

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078281.D
 Acq On : 19 Jun 2023 15:48
 Operator : JC\MD
 Sample : 03310-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-TB-20230609

Quant Time: Jun 20 01:28:53 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)

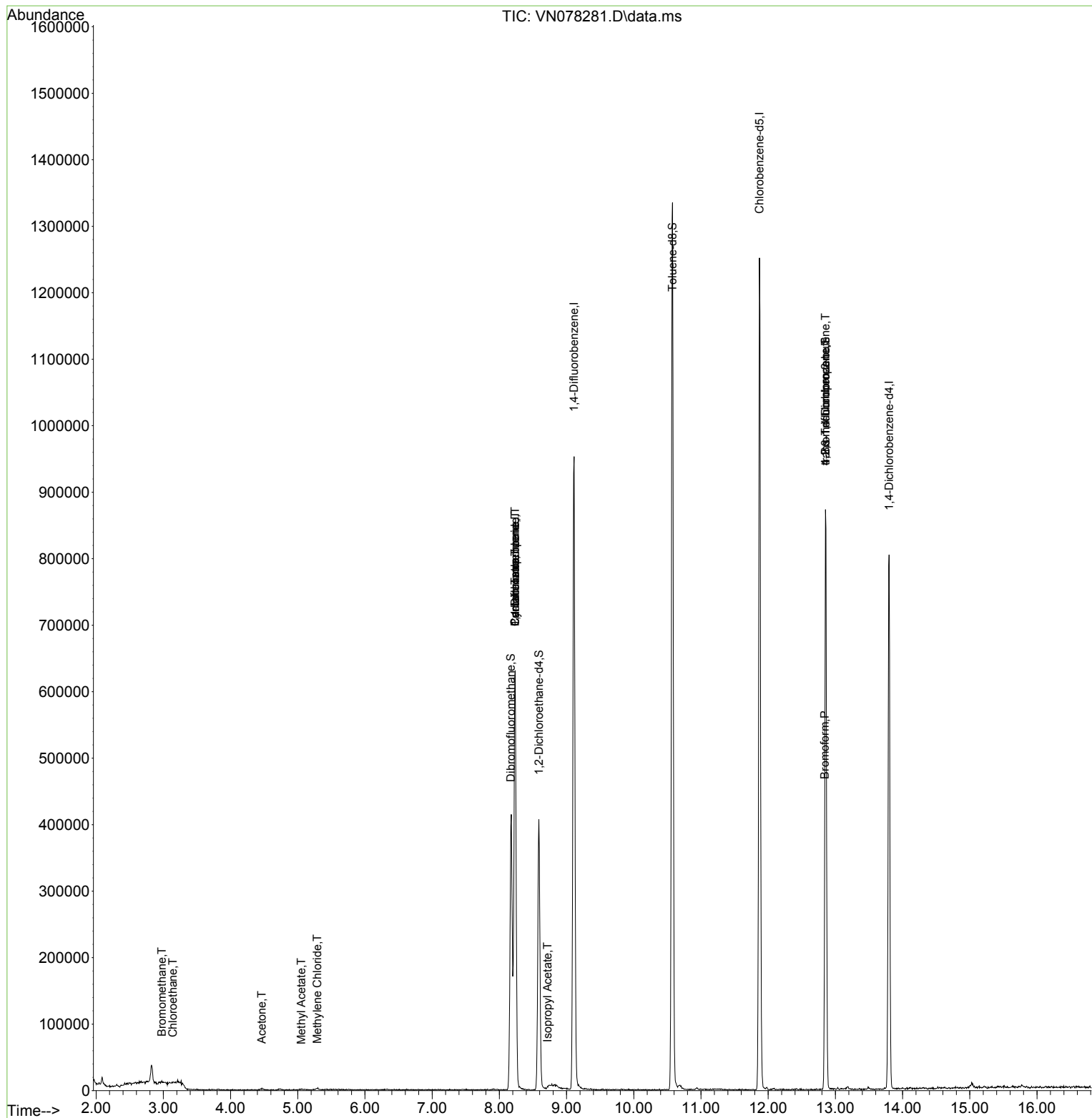
Internal Standards						
1) Pentafluorobenzene	8.235	168	459717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	851884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	746110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	220735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	329471	53.752	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.500%	
35) Dibromofluoromethane	8.171	113	296086	54.970	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.940%	
50) Toluene-d8	10.576	98	976758	47.039	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.080%	
62) 4-Bromofluorobenzene	12.853	95	301381	46.687	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1338	Below Cal		98
5) Bromomethane	2.977	94	1666	0.324	ug/l	85
6) Chloroethane	3.142	64	4143	0.893	ug/l #	43
16) Acetone	4.465	43	2888	1.637	ug/l #	79
18) Methyl Acetate	5.053	43	1749	0.215	ug/l #	52
20) Methylene Chloride	5.288	84	1494	0.256	ug/l #	75
31) Cyclohexane	8.235	56	10490	1.334	ug/l #	8
36) 1,1-Dichloropropene	8.235	75	39322	5.090	ug/l #	49
38) Carbon Tetrachloride	8.235	117	50384	6.176	ug/l #	15
43) Isopropyl Acetate	8.718	43	3278	0.284	ug/l #	49
71) Bromoform	12.841	173	2254	0.594	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.847	83	674	Below Cal	#	10
76) 1,2,3-Trichloropropane	12.853	75	165618	31.738	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	165618	97.510	ug/l #	15
94) Hexachlorobutadiene	15.511	225	297	Below Cal	#	46

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078281.D

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MSVOA_N

ClientSampleId :

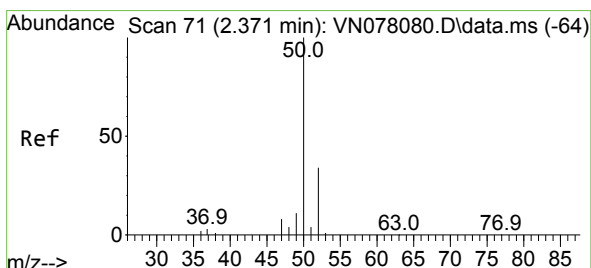
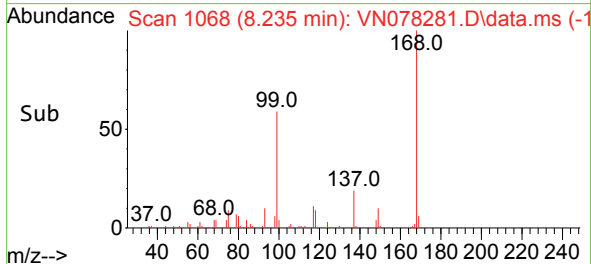
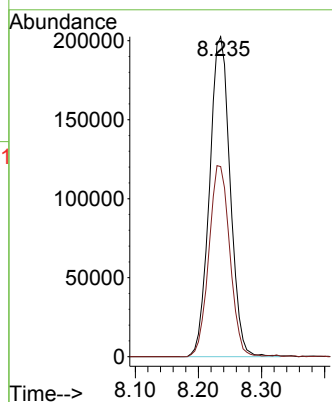
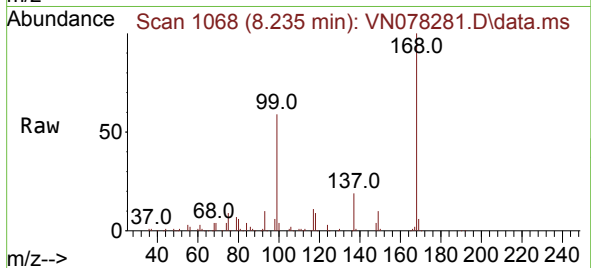
BP-VPB-RW5-TB-20230609

