

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081813.D
 Acq On : 19 Apr 2024 16:52
 Operator : JC\MD
 Sample : P2211-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 23:45:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

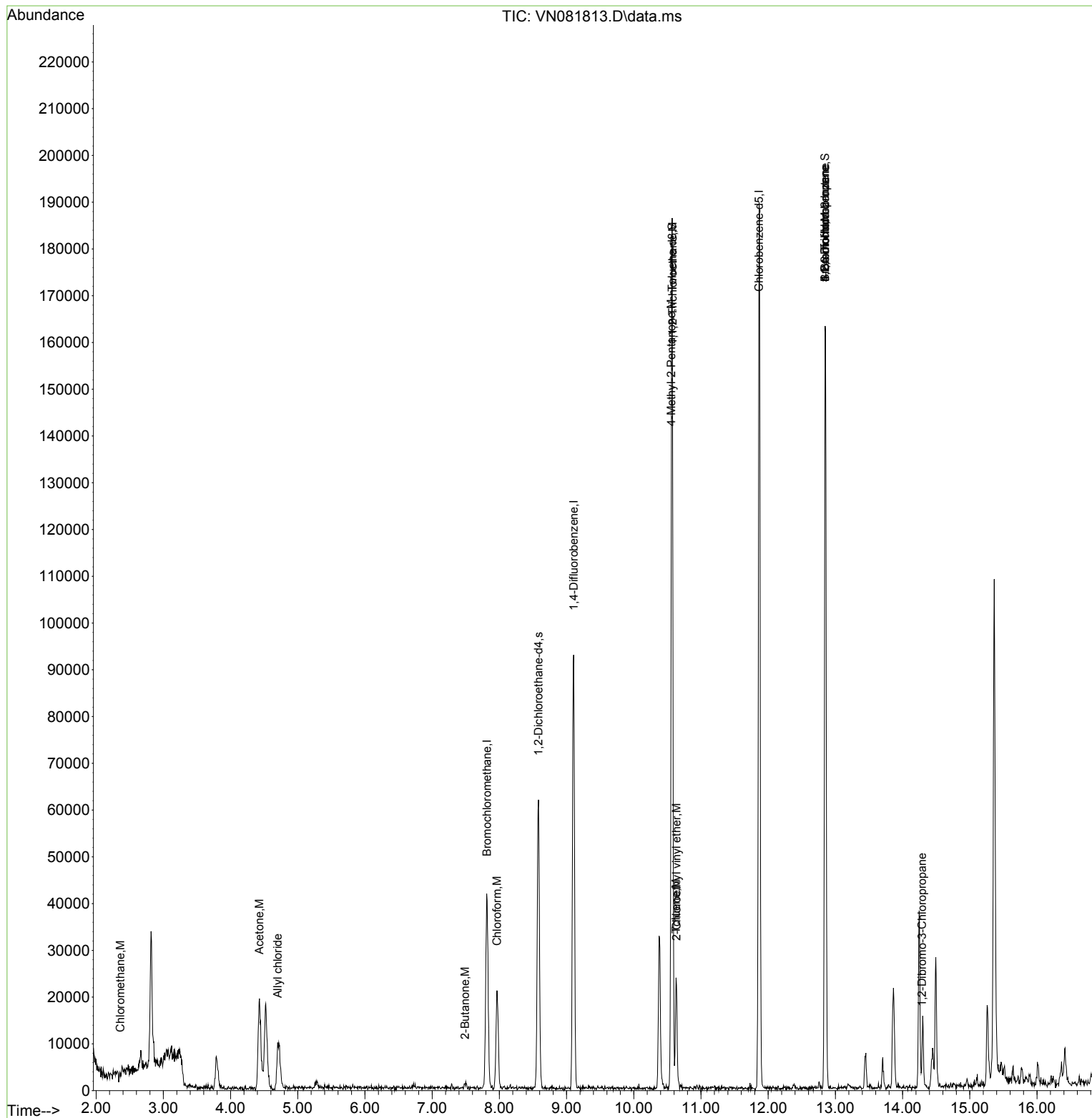
Internal Standards						
1) Bromochloromethane	7.818	128	13857	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	80890	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	107471	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	51633	30.331	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.100%
60) 4-Bromofluorobenzene	12.847	95	55635	26.331	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.767%
63) Toluene-d8	10.571	98	126972	29.454	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.167%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	379	0.226	ug/l #	43
15) Acetone	4.430	58	8333	46.453	ug/l	73
17) Allyl chloride	4.700	41	573	0.265	ug/l	75
25) Chloroform	7.965	83	19571	5.020	ug/l	91
30) 2-Butanone	7.488	43	1030	1.268	ug/l #	52
50) 1,1,2-Trichloroethane	10.576	97	4063	2.383	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.635	63	1297	1.113	ug/l #	71
56) Bromoform	12.847	173	689	0.529	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	689	0.373	ug/l #	79
62) Toluene	10.629	91	17069	2.183	ug/l	97
72) 1,2,3-Trichloropropane	12.847	75	30239	15.505	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30239	37.439	ug/l #	12
88) 1,2-Dibromo-3-Chloropr...	14.288	75	523	1.139	ug/l #	4

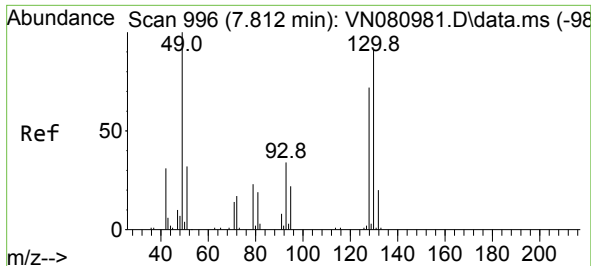
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
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ALS Vial : 14 Sample Multiplier: 1

