

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078528.D
 Acq On : 14 Jul 2023 17:38
 Operator : JC\MD
 Sample : 03635-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-071423

Quant Time: Jul 15 04:05:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

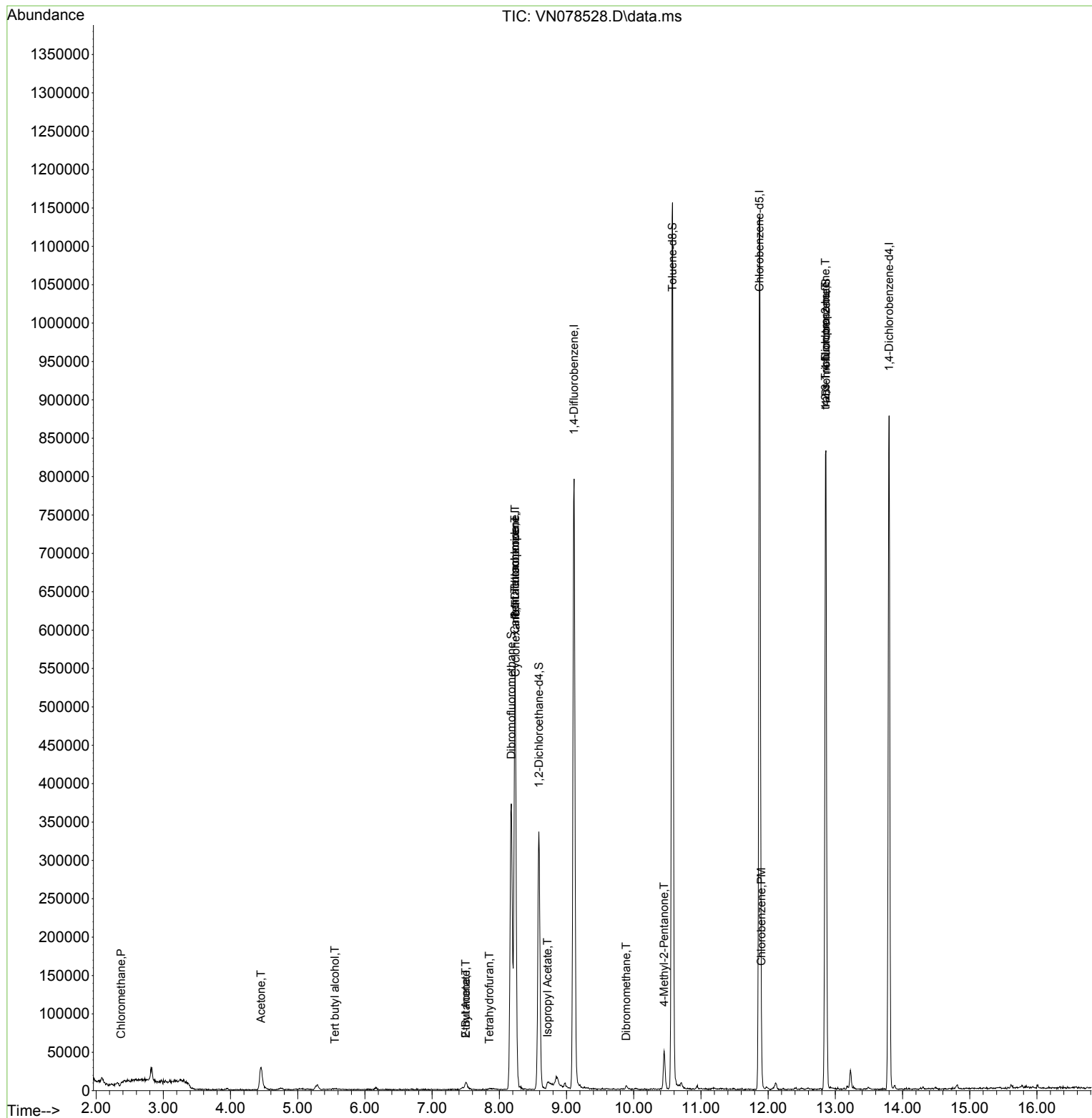
Internal Standards						
1) Pentafluorobenzene	8.236	168	394782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	722357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	671226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	242054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	270975	51.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.400%			
35) Dibromofluoromethane	8.177	113	276916	56.472	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.940%			
50) Toluene-d8	10.577	98	836369	45.150	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.300%			
62) 4-Bromofluorobenzene	12.859	95	295092	51.717	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.440%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1959	0.372	ug/l #	88
5) Bromomethane	2.954	94	249	Below Cal	#	4
6) Chloroethane	3.118	64	557	Below Cal	#	43
11) Tert butyl alcohol	5.553	59	345	0.423	ug/l #	72
16) Acetone	4.453	43	56743	34.419	ug/l	100
20) Methylene Chloride	5.283	84	4530	Below Cal	#	87
25) 2-Butanone	7.500	43	16836	6.488	ug/l #	71
29) Tetrahydrofuran	7.853	42	606	0.356	ug/l #	47
31) Cyclohexane	8.241	56	9315	1.302	ug/l #	34
36) 1,1-Dichloropropene	8.236	75	33319	4.706	ug/l #	40
37) Ethyl Acetate	7.500	43	16836	2.852	ug/l #	63
38) Carbon Tetrachloride	8.230	117	44588	5.794	ug/l #	16
43) Isopropyl Acetate	8.718	43	4173	0.429	ug/l #	49
46) Dibromomethane	9.888	93	1585	0.424	ug/l #	9
51) 4-Methyl-2-Pentanone	10.453	43	31954	5.528	ug/l	93
65) Chlorobenzene	11.900	112	4032	0.269	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.941	83	145	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	157357	26.895	ug/l #	1
77) Bromobenzene	12.865	156	67	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	157357	70.676	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.500	75	54	Below Cal	#	4

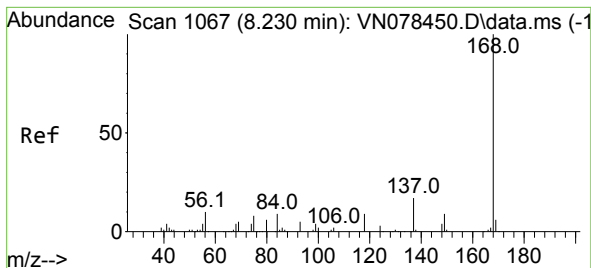
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. 0.006 min

Lab File: VN078528.D

Acq: 14 Jul 2023 17:38

Instrument :

MSVOA_N

ClientSampleId :

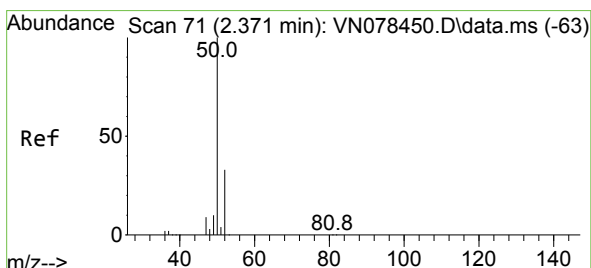
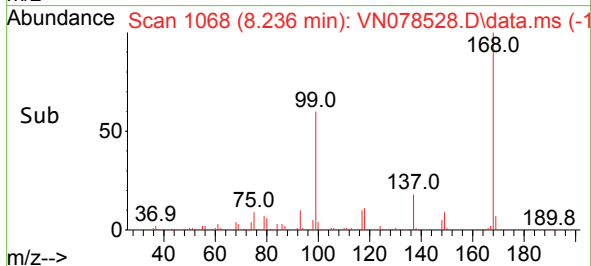
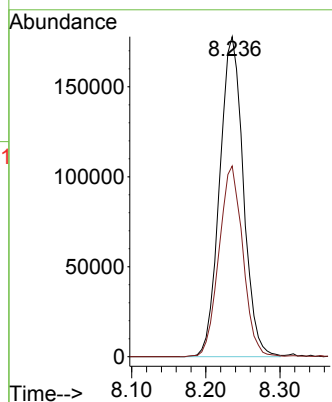
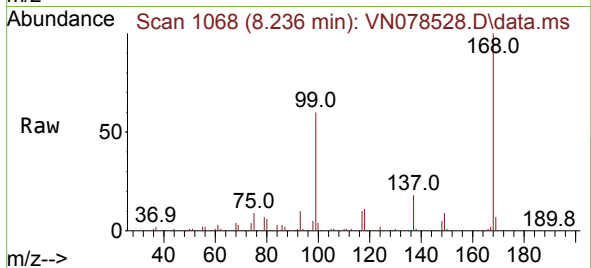
EB-01-071423

