

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042624\
 Data File : VN081899.D
 Acq On : 27 Apr 2024 02:45
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 14 11:16:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:13:26 2024
 Response via : Initial Calibration

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

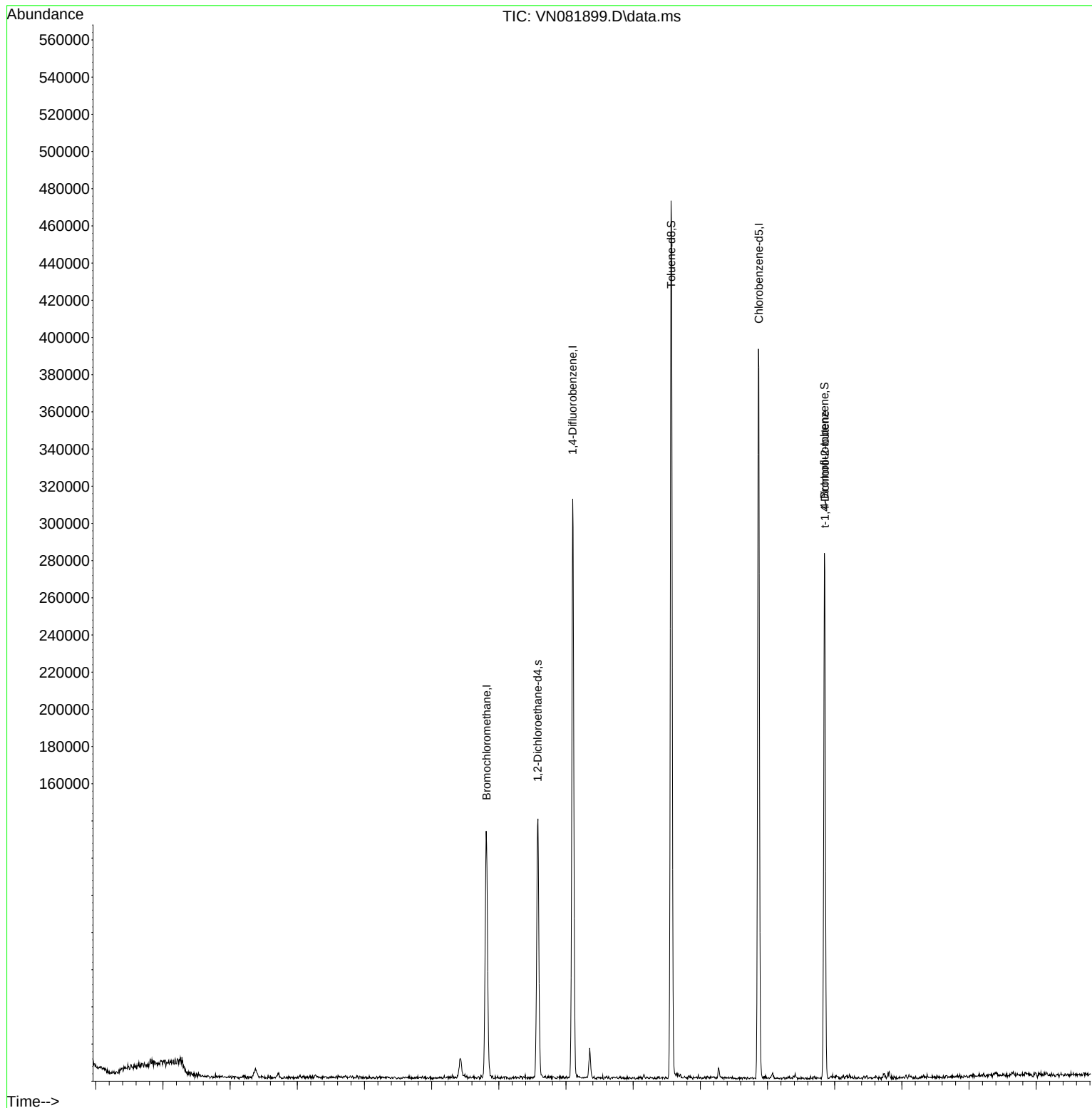
Internal Standards						
1) Bromochloromethane	7.818	128	44375	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	260086	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	222226	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	111434	33.420	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.400%#
60) 4-Bromofluorobenzene	12.847	95	102601	30.200	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.667%
63) Toluene-d8	10.565	98	320953	32.183	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.267%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.371	101	1789	0.692	ug/l	77
11) Methyl Iodide	4.589	142	554	0.204	ug/l #	34
13) Acrolein	4.183	56	502	1.003	ug/l	84
16) Carbon Disulfide	4.724	76	3507	0.505	ug/l #	78
23) tert-Butyl Alcohol	5.506	59	155	0.373	ug/l #	100
30) 2-Butanone	7.500	43	529	0.372	ug/l #	47
37) Trichloroethene	9.353	130	4967	1.578	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	478	0.226	ug/l #	43
77) t-1,4-Dichloro-2-butene	12.853	75	54332	49.547	ug/l #	12

