

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060724\
 Data File : VN082491.D
 Acq On : 07 Jun 2024 14:36
 Operator : JC\MD
 Sample : P2772-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-DUP-20240606

Quant Time: Jun 08 00:58:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

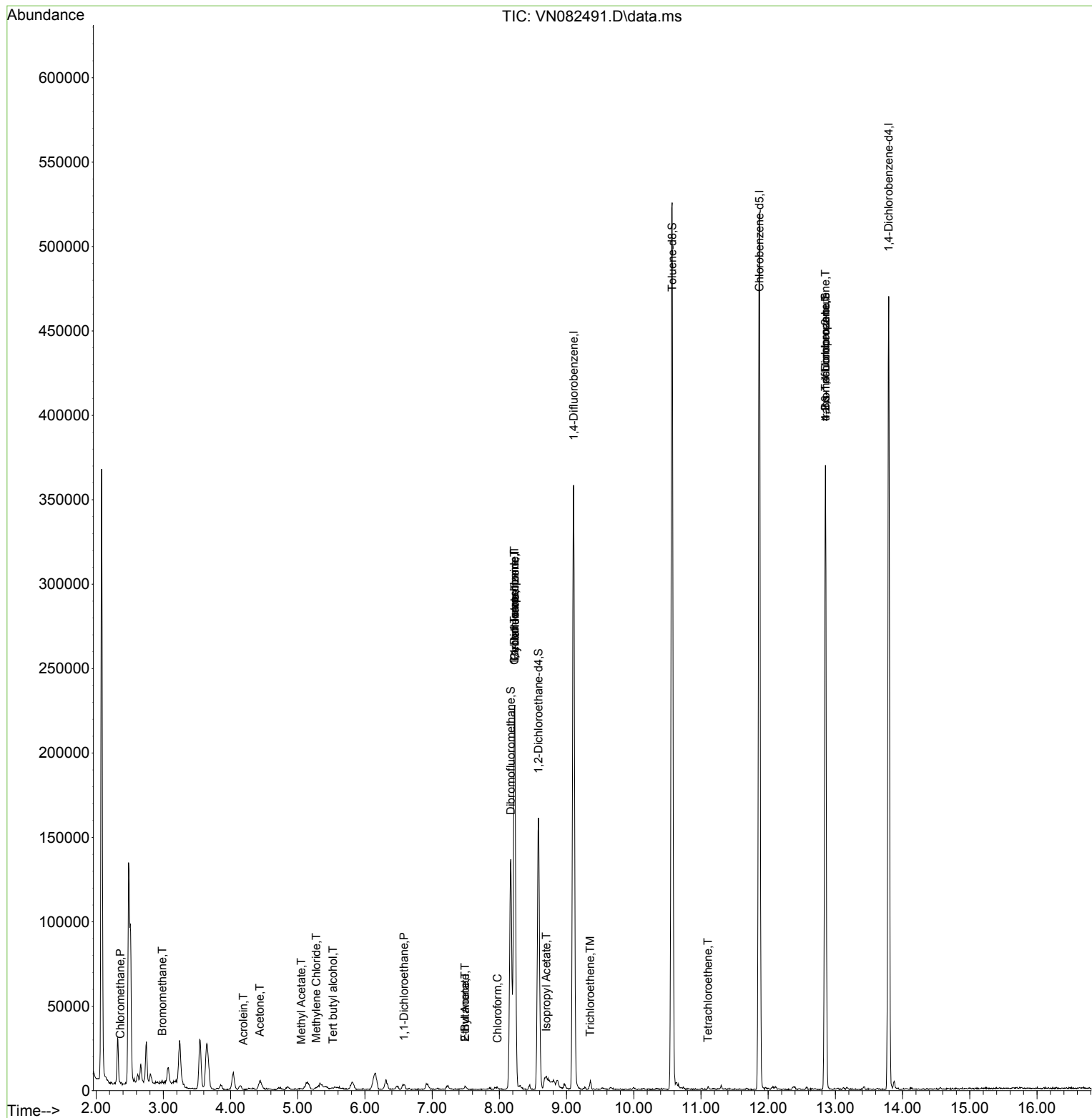
Internal Standards						
1) Pentafluorobenzene	8.229	168	157401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	287862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	278846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	131120	52.756	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.520%			
35) Dibromofluoromethane	8.171	113	94581	53.412	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.820%			
50) Toluene-d8	10.570	98	351761	51.813	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.853	95	116766	48.187	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.380%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1014	0.394	ug/l	90
5) Bromomethane	2.983	94	362	0.260	ug/l #	29
11) Tert butyl alcohol	5.524	59	522	1.308	ug/l #	71
13) Acrolein	4.189	56	188	0.636	ug/l #	15
16) Acetone	4.436	43	10154	9.959	ug/l #	81
18) Methyl Acetate	5.053	43	510	0.201	ug/l #	47
20) Methylene Chloride	5.277	84	470	0.228	ug/l #	54
24) 1,1-Dichloroethane	6.583	63	2707	0.683	ug/l #	81
25) 2-Butanone	7.488	43	3140	2.031	ug/l #	84
30) Chloroform	7.971	83	862	0.228	ug/l #	75
31) Cyclohexane	8.229	56	4994	1.258	ug/l #	53
36) 1,1-Dichloropropene	8.224	75	14670	4.940	ug/l #	50
37) Ethyl Acetate	7.488	43	3140	0.945	ug/l #	68
38) Carbon Tetrachloride	8.224	117	17118	5.686	ug/l #	19
43) Isopropyl Acetate	8.700	43	9001	1.528	ug/l #	52
44) Trichloroethene	9.353	130	1329	0.661	ug/l	65
64) Tetrachloroethene	11.106	164	460	0.223	ug/l #	58
76) 1,2,3-Trichloropropane	12.853	75	67897	27.606	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67897	64.569	ug/l #	13

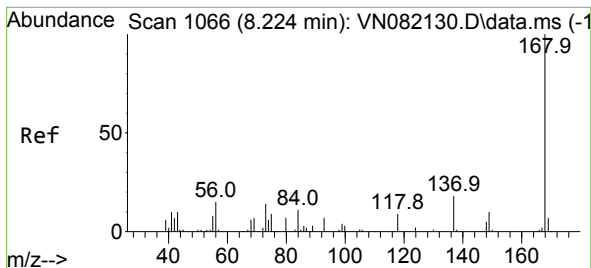
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1066

Delta R.T. 0.005 min

Lab File: VN082491.D

Acq: 07 Jun 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

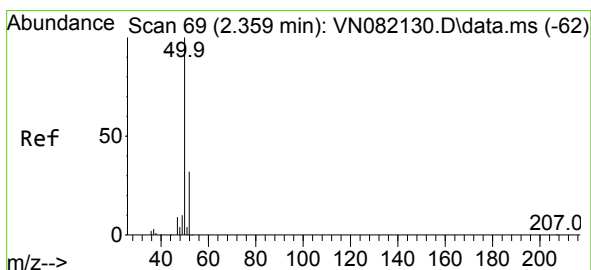
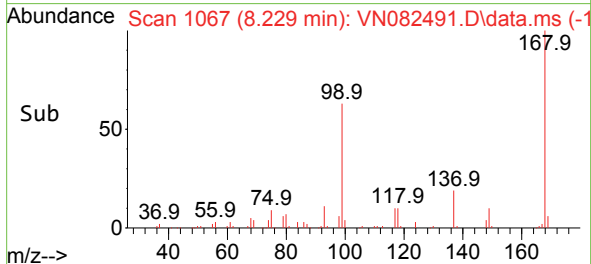
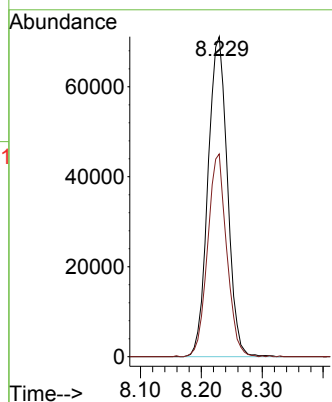
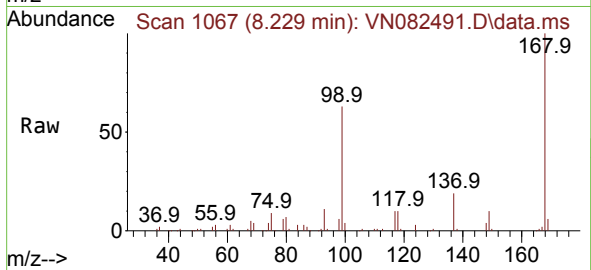
BP-VPB-189-DUP-20240606

