

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081249.D
 Acq On : 28 Feb 2024 17:41
 Operator : JC\MD
 Sample : P1590-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-20240223

Quant Time: Feb 28 23:29:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

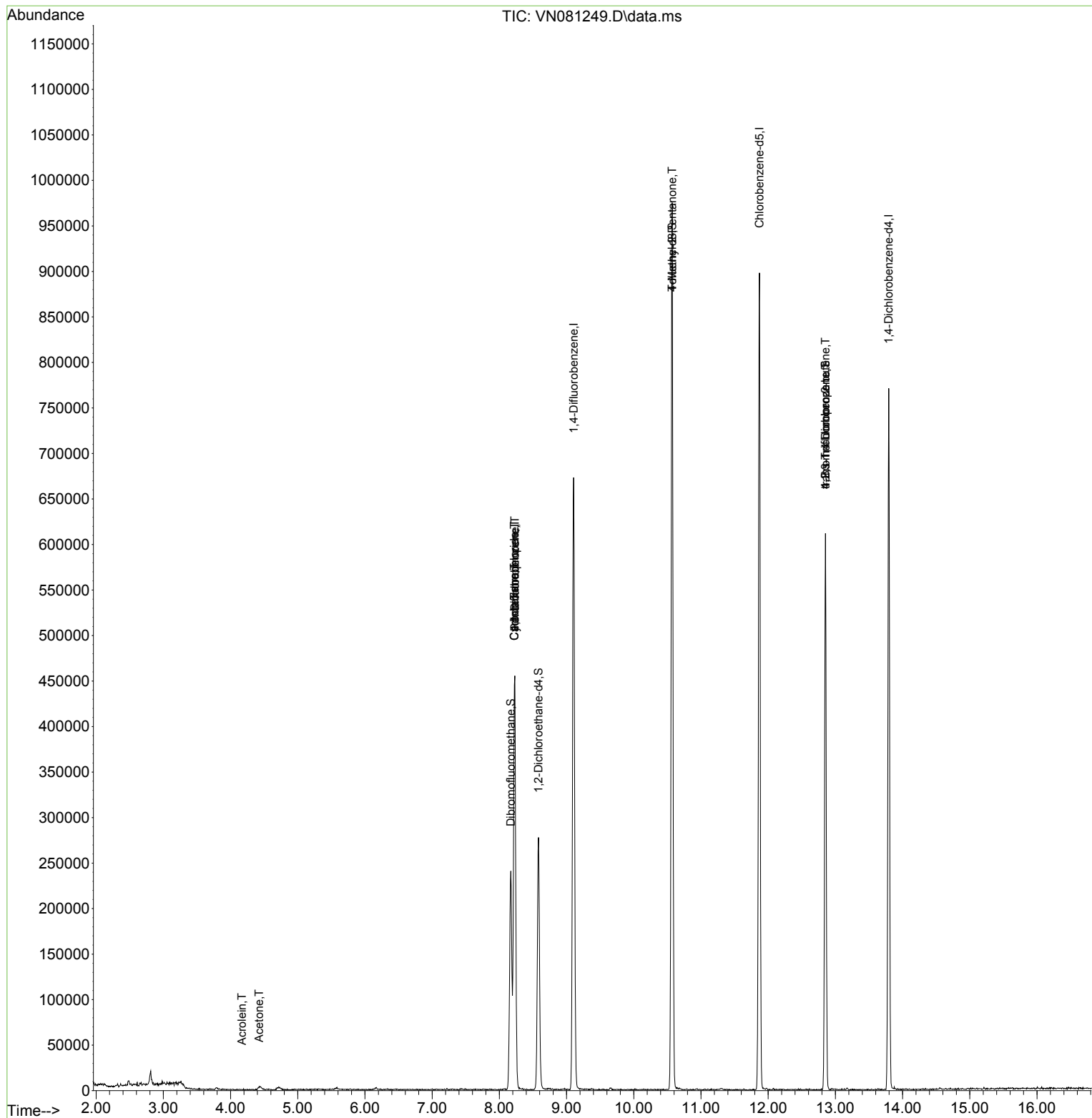
Internal Standards						
1) Pentafluorobenzene	8.229	168	309282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	585182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	511503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	217244	57.306	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.620%	
35) Dibromofluoromethane	8.171	113	167422	50.596	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.200%	
50) Toluene-d8	10.570	98	653159	55.575	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.140%	
62) 4-Bromofluorobenzene	12.853	95	204842	46.385	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1362	Below Cal	#	81
6) Chloroethane	3.136	64	243	Below Cal	#	42
13) Acrolein	4.171	56	378	1.012	ug/l #	15
16) Acetone	4.424	43	7704	5.165	ug/l	100
20) Methylene Chloride	5.271	84	281	Below Cal	#	4
31) Cyclohexane	8.224	56	8738	1.335	ug/l #	5
36) 1,1-Dichloropropene	8.229	75	29204	5.151	ug/l #	50
38) Carbon Tetrachloride	8.224	117	36101	6.294	ug/l #	17
51) 4-Methyl-2-Pentanone	10.570	43	3519	0.684	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	116285	26.022	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116285	66.978	ug/l #	14

