

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072224\
 Data File : VN083002.D
 Acq On : 22 Jul 2024 13:51
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 23 03:50:32 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)

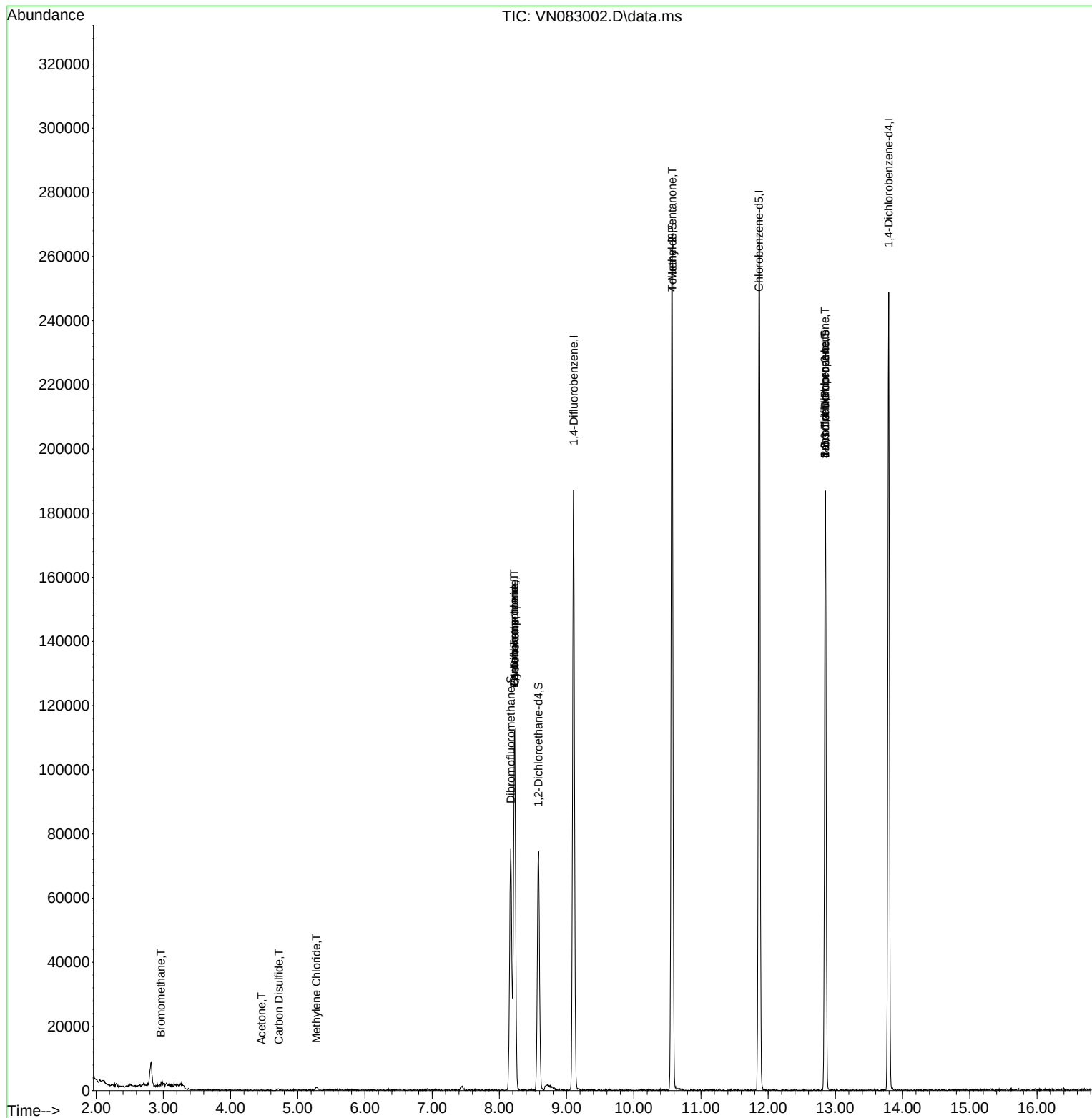
Internal Standards						
1) Pentafluorobenzene	8.224	168	78208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	152775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	157345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	64552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	61571	56.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.320%			
35) Dibromofluoromethane	8.171	113	51683	52.721	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.440%			
50) Toluene-d8	10.571	98	181468	50.118	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.240%			
62) 4-Bromofluorobenzene	12.847	95	59041	45.395	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 90.780%			
Target Compounds			Qvalue			
5) Bromomethane	2.965	94	346	0.476	ug/l #	74
16) Acetone	4.459	43	259	0.671	ug/l #	48
17) Carbon Disulfide	4.718	76	736	0.309	ug/l #	75
20) Methylene Chloride	5.277	84	532	0.571	ug/l #	42
31) Cyclohexane	8.230	56	2272	1.585	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	7371	5.454	ug/l #	50
38) Carbon Tetrachloride	8.224	117	8662	5.323	ug/l #	16
43) Isopropyl Acetate	8.706	43	1548	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.571	43	875	0.641	ug/l #	1
71) Bromoform	12.847	173	758	0.804	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	33614	30.204	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	33614	59.402	ug/l #	6

