

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079589.D
 Acq On : 17 Oct 2023 18:21
 Operator : JC\MD
 Sample : 04934-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:33:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

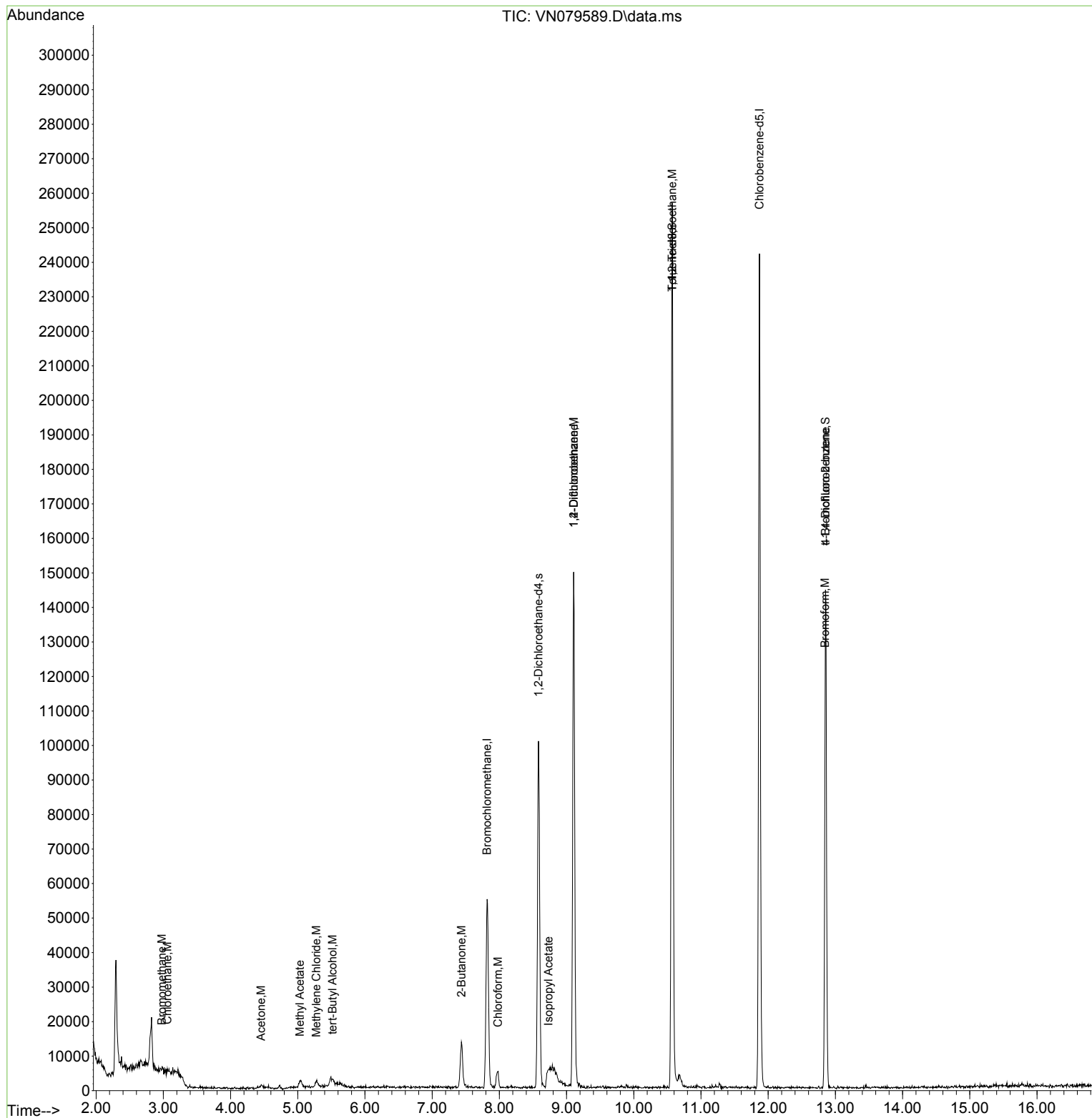
Internal Standards						
1) Bromochloromethane	7.818	128	18802	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	123476	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	139995	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	81584	30.519	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.733%
60) 4-Bromofluorobenzene	12.853	95	50843	19.860	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	66.200%
63) Toluene-d8	10.570	98	178394	29.738	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.133%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	527	0.223	ug/l	80
6) Chloroethane	3.059	64	1304	0.486	ug/l	98
12) Methyl Acetate	5.030	43	2620	0.429	ug/l #	53
15) Acetone	4.453	58	314	0.678	ug/l #	1
18) Methylene Chloride	5.277	84	688	0.221	ug/l #	61
23) tert-Butyl Alcohol	5.518	59	1076	2.200	ug/l #	100
25) Chloroform	7.977	83	5138	0.904	ug/l #	80
30) 2-Butanone	7.435	43	477	0.264	ug/l #	56
36) 1,2-Dichloroethane	9.106	62	4524	1.156	ug/l #	75
44) Isopropyl Acetate	8.729	43	4381	0.725	ug/l	94
50) 1,1,2-Trichloroethane	10.570	97	6464	2.454	ug/l #	1
56) Bromoform	12.847	173	611	0.343	ug/l #	38
77) t-1,4-Dichloro-2-butene	12.853	75	28501	28.911	ug/l #	7

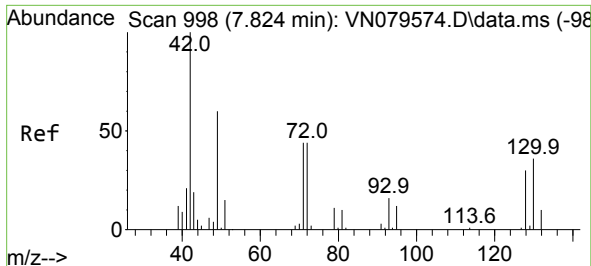
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
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Sample : 04934-01 10X
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MSVOA_N
ClientSampleId :

Quant Time: Oct 18 02:33:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration

