

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041024\
 Data File : VN081689.D
 Acq On : 10 Apr 2024 18:53
 Operator : JC\MD
 Sample : P2023-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 11 09:28:08 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)

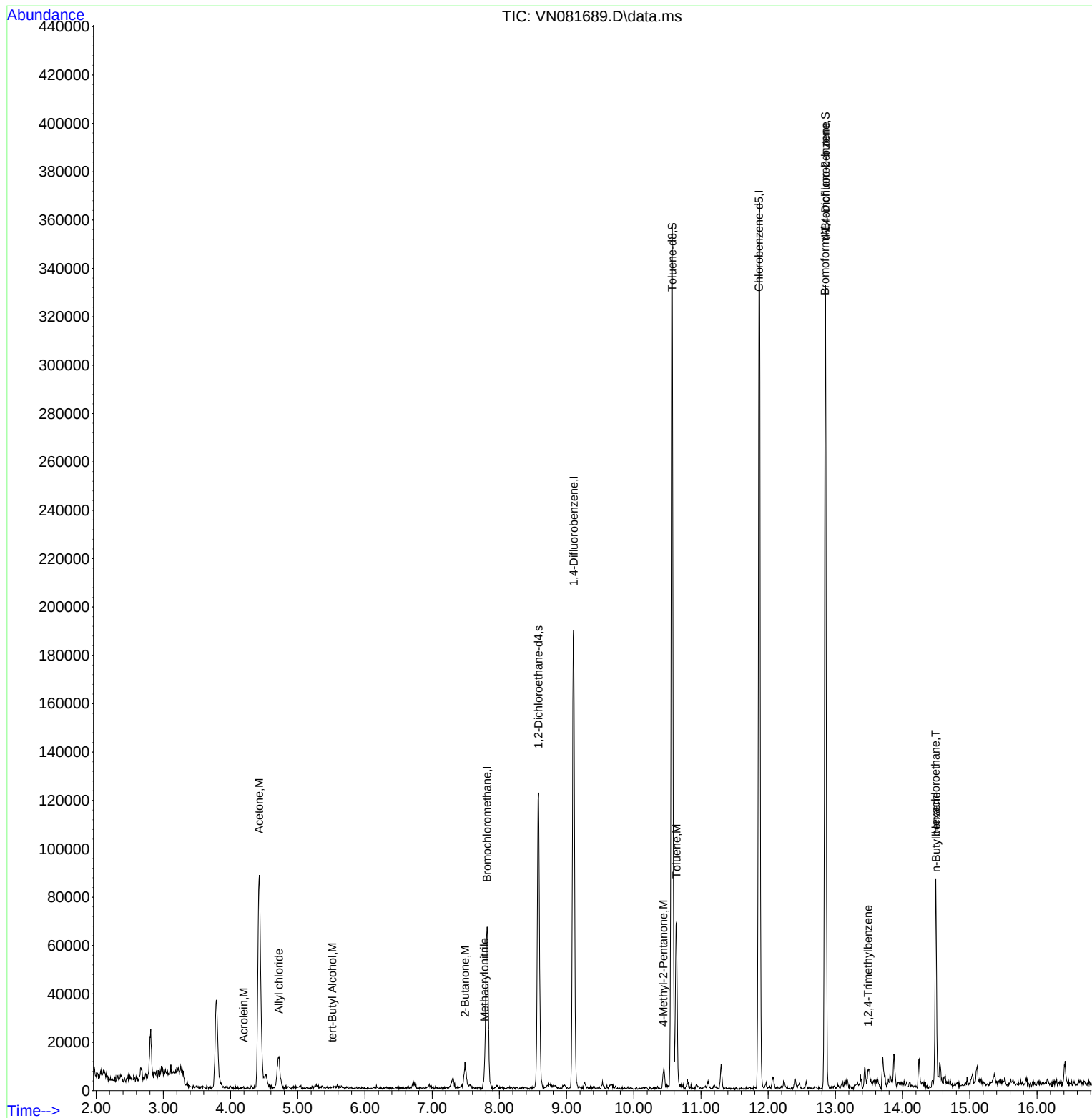
Internal Standards						
1) Bromochloromethane	7.818	128	25582	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	171816	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	218965	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	98643	31.388	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.633%
60) 4-Bromofluorobenzene	12.853	95	111923	25.999	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.667%
63) Toluene-d8	10.571	98	251767	28.665	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.533%
Target Compounds						
					Qvalue	
13) Acrolein	4.194	56	200	0.502	ug/l	96
15) Acetone	4.424	58	53591	161.824	ug/l	96
17) Allyl chloride	4.718	41	1308	0.328	ug/l	94
23) tert-Butyl Alcohol	5.512	59	376	0.703	ug/l #	100
30) 2-Butanone	7.488	43	15373	8.911	ug/l #	80
35) Methacrylonitrile	7.777	41	944	0.483	ug/l #	38
56) Bromoform	12.847	173	1004	0.363	ug/l #	35
58) 4-Methyl-2-Pentanone	10.441	43	5768	1.532	ug/l #	81
62) Toluene	10.635	91	52060	3.268	ug/l	98
77) t-1,4-Dichloro-2-butene	12.853	75	60569	36.806	ug/l #	12
80) 1,2,4-Trimethylbenzene	13.488	105	5679	0.408	ug/l	53
85) n-Butylbenzene	14.500	91	7058	0.584	ug/l	87
86) Hexachloroethane	14.494	117	1078	0.393	ug/l #	11

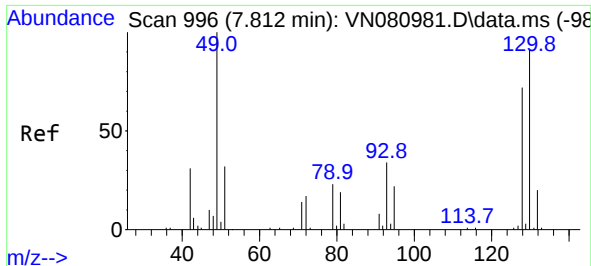
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041024\
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MSVOA_N
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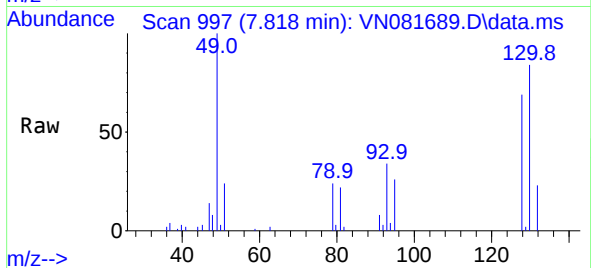
Quant Time: Apr 11 09:28:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



