

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078280.D
 Acq On : 19 Jun 2023 15:24
 Operator : JC\MD
 Sample : 03310-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-883-885

Quant Time: Jun 20 01:28:34 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)

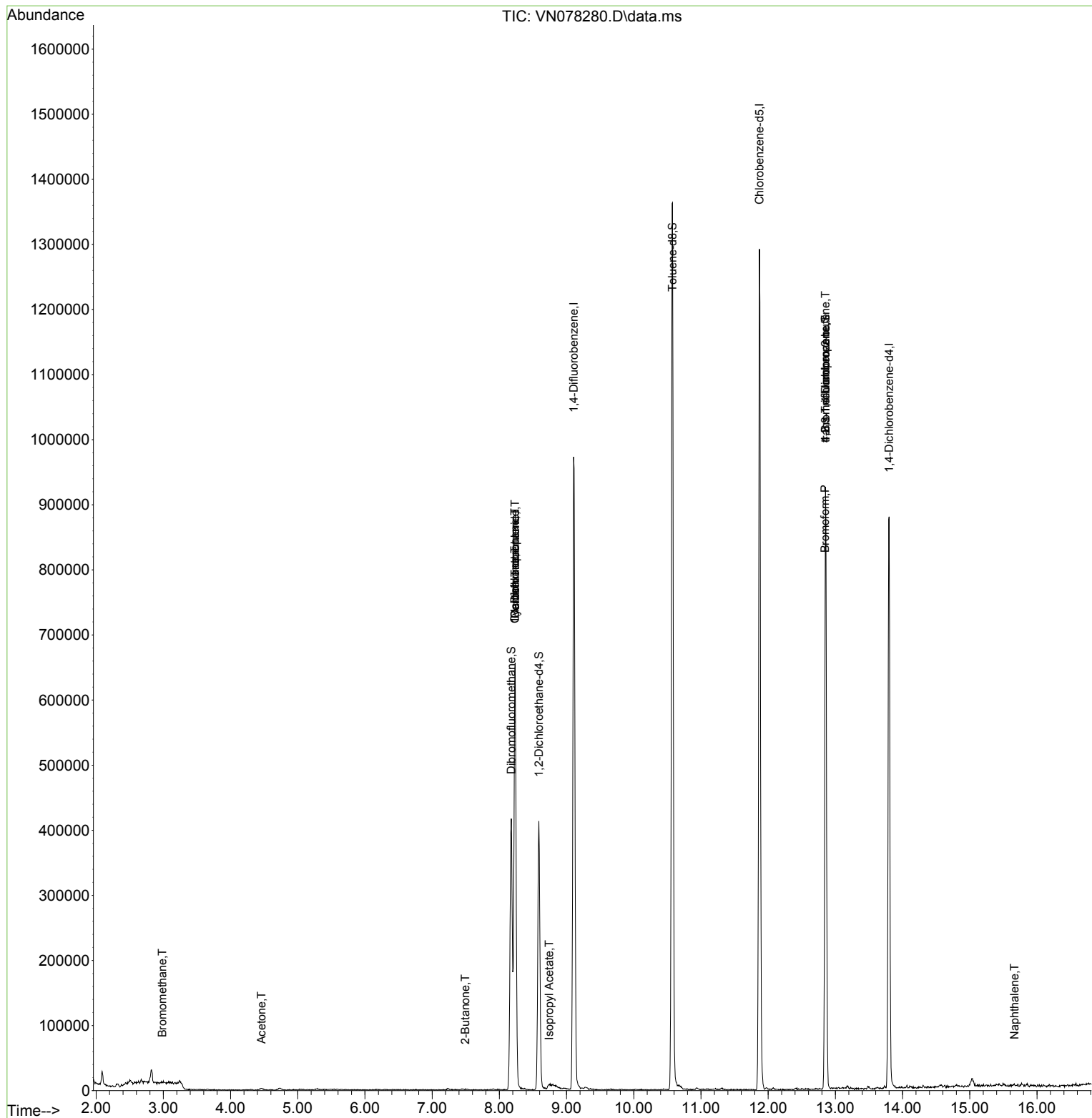
Internal Standards						
1) Pentafluorobenzene	8.235	168	470496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	874155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	785149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	247520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	333580	53.176	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.360%			
35) Dibromofluoromethane	8.177	113	303304	54.875	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.760%			
50) Toluene-d8	10.576	98	1002503	47.049	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.100%			
62) 4-Bromofluorobenzene	12.853	95	330200	49.849	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.700%			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	1743	Below Cal		99
5) Bromomethane	2.983	94	1937	0.368 ug/l		99
16) Acetone	4.459	43	5155	2.855 ug/l		91
25) 2-Butanone	7.494	43	1255	0.452 ug/l #		37
31) Cyclohexane	8.229	56	12461	1.549 ug/l #		48
36) 1,1-Dichloropropene	8.229	75	40533	5.113 ug/l #		48
38) Carbon Tetrachloride	8.235	117	51254	6.123 ug/l #		15
43) Isopropyl Acetate	8.741	43	5013	0.423 ug/l #		49
71) Bromoform	12.847	173	1075	0.269 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.941	83	348	Below Cal #		26
76) 1,2,3-Trichloropropane	12.853	75	177967	30.414 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	177967	93.442 ug/l #		15
94) Hexachlorobutadiene	15.517	225	134	Below Cal #		49
95) Naphthalene	15.664	128	2544	0.236 ug/l #		87

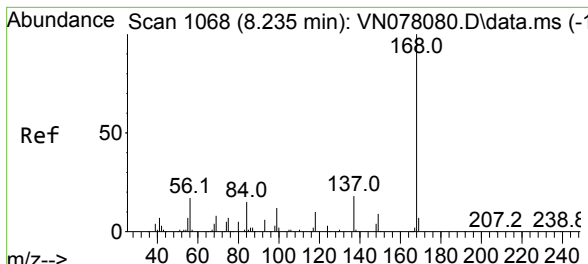
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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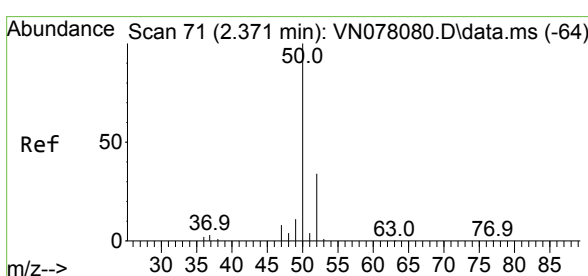
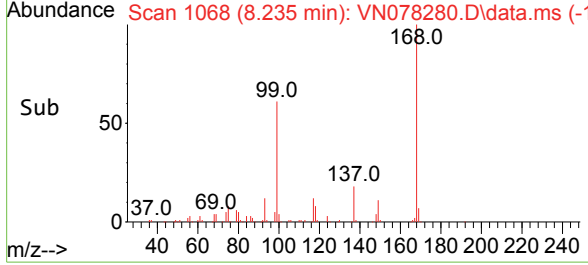
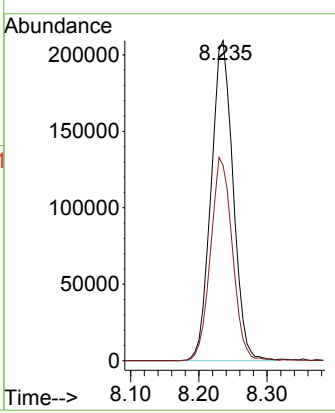
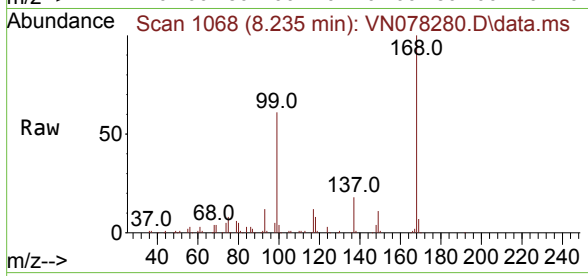