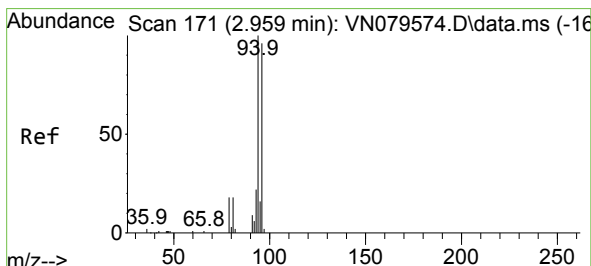
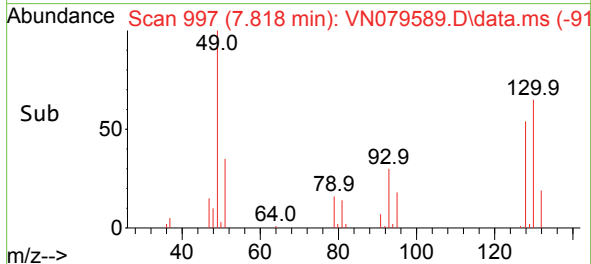
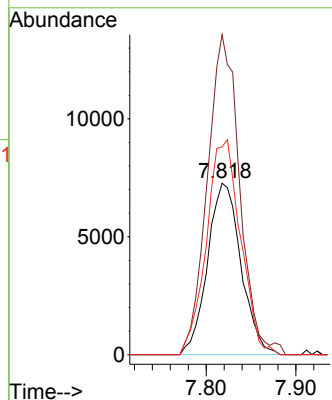
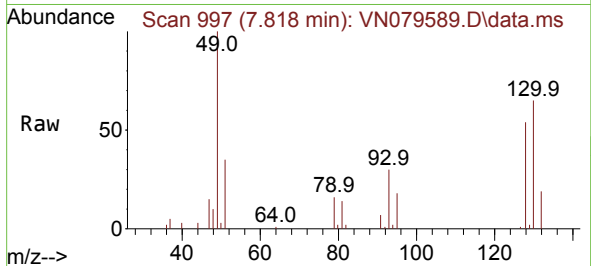




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

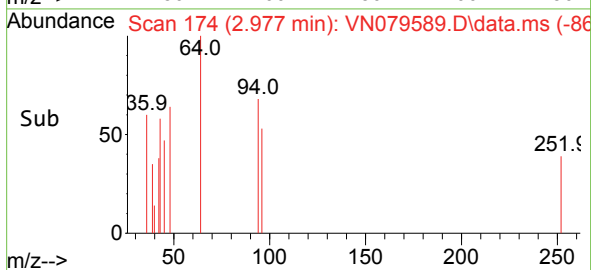
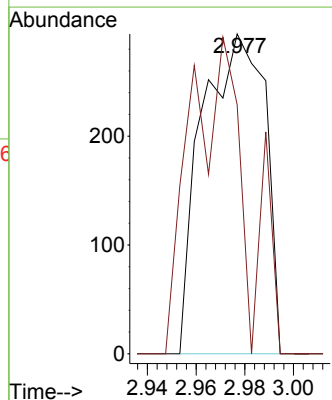
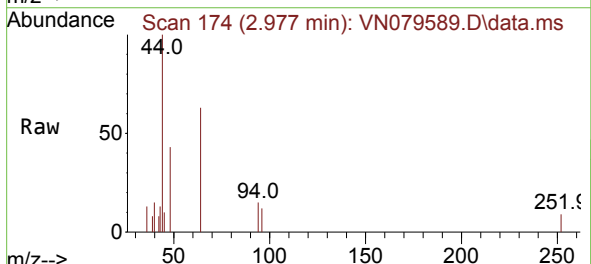
Instrument :
MSVOA_N
ClientSampleId :

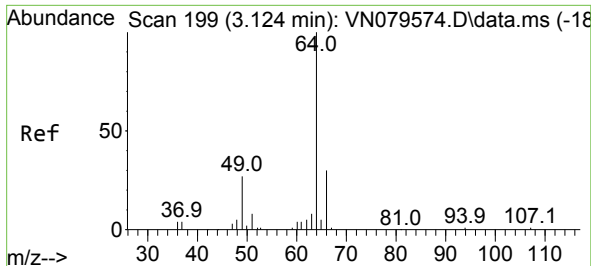
Tgt Ion:128 Resp: 18802
Ion Ratio Lower Upper
128 100
49 178.8 0.0 468.5
130 128.0 0.0 320.7



#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.018 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

Tgt Ion: 94 Resp: 527
Ion Ratio Lower Upper
94 100
96 77.9 77.8 116.6

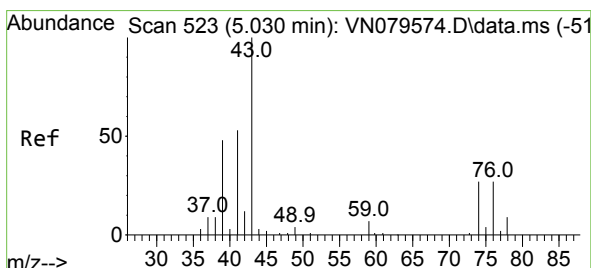
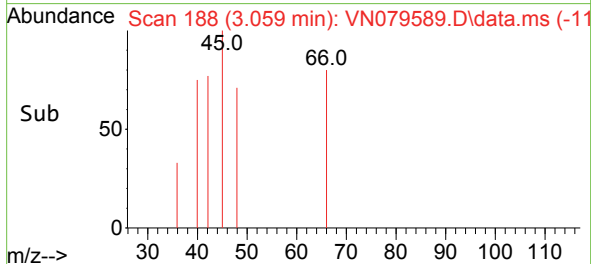
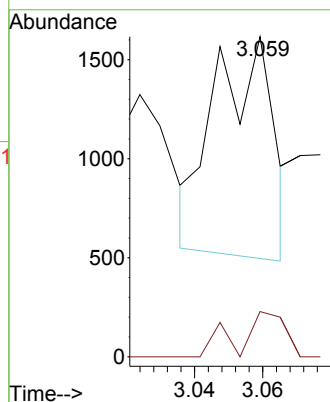
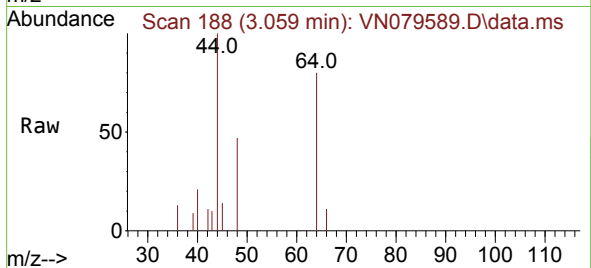




