

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
 Data File : VN080051.D
 Acq On : 10 Nov 2023 14:23
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 23:57:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

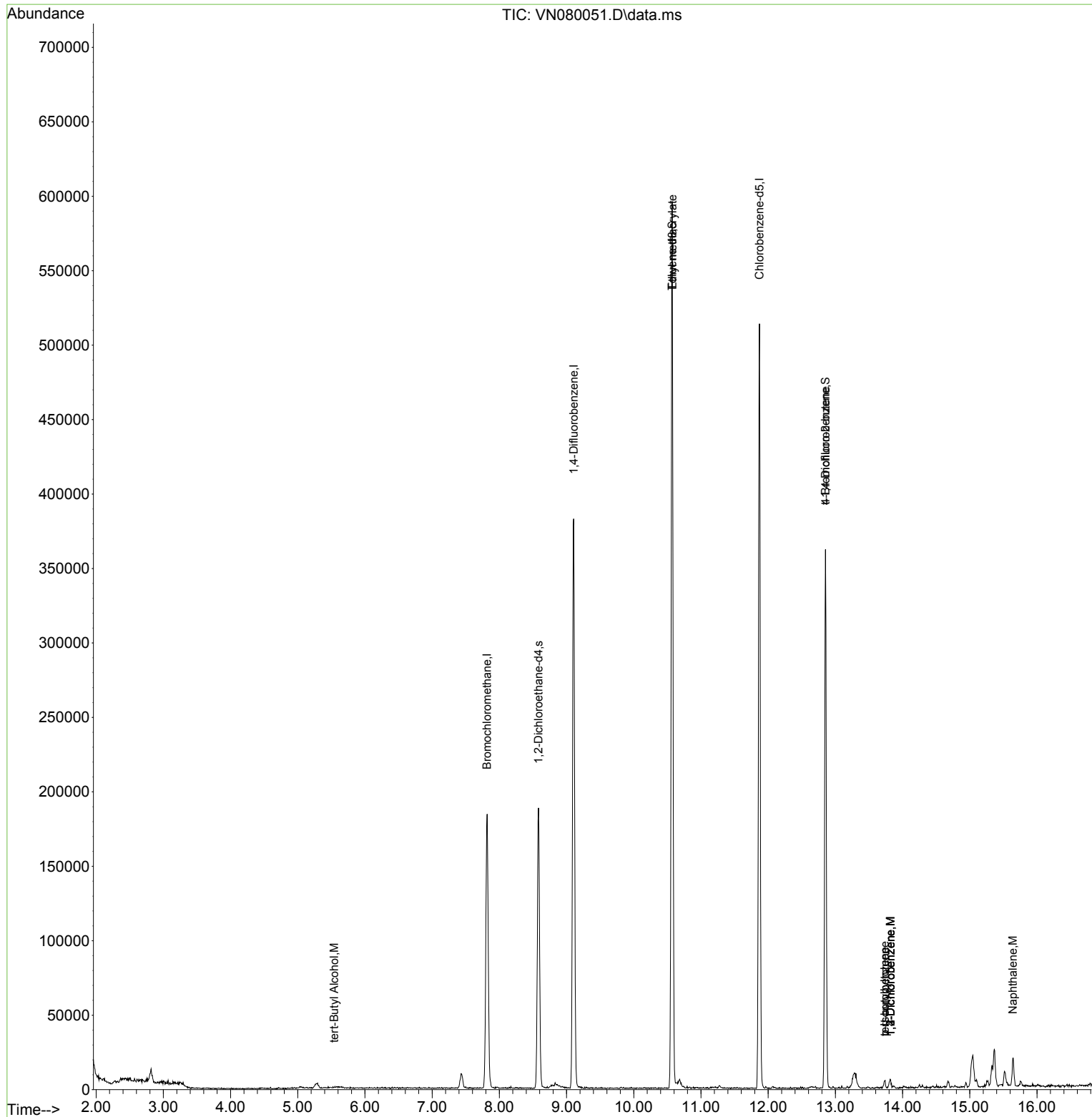
Internal Standards						
1) Bromochloromethane	7.818	128	64800	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	327195	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	296239	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	159531	29.328	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.767%
60) 4-Bromofluorobenzene	12.853	95	127638	26.943	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.800%
63) Toluene-d8	10.571	98	412516	29.389	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.967%
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.542	59	226	0.408	ug/l #	100
51) Ethyl methacrylate	10.577	69	1738	0.311	ug/l #	64
77) t-1,4-Dichloro-2-butene	12.853	75	65884	39.672	ug/l #	7
79) tert-butylbenzene	13.735	119	3466	0.334	ug/l	60
82) p-Isopropyltoluene	13.735	119	3466	0.291	ug/l	95
83) 1,3-Dichlorobenzene	13.823	146	2183	0.304	ug/l	91
84) 1,4-Dichlorobenzene	13.823	146	2183	0.310	ug/l	90
87) 1,2-Dichlorobenzene	13.823	146	2183	0.318	ug/l	91
91) Naphthalene	15.641	128	17378	1.704	ug/l #	77