Tgt Ion:168 Resp: 157401

Ion Ratio Lower Upper

168 100

99 63.4 48.2 72.4



#3

Chloromethane

Concen: 0.394 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN082491.D

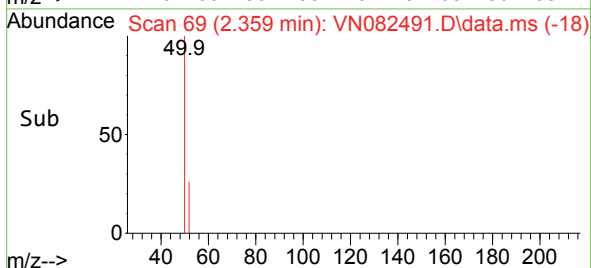
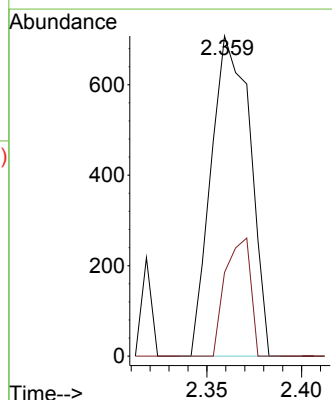
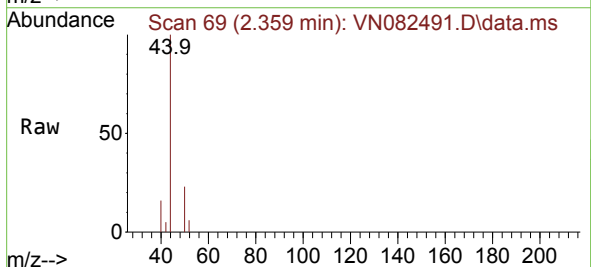
Acq: 07 Jun 2024 14:36

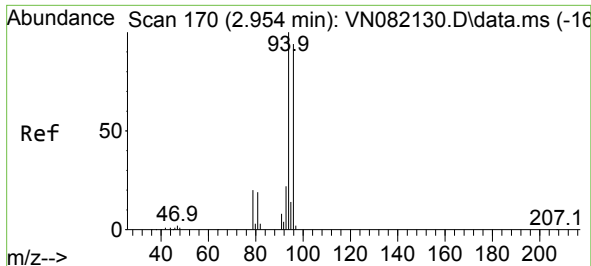
Tgt Ion: 50 Resp: 1014

Ion Ratio Lower Upper

50 100

52 26.1 25.5 38.3





#5

Bromomethane

Concen: 0.260 ug/l

RT: 2.983 min Scan# 11

Delta R.T. 0.029 min

Lab File: VN082491.D

Acq: 07 Jun 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

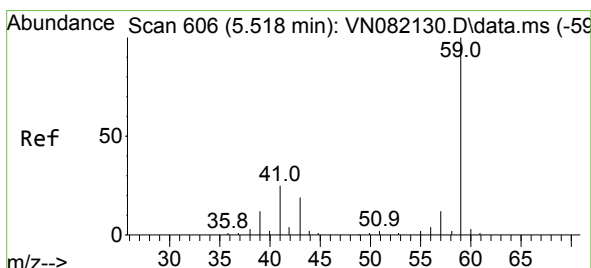
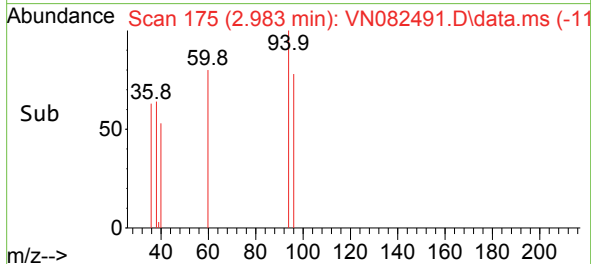
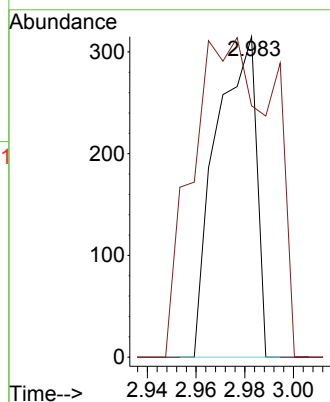
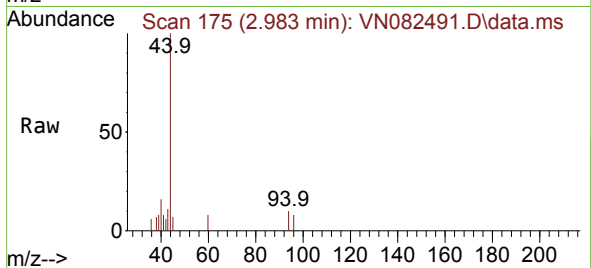
BP-VPB-189-DUP-20240606

Tgt Ion: 94 Resp: 362

Ion Ratio Lower Upper

94 100

96 25.4 74.8 112.2#



#11

Tert butyl alcohol

Concen: 1.308 ug/l

RT: 5.524 min Scan# 607

Delta R.T. 0.006 min

Lab File: VN082491.D

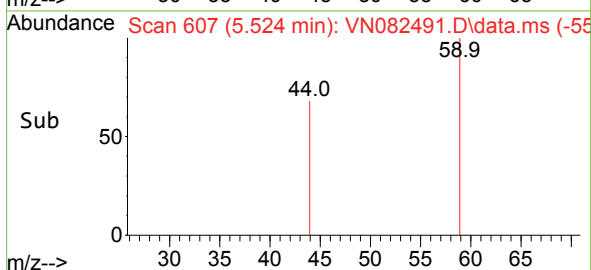
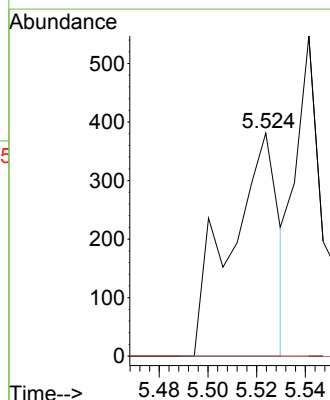
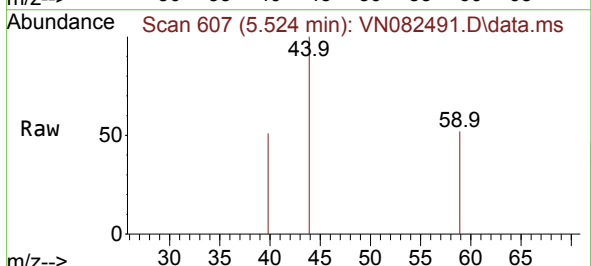
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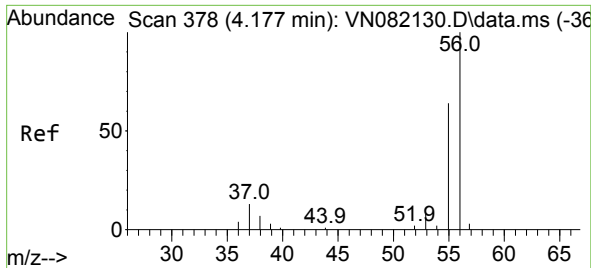
Tgt Ion: 59 Resp: 522