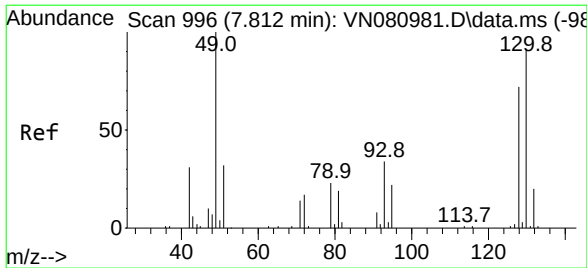
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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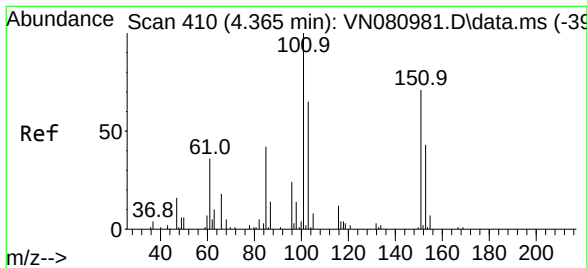
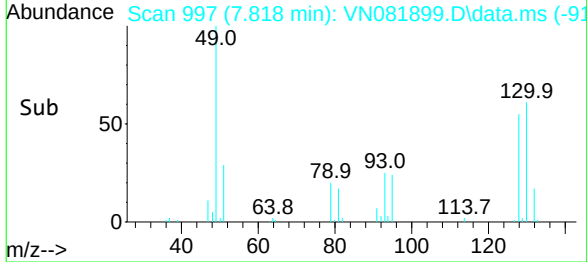
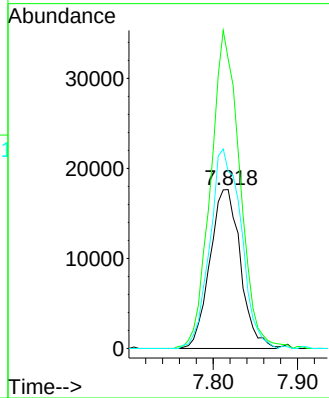
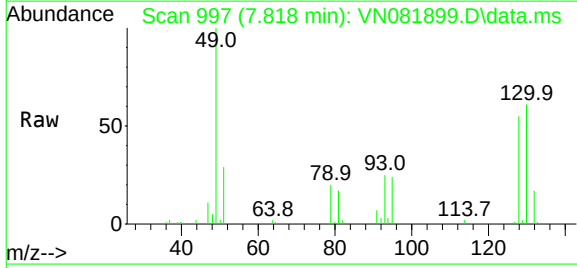




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN081899.D
Acq: 27 Apr 2024 02:45

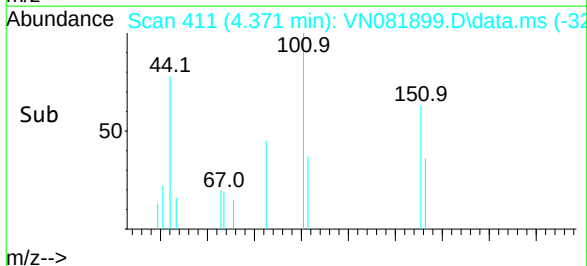
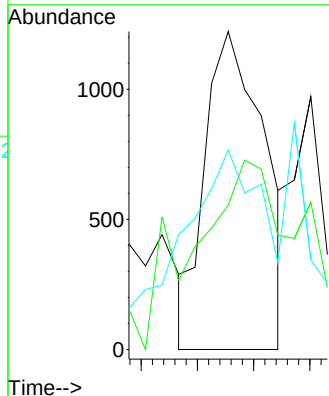
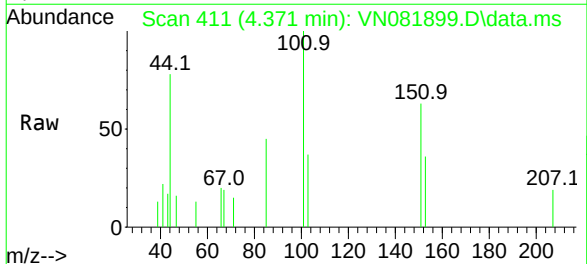
Instrument :
MSVOA_N
ClientSampleId :
IBLK

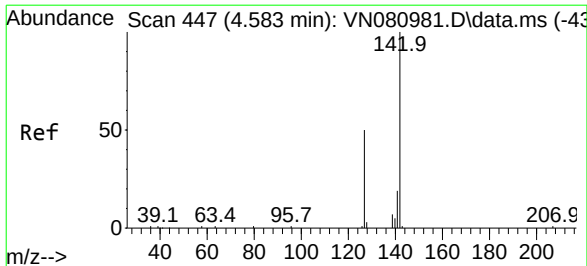
Tgt Ion:	128	Resp:	44375
Ion	Ratio	Lower	Upper
128	100		
49	191.3	0.0	403.7
130	128.8	0.0	323.3



