

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078285.D
 Acq On : 19 Jun 2023 17:25
 Operator : JC\MD
 Sample : 03310-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-943-945

Quant Time: Jun 20 01:31:15 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)

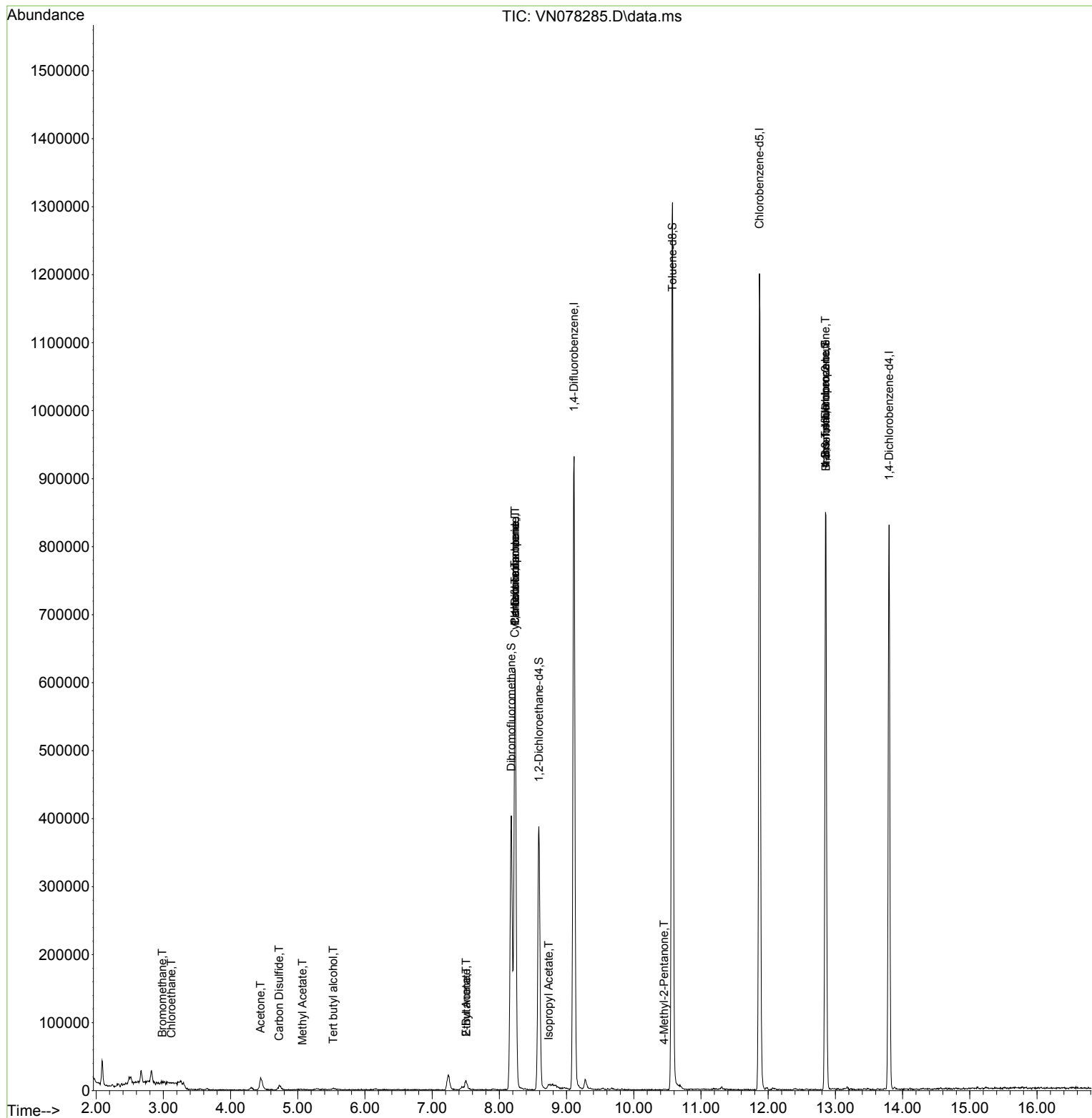
Internal Standards						
1) Pentafluorobenzene	8.236	168	441753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	821229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	721492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	225920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	321310	54.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.100%			
35) Dibromofluoromethane	8.177	113	289711	55.794	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.580%			
50) Toluene-d8	10.577	98	954032	47.659	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.320%			
62) 4-Bromofluorobenzene	12.853	95	301686	48.479	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.960%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	2544	Below Cal		93
5) Bromomethane	2.983	94	1586	0.321 ug/l #		74
6) Chloroethane	3.118	64	1152	0.258 ug/l #		43
11) Tert butyl alcohol	5.530	59	2341	2.878 ug/l #		72
16) Acetone	4.447	43	32151	18.964 ug/l		97
17) Carbon Disulfide	4.724	76	9789	0.788 ug/l #		88
18) Methyl Acetate	5.071	43	1642	0.210 ug/l		91
25) 2-Butanone	7.506	43	21060	8.078 ug/l #		72
31) Cyclohexane	8.230	56	11996	1.588 ug/l #		54
36) 1,1-Dichloropropene	8.236	75	37569	5.044 ug/l #		48
37) Ethyl Acetate	7.506	43	21060	3.620 ug/l #		64
38) Carbon Tetrachloride	8.236	117	48029	6.107 ug/l #		16
43) Isopropyl Acetate	8.735	43	5012	0.450 ug/l #		49
51) 4-Methyl-2-Pentanone	10.453	43	1413	0.241 ug/l #		31
71) Bromoform	12.859	173	2682	0.731 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.947	83	118	Below Cal #		26
76) 1,2,3-Trichloropropane	12.853	75	163830	30.675 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	163830	94.243 ug/l #		15
94) Hexachlorobutadiene	15.506	225	154	Below Cal #		19

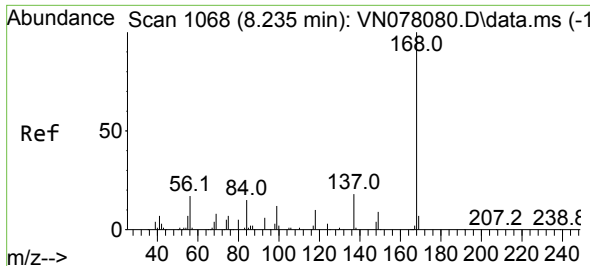
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-RW11-GW-943-945

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
Quant Title : SW846 8260
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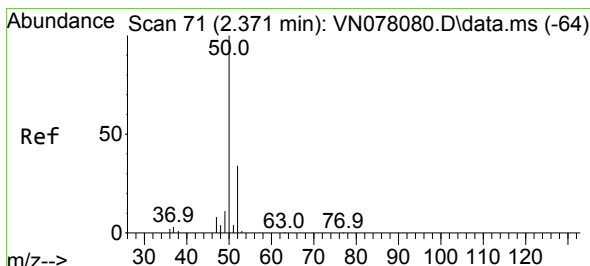
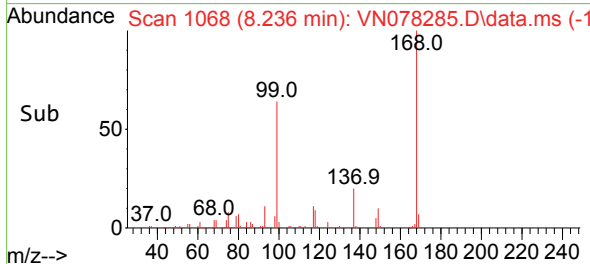
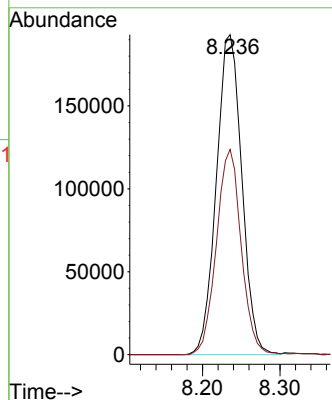
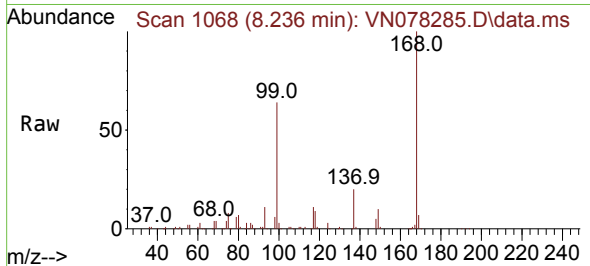