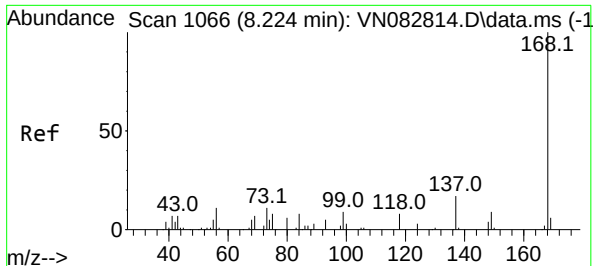
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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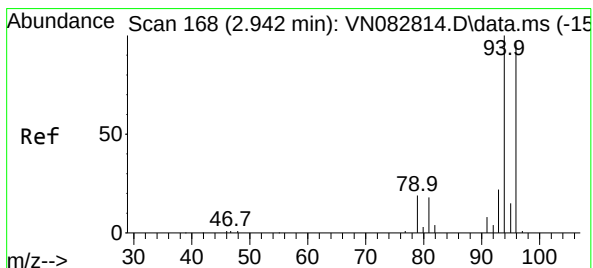
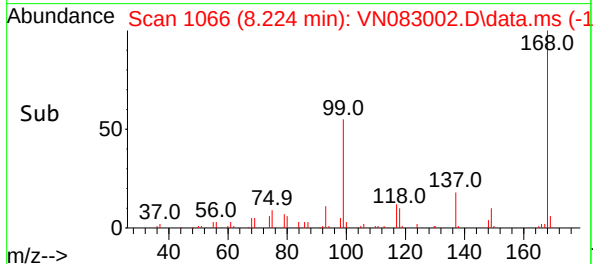
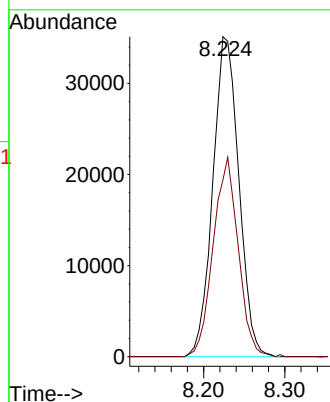
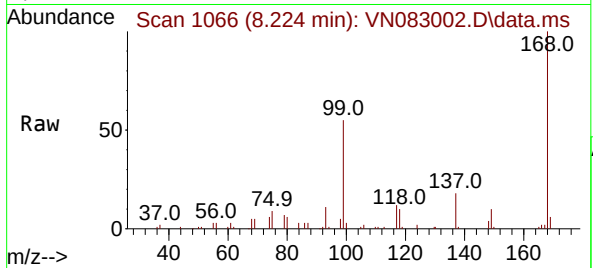




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

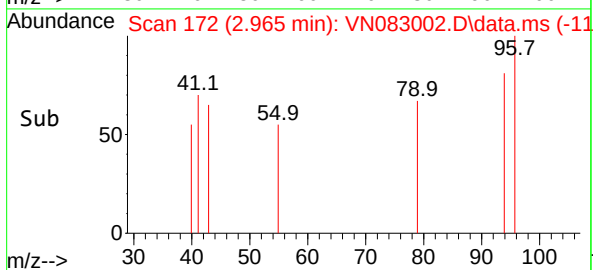
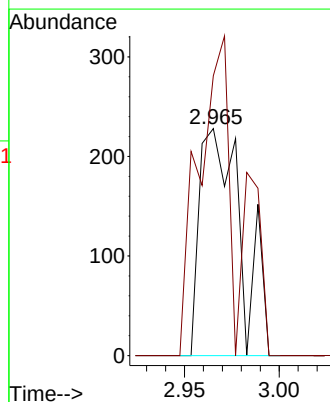
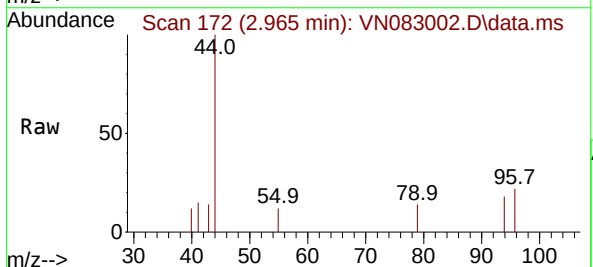
Instrument :
MSVOA_N
ClientSampleId :

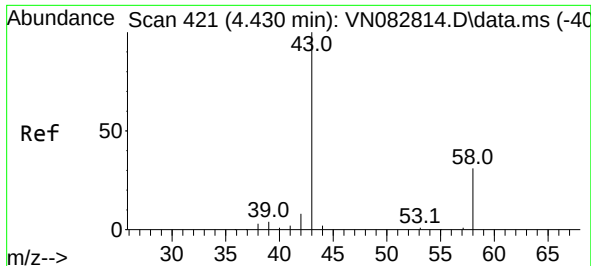
Tgt Ion:168 Resp: 78208
Ion Ratio Lower Upper
168 100
99 55.2 48.2 72.4



#5
Bromomethane
Concen: 0.476 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

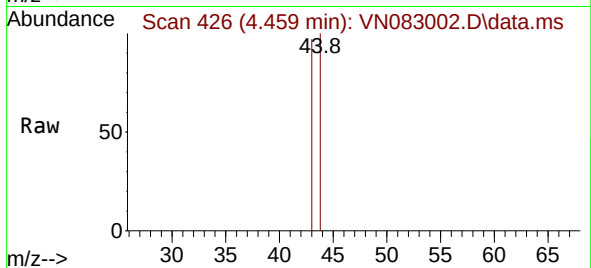
Tgt Ion: 94 Resp: 346
Ion Ratio Lower Upper
94 100
96 123.2 78.0 117.0#



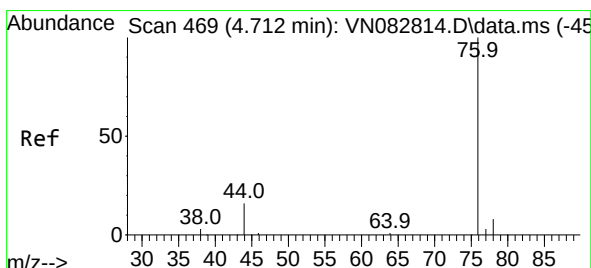
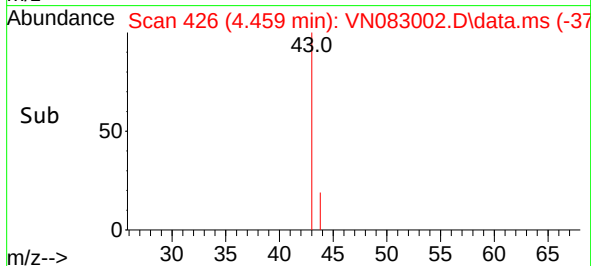
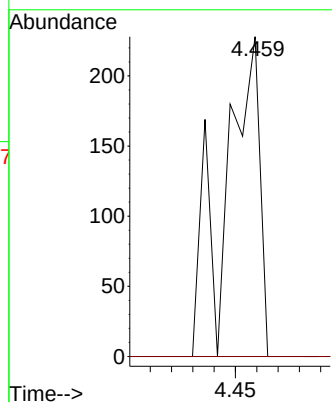