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.692 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN081899.D
Acq: 27 Apr 2024 02:45

Tgt Ion:	101	Resp:	1789
Ion	Ratio	Lower	Upper
101	100		
85	73.1	0.0	90.6
151	89.5	0.0	157.6





#11

Methyl Iodide

Concen: 0.204 ug/l

RT: 4.589 min Scan# 447

Delta R.T. 0.006 min

Lab File: VN081899.D

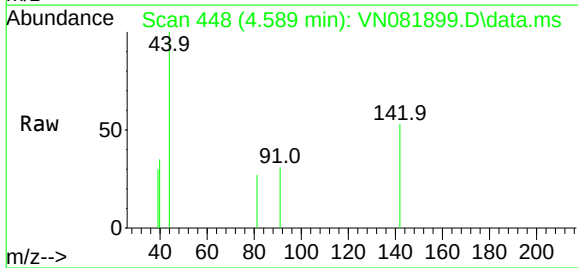
Acq: 27 Apr 2024 02:45

Instrument :

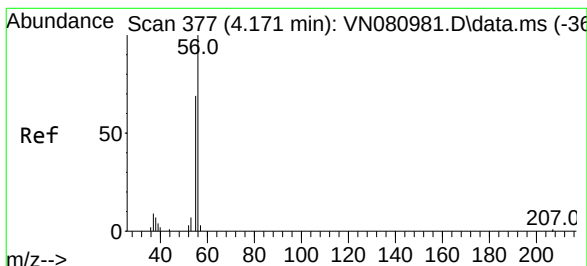
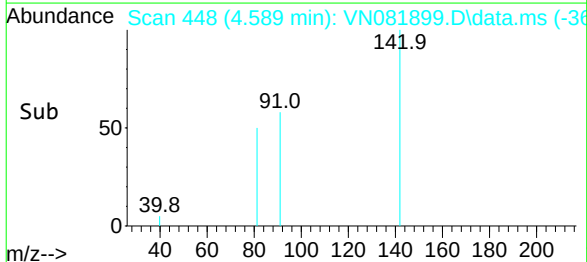
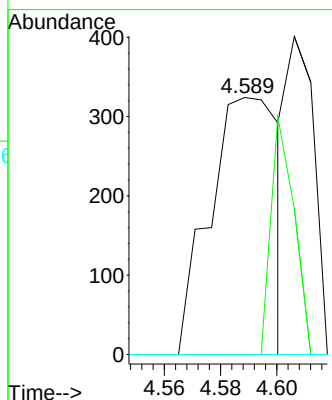
MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:	142	Resp:	554
Ion	Ratio	Lower	Upper
142	100		
127	0.0	26.3	78.9#
141	0.0	8.3	24.9#



#13

Acrolein

Concen: 1.003 ug/l

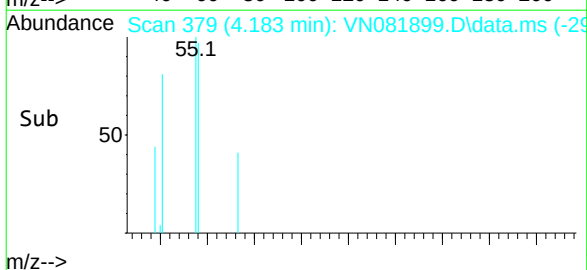
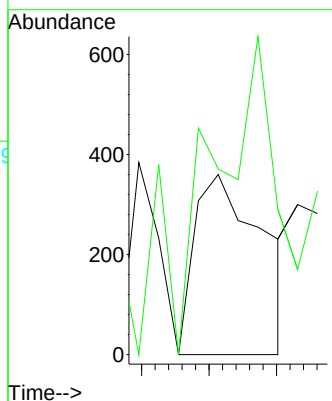
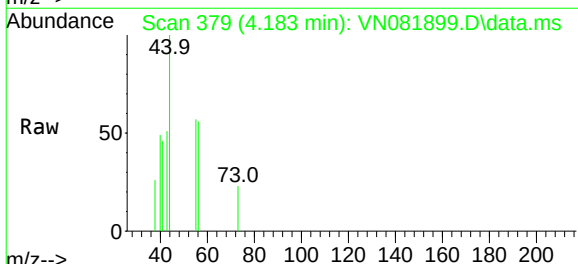
RT: 4.183 min Scan# 379