Tgt Ion:168 Resp: 394782

Ion Ratio Lower Upper

168 100

99 59.6 53.0 79.6



#3

Chloromethane

Concen: 0.372 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078528.D

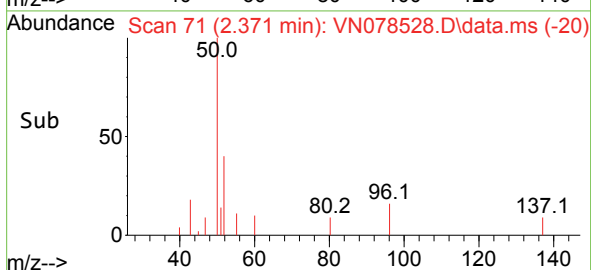
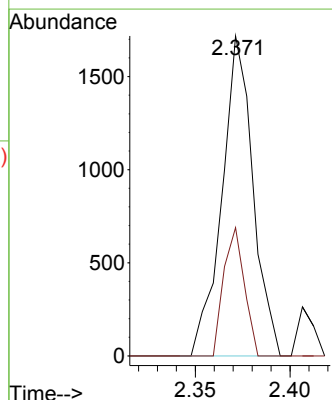
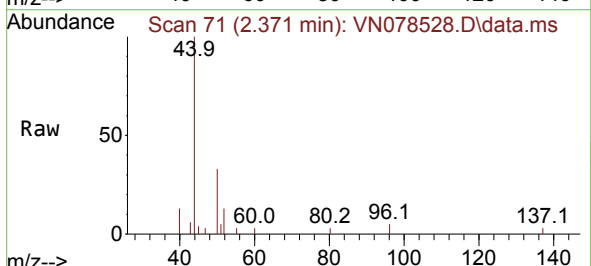
Acq: 14 Jul 2023 17:38

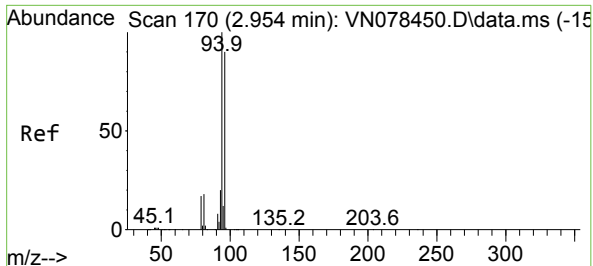
Tgt Ion: 50 Resp: 1959

Ion Ratio Lower Upper

50 100

52 40.1 26.5 39.7#

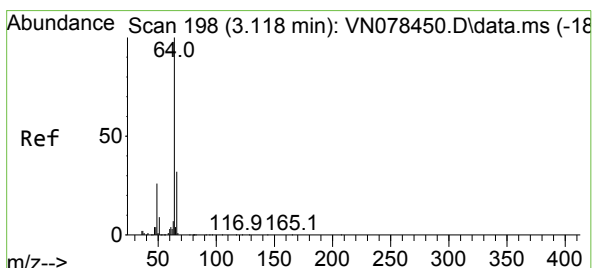
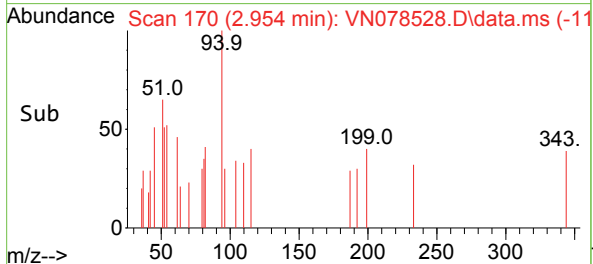
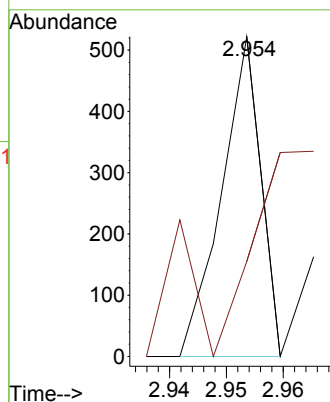
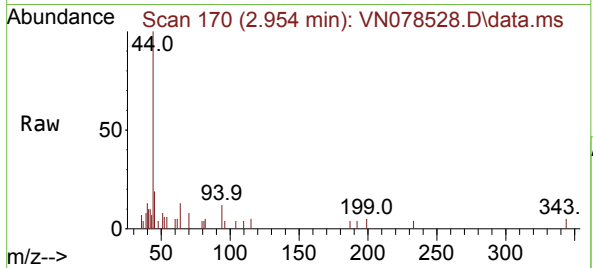




#5
Bromomethane
Concen: Below Cal
RT: 2.954 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

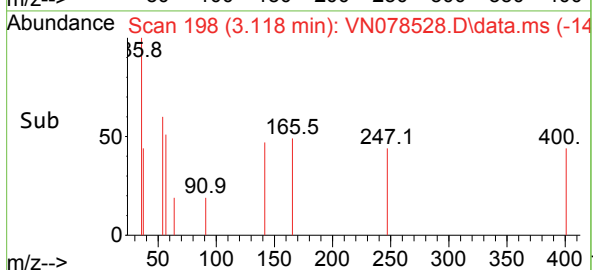
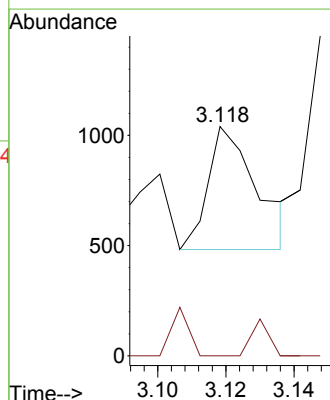
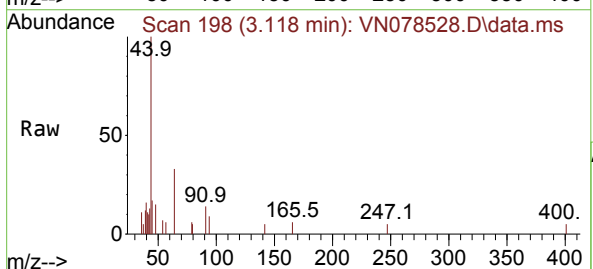
Instrument :
MSVOA_N
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EB-01-071423

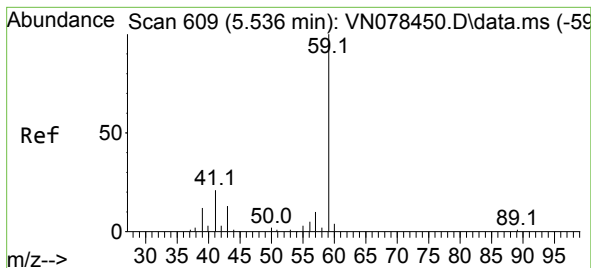
Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

Tgt Ion: 64 Resp: 557
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.423 ug/l

RT: 5.553 min Scan# 612

Delta R.T. 0.017 min

Lab File: VN078528.D

Acq: 14 Jul 2023 17:38

Instrument :

MSVOA_N

ClientSampleId :

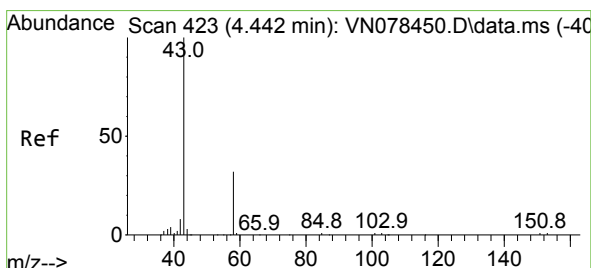
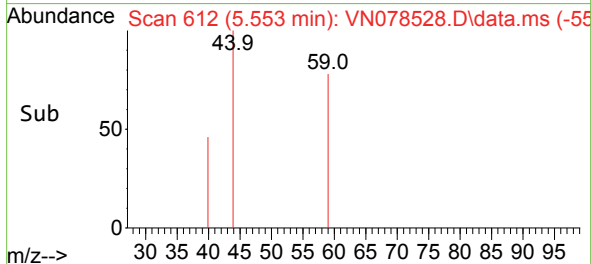
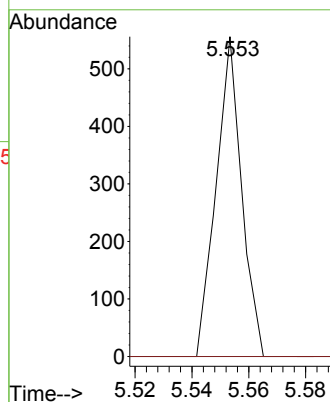
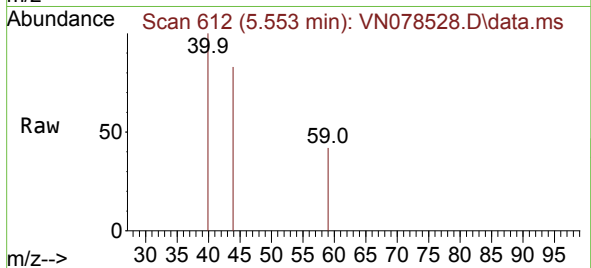
EB-01-071423