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#





#13

Acrolein

Concen: 0.636 ug/l

RT: 4.189 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN082491.D

Acq: 07 Jun 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

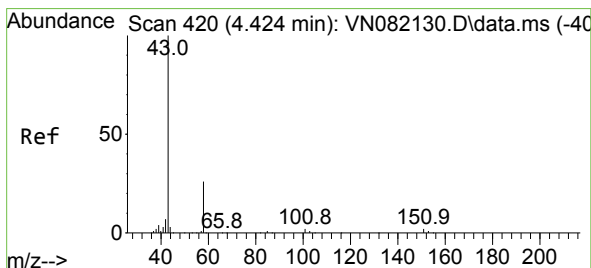
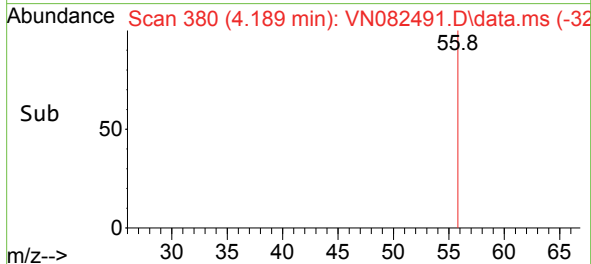
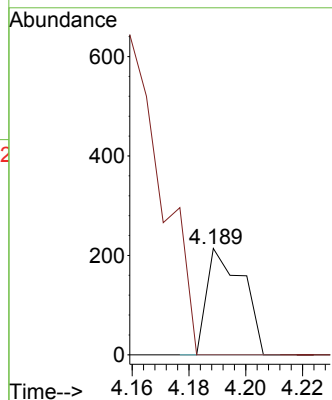
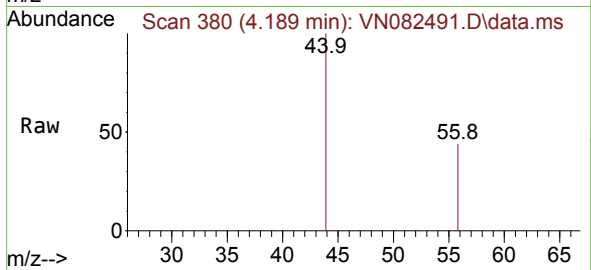
BP-VPB-189-DUP-20240606

Tgt Ion: 56 Resp: 188

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: 9.959 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN082491.D

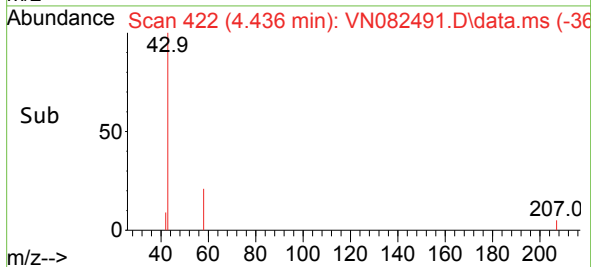
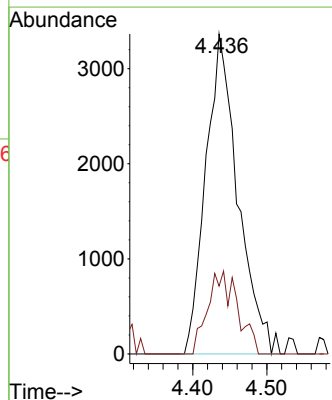
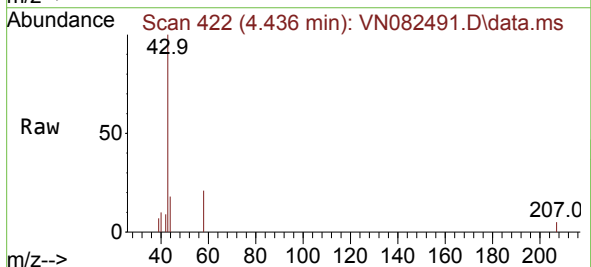
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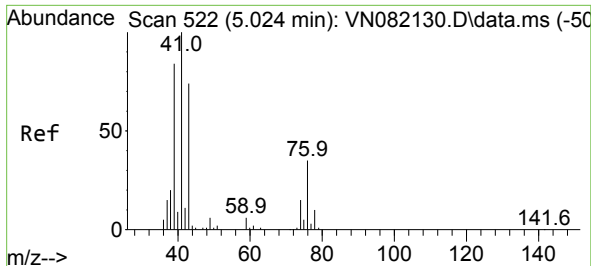
Tgt Ion: 43 Resp: 10154

Ion Ratio Lower Upper

43 100

58 21.2 25.2 37.8#





#18

Methyl Acetate

Concen: 0.201 ug/l

RT: 5.053 min Scan# 51

Delta R.T. 0.029 min

Lab File: VN082491.D

Acq: 07 Jun 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

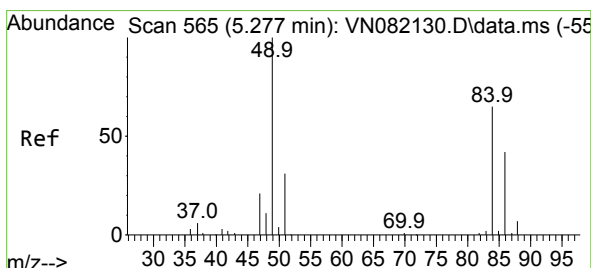
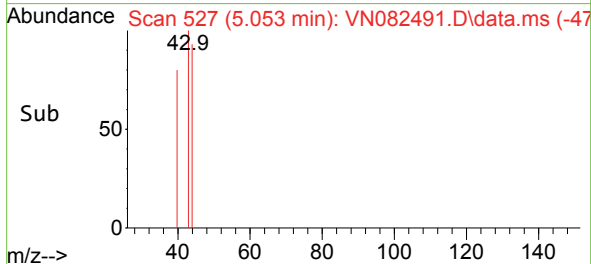
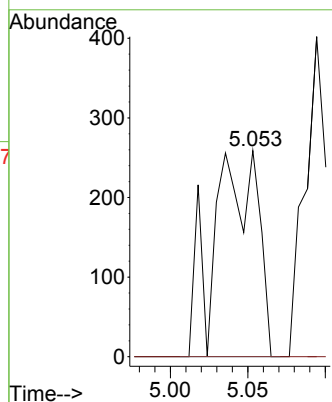
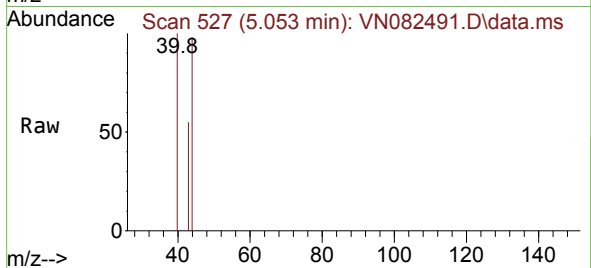
BP-VPB-189-DUP-20240606

Tgt Ion: 43 Resp: 510

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.2#



#20

Methylene Chloride

Concen: 0.228 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN082491.D

Acq: 07 Jun 2024 14:36

Tgt Ion: 84 Resp: 470

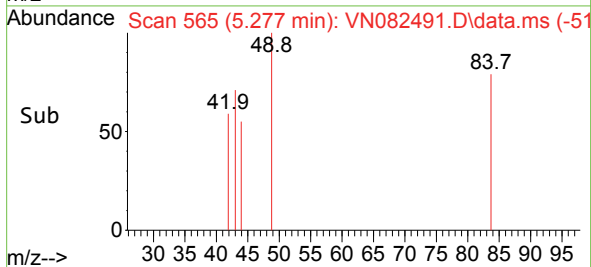
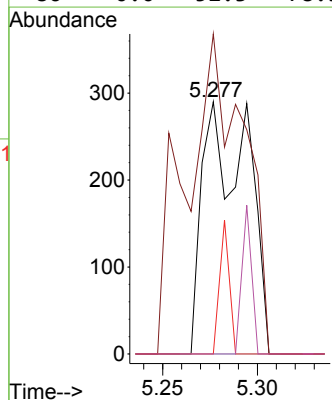
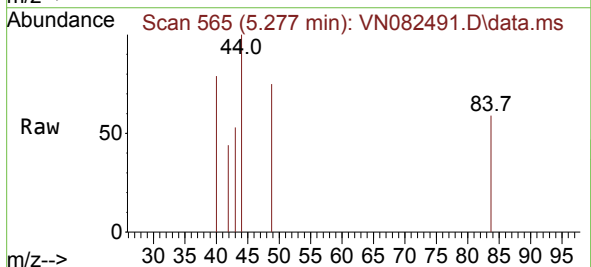
Ion Ratio Lower Upper

