

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081250.D
 Acq On : 28 Feb 2024 18:05
 Operator : JC\MD
 Sample : P1590-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-20240223

Quant Time: Feb 28 23:30:00 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)

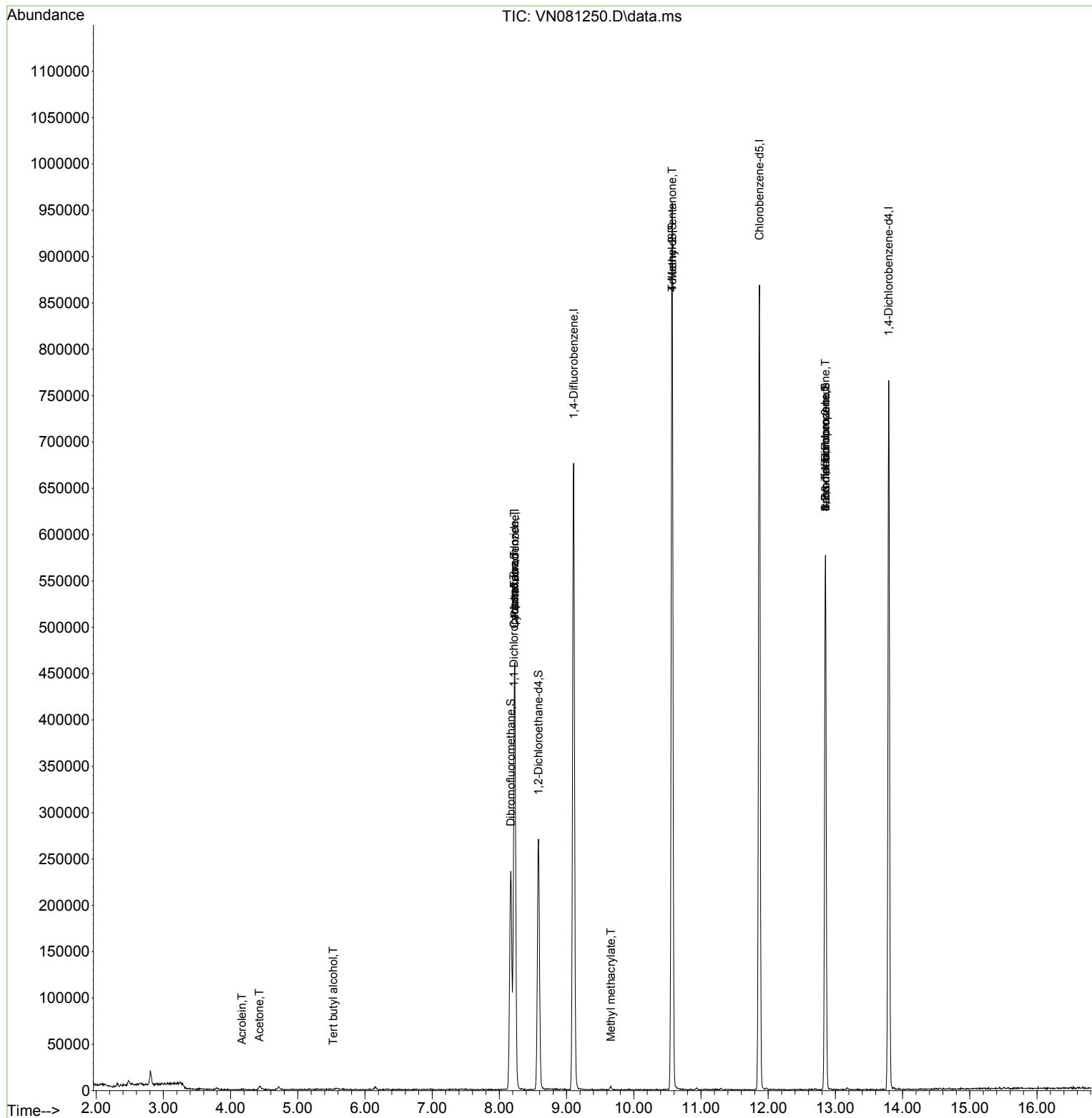
Internal Standards						
1) Pentafluorobenzene	8.230	168	307147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	582461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	494306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	190088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	216085	57.397	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.800%
35) Dibromofluoromethane	8.171	113	170231	51.685	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.360%
50) Toluene-d8	10.571	98	641059	54.800	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.600%
62) 4-Bromofluorobenzene	12.853	95	202164	45.992	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1171	Below Cal	#	79
6) Chloroethane	3.118	64	213	Below Cal	#	42
11) Tert butyl alcohol	5.530	59	142	0.205	ug/l #	72
13) Acrolein	4.171	56	87	0.234	ug/l #	1
16) Acetone	4.430	43	6835	4.614	ug/l	98
20) Methylene Chloride	5.277	84	301	Below Cal	#	61
31) Cyclohexane	8.224	56	8719	1.341	ug/l #	37
36) 1,1-Dichloropropene	8.218	75	28968	5.134	ug/l #	51
38) Carbon Tetrachloride	8.224	117	36900	6.464	ug/l #	18
48) Methyl methacrylate	9.659	41	989	0.239	ug/l #	31
51) 4-Methyl-2-Pentanone	10.571	43	2853	0.557	ug/l #	1
71) Bromoform	12.853	173	1727	0.708	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	108529	25.129	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	108529	64.679	ug/l #	14

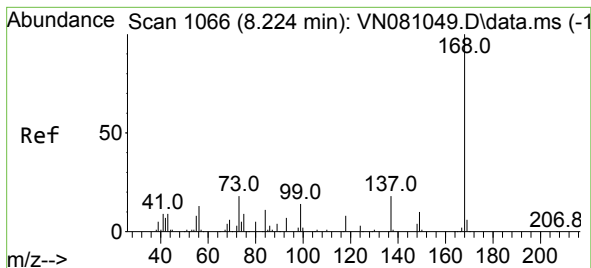
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081250.D

Acq: 28 Feb 2024 18:05

Instrument :

MSVOA_N

ClientSampleId :

