

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078420.D
 Acq On : 27 Jun 2023 16:41
 Operator : JC\MD
 Sample : 03376-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

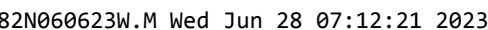
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01

Quant Time: Jun 28 07:12:10 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	450742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	827288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	756296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	306665	51.028	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.060%
35) Dibromofluoromethane	8.177	113	296176	56.621	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.240%
50) Toluene-d8	10.571	98	951782	47.199	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.400%
62) 4-Bromofluorobenzene	12.853	95	321997	51.364	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.720%
Target Compounds						Qvalue
3) Chloromethane	2.377	50	1451	Below Cal		94
16) Acetone	4.453	43	6630	3.833	ug/l	95
25) 2-Butanone	7.500	43	957	0.360	ug/l #	37
27) cis-1,2-Dichloroethene	7.494	96	5841	0.922	ug/l	93
28) Bromochloromethane	7.982	49	2272	0.531	ug/l #	5
30) Chloroform	7.977	83	29126	2.901	ug/l	96
31) Cyclohexane	8.235	56	9771	1.267	ug/l #	36
36) 1,1-Dichloropropene	8.235	75	37105	4.945	ug/l #	49
38) Carbon Tetrachloride	8.235	117	48005	6.059	ug/l #	17
43) Isopropyl Acetate	8.730	43	3552	0.317	ug/l #	49
44) Trichloroethene	9.359	130	5964	1.008	ug/l	83
55) 1,1,2-Trichloroethane	11.106	97	5099	0.953	ug/l #	1
59) 2-Hexanone	11.206	43	1094	0.266	ug/l	60
60) Dibromochloromethane	11.112	129	584947	99.918	ug/l #	11
64) Tetrachloroethene	11.112	164	574212	113.807	ug/l	98
71) Bromoform	12.853	173	2745	0.714	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	67	Below Cal	#	79
76) 1,2,3-Trichloropropane	12.853	75	170323	29.334	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	170323	90.123	ug/l #	15

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

Quant Time: Jun 28 07:12:10 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

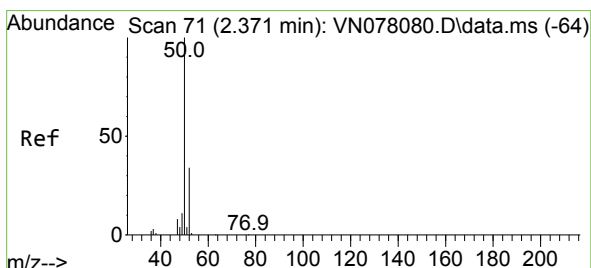
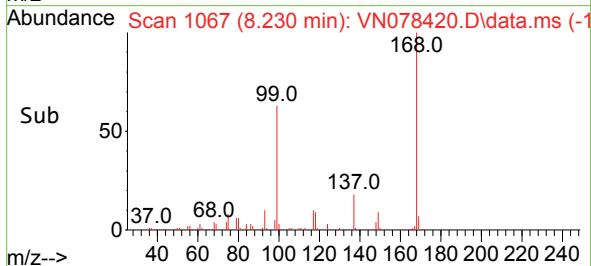
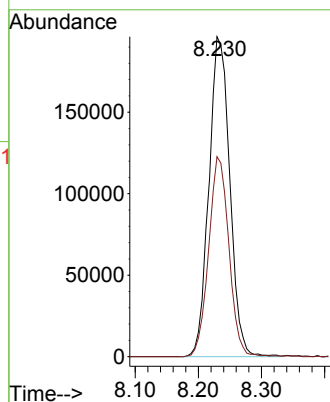
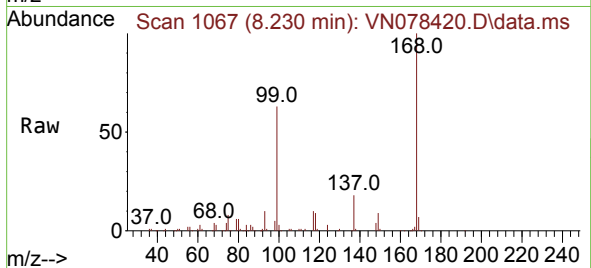




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

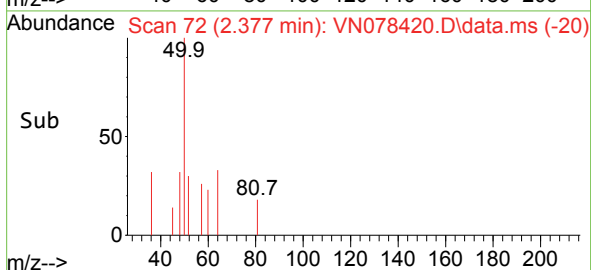
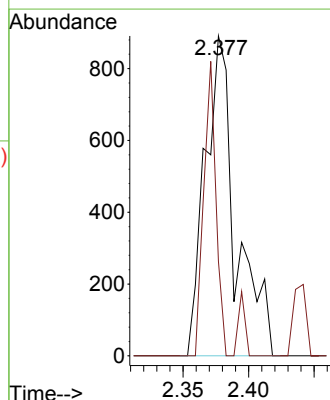
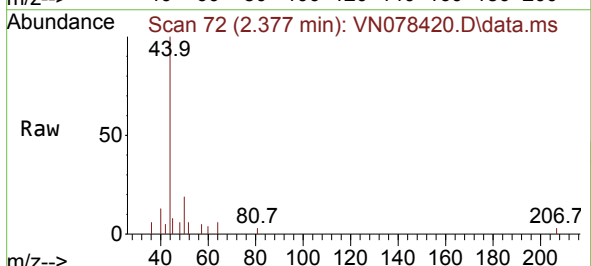
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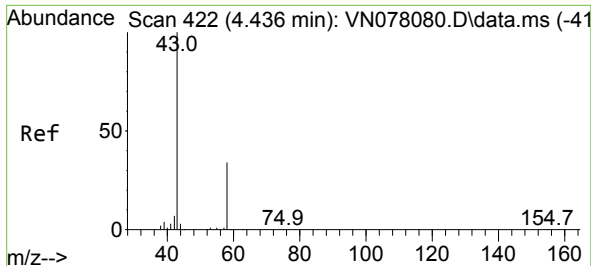
Tgt Ion:168 Resp: 450742
Ion Ratio Lower Upper
168 100
99 62.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

Tgt Ion: 50 Resp: 1451
Ion Ratio Lower Upper
50 100
52 29.5 26.5 39.7

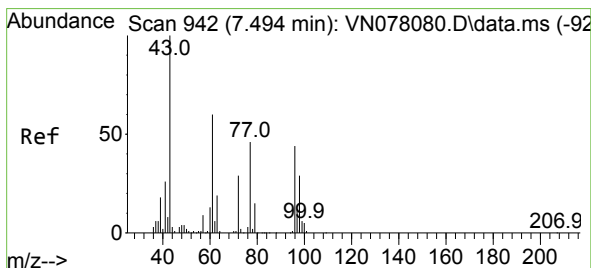
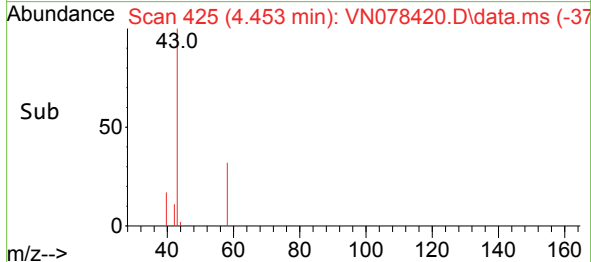
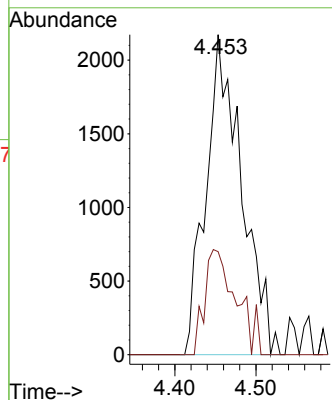
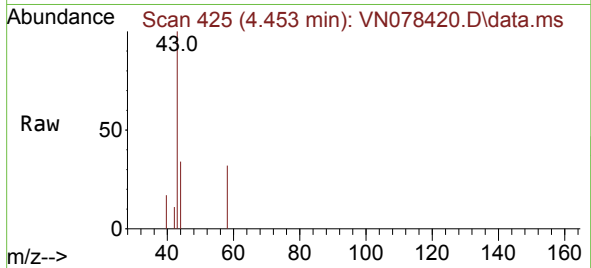




