

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060823\
 Data File : VN078129.D
 Acq On : 08 Jun 2023 15:00
 Operator : JC\MD
 Sample : 03072-04 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30998

Quant Time: Jun 09 01:27:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

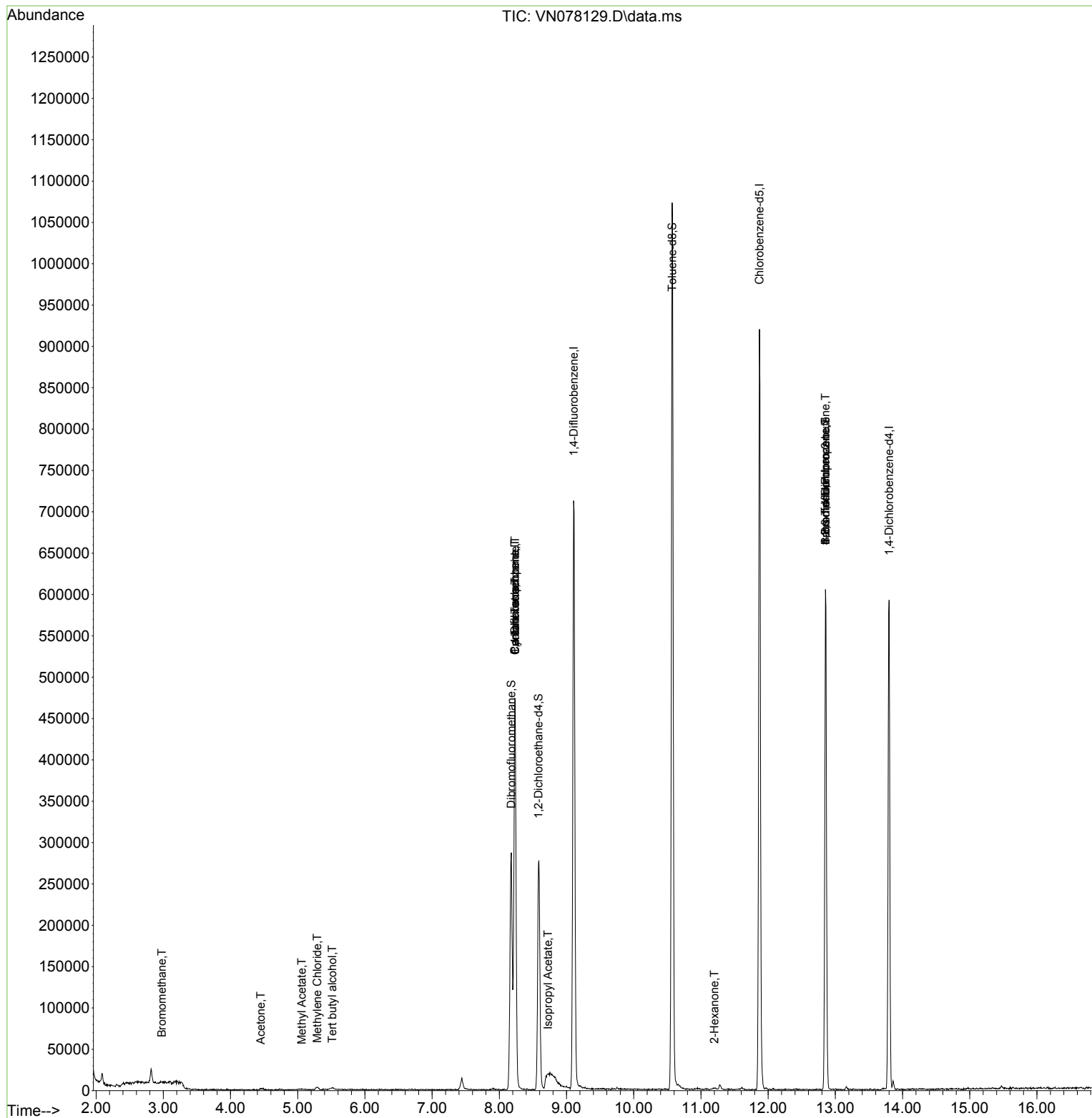
Internal Standards						
1) Pentafluorobenzene	8.230	168	341416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	639124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	552593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	166362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	236536	51.962	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.920%	
35) Dibromofluoromethane	8.177	113	202777	50.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.360%	
50) Toluene-d8	10.571	98	778866	49.995	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.000%	
62) 4-Bromofluorobenzene	12.853	95	218207	45.055	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	896	Below Cal	#	70
5) Bromomethane	2.977	94	1060	0.278	ug/l #	57
11) Tert butyl alcohol	5.512	59	766	1.219	ug/l #	72
16) Acetone	4.448	43	1792	1.368	ug/l #	40
18) Methyl Acetate	5.059	43	2082	0.345	ug/l #	47
20) Methylene Chloride	5.289	84	2267	0.524	ug/l #	76
31) Cyclohexane	8.236	56	8910	1.526	ug/l #	23
36) 1,1-Dichloropropene	8.230	75	29628	5.111	ug/l #	46
38) Carbon Tetrachloride	8.236	117	37338	6.100	ug/l #	14
43) Isopropyl Acetate	8.724	43	16372	1.891	ug/l #	49
59) 2-Hexanone	11.200	43	1664	0.524	ug/l #	19
71) Bromoform	12.853	173	1060	0.377	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.871	83	86	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	117329	29.833	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	117329	91.656	ug/l #	15

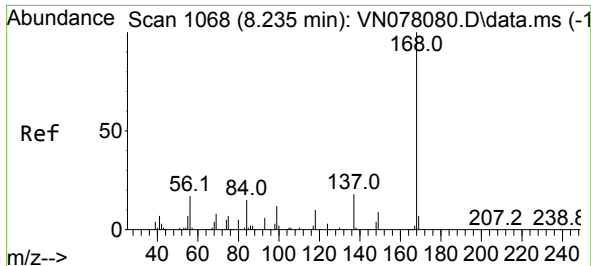
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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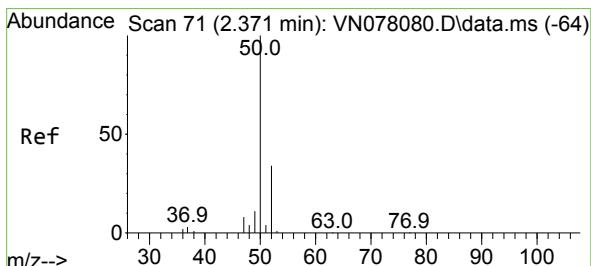
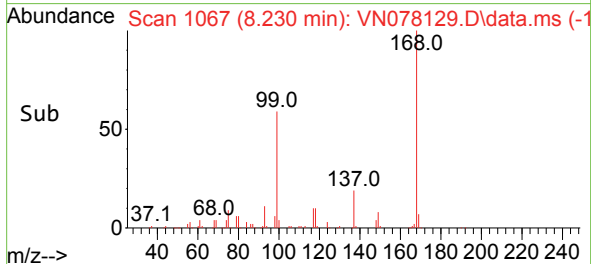
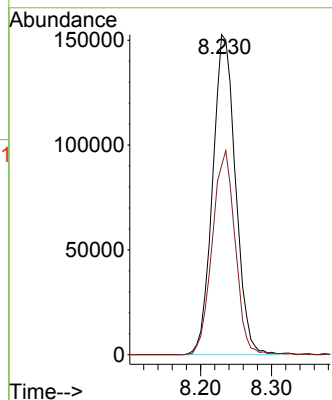
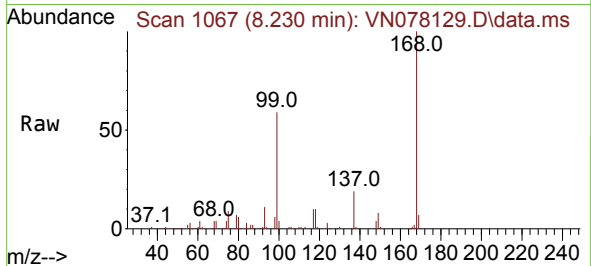