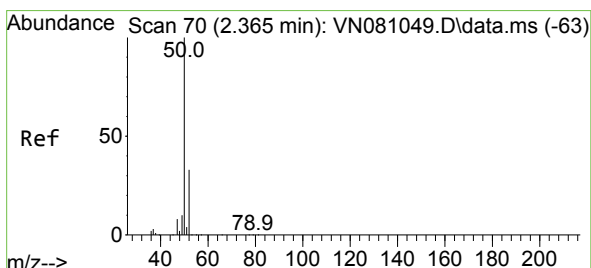
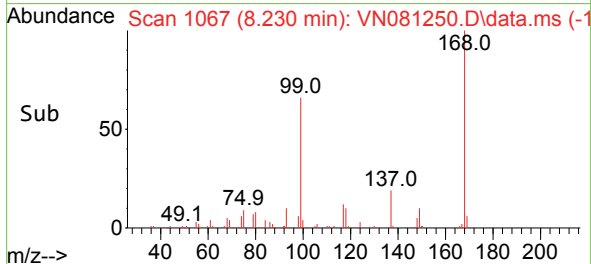
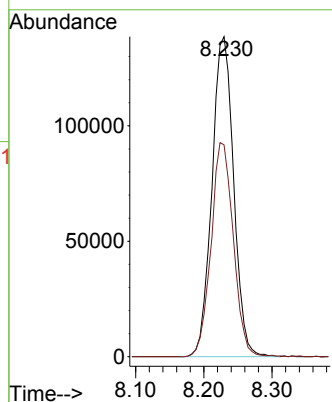
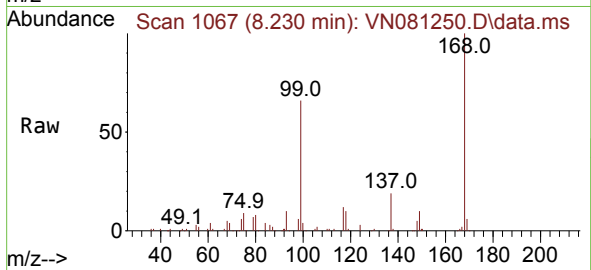
FB02-20240223

Tgt Ion:168 Resp: 307147

Ion Ratio Lower Upper

168 100

99 66.2 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081250.D

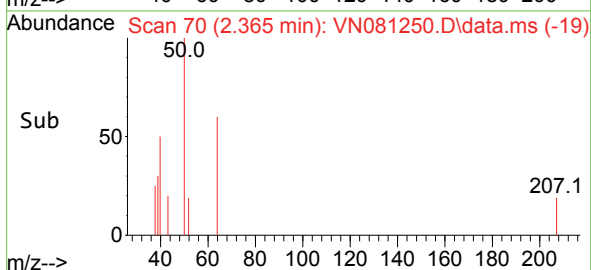
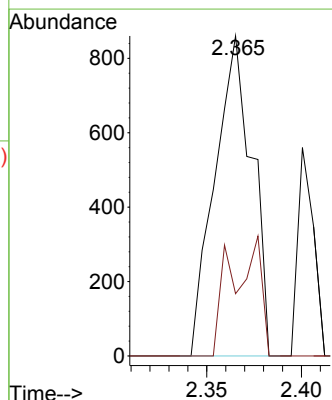
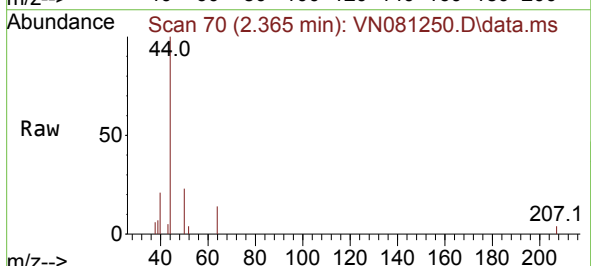
Acq: 28 Feb 2024 18:05

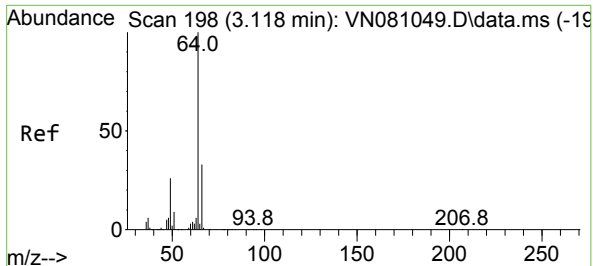
Tgt Ion: 50 Resp: 1171

Ion Ratio Lower Upper

50 100

52 19.4 25.0 37.4#

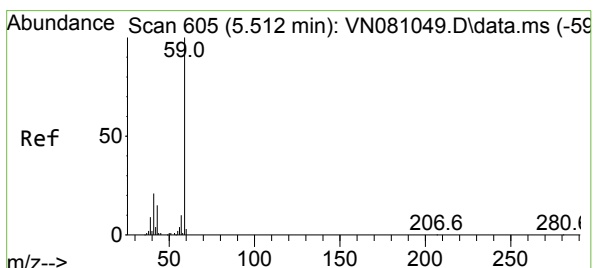
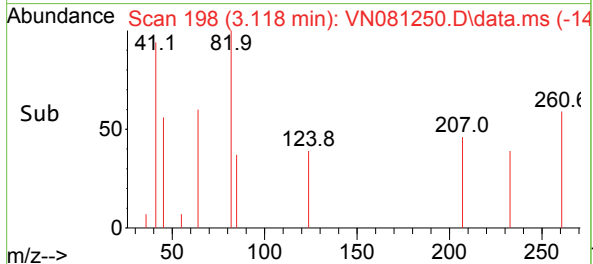
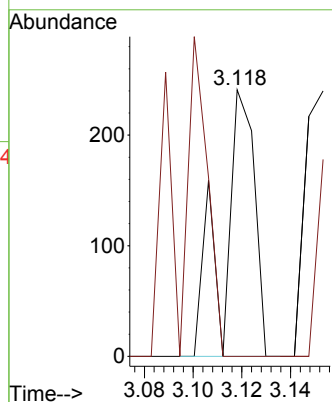
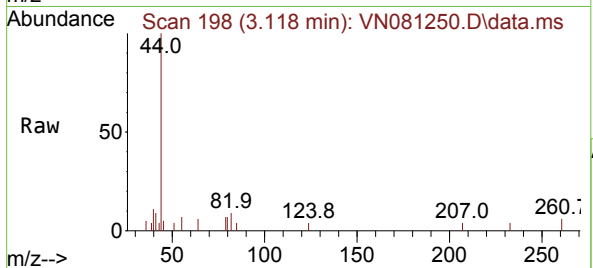