#6
Chloroethane
Concen: 0.486 ug/l
RT: 3.059 min Scan# 11
Delta R.T. -0.065 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

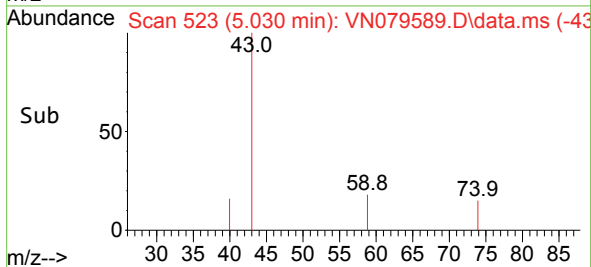
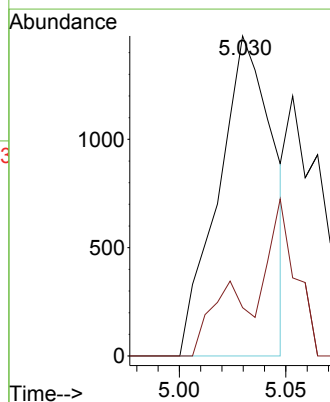
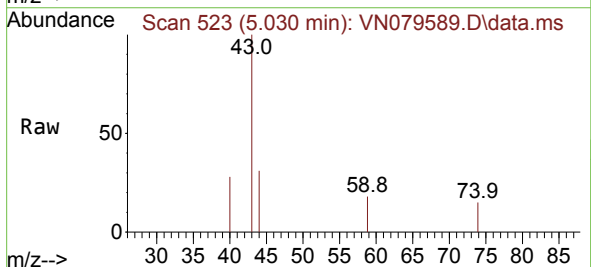
Instrument :
MSVOA_N
ClientSampleId :

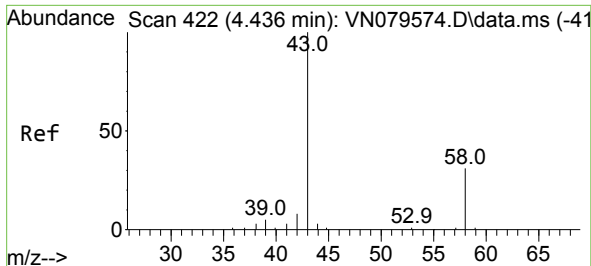
Tgt Ion: 64 Resp: 1304
Ion Ratio Lower Upper
64 100
66 30.4 23.3 34.9



#12
Methyl Acetate
Concen: 0.429 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

Tgt Ion: 43 Resp: 2620
Ion Ratio Lower Upper
43 100
74 0.0 18.1 27.1#





#15

Acetone

Concen: 0.678 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN079589.D

Acq: 17 Oct 2023 18:21

Instrument :

MSVOA_N

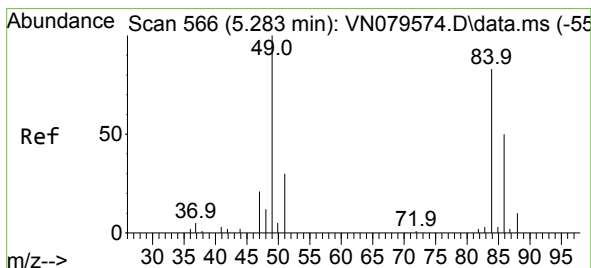
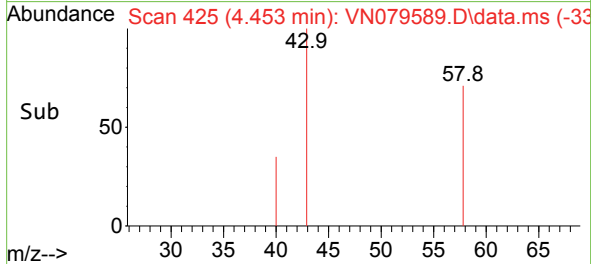
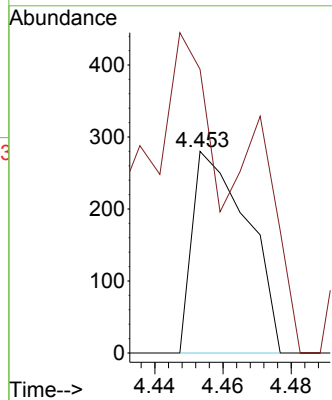
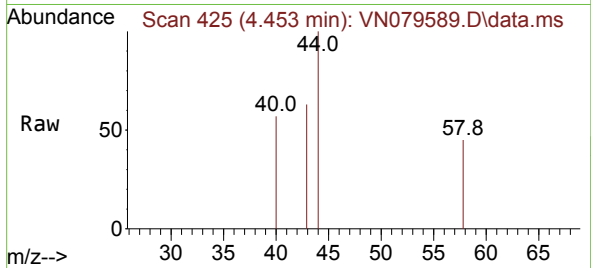
ClientSampleId :