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

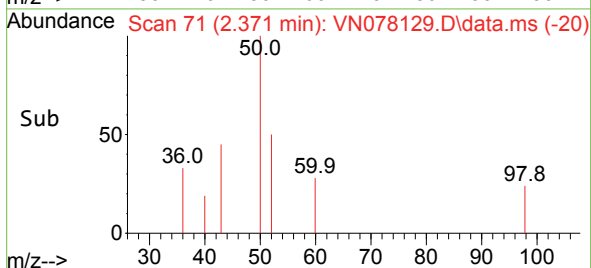
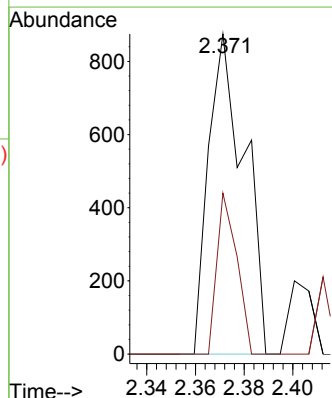
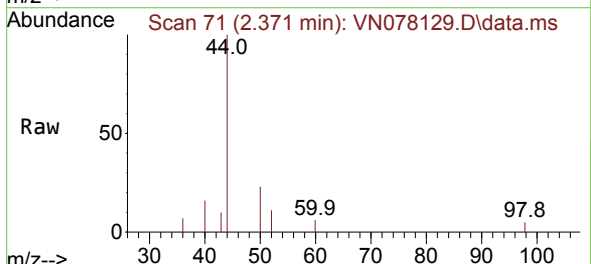
Instrument :
MSVOA_N
ClientSampleId :
30998

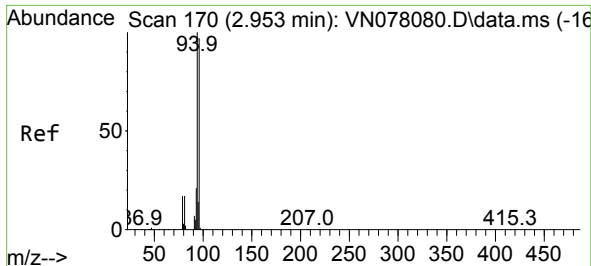
Tgt Ion:168 Resp: 341416
Ion Ratio Lower Upper
168 100
99 59.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

Tgt Ion: 50 Resp: 896
Ion Ratio Lower Upper
50 100
52 50.3 26.5 39.7#

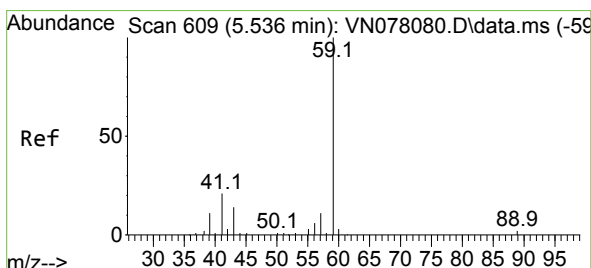
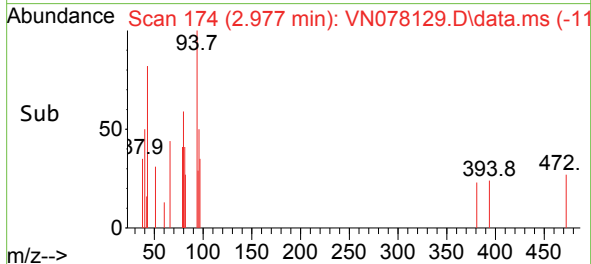
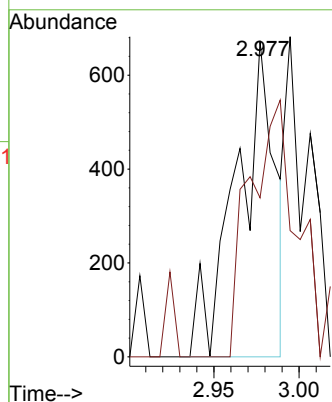
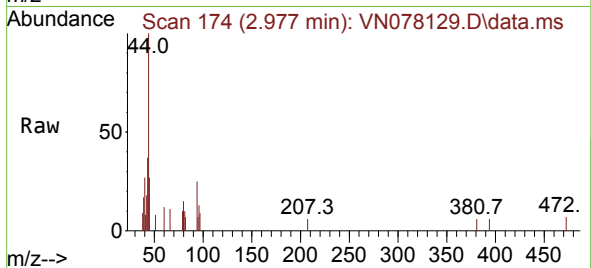




#5
Bromomethane
Concen: 0.278 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

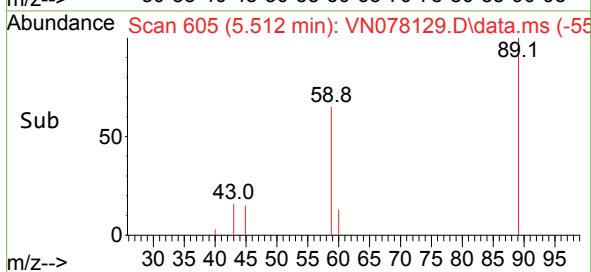
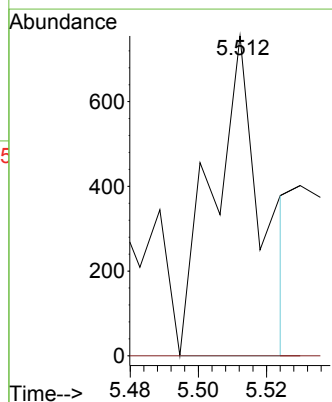
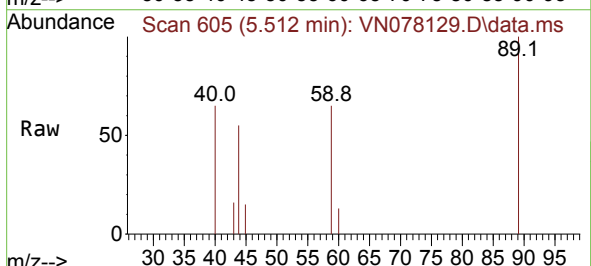
Instrument :
MSVOA_N
ClientSampleId :
30998