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

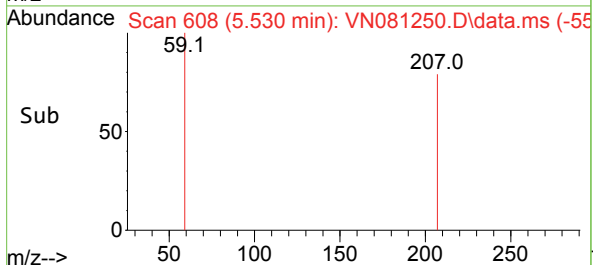
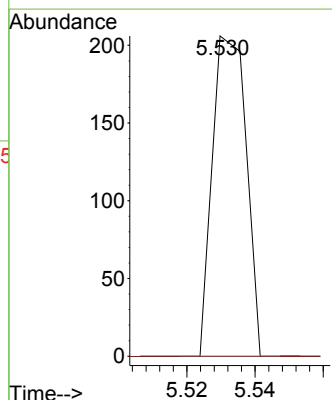
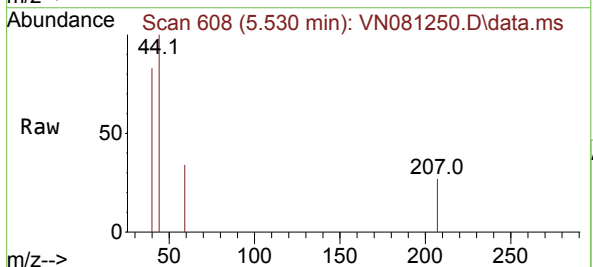
Instrument :
MSVOA_N
ClientSampleId :
FB02-20240223

Tgt Ion: 64 Resp: 213
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.205 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.018 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

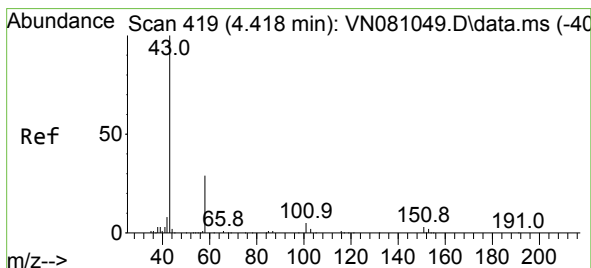
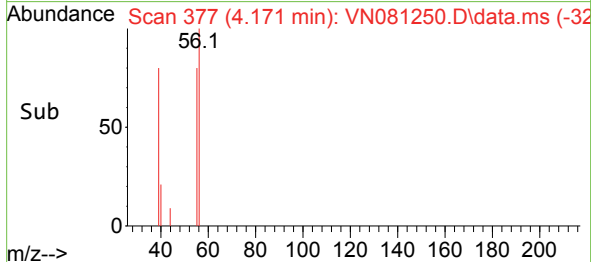
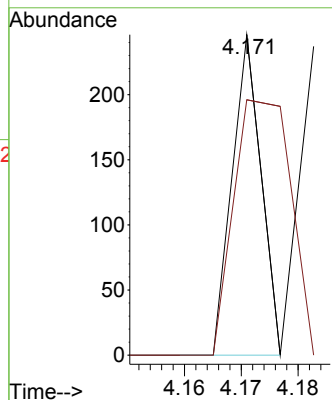
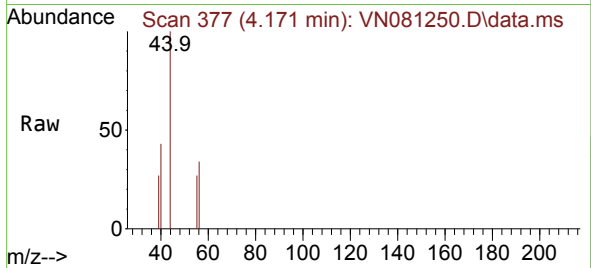




#13
Acrolein
Concen: 0.234 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

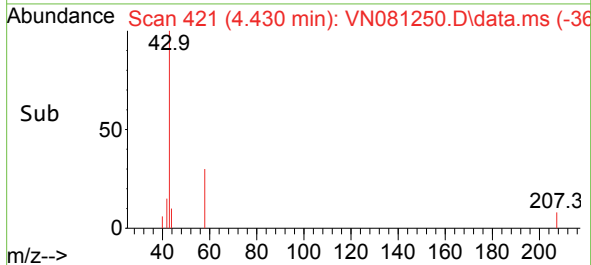
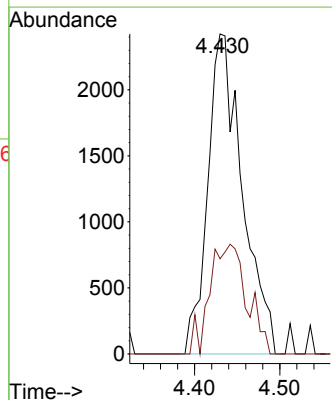
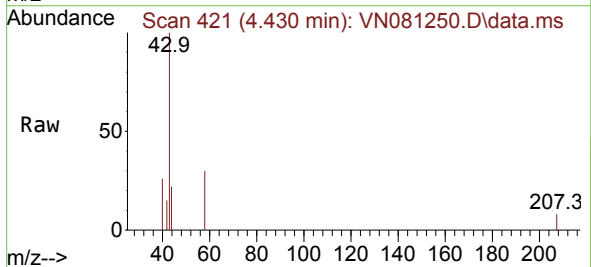
Instrument :
MSVOA_N
ClientSampleId :
FB02-20240223

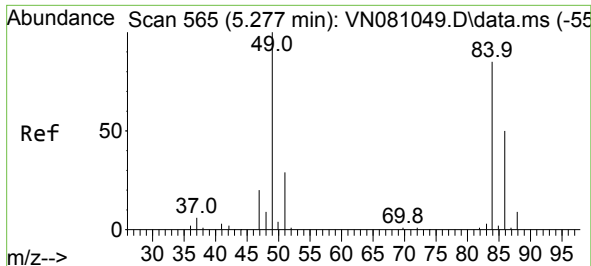
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 157.5 55.3 82.9#



#16
Acetone
Concen: 4.614 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

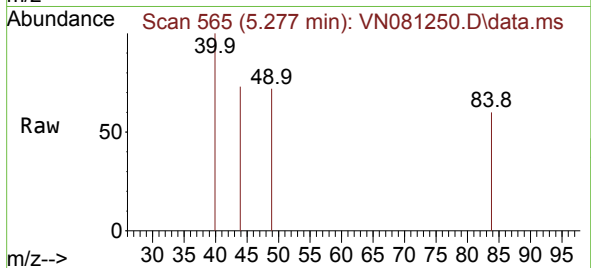
Tgt Ion: 43 Resp: 6835
Ion Ratio Lower Upper
43 100
58 29.8 24.8 37.2