#16
Acetone
Concen: 3.833 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

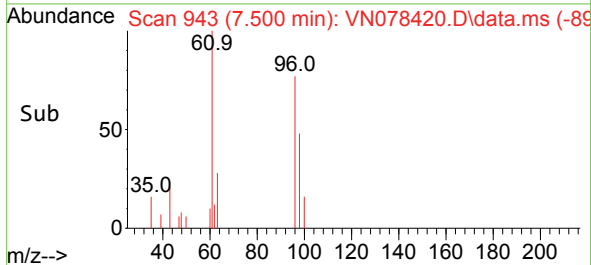
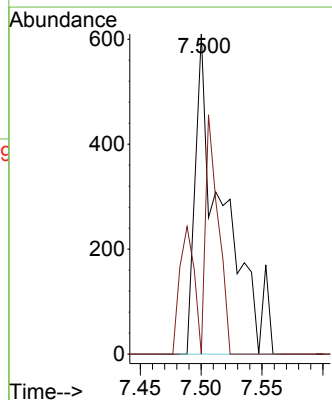
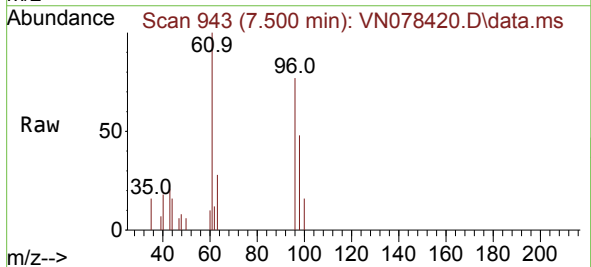
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ClientSampleId :
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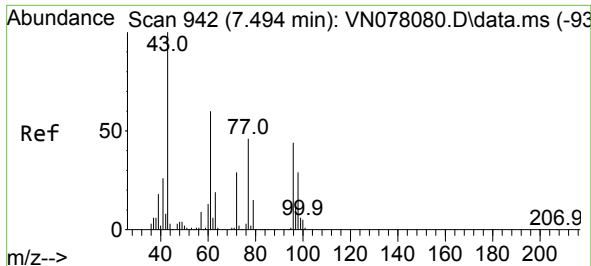
Tgt Ion: 43 Resp: 6630
Ion Ratio Lower Upper
43 100
58 32.2 28.0 42.0



#25
2-Butanone
Concen: 0.360 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#

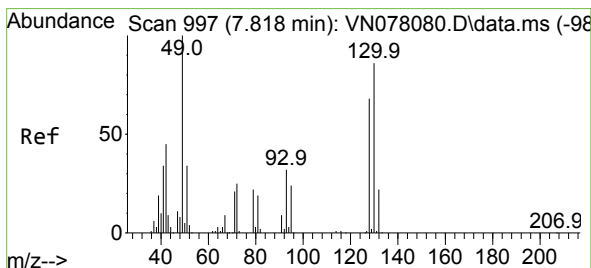
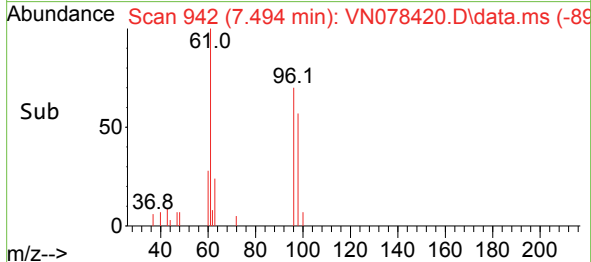
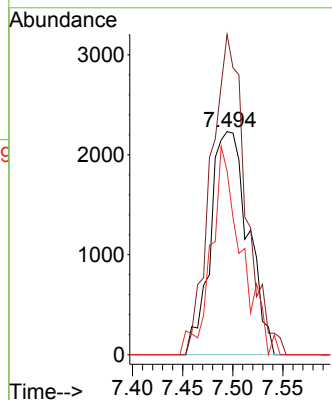
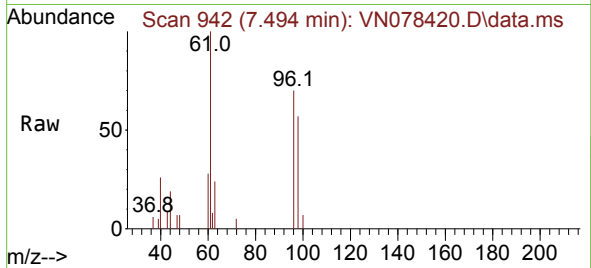




#27
 cis-1,2-Dichloroethene
 Concen: 0.922 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: VN078420.D
 Acq: 27 Jun 2023 16:41

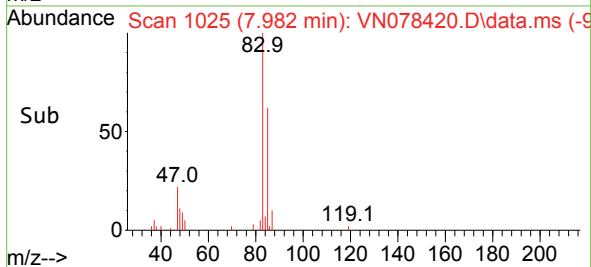
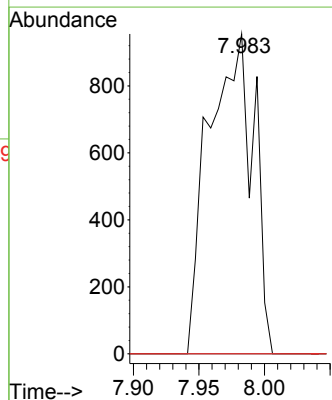
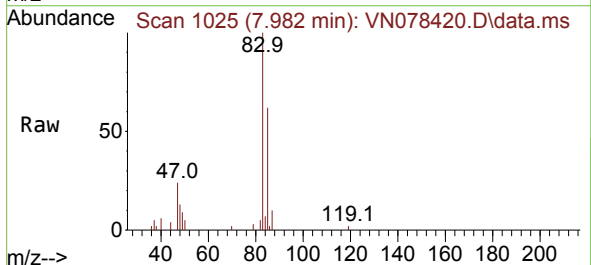
Instrument :
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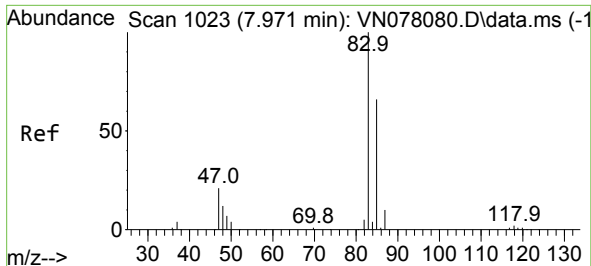
Tgt Ion:	96	Resp:	5841
Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	255.2
98	75.0	0.0	128.8



