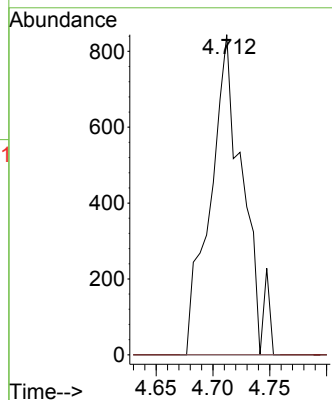
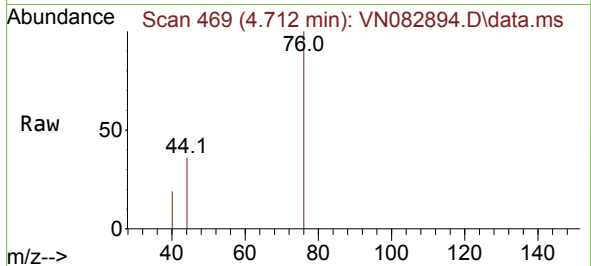




#17
Carbon Disulfide
Concen: 0.543 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN082894.D
Acq: 12 Jul 2024 13:03

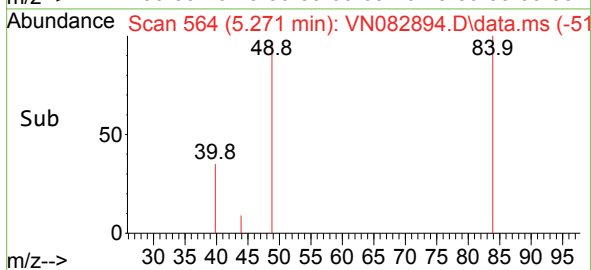
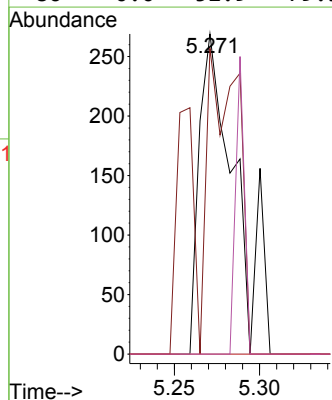
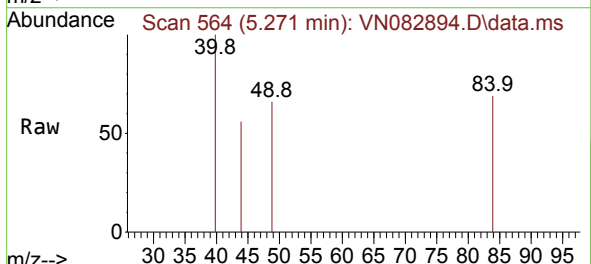
Instrument :
MSVOA_N
ClientSampleId :

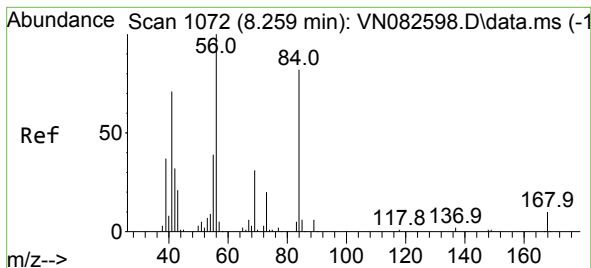
Tgt Ion: 76 Resp: 1691
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.328 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082894.D
Acq: 12 Jul 2024 13:03

Tgt Ion: 84 Resp: 399
Ion Ratio Lower Upper
84 100
49 95.5 119.6 179.4#
51 0.0 34.8 52.2#
86 0.0 52.9 79.3#





#31

Cyclohexane

Concen: 1.439 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

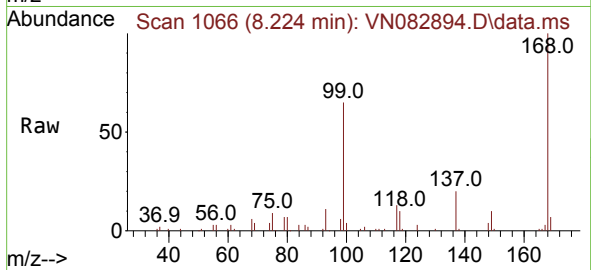
Lab File: VN082894.D

Acq: 12 Jul 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :



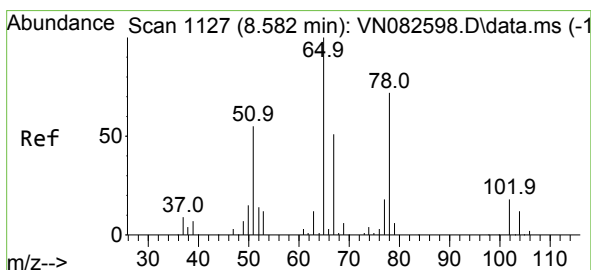
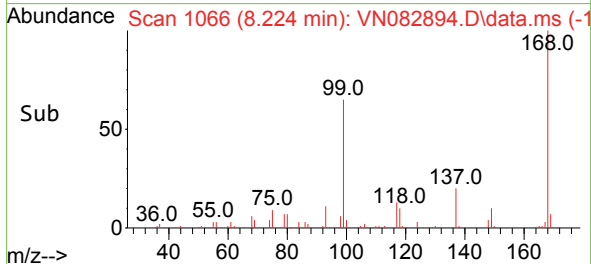
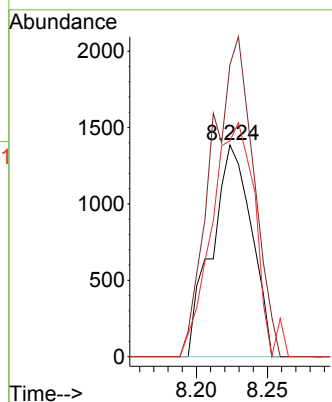
Tgt Ion: 56 Resp: 2693