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.001 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

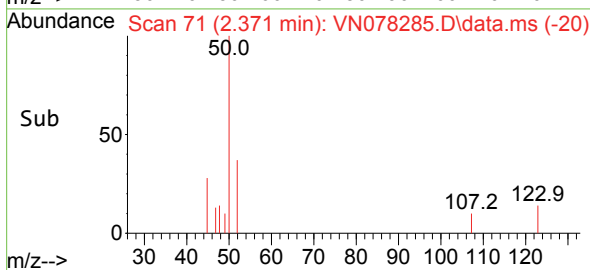
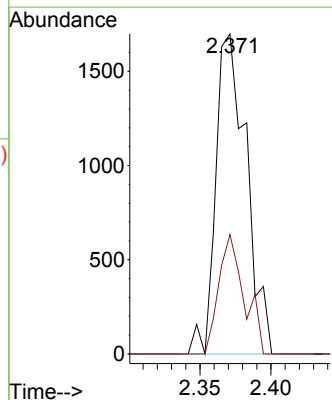
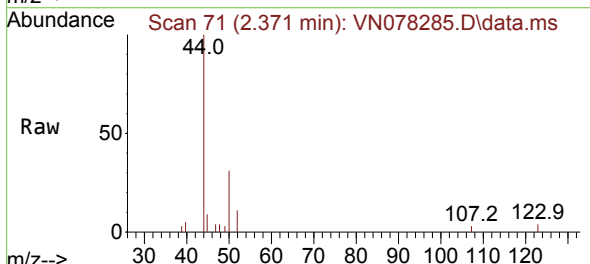
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945

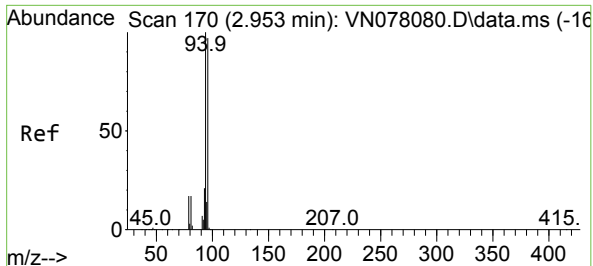
Tgt Ion:168 Resp: 441753
Ion Ratio Lower Upper
168 100
99 64.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

Tgt Ion: 50 Resp: 2544
Ion Ratio Lower Upper
50 100
52 37.3 26.5 39.7

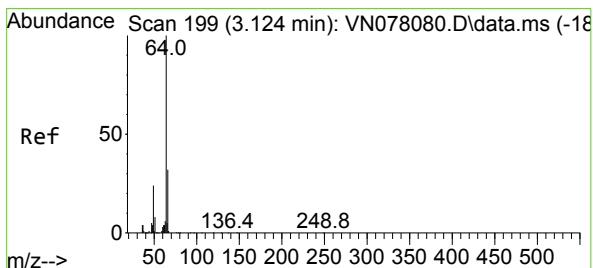
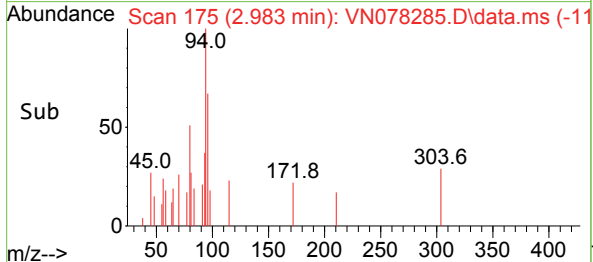
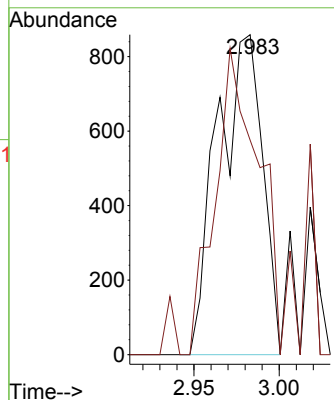
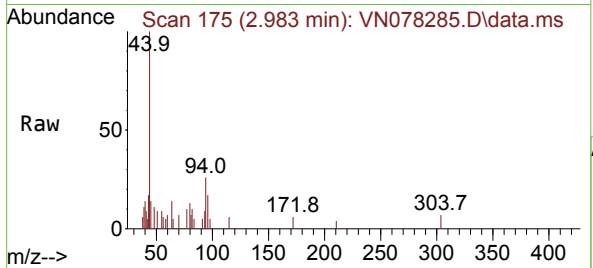




#5
Bromomethane
Concen: 0.321 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

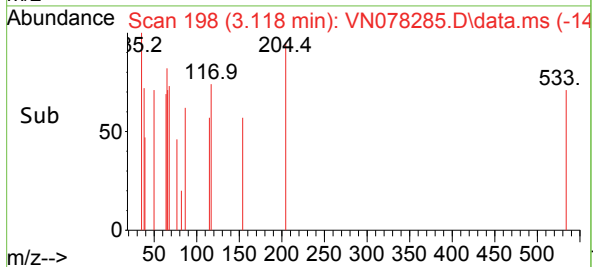
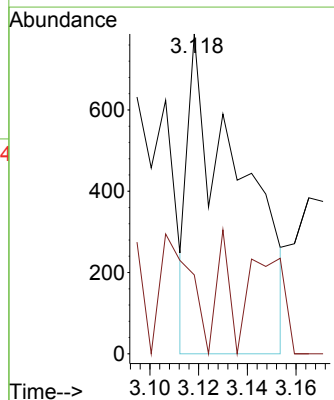
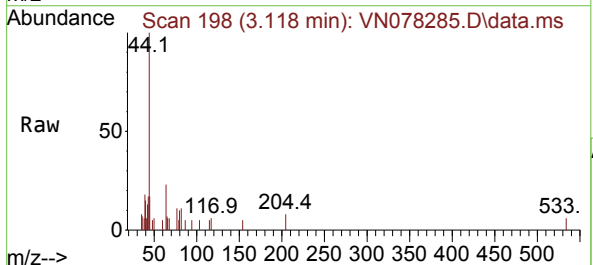
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945

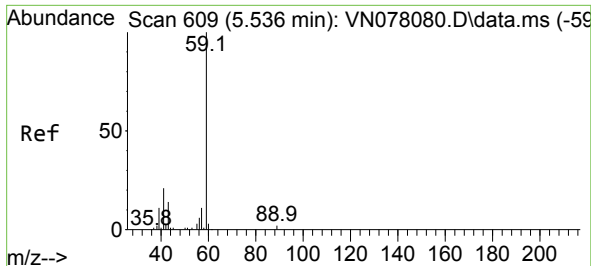
Tgt Ion: 94 Resp: 1586
Ion Ratio Lower Upper
94 100
96 67.1 73.1 109.7#



#6
Chloroethane
Concen: 0.258 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

Tgt Ion: 64 Resp: 1152
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

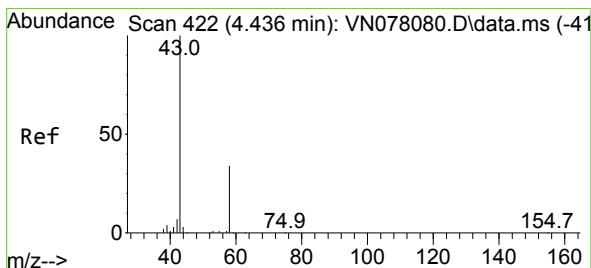
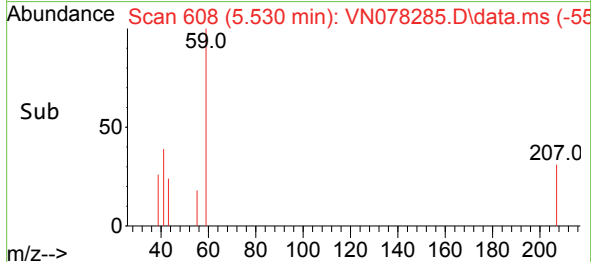
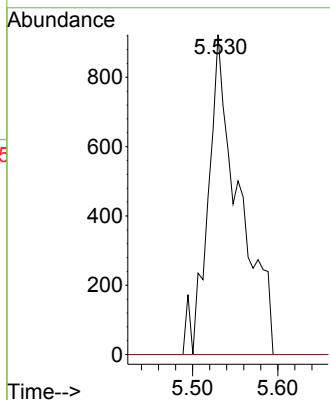
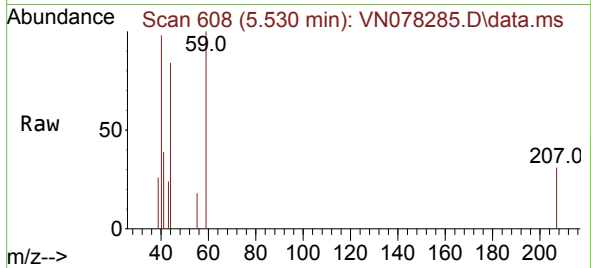