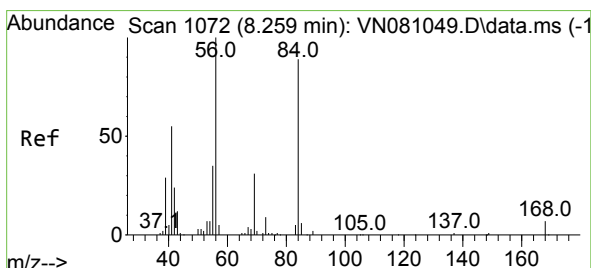
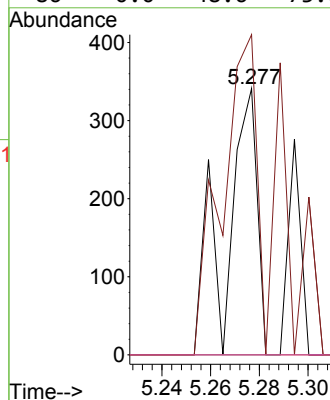
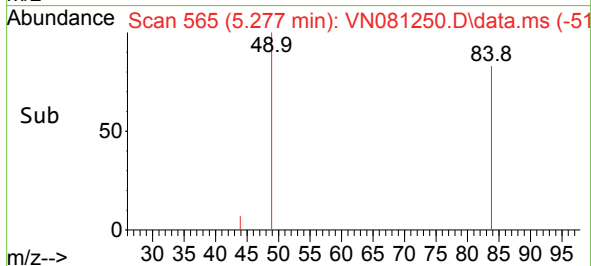


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

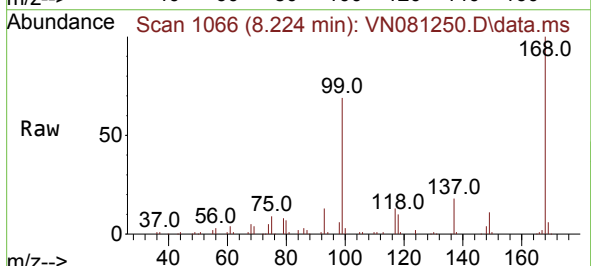
Instrument :
MSVOA_N
ClientSampleId :
FB02-20240223



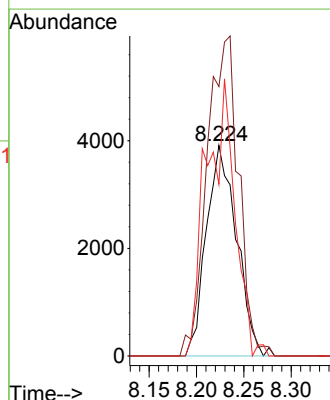
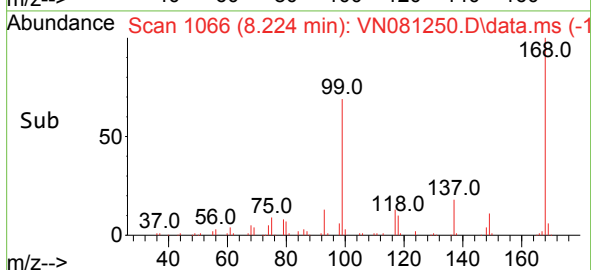
Tgt Ion: 84 Resp: 301
Ion Ratio Lower Upper
84 100
49 120.2 108.1 162.1
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#

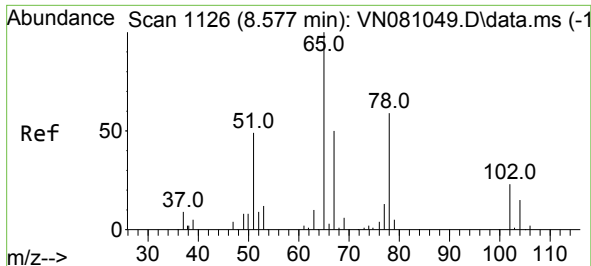


#31
Cyclohexane
Concen: 1.341 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05



Tgt Ion: 56 Resp: 8719
Ion Ratio Lower Upper
56 100
69 128.0 20.1 30.1#
84 81.5 56.9 85.3

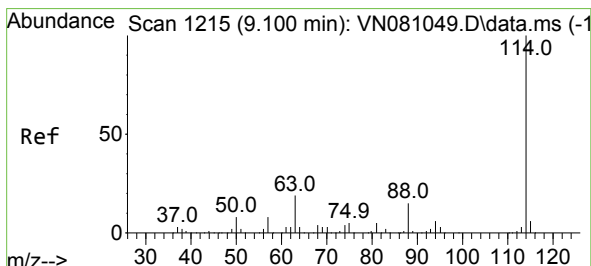
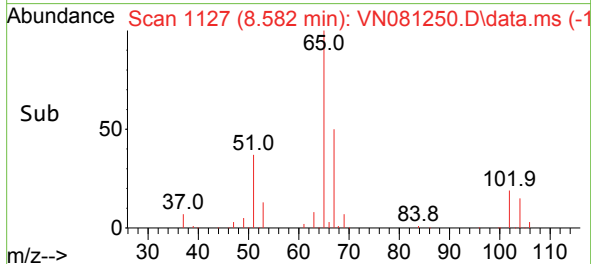
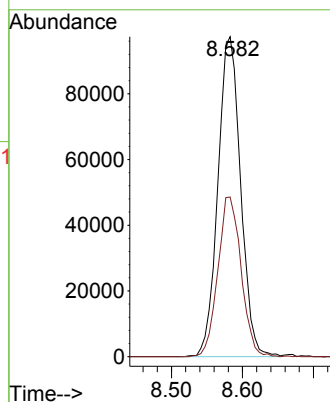
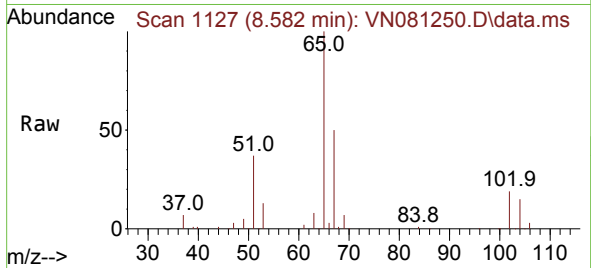




#33
1,2-Dichloroethane-d4
Concen: 57.397 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

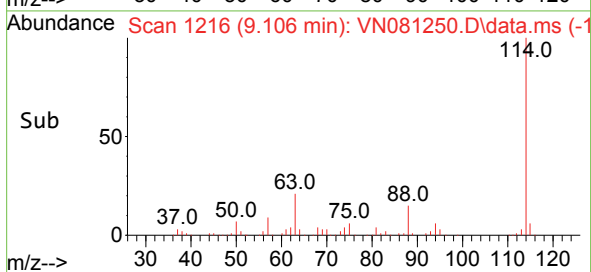
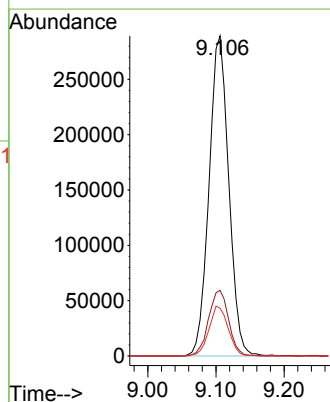
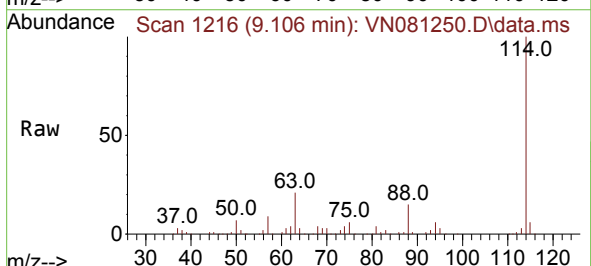
Instrument :
MSVOA_N
ClientSampleId :
FB02-20240223