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.235 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN078280.D
 Acq: 19 Jun 2023 15:24

Instrument : MSVOA_N
 ClientSampleId : BP-VPB-RW11-GW-883-885

Tgt Ion:168 Resp: 470496

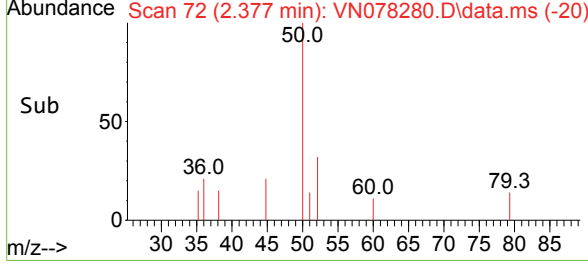
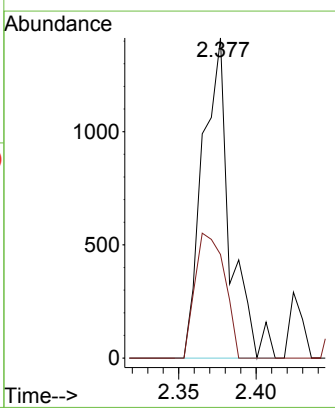
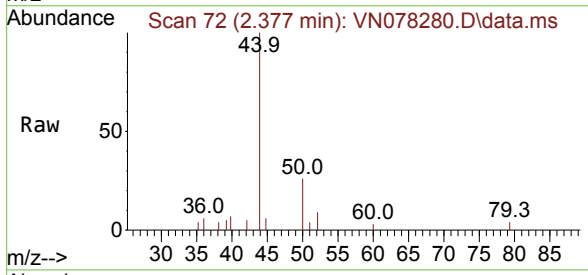
Ion	Ratio	Lower	Upper
168	100		
99	61.1	53.0	79.6

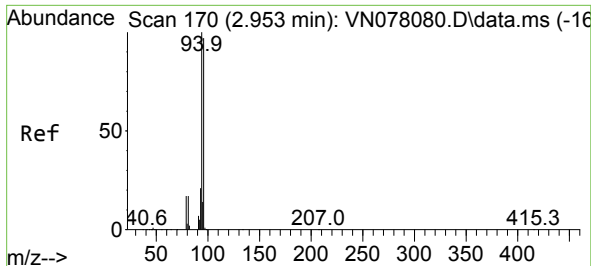


#3
 Chloromethane
 Concen: Below Cal
 RT: 2.377 min Scan# 72
 Delta R.T. 0.006 min
 Lab File: VN078280.D
 Acq: 19 Jun 2023 15:24

Tgt Ion: 50 Resp: 1743

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.5	39.7

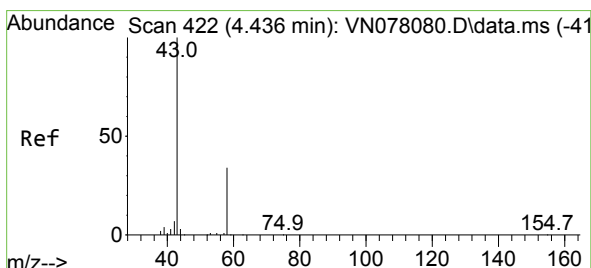
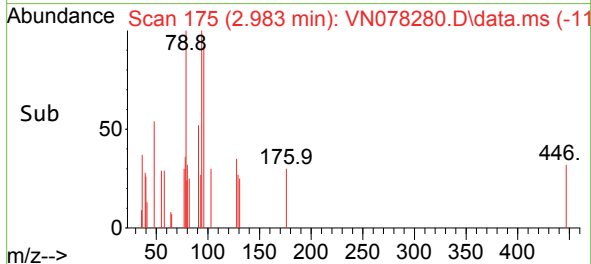
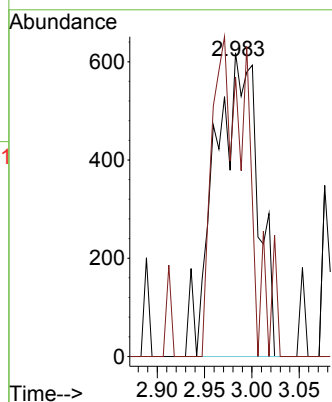
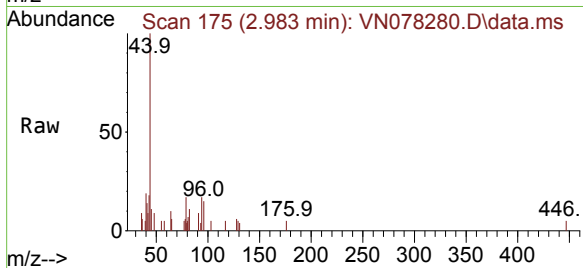




#5
Bromomethane
Concen: 0.368 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

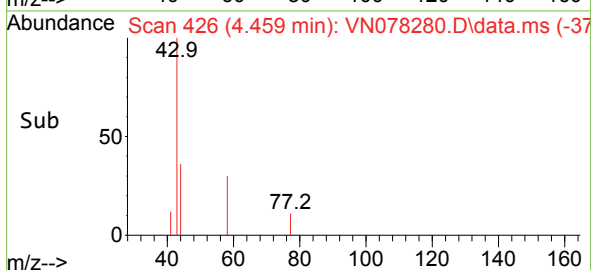
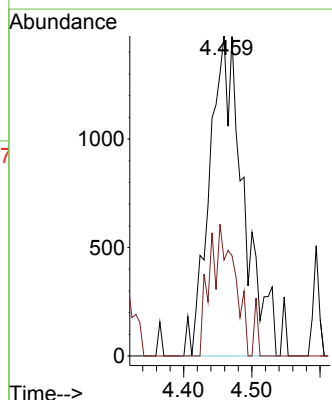
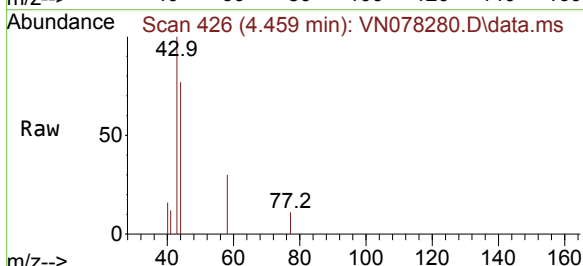
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-883-885