#11
Tert butyl alcohol
Concen: 2.878 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

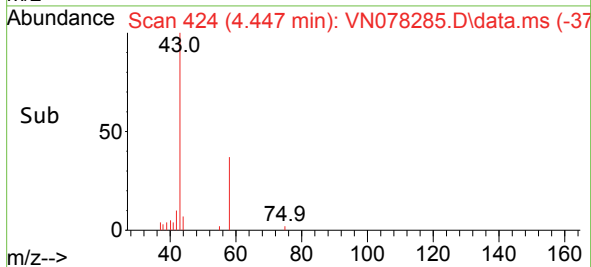
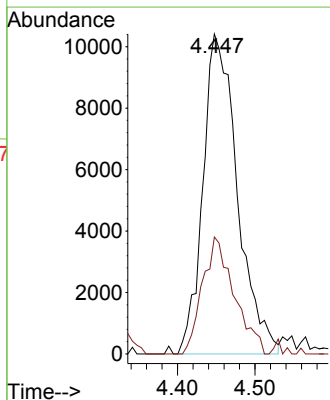
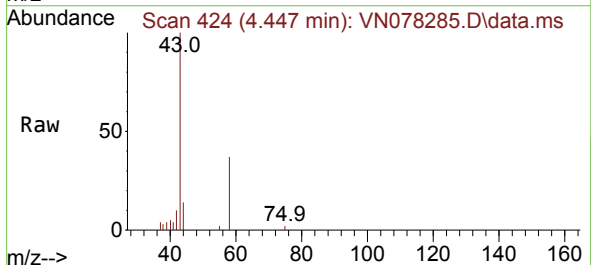
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945

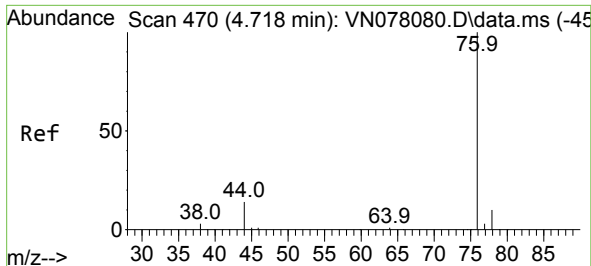
Tgt Ion: 59 Resp: 2341
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 18.964 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

Tgt Ion: 43 Resp: 32151
Ion Ratio Lower Upper
43 100
58 36.6 28.0 42.0

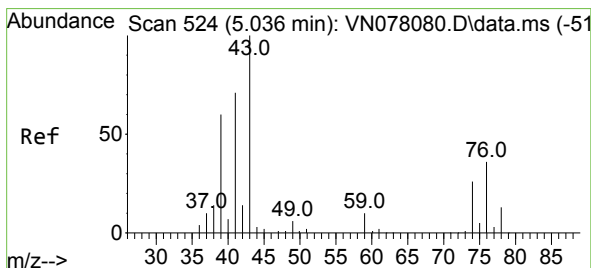
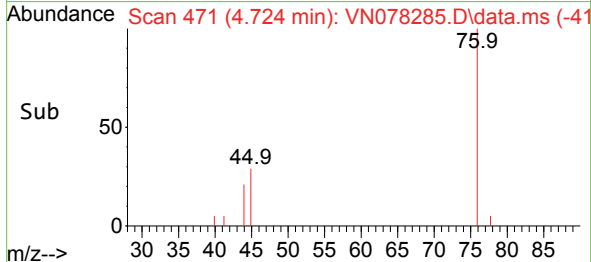
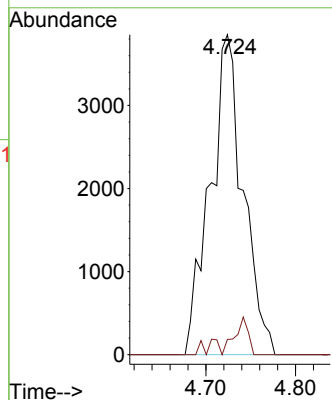
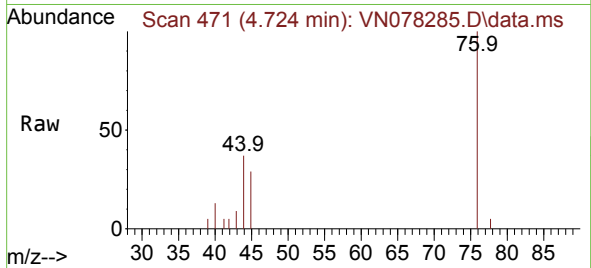




#17
Carbon Disulfide
Concen: 0.788 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

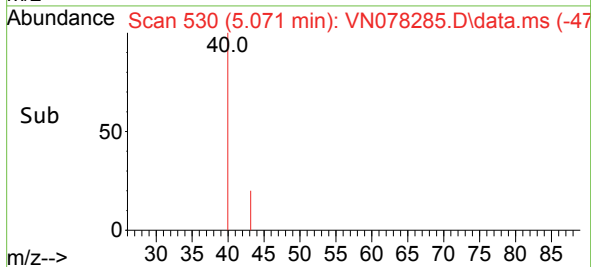
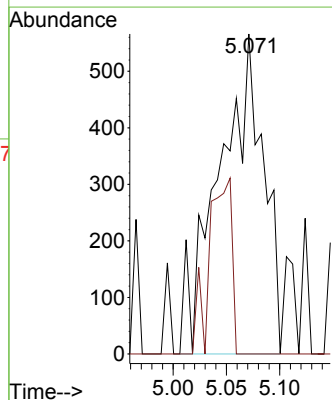
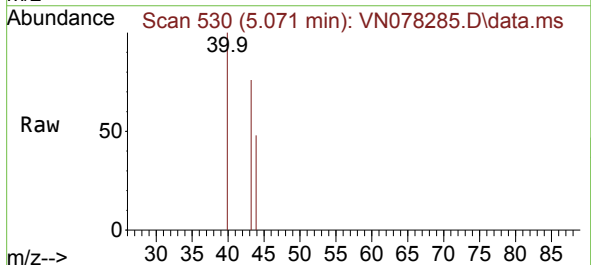
Instrument :
MSVOA_N
ClientSampleId :
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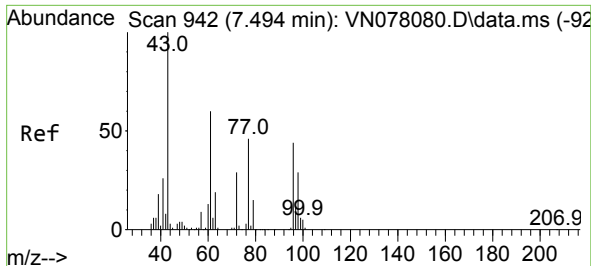
Tgt Ion: 76 Resp: 9789
Ion Ratio Lower Upper
76 100
78 4.8 7.4 11.0#



#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 5.071 min Scan# 530
Delta R.T. 0.035 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
74 27.8 26.2 39.4