#28
 Bromochloromethane
 Concen: 0.531 ug/l
 RT: 7.982 min Scan# 1025
 Delta R.T. 0.165 min
 Lab File: VN078420.D
 Acq: 27 Jun 2023 16:41

Tgt Ion:	49	Resp:	2272
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	75.3	112.9

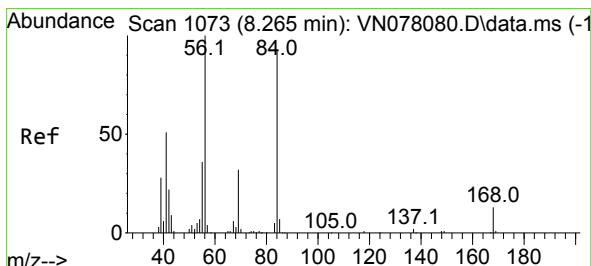
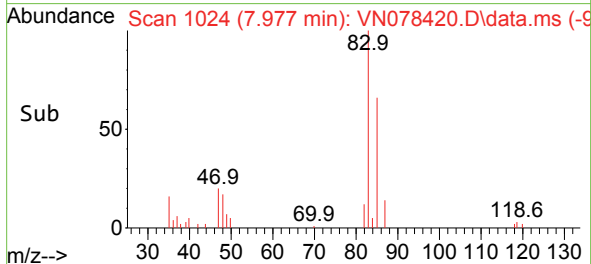
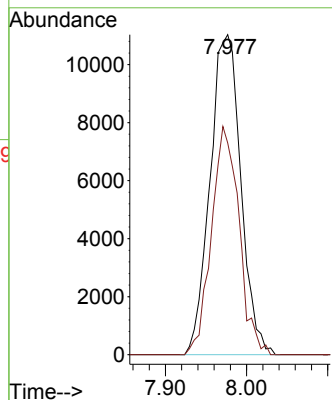
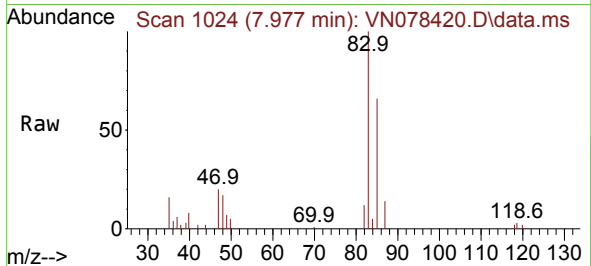




#30
Chloroform
Concen: 2.901 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

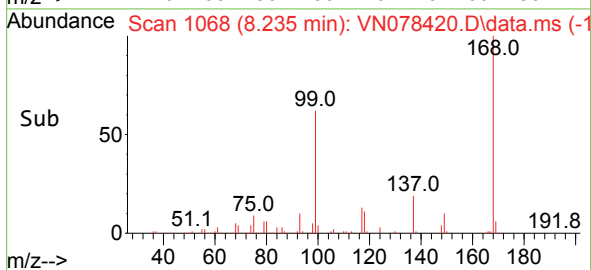
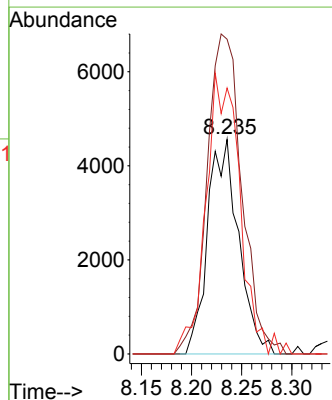
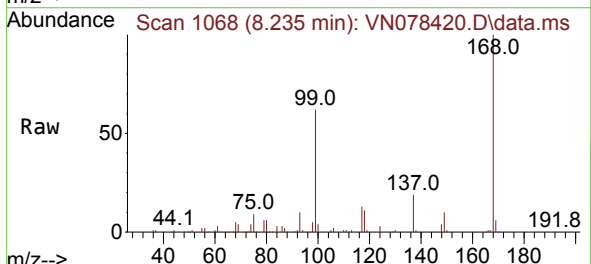
Instrument :
MSVOA_N
ClientSampleId :
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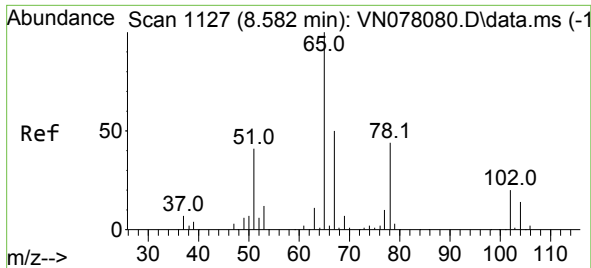
Tgt Ion: 83 Resp: 29126
Ion Ratio Lower Upper
83 100
85 66.2 55.4 83.0



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

Tgt Ion: 56 Resp: 9771
Ion Ratio Lower Upper
56 100
69 143.0 26.8 40.2#
84 123.9 81.8 122.6#

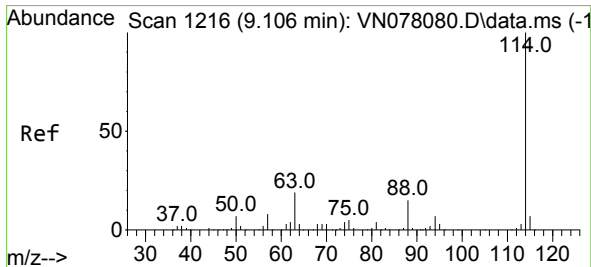
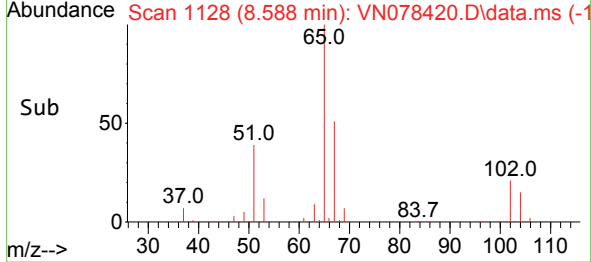
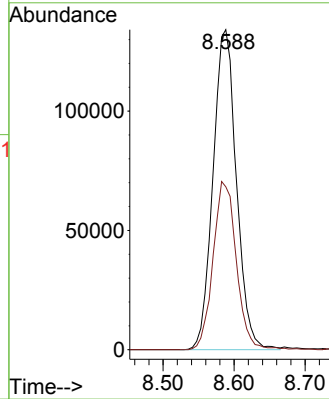
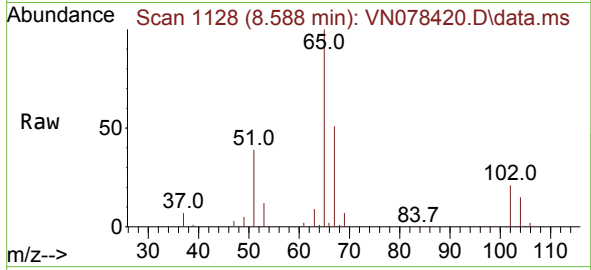




#33
 1,2-Dichloroethane-d4
 Concen: 51.028 ug/l
 RT: 8.588 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN078420.D
 Acq: 27 Jun 2023 16:41