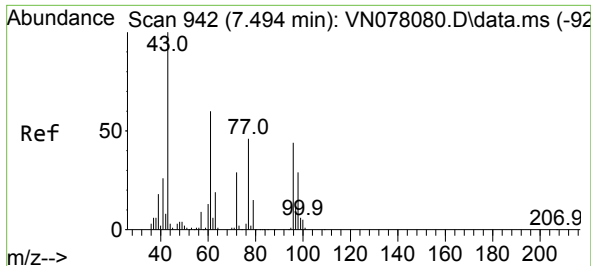
Tgt Ion: 94 Resp: 1937
Ion Ratio Lower Upper
94 100
96 92.1 73.1 109.7



#16
Acetone
Concen: 2.855 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.023 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

Tgt Ion: 43 Resp: 5155
Ion Ratio Lower Upper
43 100
58 30.0 28.0 42.0

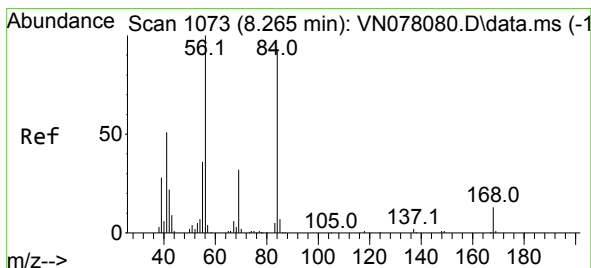
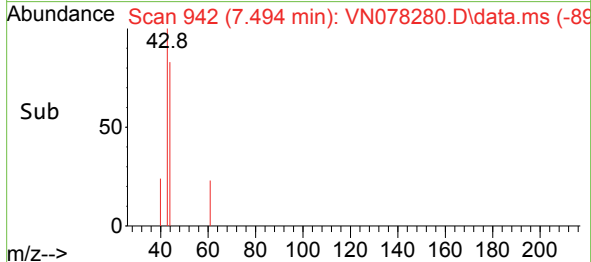
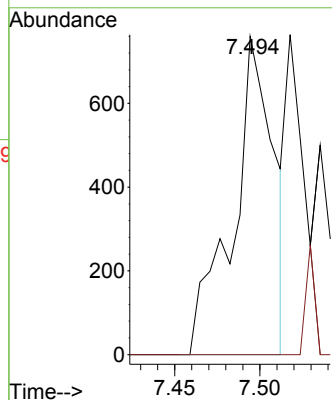
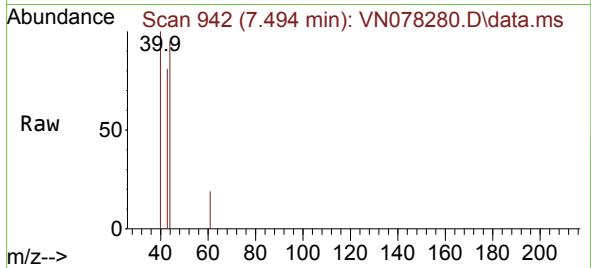




#25
2-Butanone
Concen: 0.452 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

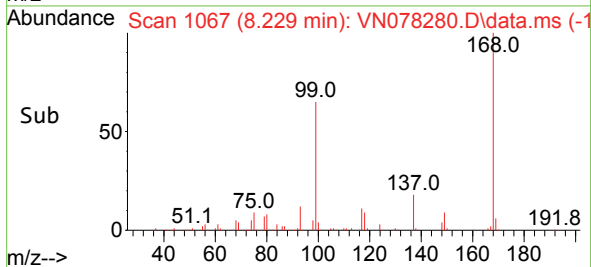
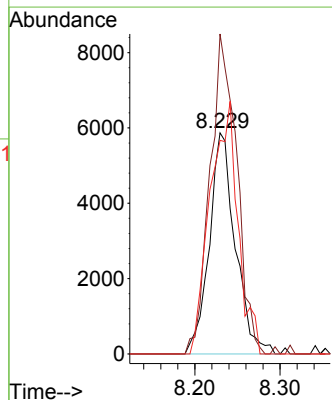
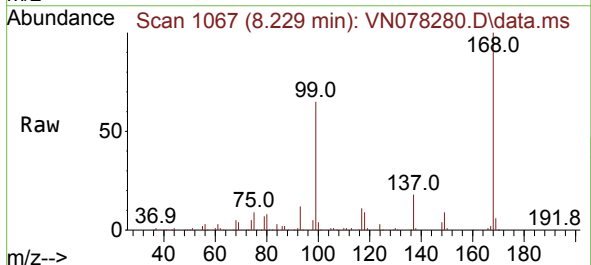
Instrument :
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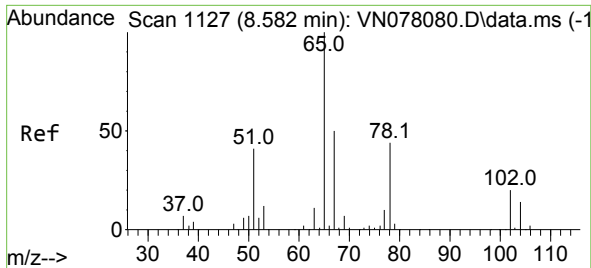
Tgt Ion: 43 Resp: 1255
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.549 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

Tgt Ion: 56 Resp: 12461
Ion Ratio Lower Upper
56 100
69 144.7 26.8 40.2#
84 96.6 81.8 122.6