Tgt Ion: 59 Resp: 345

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 34.419 ug/l

RT: 4.453 min Scan# 425

Delta R.T. 0.011 min

Lab File: VN078528.D

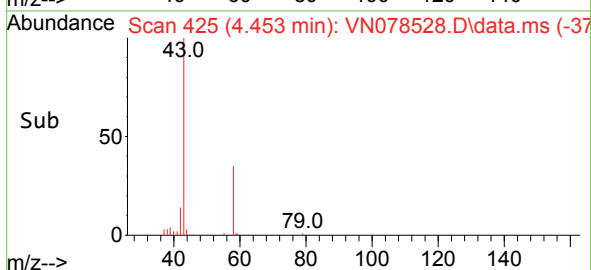
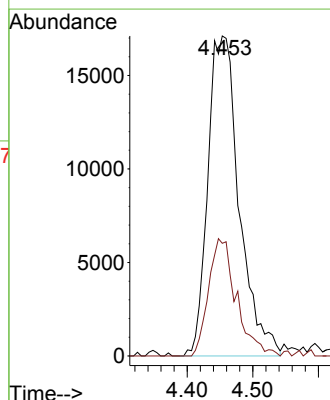
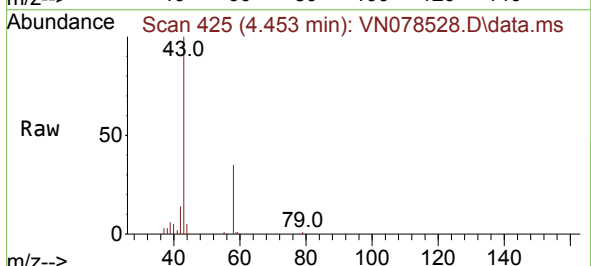
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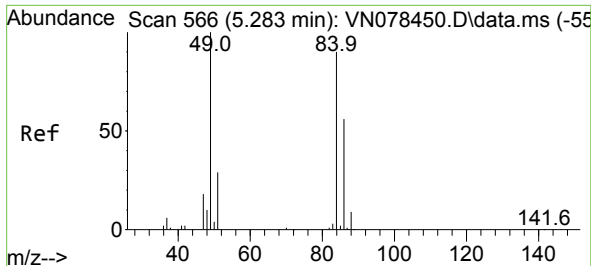
Tgt Ion: 43 Resp: 56743

Ion Ratio Lower Upper

43 100

58 35.2 28.0 42.0

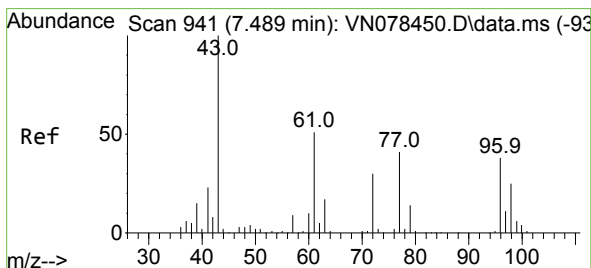
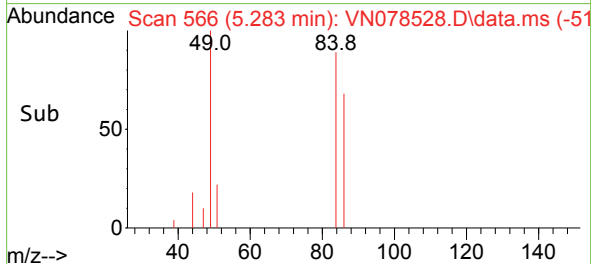
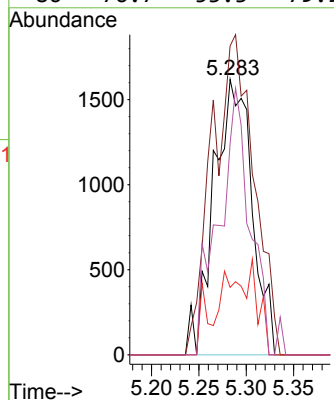
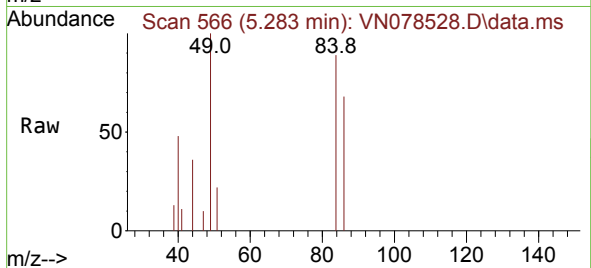




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

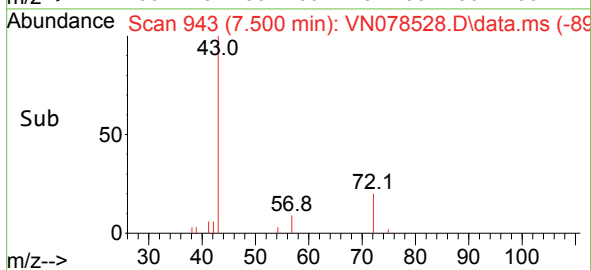
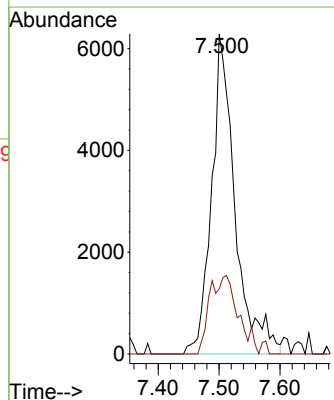
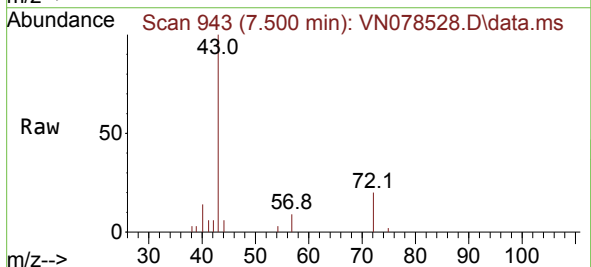
Instrument :
MSVOA_N
ClientSampleId :
EB-01-071423

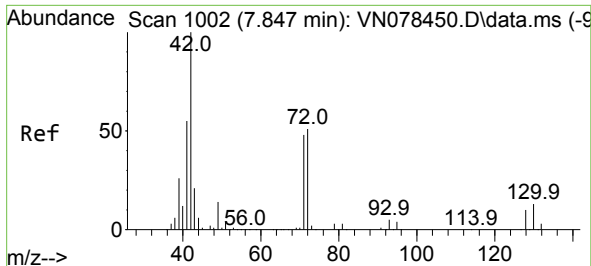
Tgt Ion:	84	Resp:	4530
Ion	Ratio	Lower	Upper
84	100		
49	112.2	79.7	119.5
51	24.5	25.2	37.8#
86	76.7	53.3	79.9



#25
2-Butanone
Concen: 6.488 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.011 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