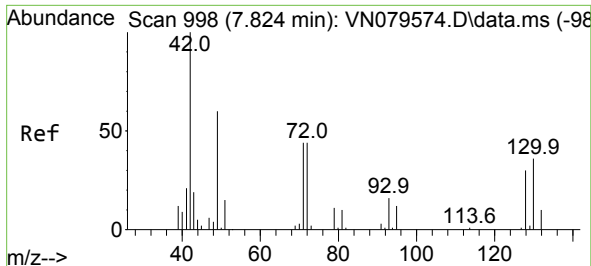
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
Data File : VN080051.D
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

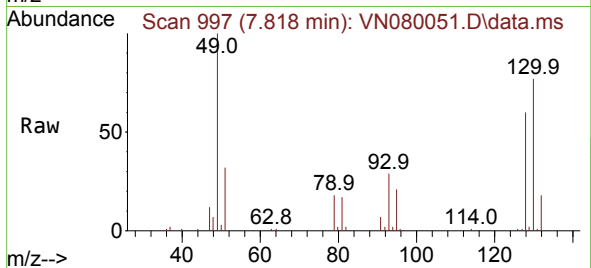
Quant Time: Nov 10 23:57:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
Response via : Initial Calibration



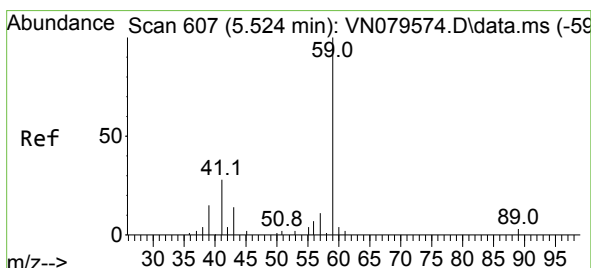
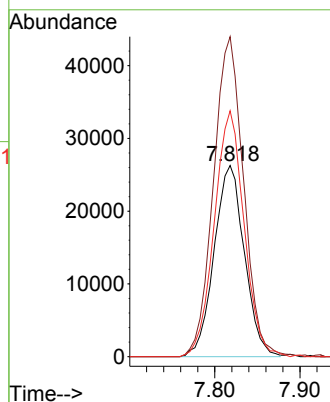
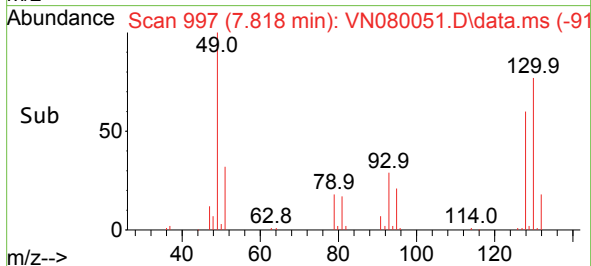


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

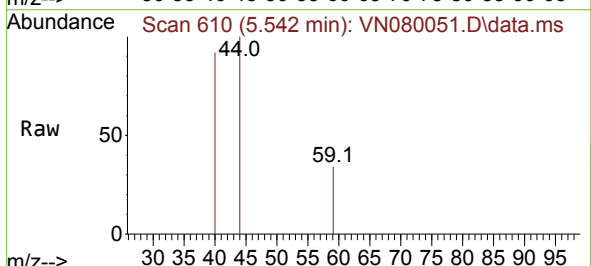
Instrument :
MSVOA_N
ClientSampleId :



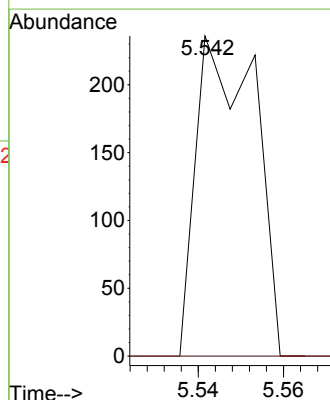
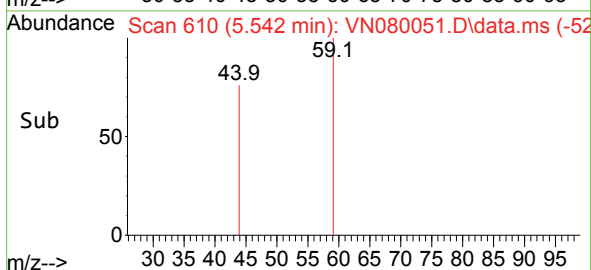
Tgt Ion:128 Resp: 64800
Ion Ratio Lower Upper
128 100
49 166.3 0.0 468.5
130 126.7 0.0 320.7