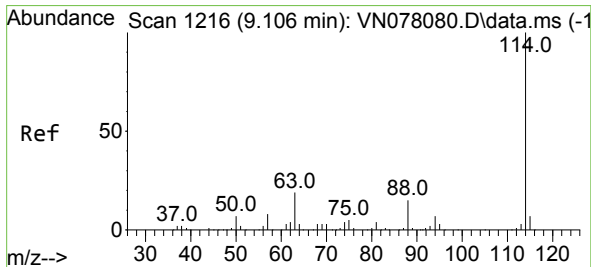
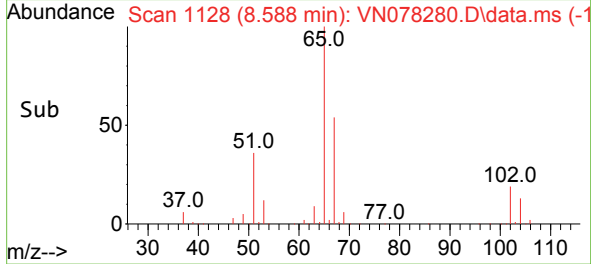
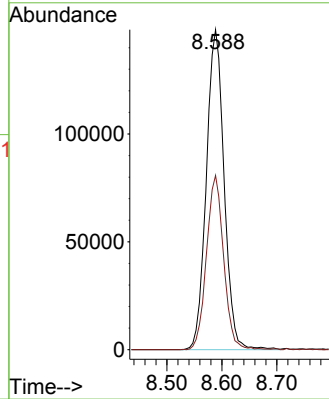
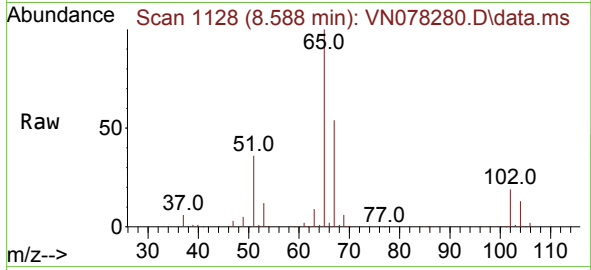




#33
 1,2-Dichloroethane-d4
 Concen: 53.176 ug/l
 RT: 8.588 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VN078280.D
 Acq: 19 Jun 2023 15:24

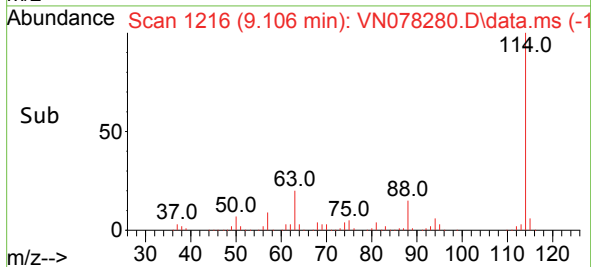
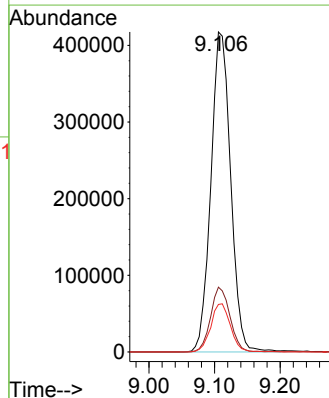
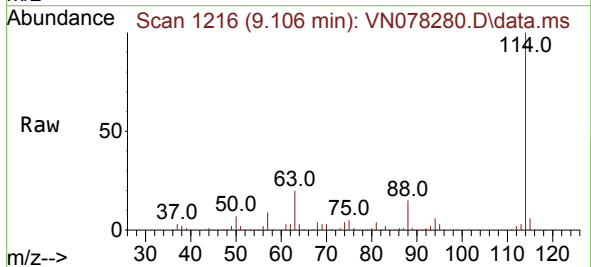
Instrument :
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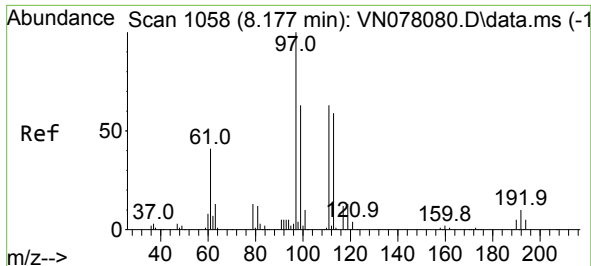
Tgt Ion: 65 Resp: 333580
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN078280.D
 Acq: 19 Jun 2023 15:24

Tgt Ion: 114 Resp: 874155
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 36.4
 88 14.8 0.0 30.6

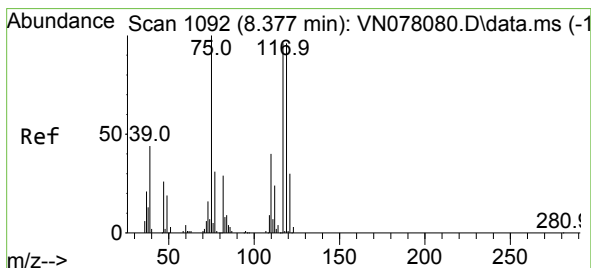
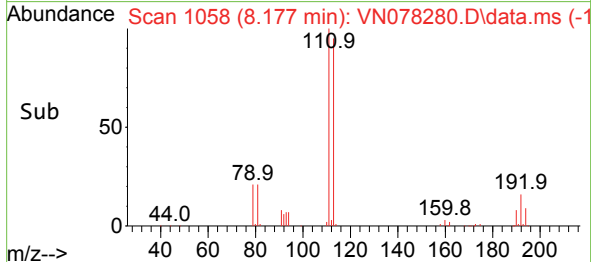
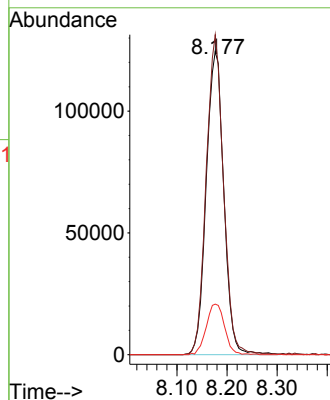
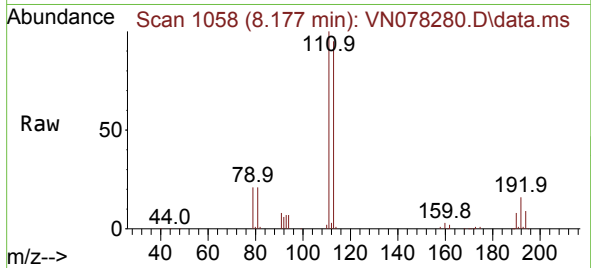




#35
 Dibromofluoromethane
 Concen: 54.875 ug/l
 RT: 8.177 min Scan# 1058
 Delta R.T. -0.000 min
 Lab File: VN078280.D
 Acq: 19 Jun 2023 15:24