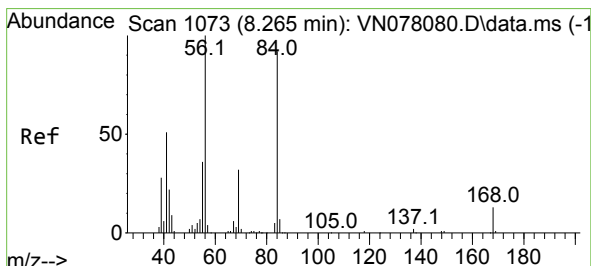
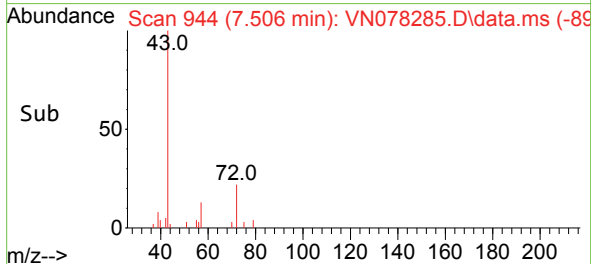
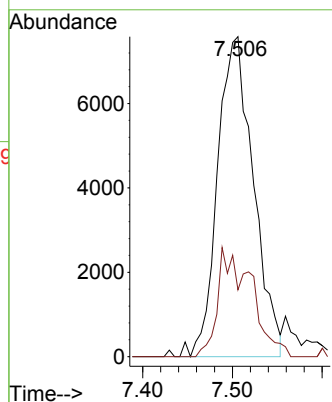
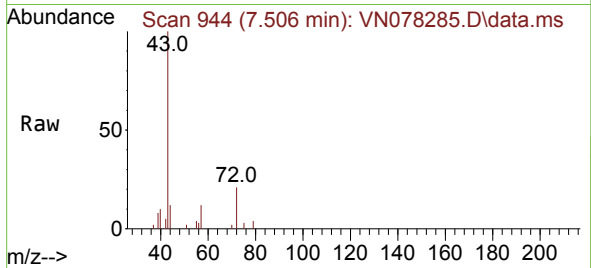




#25
2-Butanone
Concen: 8.078 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

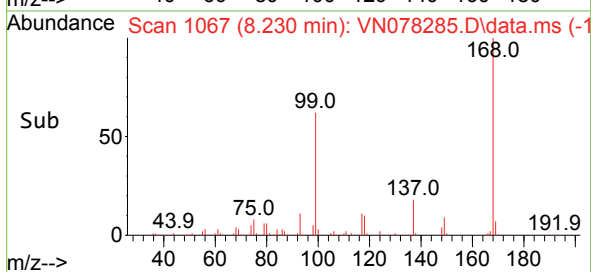
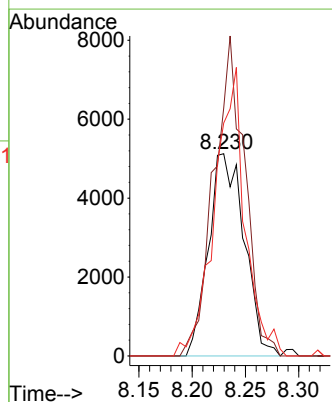
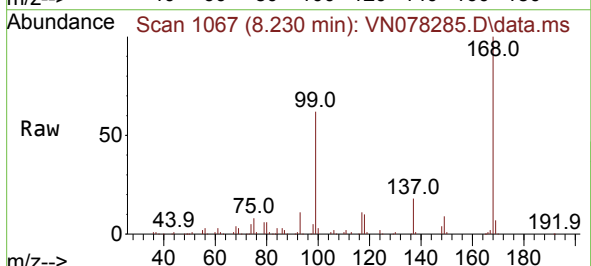
Instrument :
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ClientSampleId :
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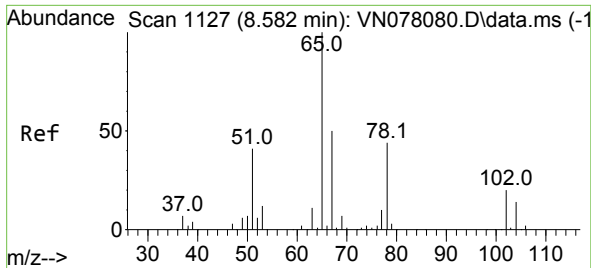
Tgt Ion: 43 Resp: 21060
Ion Ratio Lower Upper
43 100
72 20.9 30.2 45.2#



#31
Cyclohexane
Concen: 1.588 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

Tgt Ion: 56 Resp: 11996
Ion Ratio Lower Upper
56 100
69 122.6 26.8 40.2#
84 111.7 81.8 122.6

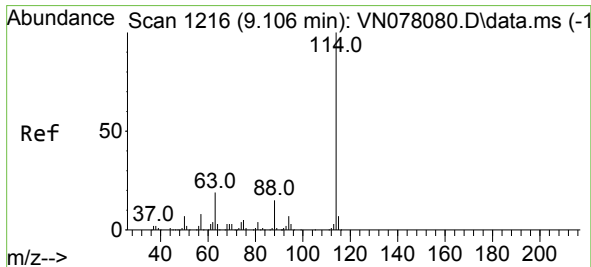
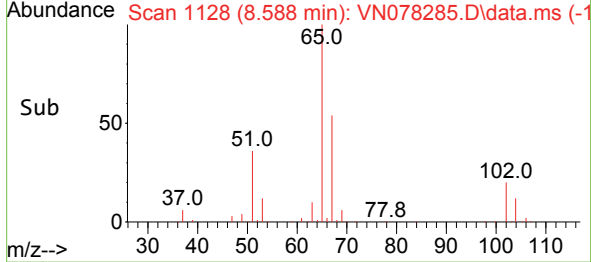
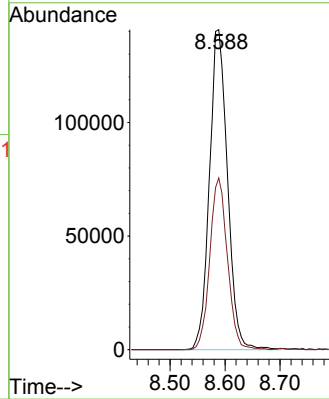
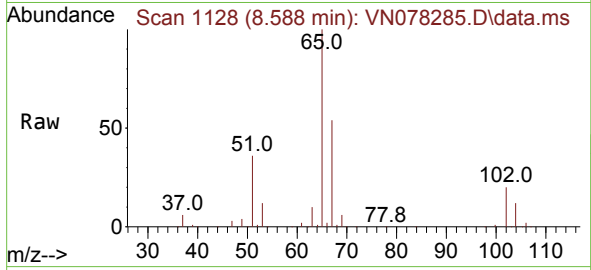




#33
 1,2-Dichloroethane-d4
 Concen: 54.553 ug/l
 RT: 8.588 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN078285.D
 Acq: 19 Jun 2023 17:25

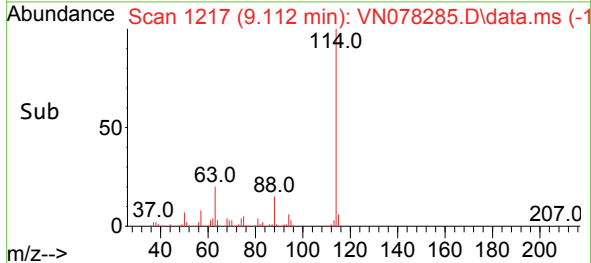
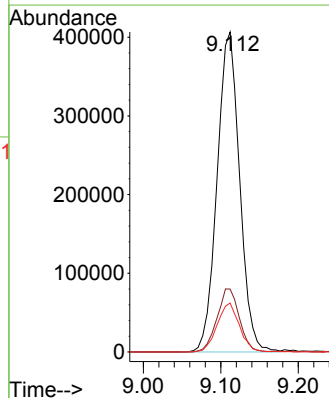
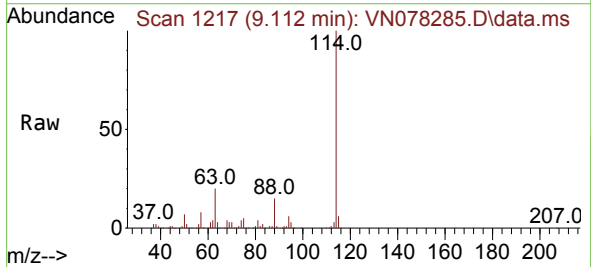
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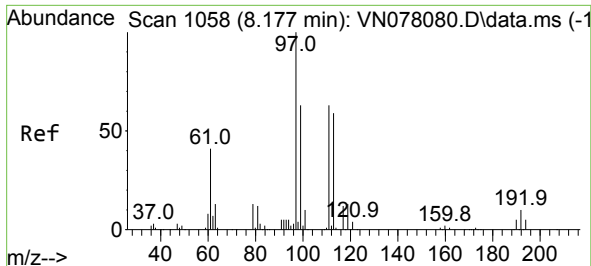
Tgt Ion: 65 Resp: 321310
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.112 min Scan# 1217
 Delta R.T. 0.006 min
 Lab File: VN078285.D
 Acq: 19 Jun 2023 17:25