Tgt Ion:168 Resp: 459717

Ion Ratio Lower Upper

168 100

99 59.4 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078281.D

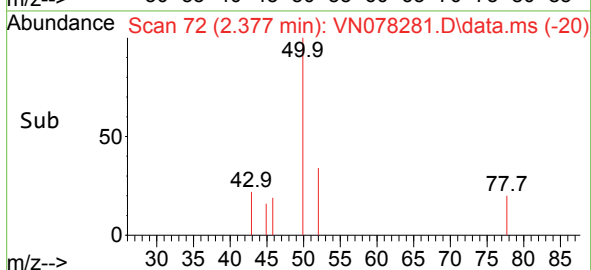
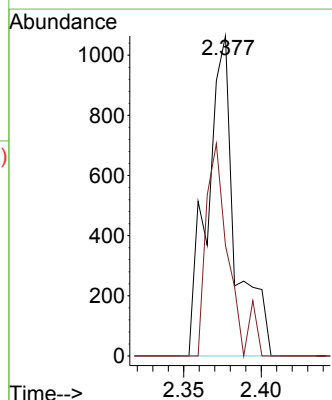
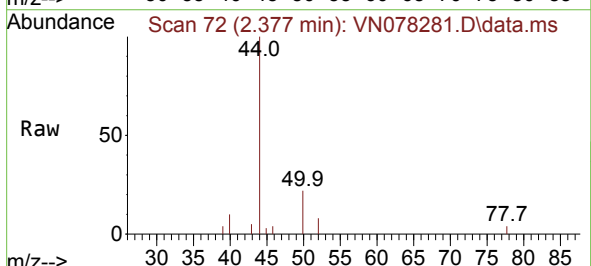
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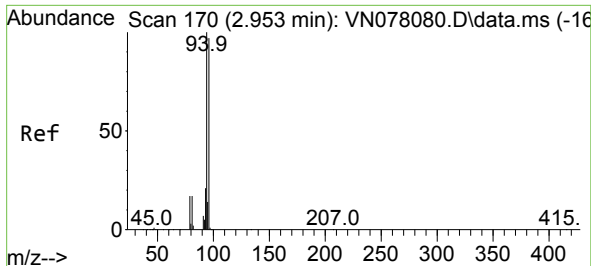
Tgt Ion: 50 Resp: 1338

Ion Ratio Lower Upper

50 100

52 34.5 26.5 39.7

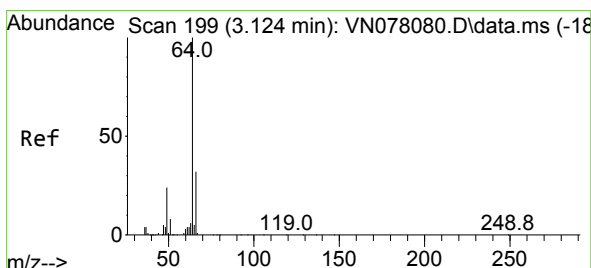
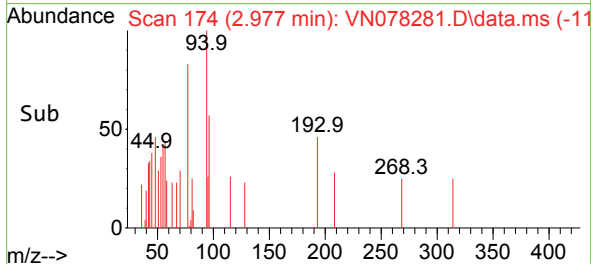
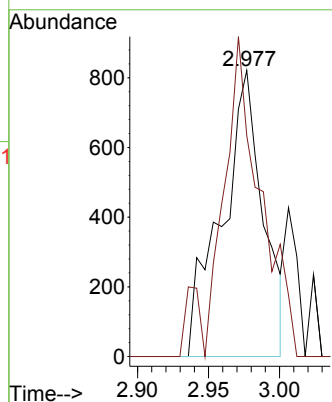
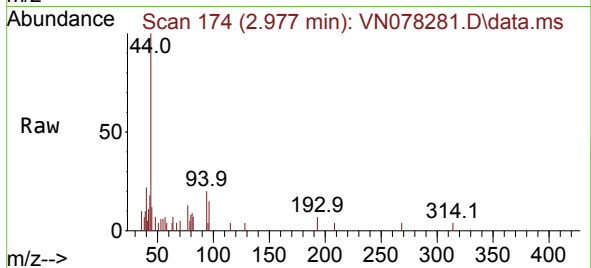




#5
Bromomethane
Concen: 0.324 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

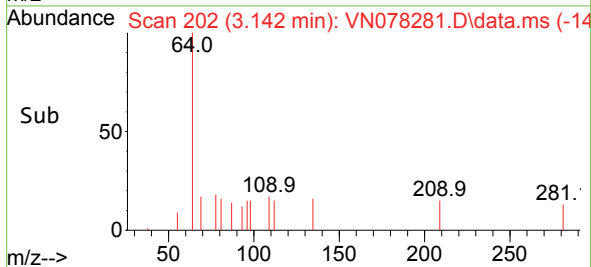
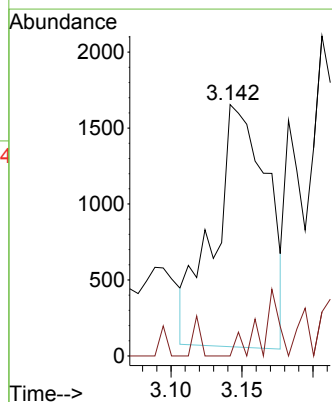
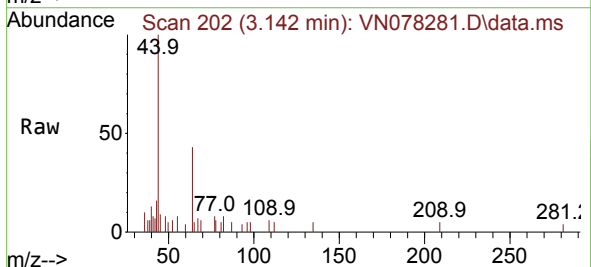
Instrument :
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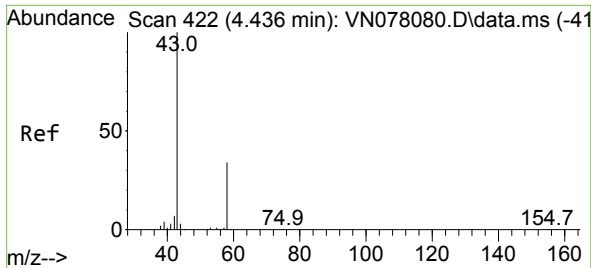
Tgt Ion: 94 Resp: 1666
Ion Ratio Lower Upper
94 100
96 77.2 73.1 109.7