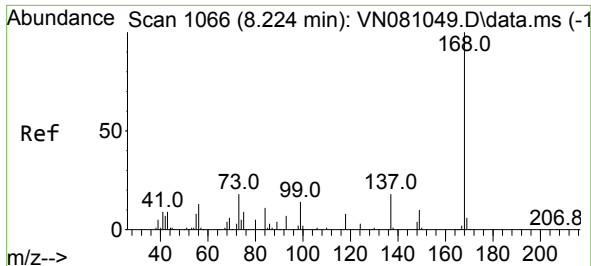
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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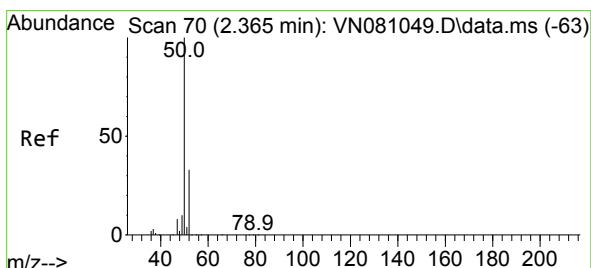
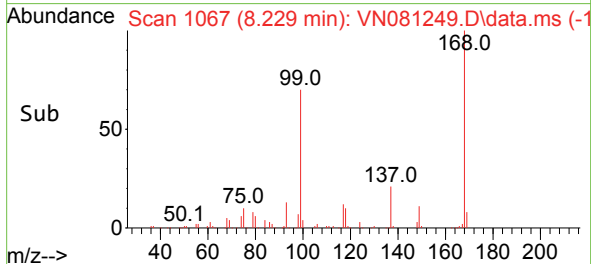
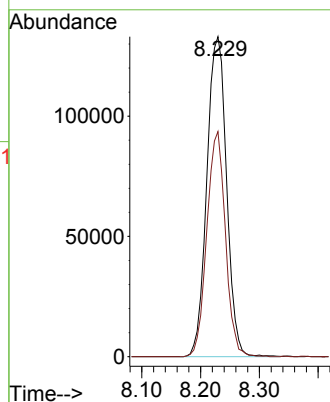
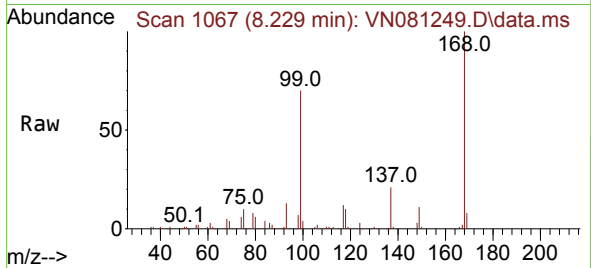




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

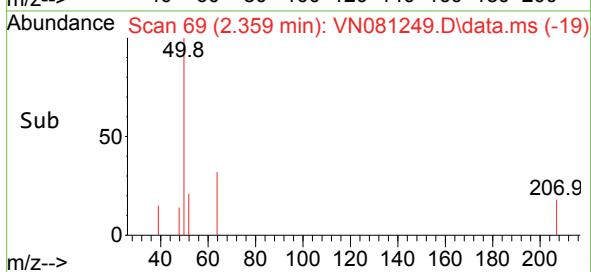
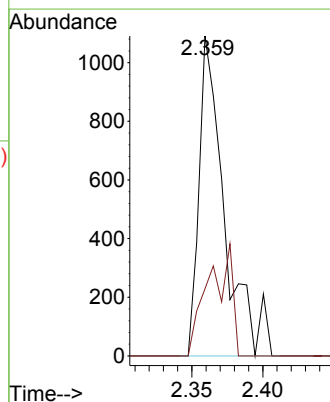
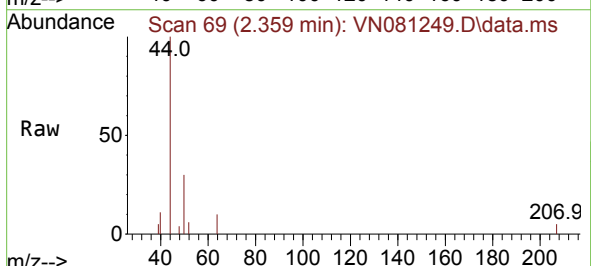
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

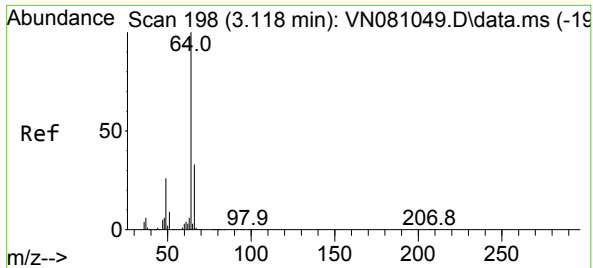
Tgt Ion:168 Resp: 309282
Ion Ratio Lower Upper
168 100
99 70.3 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

Tgt Ion: 50 Resp: 1362
Ion Ratio Lower Upper
50 100
52 21.0 25.0 37.4#

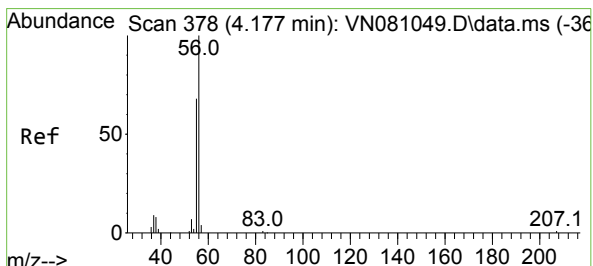
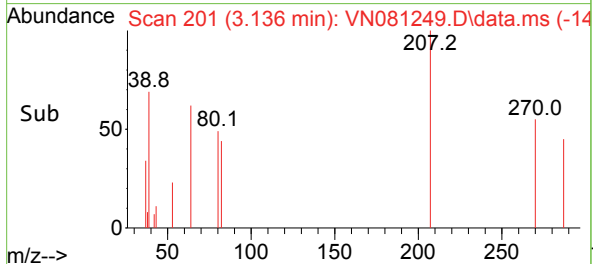
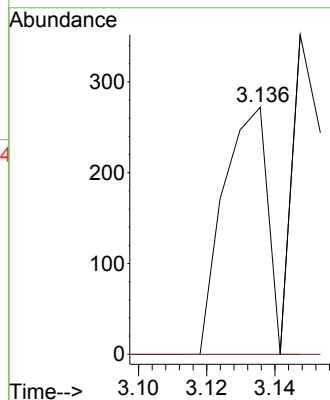
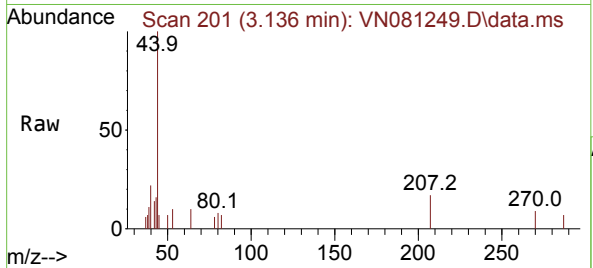