#16
Acetone
Concen: 0.671 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

Instrument :
MSVOA_N
ClientSampleId :

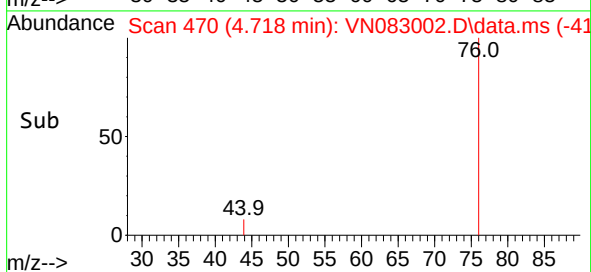
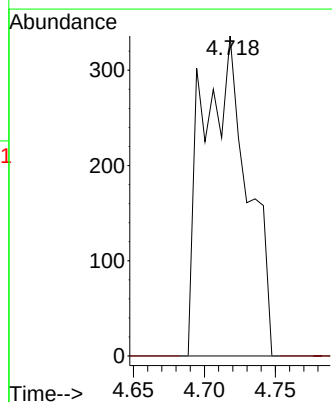
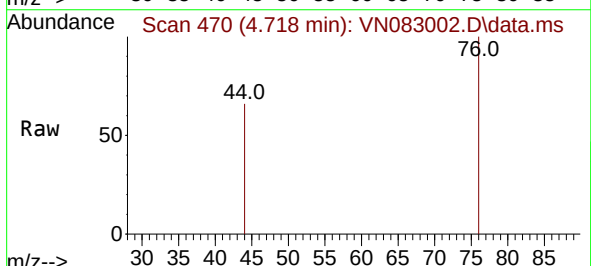


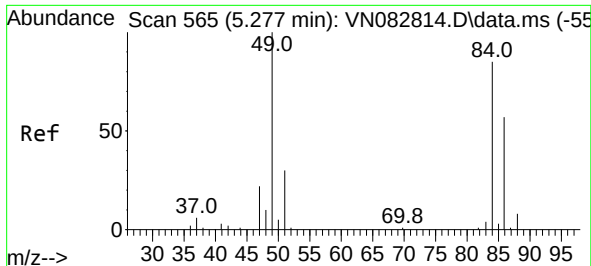
Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#



#17
Carbon Disulfide
Concen: 0.309 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

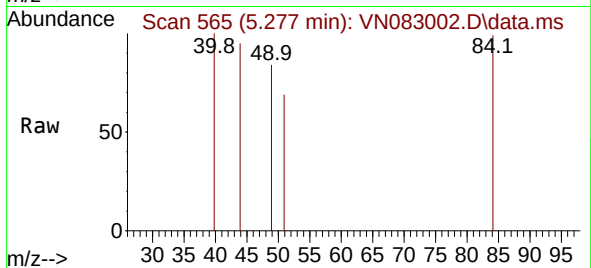
Tgt Ion: 76 Resp: 736
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



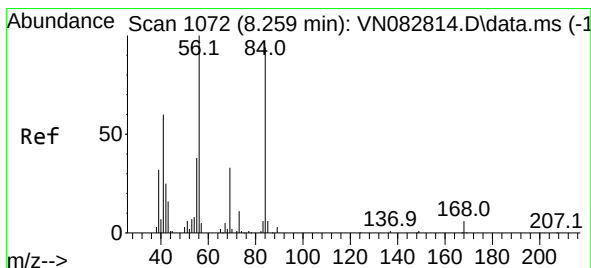
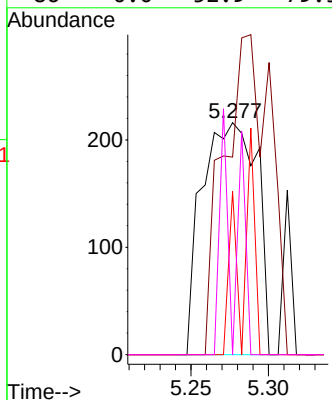
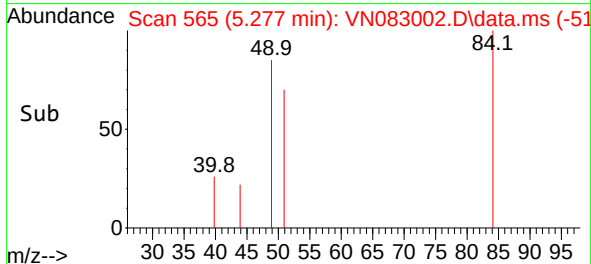


#20
Methylene Chloride
Concen: 0.571 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

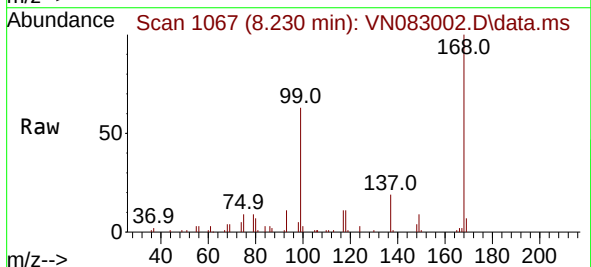
Instrument :
MSVOA_N
ClientSampleId :



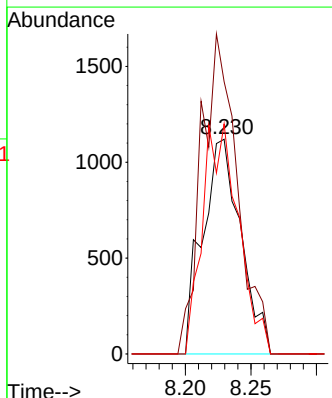
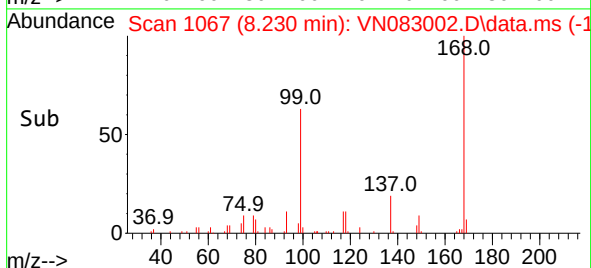
Tgt Ion:	84	Resp:	532
Ion	Ratio	Lower	Upper
84	100		
49	85.2	119.6	179.4#
51	70.4	34.8	52.2#
86	0.0	52.9	79.3#