#6
Chloroethane
Concen: 0.893 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

Tgt Ion: 64 Resp: 4143
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

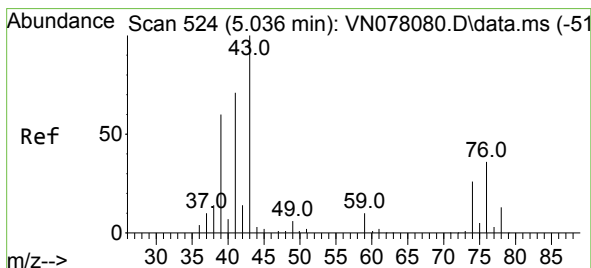
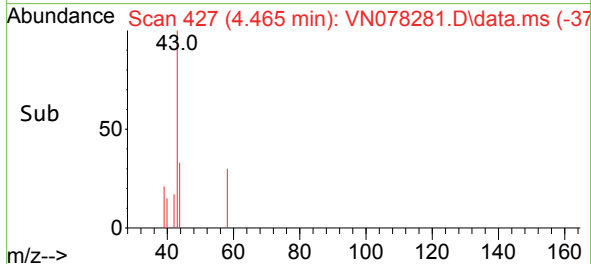
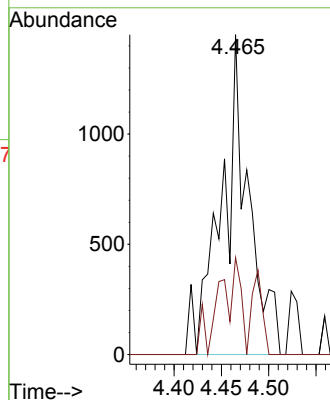
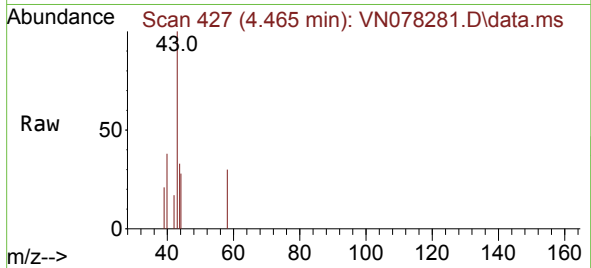




#16
Acetone
Concen: 1.637 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

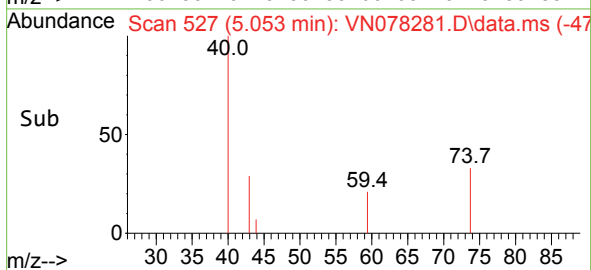
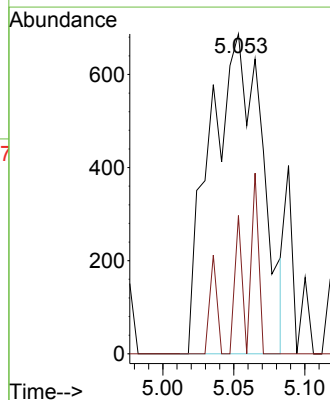
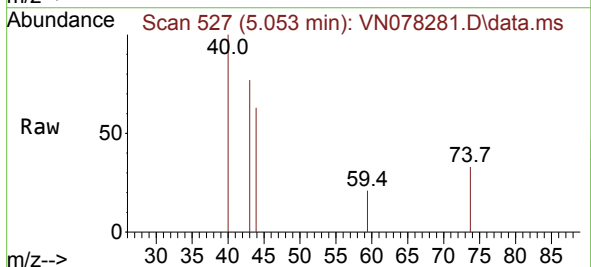
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20230609

Tgt Ion: 43 Resp: 2888
Ion Ratio Lower Upper
43 100
58 22.7 28.0 42.0#



#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.018 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

Tgt Ion: 43 Resp: 1749
Ion Ratio Lower Upper
43 100
74 6.0 26.2 39.4#

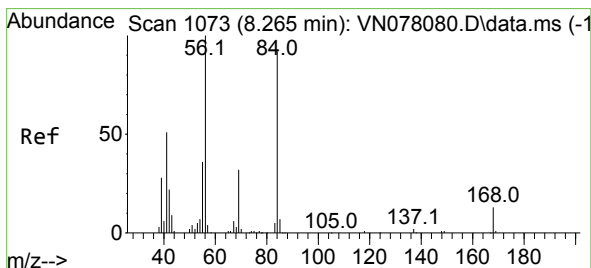
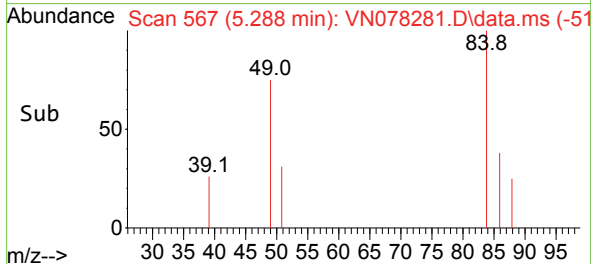
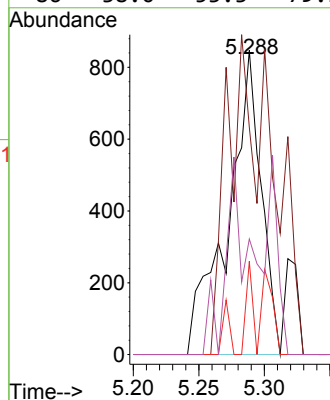
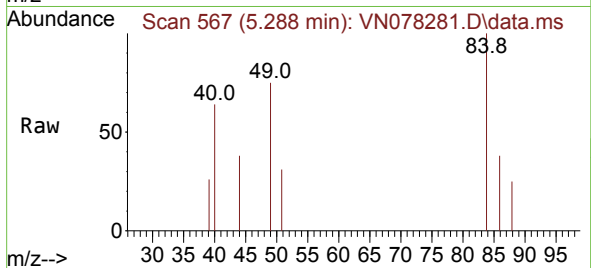




#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 5.288 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