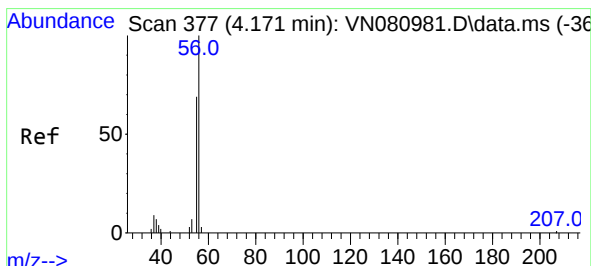
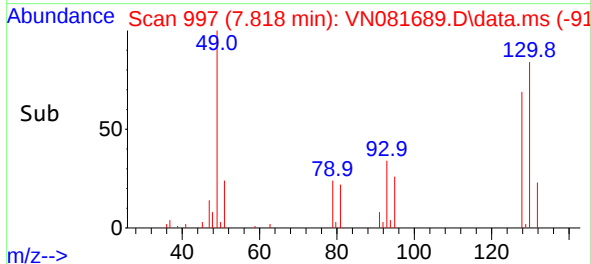
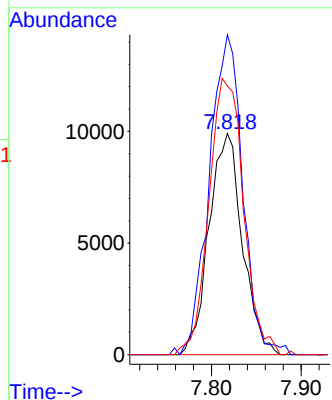


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

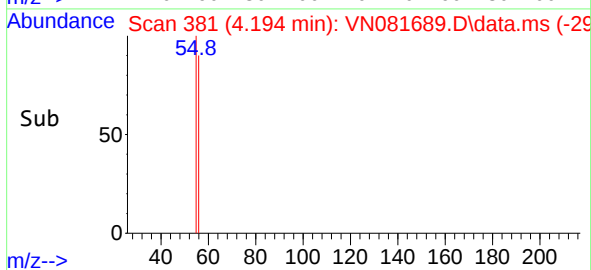
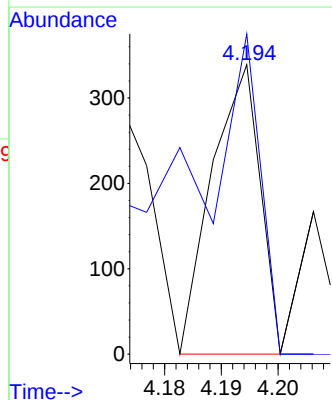
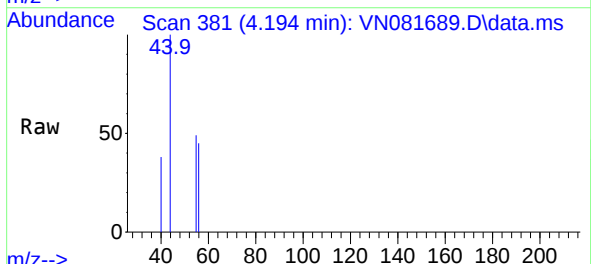


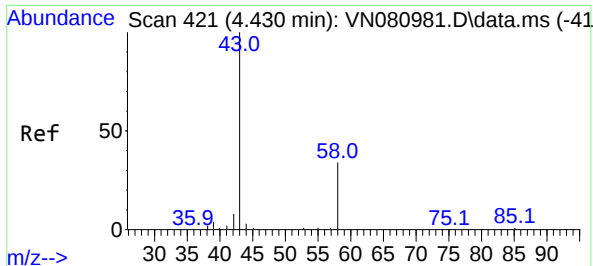
Tgt Ion:128 Resp: 25582
Ion Ratio Lower Upper
128 100
49 142.7 0.0 403.7
130 129.8 0.0 323.3



#13
Acrolein
Concen: 0.502 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 66.0 55.5 83.3

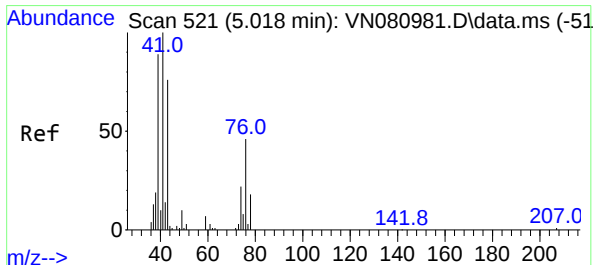
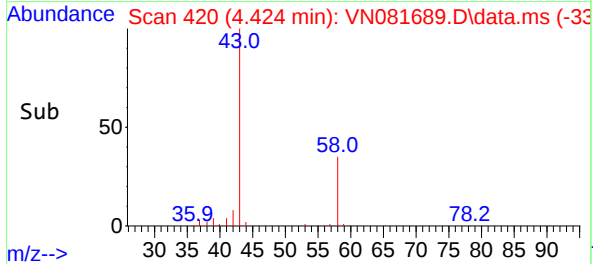
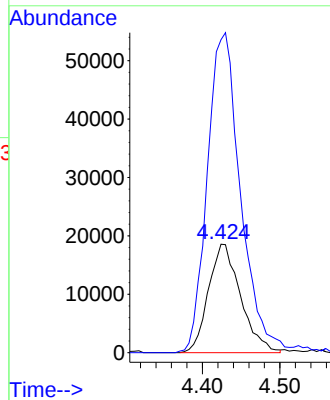
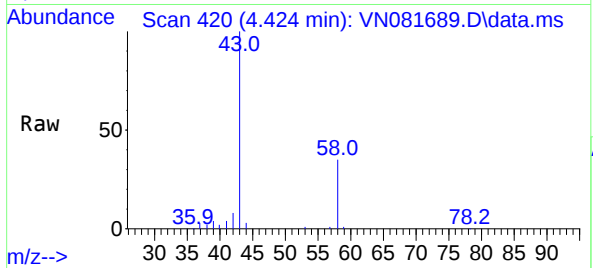