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

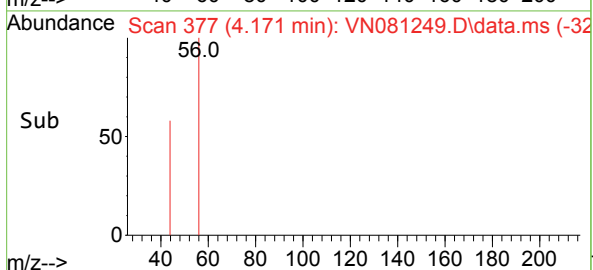
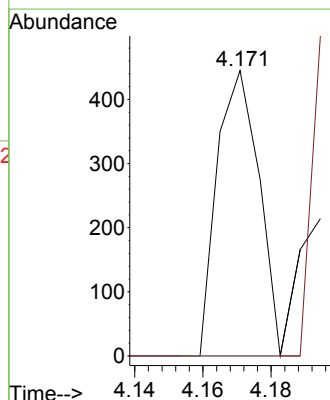
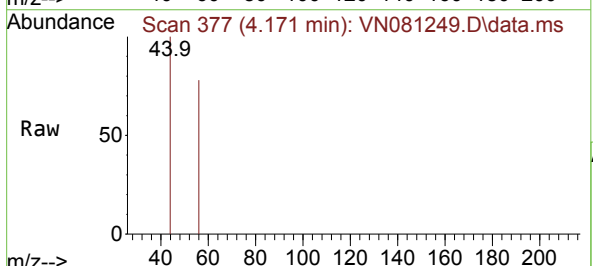
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

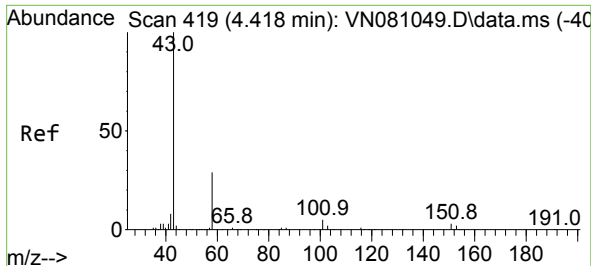
Tgt Ion: 64 Resp: 243
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 1.012 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

Tgt Ion: 56 Resp: 378
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

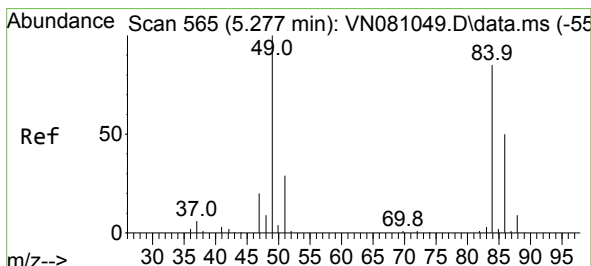
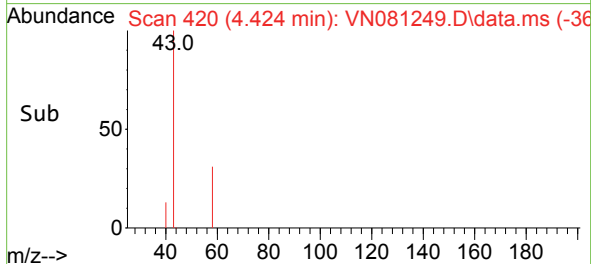
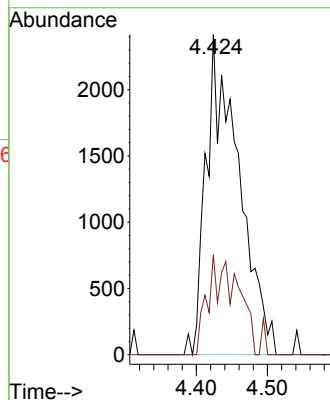
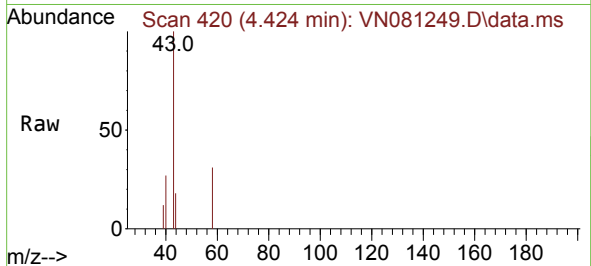




#16
Acetone
Concen: 5.165 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

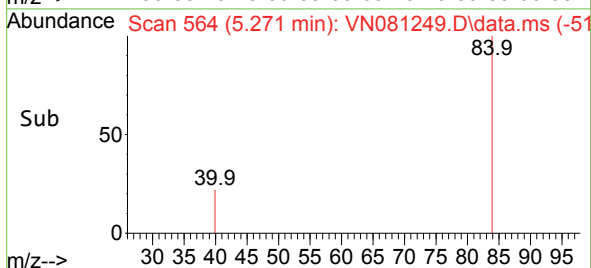
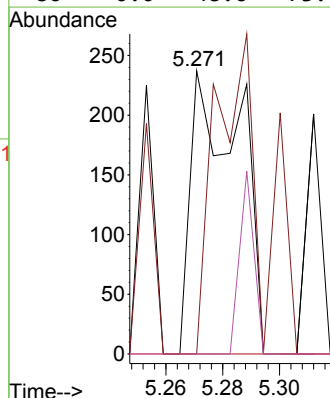
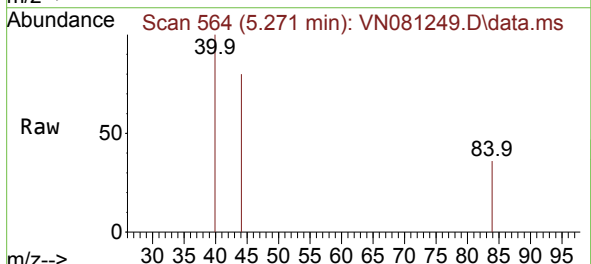
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