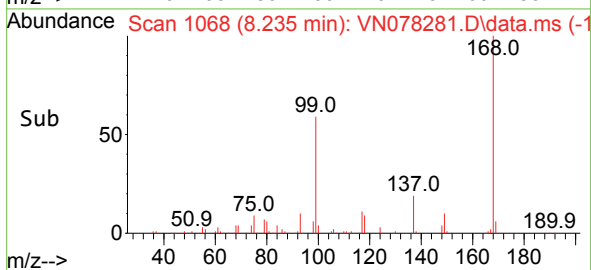
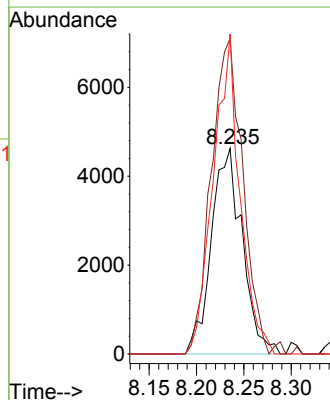
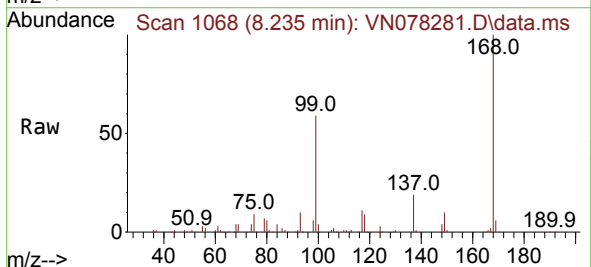
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20230609

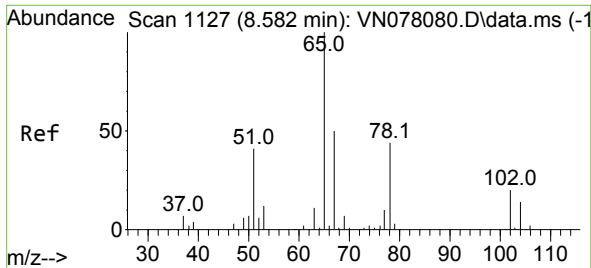
Tgt Ion:	84	Resp:	1494
Ion	Ratio	Lower	Upper
84	100		
49	74.6	79.7	119.5#
51	30.7	25.2	37.8
86	38.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.334 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

Tgt Ion:	56	Resp:	10490
Ion	Ratio	Lower	Upper
56	100		
69	153.7	26.8	40.2#
84	155.8	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 53.752 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078281.D

Acq: 19 Jun 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :

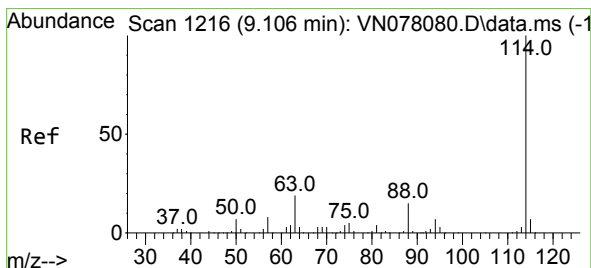
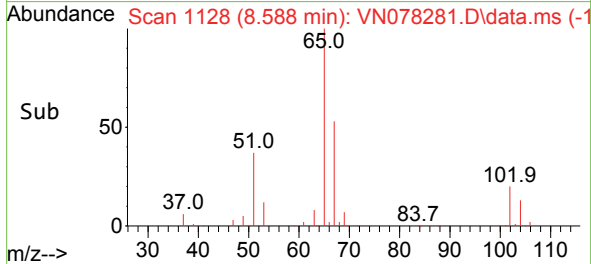
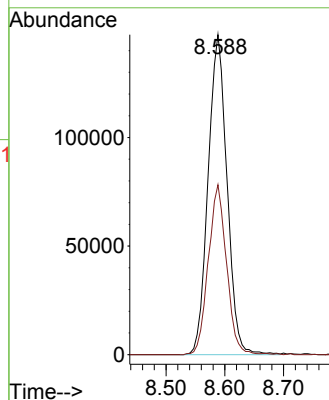
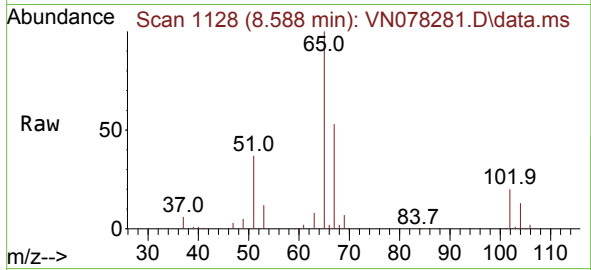
BP-VPB-RW5-TB-20230609

Tgt Ion: 65 Resp: 329471

Ion Ratio Lower Upper

65 100

67 51.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078281.D

Acq: 19 Jun 2023 15:48

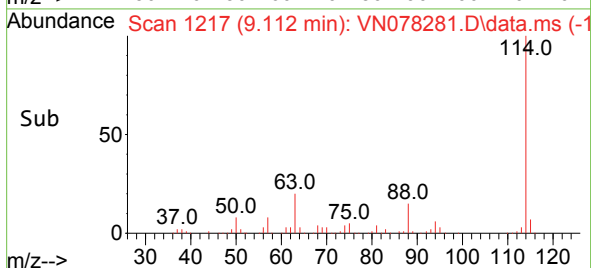
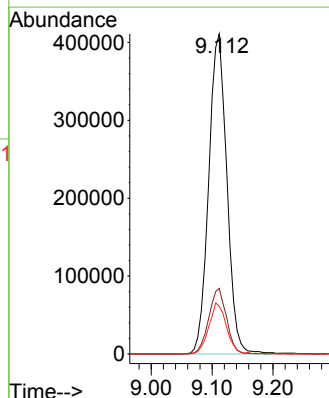
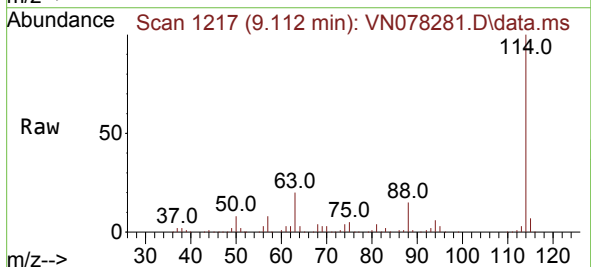
Tgt Ion: 114 Resp: 851884

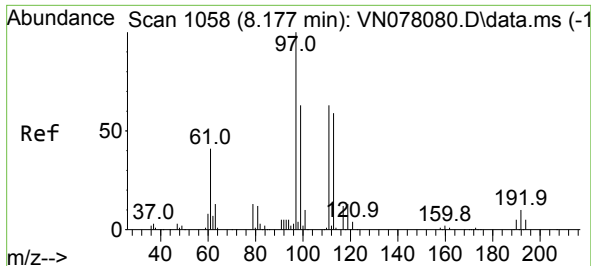
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 14.9 0.0 30.6