#15
Acetone
Concen: 161.824 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

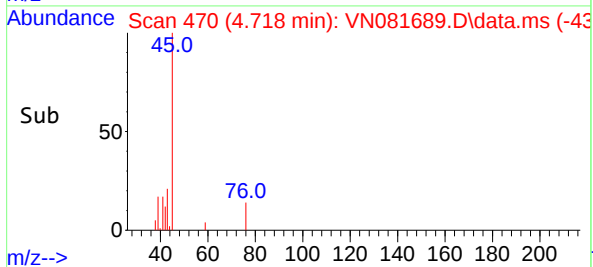
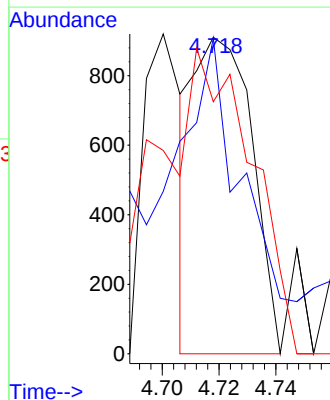
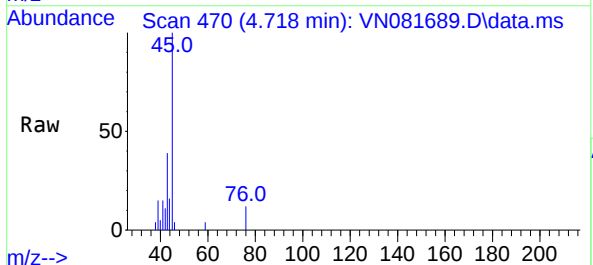
Instrument :
MSVOA_N
ClientSampleId :

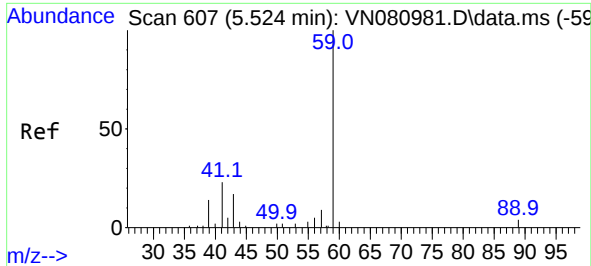
Tgt Ion: 58 Resp: 53591
Ion Ratio Lower Upper
58 100
43 286.8 223.1 334.7



#17
Allyl chloride
Concen: 0.328 ug/l
RT: 4.718 min Scan# 470
Delta R.T. -0.306 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

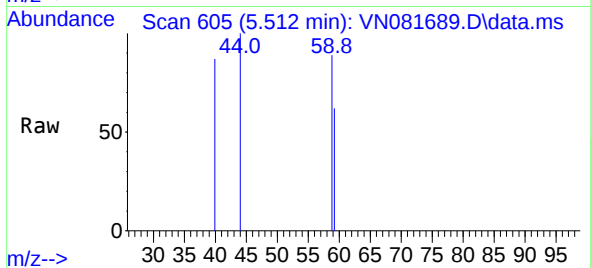
Tgt Ion: 41 Resp: 1308
Ion Ratio Lower Upper
41 100
39 82.1 37.6 112.9
76 53.2 27.8 83.4



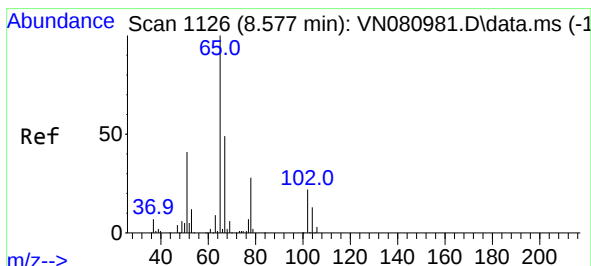
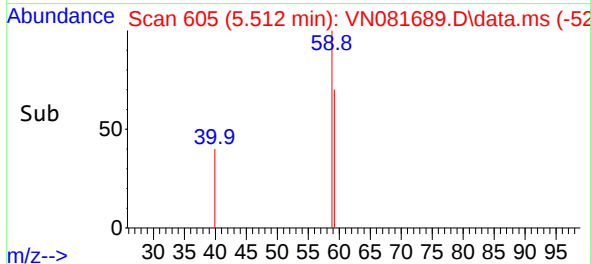
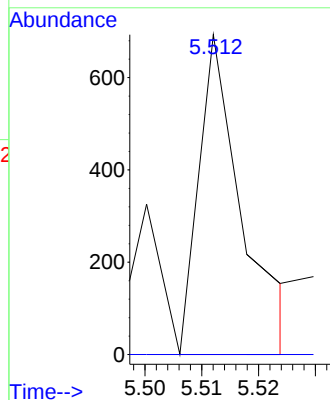


#23
tert-Butyl Alcohol
Concen: 0.703 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