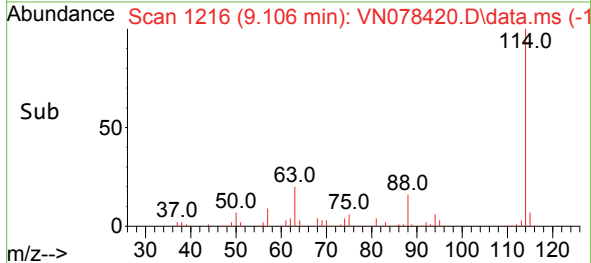
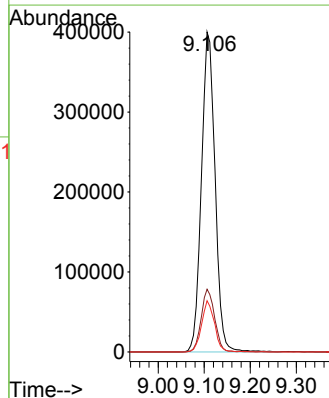
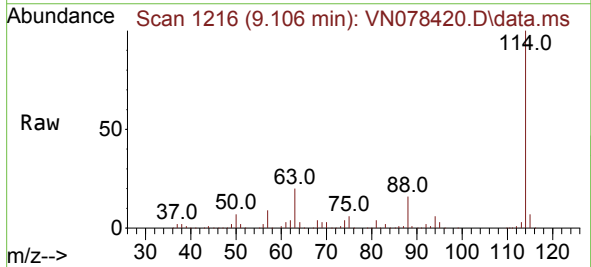
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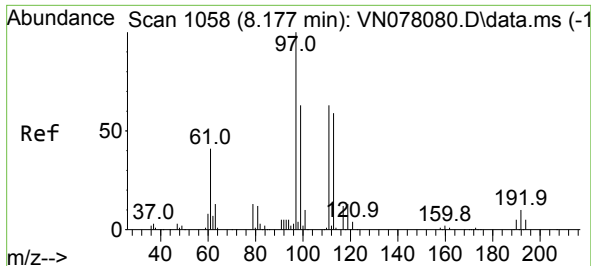
Tgt Ion: 65 Resp: 306665
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN078420.D
 Acq: 27 Jun 2023 16:41

Tgt Ion: 114 Resp: 827288
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.4
 88 16.0 0.0 30.6

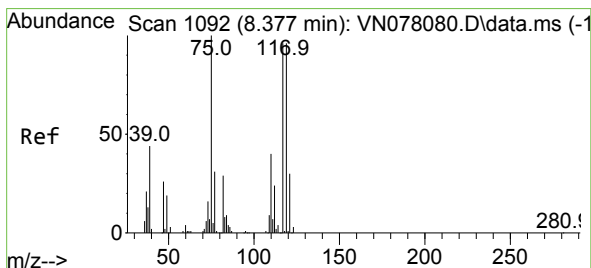
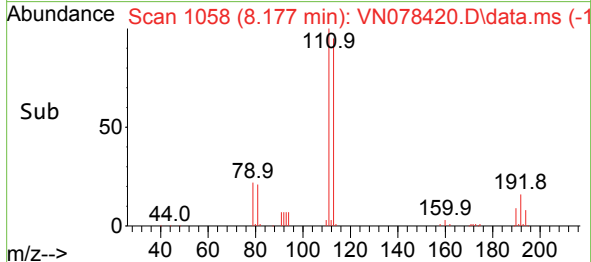
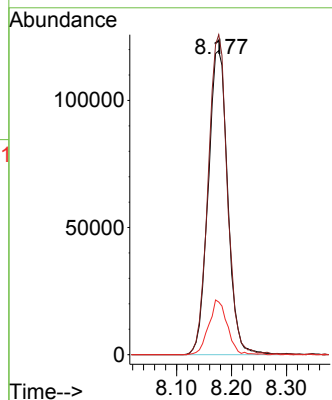
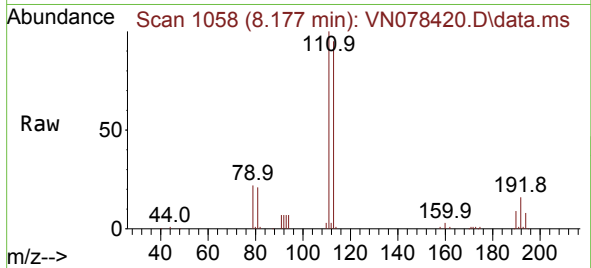




#35
Dibromofluoromethane
Concen: 56.621 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

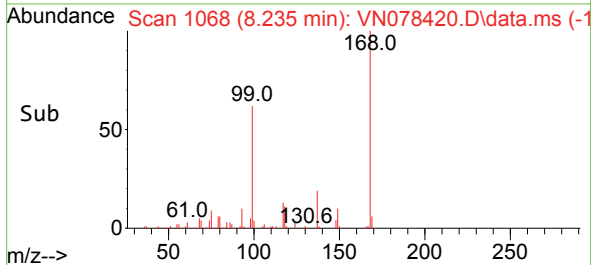
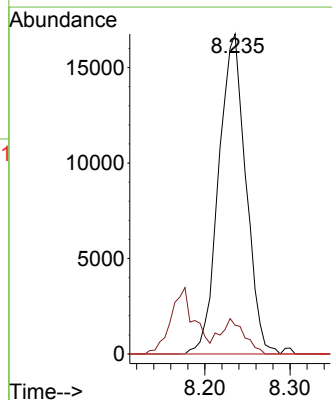
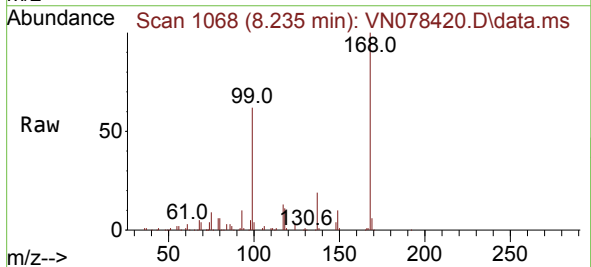
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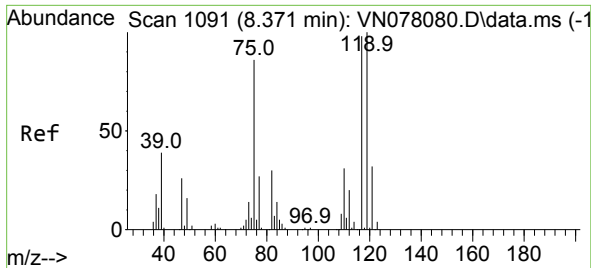
Tgt Ion:113 Resp: 296176
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 17.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.945 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

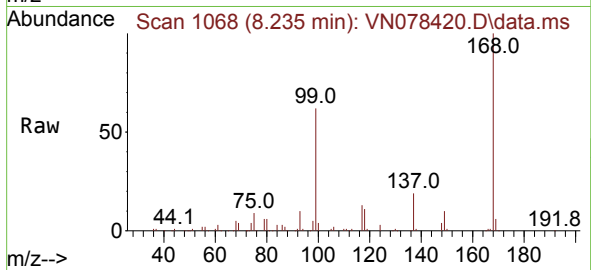
Tgt Ion: 75 Resp: 37105
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.0 25.0 37.4#



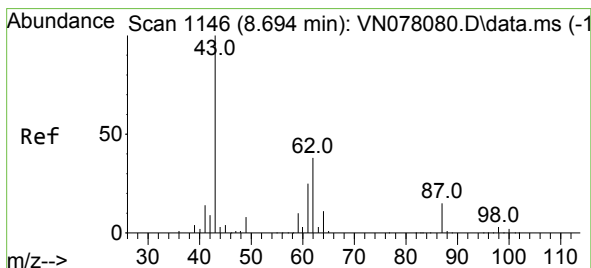
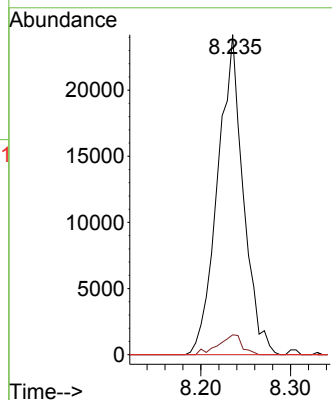
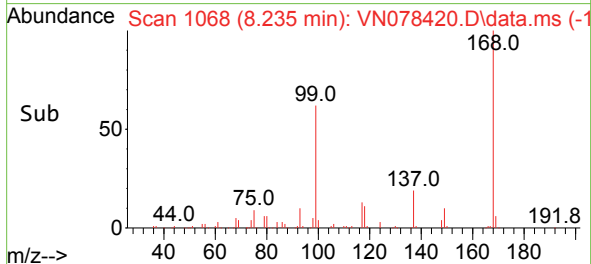