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MSVOA_N
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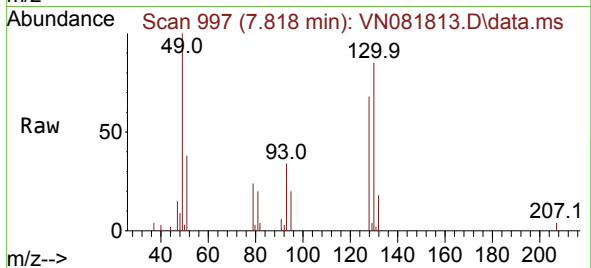
Quant Time: Apr 19 23:45:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



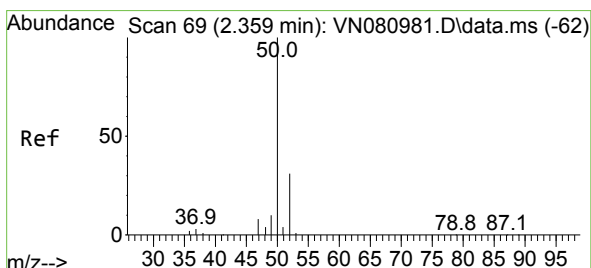
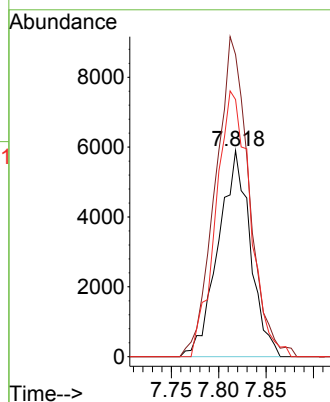
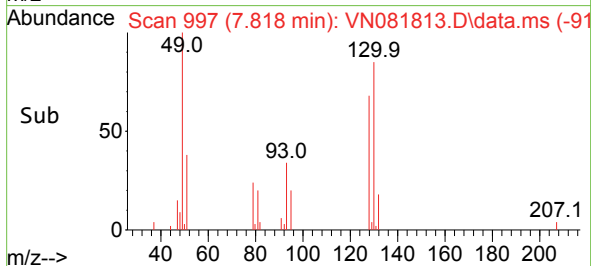


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

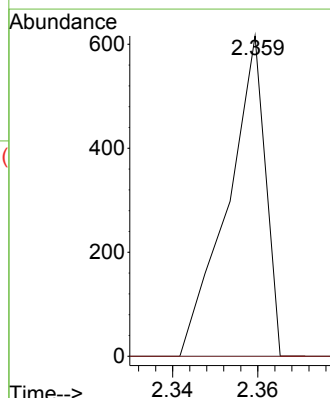
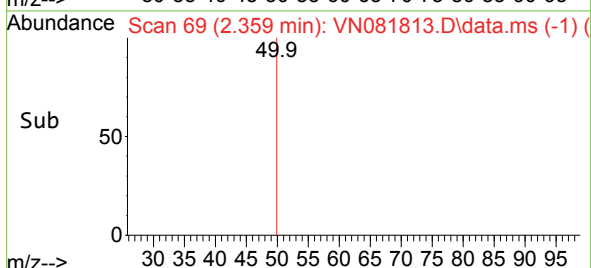
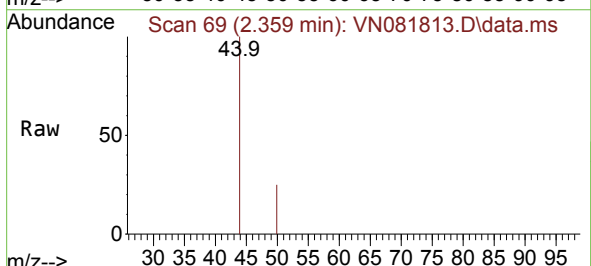


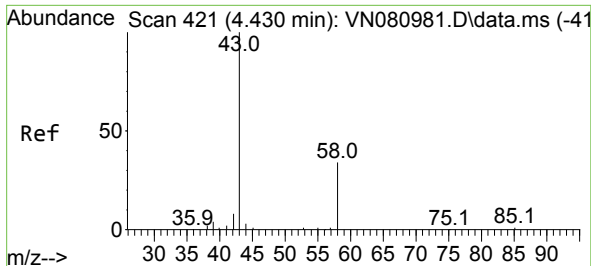
Tgt Ion:128 Resp: 13857
Ion Ratio Lower Upper
128 100
49 161.7 0.0 403.7
130 139.0 0.0 323.3



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

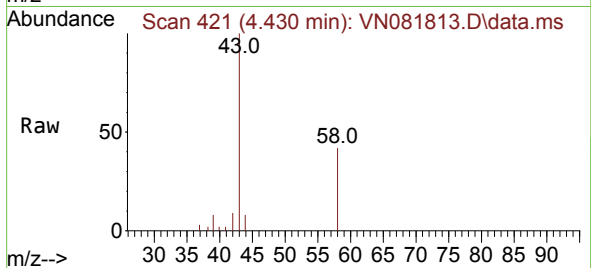
Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#



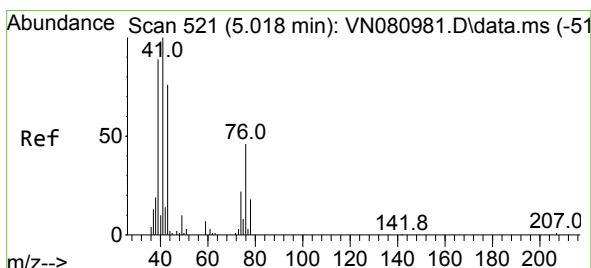
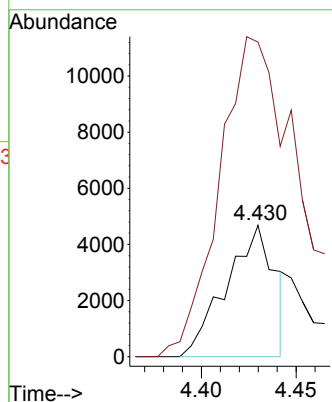
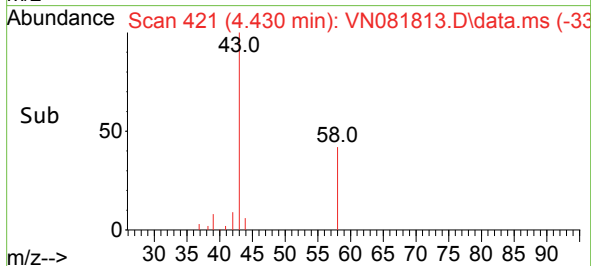