Tgt Ion: 58 Resp: 314

Ion Ratio Lower Upper

58 100

43 80.0 225.2 337.8#



#18

Methylene Chloride

Concen: 0.221 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN079589.D

Acq: 17 Oct 2023 18:21

Tgt Ion: 84 Resp: 688

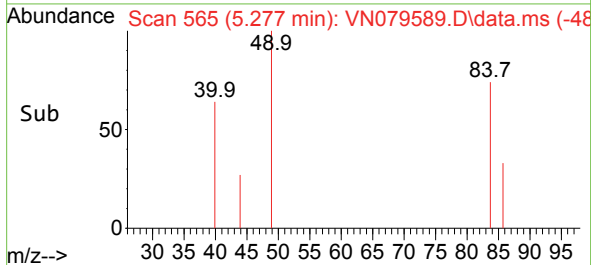
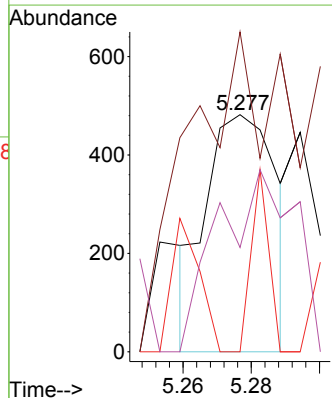
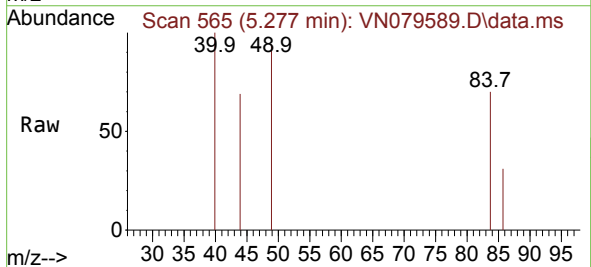
Ion Ratio Lower Upper

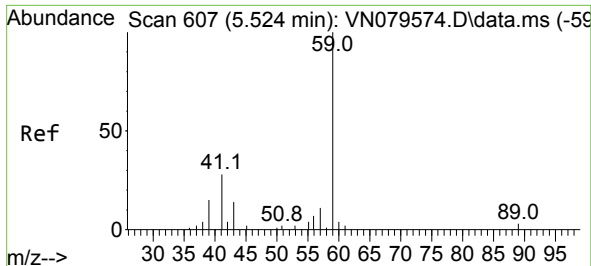
84 100

49 80.8 100.9 151.3#

51 0.0 29.4 44.2#

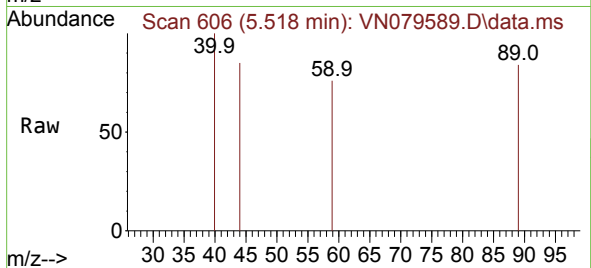
86 79.7 48.2 72.4#



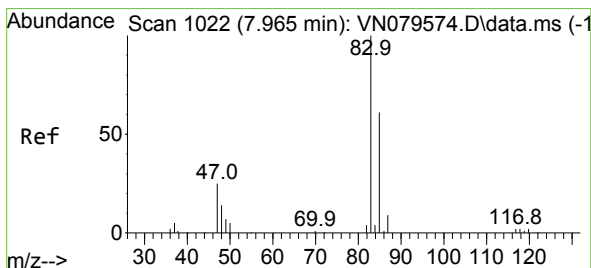
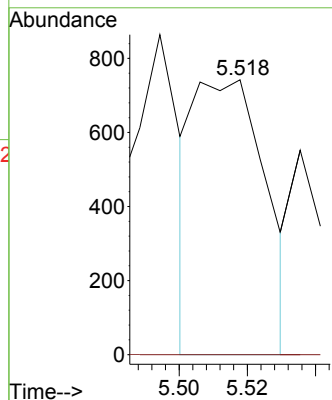
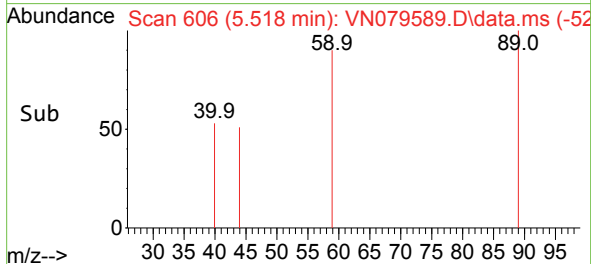


#23
tert-Butyl Alcohol
Concen: 2.200 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

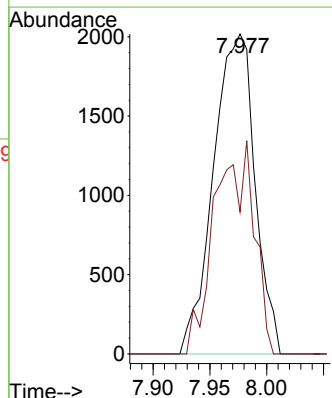
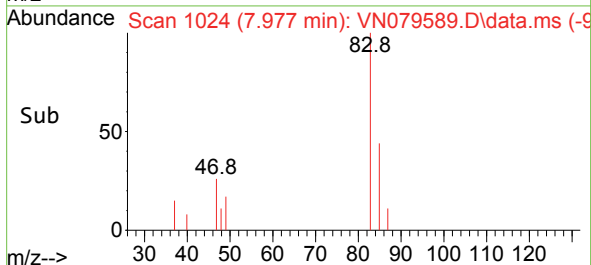
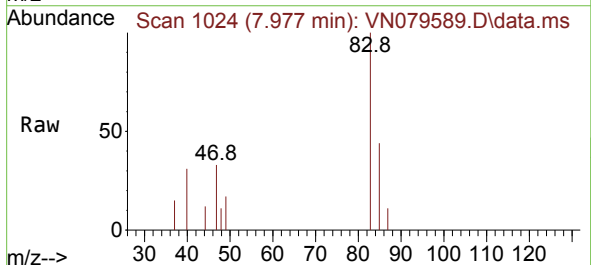


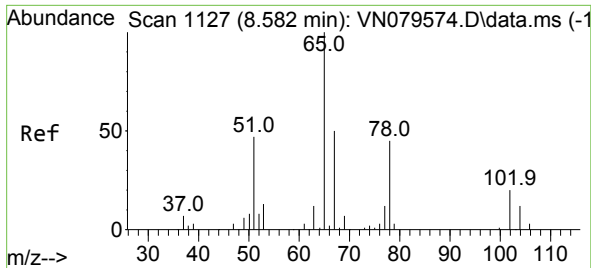
Tgt Ion: 59 Resp: 1076
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.904 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.012 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