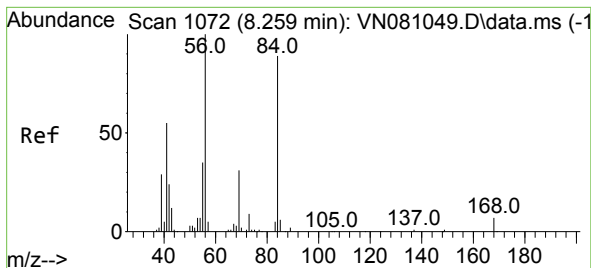
Tgt Ion: 43 Resp: 7704
Ion Ratio Lower Upper
43 100
58 31.3 24.8 37.2



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

Tgt Ion: 84 Resp: 281
Ion Ratio Lower Upper
84 100
49 0.0 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#





#31

Cyclohexane

Concen: 1.335 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.036 min

Lab File: VN081249.D

Acq: 28 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

EB02-20240223

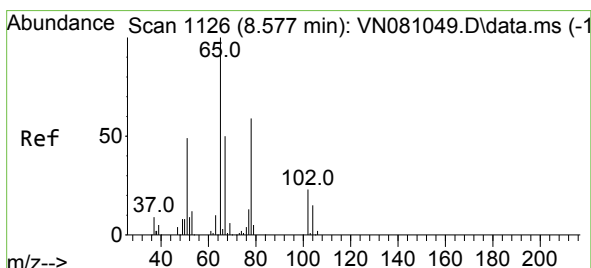
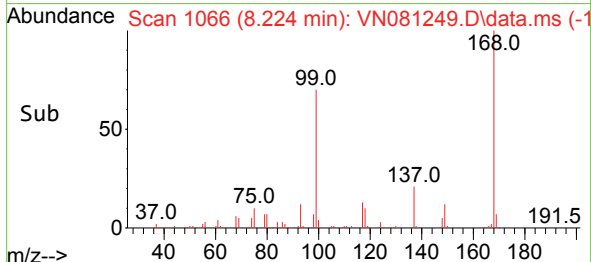
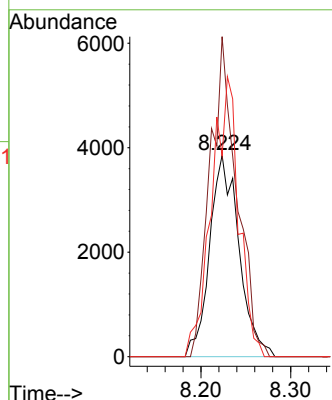
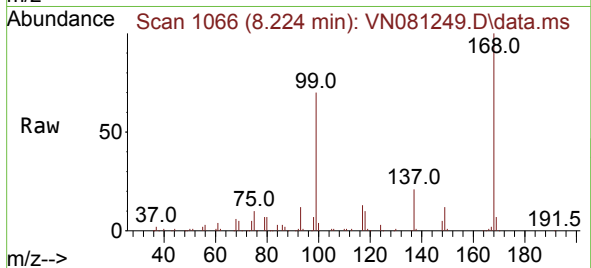
Tgt Ion: 56 Resp: 8738

Ion Ratio Lower Upper

56 100

69 158.9 20.1 30.1#

84 99.7 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 57.306 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081249.D

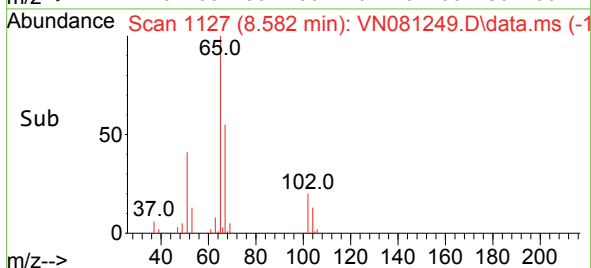
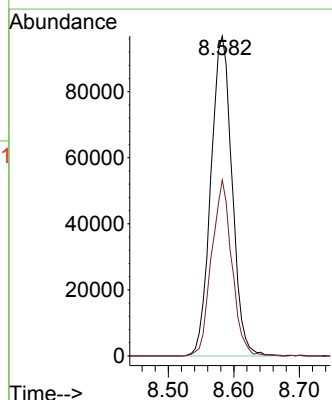
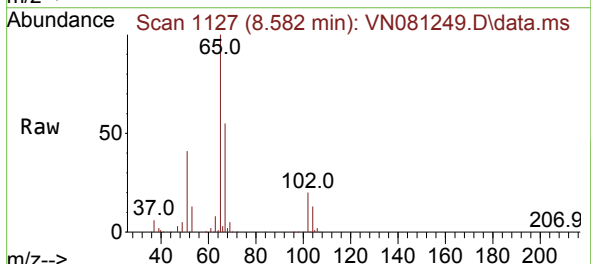
Acq: 28 Feb 2024 17:41