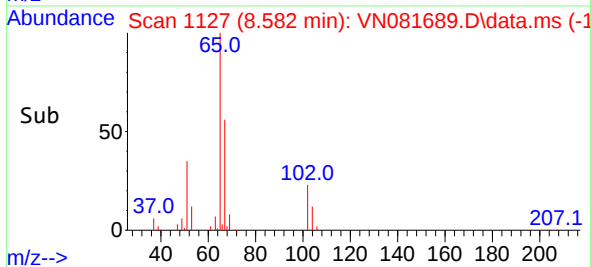
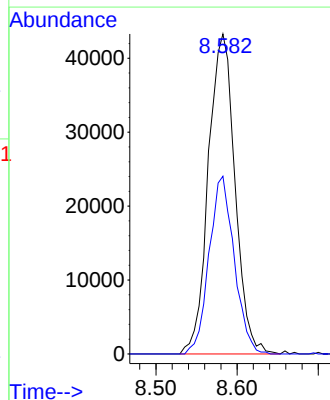
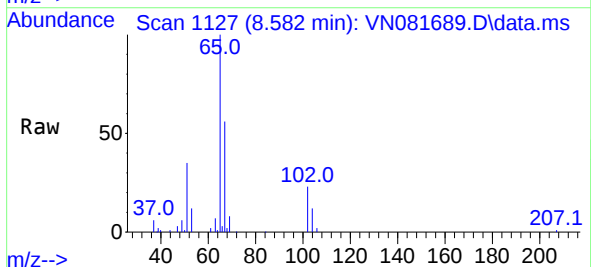


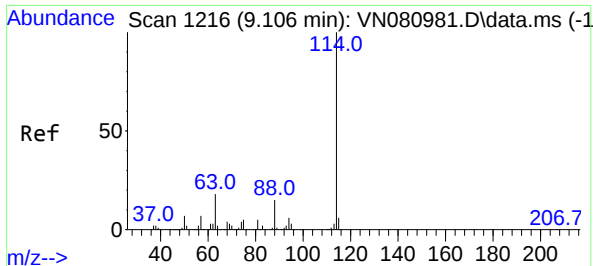
Tgt Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.388 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

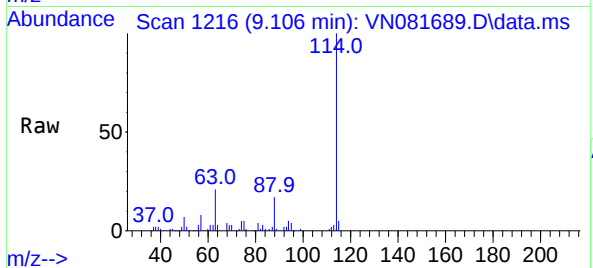
Tgt Ion: 65 Resp: 98643
Ion Ratio Lower Upper
65 100
67 52.3 43.2 64.8



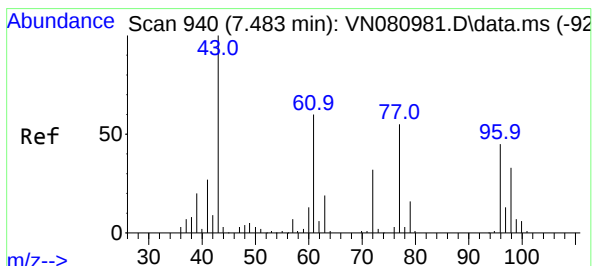
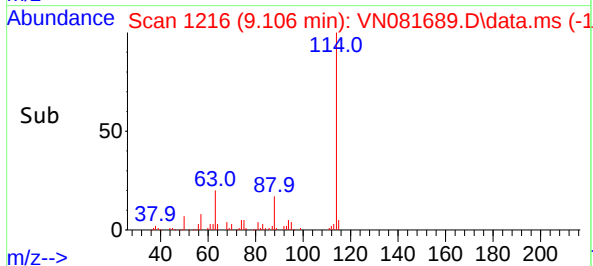
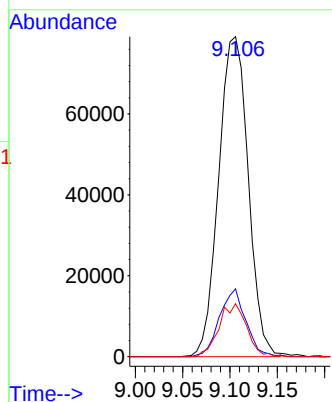


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

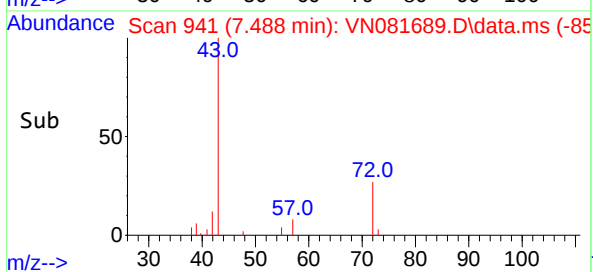
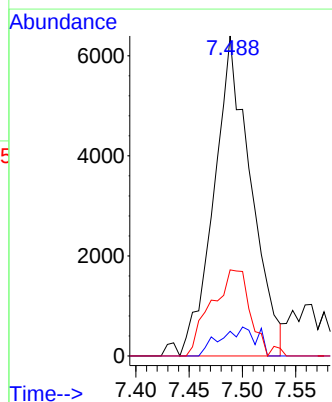
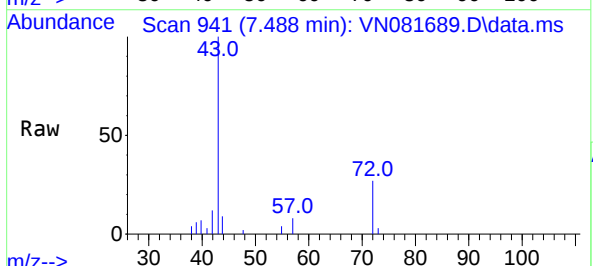


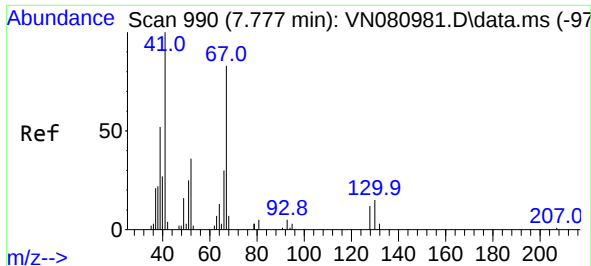
Tgt Ion:114 Resp: 171816
Ion Ratio Lower Upper
114 100
63 19.0 15.9 23.9
88 15.4 12.7 19.1



#30
2-Butanone
Concen: 8.911 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