Tgt Ion:	43	Resp:	16836
Ion	Ratio	Lower	Upper
43	100		
72	20.4	30.2	45.2#

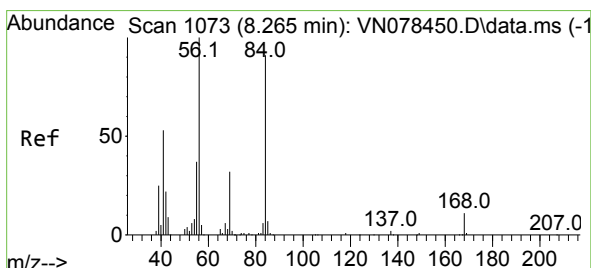
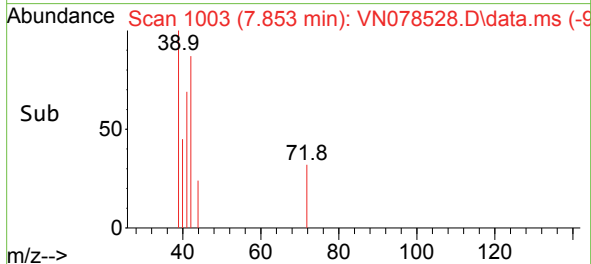
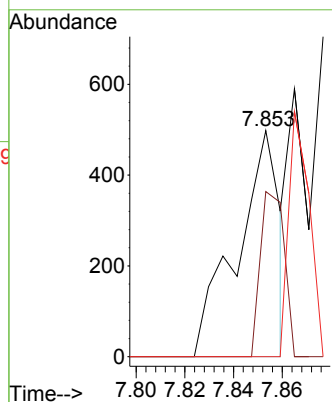
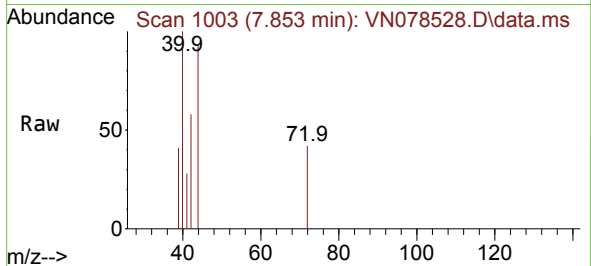




#29
Tetrahydrofuran
Concen: 0.356 ug/l
RT: 7.853 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

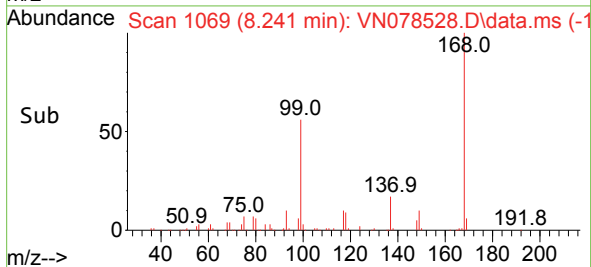
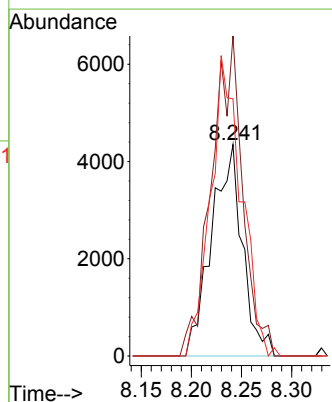
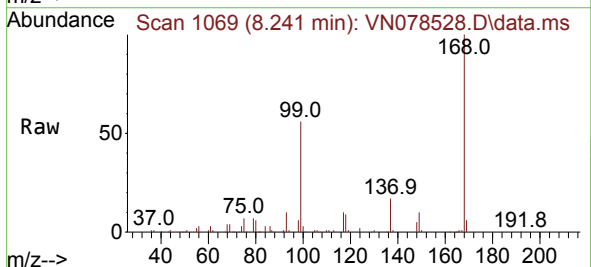
Instrument :
MSVOA_N
ClientSampleId :
EB-01-071423

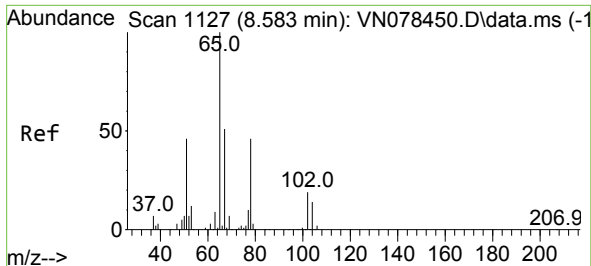
Tgt Ion: 42 Resp: 606
Ion Ratio Lower Upper
42 100
72 41.1 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

Tgt Ion: 56 Resp: 9315
Ion Ratio Lower Upper
56 100
69 151.3 26.8 40.2#
84 121.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 51.200 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078528.D

Acq: 14 Jul 2023 17:38

Instrument :

MSVOA_N

ClientSampleId :

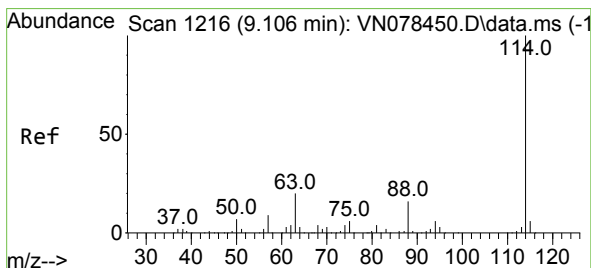
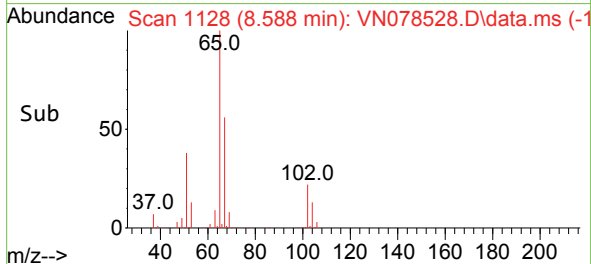
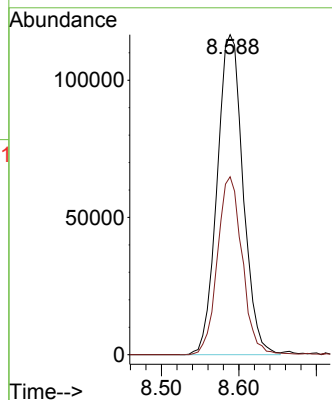
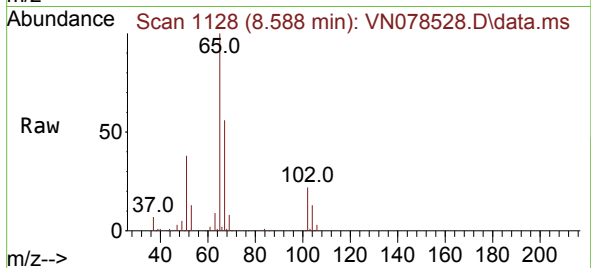
EB-01-071423

Tgt Ion: 65 Resp: 270975

Ion Ratio Lower Upper

65 100

67 53.2 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: VN078528.D

Acq: 14 Jul 2023 17:38

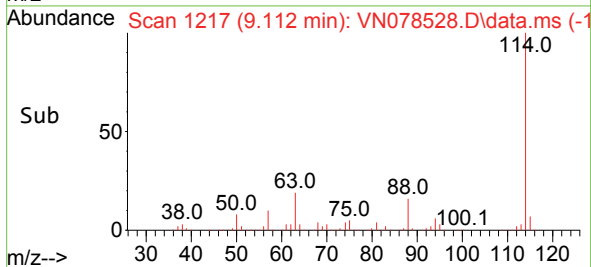
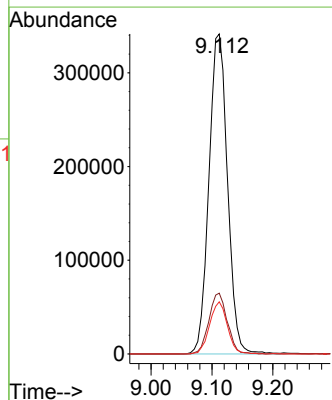
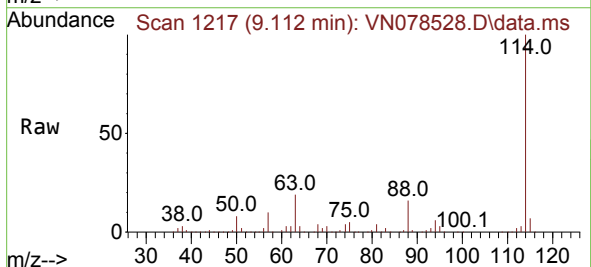
Tgt Ion: 114 Resp: 722357

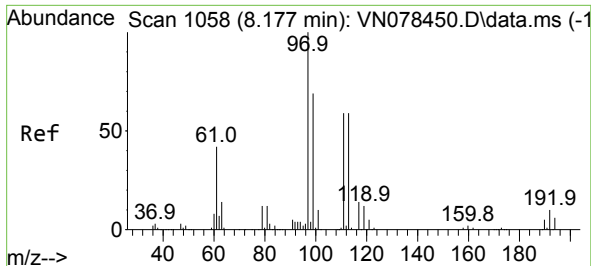
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 16.3 0.0 30.6