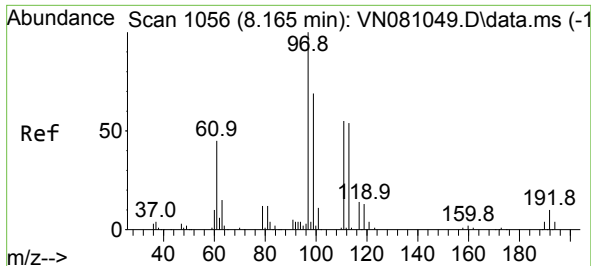
Tgt Ion: 65 Resp: 216085
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

Tgt Ion: 114 Resp: 582461
Ion Ratio Lower Upper
114 100
63 20.5 0.0 48.0
88 14.9 0.0 34.8

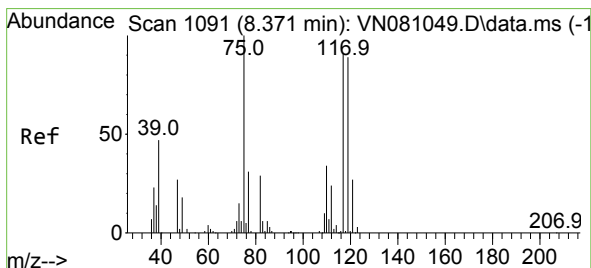
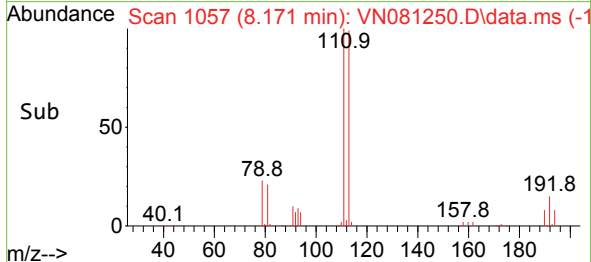
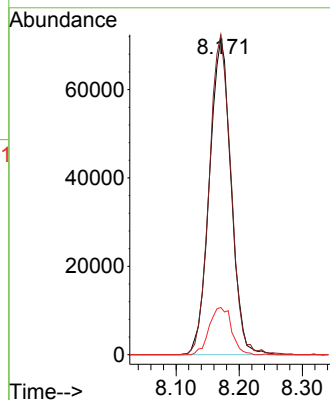
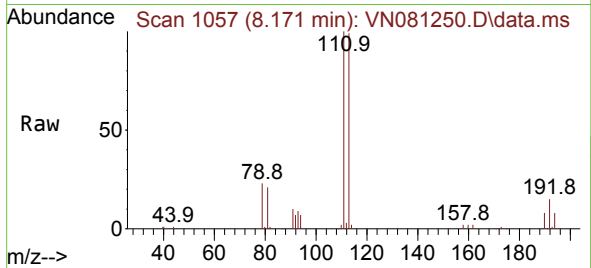




#35
Dibromofluoromethane
Concen: 51.685 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

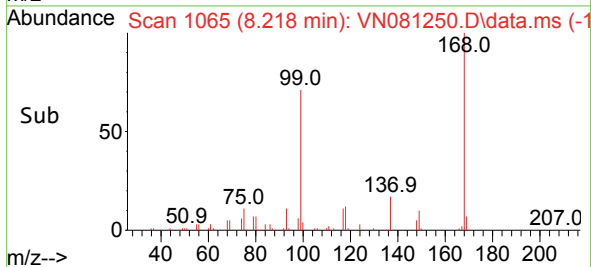
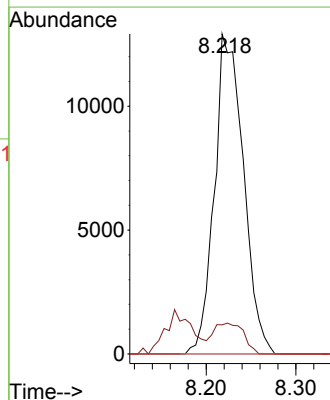
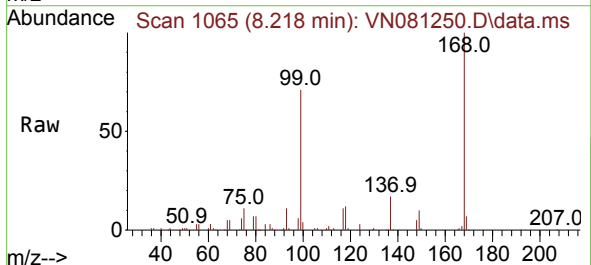
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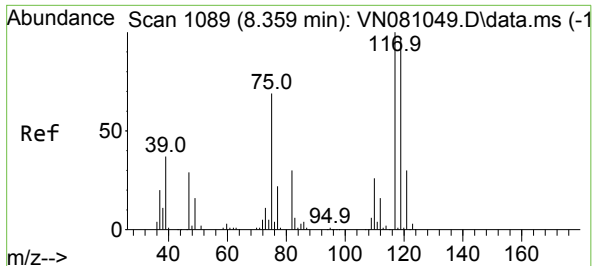
Tgt Ion:113 Resp: 170231
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 15.4 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.134 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

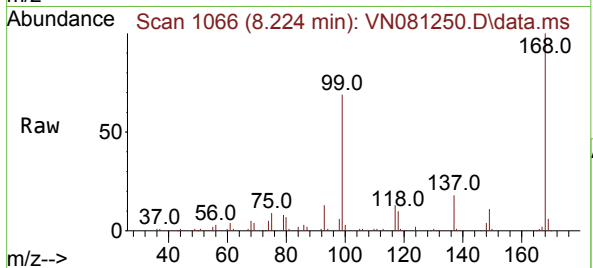
Tgt Ion: 75 Resp: 28968
Ion Ratio Lower Upper
75 100
110 10.0 16.0 48.0#
77 0.0 25.8 38.6#