#15
Acetone
Concen: 46.453 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

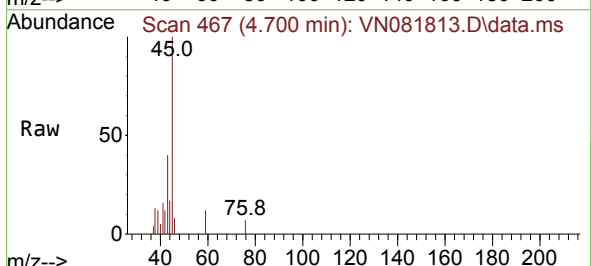
Instrument :
MSVOA_N
ClientSampleId :



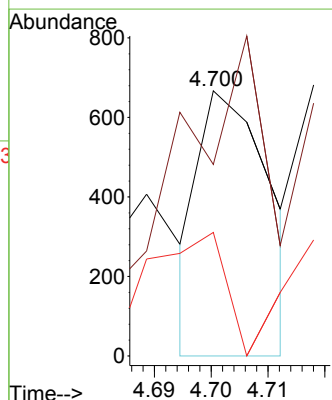
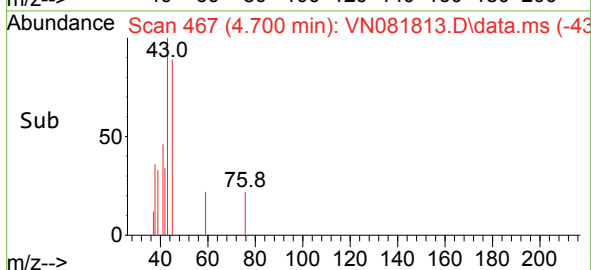
Tgt Ion: 58 Resp: 8333
Ion Ratio Lower Upper
58 100
43 228.1 223.1 334.7

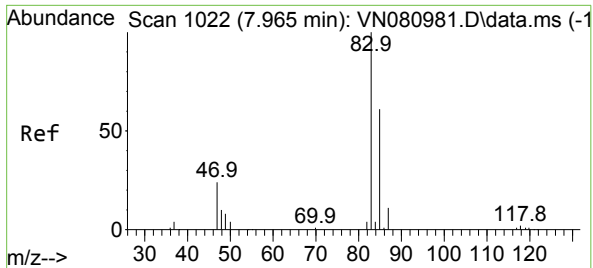


#17
Allyl chloride
Concen: 0.265 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.324 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52



Tgt Ion: 41 Resp: 573
Ion Ratio Lower Upper
41 100
39 52.8 37.6 112.9
76 39.1 27.8 83.4

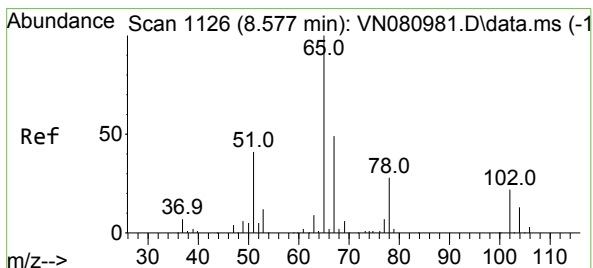
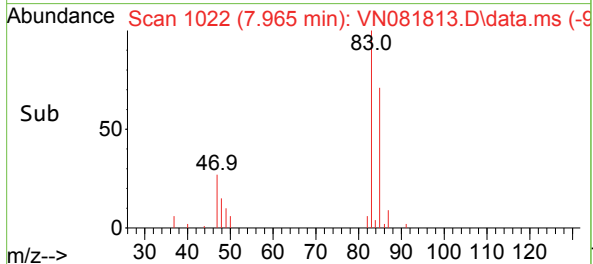
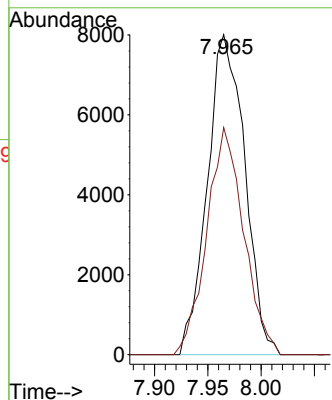
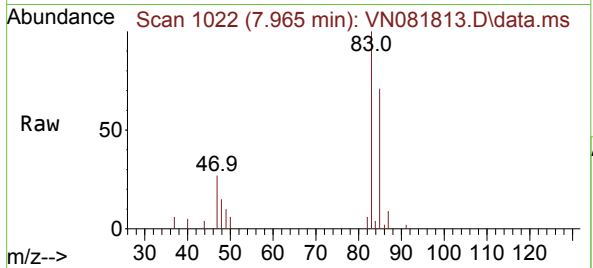




#25
Chloroform
Concen: 5.020 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

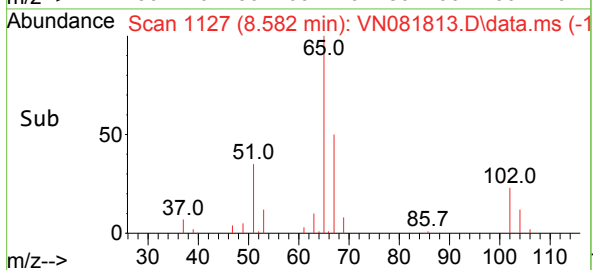
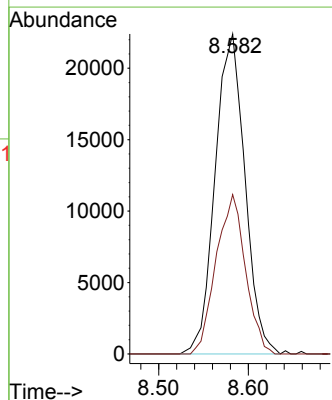
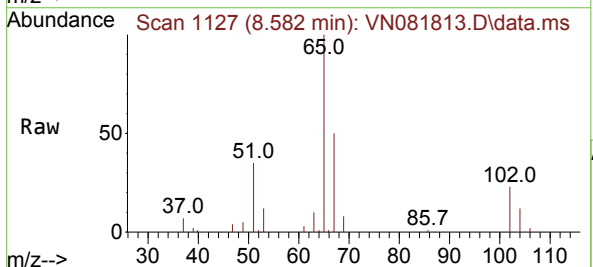
Instrument :
MSVOA_N
ClientSampleId :