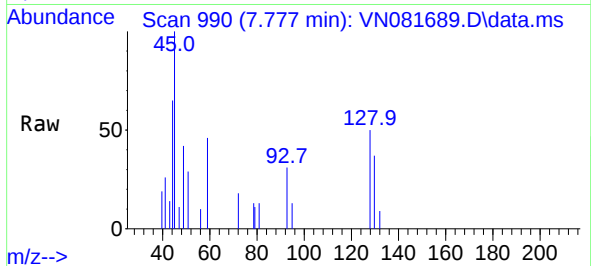
Tgt Ion: 43 Resp: 15373
Ion Ratio Lower Upper
43 100
57 2.8 6.7 10.1#
72 18.8 24.0 36.0#



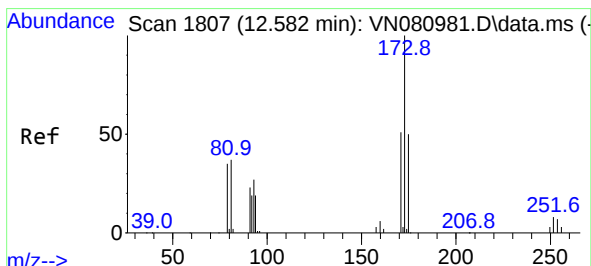
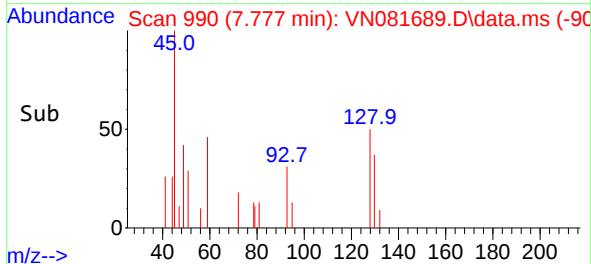
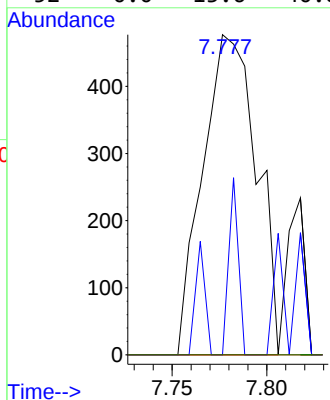


#35
Methacrylonitrile
Concen: 0.483 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.006 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

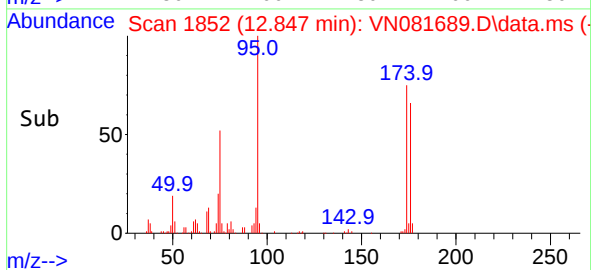
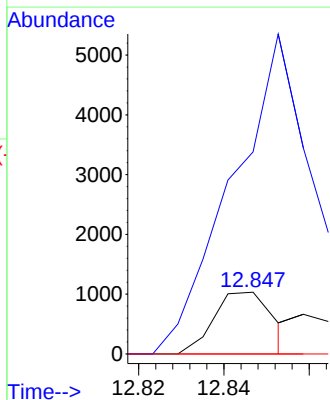
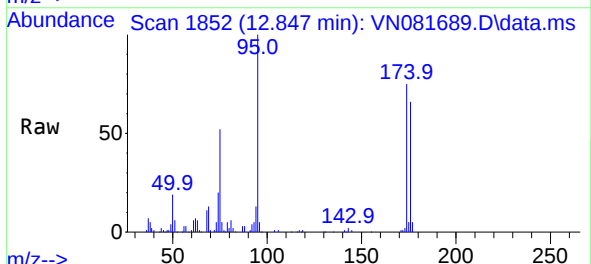


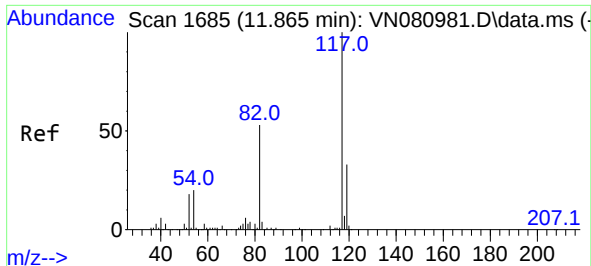
Tgt Ion:	41	Resp:	944
Ion	Ratio	Lower	Upper
41	100		
39	34.0	25.3	75.9
67	0.0	38.7	116.1#
52	0.0	13.6	40.8#



#56
Bromoform
Concen: 0.363 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

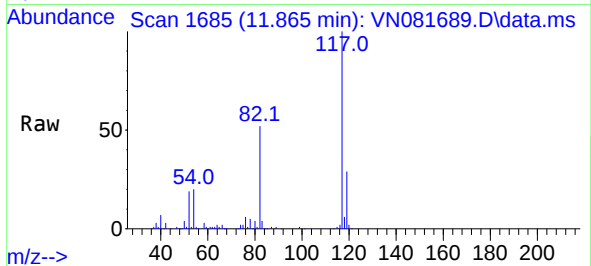
Tgt Ion:	173	Resp:	1004
Ion	Ratio	Lower	Upper
173	100		
175	0.0	40.0	60.0#
254	0.0	8.3	12.5#