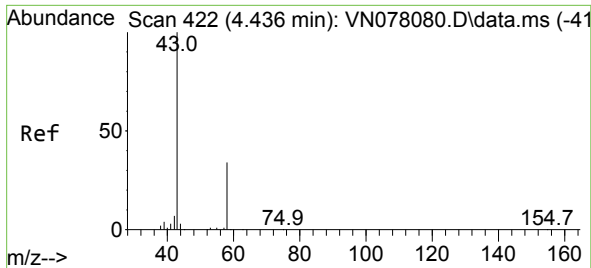
Tgt Ion: 94 Resp: 1060
Ion Ratio Lower Upper
94 100
96 50.4 73.1 109.7#



#11
Tert butyl alcohol
Concen: 1.219 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.023 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

Tgt Ion: 59 Resp: 766
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.368 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN078129.D

Acq: 08 Jun 2023 15:00

Instrument :

MSVOA_N

ClientSampleId :

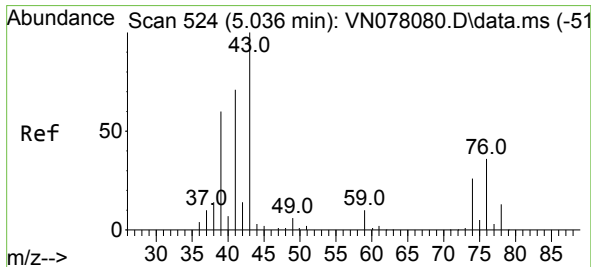
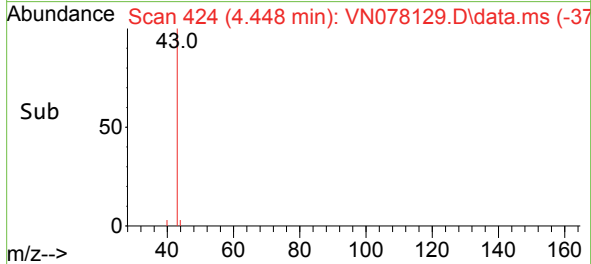
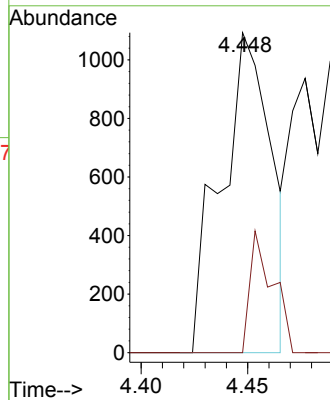
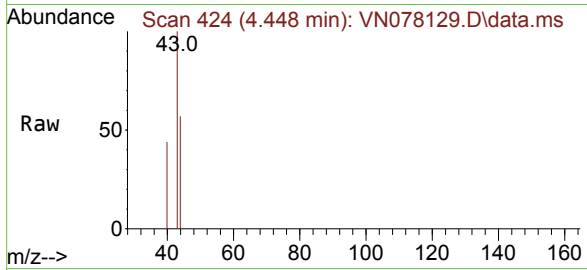
30998

Tgt Ion: 43 Resp: 1792

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#18

Methyl Acetate

Concen: 0.345 ug/l

RT: 5.059 min Scan# 528

Delta R.T. 0.024 min

Lab File: VN078129.D

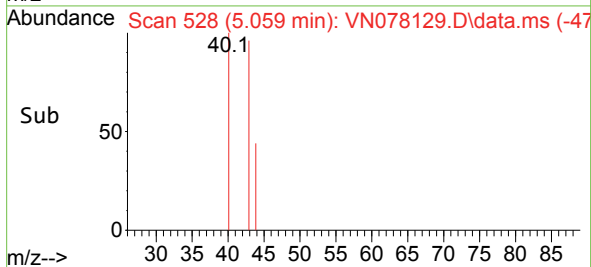
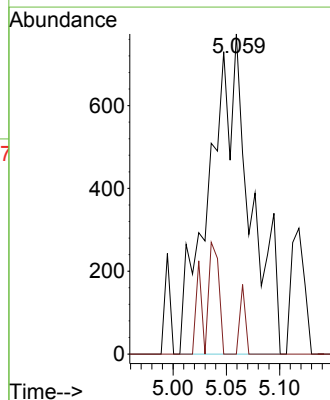
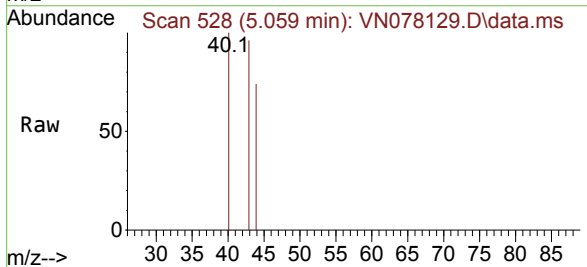
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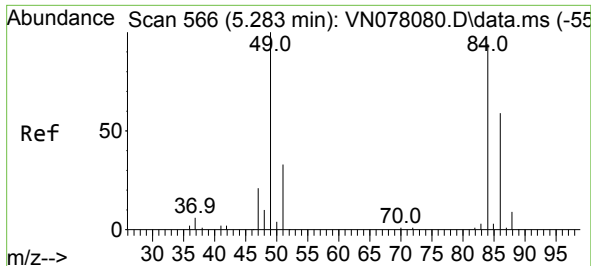
Tgt Ion: 43 Resp: 2082

Ion Ratio Lower Upper

43 100

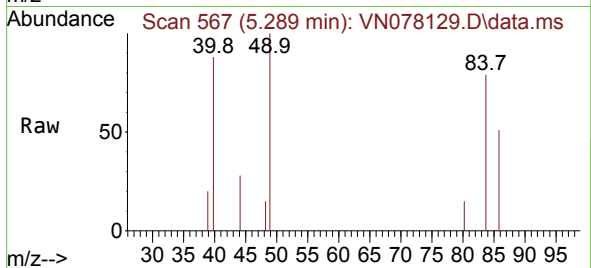
74 2.8 26.2 39.4#



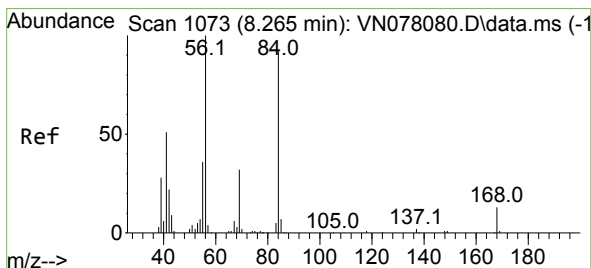
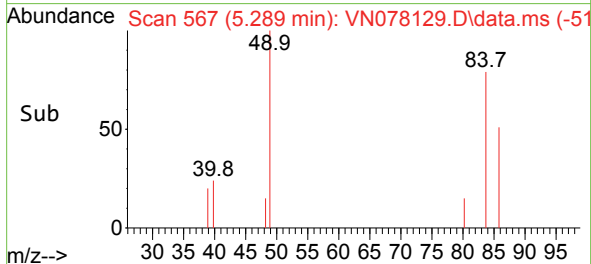
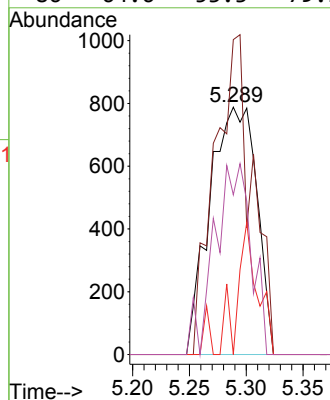