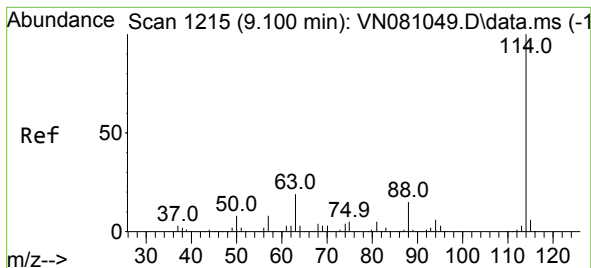
Tgt Ion: 65 Resp: 217244

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081249.D

Acq: 28 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

EB02-20240223

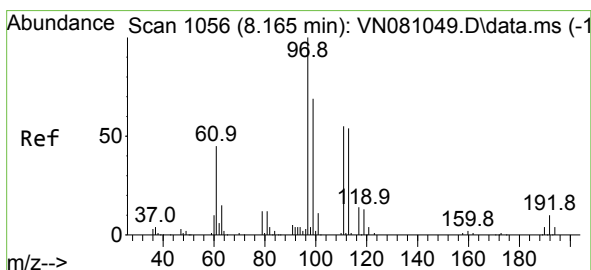
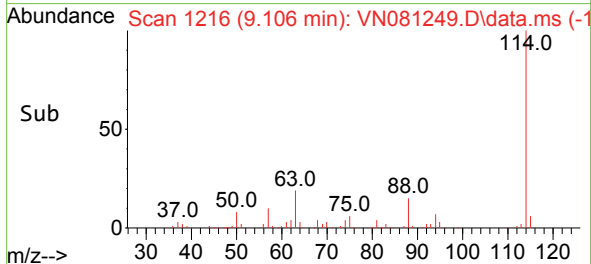
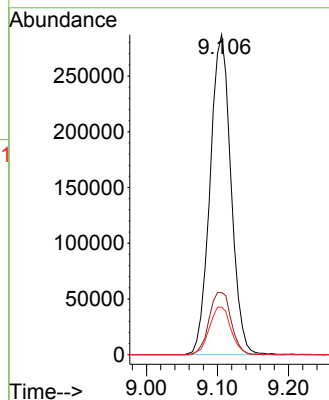
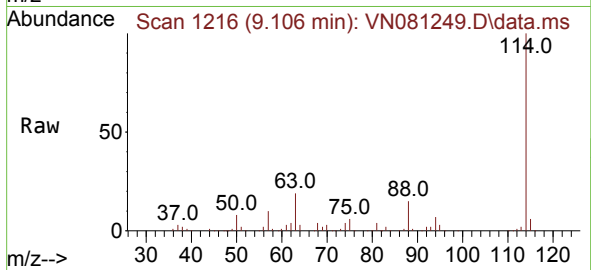
Tgt Ion:114 Resp: 585182

Ion Ratio Lower Upper

114 100

63 19.4 0.0 48.0

88 14.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.596 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081249.D

Acq: 28 Feb 2024 17:41

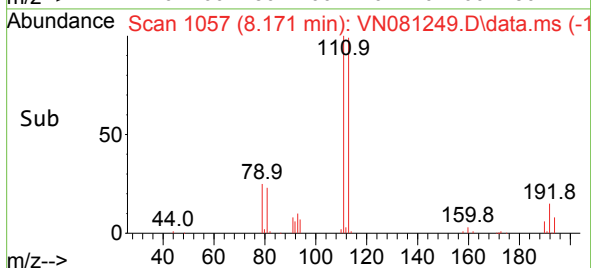
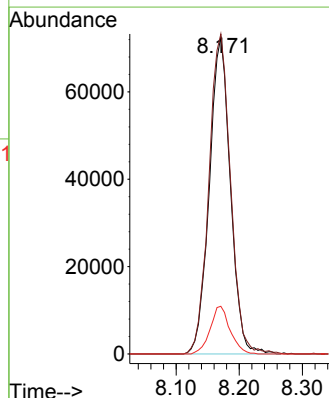
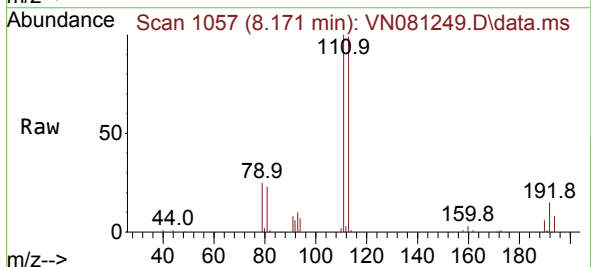
Tgt Ion:113 Resp: 167422

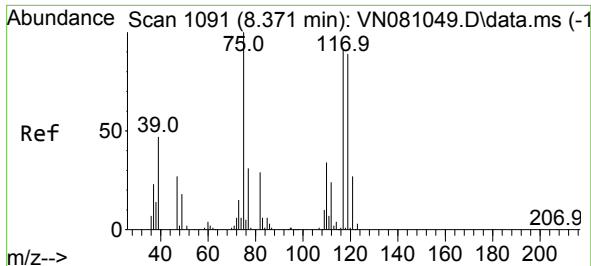
Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

192 14.3 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.151 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081249.D

Acq: 28 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

EB02-20240223

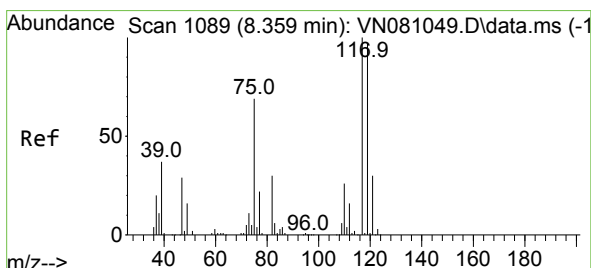
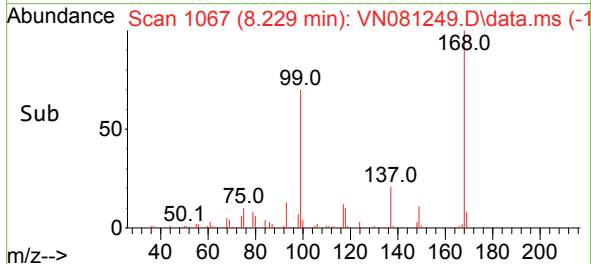
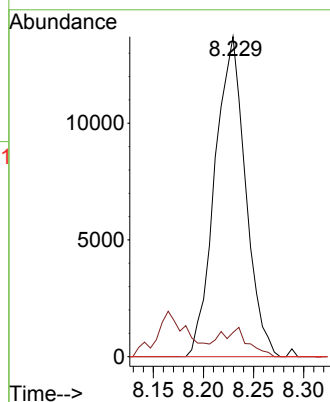
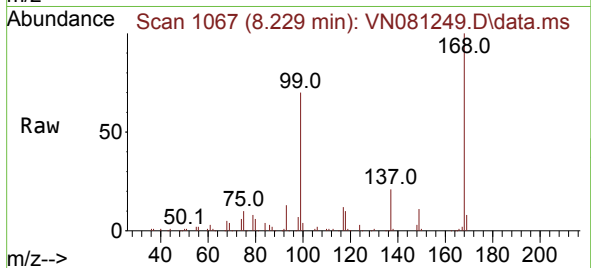
Tgt Ion: 75 Resp: 29204