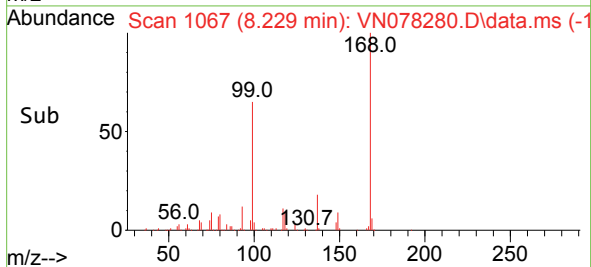
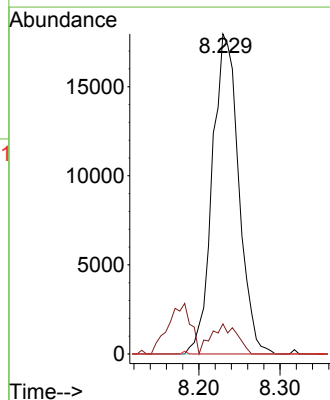
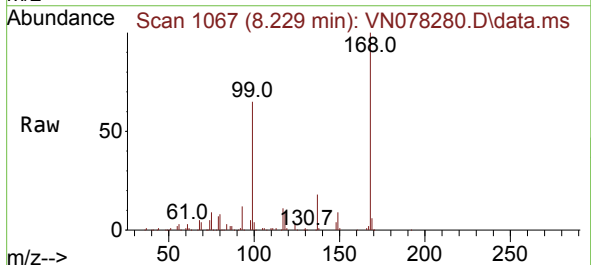
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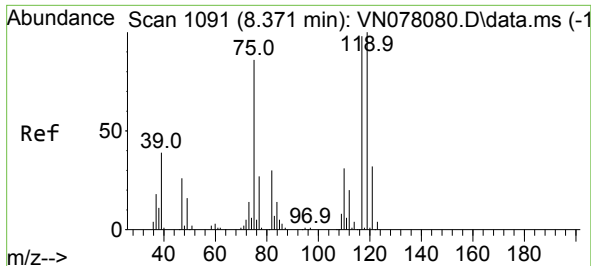
Tgt Ion:113 Resp: 303304
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.6 123.8
 192 17.4 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN078280.D
 Acq: 19 Jun 2023 15:24

Tgt Ion: 75 Resp: 40533
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.1 57.3#
 77 0.0 25.0 37.4#

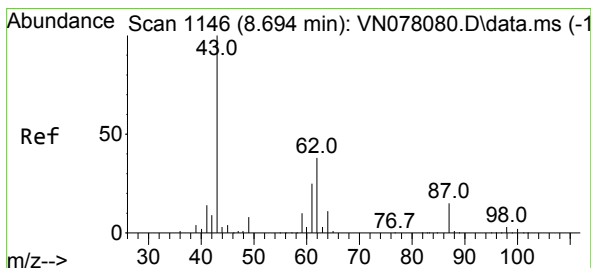
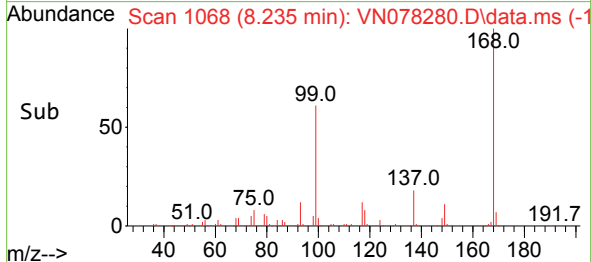
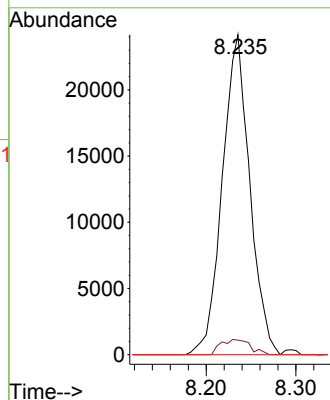
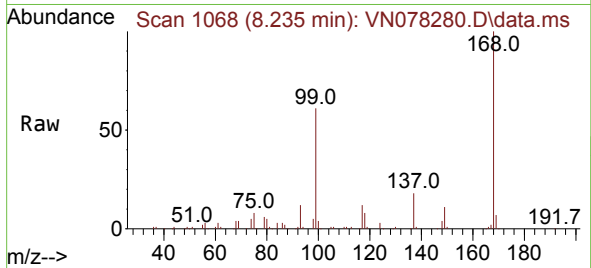




#38
Carbon Tetrachloride
Concen: 6.123 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

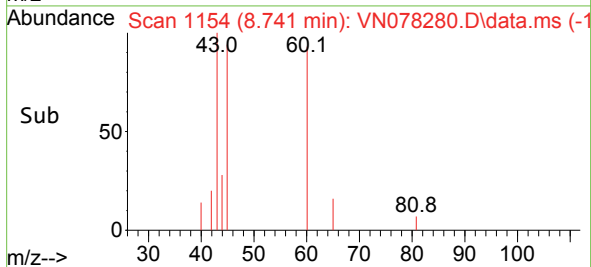
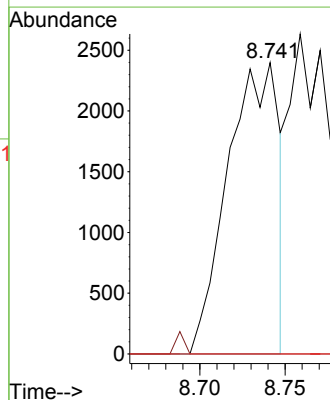
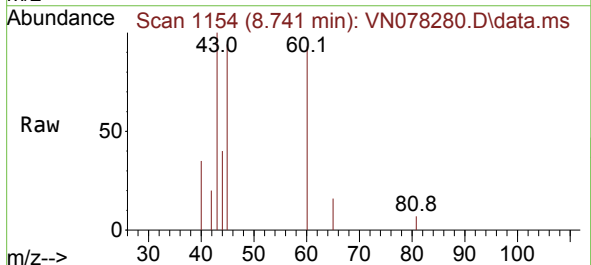
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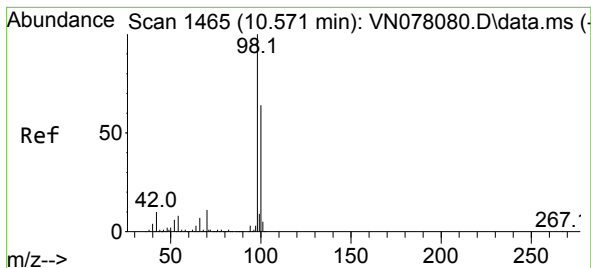
Tgt Ion:117 Resp: 51254
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.423 ug/l
RT: 8.741 min Scan# 1154
Delta R.T. 0.047 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