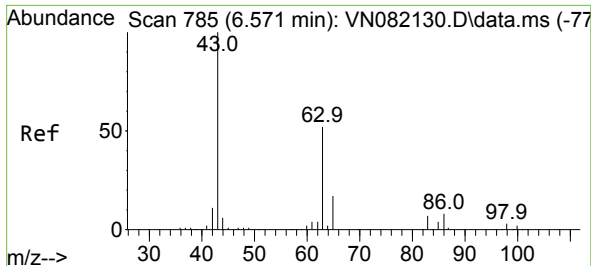
84 100

49 126.9 84.9 127.3

51 0.0 27.0 40.6#

86 0.0 52.3 78.5#

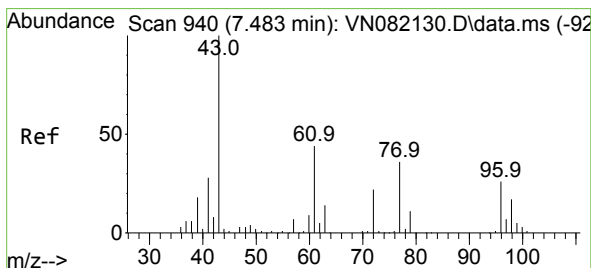
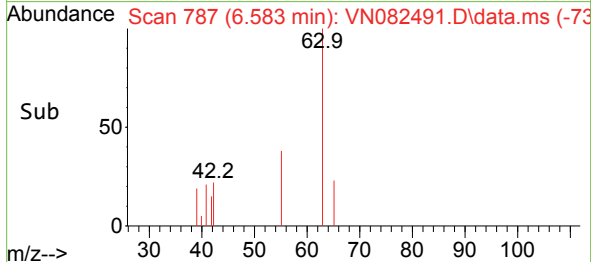
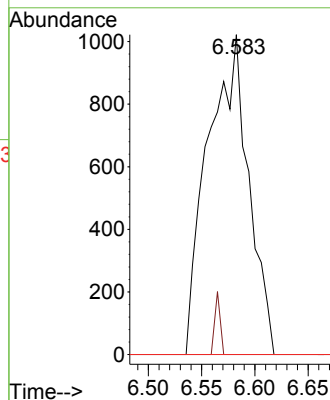
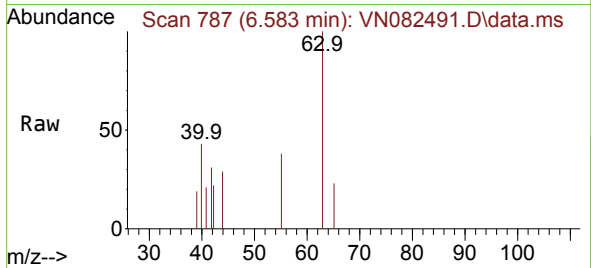




#24
1,1-Dichloroethane
Concen: 0.683 ug/l
RT: 6.583 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

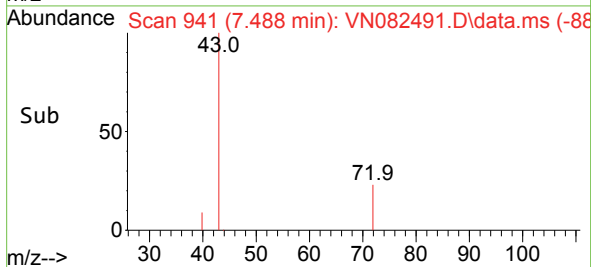
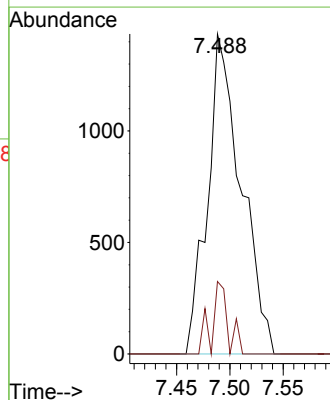
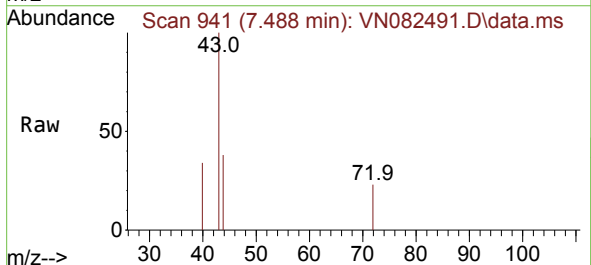
Instrument :
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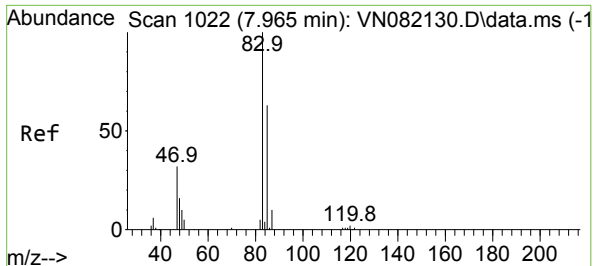
Tgt Ion: 63 Resp: 2707
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.6 7.8#



#25
2-Butanone
Concen: 2.031 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

Tgt Ion: 43 Resp: 3140
Ion Ratio Lower Upper
43 100
72 22.6 25.3 37.9#

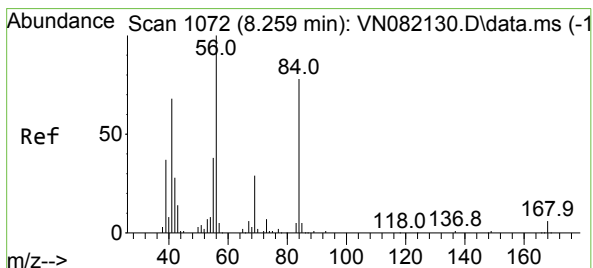
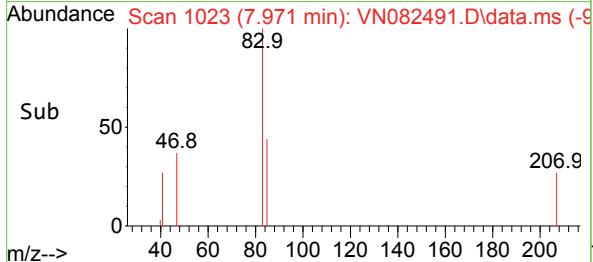
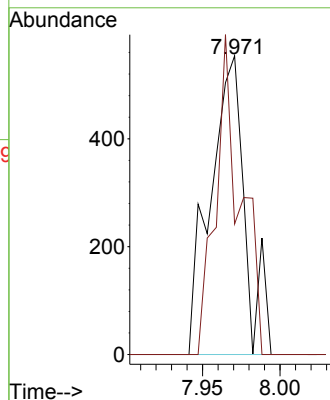
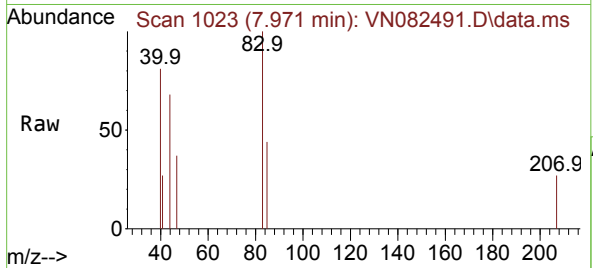




#30
Chloroform
Concen: 0.228 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

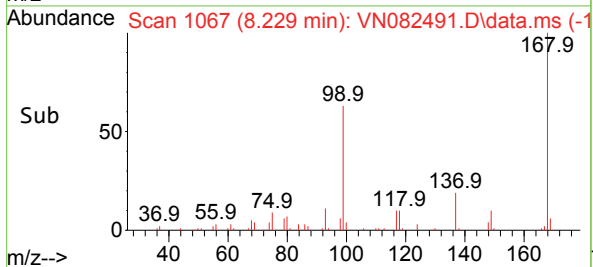
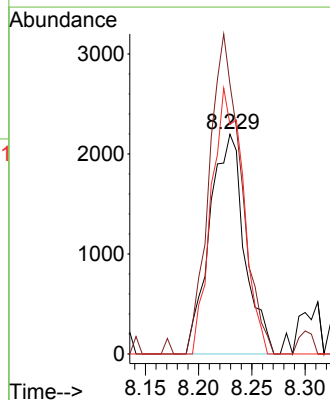
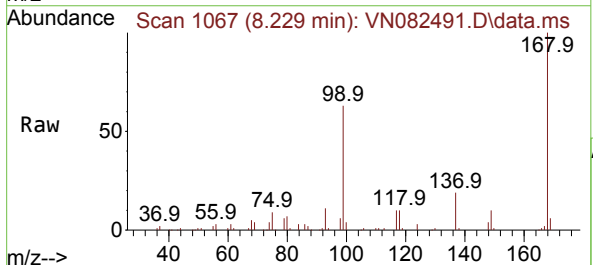
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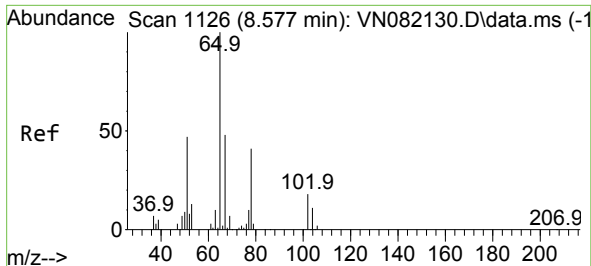
Tgt Ion: 83 Resp: 862
Ion Ratio Lower Upper
83 100
85 43.7 50.7 76.1#