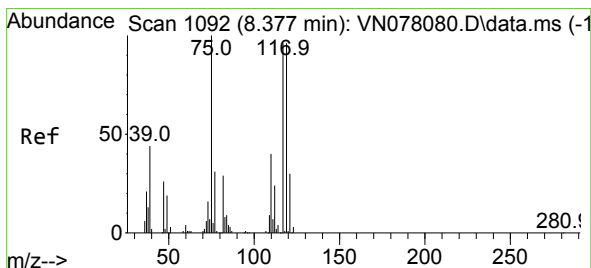
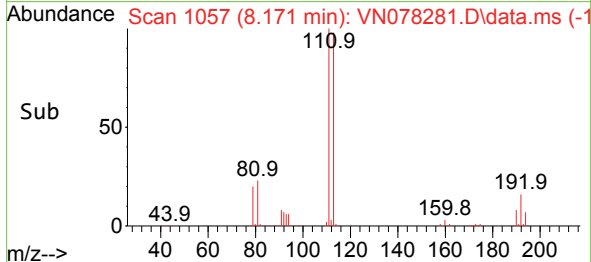
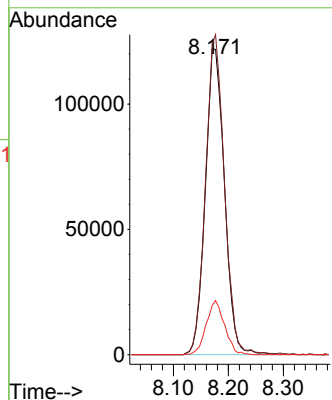
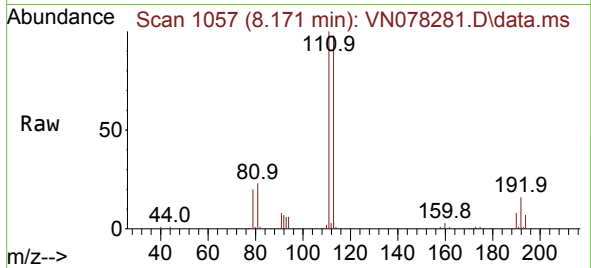




#35
Dibromofluoromethane
Concen: 54.970 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

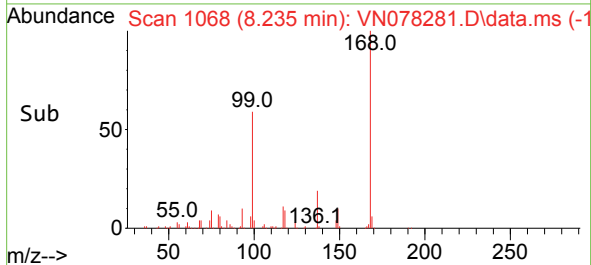
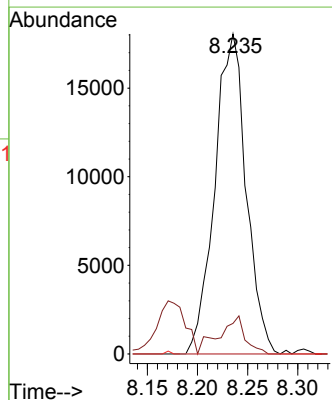
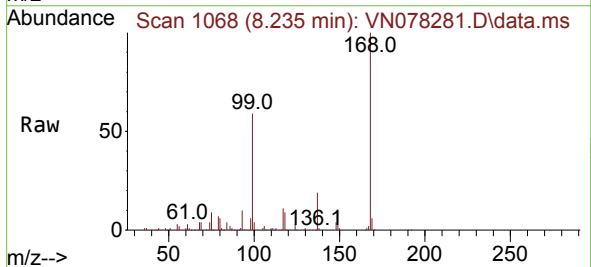
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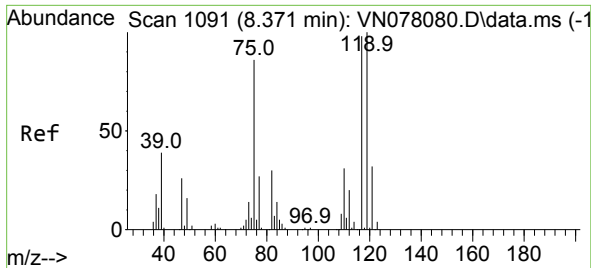
Tgt Ion:113 Resp: 296086
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 17.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.090 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

Tgt Ion: 75 Resp: 39322
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.0 25.0 37.4#

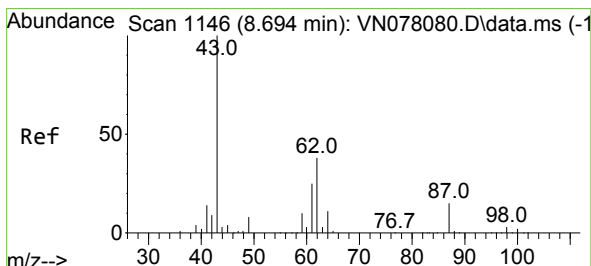
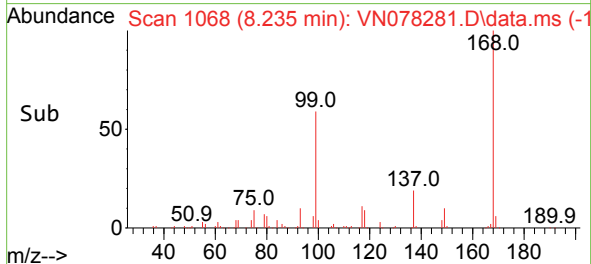
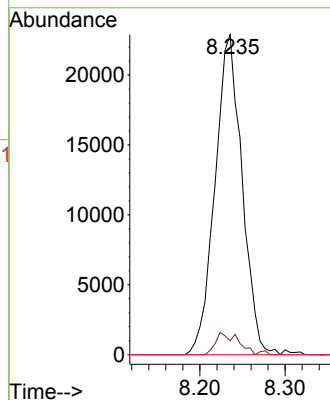
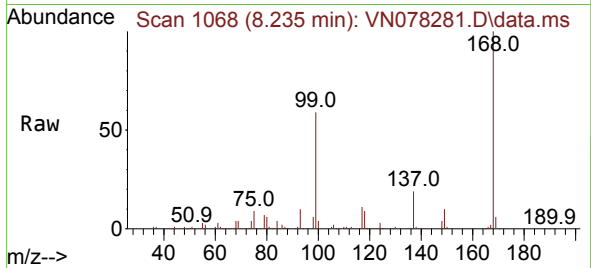