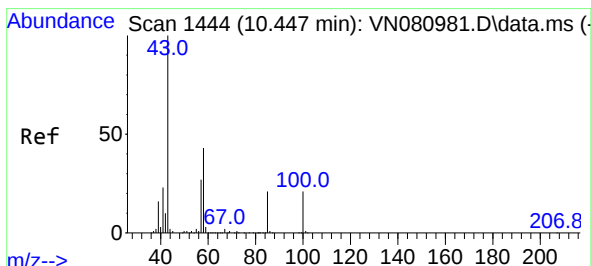
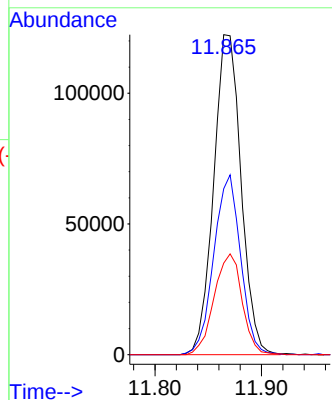
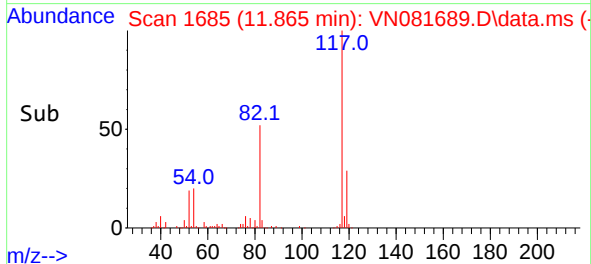


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1189
Delta R.T. -0.000 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :

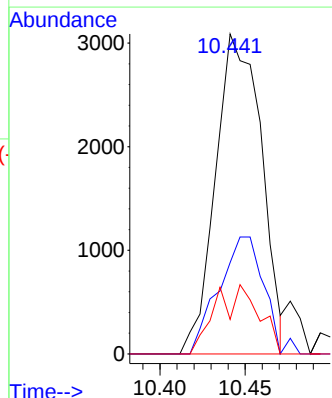
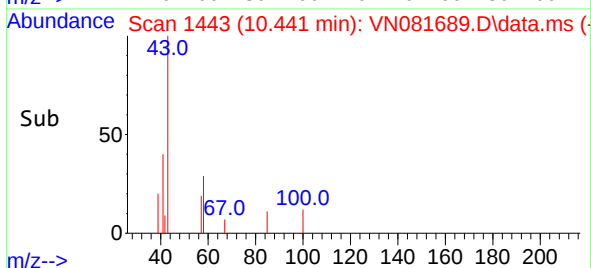
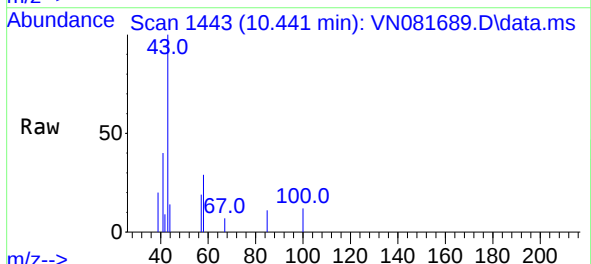


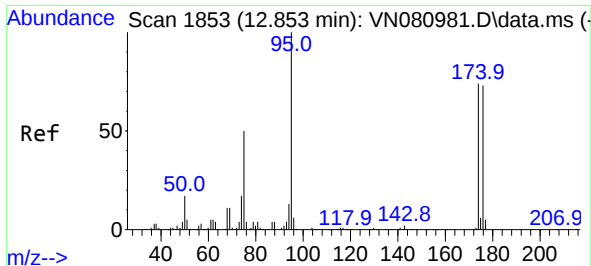
Tgt Ion:117 Resp: 218965
Ion Ratio Lower Upper
117 100
82 54.9 46.6 69.8
119 32.2 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 1.532 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

Tgt Ion: 43 Resp: 5768
Ion Ratio Lower Upper
43 100
58 35.5 36.5 54.7#
85 11.4 19.5 29.3#

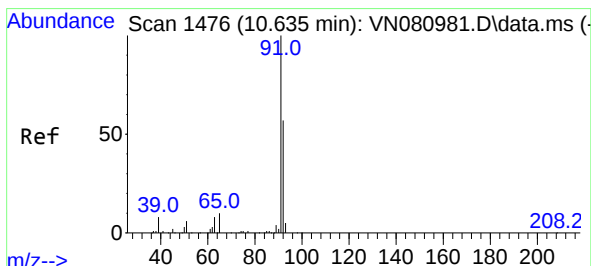
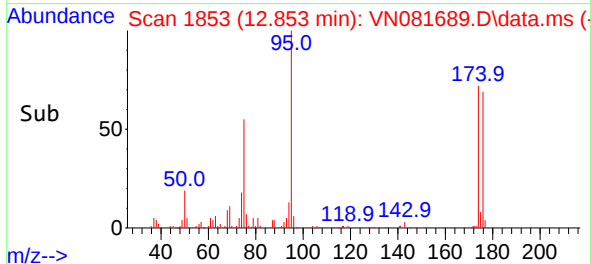
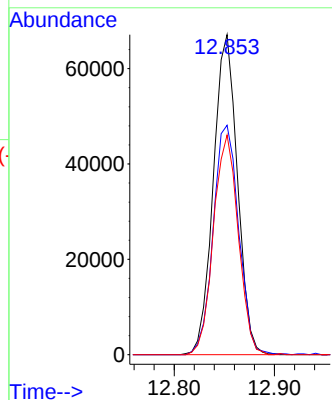
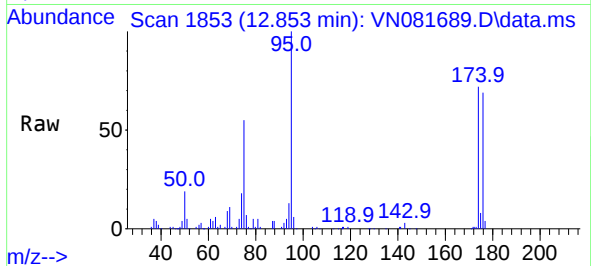




#60
4-Bromofluorobenzene
Concen: 25.999 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