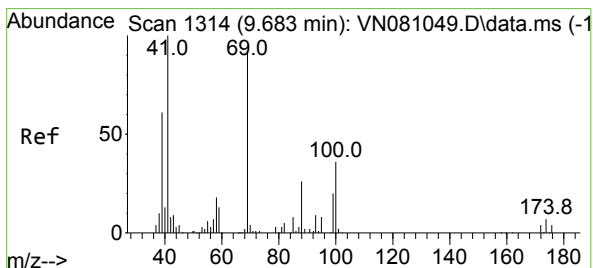
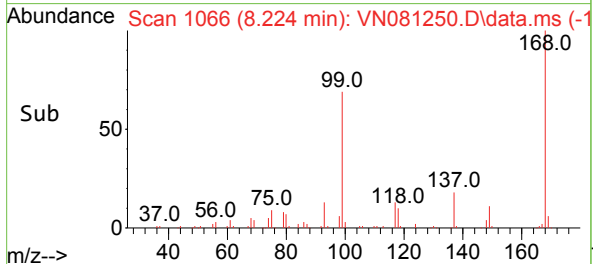
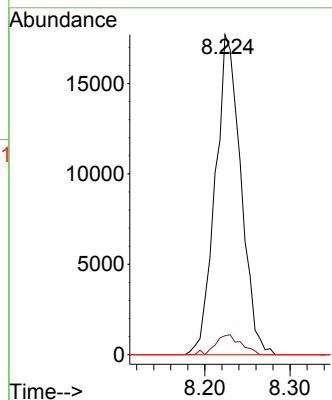


#38
Carbon Tetrachloride
Concen: 6.464 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
FB02-20240223

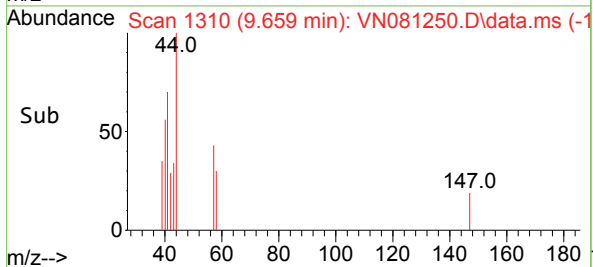
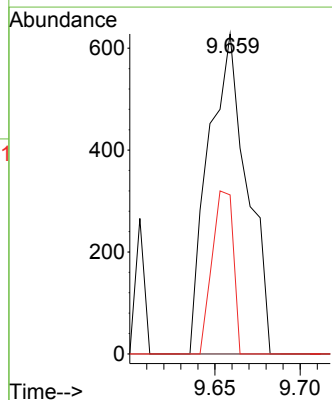
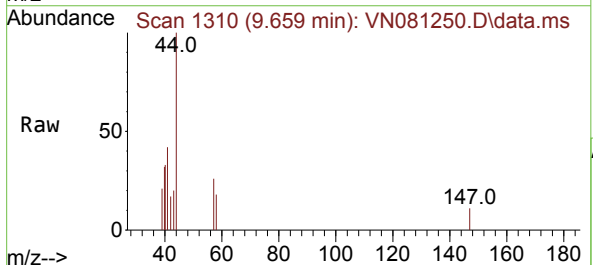


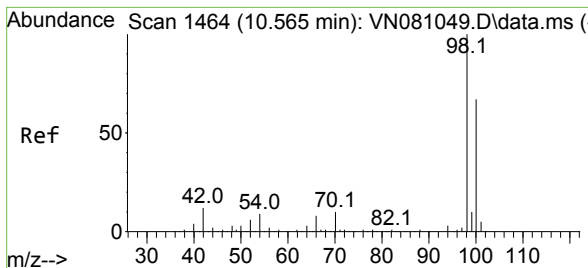
Tgt Ion:117 Resp: 36900
Ion Ratio Lower Upper
117 100
119 5.9 73.4 110.2#
121 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 0.239 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.024 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

Tgt Ion: 41 Resp: 989
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 28.0 47.6 71.4#





#50

Toluene-d8

Concen: 54.800 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081250.D

Acq: 28 Feb 2024 18:05

Instrument :

MSVOA_N

ClientSampleId :

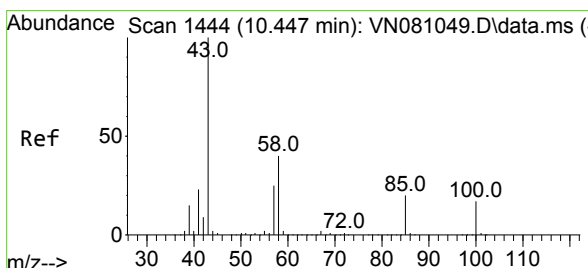
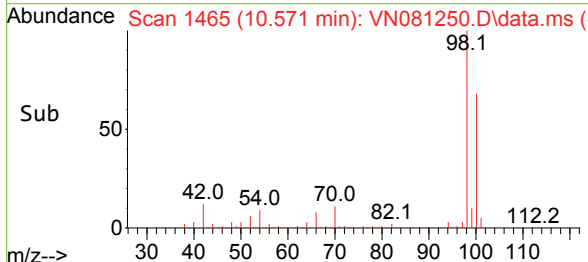
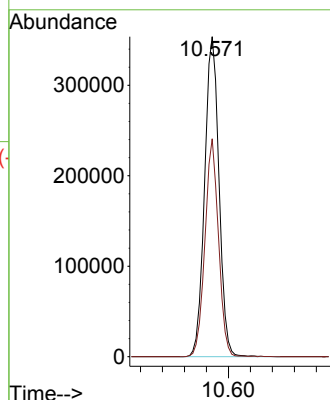
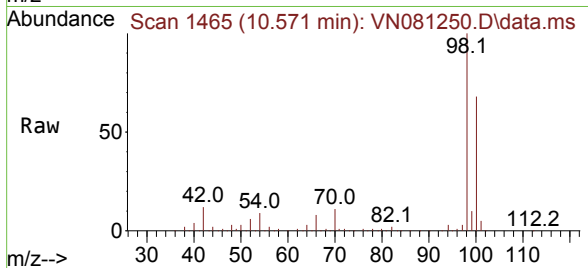
FB02-20240223

Tgt Ion: 98 Resp: 641059

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.557 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.123 min