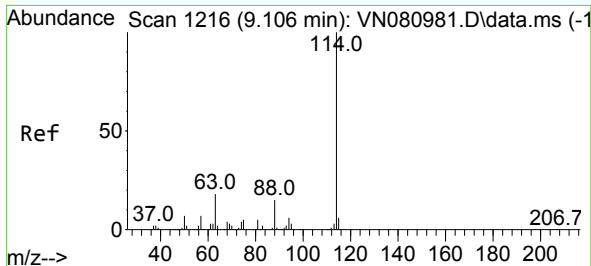
Tgt Ion: 83 Resp: 19571
Ion Ratio Lower Upper
83 100
85 71.0 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 30.331 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

Tgt Ion: 65 Resp: 51633
Ion Ratio Lower Upper
65 100
67 49.1 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

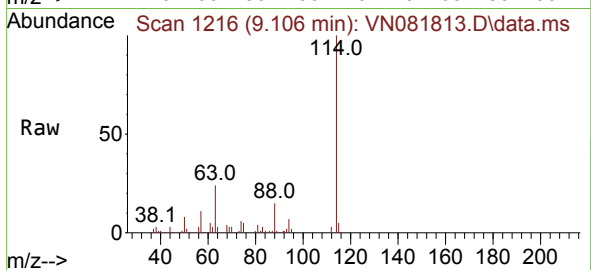
Lab File: VN081813.D

Acq: 19 Apr 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :



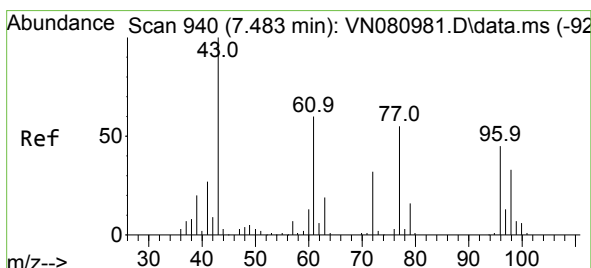
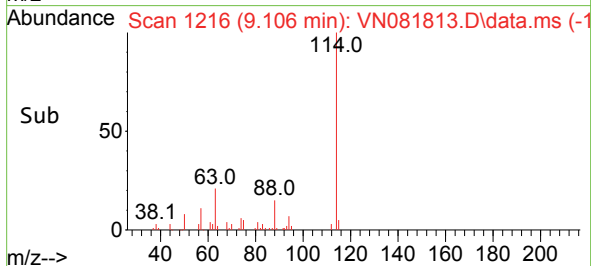
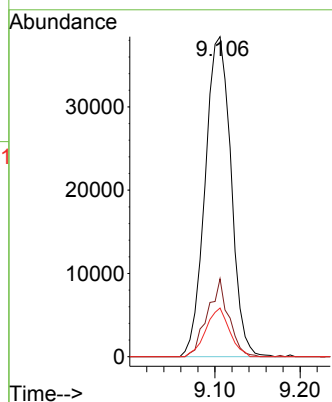
Tgt Ion:114 Resp: 80890

Ion Ratio Lower Upper

114 100

63 20.0 15.9 23.9

88 14.0 12.7 19.1



#30

2-Butanone

Concen: 1.268 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN081813.D

Acq: 19 Apr 2024 16:52

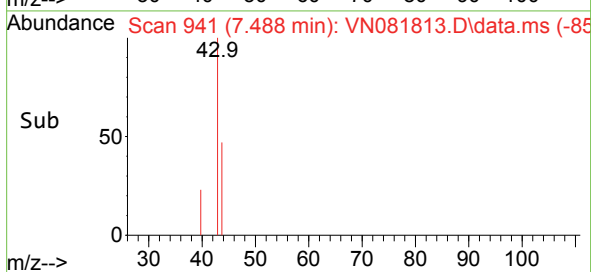
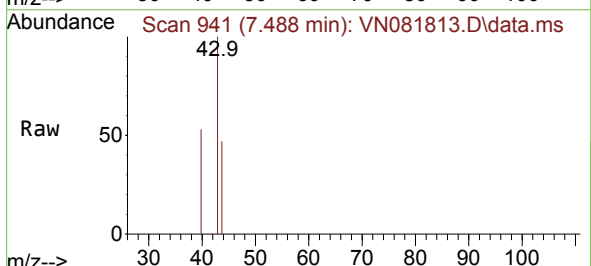
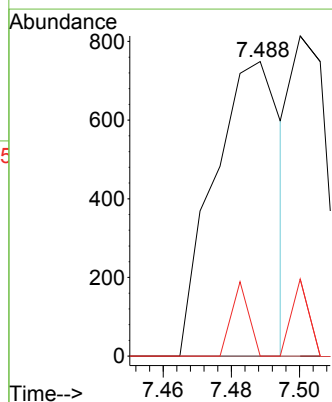
Tgt Ion: 43 Resp: 1030

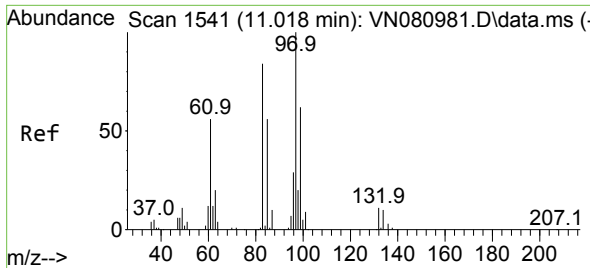
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