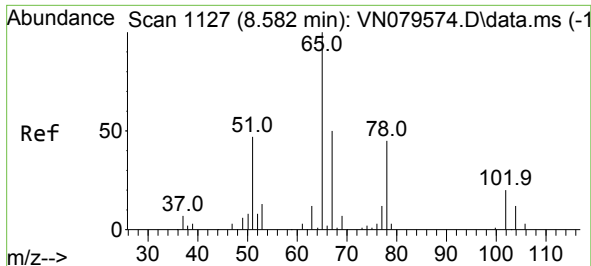


#23
tert-Butyl Alcohol
Concen: 0.408 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23



Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 29.328 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN080051.D

Acq: 10 Nov 2023 14:23

Instrument :

MSVOA_N

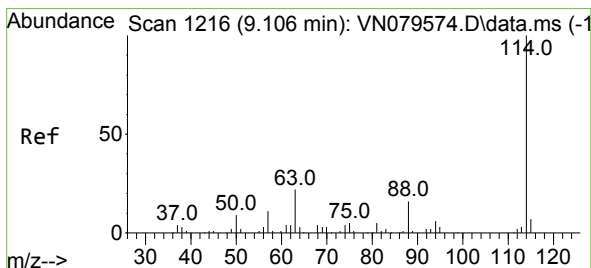
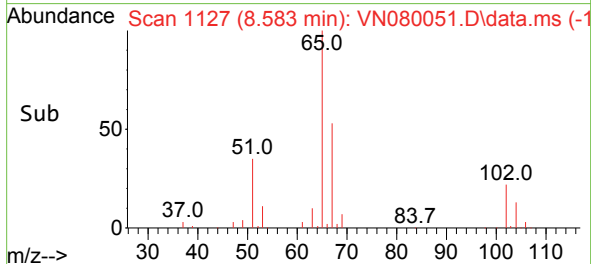
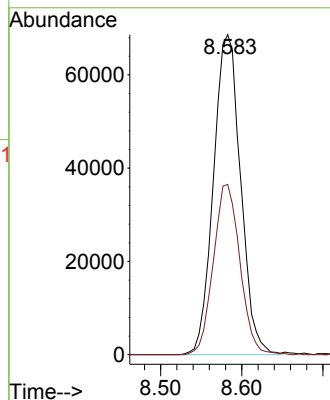
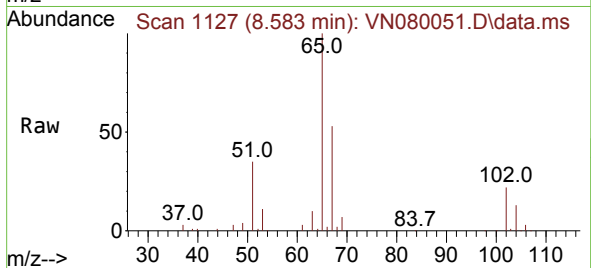
ClientSampleId :

Tgt Ion: 65 Resp: 159531

Ion Ratio Lower Upper

65 100

67 52.1 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080051.D

Acq: 10 Nov 2023 14:23

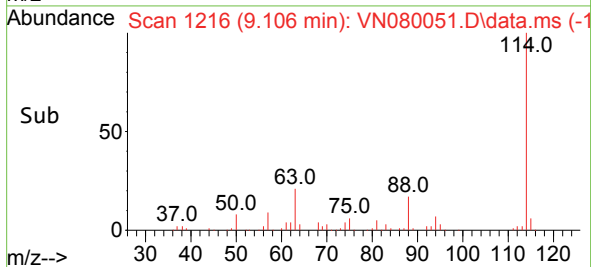
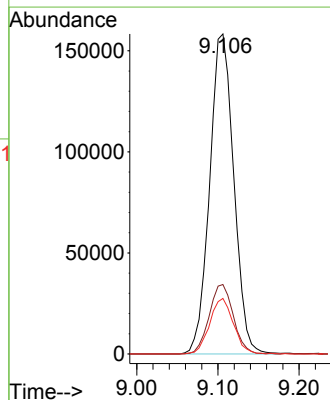
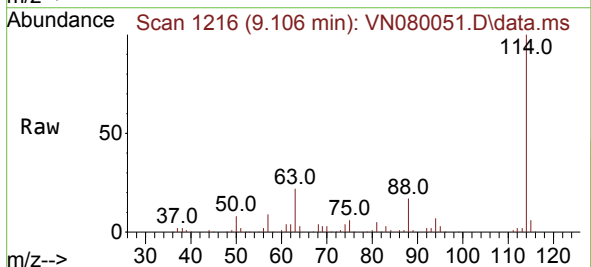
Tgt Ion: 114 Resp: 327195