Tgt Ion: 83 Resp: 5138
Ion Ratio Lower Upper
83 100
85 44.4 47.4 71.2#

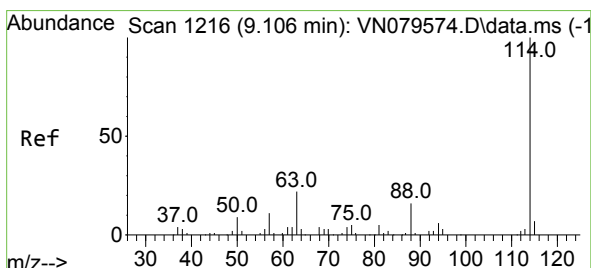
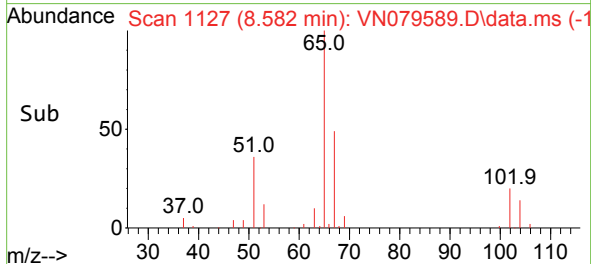
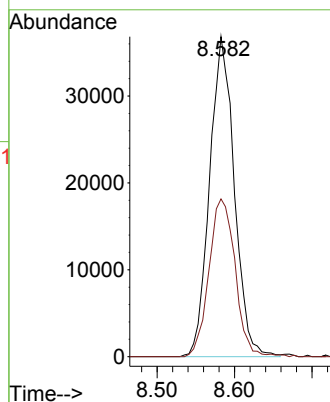
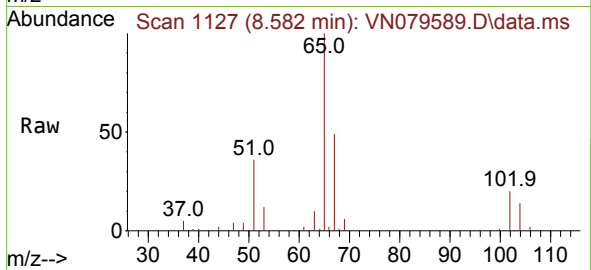




#27
1,2-Dichloroethane-d4
Concen: 30.519 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

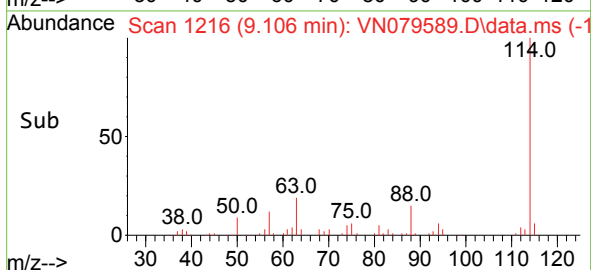
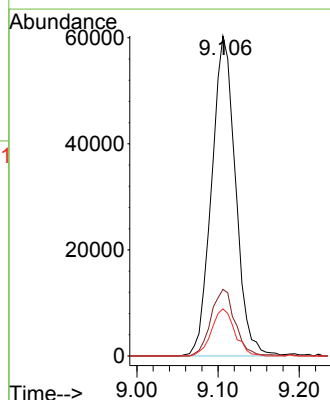
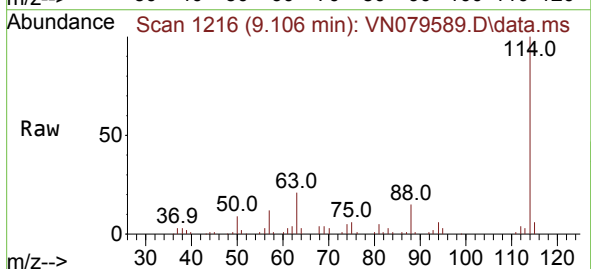
Instrument :
MSVOA_N
ClientSampleId :

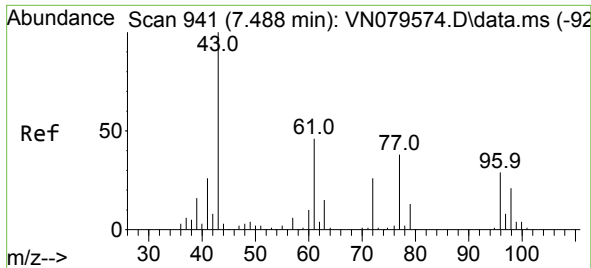
Tgt Ion: 65 Resp: 81584
Ion Ratio Lower Upper
65 100
67 51.9 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

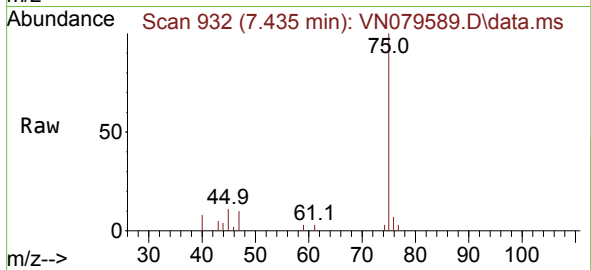
Tgt Ion: 114 Resp: 123476
Ion Ratio Lower Upper
114 100
63 20.9 18.1 27.1
88 14.3 12.2 18.2