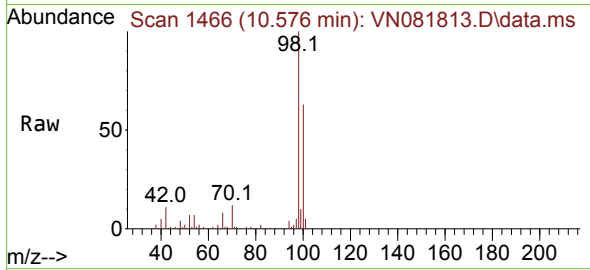
72 0.0 24.0 36.0#



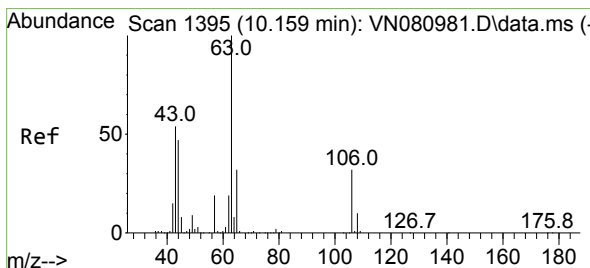
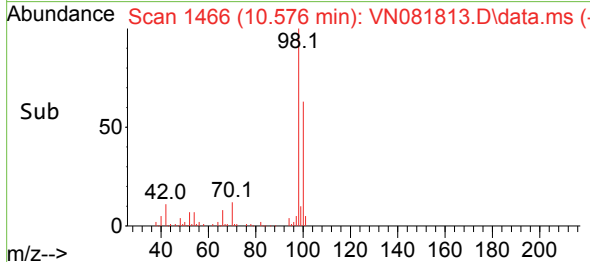
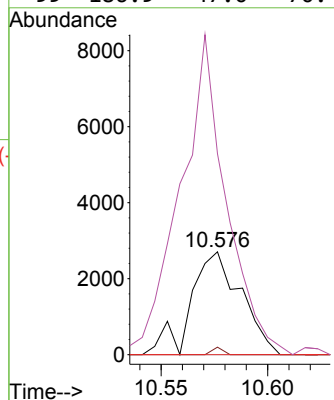


#50
1,1,2-Trichloroethane
Concen: 2.383 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

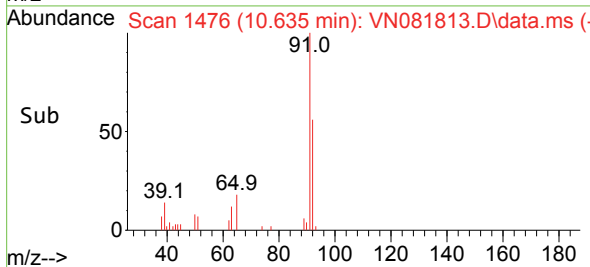
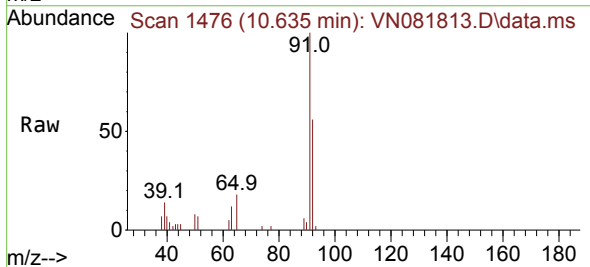
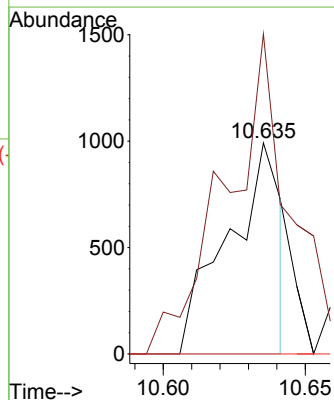


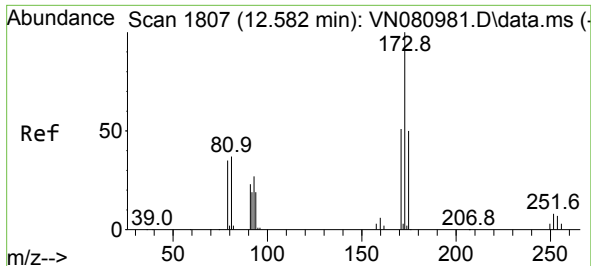
Tgt Ion:	97	Resp:	4063
Ion	Ratio	Lower	Upper
97	100		
83	7.2	68.1	102.1#
85	0.0	41.8	62.6#
99	186.9	47.0	70.4#



#55
2-Chloroethyl vinyl ether
Concen: 1.113 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.471 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

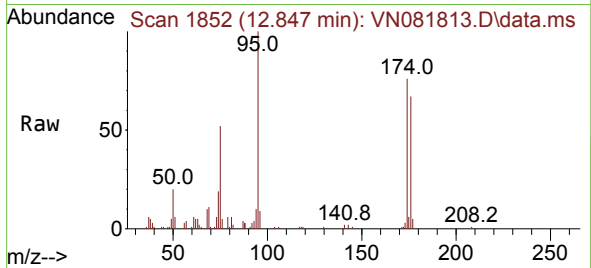
Tgt Ion:	63	Resp:	1297
Ion	Ratio	Lower	Upper
63	100		
65	29.8	26.2	39.2
106	0.0	23.8	35.8#