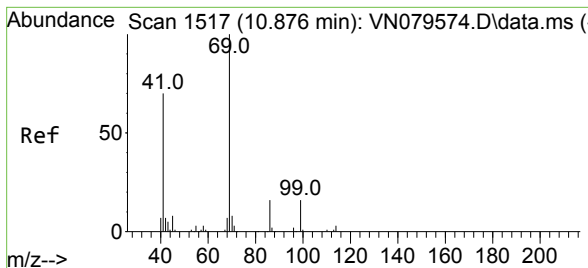
Ion Ratio Lower Upper

114 100

63 21.7 18.1 27.1

88 17.1 12.2 18.2

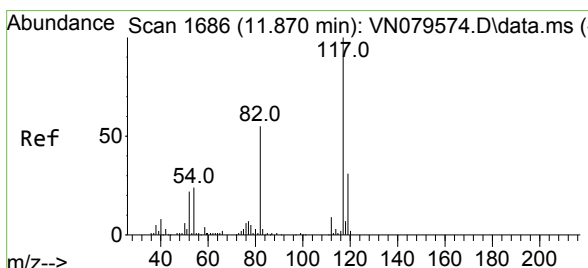
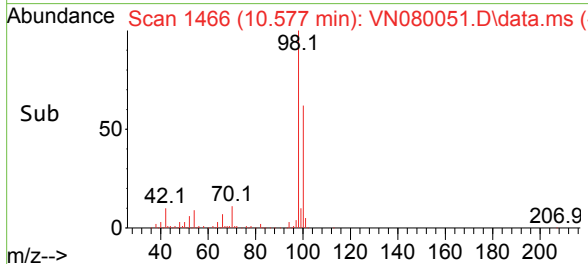
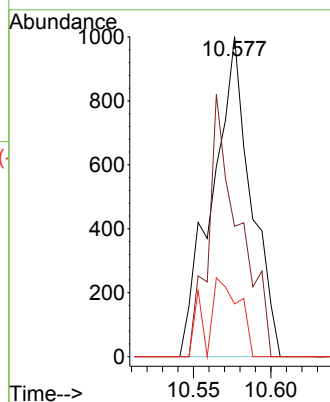
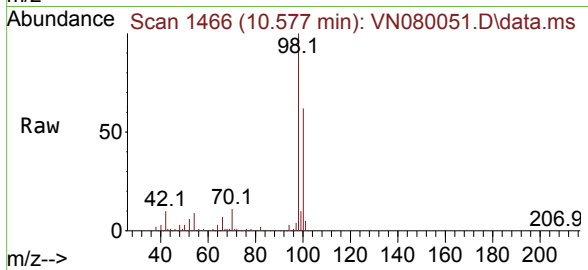




#51
Ethyl methacrylate
Concen: 0.311 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.299 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

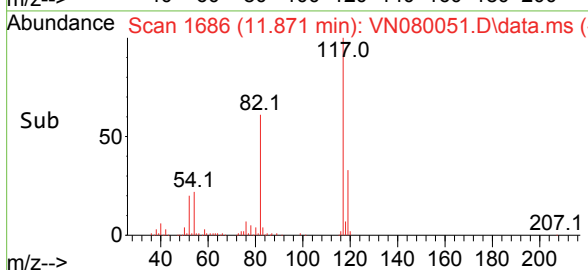
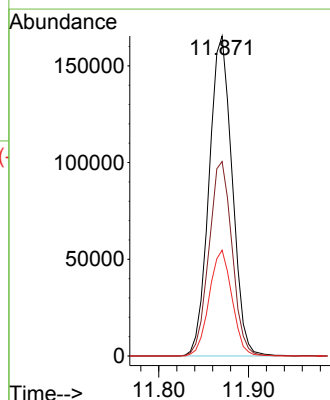
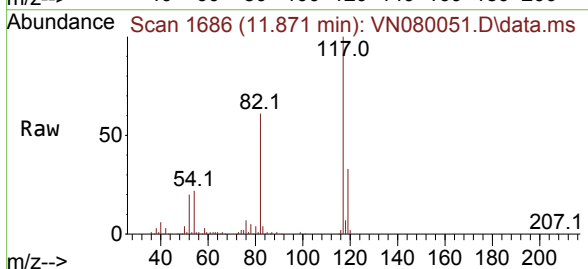
Instrument :
MSVOA_N
ClientSampleId :

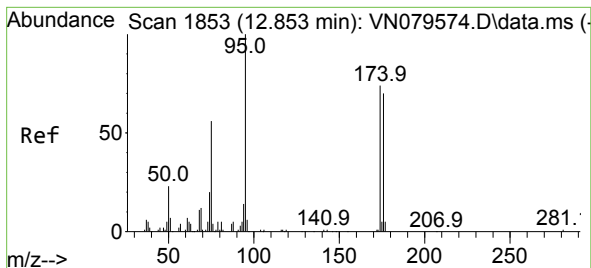
Tgt Ion: 69 Resp: 1738
Ion Ratio Lower Upper
69 100
41 40.8 33.8 101.3
39 16.5 21.3 63.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

Tgt Ion:117 Resp: 296239
Ion Ratio Lower Upper
117 100
82 60.9 46.2 69.2
119 32.6 25.2 37.8