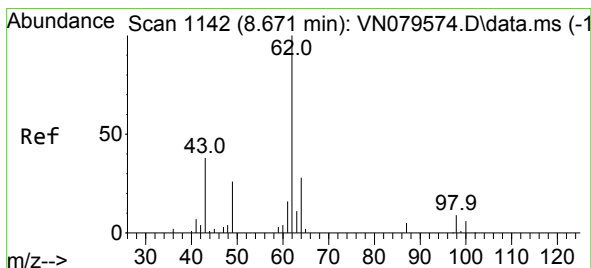
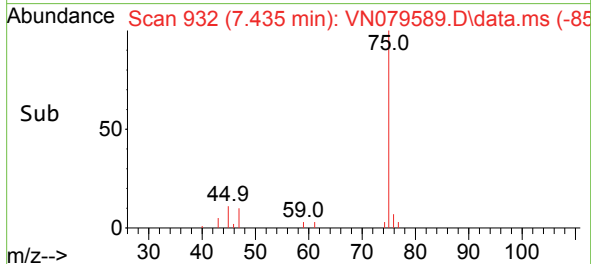
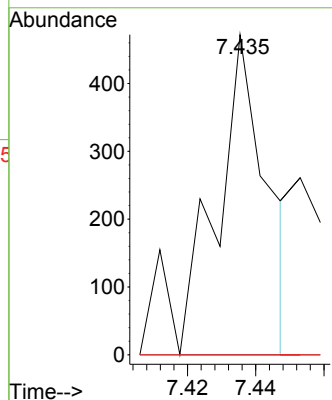


#30
2-Butanone
Concen: 0.264 ug/l
RT: 7.435 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

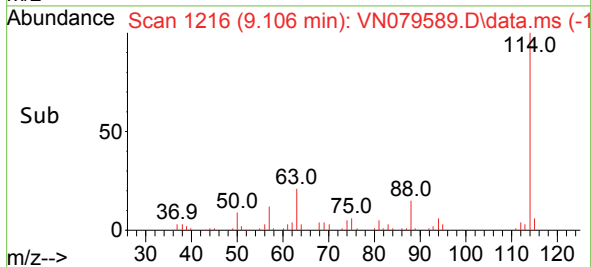
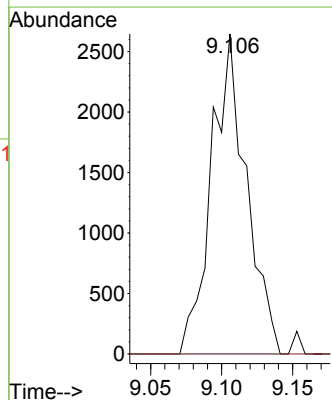
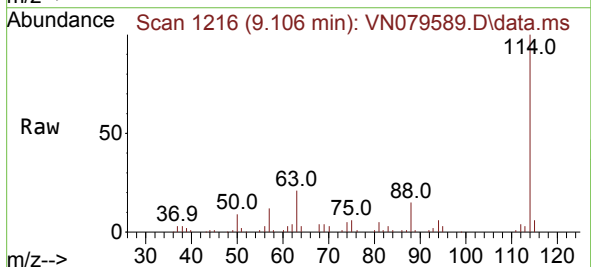


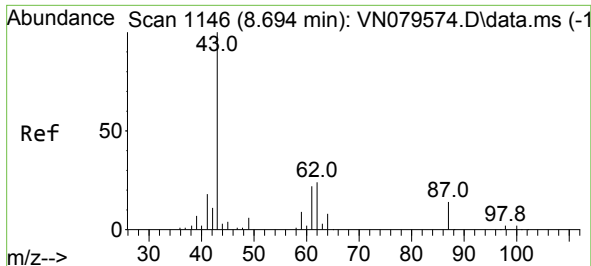
Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
57 0.0 6.4 9.6#
72 0.0 20.7 31.1#



#36
1,2-Dichloroethane
Concen: 1.156 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

Tgt Ion: 62 Resp: 4524
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#

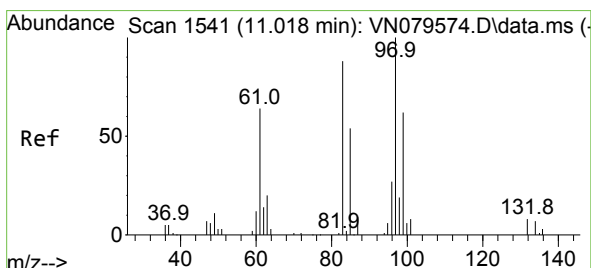
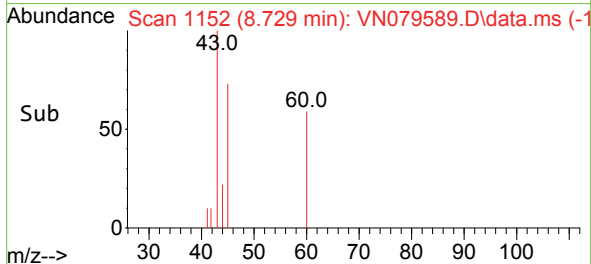
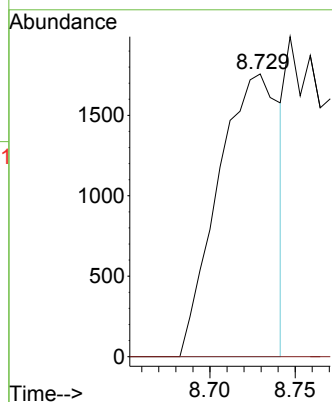
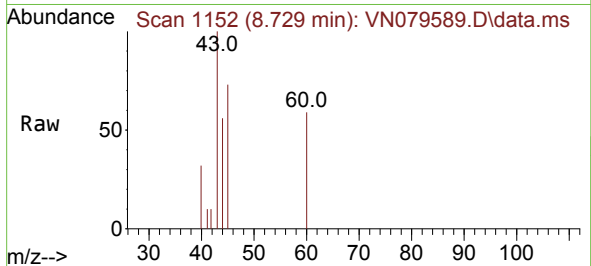




#44
Isopropyl Acetate
Concen: 0.725 ug/l
RT: 8.729 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