#20
Methylene Chloride
Concen: 0.524 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

Instrument :
MSVOA_N
ClientSampleId :
30998

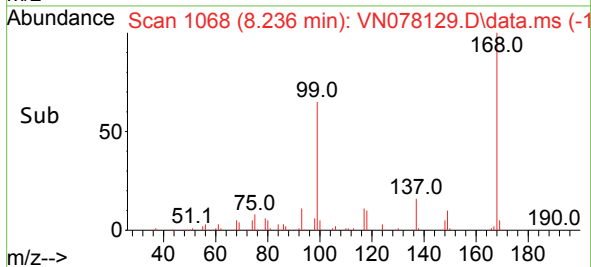
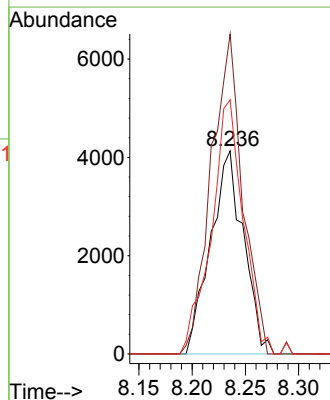
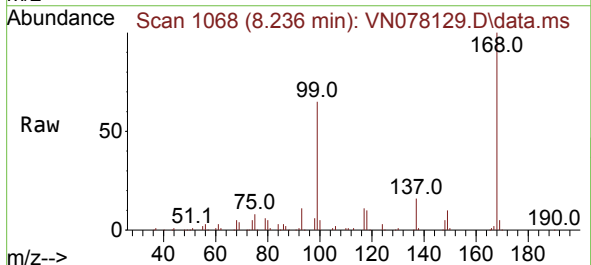


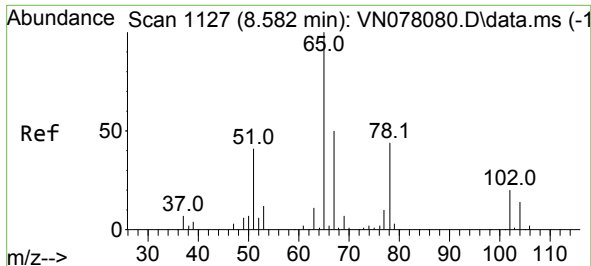
Tgt Ion: 84	Resp: 2267
Ion Ratio	Lower Upper
84 100	
49 127.3	79.7 119.5#
51 0.0	25.2 37.8#
86 64.6	53.3 79.9



#31
Cyclohexane
Concen: 1.526 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

Tgt Ion: 56	Resp: 8910
Ion Ratio	Lower Upper
56 100	
69 157.6	26.8 40.2#
84 133.2	81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 51.962 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078129.D

Acq: 08 Jun 2023 15:00

Instrument :

MSVOA_N

ClientSampleId :

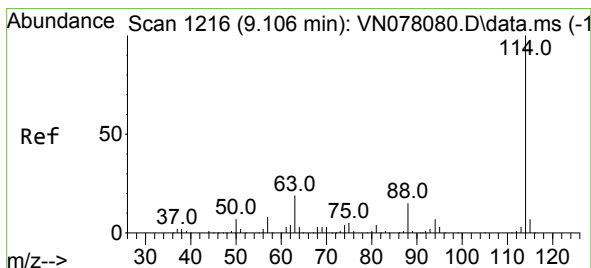
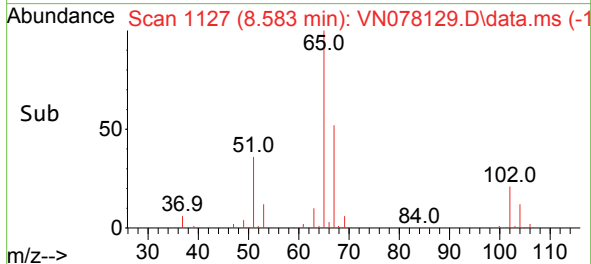
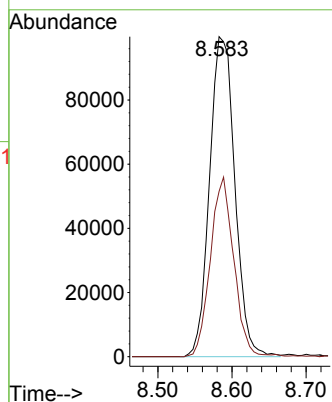
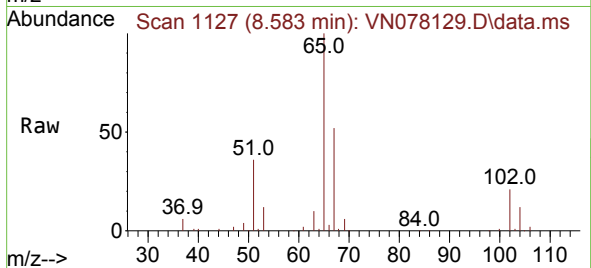
30998

Tgt Ion: 65 Resp: 236536

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078129.D

Acq: 08 Jun 2023 15:00

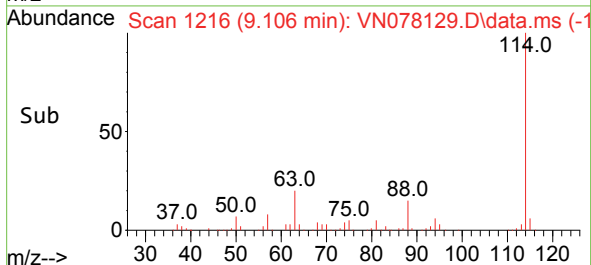
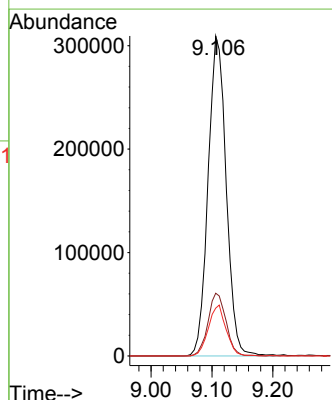
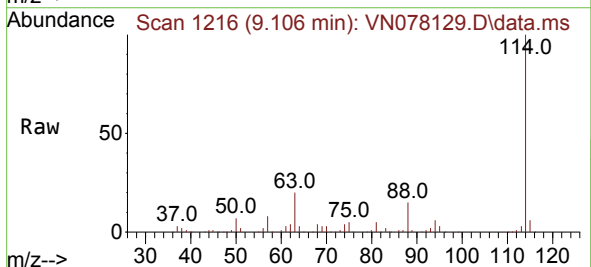
Tgt Ion: 114 Resp: 639124

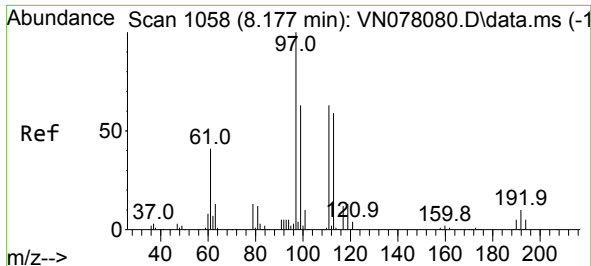
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 15.0 0.0 30.6