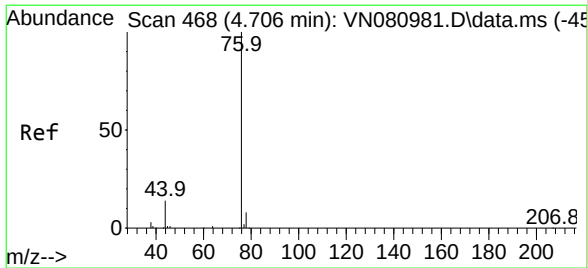
Delta R.T. 0.012 min

Lab File: VN081899.D

Acq: 27 Apr 2024 02:45

Tgt Ion:	56	Resp:	502
Ion	Ratio	Lower	Upper
56	100		
55	82.5	55.5	83.3





#16

Carbon Disulfide

Concen: 0.505 ug/l

RT: 4.724 min Scan# 47

Delta R.T. 0.018 min

Lab File: VN081899.D

Acq: 27 Apr 2024 02:45

Instrument :

MSVOA_N

ClientSampleId :

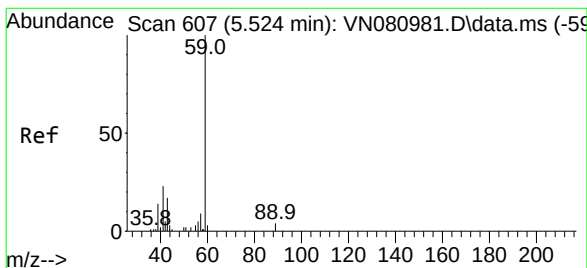
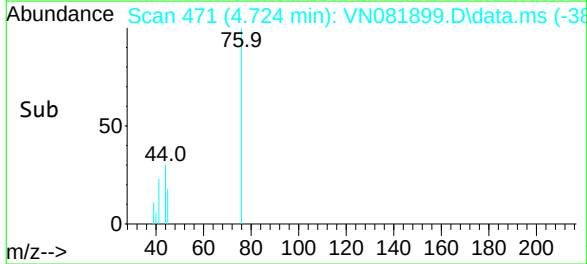
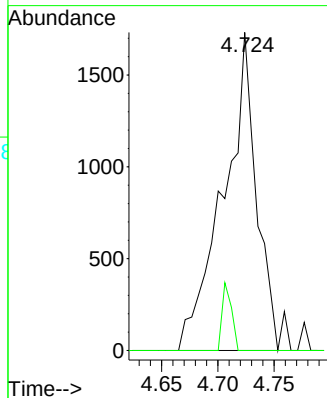
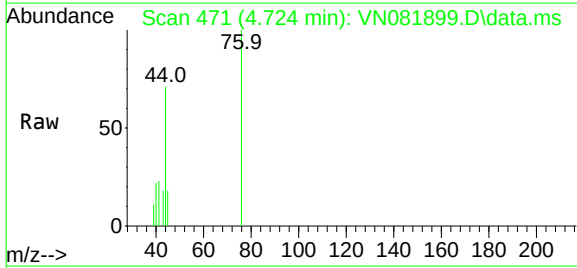
IBLK

Tgt Ion: 76 Resp: 3507

Ion Ratio Lower Upper

76 100

78 0.0 6.3 9.5#



#23

tert-Butyl Alcohol

Concen: 0.373 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.018 min

Lab File: VN081899.D

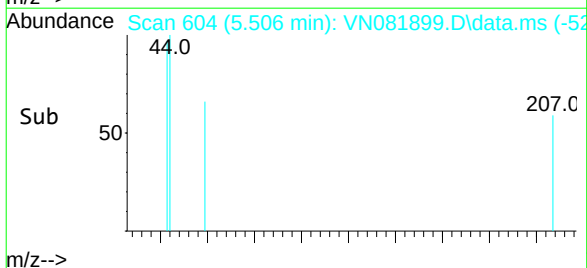
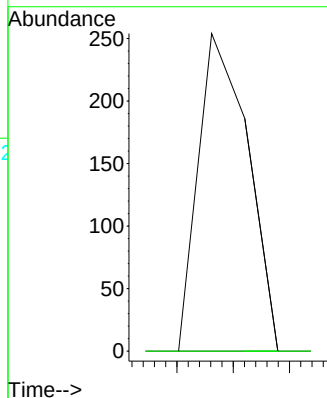
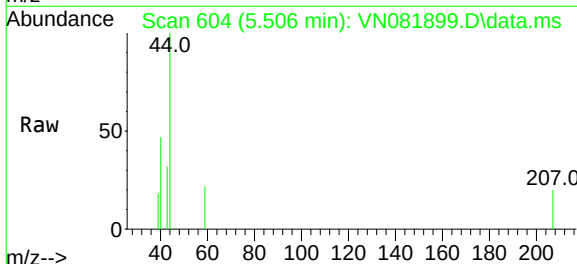
Acq: 27 Apr 2024 02:45

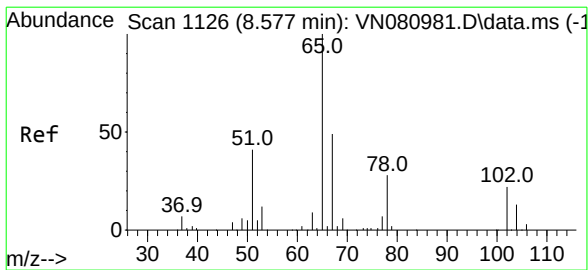
Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