Ion Ratio Lower Upper

56 100

69 138.0 24.5 36.7#

84 101.9 66.0 99.0#



#33

1,2-Dichloroethane-d4

Concen: 55.902 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082894.D

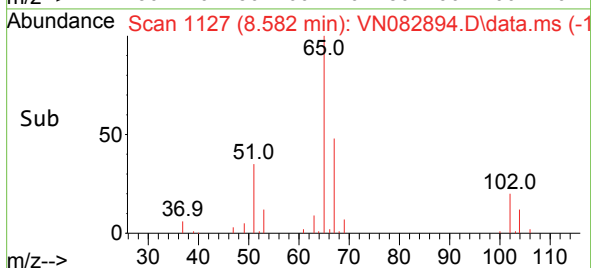
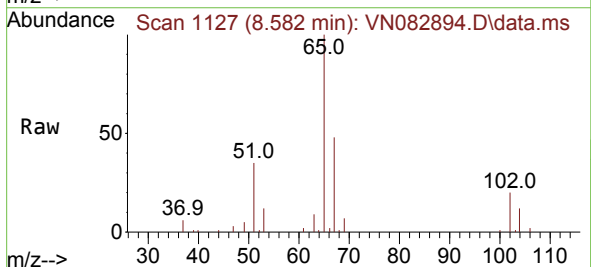
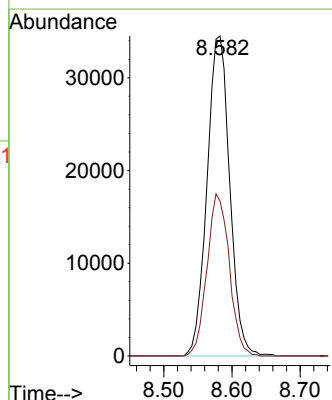
Acq: 12 Jul 2024 13:03

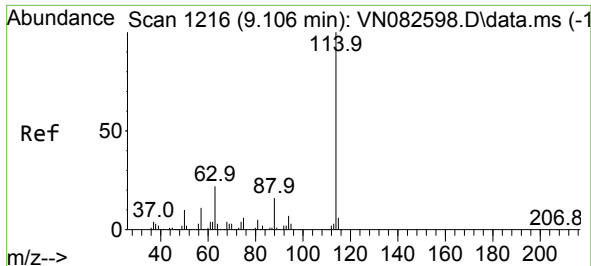
Tgt Ion: 65 Resp: 79995

Ion Ratio Lower Upper

65 100

67 49.7 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.006 min

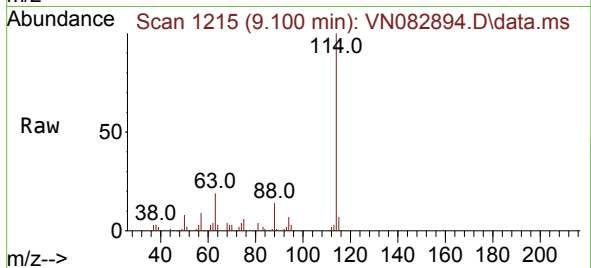
Lab File: VN082894.D

Acq: 12 Jul 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :



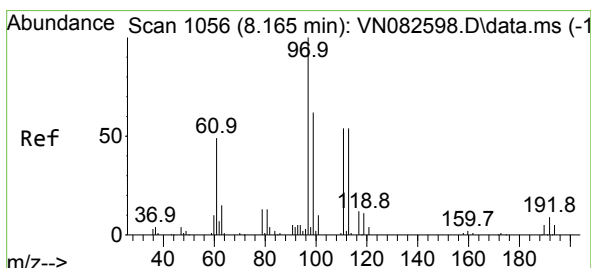
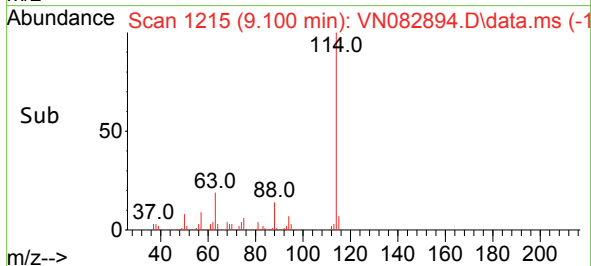
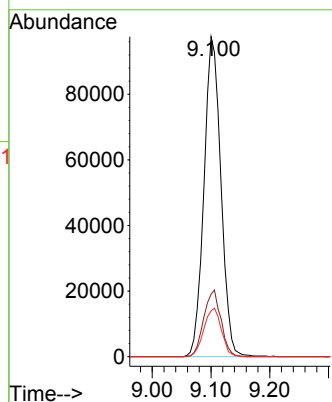
Tgt Ion:114 Resp: 194906

Ion Ratio Lower Upper

114 100

63 19.5 0.0 44.6

88 14.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.187 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082894.D