#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 8.235 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

Instrument :
MSVOA_N
ClientSampleId :
DUP-01

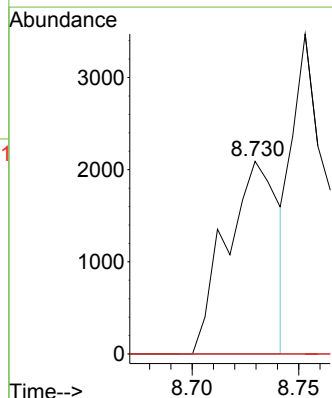
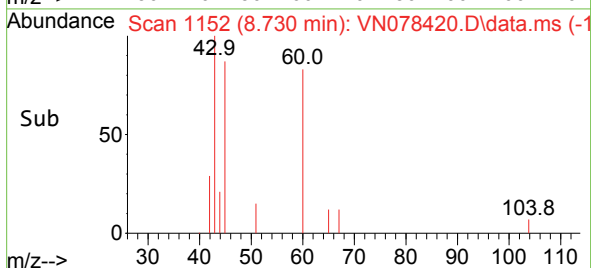
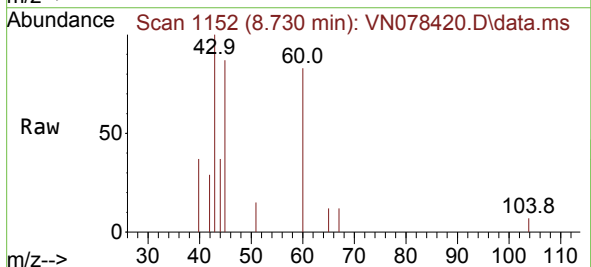


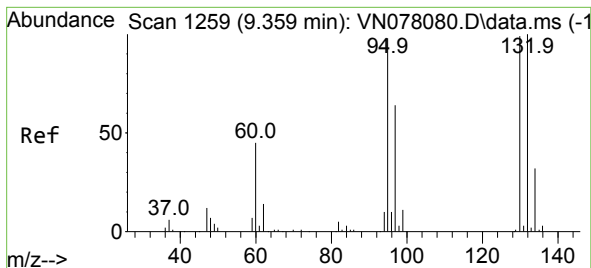
Tgt Ion:117 Resp: 48005
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.317 ug/l
RT: 8.730 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

Tgt Ion: 43 Resp: 3552
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 1.008 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078420.D

Acq: 27 Jun 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

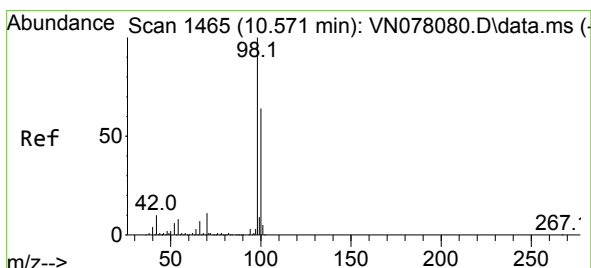
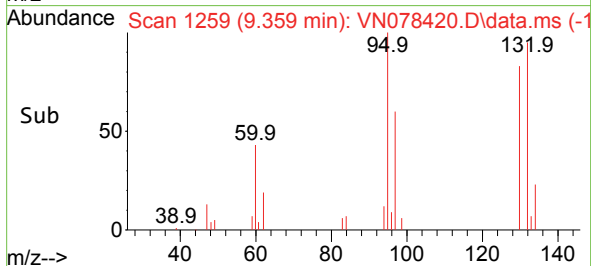
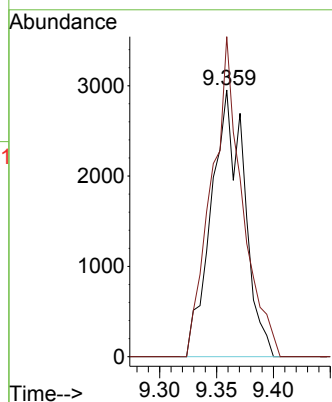
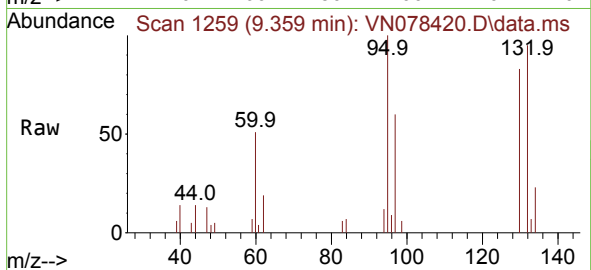
DUP-01

Tgt Ion:130 Resp: 5964

Ion Ratio Lower Upper

130 100

95 119.9 0.0 204.6



#50

Toluene-d8

Concen: 47.199 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078420.D

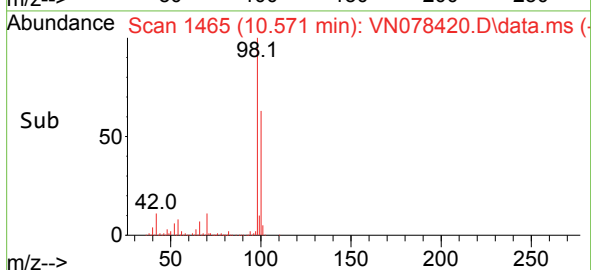
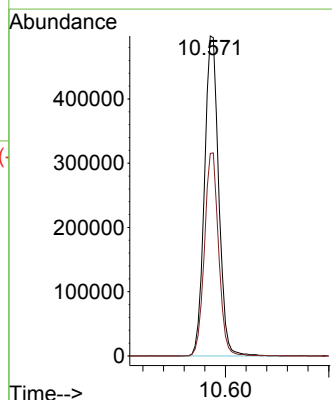
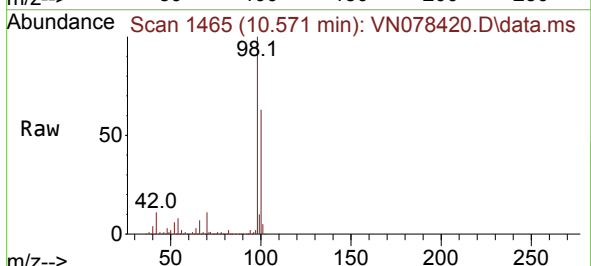
Acq: 27 Jun 2023 16:41