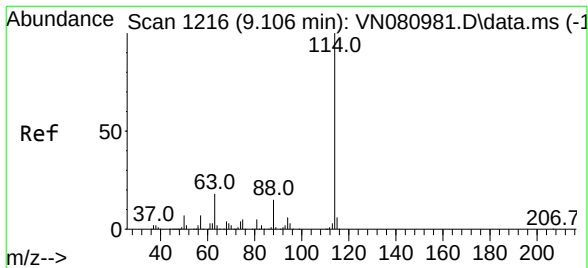
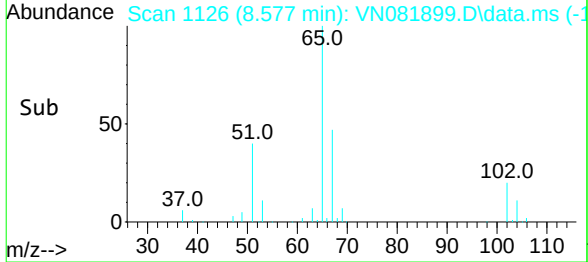
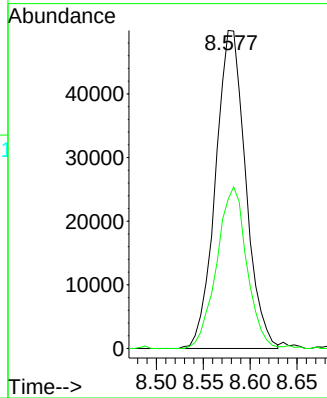
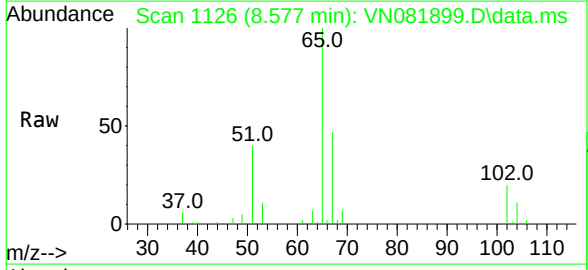




#27
1,2-Dichloroethane-d4
Concen: 33.420 ug/l
RT: 8.577 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN081899.D
Acq: 27 Apr 2024 02:45

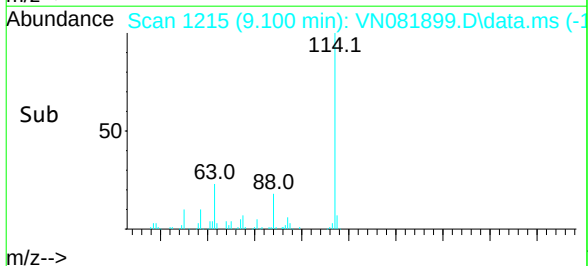
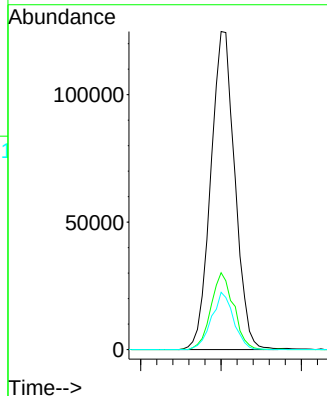
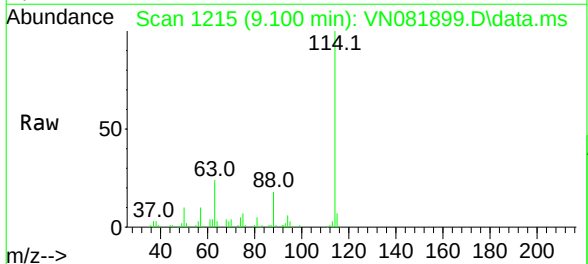
Instrument :
MSVOA_N
ClientSampleId :
IBLK

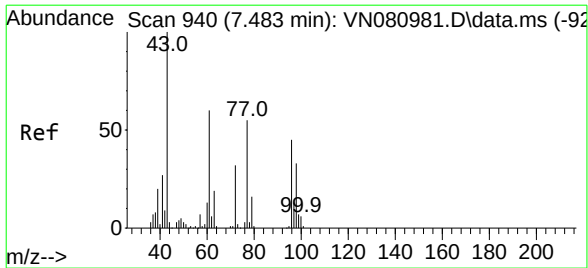
Tgt Ion: 65 Resp: 111434
Ion Ratio Lower Upper
65 100
67 50.6 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.006 min
Lab File: VN081899.D
Acq: 27 Apr 2024 02:45