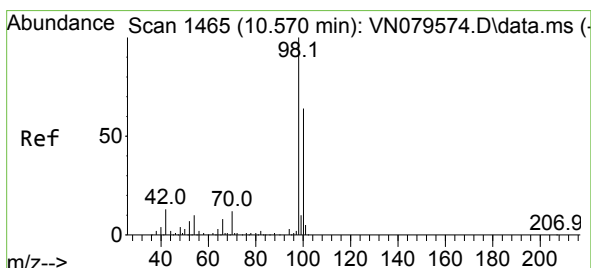
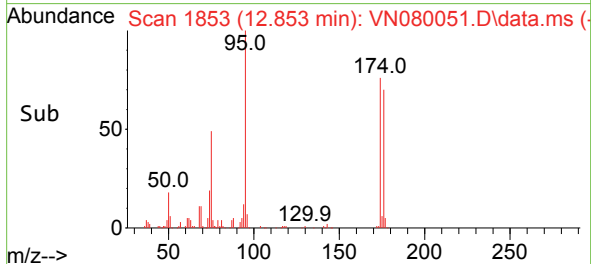
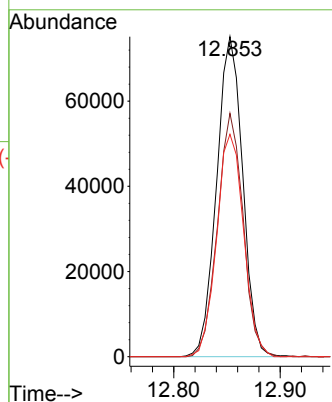
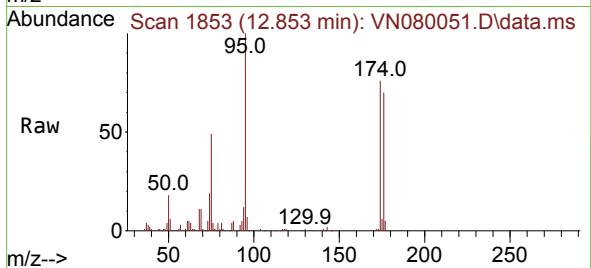




#60
4-Bromofluorobenzene
Concen: 26.943 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

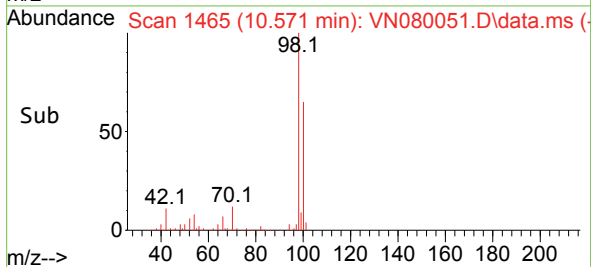
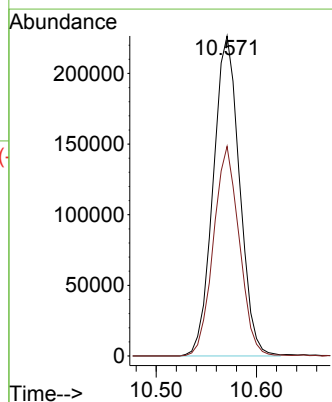
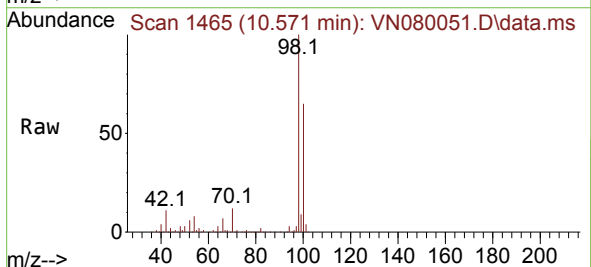
Instrument :
MSVOA_N
ClientSampleId :

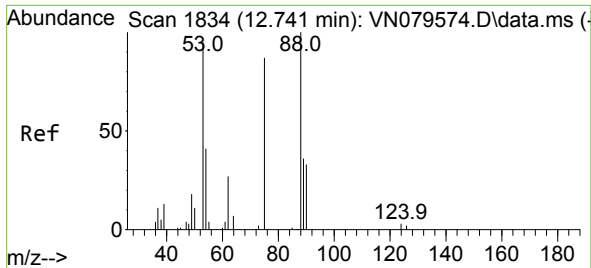
Tgt Ion: 95 Resp: 127638
Ion Ratio Lower Upper
95 100
174 74.7 60.5 90.7
176 71.9 57.2 85.8



#63
Toluene-d8
Concen: 29.389 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

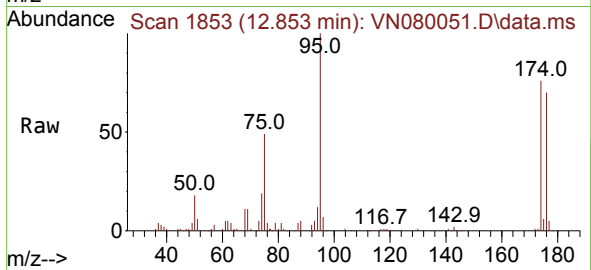
Tgt Ion: 98 Resp: 412516
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