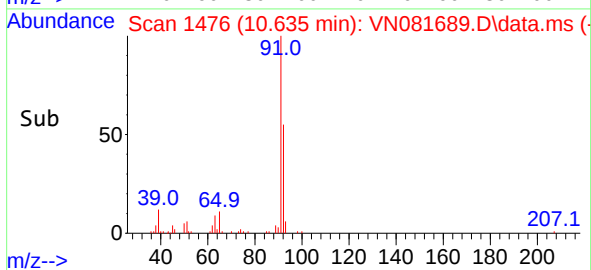
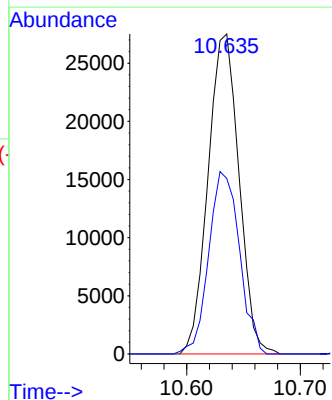
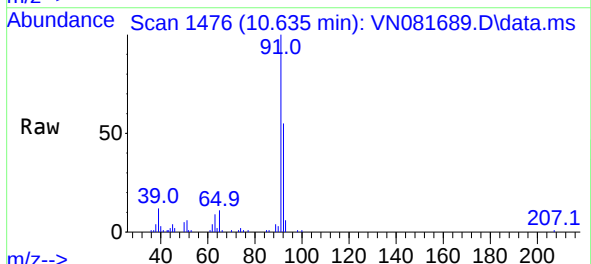
Instrument :
MSVOA_N
ClientSampleId :

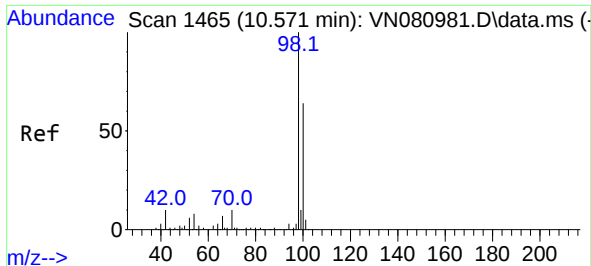
Tgt Ion: 95 Resp: 111923
Ion Ratio Lower Upper
95 100
174 76.0 60.5 90.7
176 70.6 57.8 86.6



#62
Toluene
Concen: 3.268 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

Tgt Ion: 91 Resp: 52060
Ion Ratio Lower Upper
91 100
92 56.8 46.5 69.7

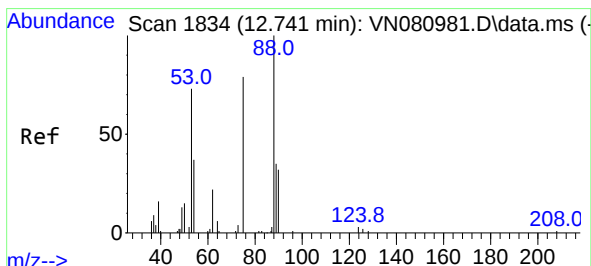
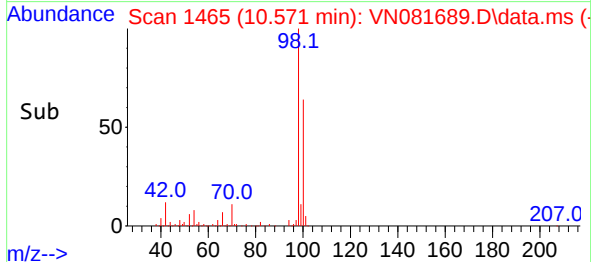
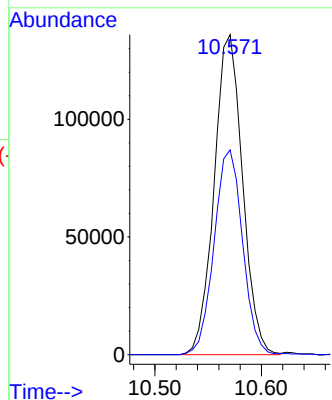
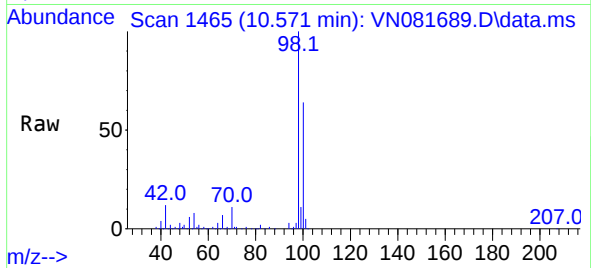




#63
Toluene-d8
Concen: 28.665 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

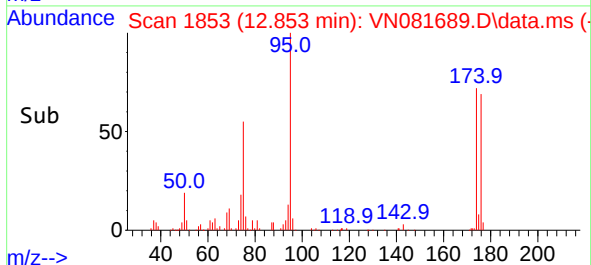
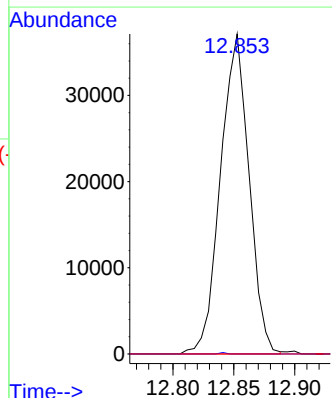
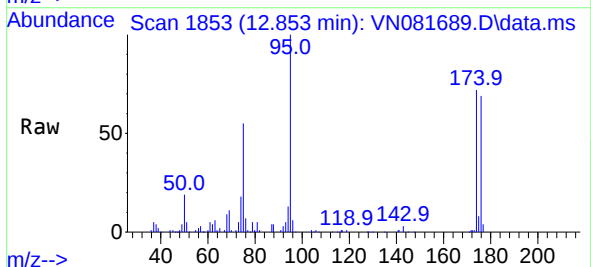
Instrument :
MSVOA_N
ClientSampleId :

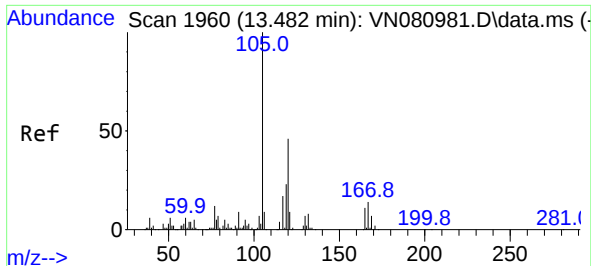
Tgt Ion: 98 Resp: 251767
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 36.806 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