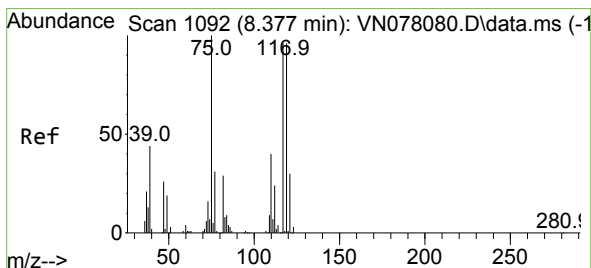
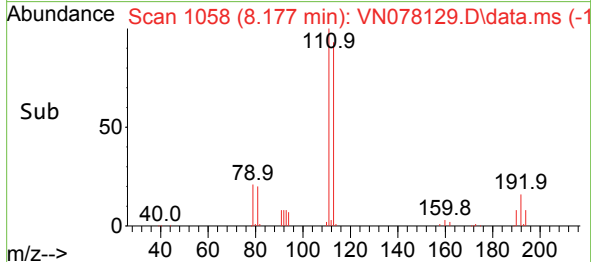
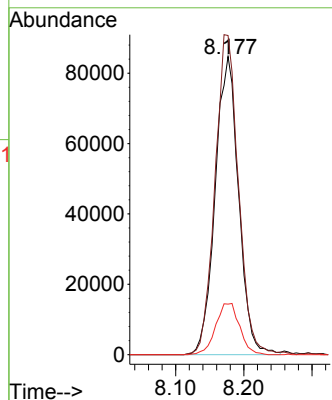
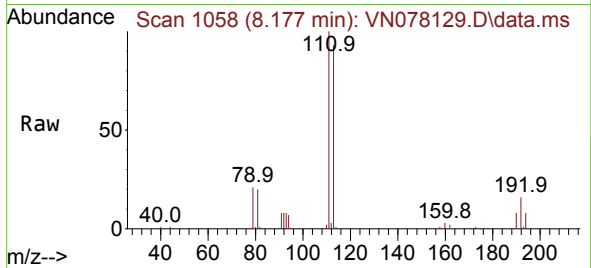




#35
Dibromofluoromethane
Concen: 50.179 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

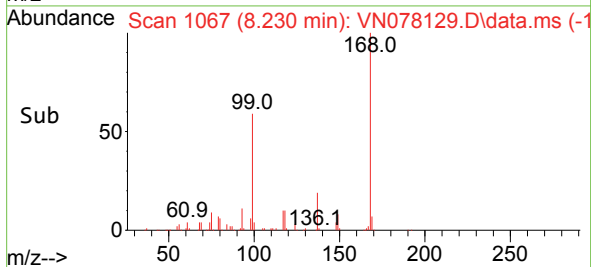
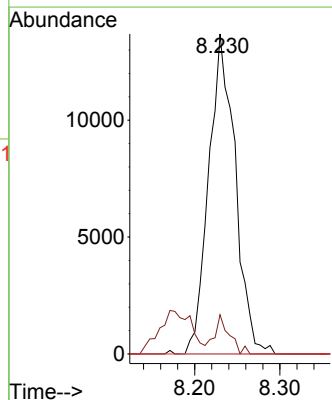
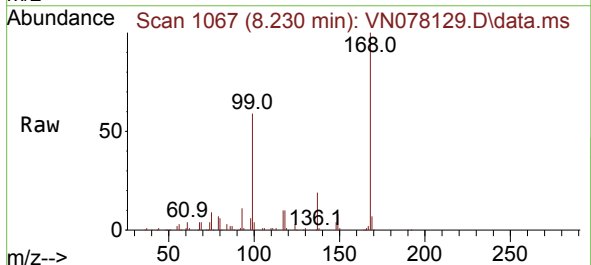
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30998

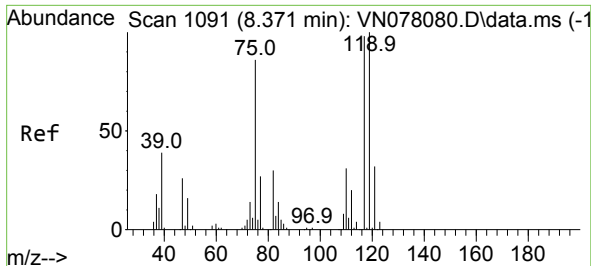
Tgt Ion:113 Resp: 202777
Ion Ratio Lower Upper
113 100
111 107.5 82.6 123.8
192 17.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.111 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

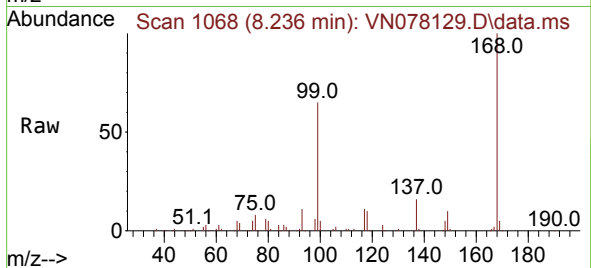
Tgt Ion: 75 Resp: 29628
Ion Ratio Lower Upper
75 100
110 6.9 19.1 57.3#
77 0.0 25.0 37.4#



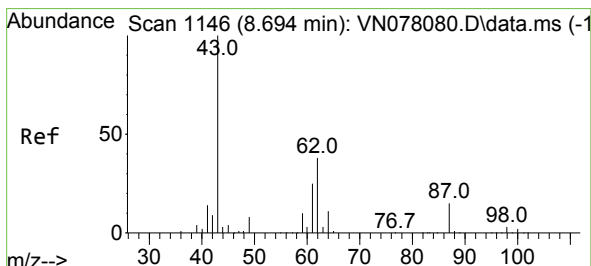
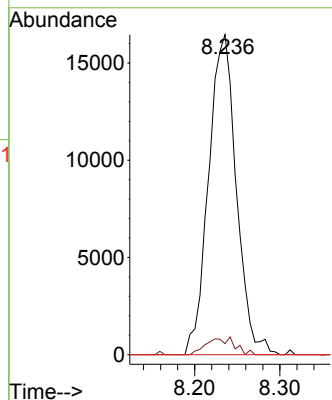
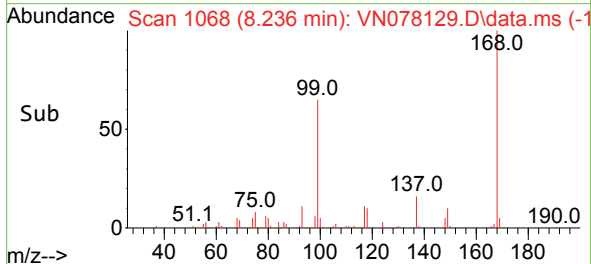


#38
Carbon Tetrachloride
Concen: 6.100 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