Tgt Ion: 114 Resp: 821229
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.4
 88 15.3 0.0 30.6

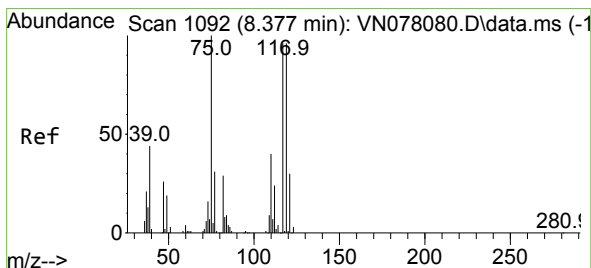
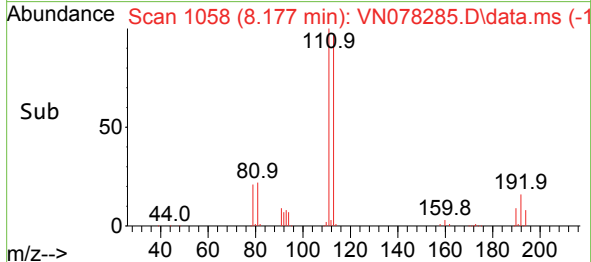
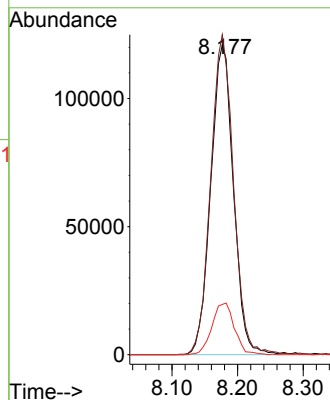
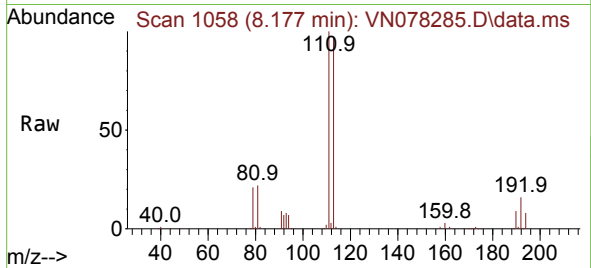




#35
 Dibromofluoromethane
 Concen: 55.794 ug/l
 RT: 8.177 min Scan# 1058
 Delta R.T. 0.000 min
 Lab File: VN078285.D
 Acq: 19 Jun 2023 17:25

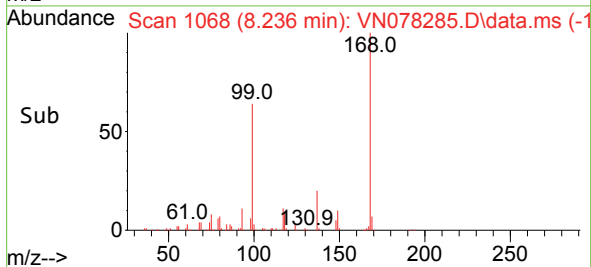
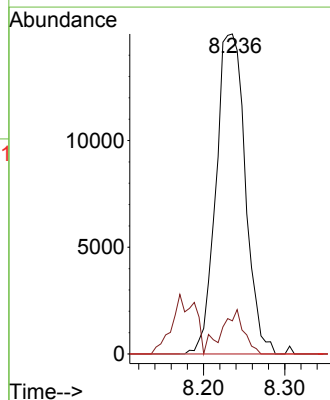
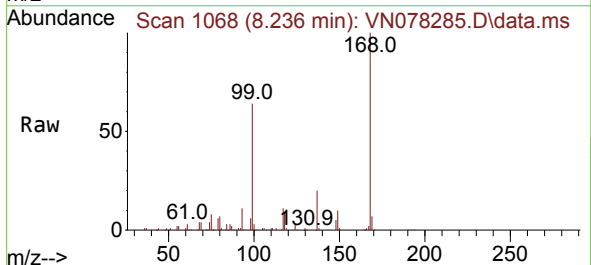
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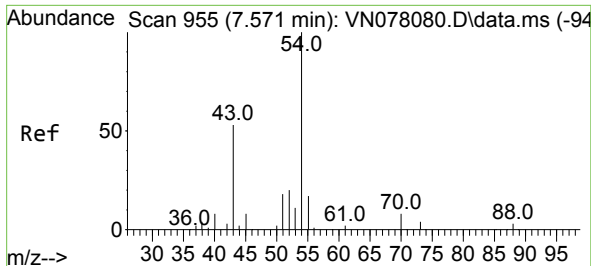
Tgt Ion:113 Resp: 289711
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.6 123.8
 192 16.5 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 5.044 ug/l
 RT: 8.236 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN078285.D
 Acq: 19 Jun 2023 17:25

Tgt Ion: 75 Resp: 37569
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.1 57.3#
 77 0.0 25.0 37.4#

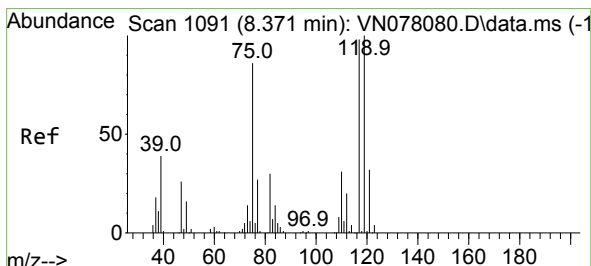
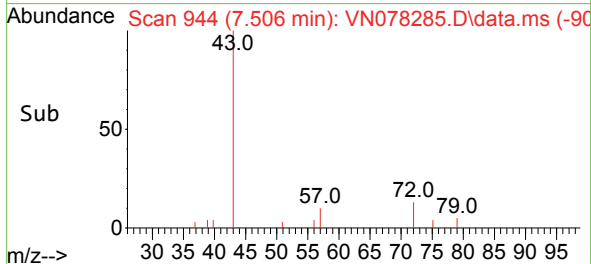
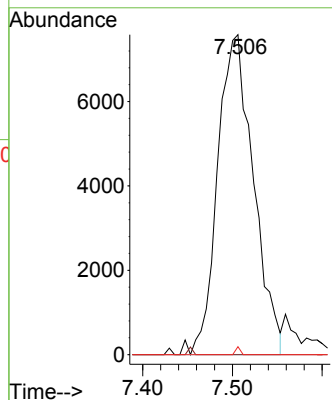
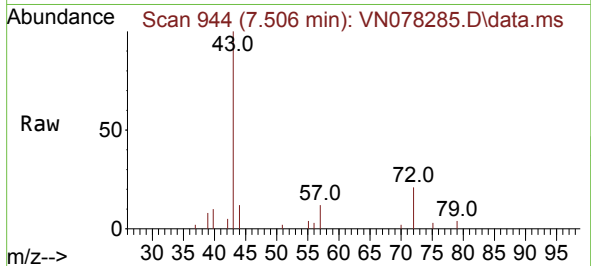




#37
Ethyl Acetate
Concen: 3.620 ug/l
RT: 7.506 min Scan# 94
Delta R.T. -0.065 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