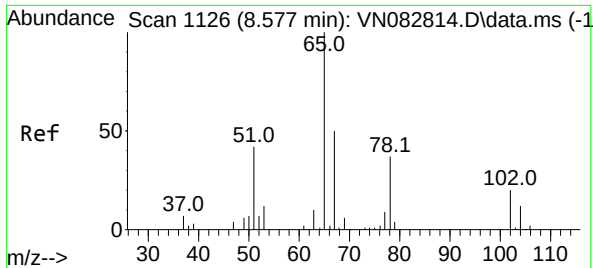


#31
Cyclohexane
Concen: 1.585 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51



Tgt Ion:	56	Resp:	2272
Ion	Ratio	Lower	Upper
56	100		
69	126.8	24.5	36.7#
84	107.1	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 56.162 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083002.D

Acq: 22 Jul 2024 13:51

Instrument :

MSVOA_N

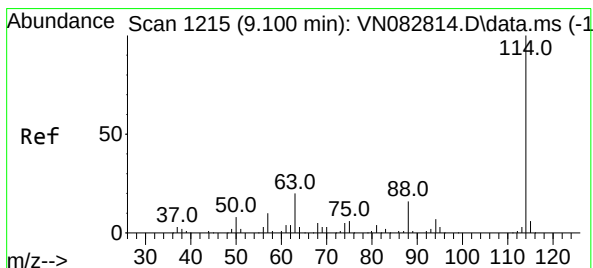
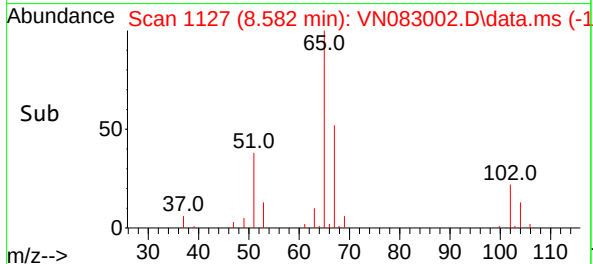
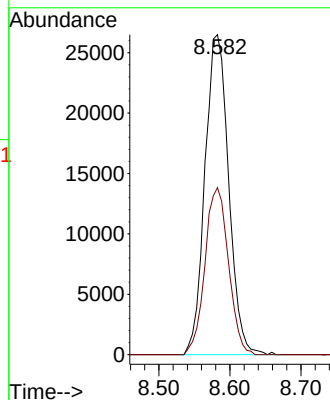
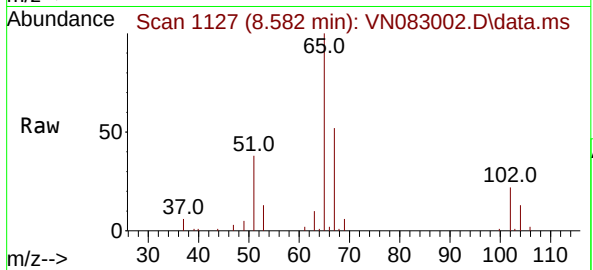
ClientSampleId :

Tgt Ion: 65 Resp: 61571

Ion Ratio Lower Upper

65 100

67 51.7 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: VN083002.D

Acq: 22 Jul 2024 13:51

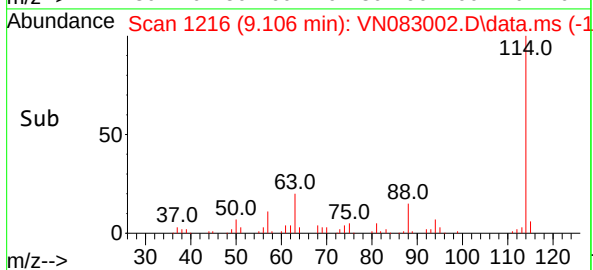
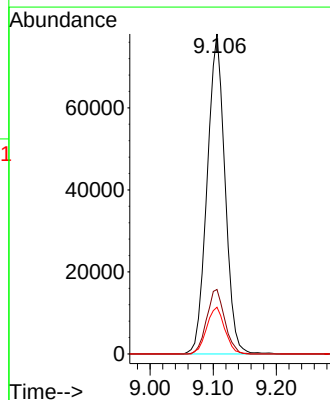
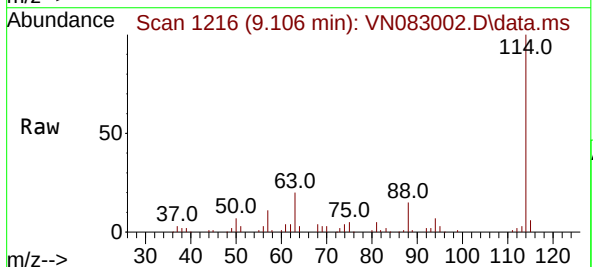
Tgt Ion: 114 Resp: 152775

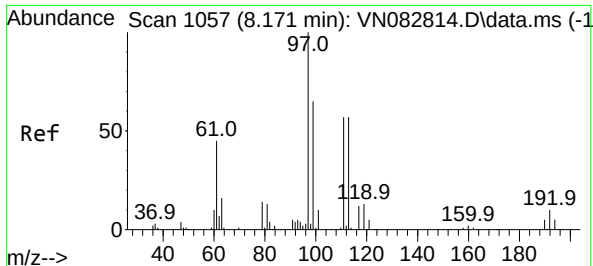
Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.6

88 14.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.721 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083002.D

Acq: 22 Jul 2024 13:51

Instrument :

MSVOA_N

ClientSampleId :