Instrument :
MSVOA_N
ClientSampleId :
30998

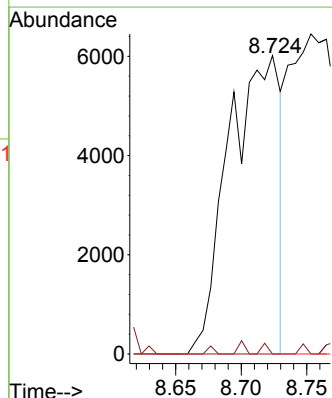
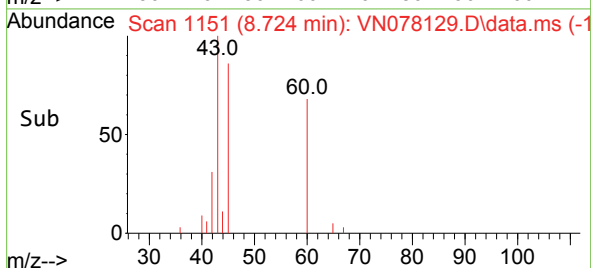
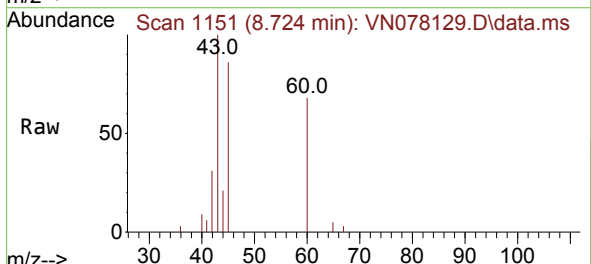


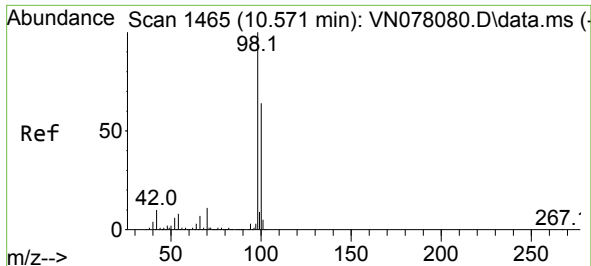
Tgt Ion:117 Resp: 37338
Ion Ratio Lower Upper
117 100
119 3.5 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 1.891 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.030 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

Tgt Ion: 43 Resp: 16372
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

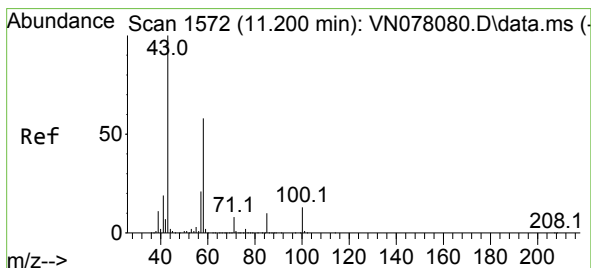
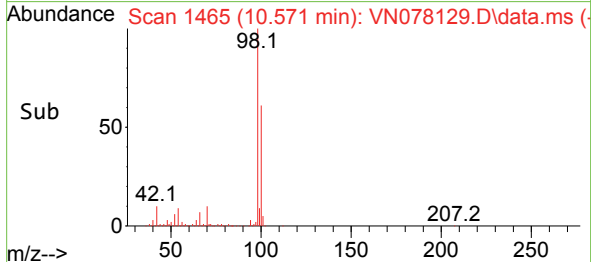
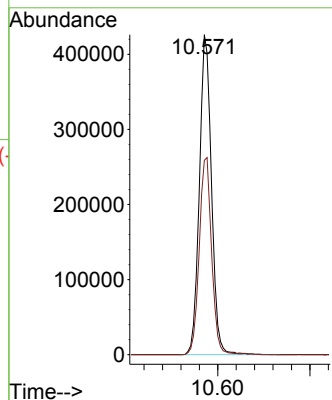
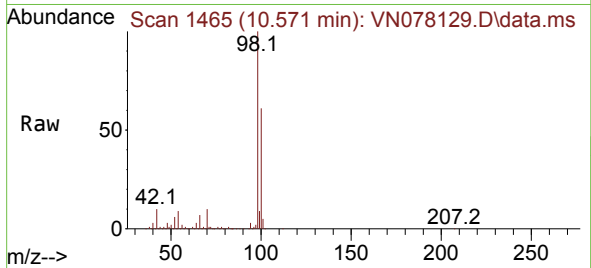




#50
Toluene-d8
Concen: 49.995 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

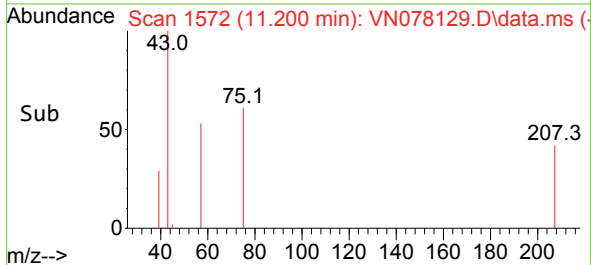
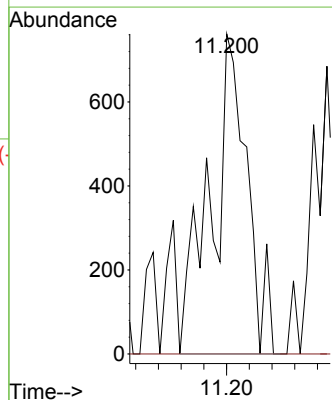
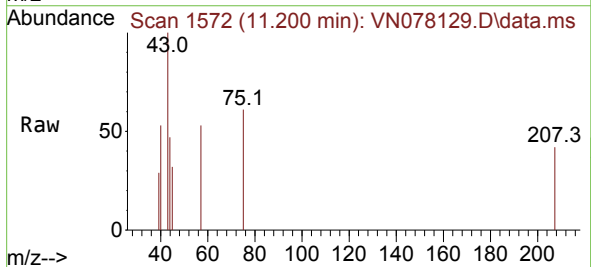
Instrument :
MSVOA_N
ClientSampleId :
30998

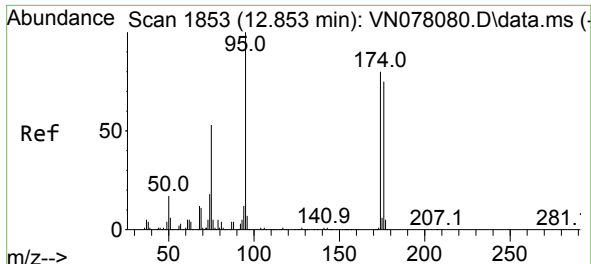
Tgt Ion: 98 Resp: 778866
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#59
2-Hexanone
Concen: 0.524 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