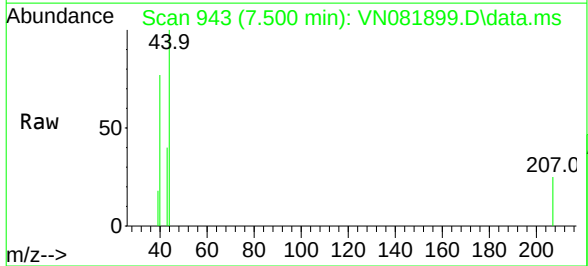
Tgt Ion: 114 Resp: 260086
Ion Ratio Lower Upper
114 100
63 22.7 15.9 23.9
88 16.4 12.7 19.1



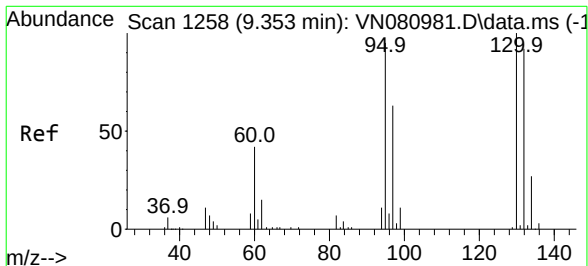
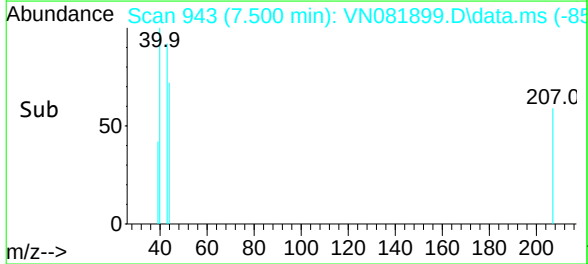
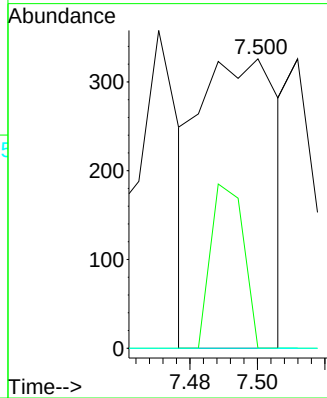


#30
2-Butanone
Concen: 0.372 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN081899.D
Acq: 27 Apr 2024 02:45

Instrument :
MSVOA_N
ClientSampleId :
IBLK

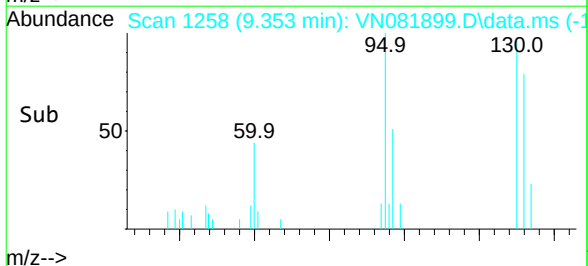
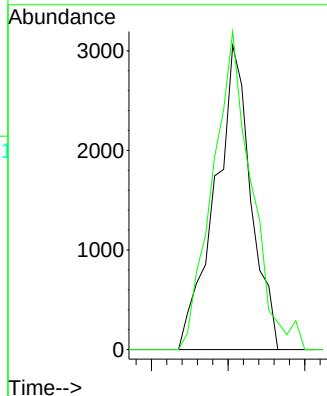
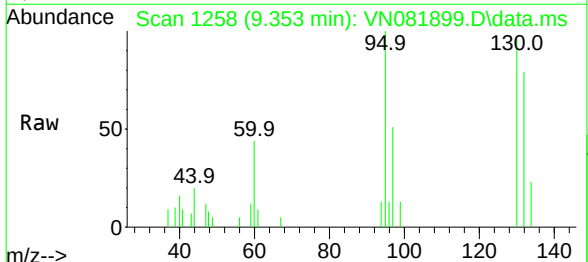


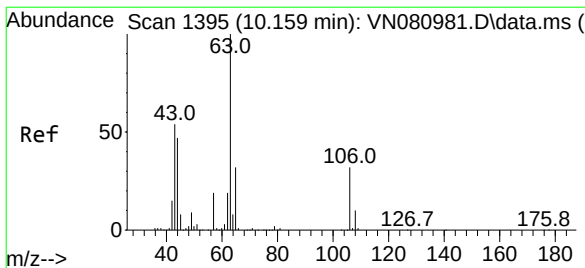
Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
57 23.6 6.7 10.1#
72 0.0 24.0 36.0#



#37
Trichloroethene
Concen: 1.578 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN081899.D
Acq: 27 Apr 2024 02:45