#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

Tgt Ion: 56 Resp: 4994
Ion Ratio Lower Upper
56 100
69 122.8 24.4 36.6#
84 104.5 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 52.756 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082491.D

Acq: 07 Jun 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

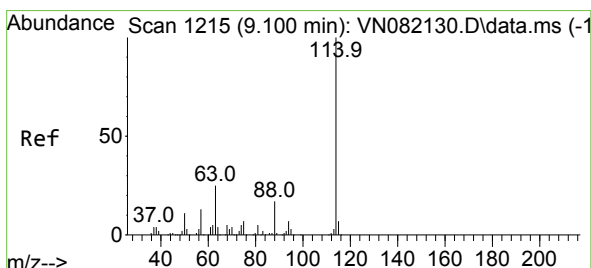
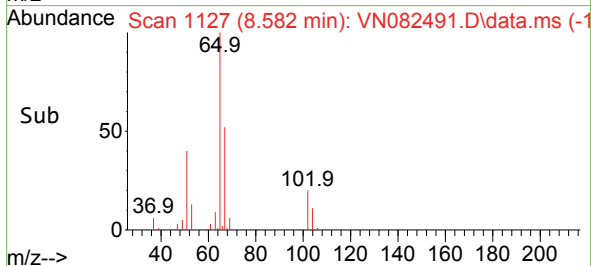
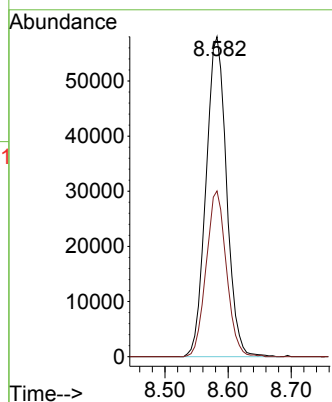
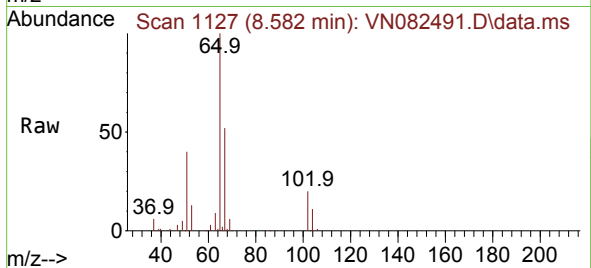
BP-VPB-189-DUP-20240606

Tgt Ion: 65 Resp: 131120

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082491.D

Acq: 07 Jun 2024 14:36

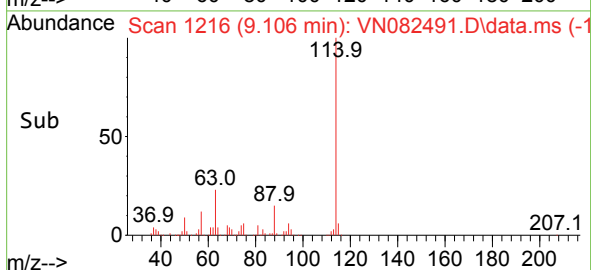
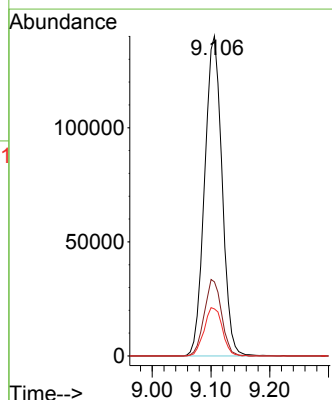
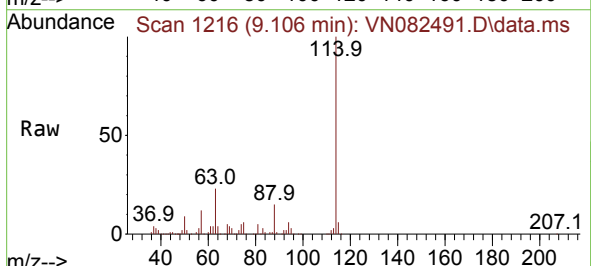
Tgt Ion: 114 Resp: 287862

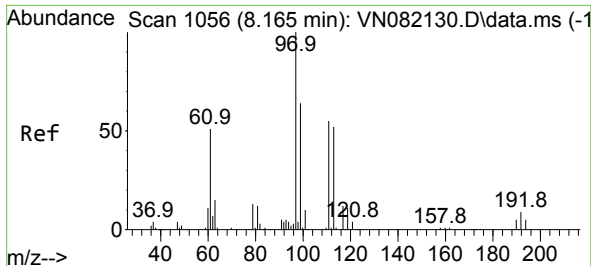
Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.0

88 14.7 0.0 31.4

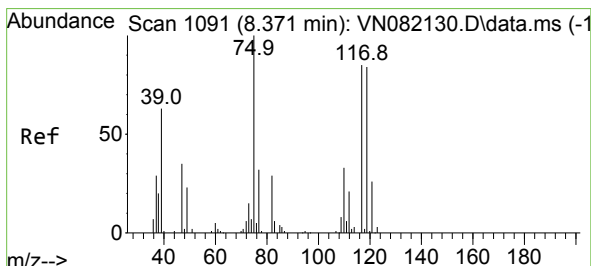
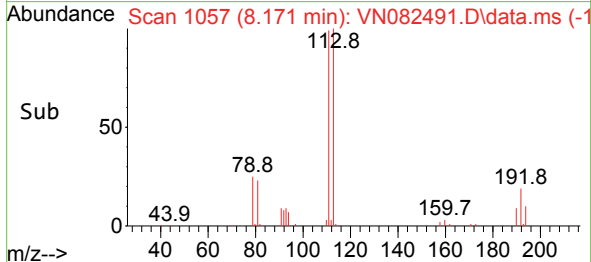
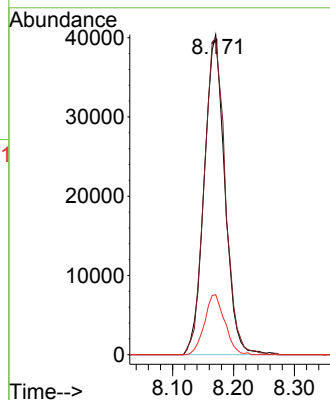
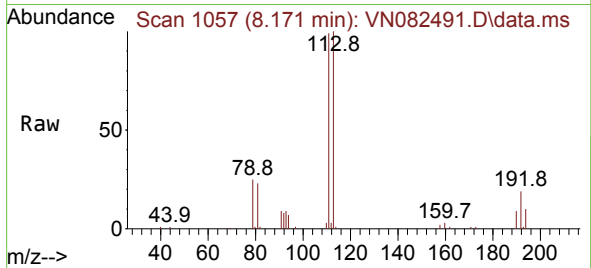




#35
 Dibromofluoromethane
 Concen: 53.412 ug/l
 RT: 8.171 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN082491.D
 Acq: 07 Jun 2024 14:36

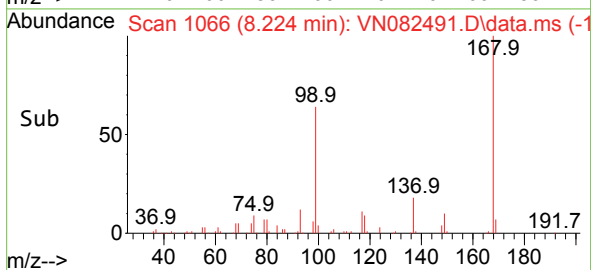
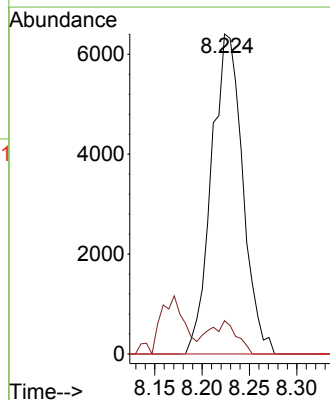
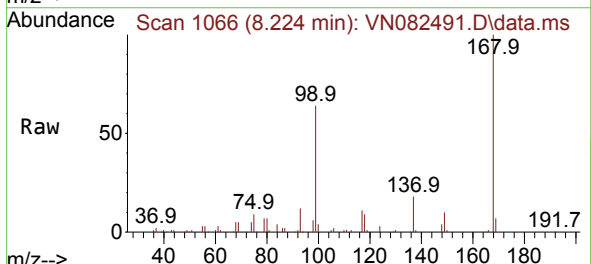
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-DUP-20240606