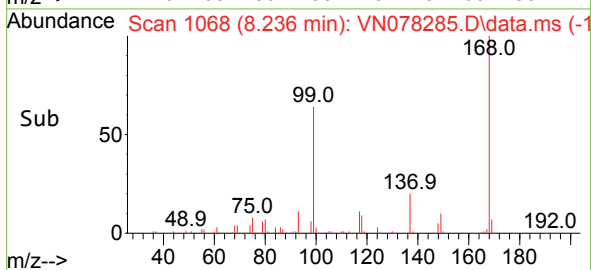
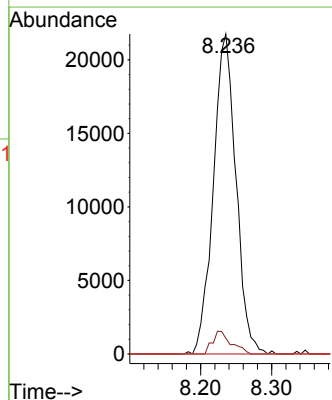
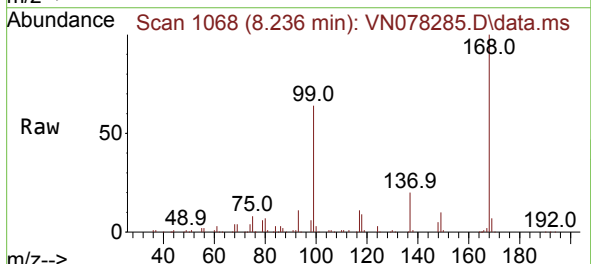
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945

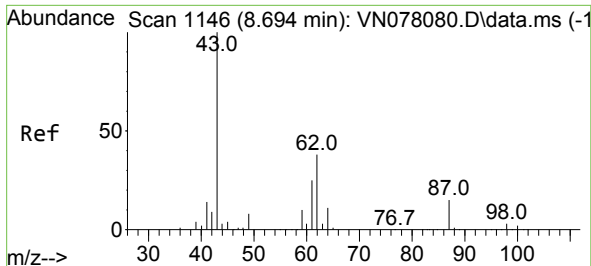
Tgt Ion: 43 Resp: 21060
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.3 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 6.107 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

Tgt Ion: 117 Resp: 48029
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#

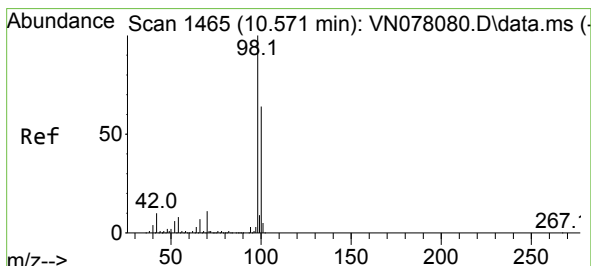
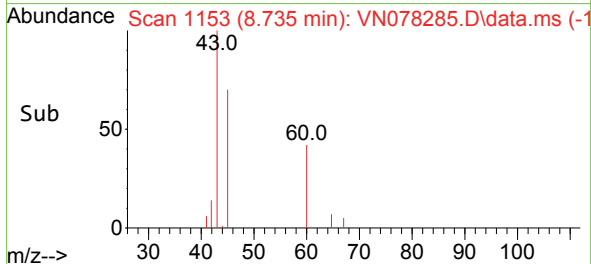
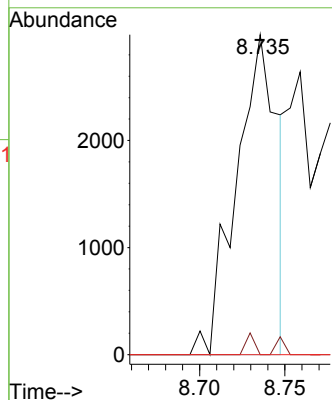
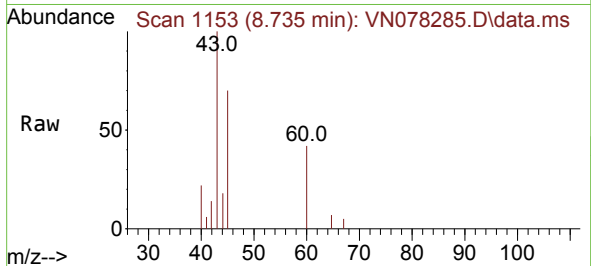




#43
Isopropyl Acetate
Concen: 0.450 ug/l
RT: 8.735 min Scan# 1153
Delta R.T. 0.041 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

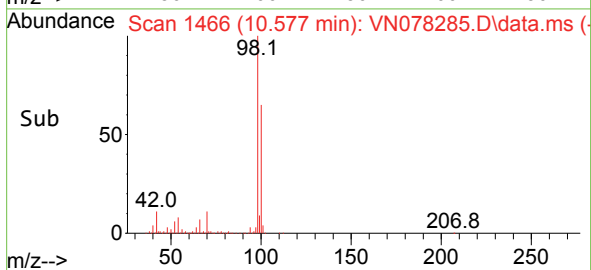
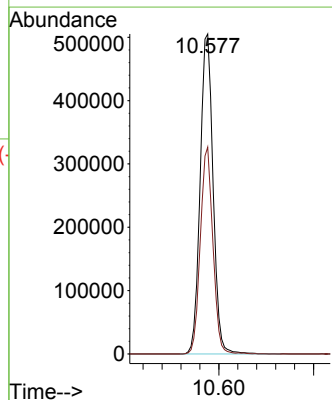
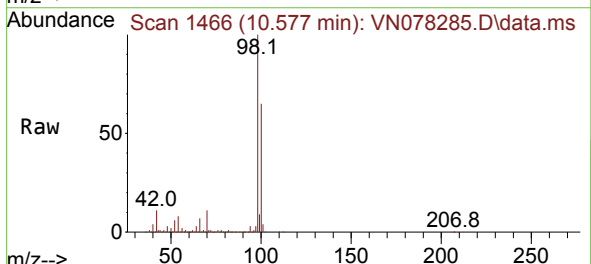
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945

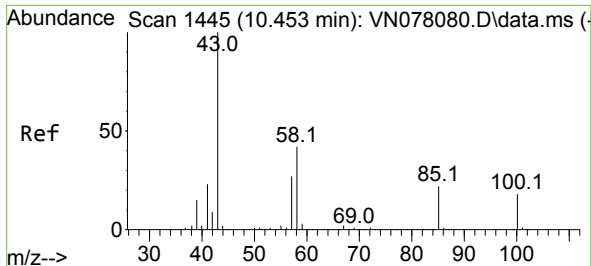
Tgt Ion: 43 Resp: 5012
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 47.659 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

Tgt Ion: 98 Resp: 954032
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.241 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.000 min

Lab File: VN078285.D

Acq: 19 Jun 2023 17:25

Instrument :

MSVOA_N

ClientSampleId :

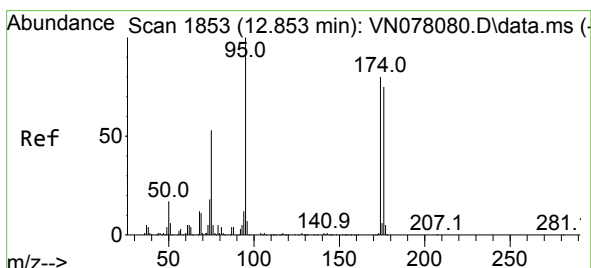
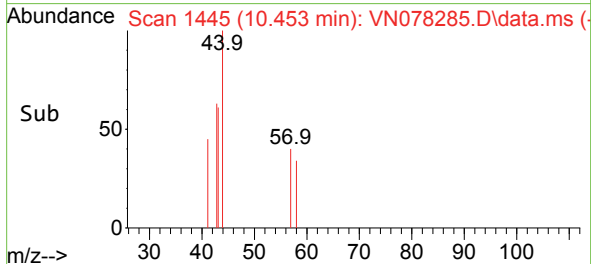
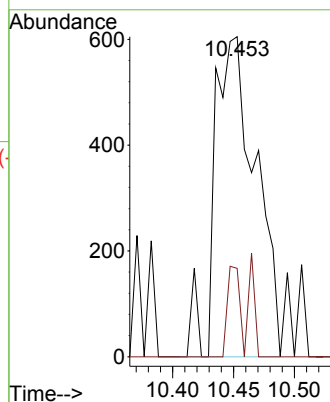
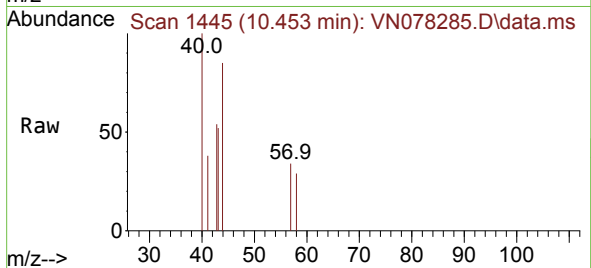
BP-VPB-RW11-GW-943-945