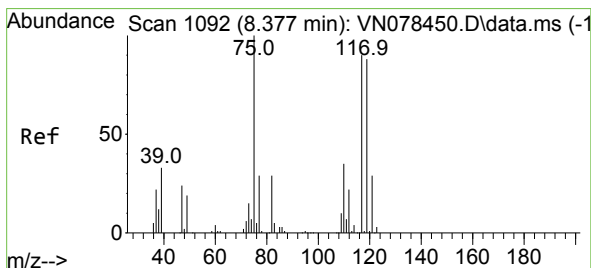
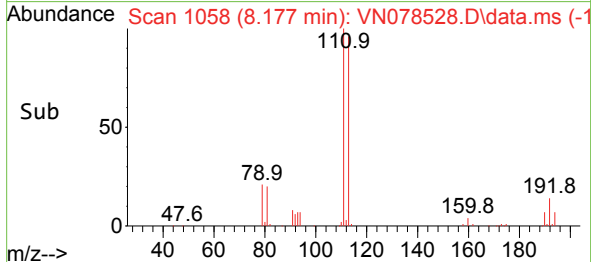
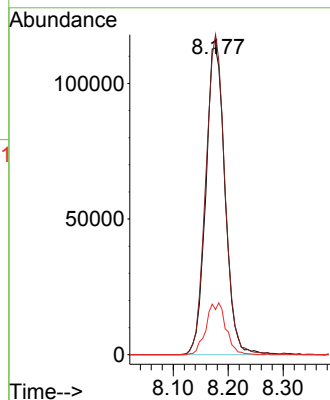
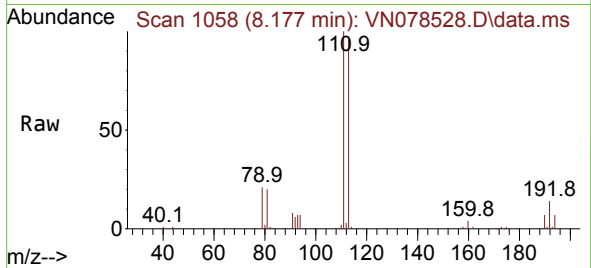




#35
 Dibromofluoromethane
 Concen: 56.472 ug/l
 RT: 8.177 min Scan# 1058
 Delta R.T. -0.000 min
 Lab File: VN078528.D
 Acq: 14 Jul 2023 17:38

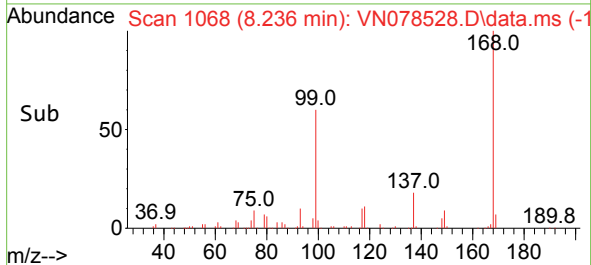
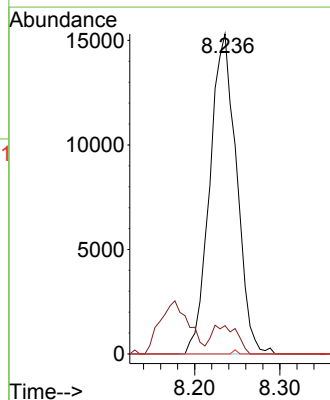
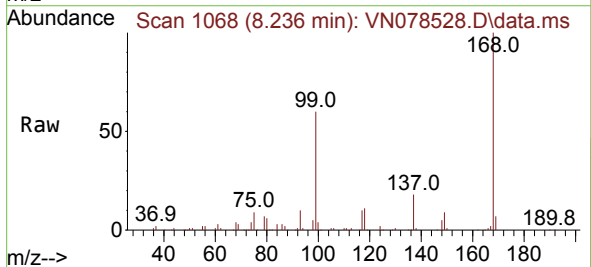
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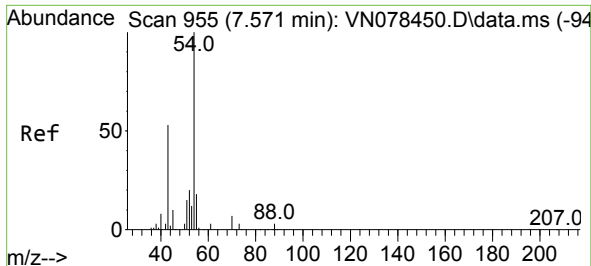
Tgt Ion:113 Resp: 276916
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.6 123.8
 192 17.3 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.706 ug/l
 RT: 8.236 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN078528.D
 Acq: 14 Jul 2023 17:38

Tgt Ion: 75 Resp: 33319
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.3#
 77 0.2 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.852 ug/l

RT: 7.500 min Scan# 943

Delta R.T. -0.071 min

Lab File: VN078528.D

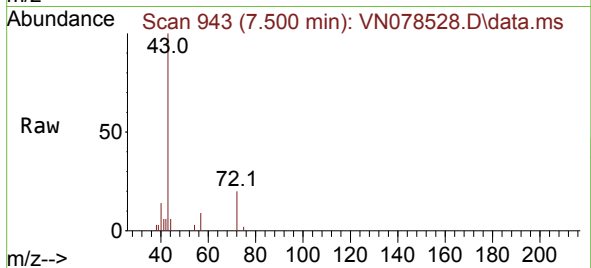
Acq: 14 Jul 2023 17:38

Instrument :

MSVOA_N

ClientSampleId :

EB-01-071423



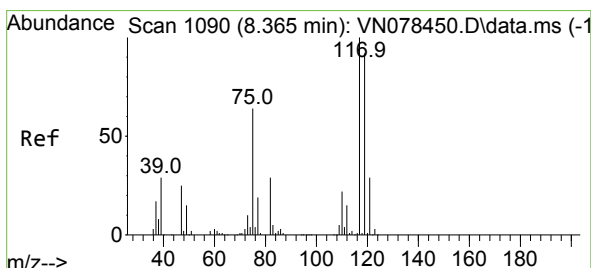
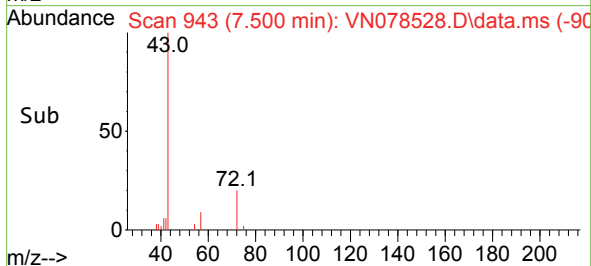
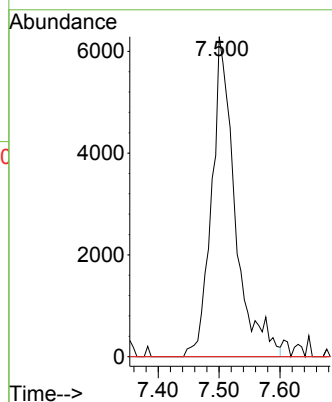
Tgt Ion: 43 Resp: 16836

Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 0.0 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.794 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN078528.D

Acq: 14 Jul 2023 17:38

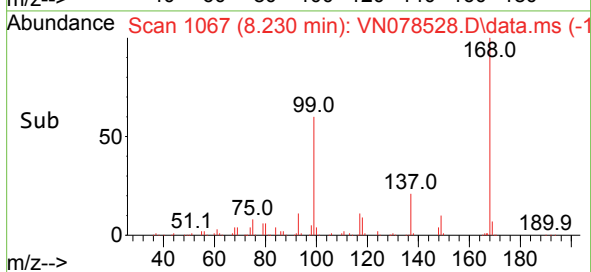
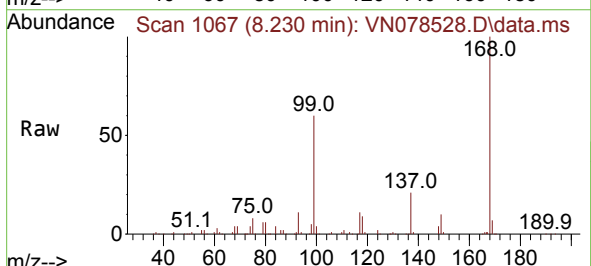
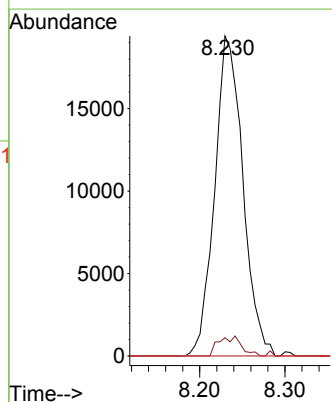
Tgt Ion: 117 Resp: 44588