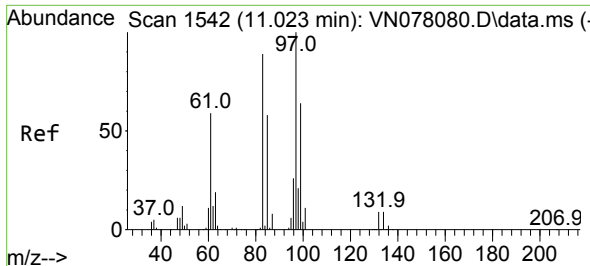
Tgt Ion: 98 Resp: 951782

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0

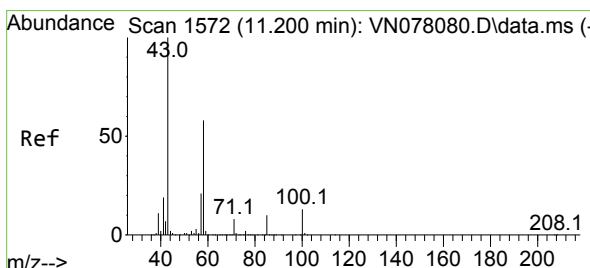
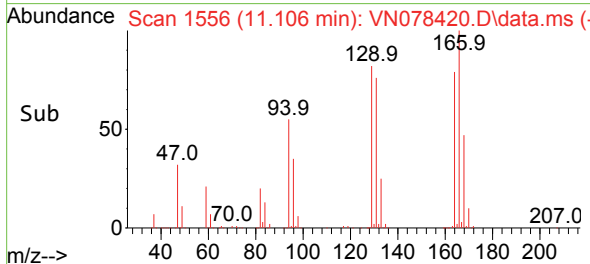
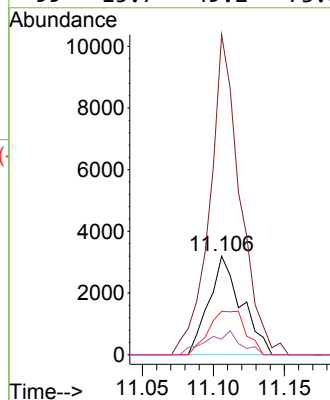
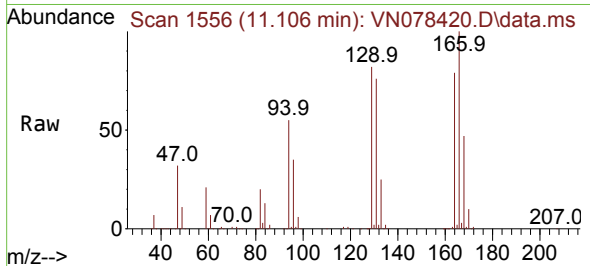




#55
1,1,2-Trichloroethane
Concen: 0.953 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.082 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

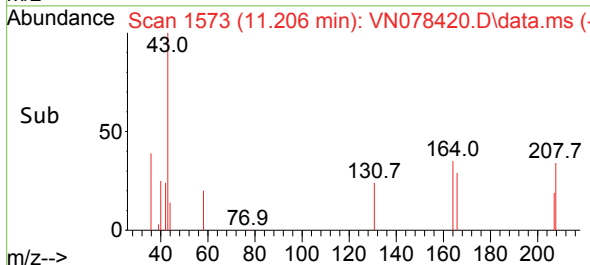
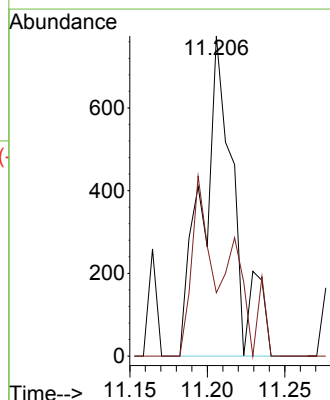
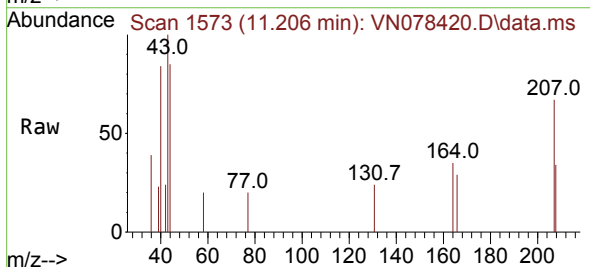
Instrument :
MSVOA_N
ClientSampleId :
DUP-01

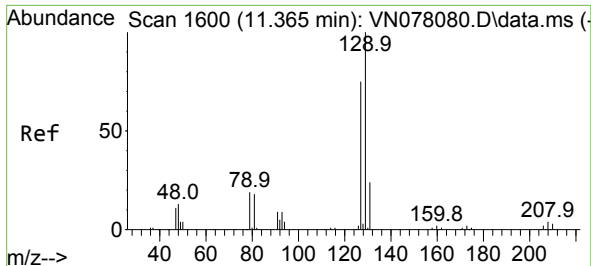
Tgt Ion:	97	Resp:	5099
Ion	Ratio	Lower	Upper
97	100		
83	312.6	65.1	97.7#
85	44.0	43.4	65.2
99	15.7	49.2	73.8#



#59
2-Hexanone
Concen: 0.266 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

Tgt Ion:	43	Resp:	1094
Ion	Ratio	Lower	Upper
43	100		
58	32.4	31.7	95.1

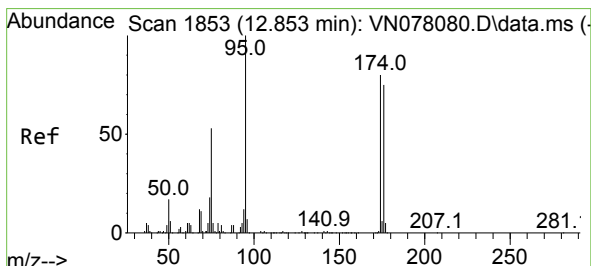
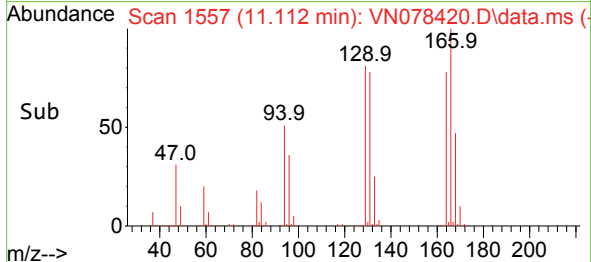
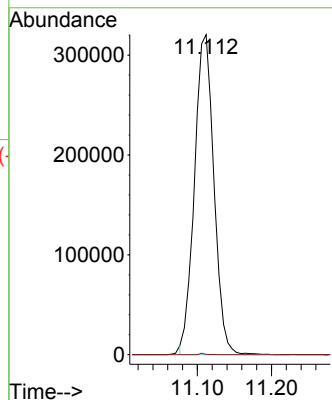
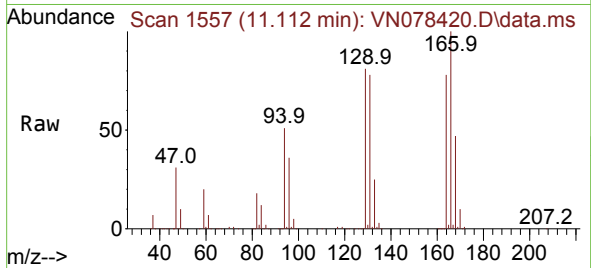




#60
Dibromochloromethane
Concen: 99.918 ug/l
RT: 11.112 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

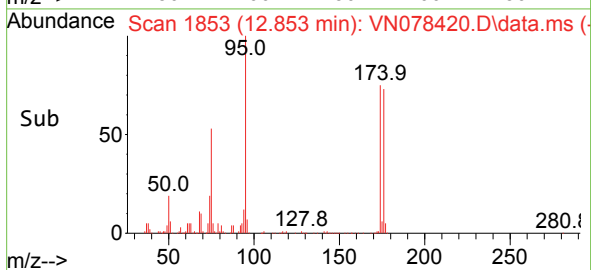
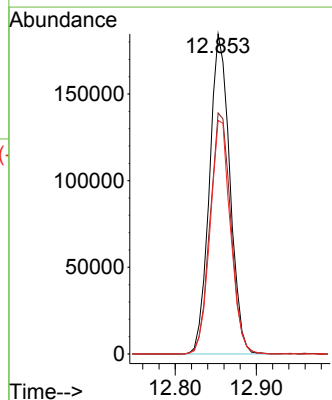
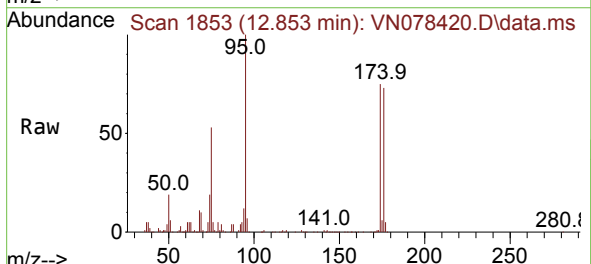
Instrument :
MSVOA_N
ClientSampleId :
DUP-01