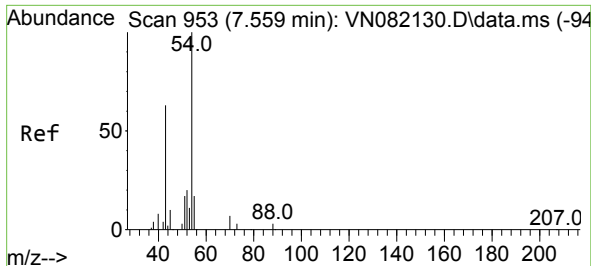
Tgt Ion:113 Resp: 94581
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.4 125.2
 192 18.5 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 4.940 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN082491.D
 Acq: 07 Jun 2024 14:36

Tgt Ion: 75 Resp: 14670
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.8 53.5#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.945 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN082491.D

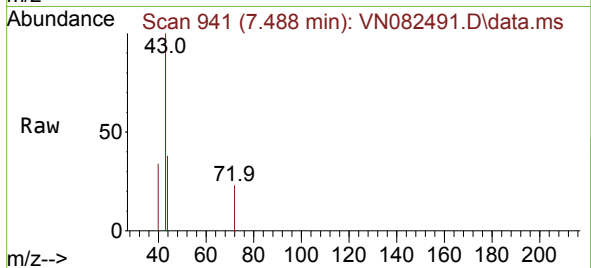
Acq: 07 Jun 2024 14:36

Instrument :

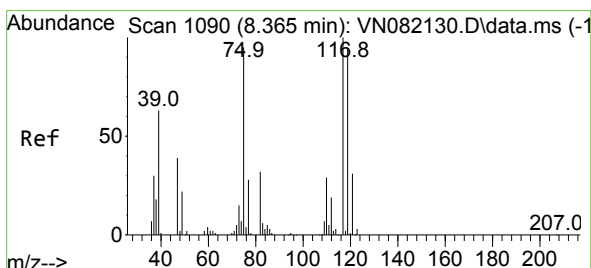
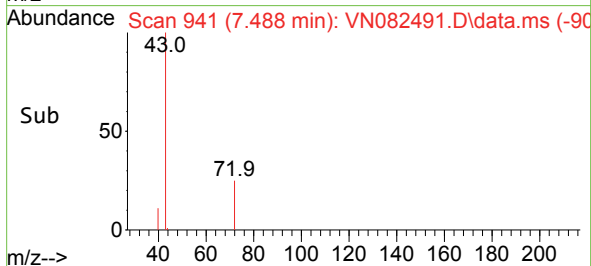
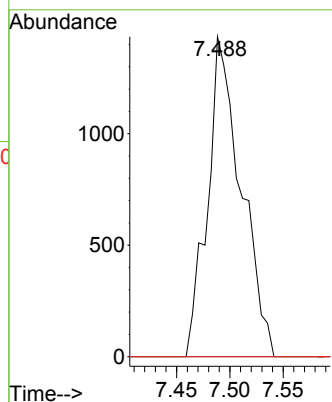
MSVOA_N

ClientSampleId :

BP-VPB-189-DUP-20240606



Tgt Ion:	43	Resp:	3140
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.686 ug/l

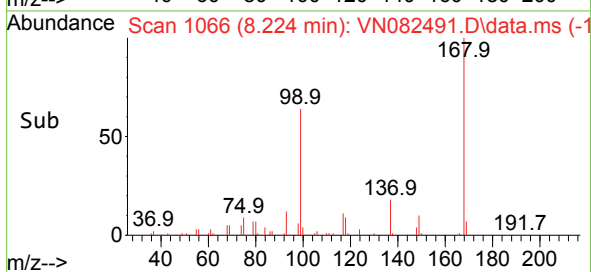
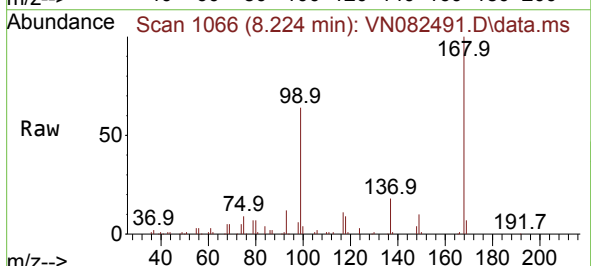
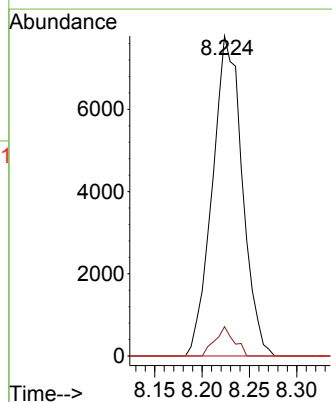
RT: 8.224 min Scan# 1066

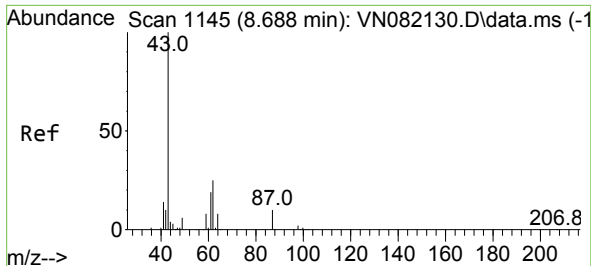
Delta R.T. -0.141 min

Lab File: VN082491.D

Acq: 07 Jun 2024 14:36

Tgt Ion:	117	Resp:	17118
Ion	Ratio	Lower	Upper
117	100		
119	9.2	76.5	114.7#
121	0.0	23.9	35.9#

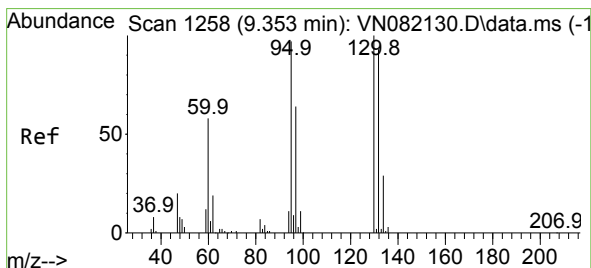
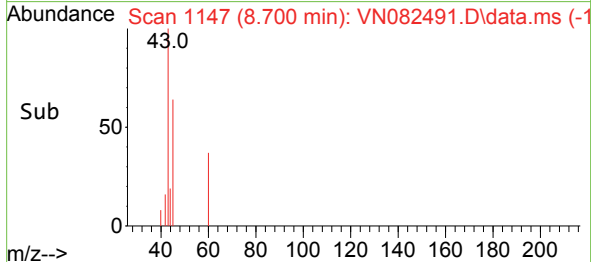
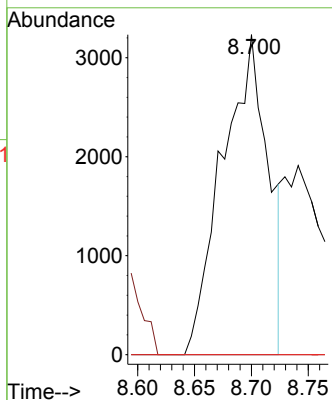
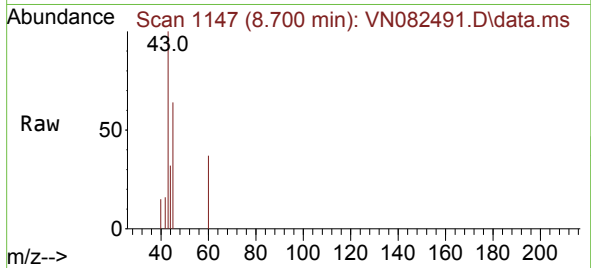




#43
Isopropyl Acetate
Concen: 1.528 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