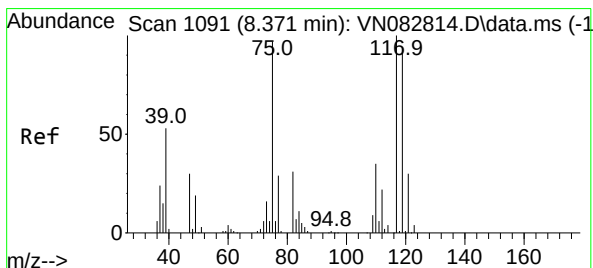
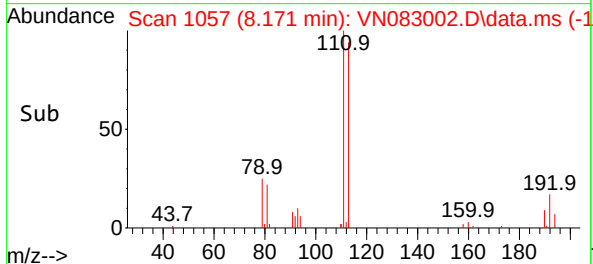
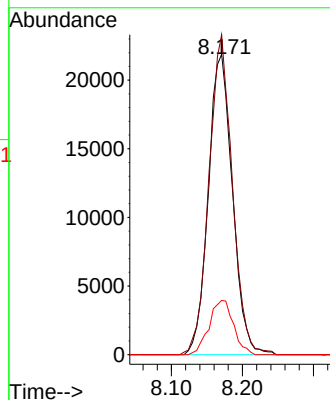
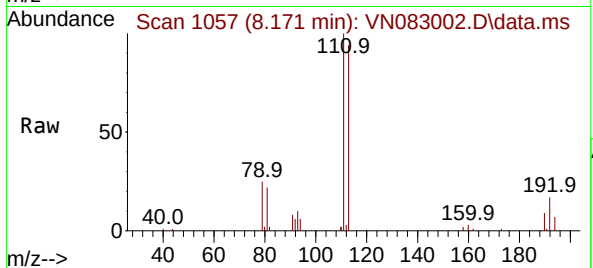
Tgt Ion:113 Resp: 51683

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

192 18.2 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.454 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083002.D

Acq: 22 Jul 2024 13:51

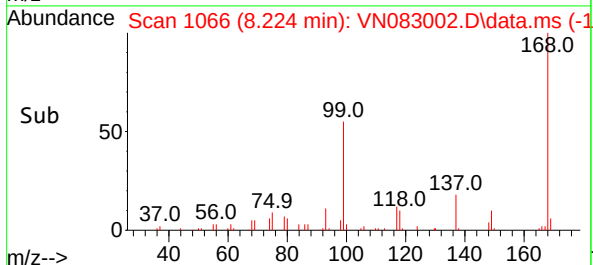
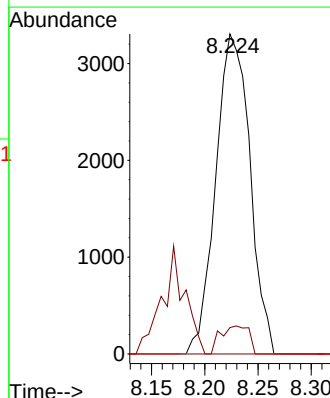
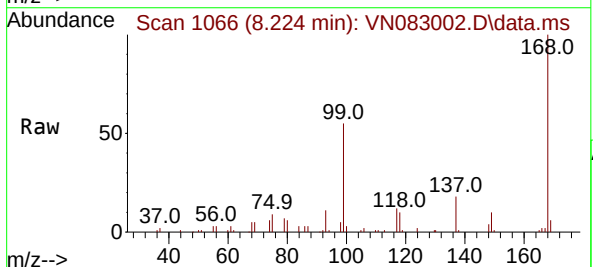
Tgt Ion: 75 Resp: 7371

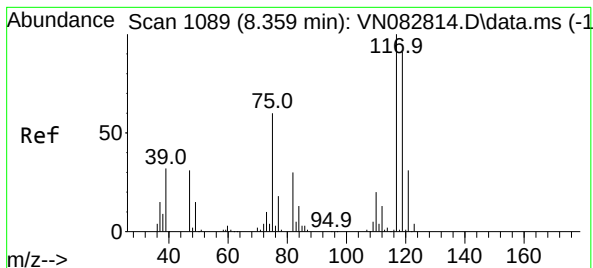
Ion Ratio Lower Upper

75 100

110 7.3 16.3 48.9#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.323 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

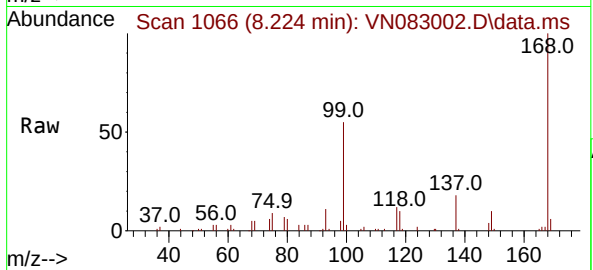
Lab File: VN083002.D

Acq: 22 Jul 2024 13:51

Instrument :

MSVOA_N

ClientSampleId :



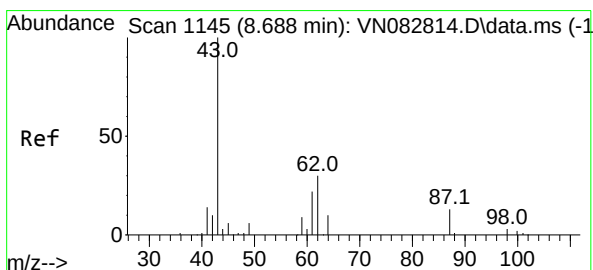
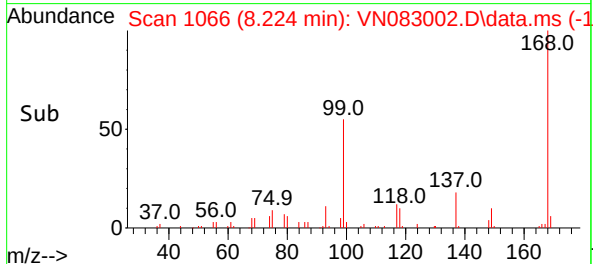
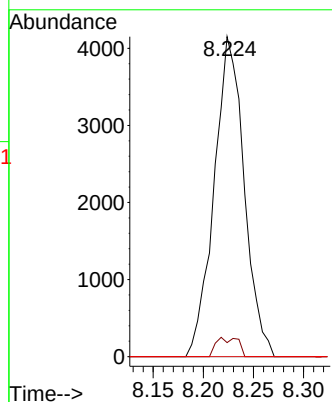
Tgt Ion:117 Resp: 8662