Acq: 12 Jul 2024 13:03

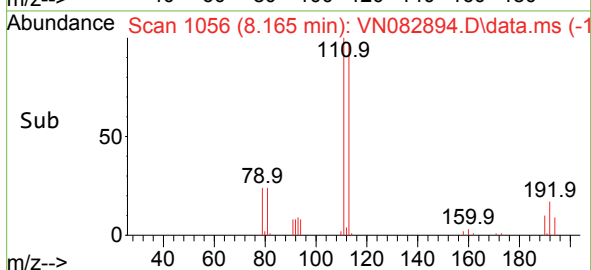
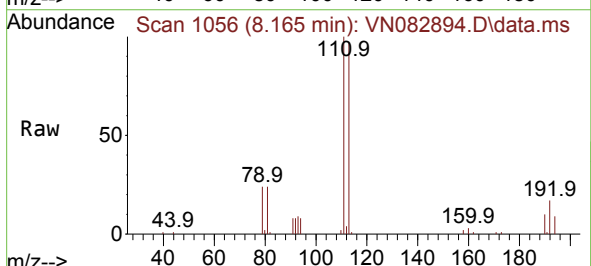
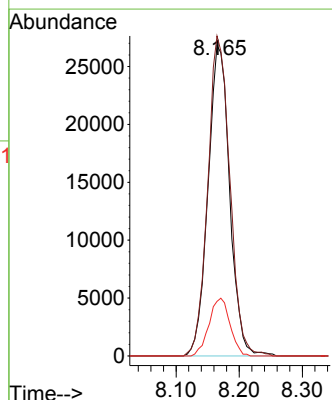
Tgt Ion:113 Resp: 64018

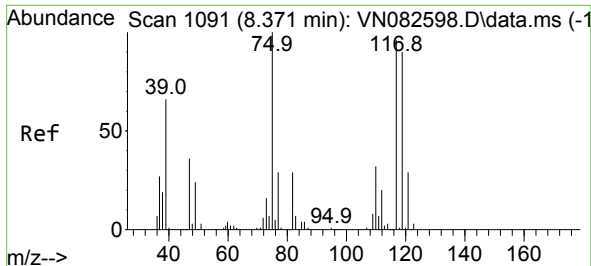
Ion Ratio Lower Upper

113 100

111 104.9 82.4 123.6

192 18.0 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

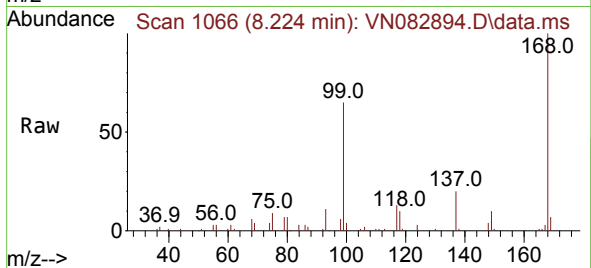
Lab File: VN082894.D

Acq: 12 Jul 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :



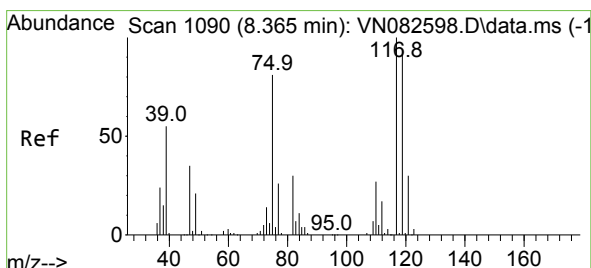
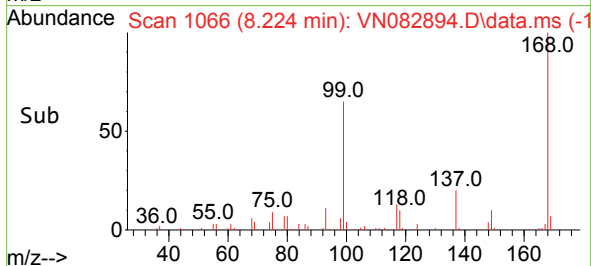
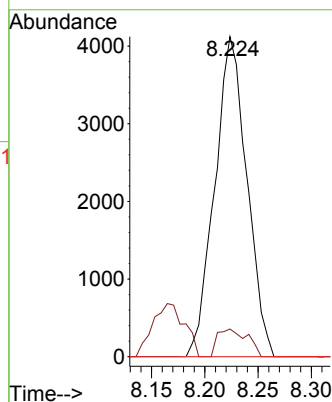
Tgt Ion: 75 Resp: 8653

Ion Ratio Lower Upper

75 100

110 8.0 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.665 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082894.D

Acq: 12 Jul 2024 13:03

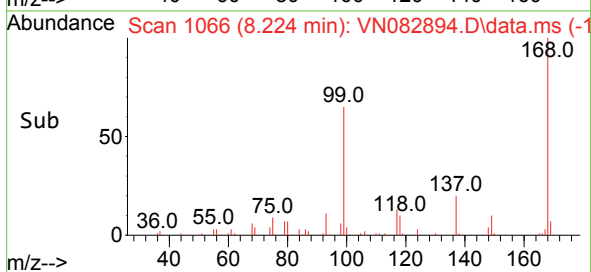
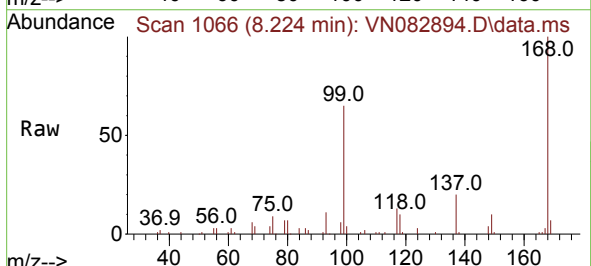
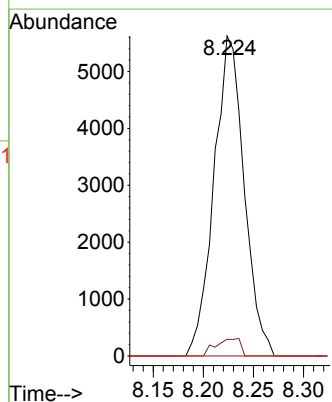
Tgt Ion: 117 Resp: 11761