Tgt Ion: 43 Resp: 1664
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

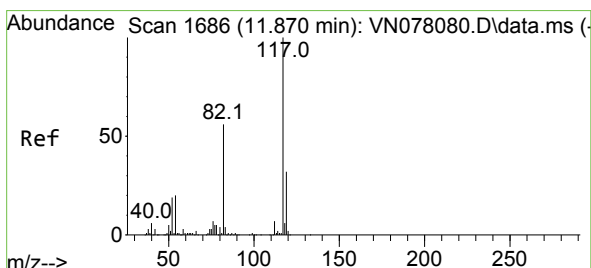
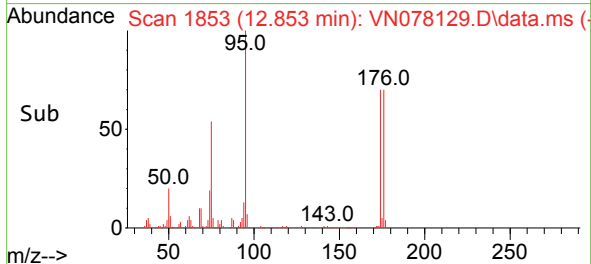
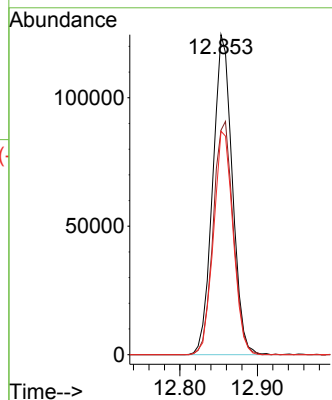
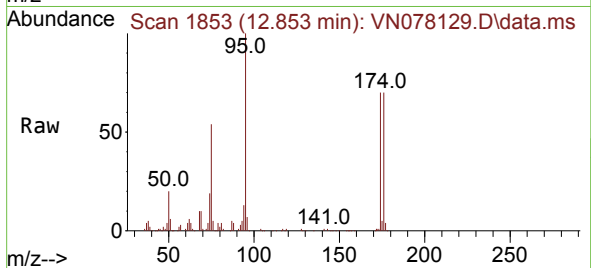




#62
4-Bromofluorobenzene
Concen: 45.055 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

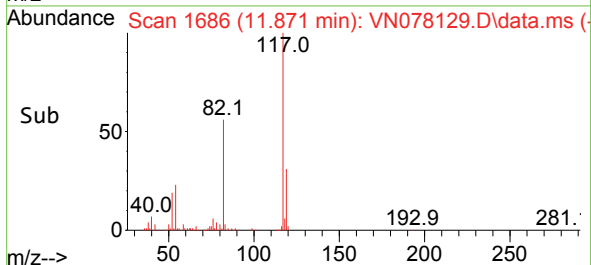
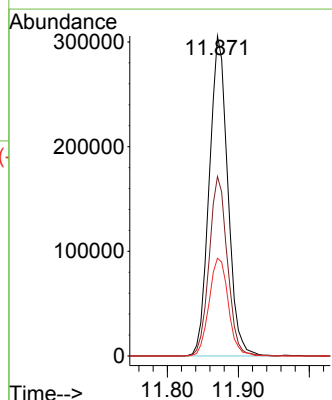
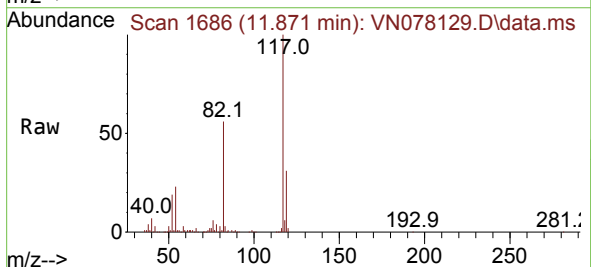
Instrument :
MSVOA_N
ClientSampleId :
30998

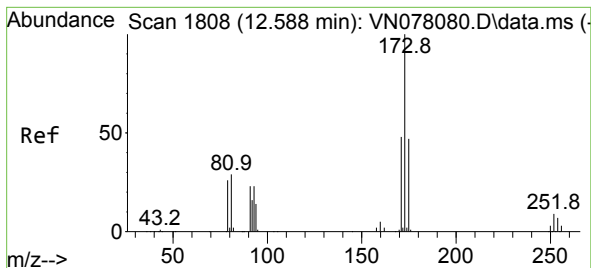
Tgt Ion: 95 Resp: 218207
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 69.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078129.D
Acq: 08 Jun 2023 15:00

Tgt Ion: 117 Resp: 552593
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 30.6 25.6 38.4





#71

Bromoform

Concen: 0.377 ug/l

RT: 12.853 min Scan# 1808

Delta R.T. 0.265 min

Lab File: VN078129.D

Acq: 08 Jun 2023 15:00

Instrument :

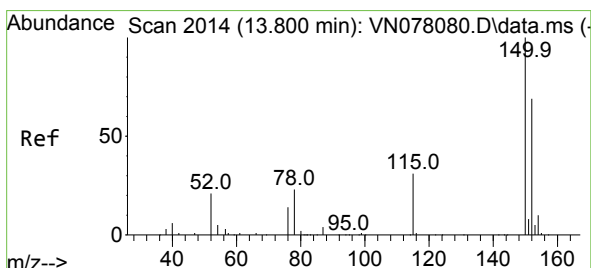
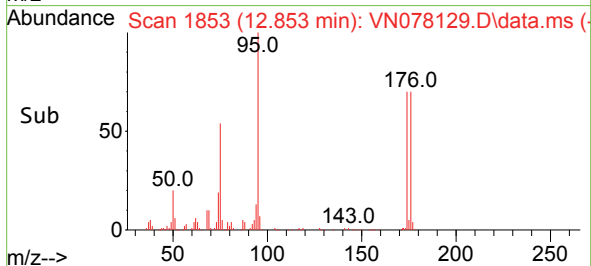
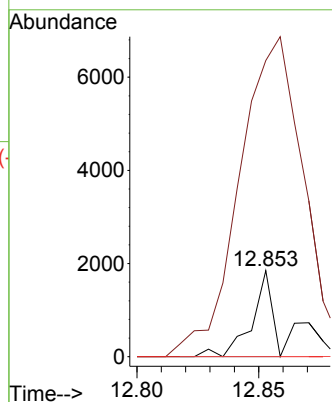
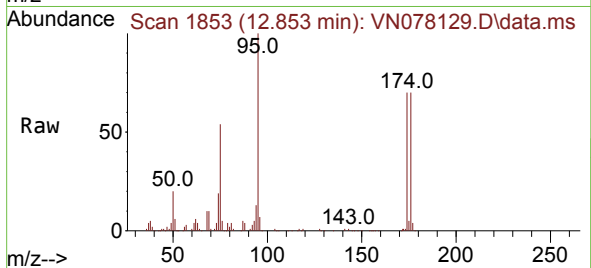
MSVOA_N

ClientSampleId :

30998

Tgt Ion:173 Resp: 1060

Ion	Ratio	Lower	Upper
173	100		
175	1010.0	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