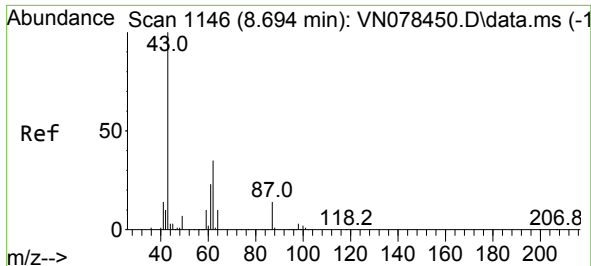
Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#

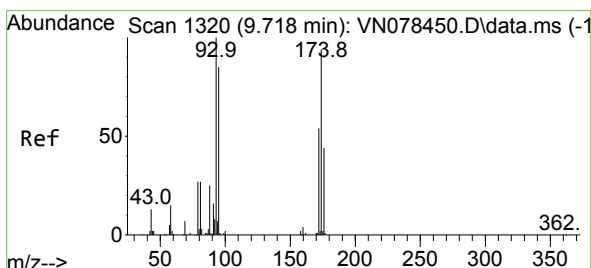
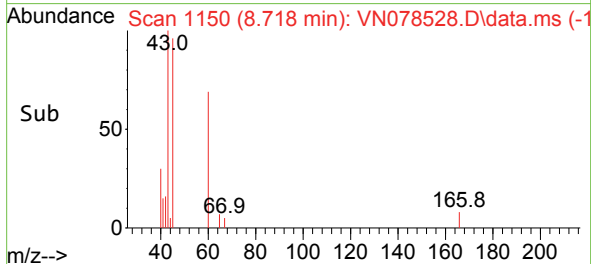
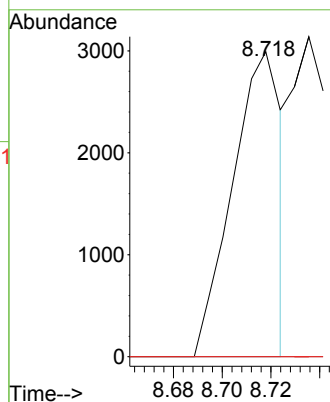
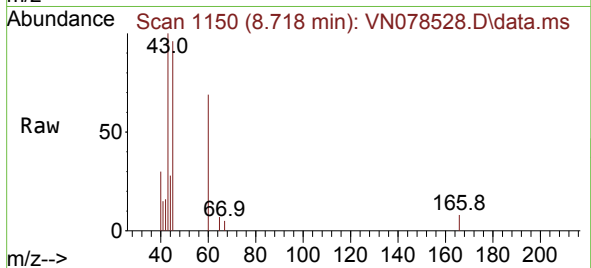




#43
Isopropyl Acetate
Concen: 0.429 ug/l
RT: 8.718 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

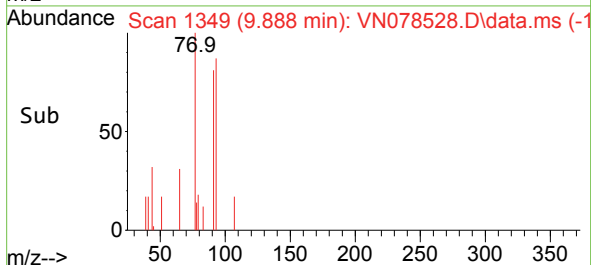
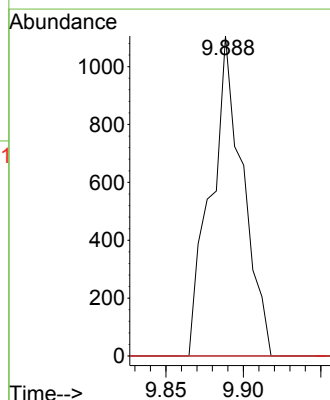
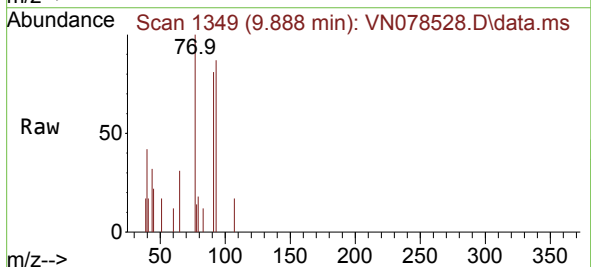
Instrument :
MSVOA_N
ClientSampleId :
EB-01-071423

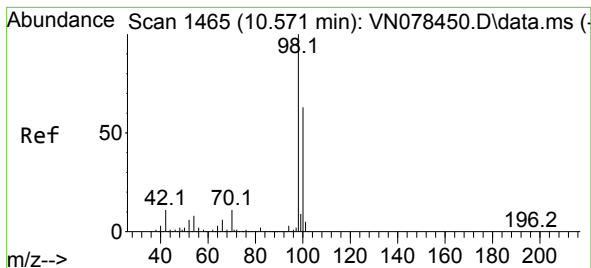
Tgt Ion: 43 Resp: 4173
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#46
Dibromomethane
Concen: 0.424 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.170 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

Tgt Ion: 93 Resp: 1585
Ion Ratio Lower Upper
93 100
95 0.0 63.8 95.8#
174 0.0 65.6 98.4#





#50

Toluene-d8

Concen: 45.150 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078528.D

Acq: 14 Jul 2023 17:38

Instrument :

MSVOA_N

ClientSampleId :

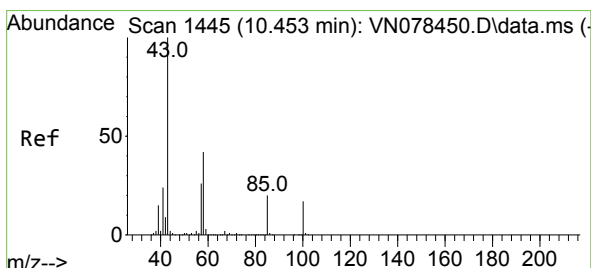
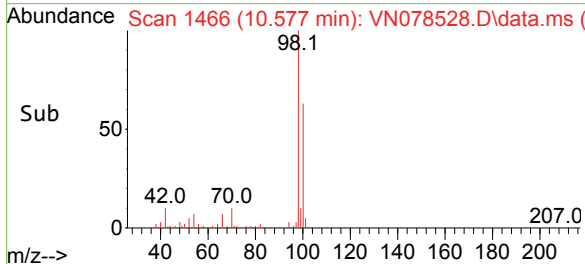
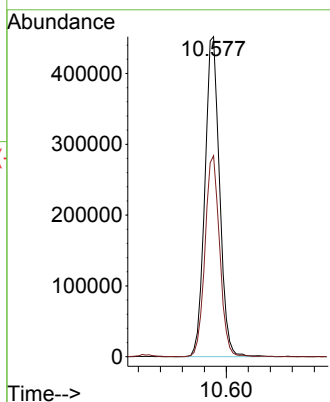
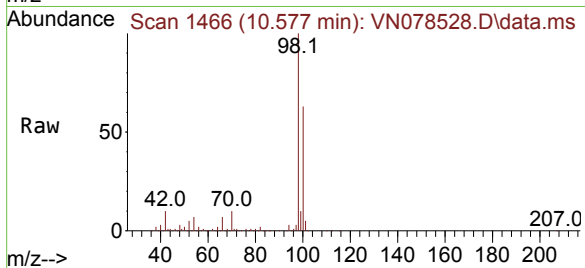
EB-01-071423

Tgt Ion: 98 Resp: 836369

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 5.528 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.000 min

Lab File: VN078528.D

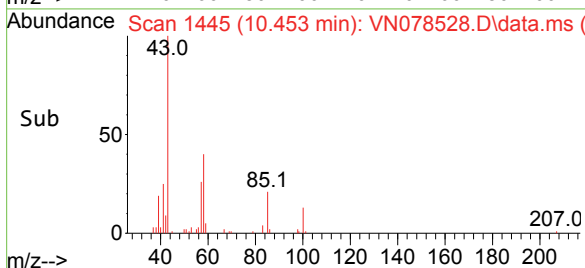
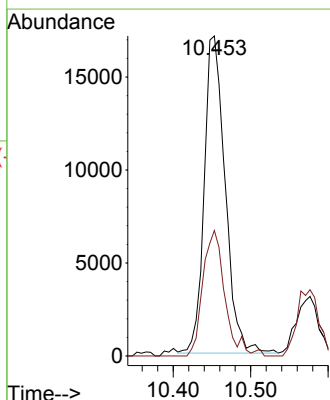
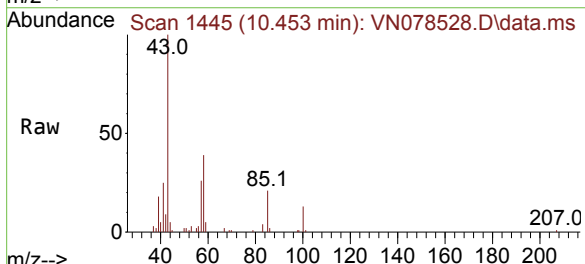
Acq: 14 Jul 2023 17:38