Ion Ratio Lower Upper

117 100

119 4.4 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.706 min Scan# 1148

Delta R.T. 0.012 min

Lab File: VN083002.D

Acq: 22 Jul 2024 13:51

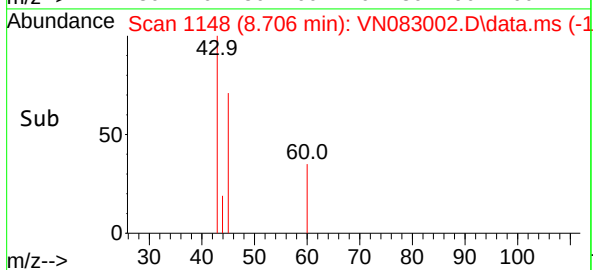
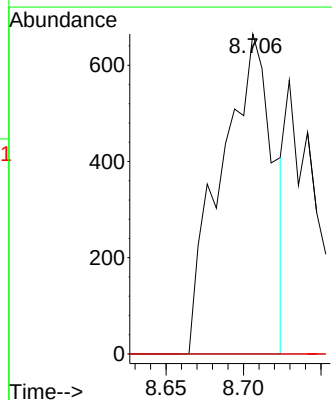
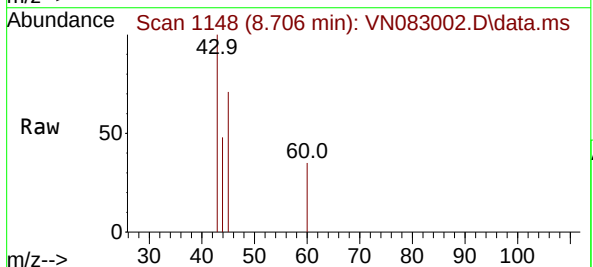
Tgt Ion: 43 Resp: 1548

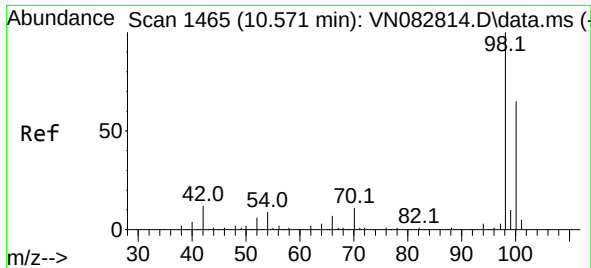
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

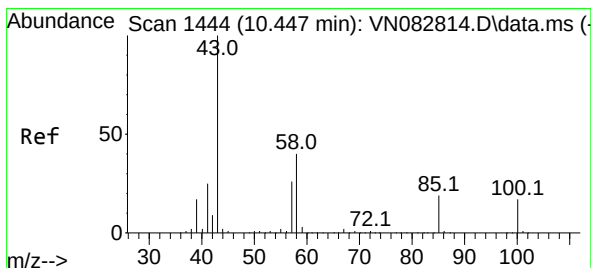
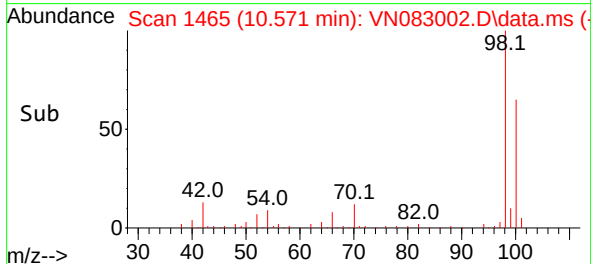
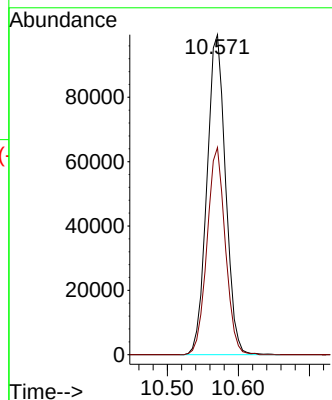
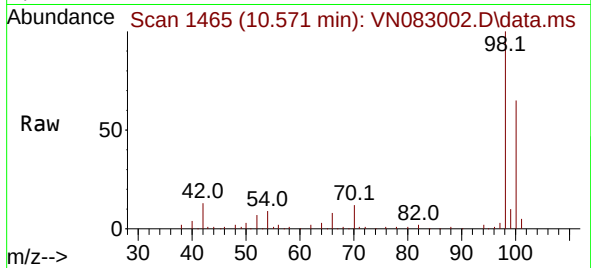




#50
Toluene-d8
Concen: 50.118 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

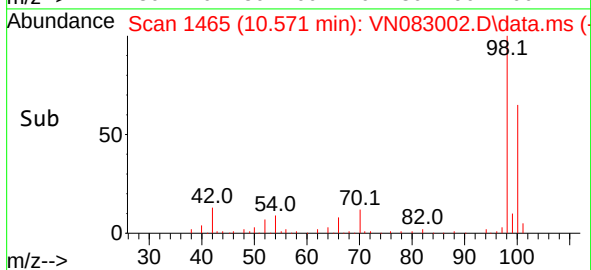
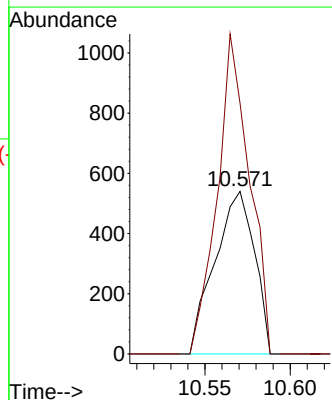
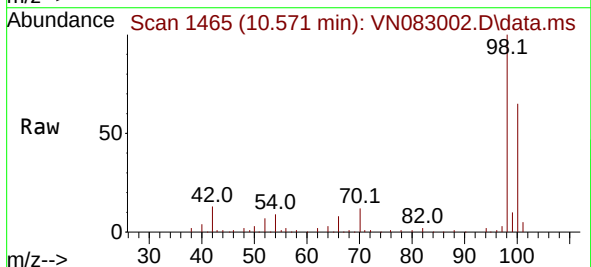
Instrument :
MSVOA_N
ClientSampleId :