Tgt Ion: 43 Resp: 5013
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

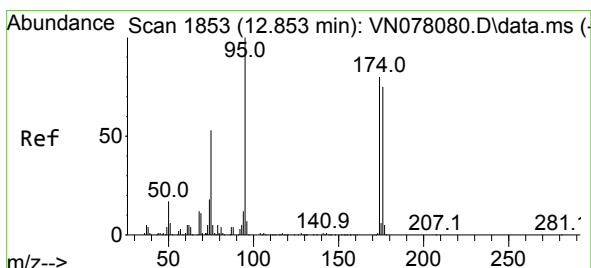
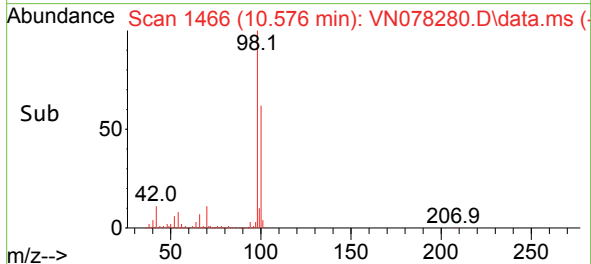
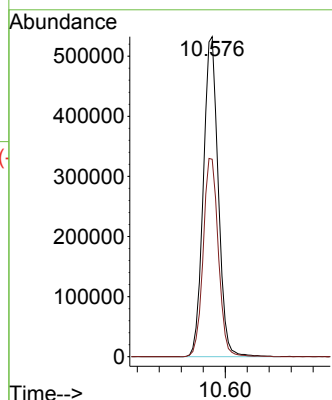
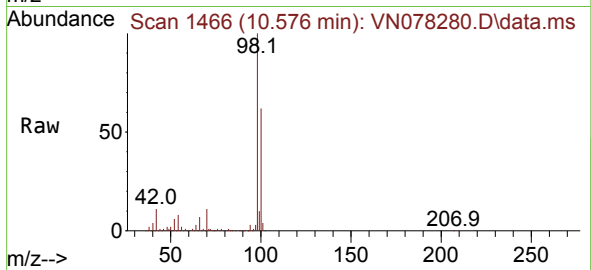




#50
Toluene-d8
Concen: 47.049 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

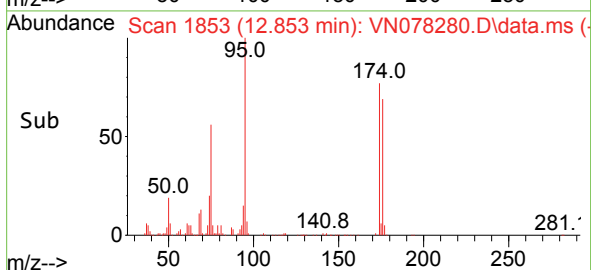
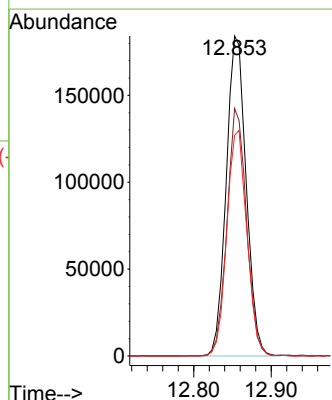
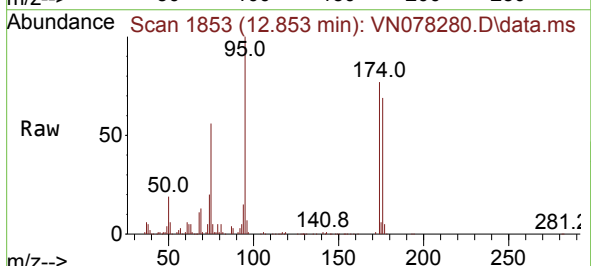
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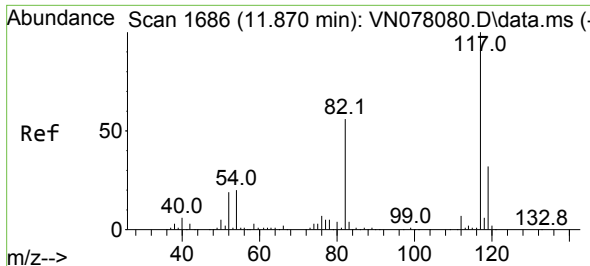
Tgt Ion: 98 Resp: 1002503
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.849 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

Tgt Ion: 95 Resp: 330200
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.8
176 70.7 0.0 135.8

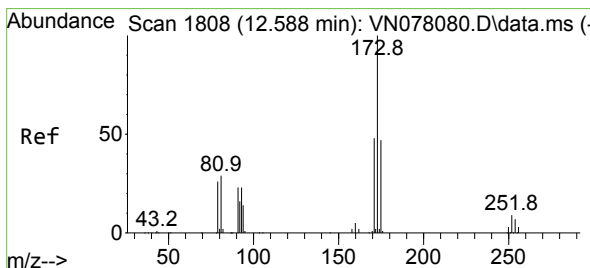
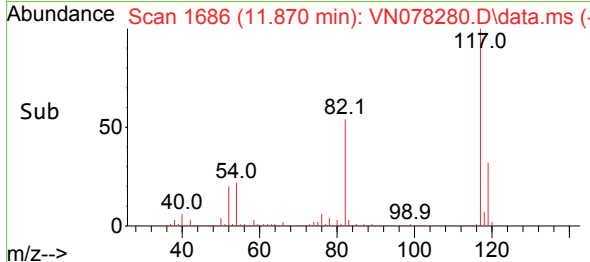
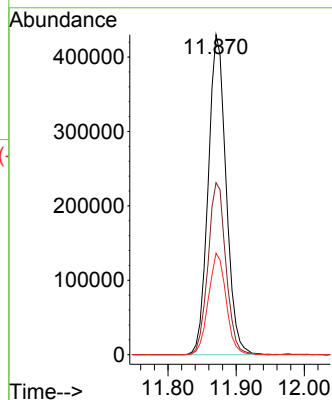
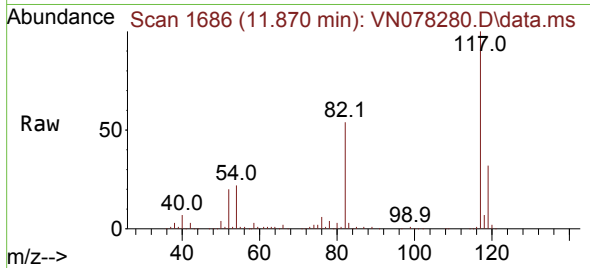




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

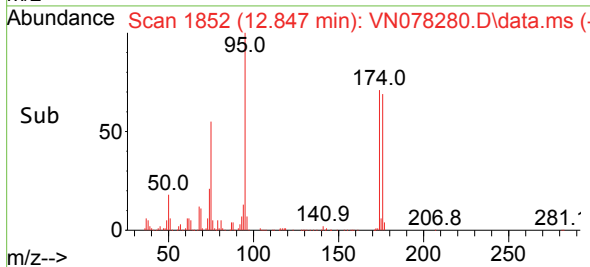
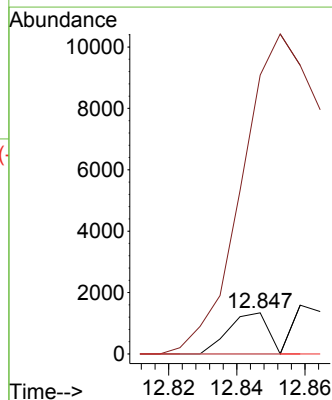
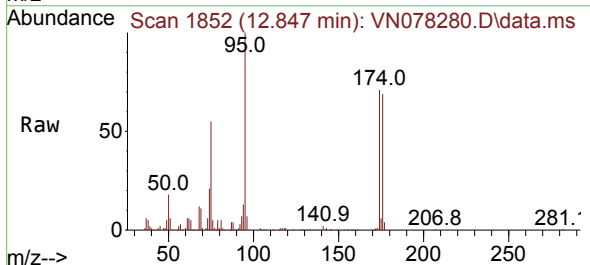
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-883-885