Lab File: VN081250.D

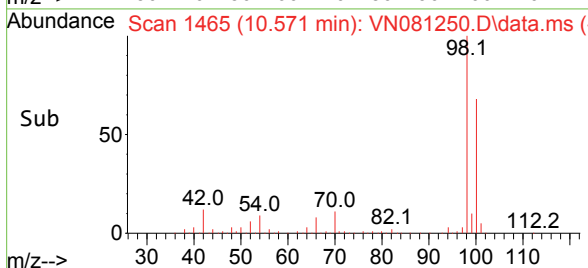
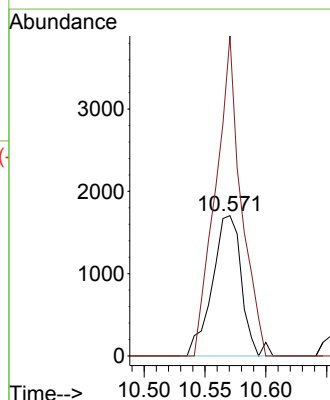
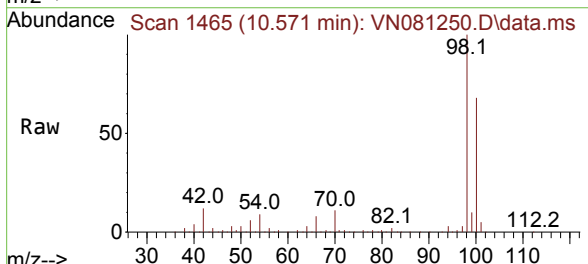
Acq: 28 Feb 2024 18:05

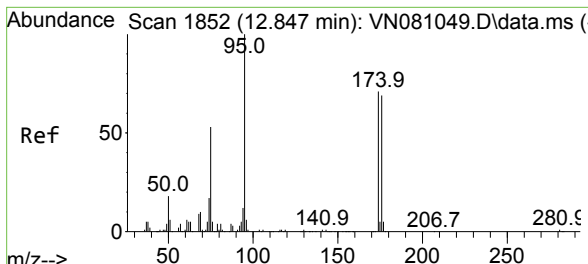
Tgt Ion: 43 Resp: 2853

Ion Ratio Lower Upper

43 100

58 198.7 29.4 44.0#

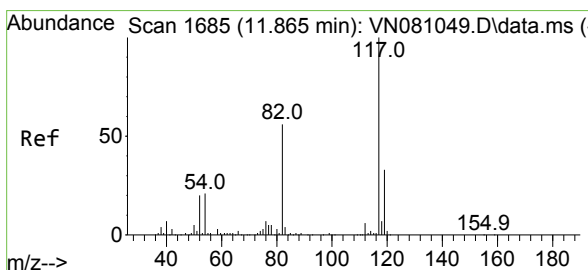
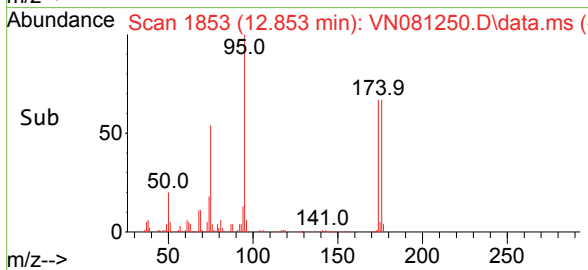
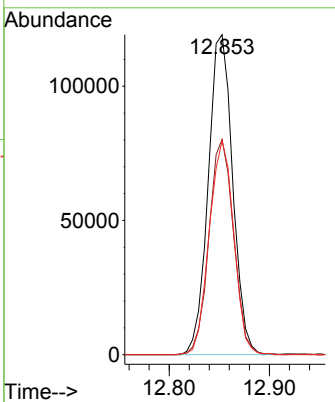
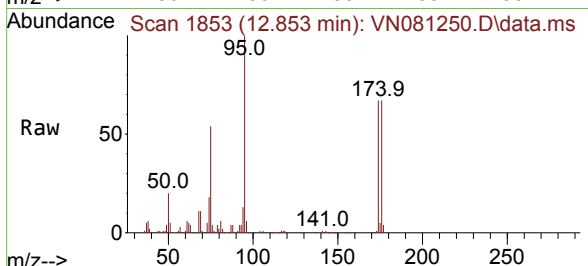




#62
 4-Bromofluorobenzene
 Concen: 45.992 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081250.D
 Acq: 28 Feb 2024 18:05

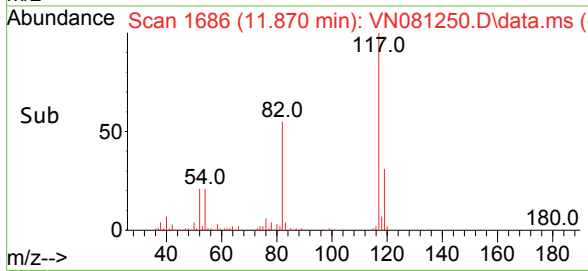
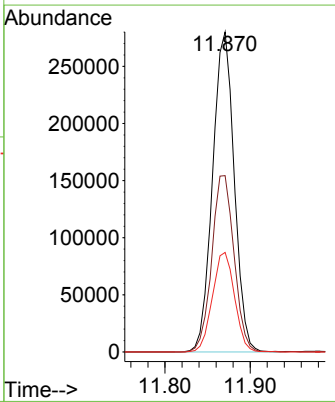
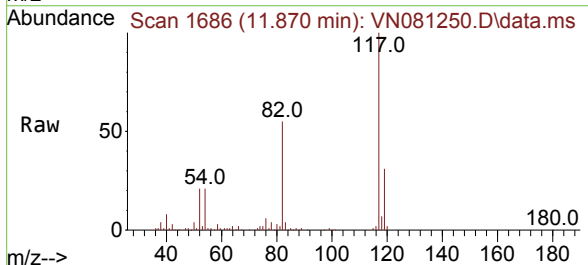
Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-20240223

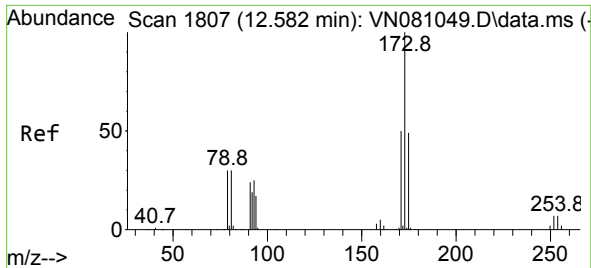
Tgt Ion:	95	Resp:	202164
Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	120.4
176	67.0	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081250.D
 Acq: 28 Feb 2024 18:05

Tgt Ion:	117	Resp:	494306
Ion	Ratio	Lower	Upper
117	100		
82	55.1	52.7	79.1
119	31.1	25.3	37.9