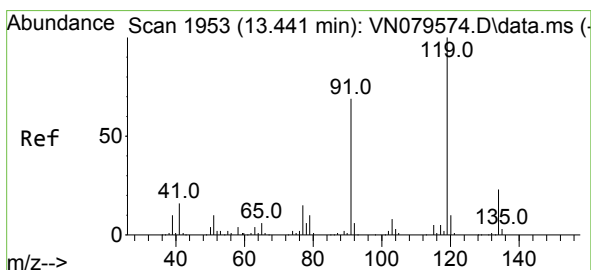
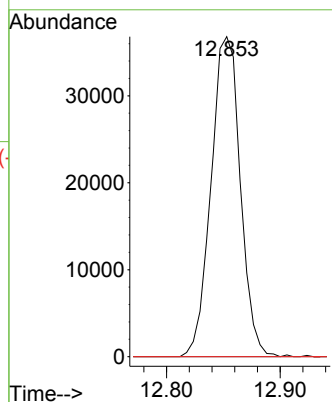
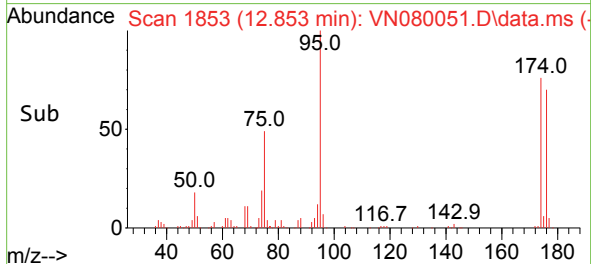


#77
t-1,4-Dichloro-2-butene
Concen: 39.672 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

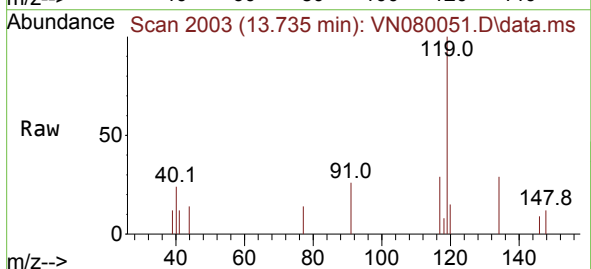
Instrument :
MSVOA_N
ClientSampleId :



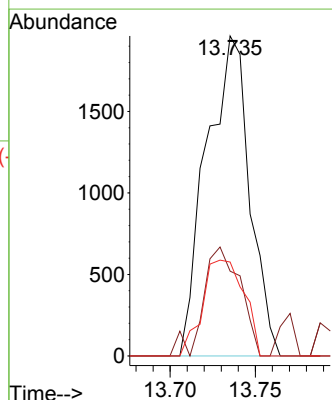
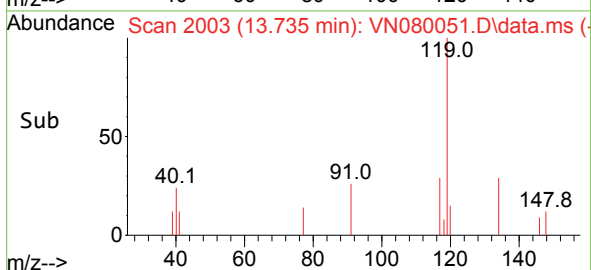
Tgt Ion: 75 Resp: 65884
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

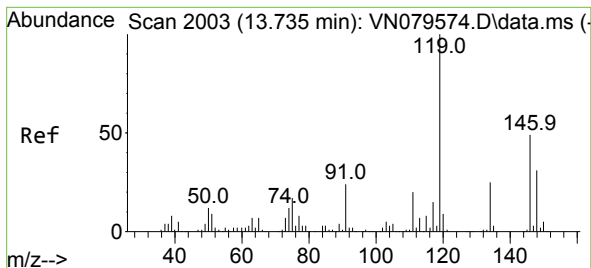


#79
tert-butylbenzene
Concen: 0.334 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.294 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23



Tgt Ion: 119 Resp: 3466
Ion Ratio Lower Upper
119 100
91 27.6 0.0 140.6
134 28.8 0.0 49.8