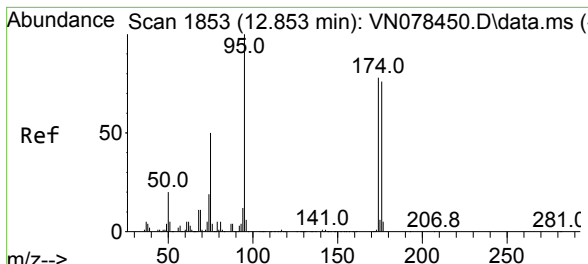
Tgt Ion: 43 Resp: 31954

Ion Ratio Lower Upper

43 100

58 41.0 36.6 54.8

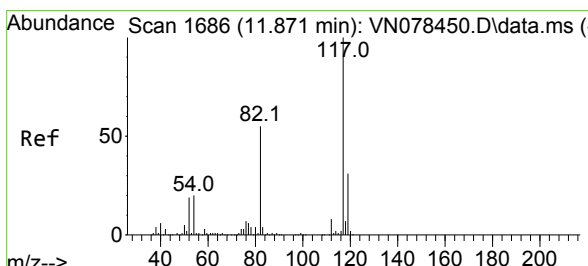
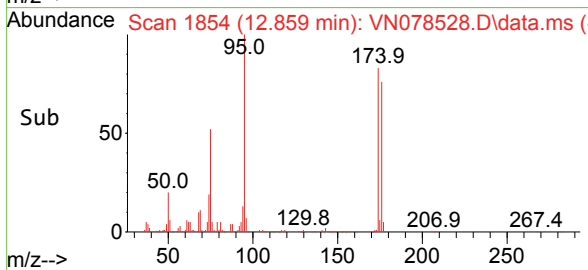
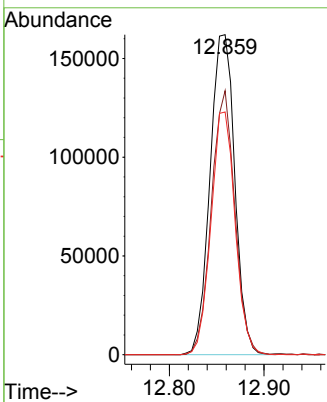
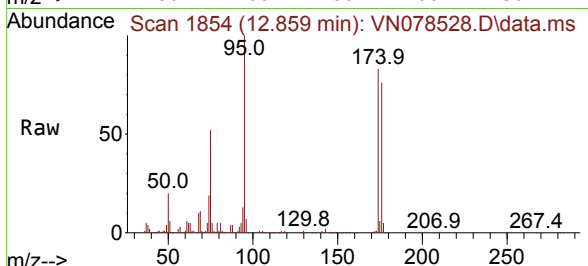




#62
4-Bromofluorobenzene
Concen: 51.717 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

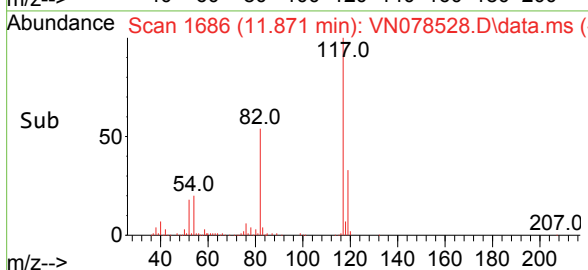
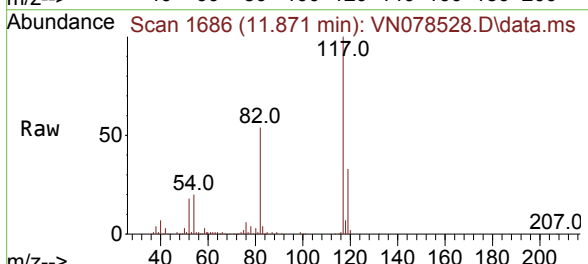
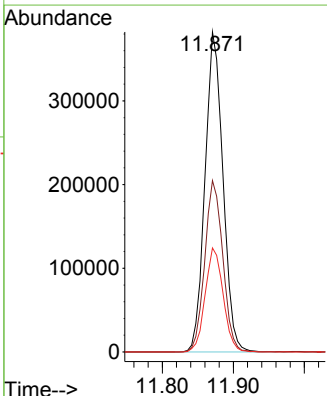
Instrument :
MSVOA_N
ClientSampleId :
EB-01-071423

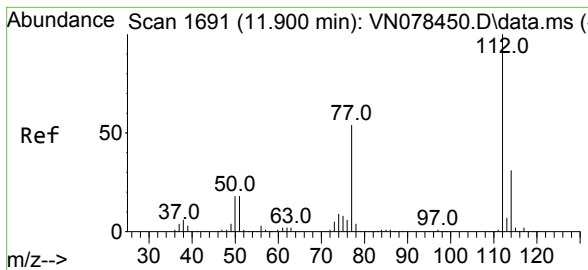
Tgt Ion:	95	Resp:	295092
Ion Ratio	Lower	Upper	
95	100		
174	78.2	0.0	143.8
176	73.9	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

Tgt Ion:	117	Resp:	671226
Ion Ratio	Lower	Upper	
117	100		
82	53.5	44.0	66.0
119	32.5	25.6	38.4

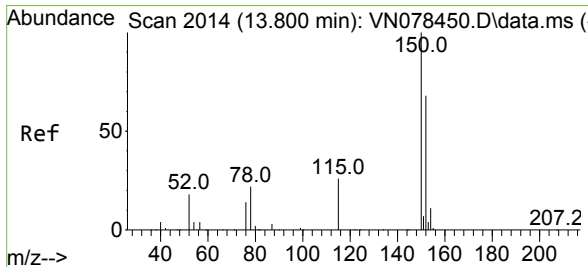
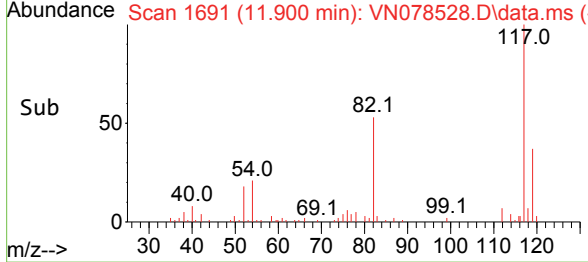
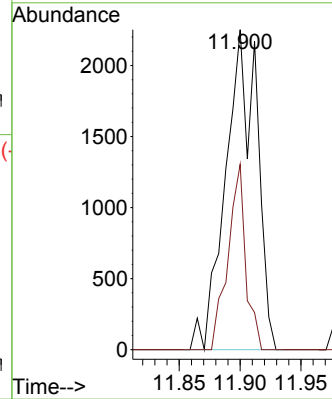
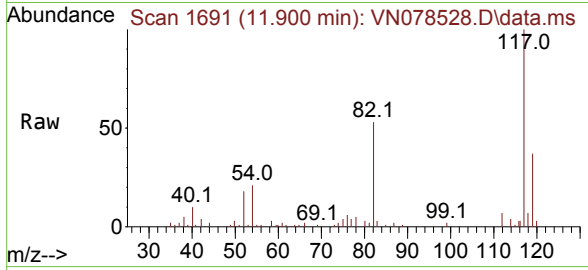




#65
Chlorobenzene
Concen: 0.269 ug/l
RT: 11.900 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

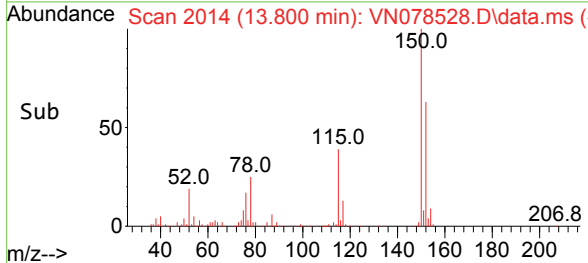
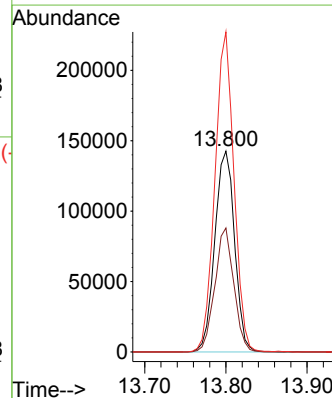
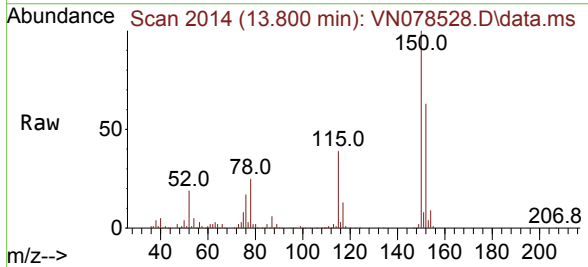
Instrument :
MSVOA_N
ClientSampleId :
EB-01-071423