#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

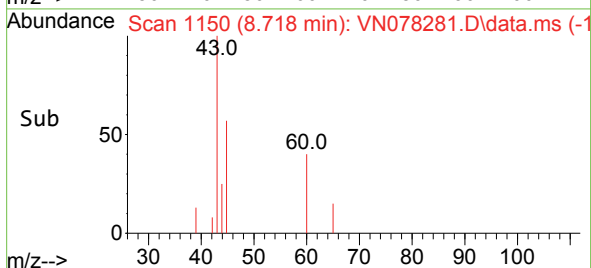
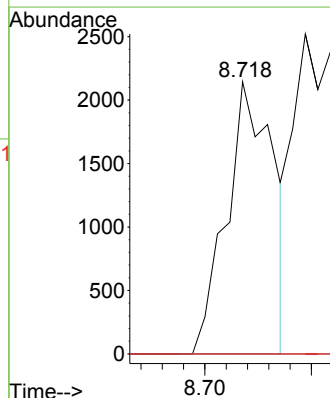
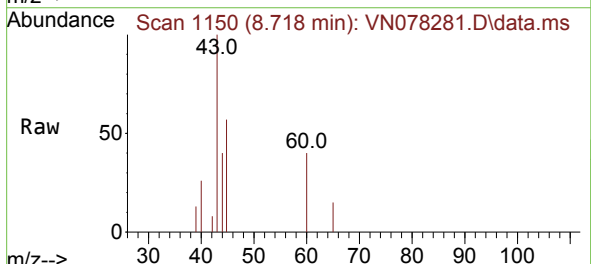
Instrument :
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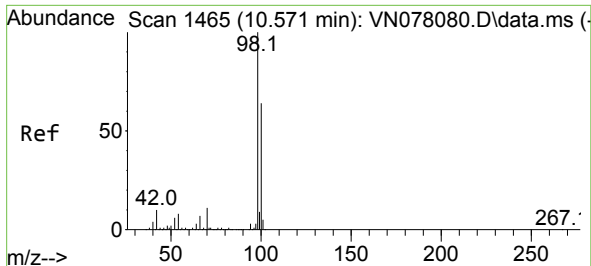
Tgt Ion:117 Resp: 50384
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.284 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.023 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

Tgt Ion: 43 Resp: 3278
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

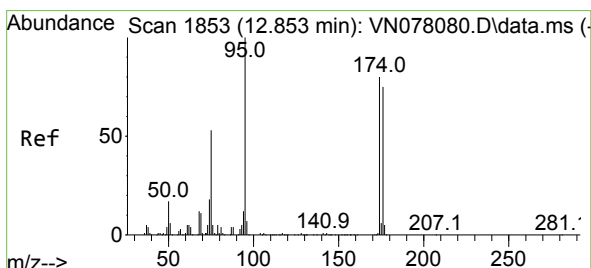
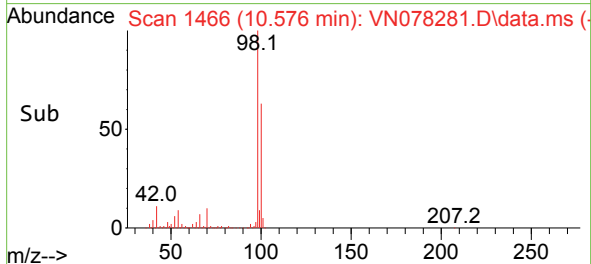
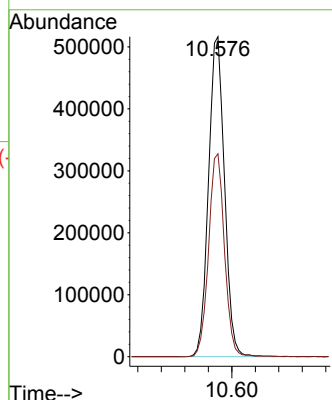
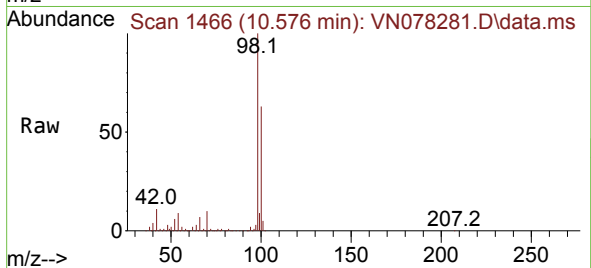




#50
Toluene-d8
Concen: 47.039 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

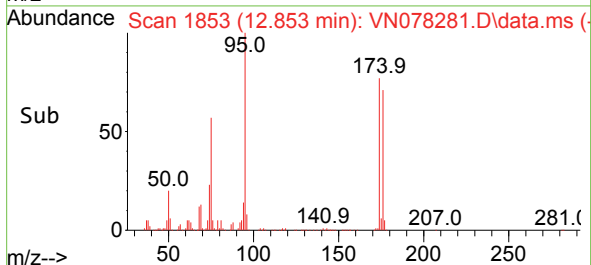
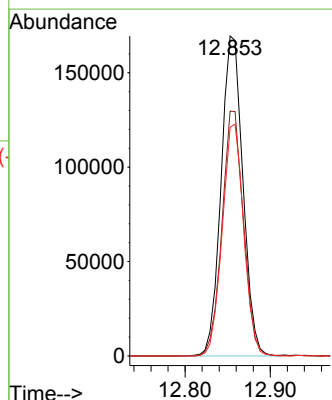
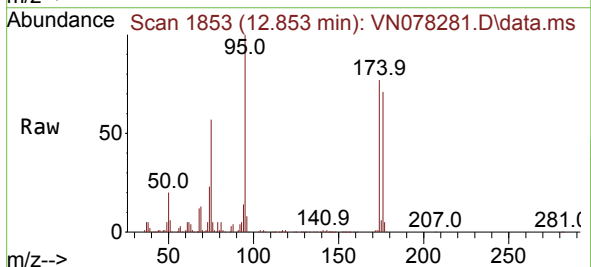
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20230609

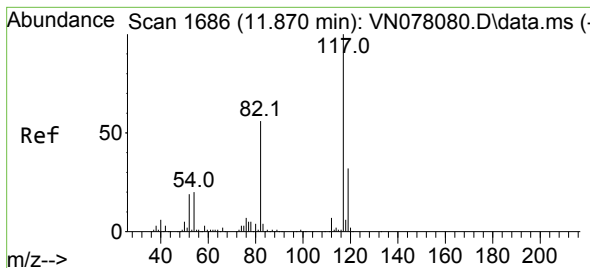
Tgt Ion: 98 Resp: 976758
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.687 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

Tgt Ion: 95 Resp: 301381
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 71.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078281.D

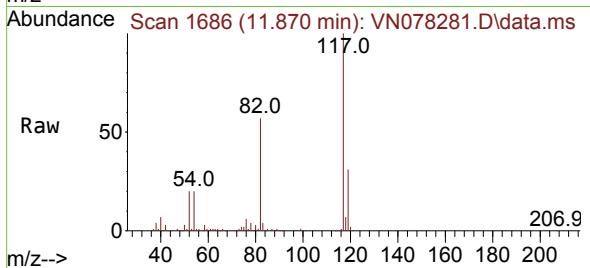
Acq: 19 Jun 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-TB-20230609