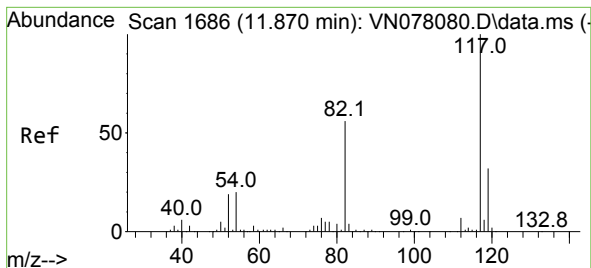
Tgt Ion:129 Resp: 584947
Ion Ratio Lower Upper
129 100
127 0.1 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.364 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

Tgt Ion: 95 Resp: 321997
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 72.9 0.0 135.8

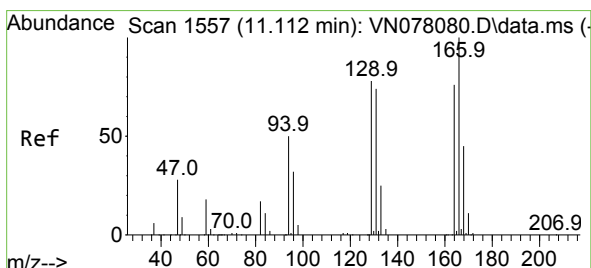
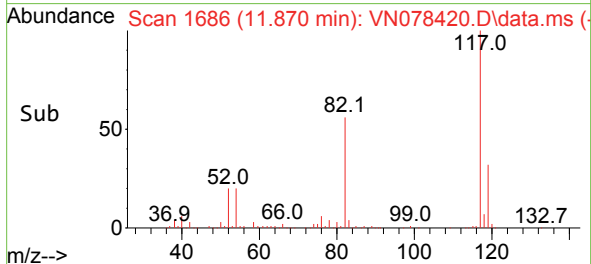
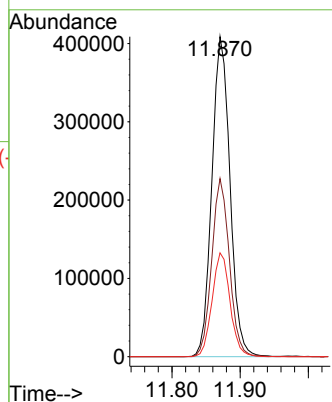
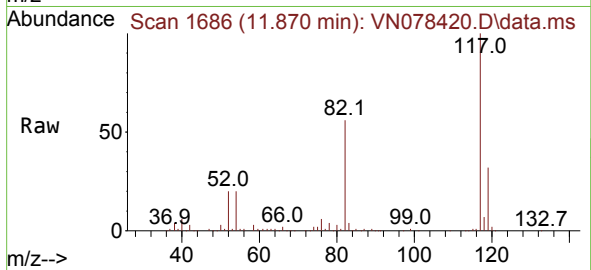




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

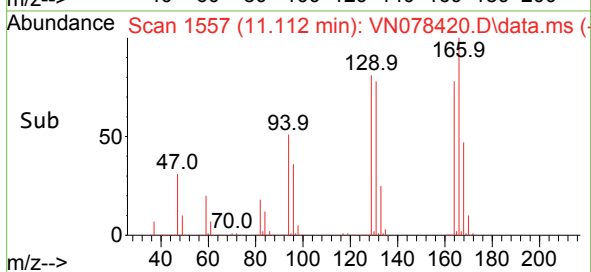
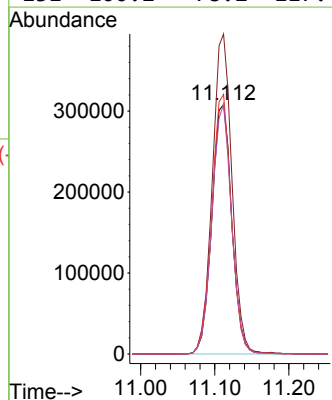
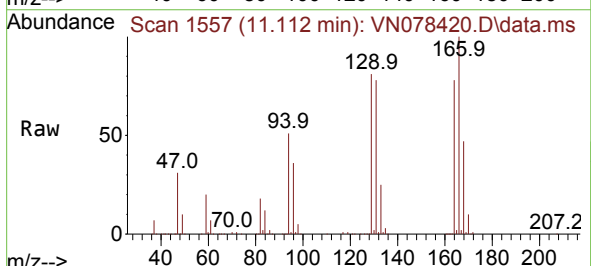
Instrument :
MSVOA_N
ClientSampleId :
DUP-01

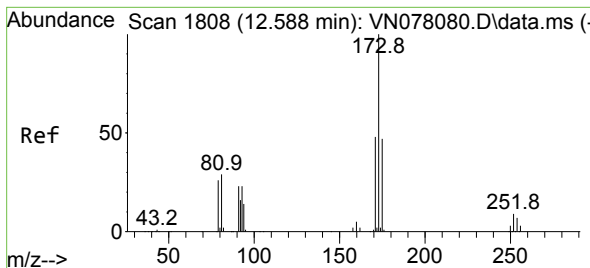
Tgt Ion:117 Resp: 756296
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 113.807 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VN078420.D
Acq: 27 Jun 2023 16:41

Tgt Ion:164 Resp: 574212
Ion Ratio Lower Upper
164 100
166 128.3 101.4 152.0
129 104.0 82.4 123.6
131 100.2 78.2 117.4





#71

Bromoform

Concen: 0.714 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN078420.D

Acq: 27 Jun 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

DUP-01

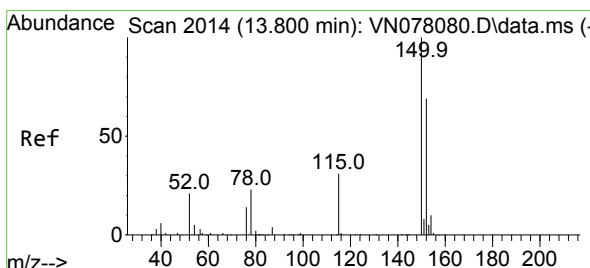
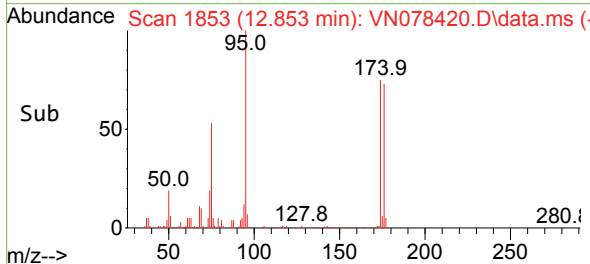
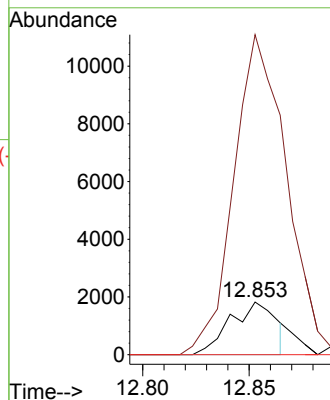
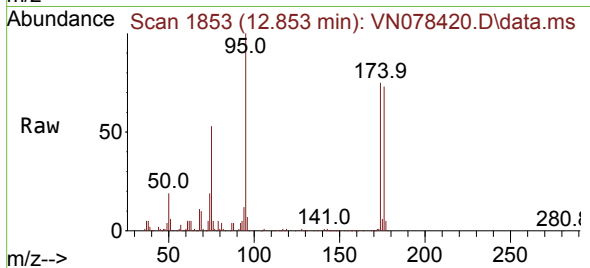
Tgt Ion:173 Resp: 2745