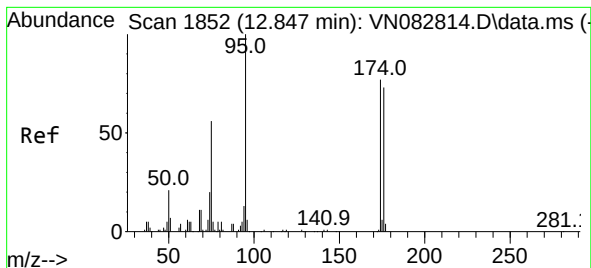
Tgt Ion: 98 Resp: 181468
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.641 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 159.7 28.2 42.4#

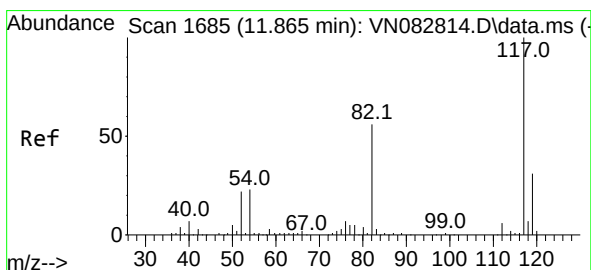
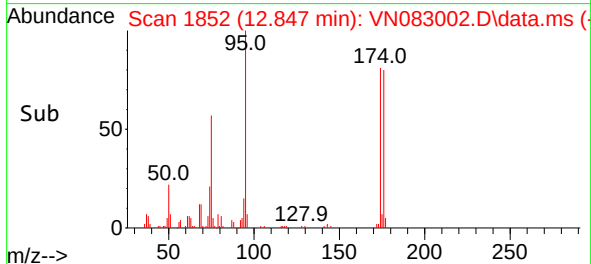
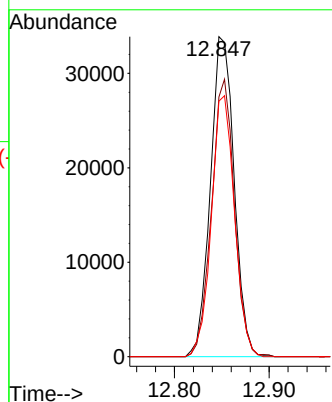
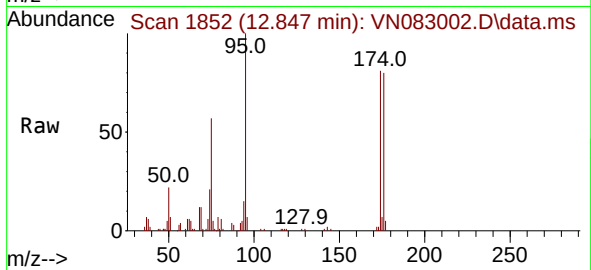




#62
4-Bromofluorobenzene
Concen: 45.395 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

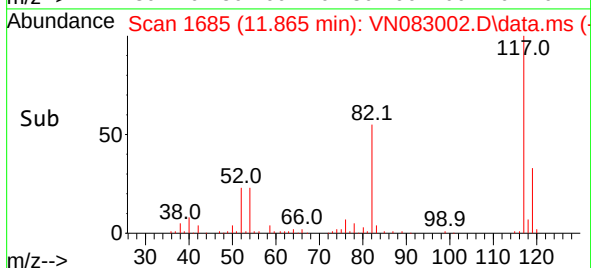
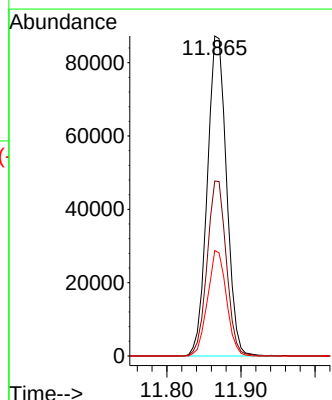
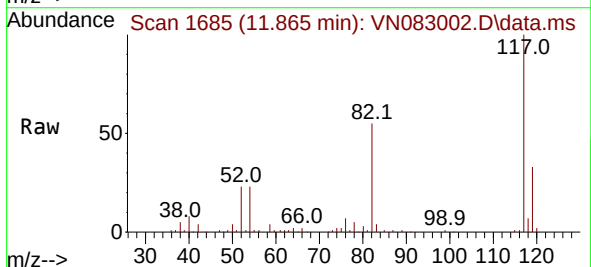
Instrument :
MSVOA_N
ClientSampleId :

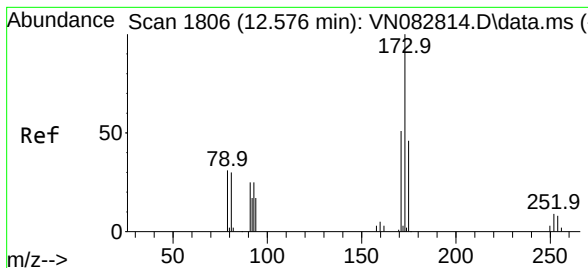
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	159.2
176	79.6	0.0	147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	47.5	71.3
119	32.9	25.6	38.4