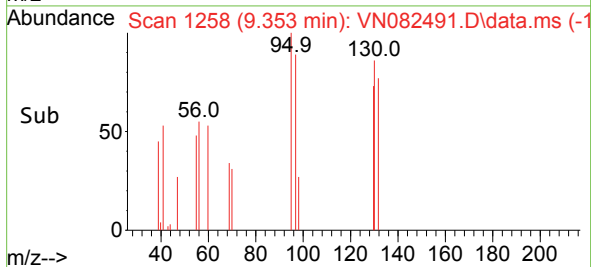
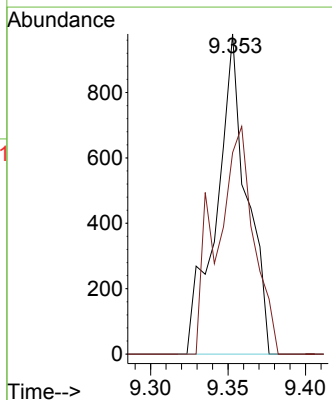
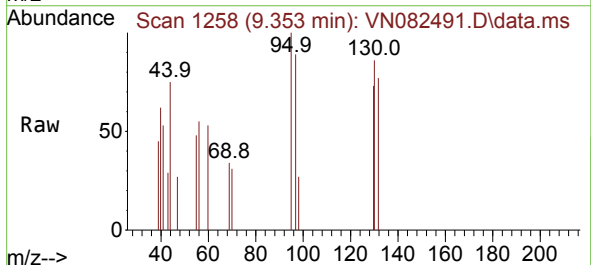
Instrument : MSVOA_N
ClientSampleId : BP-VPB-189-DUP-20240606

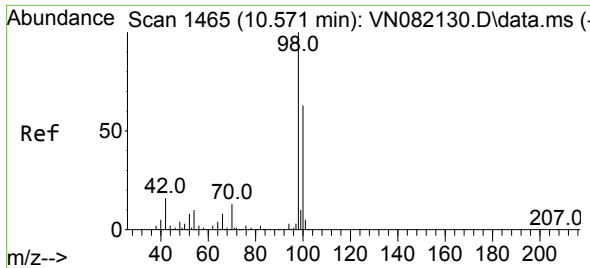
Tgt Ion: 43 Resp: 9001
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#44
Trichloroethene
Concen: 0.661 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

Tgt Ion:130 Resp: 1329
Ion Ratio Lower Upper
130 100
95 62.9 0.0 195.4

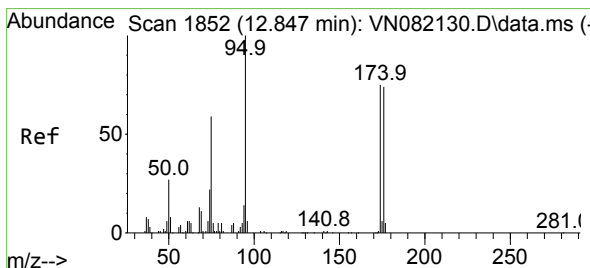
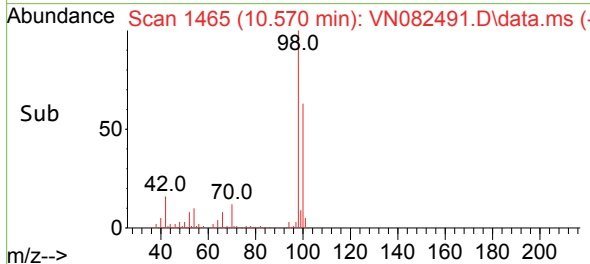
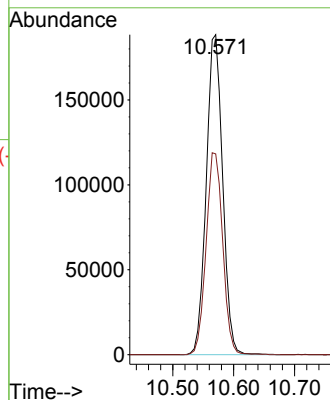
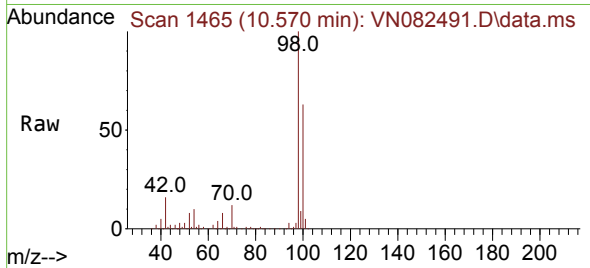




#50
Toluene-d8
Concen: 51.813 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

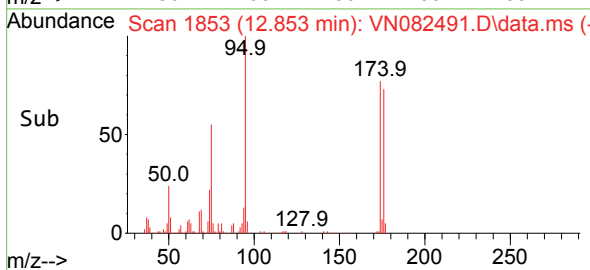
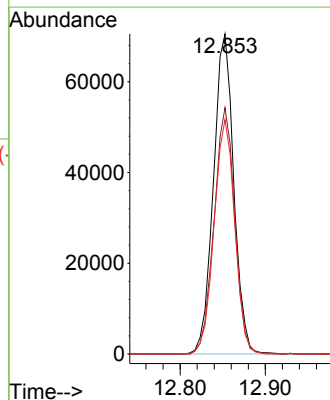
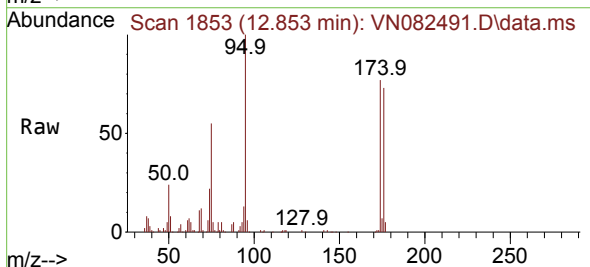
Instrument : MSVOA_N
ClientSampleId : BP-VPB-189-DUP-20240606

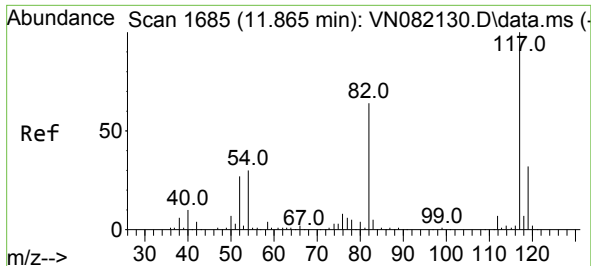
Tgt Ion: 98 Resp: 351761
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 48.187 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

Tgt Ion: 95 Resp: 116766
Ion Ratio Lower Upper
95 100
174 78.2 0.0 160.6
176 74.2 0.0 152.8

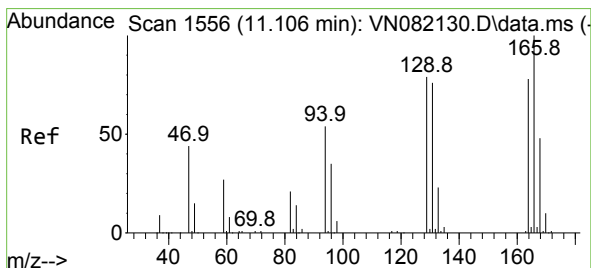
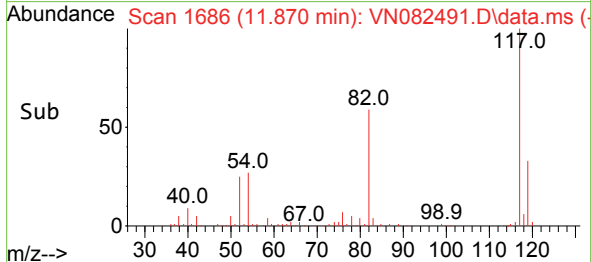
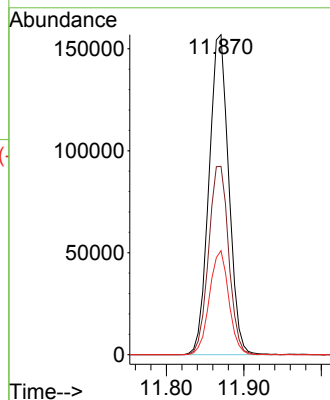
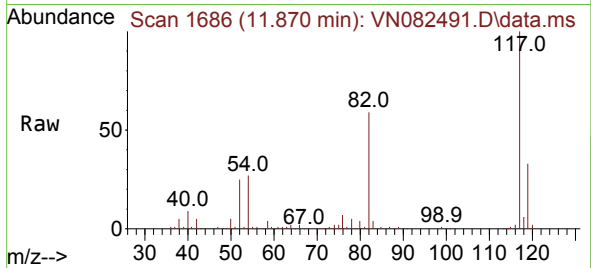