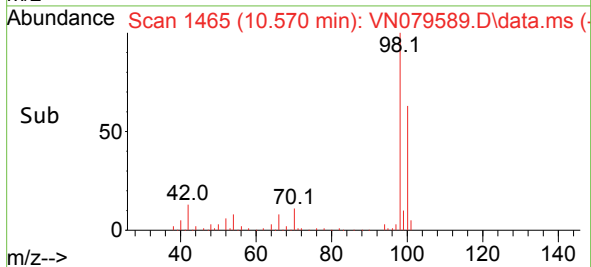
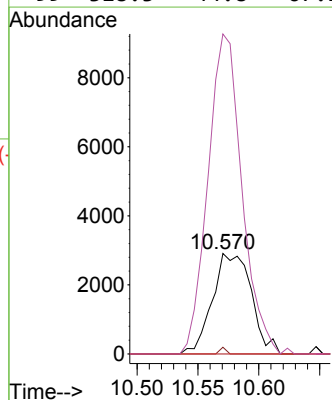
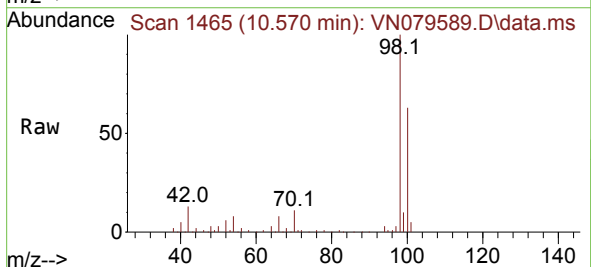
Instrument :
MSVOA_N
ClientSampleId :

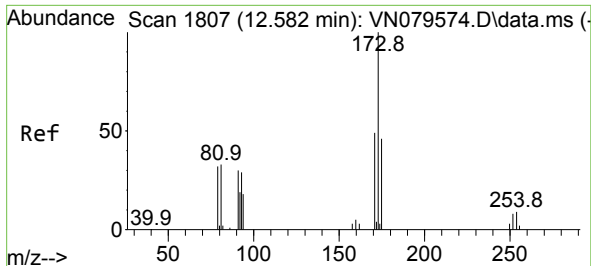
Tgt Ion: 43 Resp: 4381
Ion Ratio Lower Upper
43 100
61 22.2 20.3 30.5



#50
1,1,2-Trichloroethane
Concen: 2.454 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

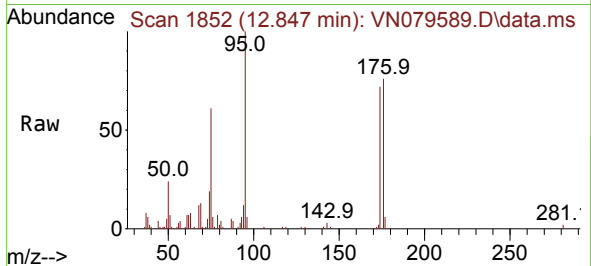
Tgt Ion: 97 Resp: 6464
Ion Ratio Lower Upper
97 100
83 6.8 68.2 102.4#
85 0.0 42.9 64.3#
99 318.3 44.8 67.2#



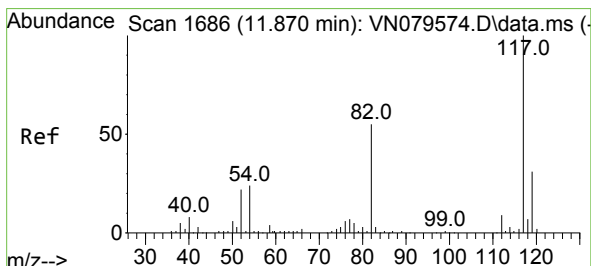
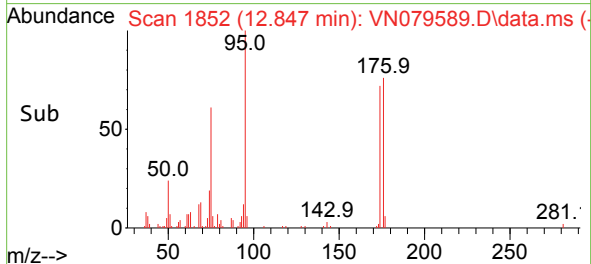
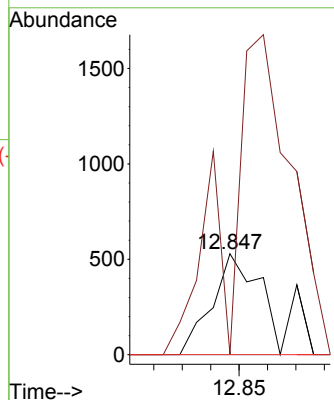


#56
Bromoform
Concen: 0.343 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

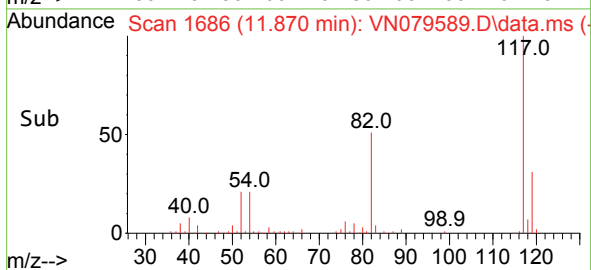
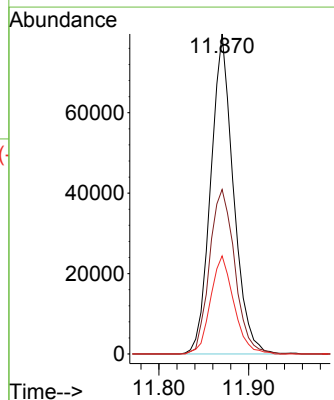
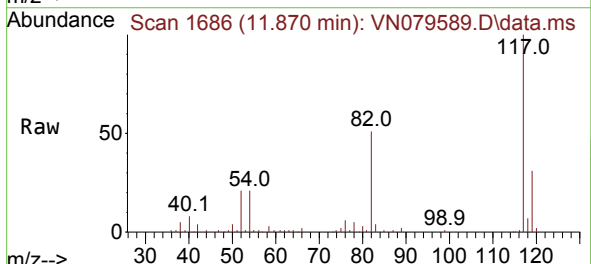