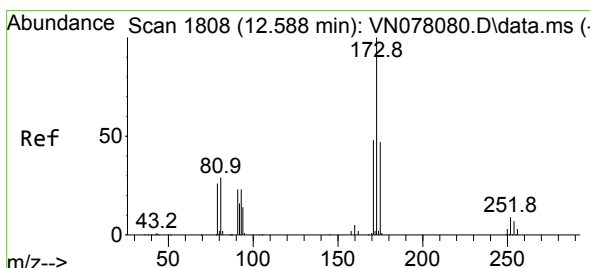
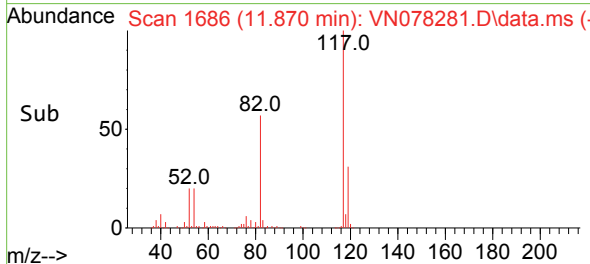
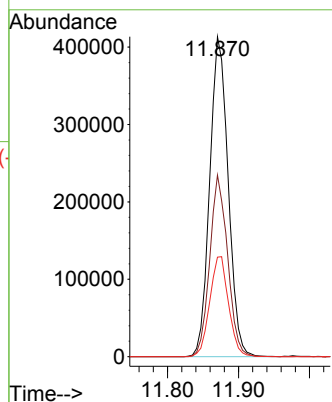
Tgt Ion:117 Resp: 746110

Ion Ratio Lower Upper

117 100

82 56.7 44.0 66.0

119 31.1 25.6 38.4



#71

Bromoform

Concen: 0.594 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.253 min

Lab File: VN078281.D

Acq: 19 Jun 2023 15:48

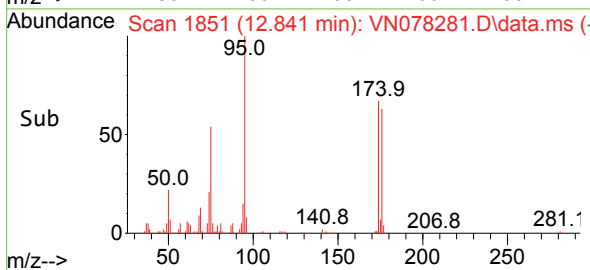
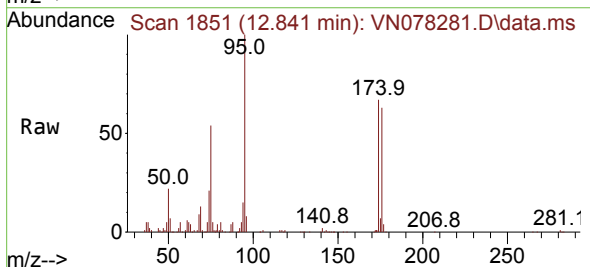
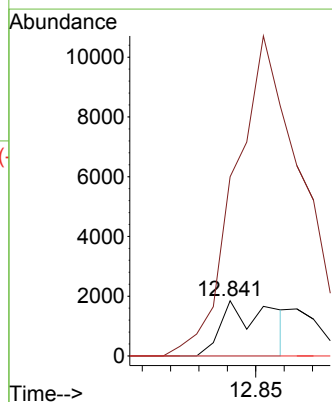
Tgt Ion:173 Resp: 2254

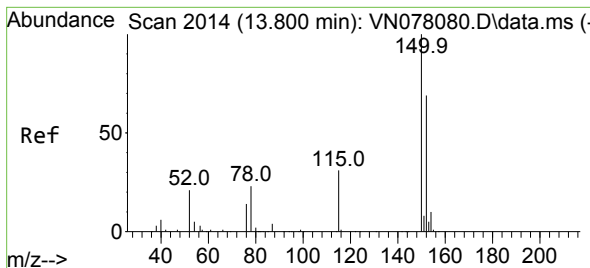
Ion Ratio Lower Upper

173 100

175 647.1 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# 20

Delta R.T. -0.000 min

Lab File: VN078281.D

Acq: 19 Jun 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-TB-20230609

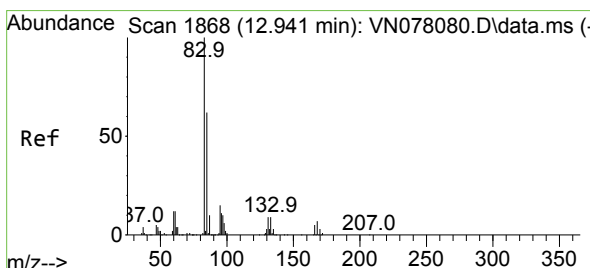
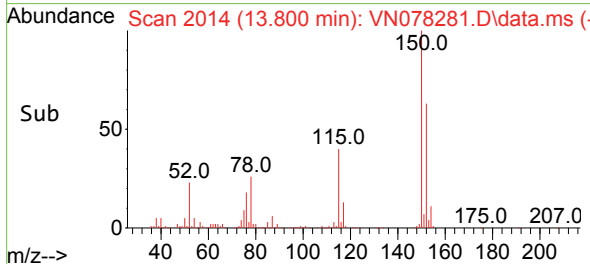
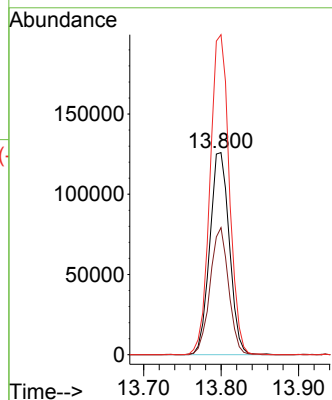
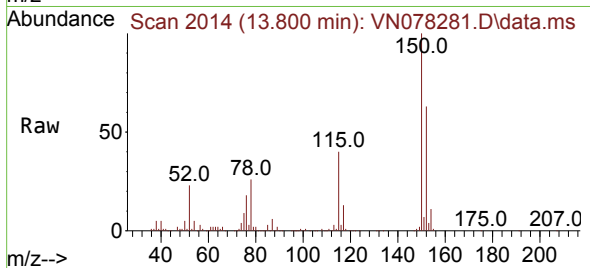
Tgt Ion:152 Resp: 220735

Ion Ratio Lower Upper

152 100

115 59.5 32.3 96.8

150 156.1 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.847 min Scan# 1852