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

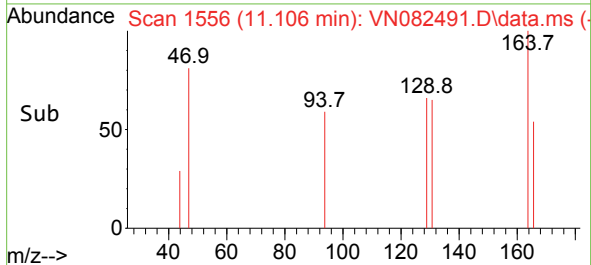
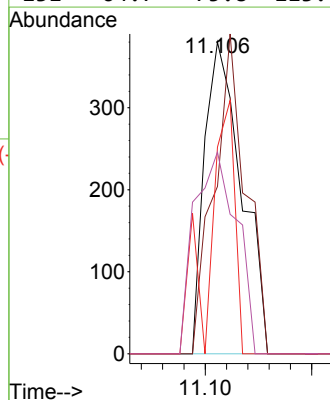
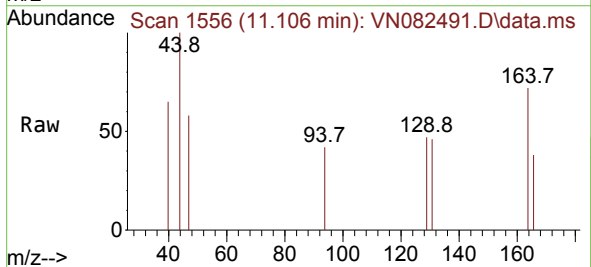
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-DUP-20240606

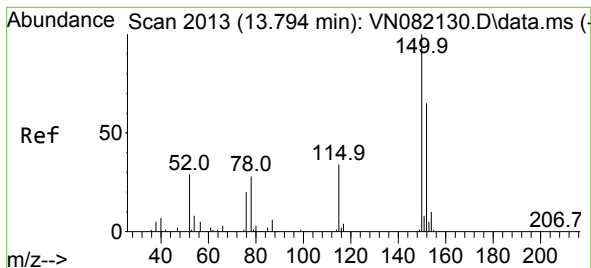
Tgt Ion:117 Resp: 278846
Ion Ratio Lower Upper
117 100
82 58.9 44.6 66.8
119 32.5 25.9 38.9



#64
Tetrachloroethene
Concen: 0.223 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN082491.D
Acq: 07 Jun 2024 14:36

Tgt Ion:164 Resp: 460
Ion Ratio Lower Upper
164 100
166 53.7 97.6 146.4#
129 66.3 73.7 110.5#
131 64.7 75.8 113.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN082491.D

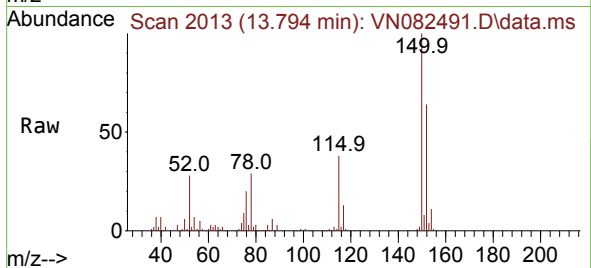
Acq: 07 Jun 2024 14:36

Instrument :

MSVOA_N

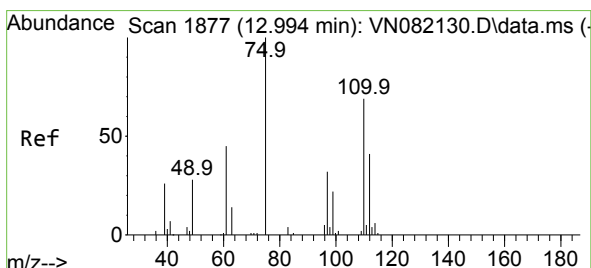
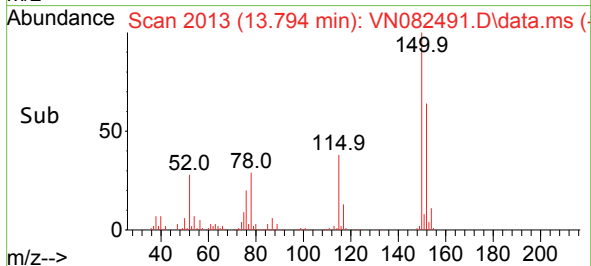
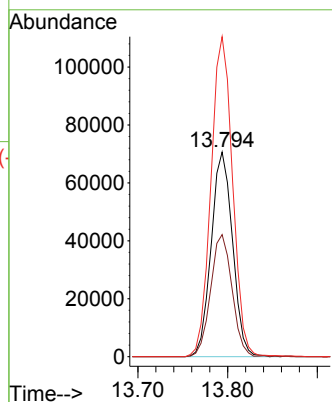
ClientSampleId :

BP-VPB-189-DUP-20240606



Tgt Ion:152 Resp: 116854

Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.4	91.3
150	158.2	0.0	353.2



#76

1,2,3-Trichloropropane

Concen: 27.606 ug/l

RT: 12.853 min Scan# 1853

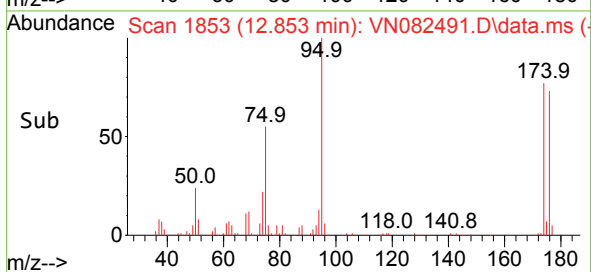
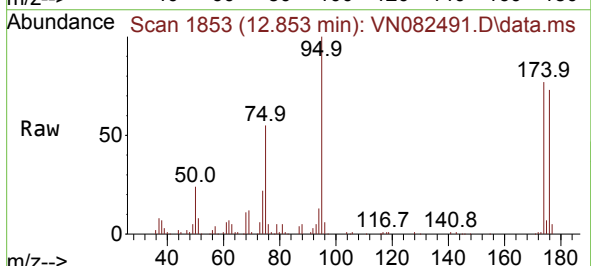
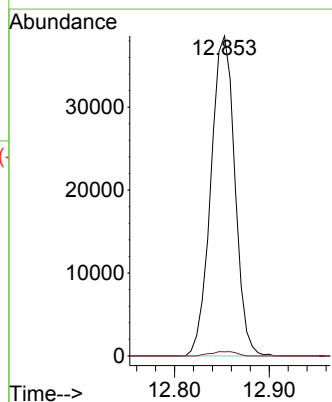
Delta R.T. -0.141 min

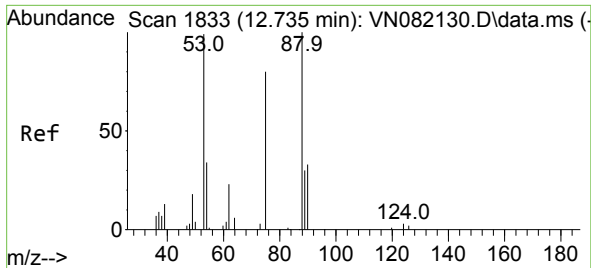
Lab File: VN082491.D

Acq: 07 Jun 2024 14:36

Tgt Ion: 75 Resp: 67897

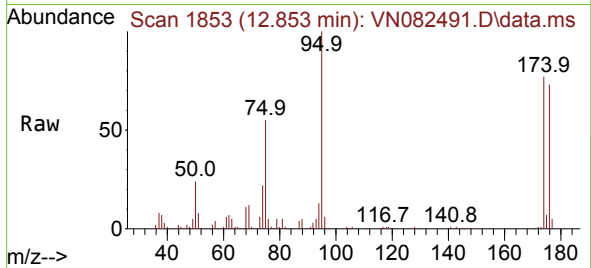
Ion	Ratio	Lower	Upper
75	100		
77	1.5	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.569 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN082491.D
 Acq: 07 Jun 2024 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-DUP-20240606



Tgt Ion:	75	Resp:	67897
Ion	Ratio	Lower	Upper
75	100		
53	0.3	72.9	109.3#
89	0.1	39.1	58.7#