#82

p-Isopropyltoluene

Concen: 0.291 ug/l

RT: 13.735 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VN080051.D

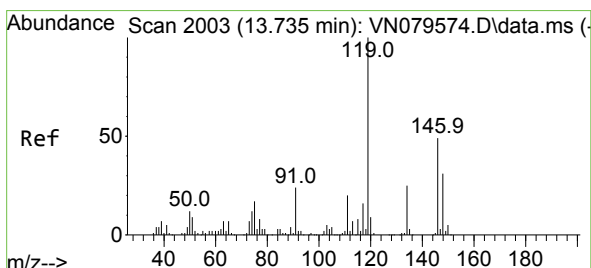
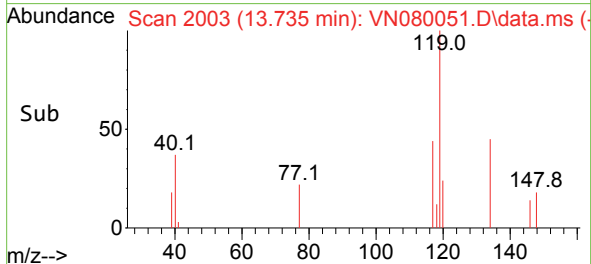
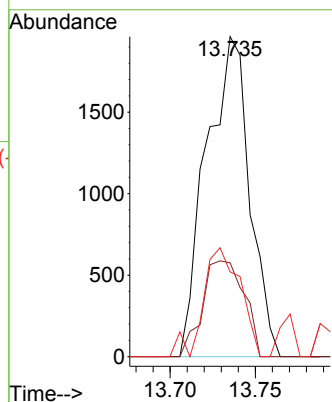
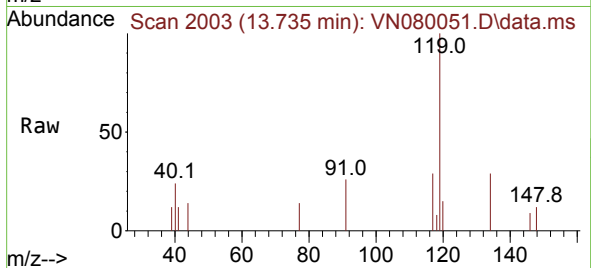
Acq: 10 Nov 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:119	Resp:	3466
Ion Ratio	Lower	Upper
119	100	
134	28.8	0.0 52.2
91	27.6	0.0 50.0



#83

1,3-Dichlorobenzene

Concen: 0.304 ug/l

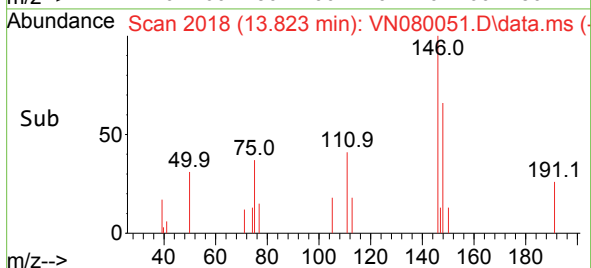
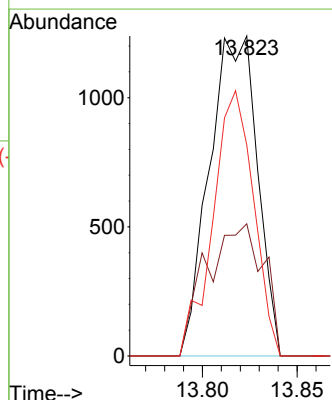
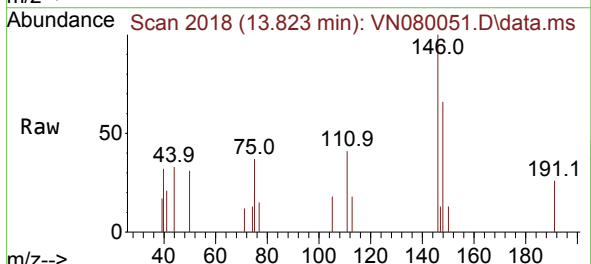
RT: 13.823 min Scan# 2018

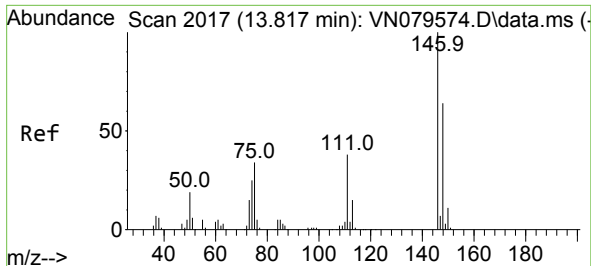
Delta R.T. 0.088 min

Lab File: VN080051.D

Acq: 10 Nov 2023 14:23

Tgt Ion:146	Resp:	2183
Ion Ratio	Lower	Upper
146	100	
111	49.2	21.0 63.0
148	70.4	32.4 97.0