Ion Ratio Lower Upper

75 100

110 8.2 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.294 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN081249.D

Acq: 28 Feb 2024 17:41

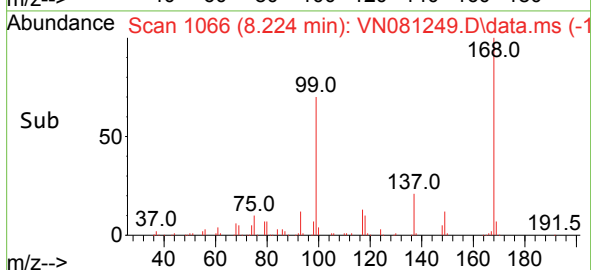
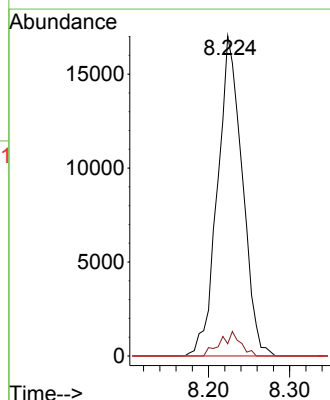
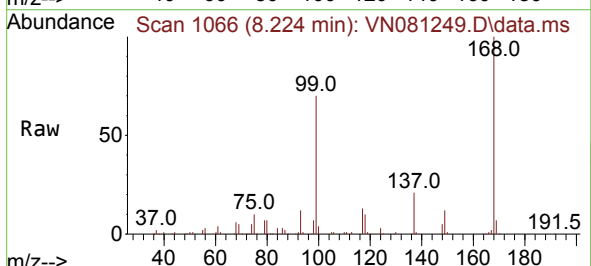
Tgt Ion: 117 Resp: 36101

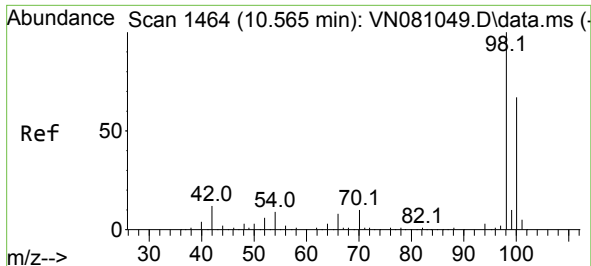
Ion Ratio Lower Upper

117 100

119 3.8 73.4 110.2#

121 0.0 24.4 36.6#

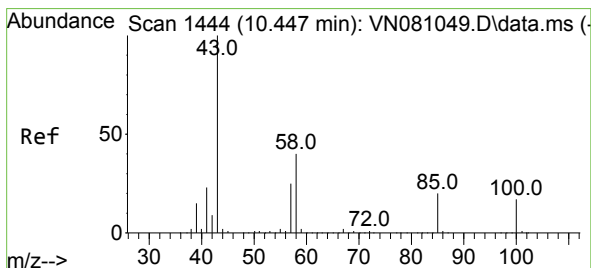
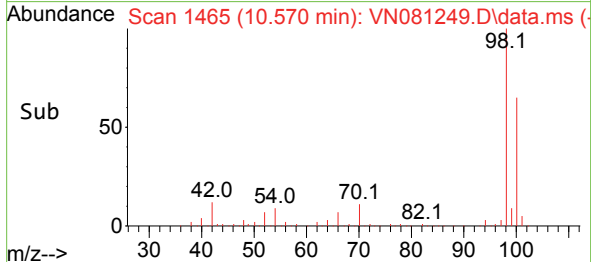
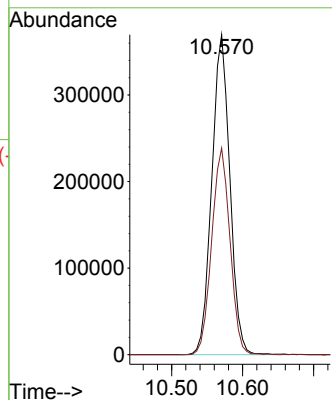
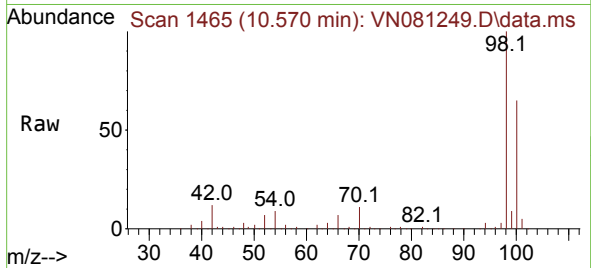




#50
Toluene-d8
Concen: 55.575 ug/l
RT: 10.570 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