Tgt Ion: 75 Resp: 60569
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

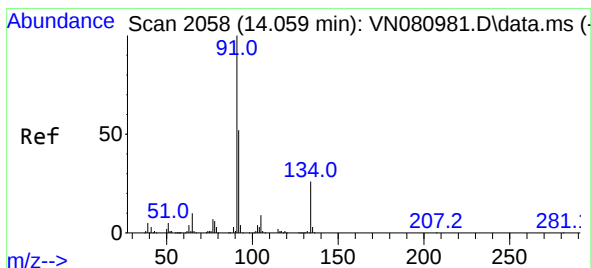
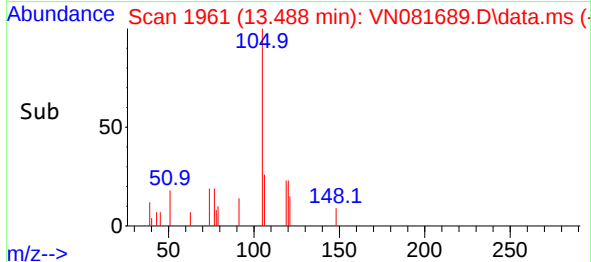
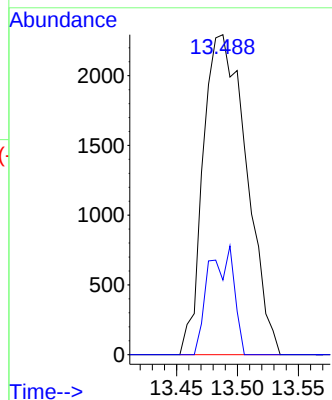
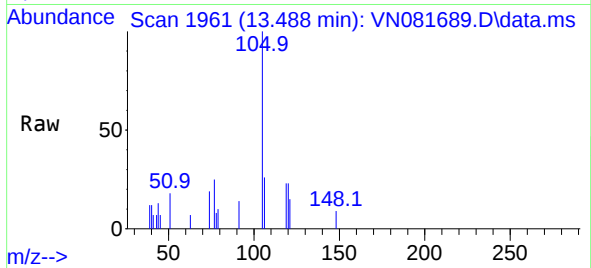




#80
1,2,4-Trimethylbenzene
Concen: 0.408 ug/l
RT: 13.488 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

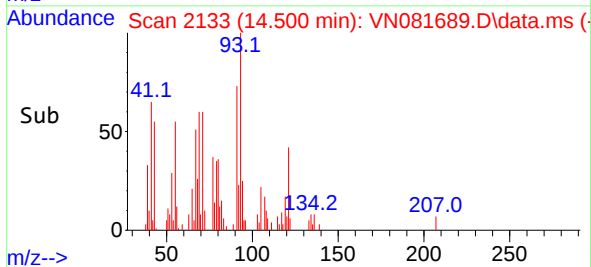
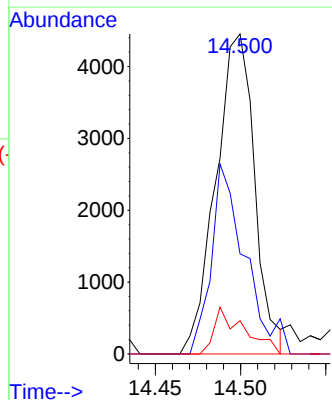
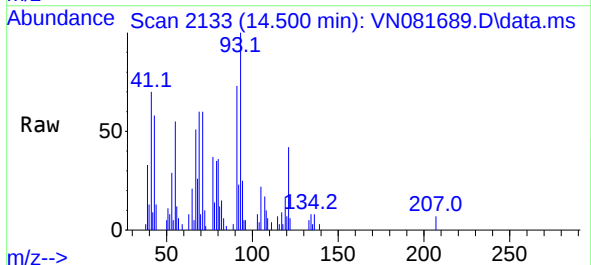
Instrument :
MSVOA_N
ClientSampleId :

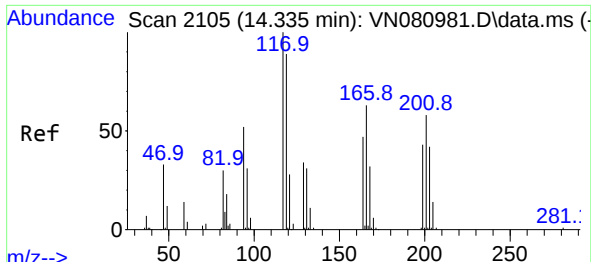
Tgt Ion:105 Resp: 5679
Ion Ratio Lower Upper
105 100
120 13.1 0.0 86.8



#85
n-Butylbenzene
Concen: 0.584 ug/l
RT: 14.500 min Scan# 2133
Delta R.T. 0.441 min
Lab File: VN081689.D
Acq: 10 Apr 2024 18:53

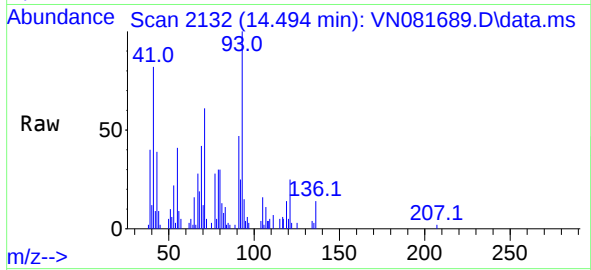
Tgt Ion: 91 Resp: 7058
Ion Ratio Lower Upper
91 100
92 49.2 0.0 105.0
134 10.2 0.0 51.8





#86
 Hexachloroethane
 Concen: 0.393 ug/l
 RT: 14.494 min Scan# 2105
 Delta R.T. 0.159 min
 Lab File: VN081689.D
 Acq: 10 Apr 2024 18:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:117 Resp: 1078
 Ion Ratio Lower Upper
 117 100
 201 0.0 38.0 114.0#