Tgt Ion: 130 Resp: 4967
Ion Ratio Lower Upper
130 100
95 104.6 80.2 120.4

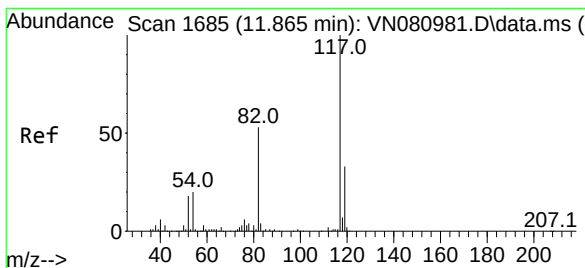
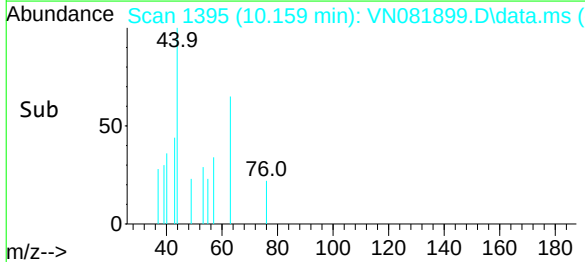
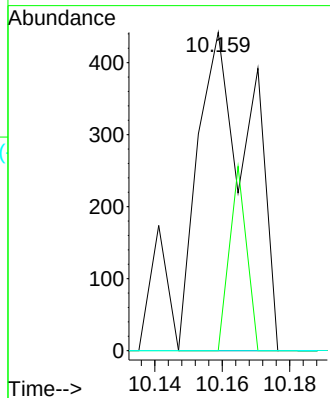
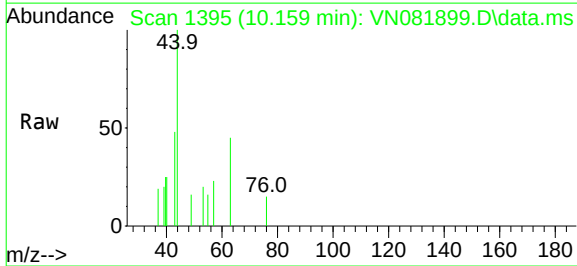




#55
2-Chloroethyl vinyl ether
Concen: 0.226 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN081899.D
Acq: 27 Apr 2024 02:45

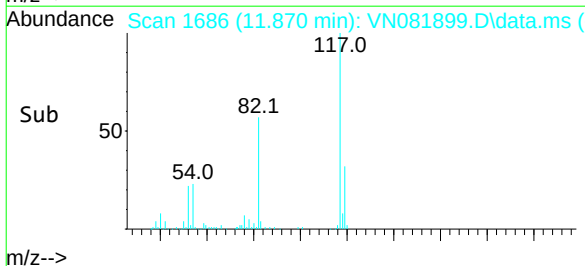
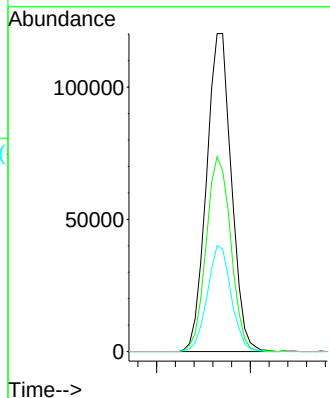
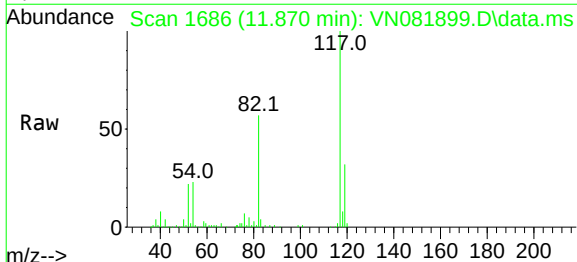
Instrument : MSVOA_N
ClientSampleId : IBLK

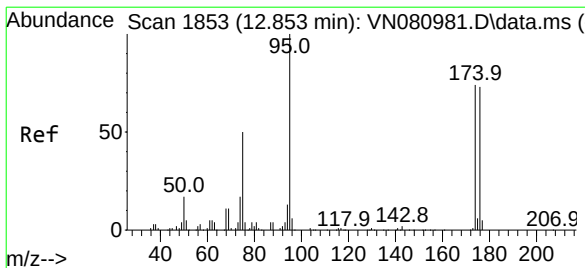
Tgt Ion:	63	Resp:	478
Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.2	39.2#
106	0.0	23.8	35.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081899.D
Acq: 27 Apr 2024 02:45

Tgt Ion:	117	Resp:	222226
Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.6	69.8
119	31.9	25.4	38.2





#60

4-Bromofluorobenzene

Concen: 30.200 ug/l

RT: 12.847 min Scan# 18

Delta R.T. -0.006 min

Lab File: VN081899.D

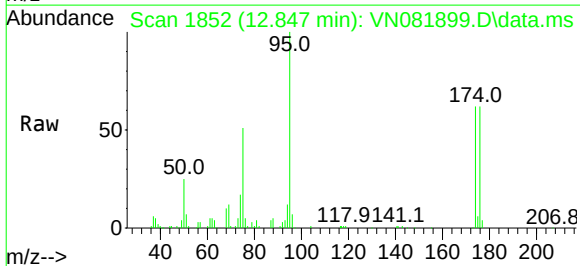
Acq: 27 Apr 2024 02:45

Instrument :