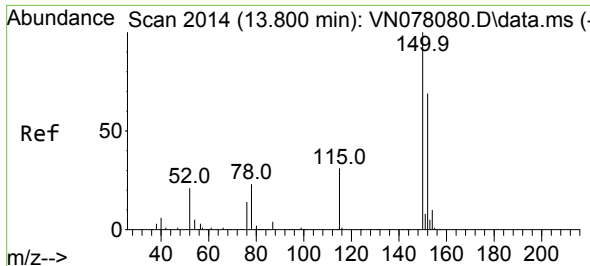
Tgt Ion:117 Resp: 785149
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 31.7 25.6 38.4



#71
Bromoform
Concen: 0.269 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.259 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

Tgt Ion:173 Resp: 1075
Ion Ratio Lower Upper
173 100
175 1483.7 24.3 73.0#
254 0.0 0.0 0.0

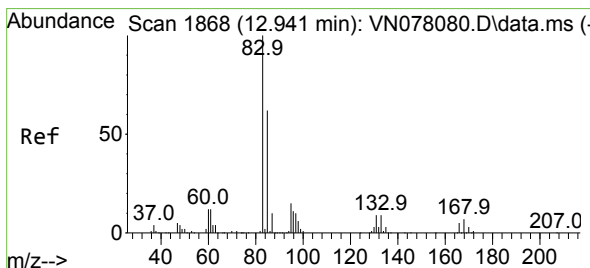
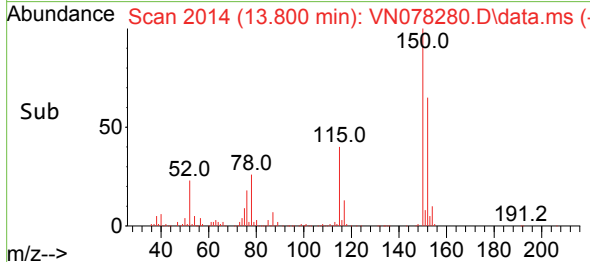
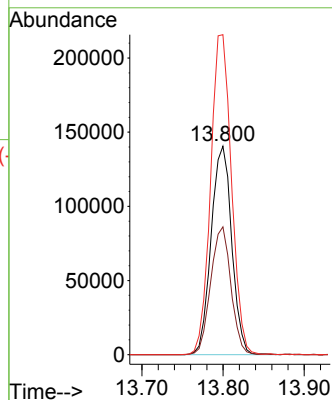
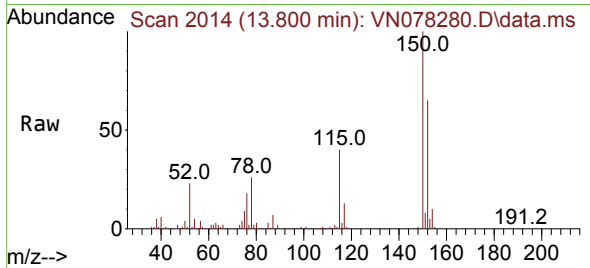




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078280.D
 Acq: 19 Jun 2023 15:24

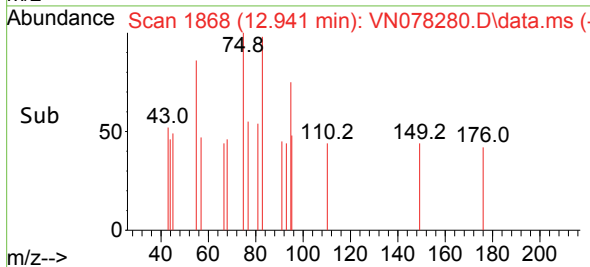
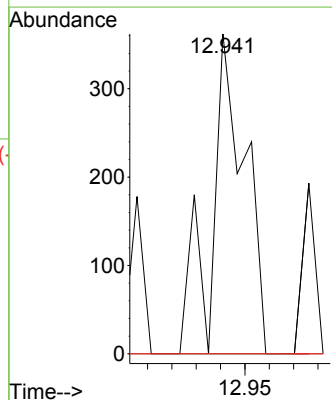
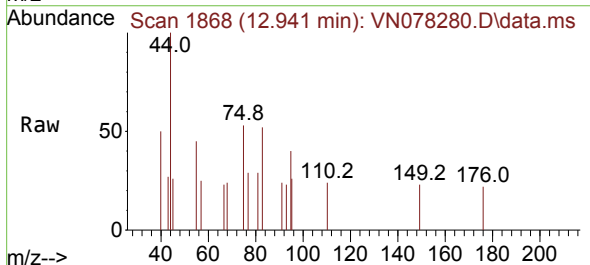
Instrument : MSVOA_N
 ClientSampleId : BP-VPB-RW11-GW-883-885

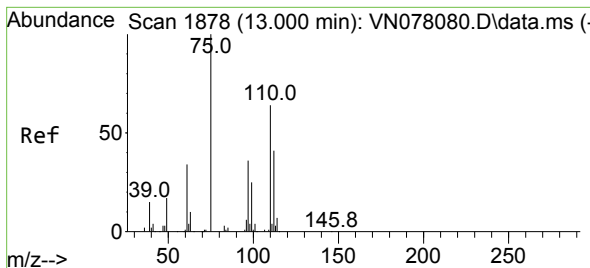
Tgt Ion:152 Resp: 247520
 Ion Ratio Lower Upper
 152 100
 115 60.3 32.3 96.8
 150 155.5 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.941 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: VN078280.D
 Acq: 19 Jun 2023 15:24

Tgt Ion: 83 Resp: 348
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 30.414 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078280.D

Acq: 19 Jun 2023 15:24

Instrument :

MSVOA_N

ClientSampleId :