Delta R.T. -0.094 min

Lab File: VN078281.D

Acq: 19 Jun 2023 15:48

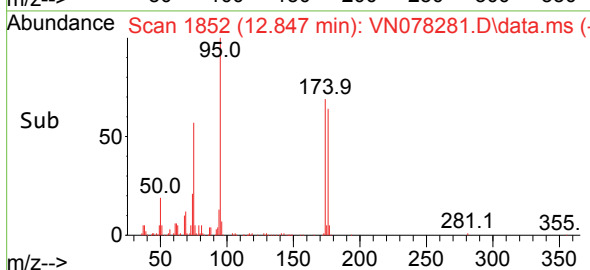
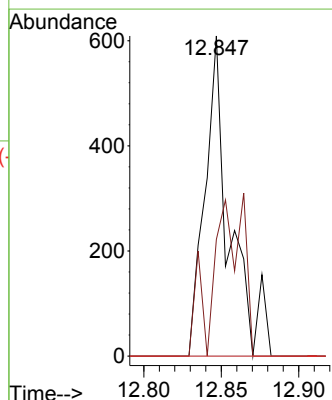
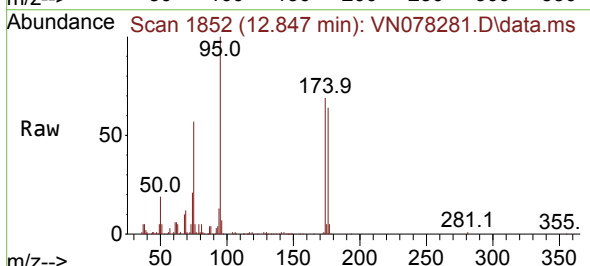
Tgt Ion: 83 Resp: 674

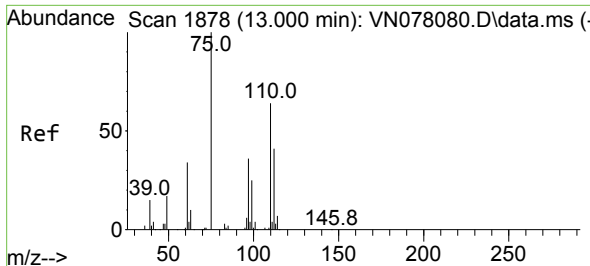
Ion Ratio Lower Upper

83 100

131 62.3 5.0 15.0#

85 0.0 31.9 95.7#

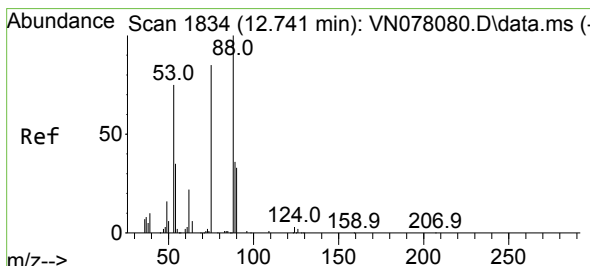
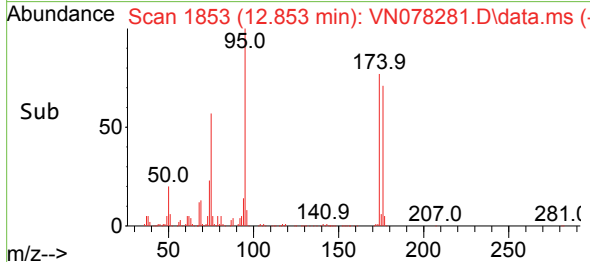
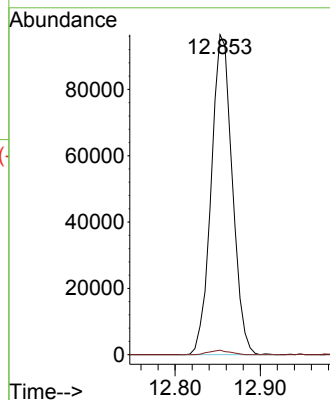
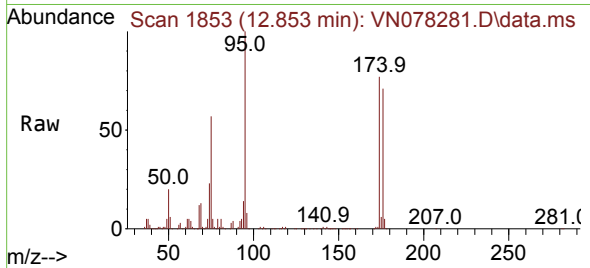




#76
1,2,3-Trichloropropane
Concen: 31.738 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

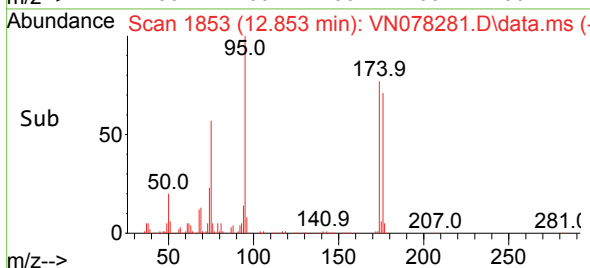
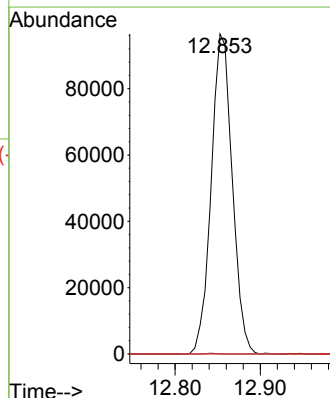
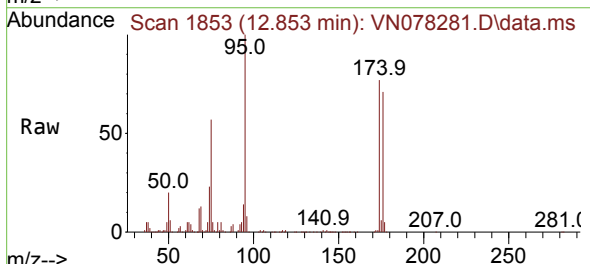
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20230609

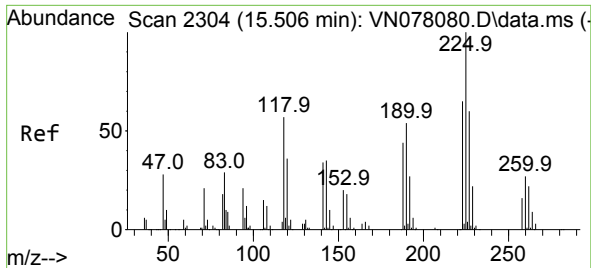
Tgt Ion: 75 Resp: 165618
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.510 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

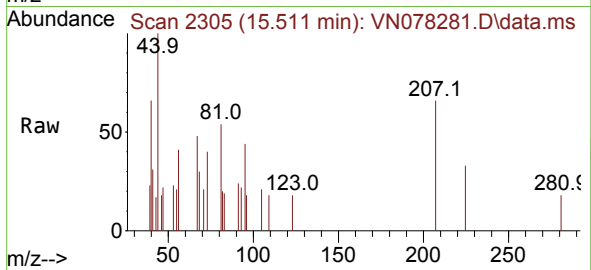
Tgt Ion: 75 Resp: 165618
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.511 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN078281.D
Acq: 19 Jun 2023 15:48

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20230609



Tgt Ion:	225	Resp:	297
Ion	Ratio	Lower	Upper
225	100		
223	23.9	31.3	93.8#
227	19.2	31.9	95.9#