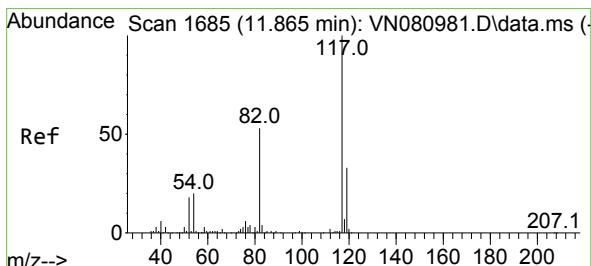
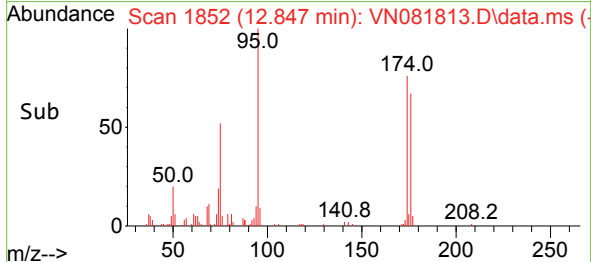
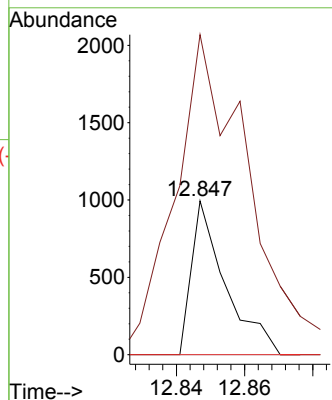


#56
Bromoform
Concen: 0.529 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

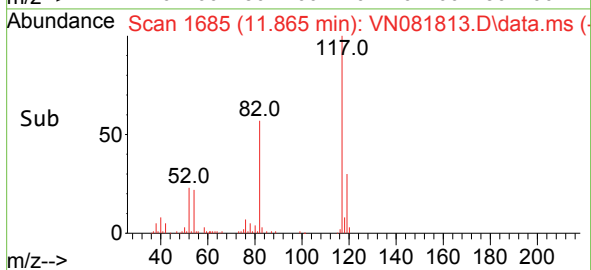
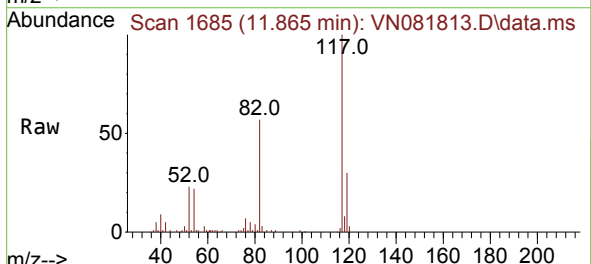
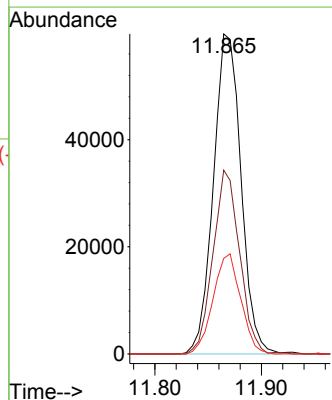


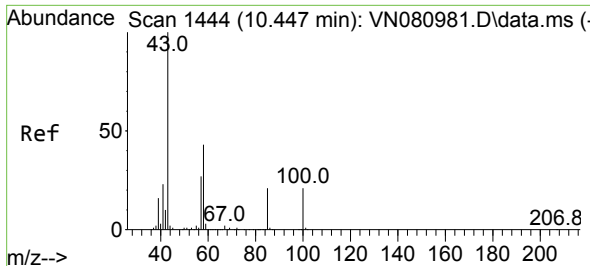
Tgt Ion:173 Resp: 689
Ion Ratio Lower Upper
173 100
175 446.7 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

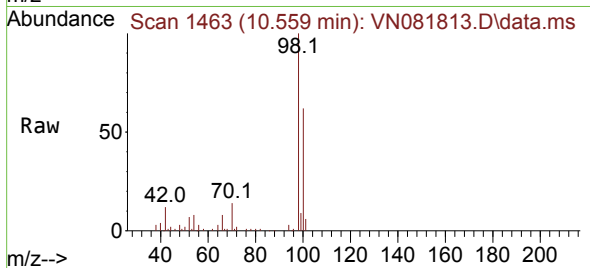
Tgt Ion:117 Resp: 107471
Ion Ratio Lower Upper
117 100
82 55.2 46.6 69.8
119 31.3 25.4 38.2



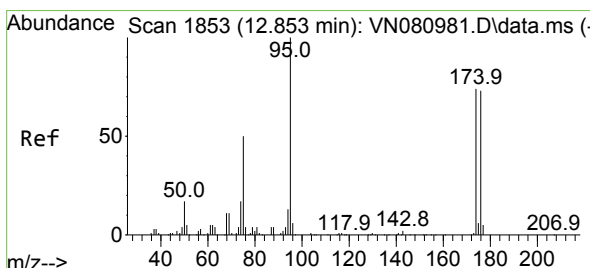
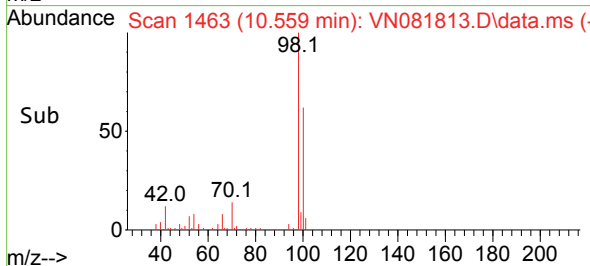
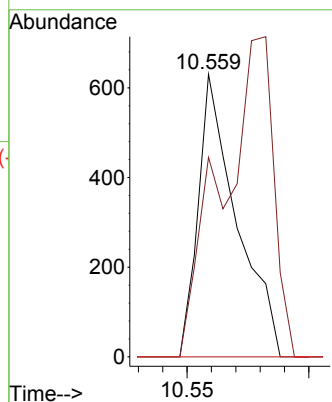


#58
4-Methyl-2-Pentanone
Concen: 0.373 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