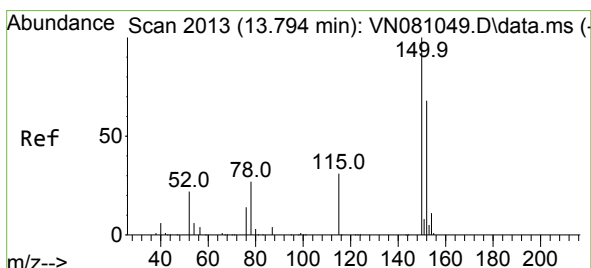
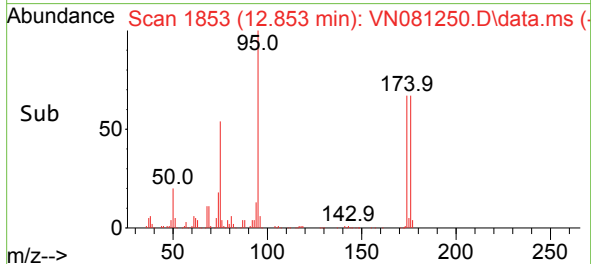
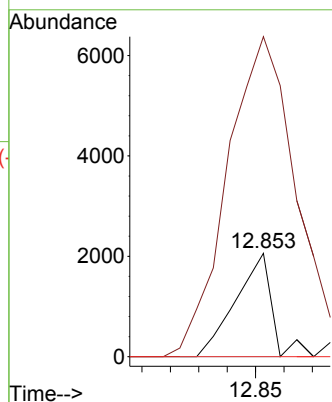
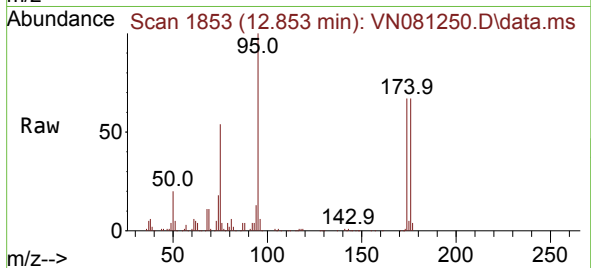




#71
Bromoform
Concen: 0.708 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.270 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

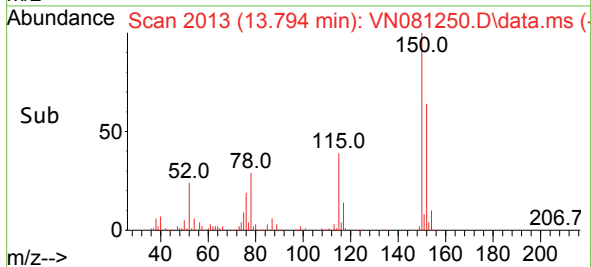
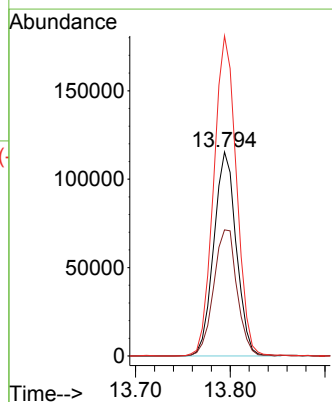
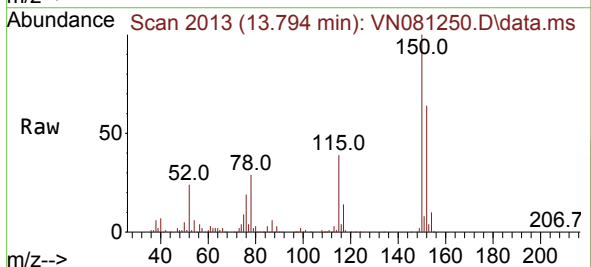
Instrument :
MSVOA_N
ClientSampleId :
FB02-20240223

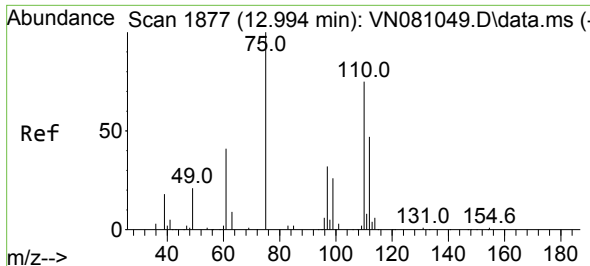
Tgt Ion:173 Resp: 1727
Ion Ratio Lower Upper
173 100
175 497.5 23.1 69.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

Tgt Ion:152 Resp: 190088
Ion Ratio Lower Upper
152 100
115 64.6 32.3 96.8
150 159.2 0.0 339.8

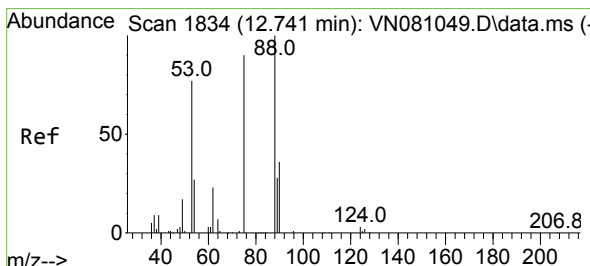
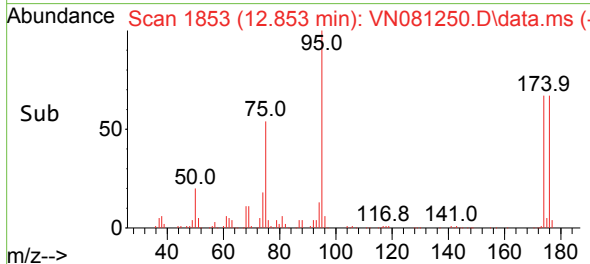
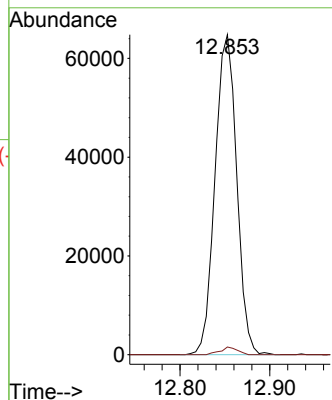
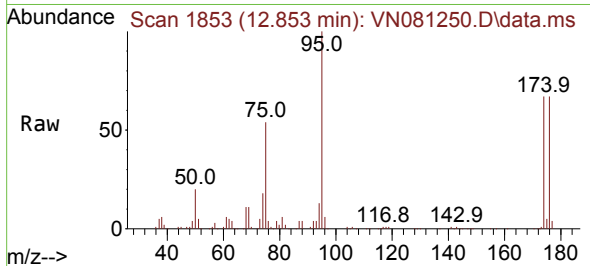




#76
1,2,3-Trichloropropane
Concen: 25.129 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
FB02-20240223

Tgt Ion: 75 Resp: 108529
Ion Ratio Lower Upper
75 100
77 1.9 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.679 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081250.D
Acq: 28 Feb 2024 18:05

Tgt Ion: 75 Resp: 108529
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