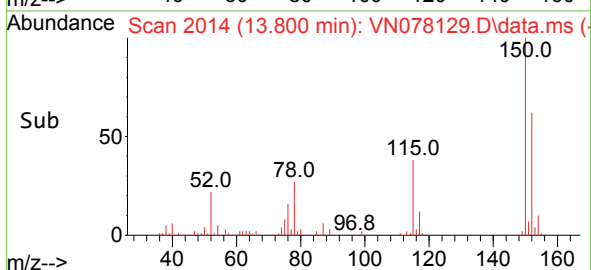
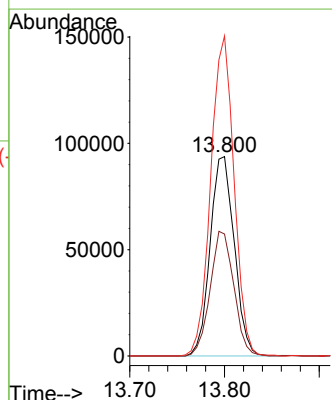
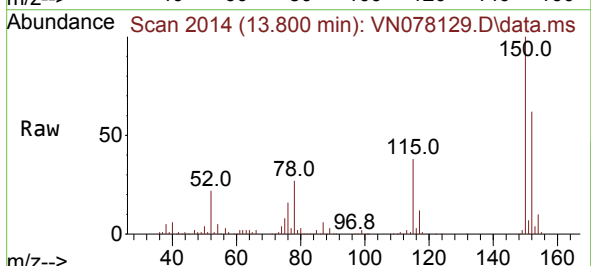
Delta R.T. 0.000 min

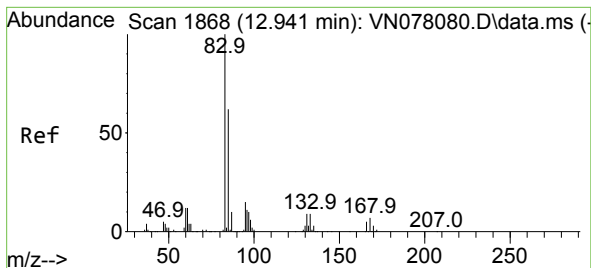
Lab File: VN078129.D

Acq: 08 Jun 2023 15:00

Tgt Ion:152 Resp: 166362

Ion	Ratio	Lower	Upper
152	100		
115	61.2	32.3	96.8
150	154.8	0.0	355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.871 min Scan# 1856

Delta R.T. -0.070 min

Lab File: VN078129.D

Acq: 08 Jun 2023 15:00

Instrument :

MSVOA_N

ClientSampleId :

30998

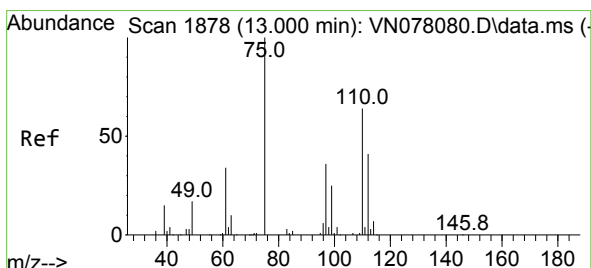
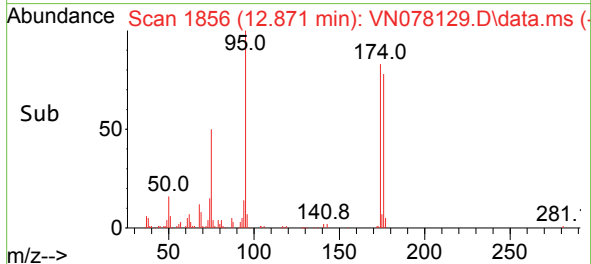
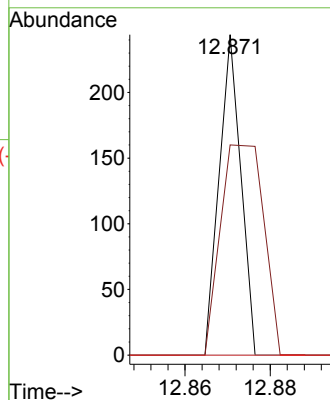
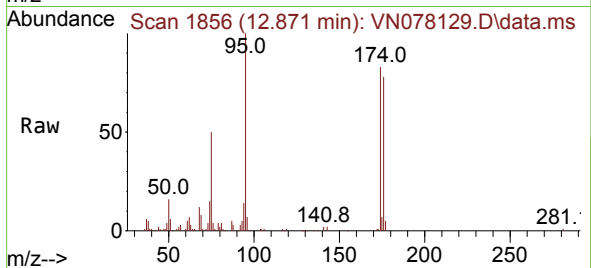
Tgt Ion: 83 Resp: 86

Ion Ratio Lower Upper

83 100

131 131.4 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 29.833 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078129.D

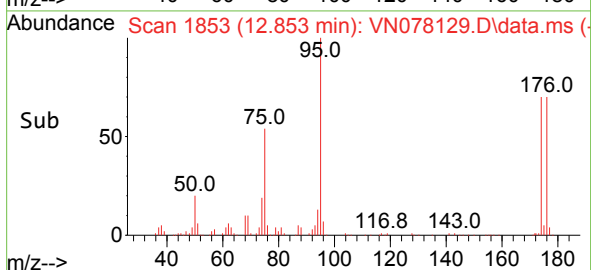
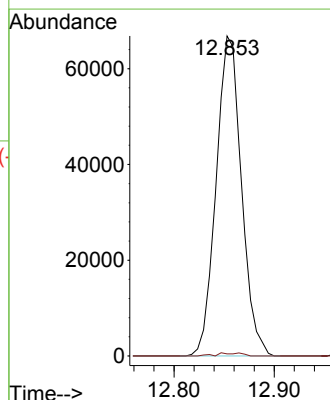
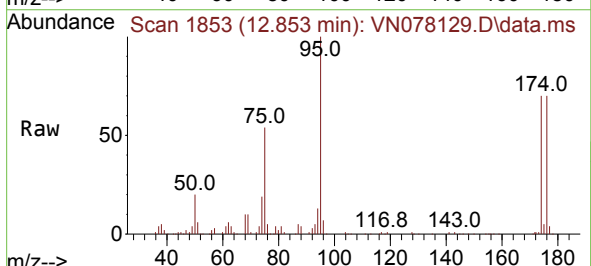
Acq: 08 Jun 2023 15:00

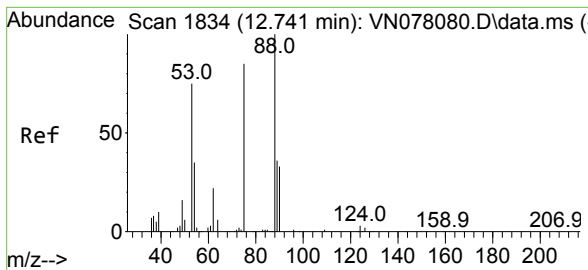
Tgt Ion: 75 Resp: 117329

Ion Ratio Lower Upper

75 100

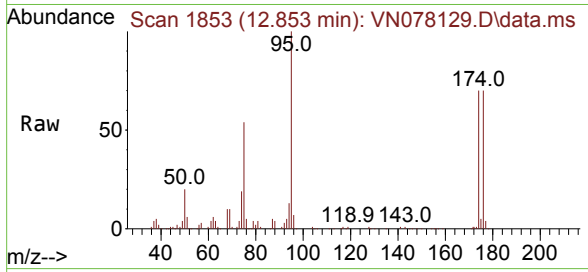
77 0.9 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.656 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078129.D
 Acq: 08 Jun 2023 15:00

Instrument :
 MSVOA_N
 ClientSampleId :
 30998



Tgt Ion: 75 Resp: 117329
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