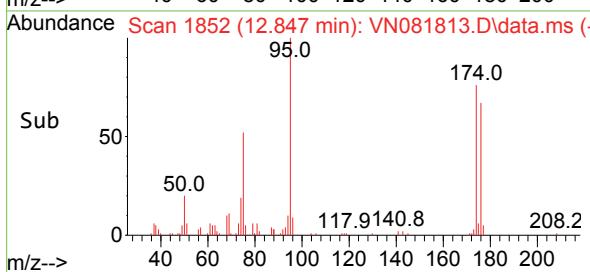
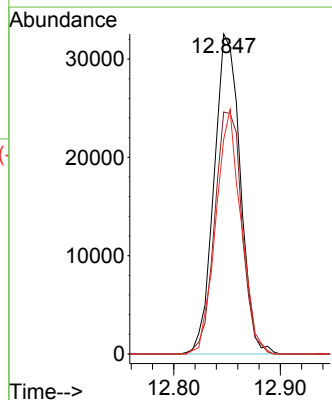
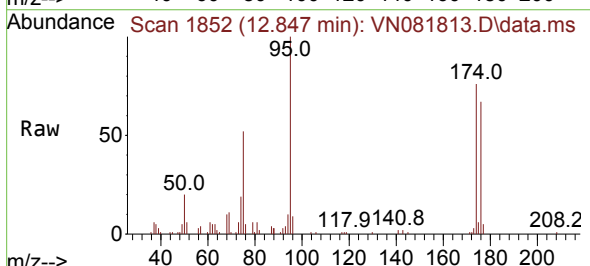


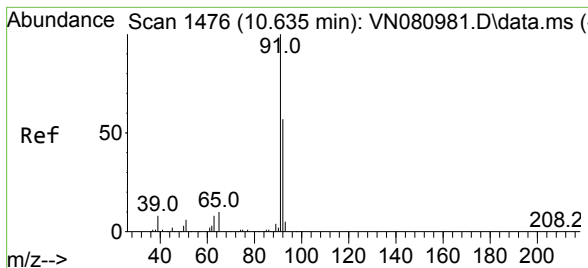
Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
58 49.9 36.5 54.7
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 26.331 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

Tgt Ion: 95 Resp: 55635
Ion Ratio Lower Upper
95 100
174 78.4 60.5 90.7
176 73.6 57.8 86.6





#62

Toluene

Concen: 2.183 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN081813.D

Acq: 19 Apr 2024 16:52

Instrument :

MSVOA_N

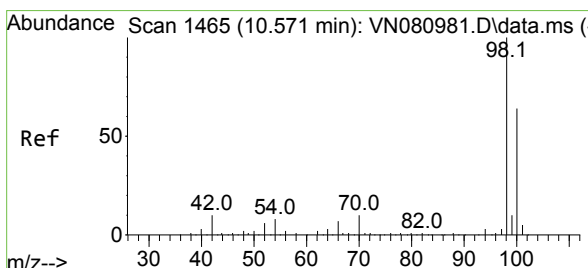
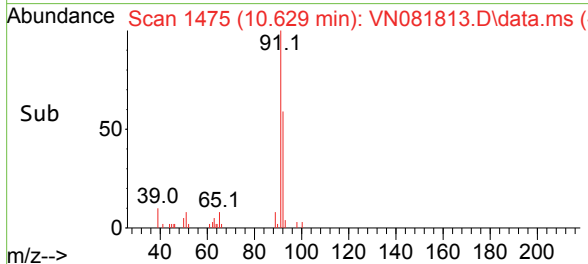
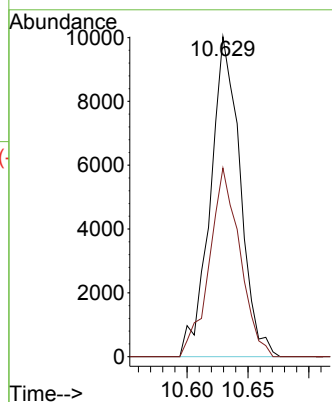
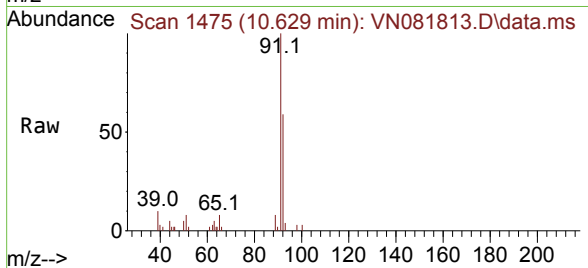
ClientSampleId :

Tgt Ion: 91 Resp: 17069

Ion Ratio Lower Upper

91 100

92 60.4 46.5 69.7



#63

Toluene-d8

Concen: 29.454 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081813.D

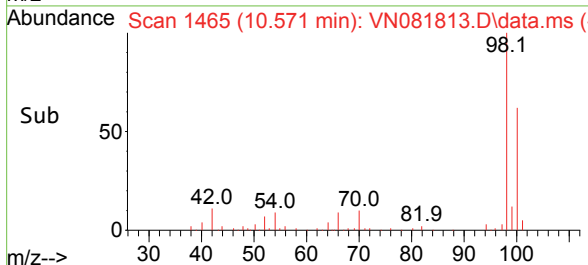
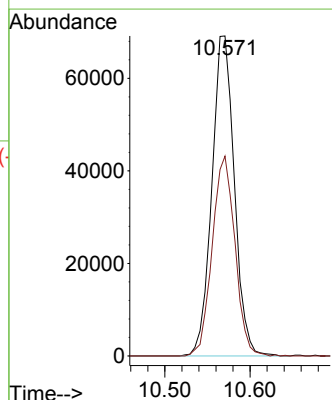
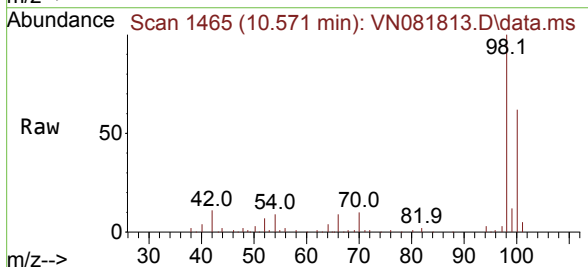
Acq: 19 Apr 2024 16:52