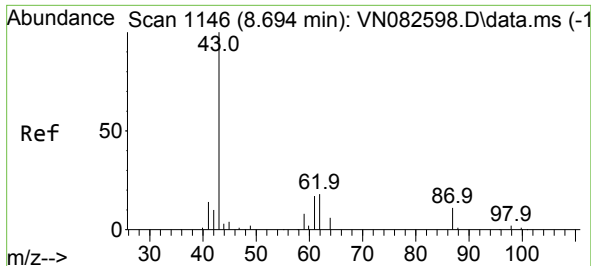
Ion Ratio Lower Upper

117 100

119 5.2 74.9 112.3#

121 0.0 24.3 36.5#

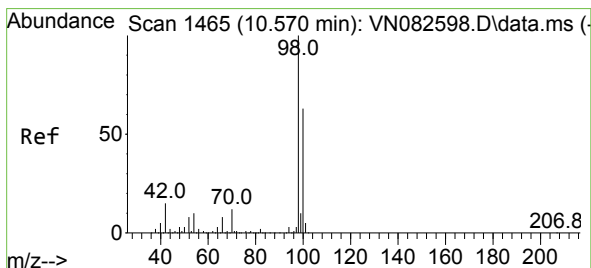
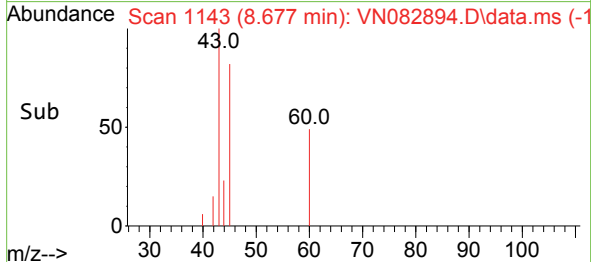
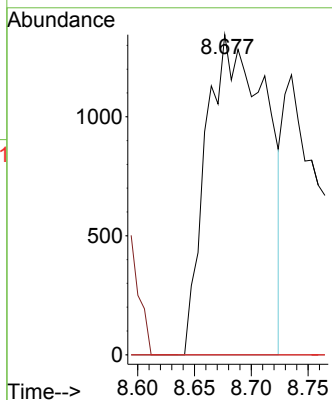
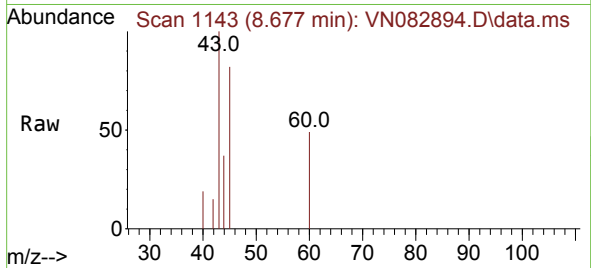




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.677 min Scan# 1143
Delta R.T. -0.017 min
Lab File: VN082894.D
Acq: 12 Jul 2024 13:03

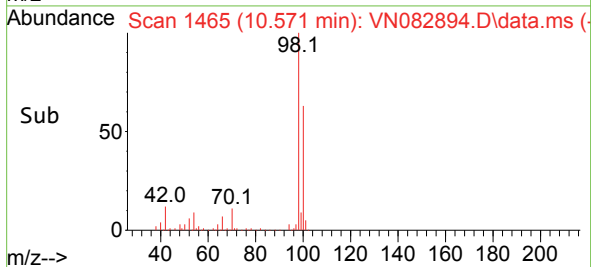
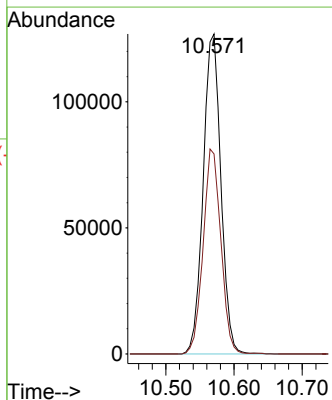
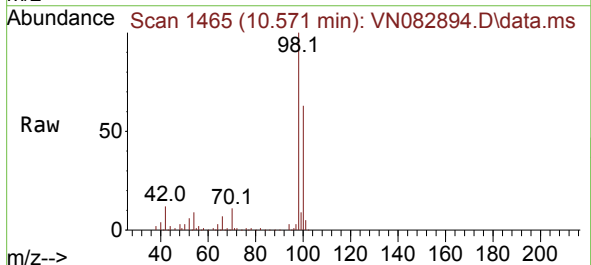
Instrument :
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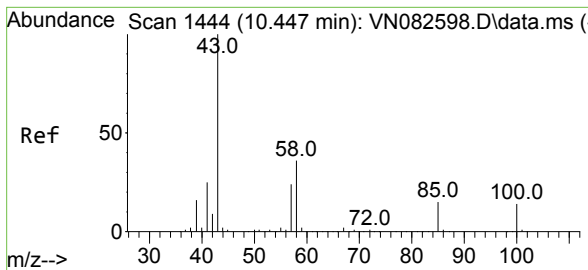
Tgt Ion: 43 Resp: 4955
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 49.675 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082894.D
Acq: 12 Jul 2024 13:03