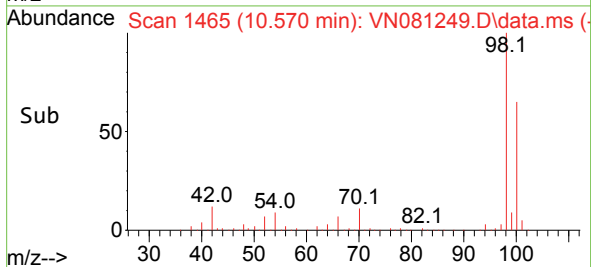
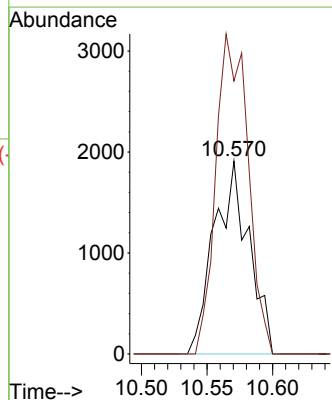
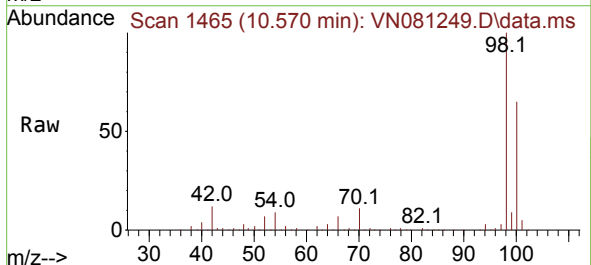
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

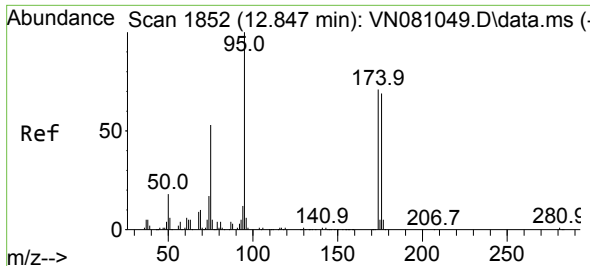
Tgt Ion: 98 Resp: 653159
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.684 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

Tgt Ion: 43 Resp: 3519
Ion Ratio Lower Upper
43 100
58 153.5 29.4 44.0#

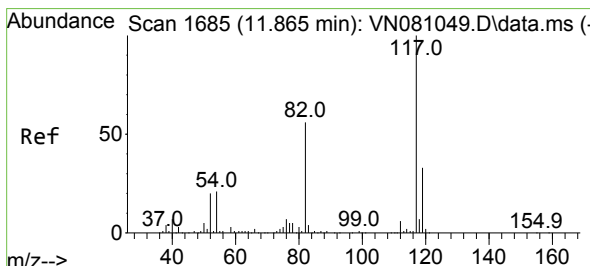
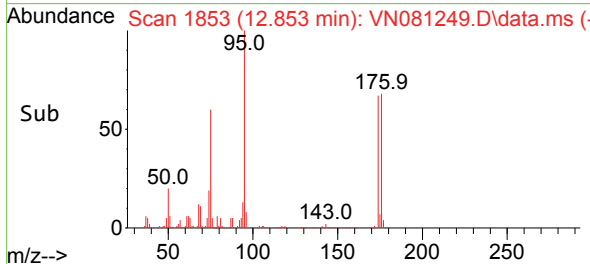
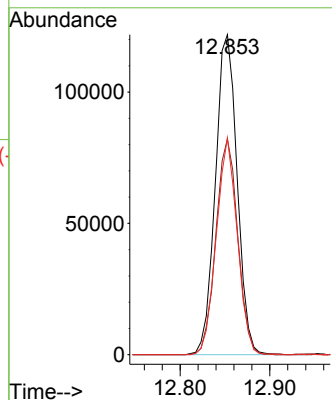
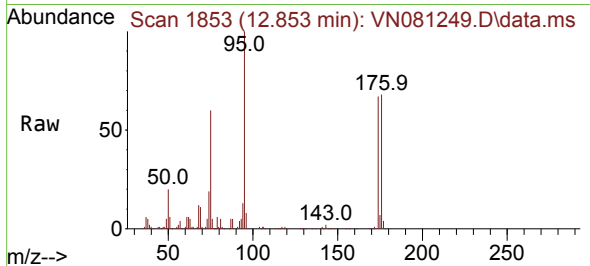




#62
4-Bromofluorobenzene
Concen: 46.385 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

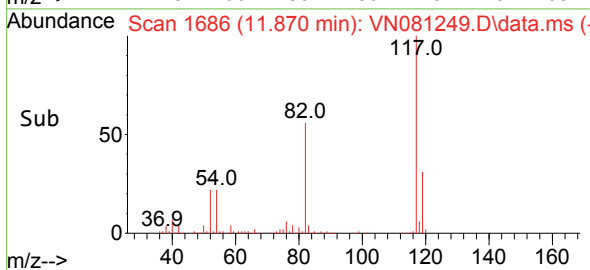
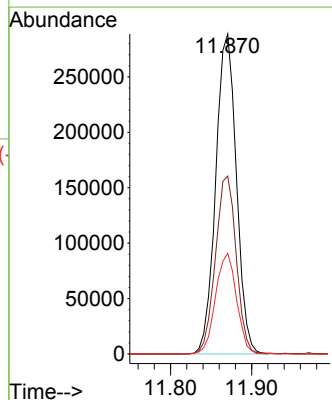
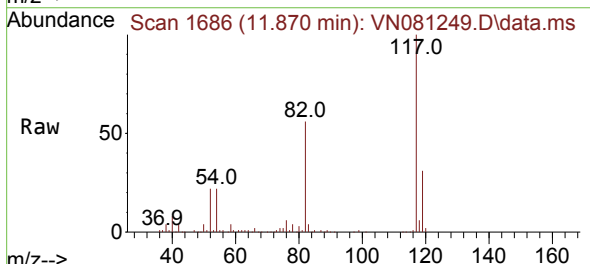
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