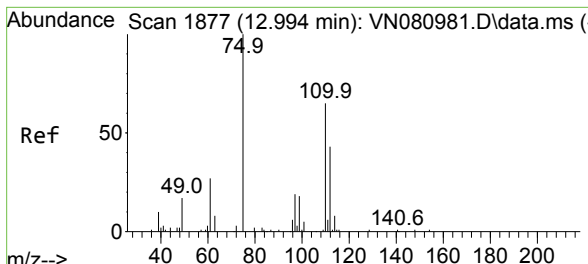
Tgt Ion: 98 Resp: 126972

Ion Ratio Lower Upper

98 100

100 63.1 52.7 79.1

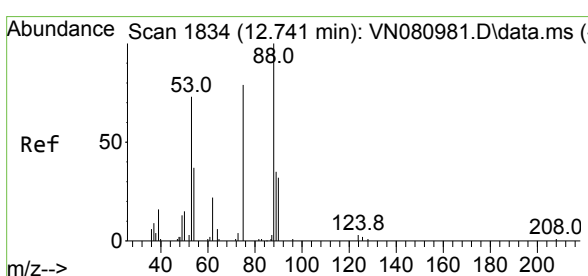
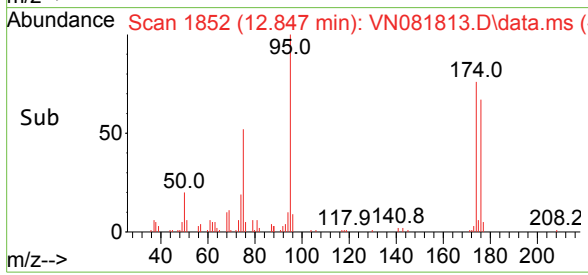
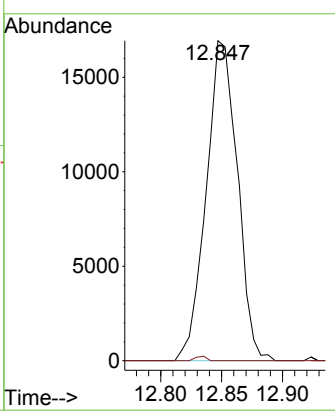
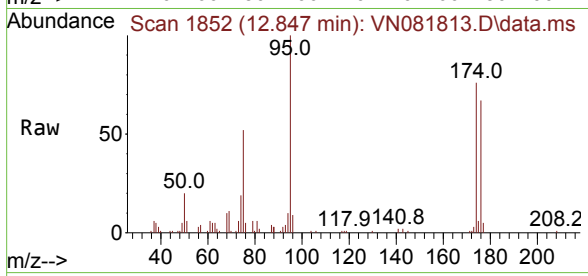




#72
 1,2,3-Trichloropropane
 Concen: 15.505 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081813.D
 Acq: 19 Apr 2024 16:52

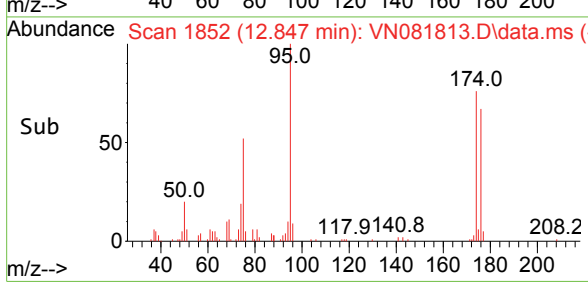
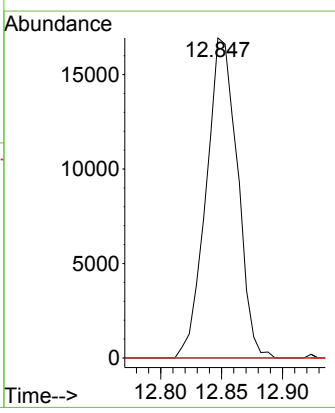
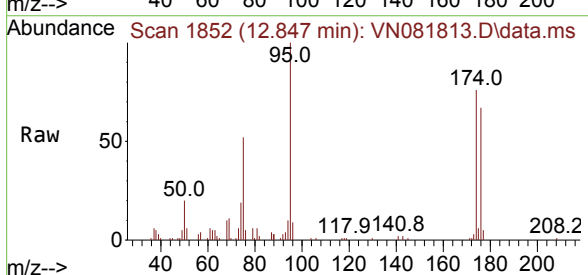
Instrument :
 MSVOA_N
 ClientSampleId :

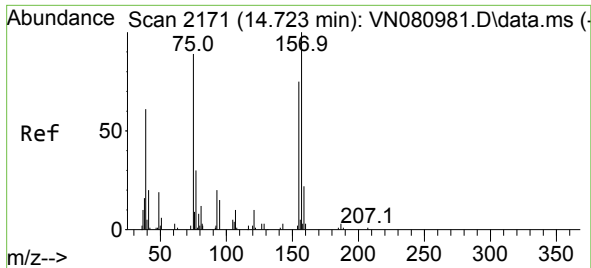
Tgt Ion:	75	Resp:	30239
Ion Ratio	Lower	Upper	
75	100		
77	0.5	0.0	367.6



#77
 t-1,4-Dichloro-2-butene
 Concen: 37.439 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN081813.D
 Acq: 19 Apr 2024 16:52

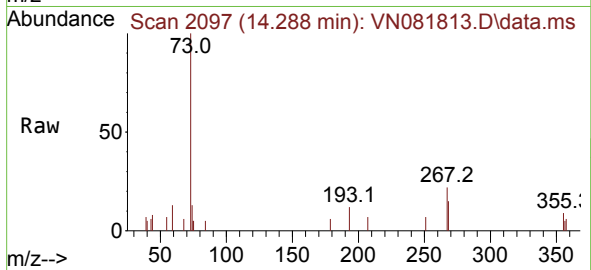
Tgt Ion:	75	Resp:	30239
Ion Ratio	Lower	Upper	
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#





#88
1,2-Dibromo-3-Chloropropane
Concen: 1.139 ug/l
RT: 14.288 min Scan# 2097
Delta R.T. -0.435 min
Lab File: VN081813.D
Acq: 19 Apr 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	61.7	92.5#
157	0.0	83.6	125.4#