#71

Bromoform

Concen: 0.804 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.265 min

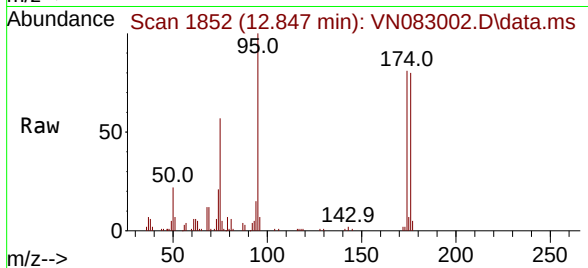
Lab File: VN083002.D

Acq: 22 Jul 2024 13:51

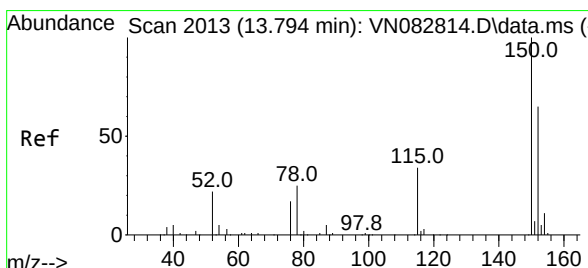
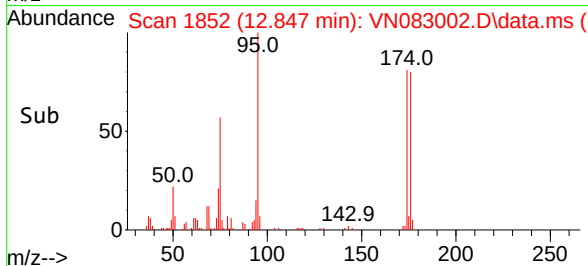
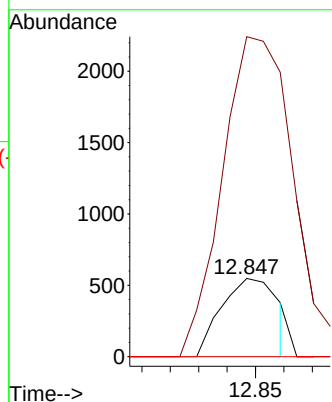
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	758
Ion Ratio	Lower	Upper	
173	100		
175	431.1	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

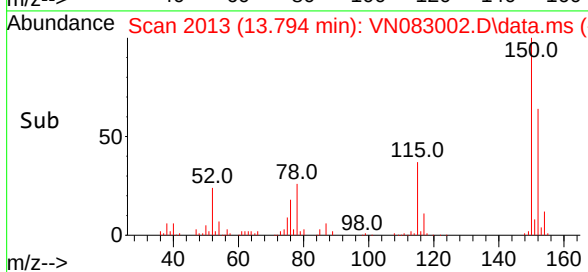
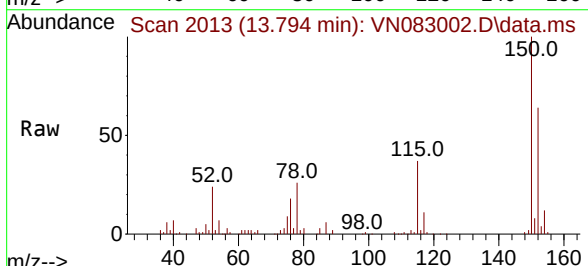
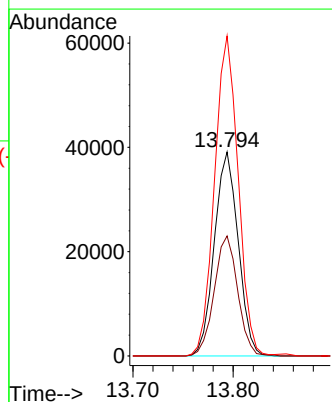
RT: 13.794 min Scan# 2013

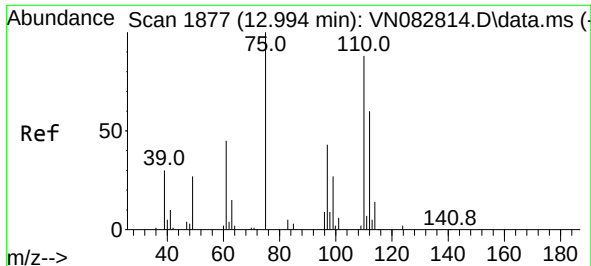
Delta R.T. -0.000 min

Lab File: VN083002.D

Acq: 22 Jul 2024 13:51

Tgt Ion:	152	Resp:	64552
Ion Ratio	Lower	Upper	
152	100		
115	58.1	30.6	91.6
150	155.3	0.0	348.6

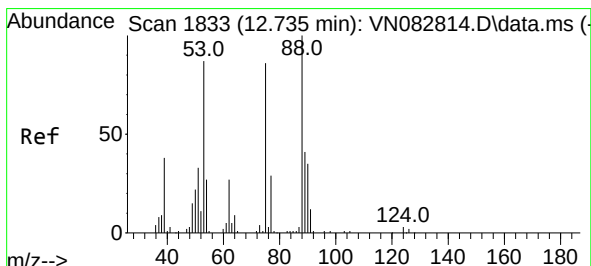
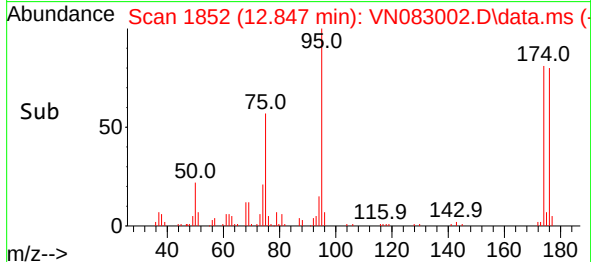
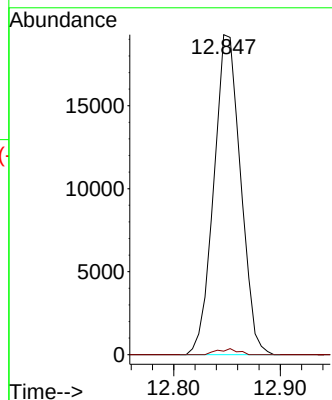
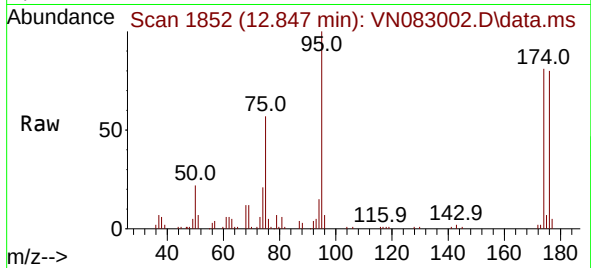




#76
1,2,3-Trichloropropane
Concen: 30.204 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 33614
Ion Ratio Lower Upper
75 100
77 1.4 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.402 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN083002.D
Acq: 22 Jul 2024 13:51

Tgt Ion: 75 Resp: 33614
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