Tgt Ion: 98 Resp: 229463
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

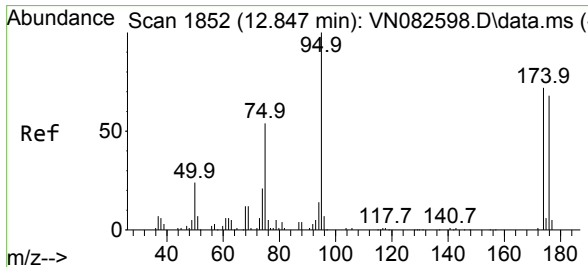
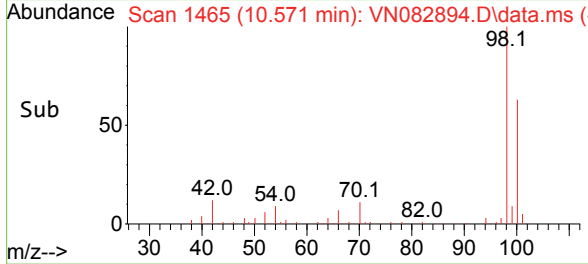
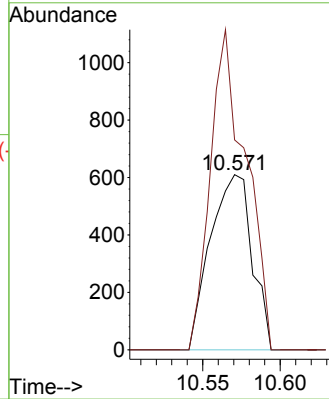
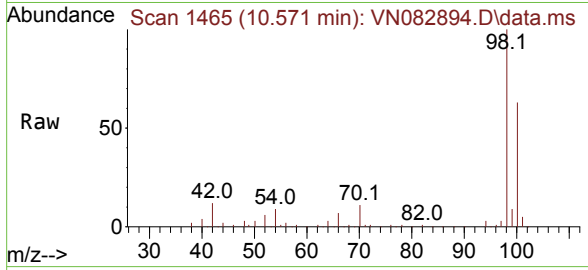




#51
 4-Methyl-2-Pentanone
 Concen: 0.654 ug/l
 RT: 10.571 min Scan# 1444
 Delta R.T. 0.124 min
 Lab File: VN082894.D
 Acq: 12 Jul 2024 13:03

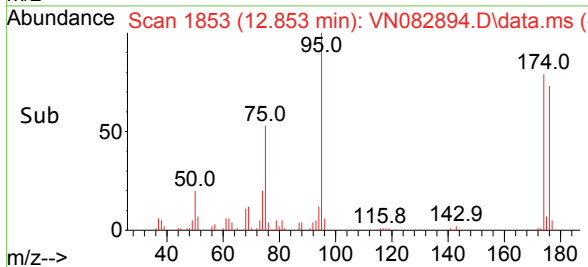
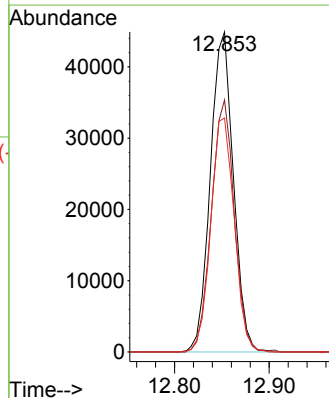
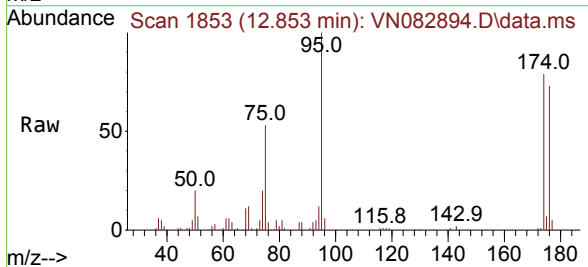
Instrument :
 MSVOA_N
 ClientSampleId :

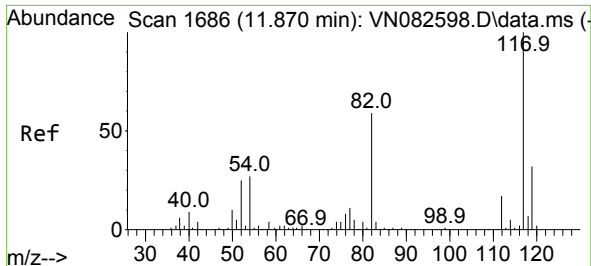
Tgt Ion: 43 Resp: 1139
 Ion Ratio Lower Upper
 43 100
 58 156.2 28.2 42.4#



#62
 4-Bromofluorobenzene
 Concen: 45.700 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN082894.D
 Acq: 12 Jul 2024 13:03

Tgt Ion: 95 Resp: 75829
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 159.2
 176 74.6 0.0 147.6