MSVOA_N

ClientSampleId :

IBLK



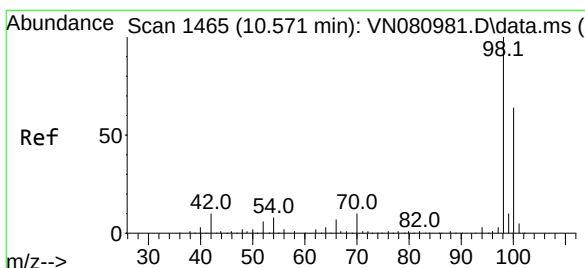
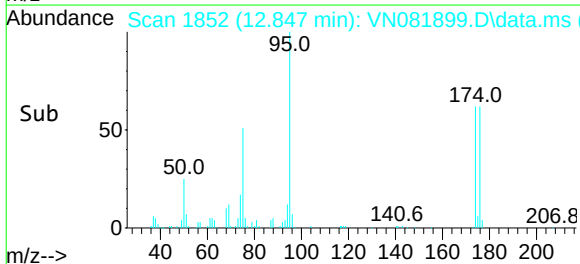
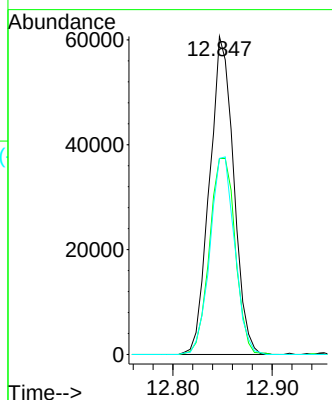
Tgt Ion: 95 Resp: 102601

Ion Ratio Lower Upper

95 100

174 65.5 60.5 90.7

176 63.5 57.8 86.6



#63

Toluene-d8

Concen: 32.183 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081899.D

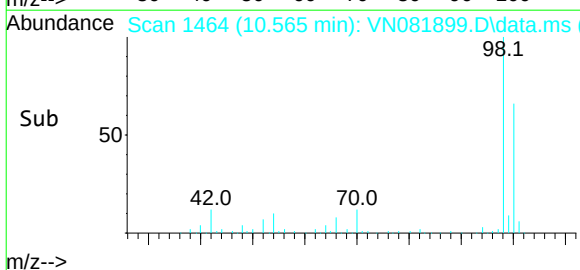
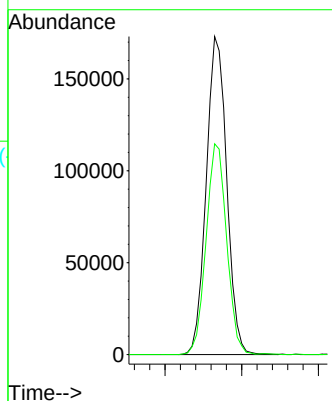
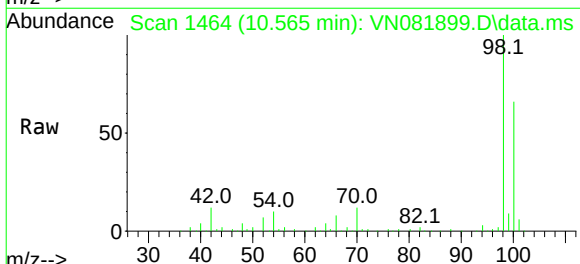
Acq: 27 Apr 2024 02:45

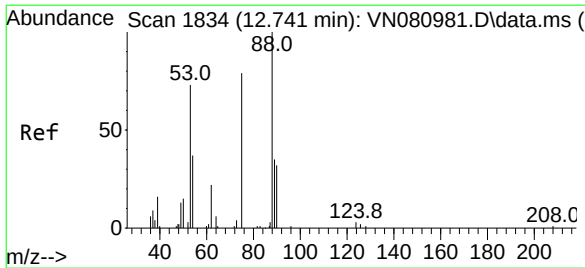
Tgt Ion: 98 Resp: 320953

Ion Ratio Lower Upper

98 100

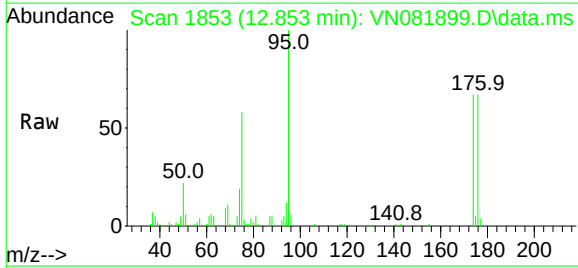
100 66.5 52.7 79.1





#77
t-1,4-Dichloro-2-butene
Concen: 49.547 ug/l
RT: 12.853 min Scan# 18
Delta R.T. 0.112 min
Lab File: VN081899.D
Acq: 27 Apr 2024 02:45

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 75 Resp: 54332
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