Tgt Ion: 43 Resp: 1413

Ion Ratio Lower Upper

43 100

58 0.0 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 48.479 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN078285.D

Acq: 19 Jun 2023 17:25

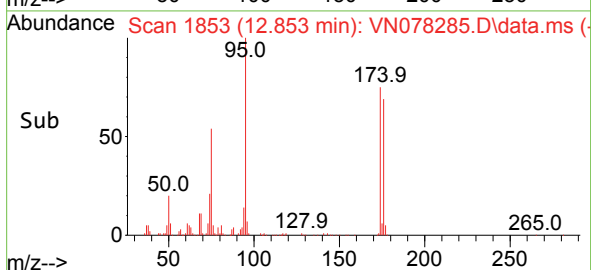
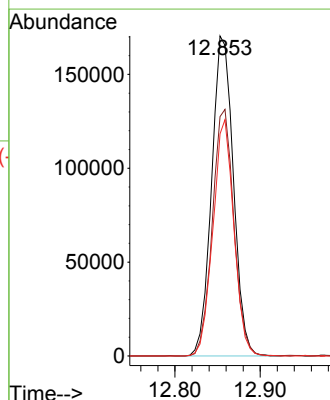
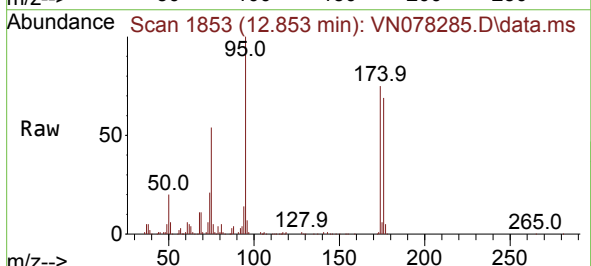
Tgt Ion: 95 Resp: 301686

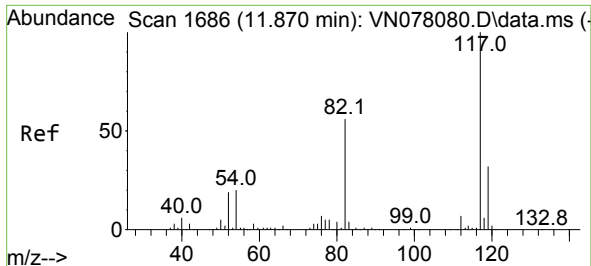
Ion Ratio Lower Upper

95 100

174 76.4 0.0 143.8

176 71.1 0.0 135.8

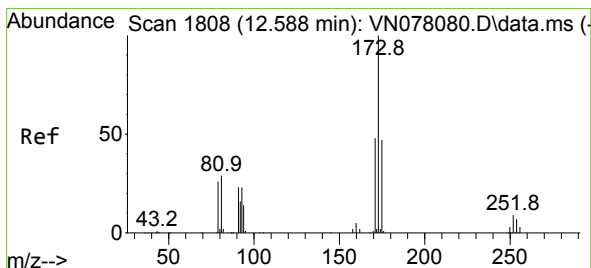
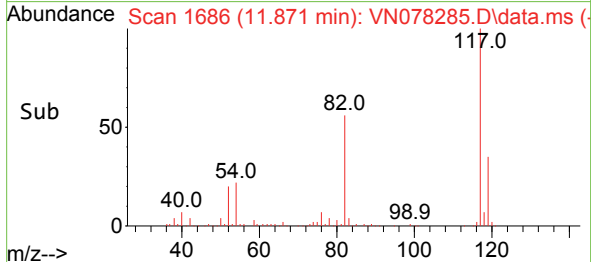
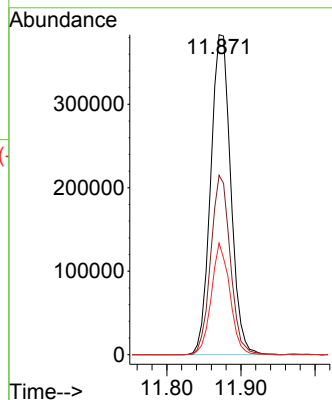
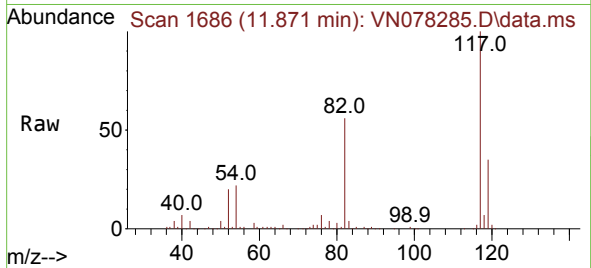




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

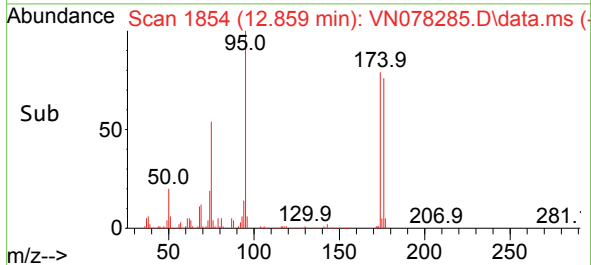
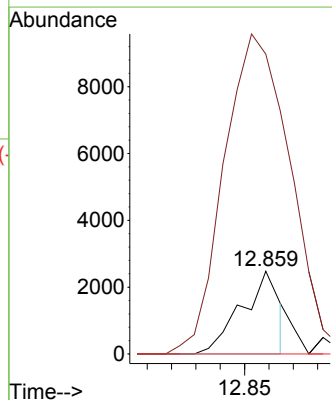
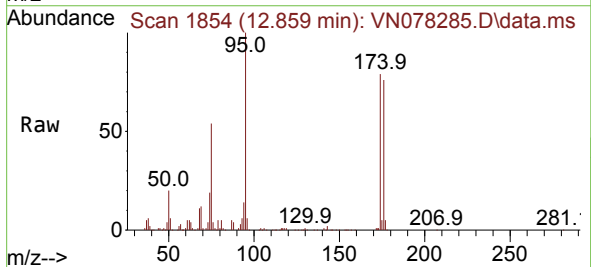
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945

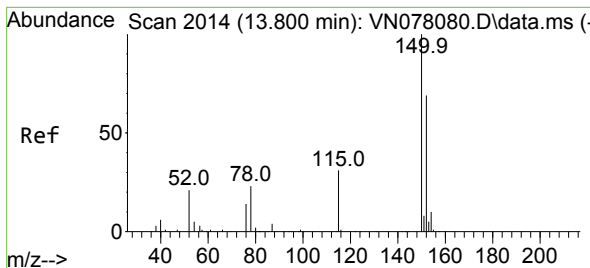
Tgt Ion:117 Resp: 721492
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 34.9 25.6 38.4



#71
Bromoform
Concen: 0.731 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

Tgt Ion:173 Resp: 2682
Ion Ratio Lower Upper
173 100
175 559.8 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: VN078285.D

Acq: 19 Jun 2023 17:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-943-945

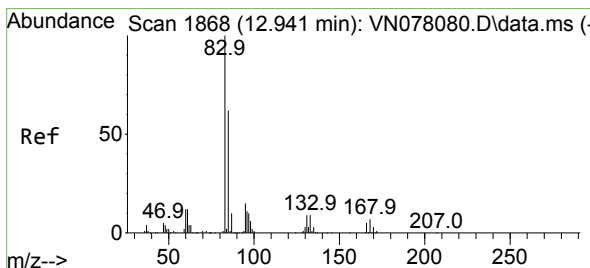
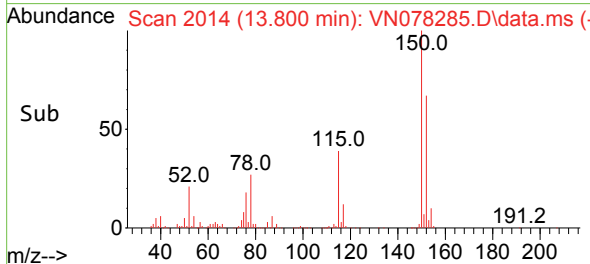
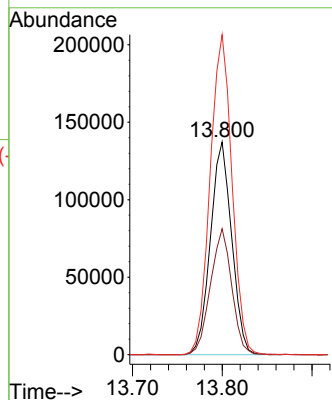
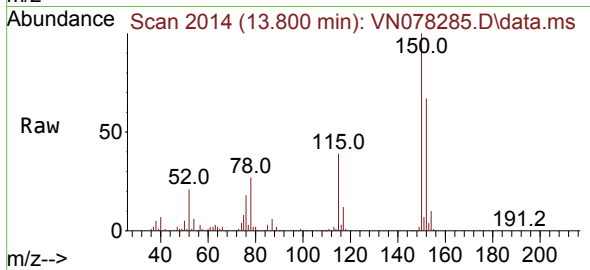
Tgt Ion:152 Resp: 225920