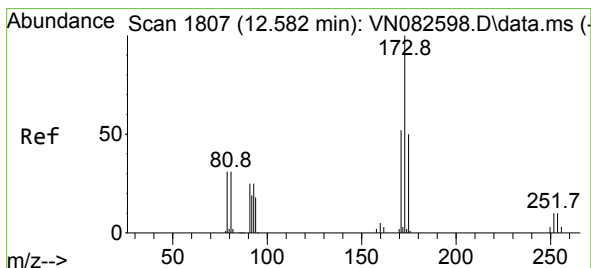
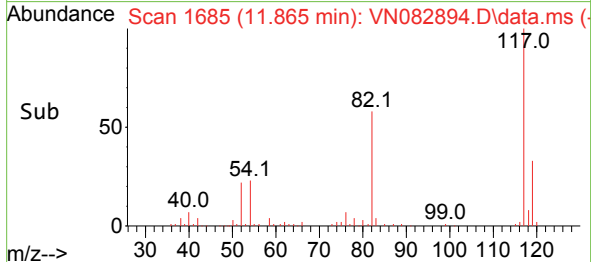
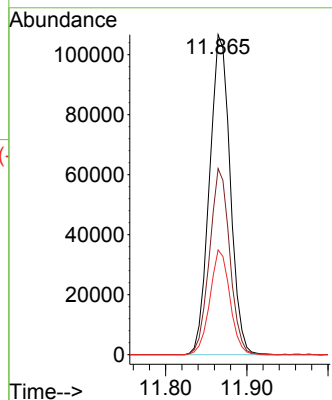
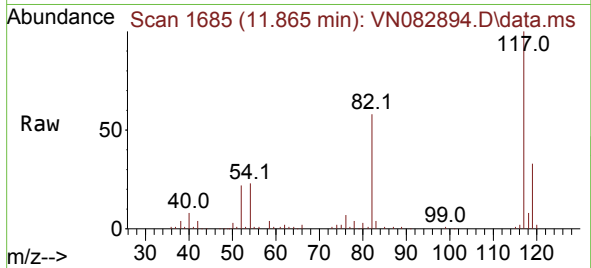




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN082894.D
Acq: 12 Jul 2024 13:03

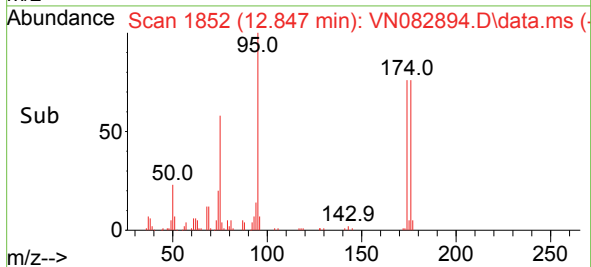
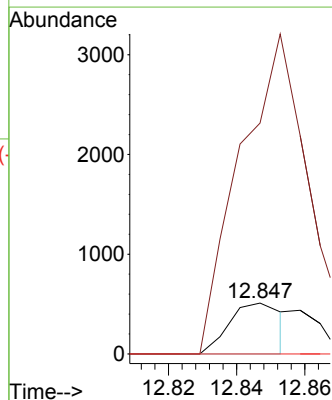
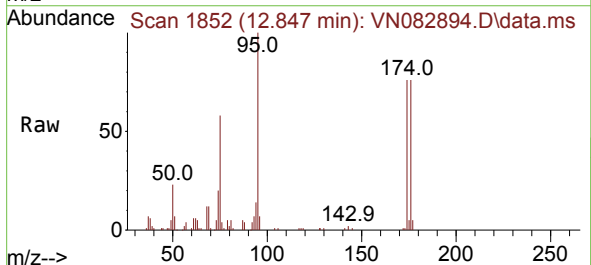
Instrument :
MSVOA_N
ClientSampleId :

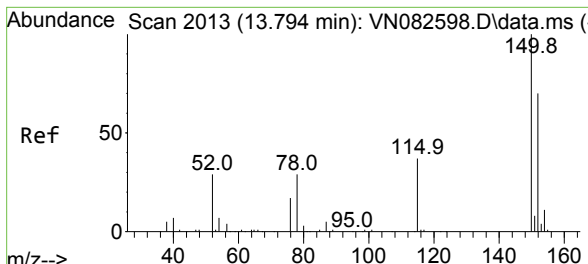
Tgt Ion:117 Resp: 188773
Ion Ratio Lower Upper
117 100
82 58.1 47.5 71.3
119 32.8 25.6 38.4



#71
Bromoform
Concen: 0.490 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082894.D
Acq: 12 Jul 2024 13:03

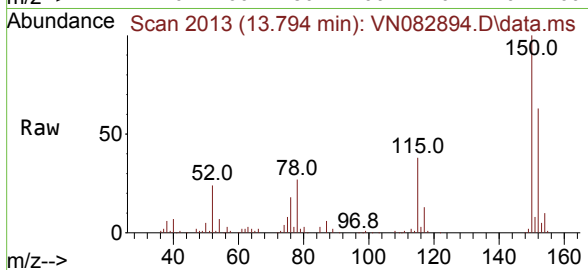
Tgt Ion:173 Resp: 555
Ion Ratio Lower Upper
173 100
175 697.7 24.0 72.0#
254 0.0 0.0 0.0