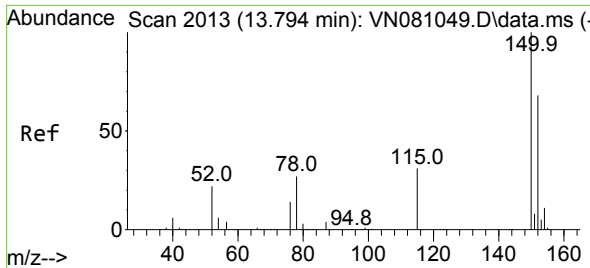
Tgt Ion: 95 Resp: 204842
Ion Ratio Lower Upper
95 100
174 67.9 0.0 120.4
176 65.2 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

Tgt Ion: 117 Resp: 511503
Ion Ratio Lower Upper
117 100
82 55.6 52.7 79.1
119 31.5 25.3 37.9

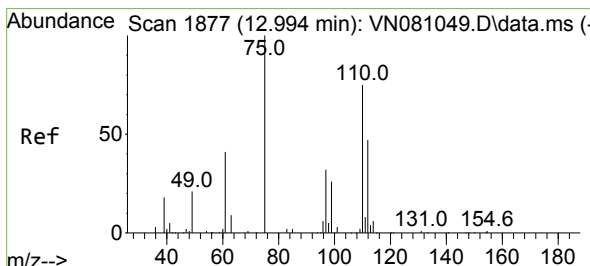
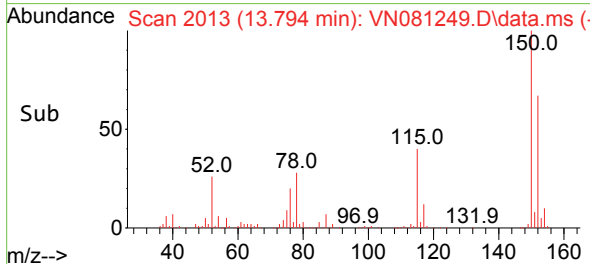
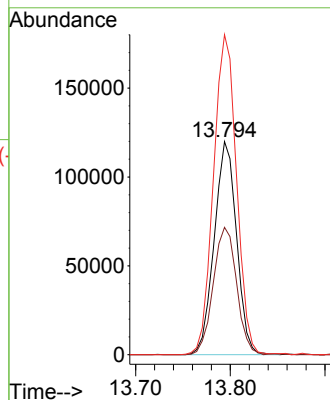
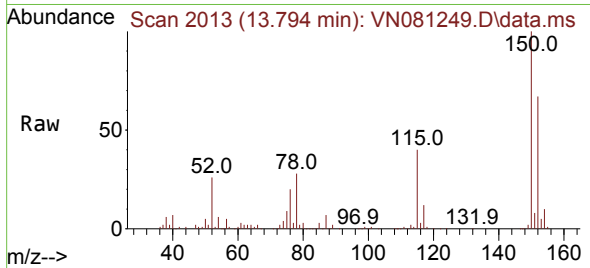




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

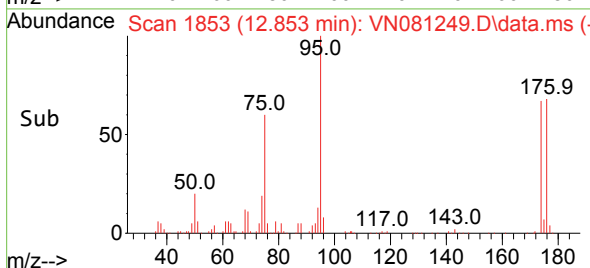
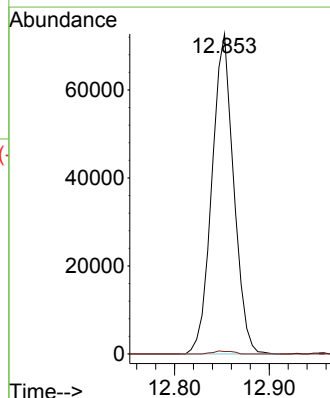
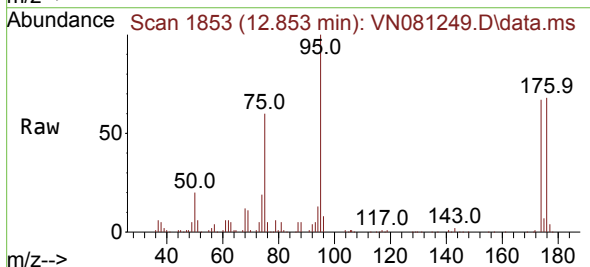
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

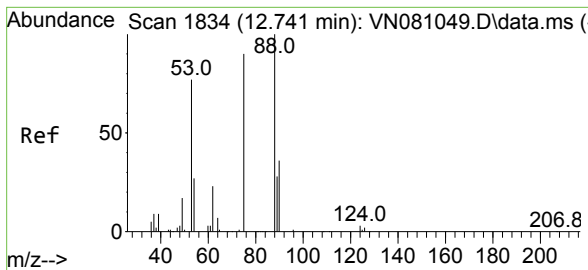
Tgt Ion:152 Resp: 196681
Ion Ratio Lower Upper
152 100
115 62.6 32.3 96.8
150 155.0 0.0 339.8



#76
1,2,3-Trichloropropane
Concen: 26.022 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081249.D
Acq: 28 Feb 2024 17:41

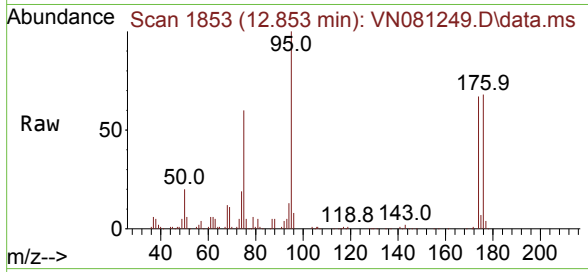
Tgt Ion: 75 Resp: 116285
Ion Ratio Lower Upper
75 100
77 0.8 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.978 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081249.D
 Acq: 28 Feb 2024 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-20240223



Tgt Ion: 75 Resp: 116285
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