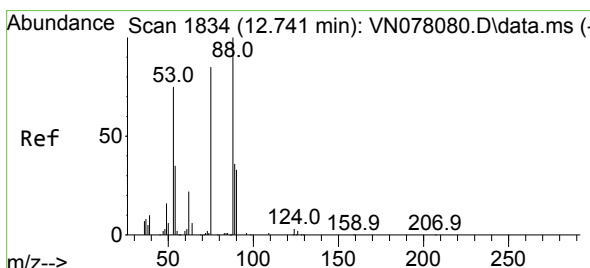
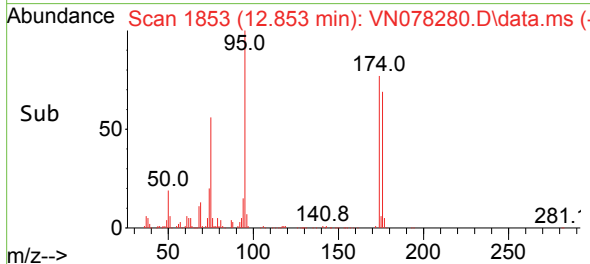
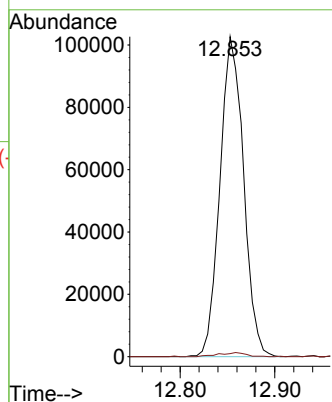
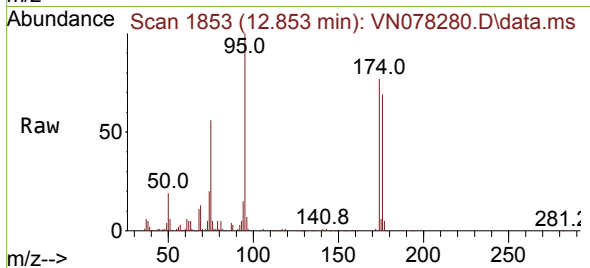
BP-VPB-RW11-GW-883-885

Tgt Ion: 75 Resp: 177967

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.442 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078280.D

Acq: 19 Jun 2023 15:24

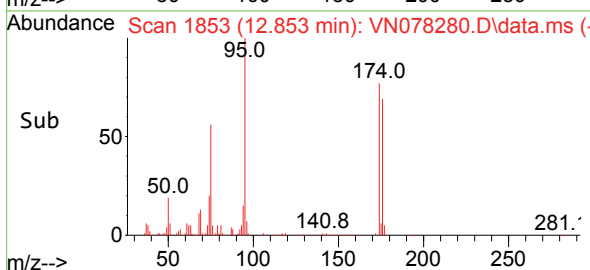
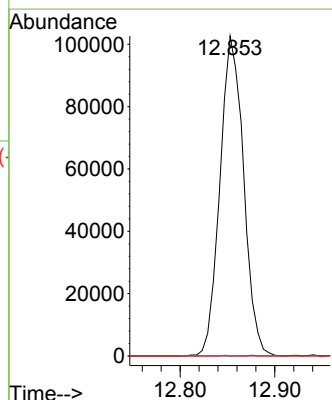
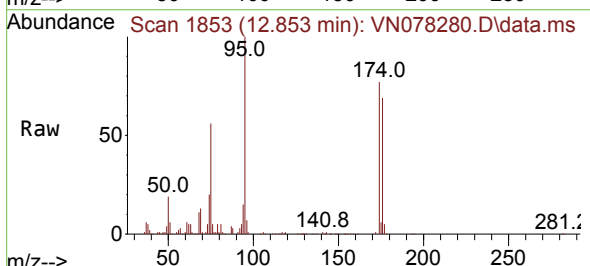
Tgt Ion: 75 Resp: 177967

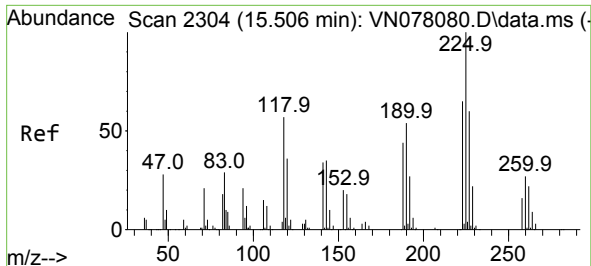
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.1 38.8 58.2#

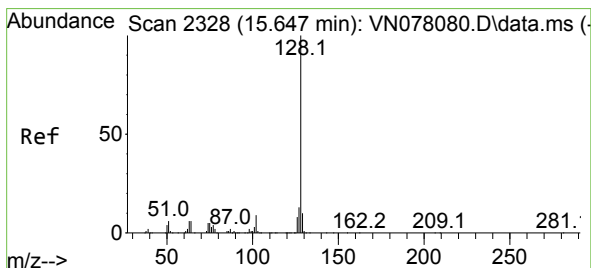
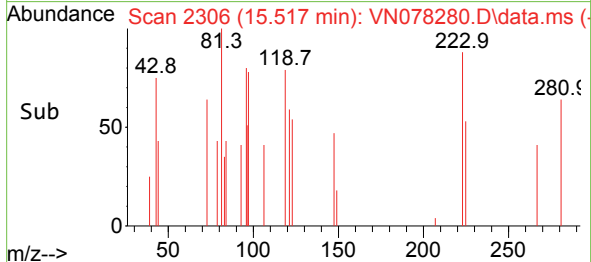
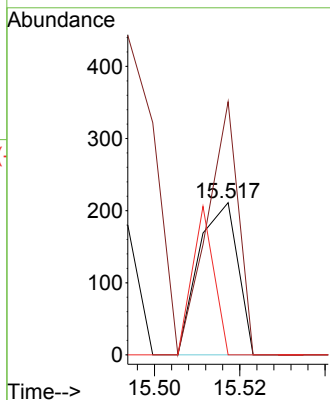
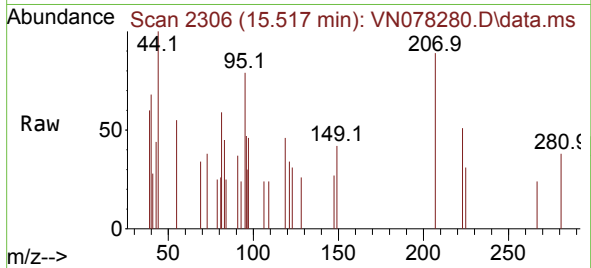




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.517 min Scan# 211
Delta R.T. 0.011 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-883-885

Tgt Ion:225 Resp: 134
Ion Ratio Lower Upper
225 100
223 132.8 31.3 93.8#
227 54.5 31.9 95.9



#95
Naphthalene
Concen: 0.236 ug/l
RT: 15.664 min Scan# 2331
Delta R.T. 0.018 min
Lab File: VN078280.D
Acq: 19 Jun 2023 15:24

Tgt Ion:128 Resp: 2544
Ion Ratio Lower Upper
128 100
127 5.3 10.0 15.0#
129 13.3 8.7 13.1#