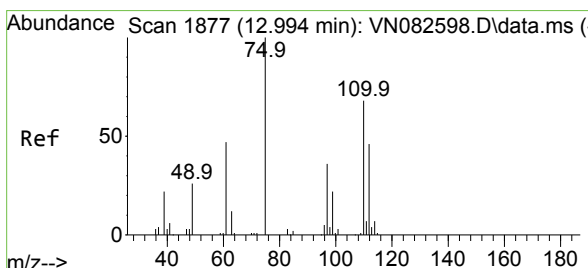
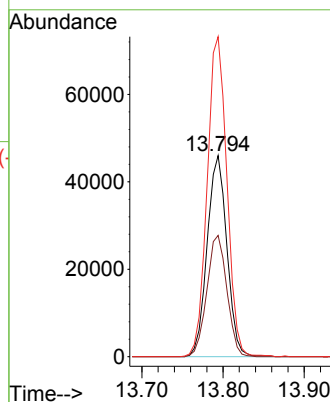
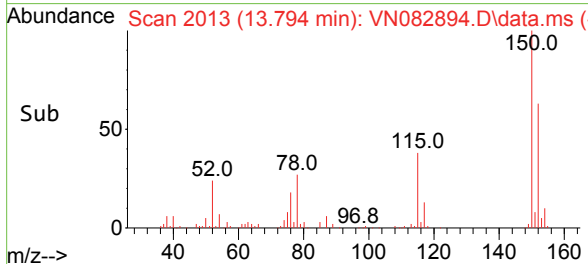


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN082894.D
 Acq: 12 Jul 2024 13:03

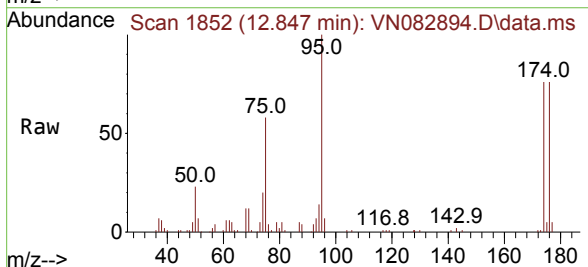
Instrument :
 MSVOA_N
 ClientSampleId :



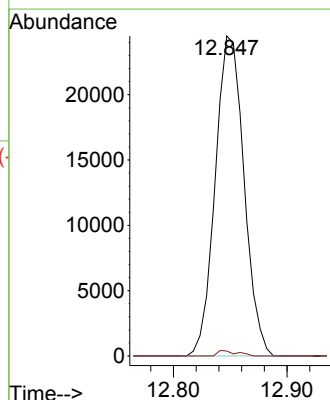
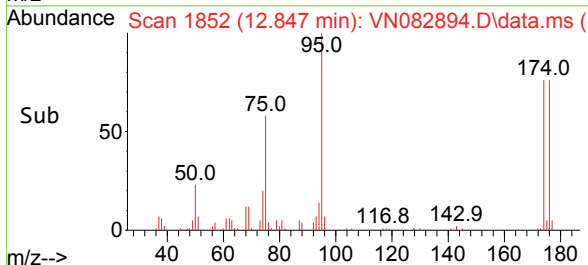
Tgt Ion:152 Resp: 77589
 Ion Ratio Lower Upper
 152 100
 115 61.2 30.6 91.6
 150 158.9 0.0 348.6

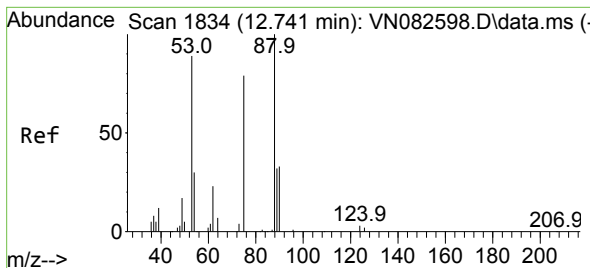


#76
 1,2,3-Trichloropropane
 Concen: 32.218 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN082894.D
 Acq: 12 Jul 2024 13:03



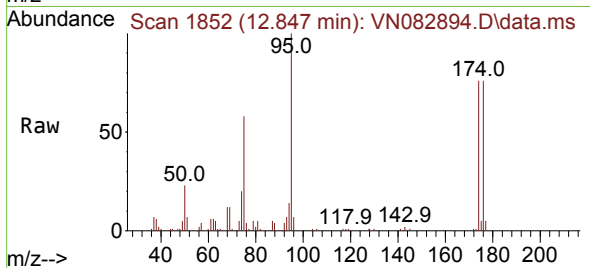
Tgt Ion: 75 Resp: 43097
 Ion Ratio Lower Upper
 75 100
 77 1.1 110.9 332.6#



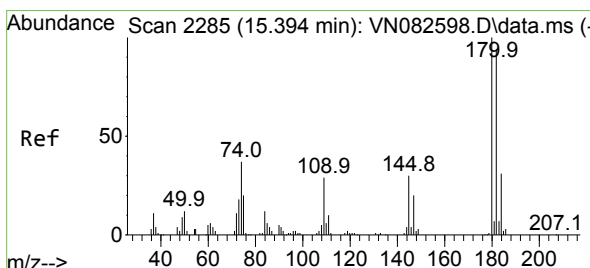
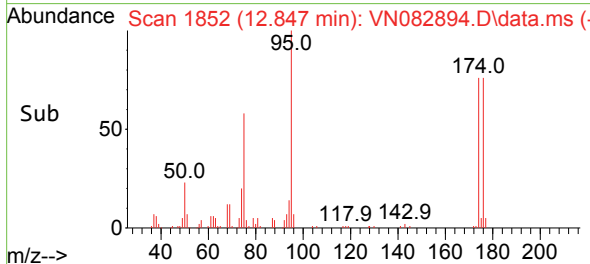
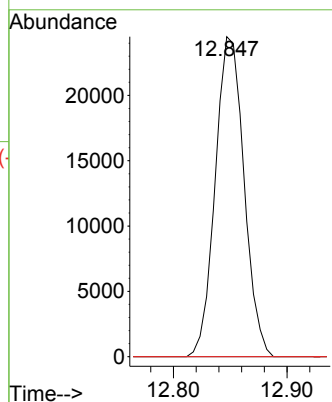