Ion Ratio Lower Upper

173 100

175 585.6 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN078420.D

Acq: 27 Jun 2023 16:41

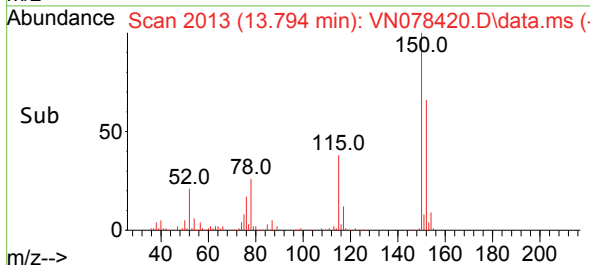
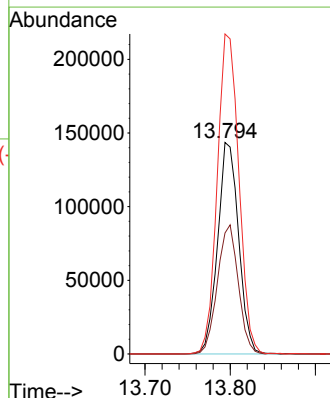
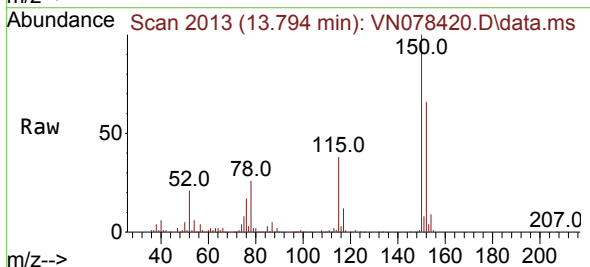
Tgt Ion:152 Resp: 245613

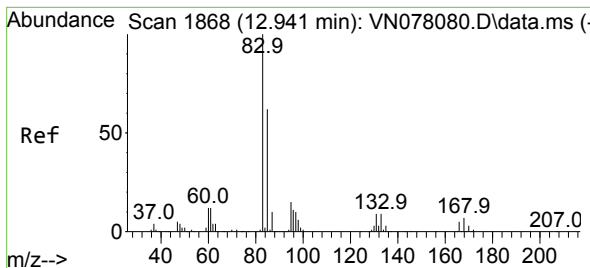
Ion Ratio Lower Upper

152 100

115 60.7 32.3 96.8

150 155.5 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

Lab File: VN078420.D

Acq: 27 Jun 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

DUP-01

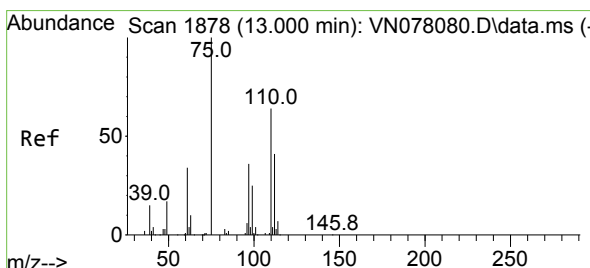
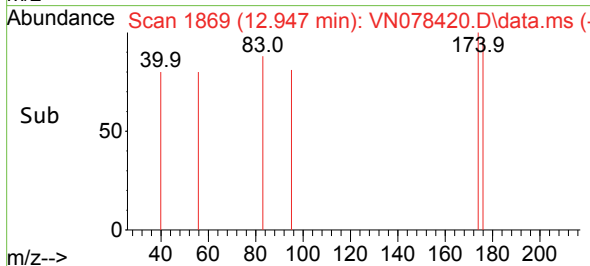
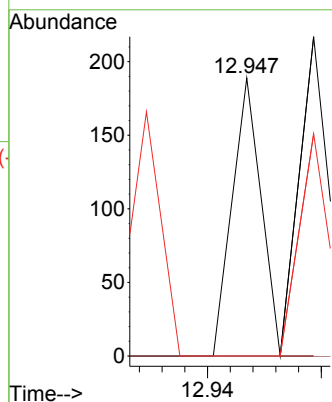
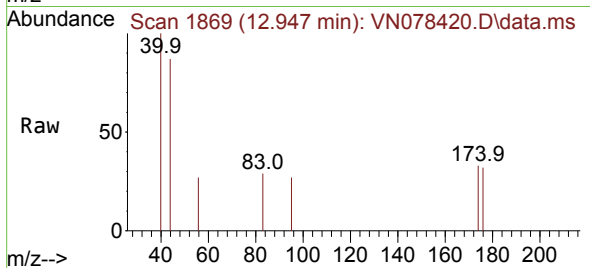
Tgt Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 79.1 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 29.334 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078420.D

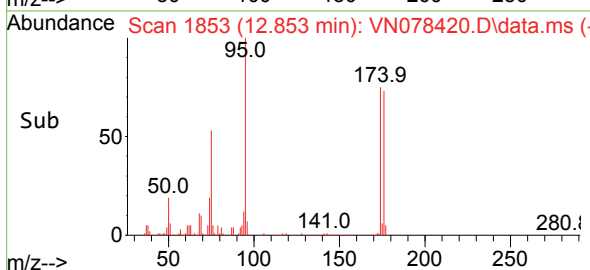
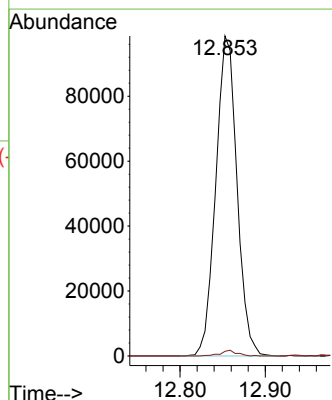
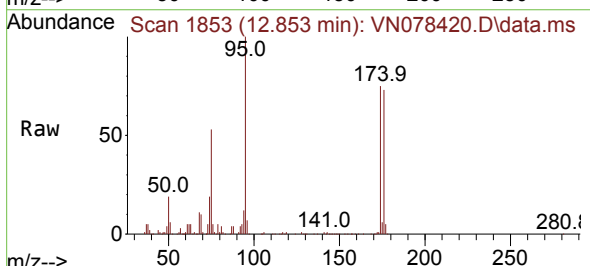
Acq: 27 Jun 2023 16:41

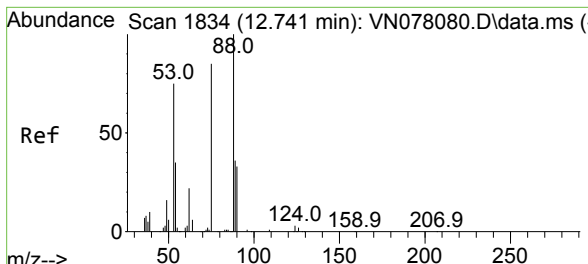
Tgt Ion: 75 Resp: 170323

Ion Ratio Lower Upper

75 100

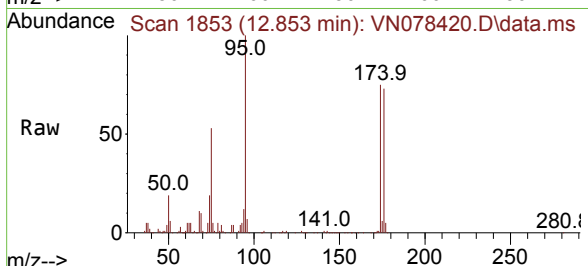
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.123 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078420.D
 Acq: 27 Jun 2023 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01



Tgt Ion: 75 Resp: 170323
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