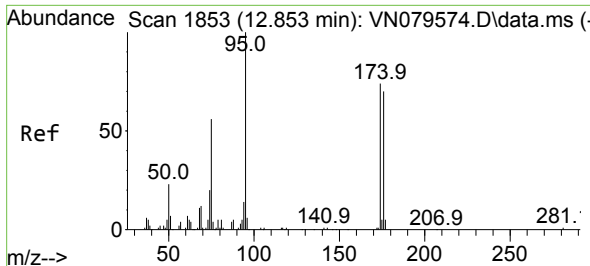
Tgt Ion:173 Resp: 611
Ion Ratio Lower Upper
173 100
175 93.9 37.9 56.9#
254 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

Tgt Ion:117 Resp: 139995
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.2
119 31.5 25.2 37.8

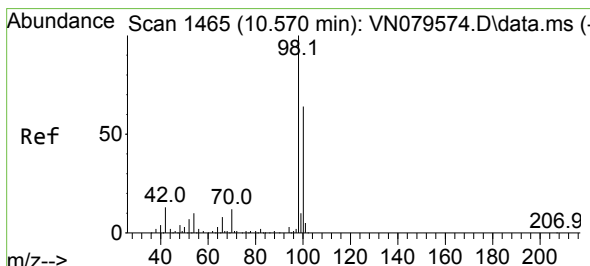
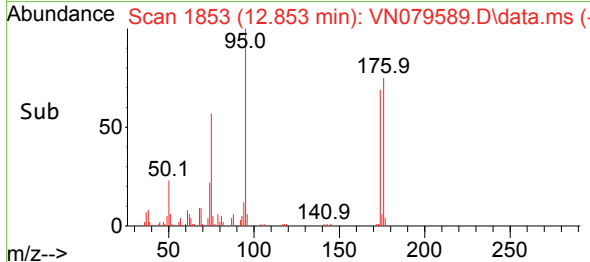
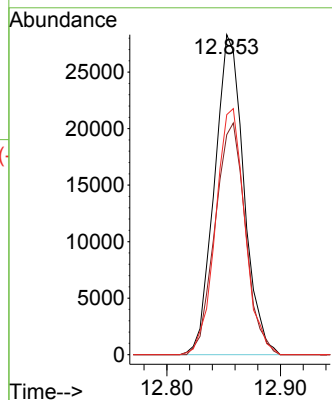
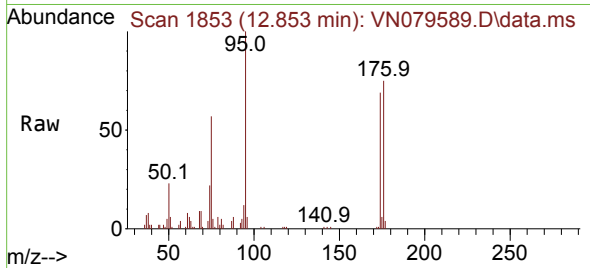




#60
4-Bromofluorobenzene
Concen: 19.860 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

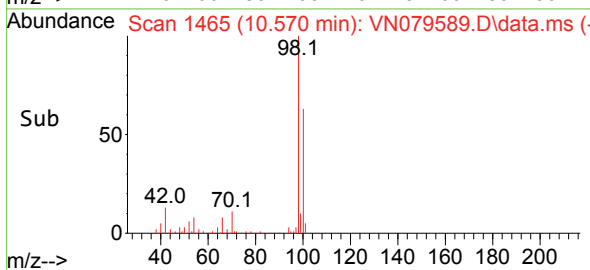
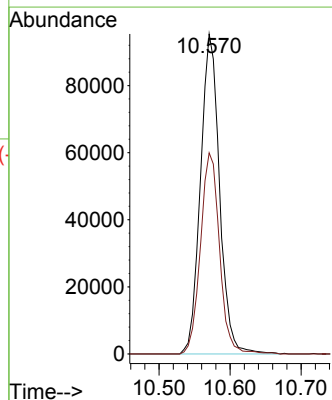
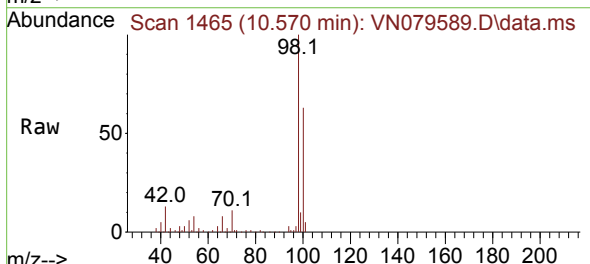
Instrument :
MSVOA_N
ClientSampleId :

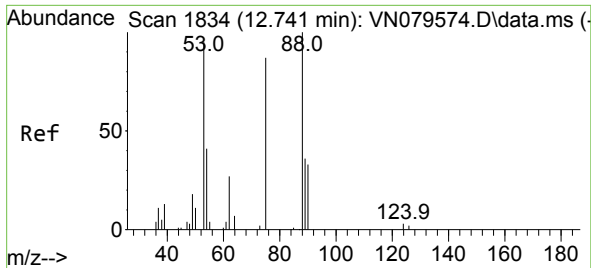
Tgt Ion: 95 Resp: 50843
Ion Ratio Lower Upper
95 100
174 74.9 60.5 90.7
176 76.6 57.2 85.8



#63
Toluene-d8
Concen: 29.738 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079589.D
Acq: 17 Oct 2023 18:21

Tgt Ion: 98 Resp: 178394
Ion Ratio Lower Upper
98 100
100 62.2 51.6 77.4





#77

t-1,4-Dichloro-2-butene

Concen: 28.911 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.112 min

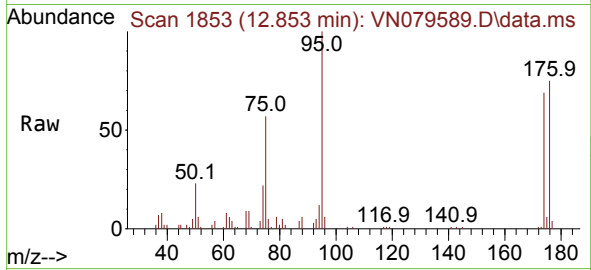
Lab File: VN079589.D

Acq: 17 Oct 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 28501

Ion Ratio Lower Upper

75 100

53 0.0 53.0 159.1#

89 0.0 22.6 67.7#