#81
trans-1,4-Dichloro-2-butene
Concen: 63.363 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN082894.D
Acq: 12 Jul 2024 13:03

Instrument :
MSVOA_N
ClientSampleId :

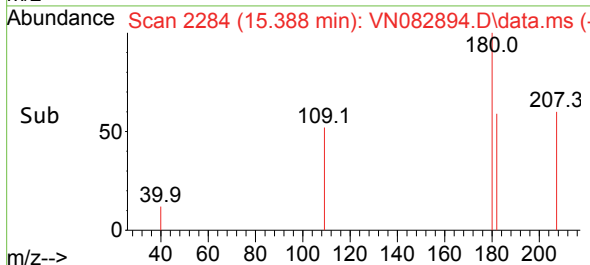
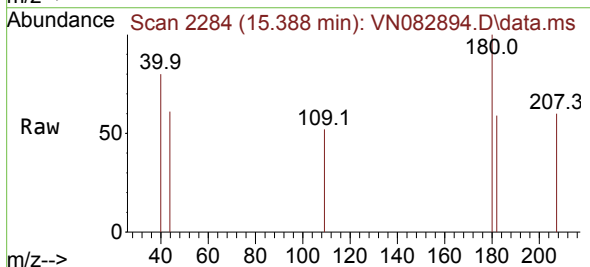
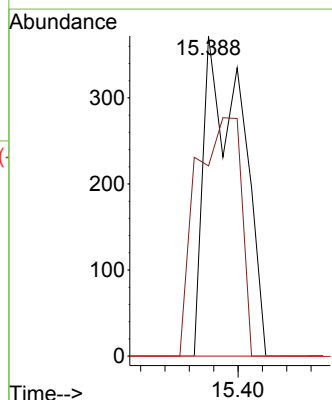


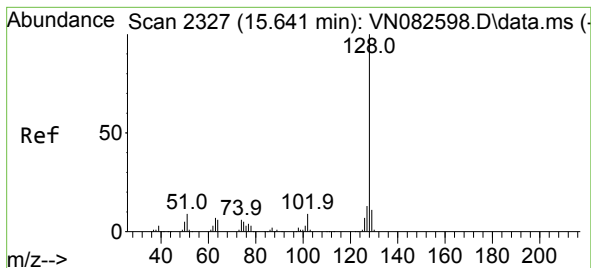
Tgt Ion: 75 Resp: 43097
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.291 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN082894.D
Acq: 12 Jul 2024 13:03

Tgt Ion:180 Resp: 400
Ion Ratio Lower Upper
180 100
182 88.8 47.3 141.8
145 0.0 15.7 47.1#





#95

Naphthalene

Concen: 0.256 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN082894.D

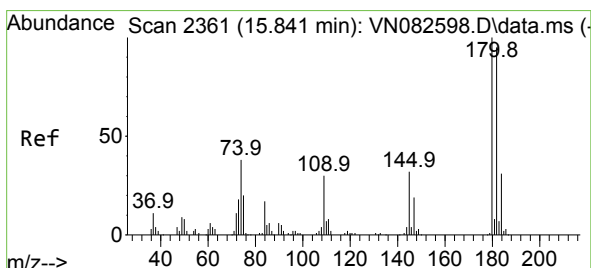
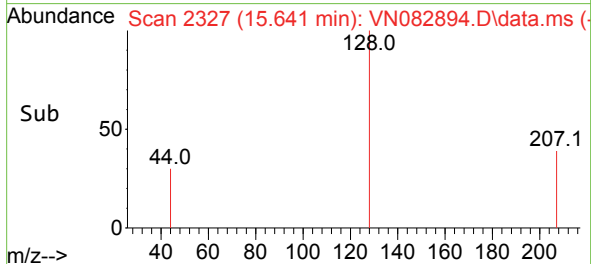
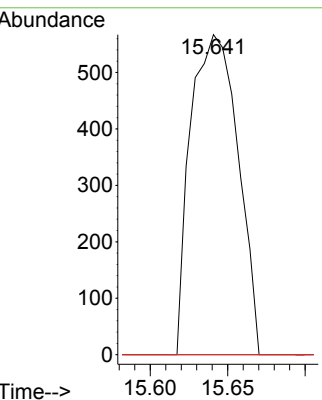
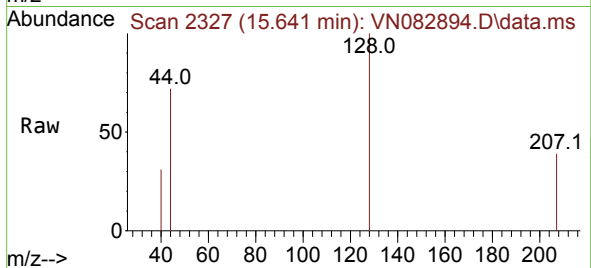
Acq: 12 Jul 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	1204
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: 0.265 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN082894.D

Acq: 12 Jul 2024 13:03

Tgt Ion:180	Resp:	374
Ion	Ratio	Lower Upper
180	100	
182	75.7	48.9 146.8
145	0.0	16.8 50.4#