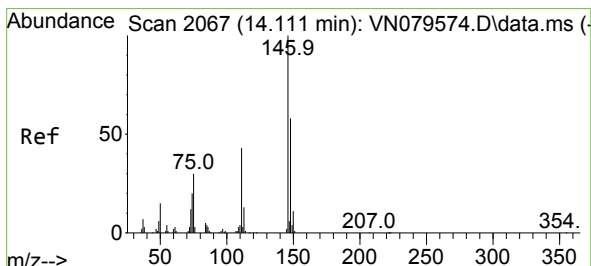
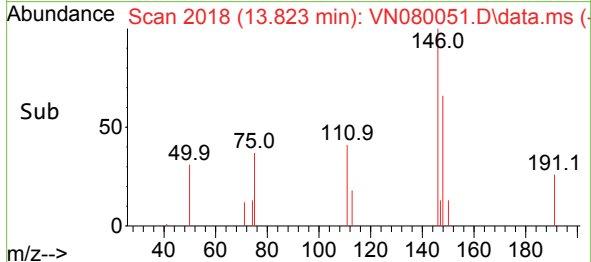
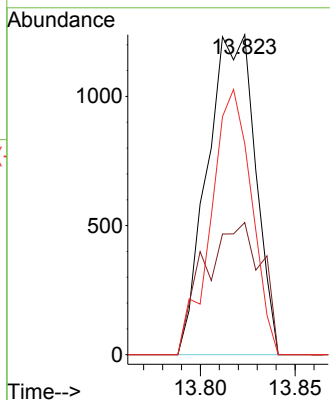
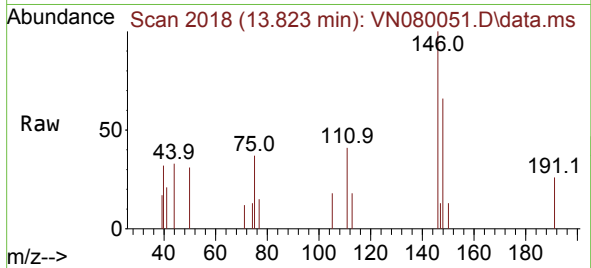




#84
1,4-Dichlorobenzene
Concen: 0.310 ug/l
RT: 13.823 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

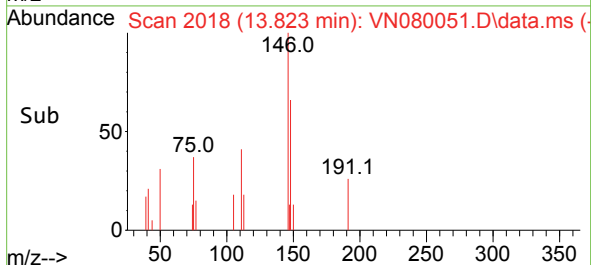
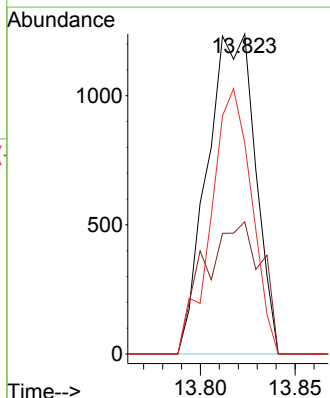
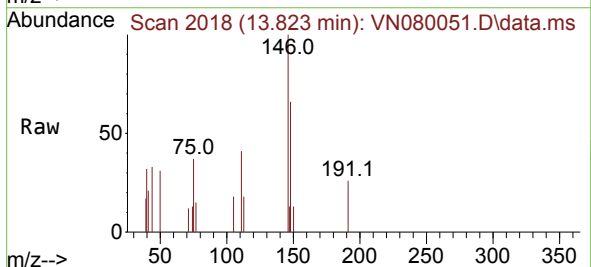
Instrument :
MSVOA_N
ClientSampleId :

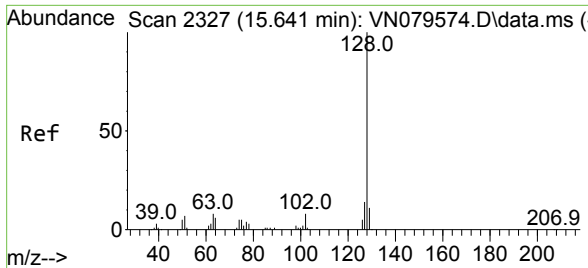
Tgt Ion:146 Resp: 2183
Ion Ratio Lower Upper
146 100
111 49.2 19.9 59.7
148 70.4 32.6 97.7



#87
1,2-Dichlorobenzene
Concen: 0.318 ug/l
RT: 13.823 min Scan# 2018
Delta R.T. -0.288 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

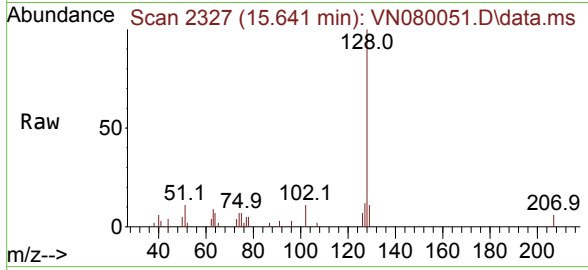
Tgt Ion:146 Resp: 2183
Ion Ratio Lower Upper
146 100
111 49.2 22.0 66.0
148 70.4 31.1 93.5





#91
Naphthalene
Concen: 1.704 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.9	16.3#
129	7.0	8.6	12.8#