Ion Ratio Lower Upper

152 100

115 59.2 32.3 96.8

150 154.6 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: VN078285.D

Acq: 19 Jun 2023 17:25

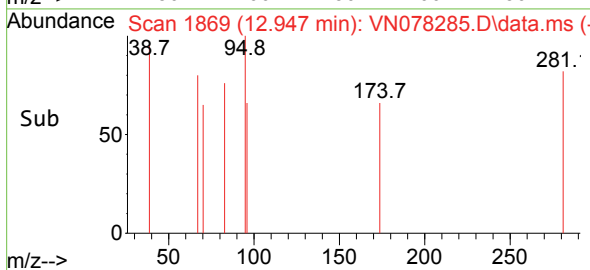
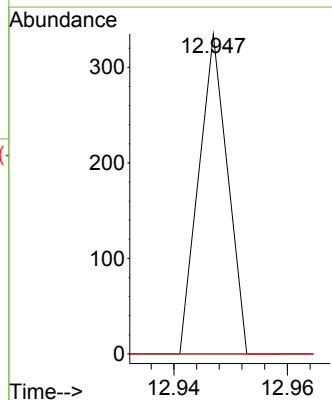
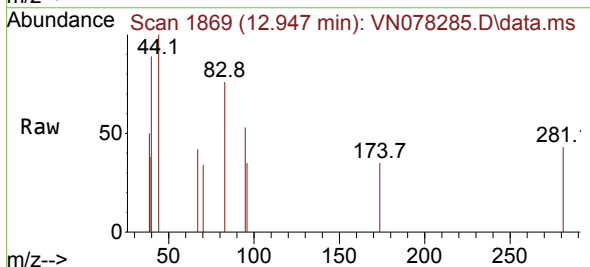
Tgt Ion: 83 Resp: 118

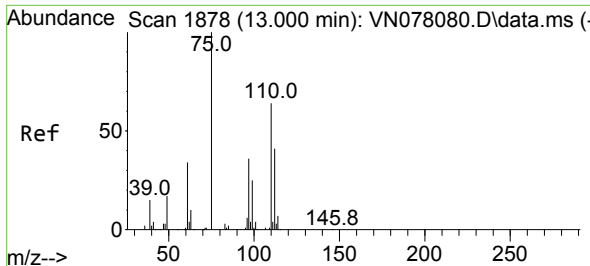
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

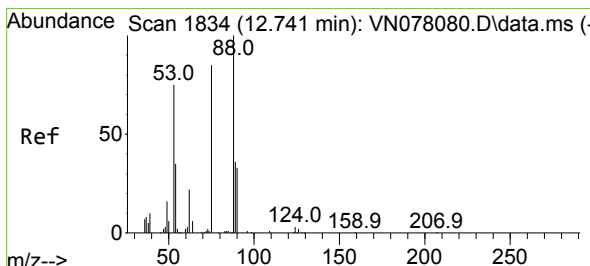
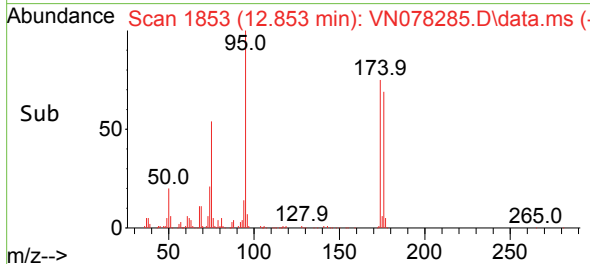
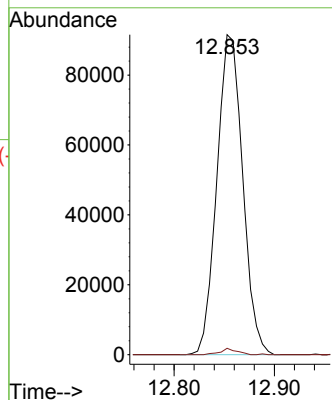
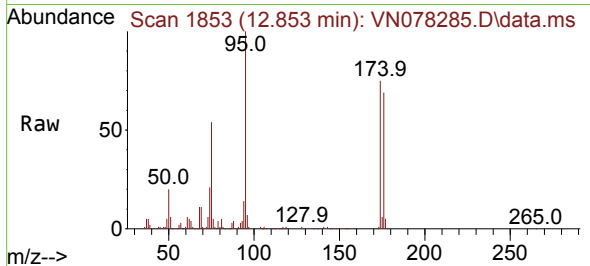




#76
1,2,3-Trichloropropane
Concen: 30.675 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

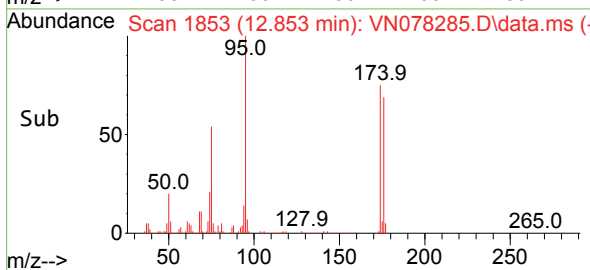
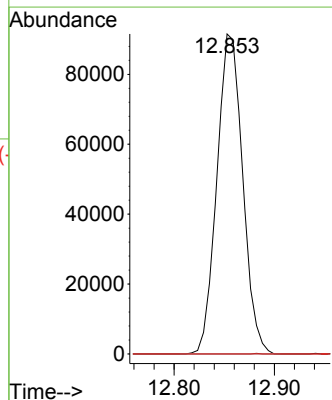
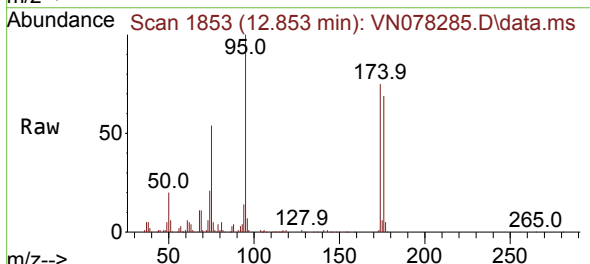
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945

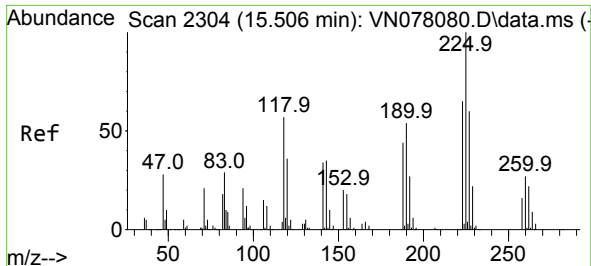
Tgt Ion: 75 Resp: 163830
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.243 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

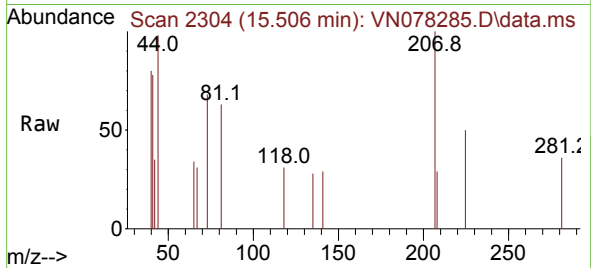
Tgt Ion: 75 Resp: 163830
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.506 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078285.D
Acq: 19 Jun 2023 17:25

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945



Tgt Ion:	225	Resp:	154
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.3	93.8#
227	0.0	31.9	95.9#