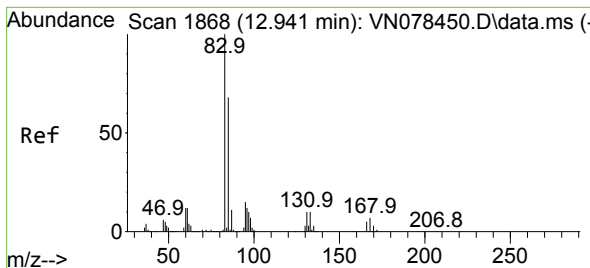
Tgt Ion:112 Resp: 4032
Ion Ratio Lower Upper
112 100
114 57.9 25.0 37.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078528.D
Acq: 14 Jul 2023 17:38

Tgt Ion:152 Resp: 242054
Ion Ratio Lower Upper
152 100
115 59.2 32.3 96.8
150 152.8 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: VN078528.D

Acq: 14 Jul 2023 17:38

Instrument :

MSVOA_N

ClientSampleId :

EB-01-071423

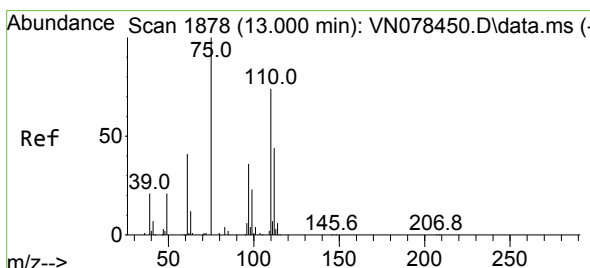
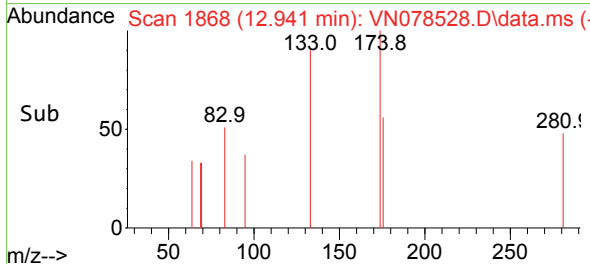
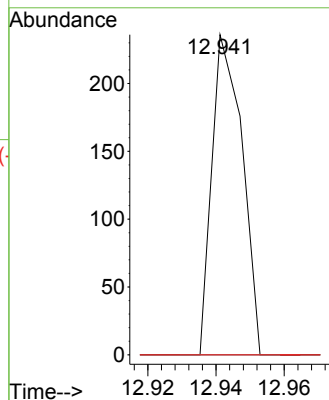
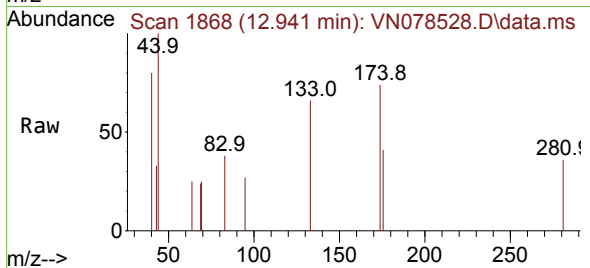
Tgt Ion: 83 Resp: 145

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: 26.895 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078528.D

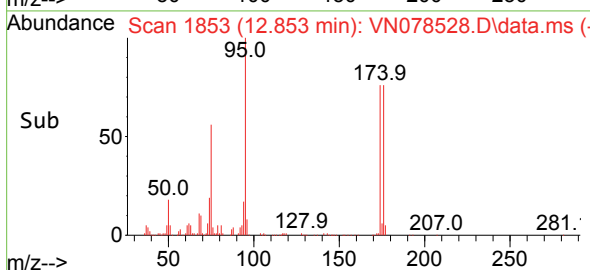
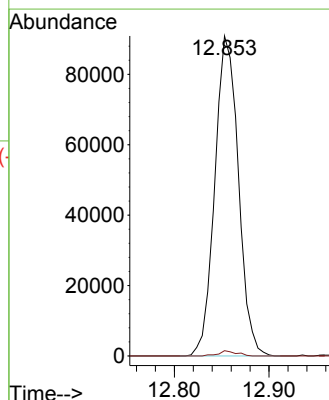
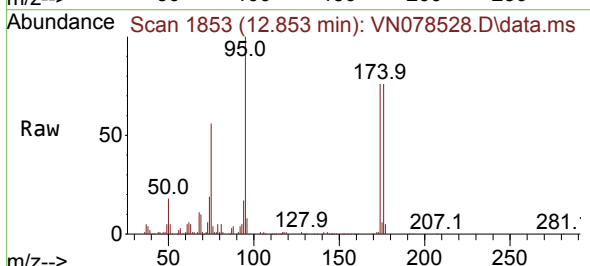
Acq: 14 Jul 2023 17:38

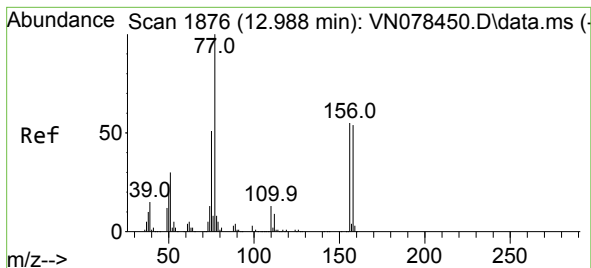
Tgt Ion: 75 Resp: 157357

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.865 min Scan# 1855

Delta R.T. -0.123 min

Lab File: VN078528.D

Acq: 14 Jul 2023 17:38

Instrument :

MSVOA_N

ClientSampleId :

EB-01-071423

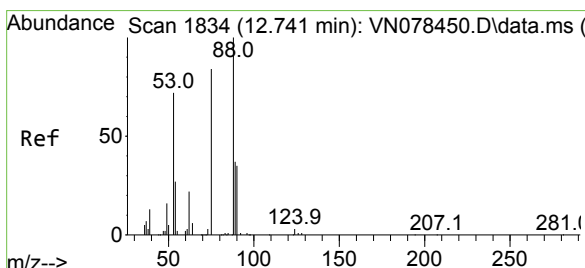
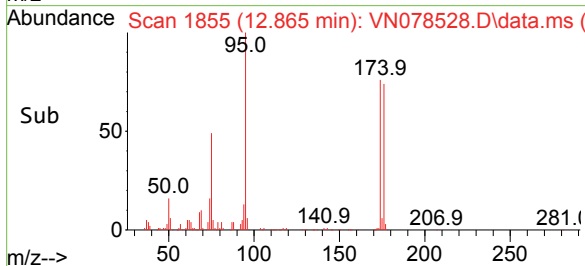
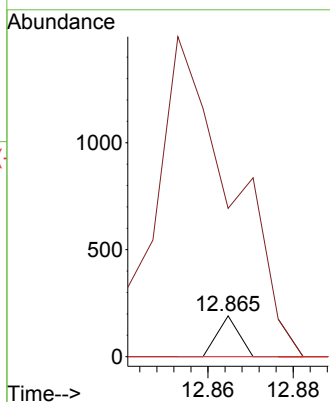
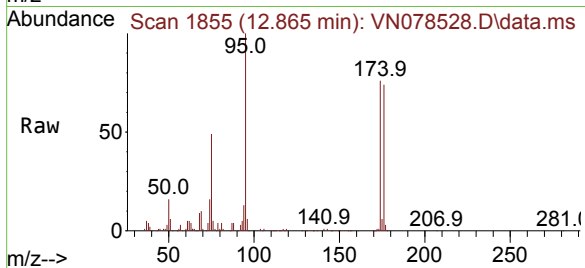
Tgt Ion:156 Resp: 67

Ion Ratio Lower Upper

156 100

77 2914.9 107.7 323.3#

158 0.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.676 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078528.D

Acq: 14 Jul 2023 17:38

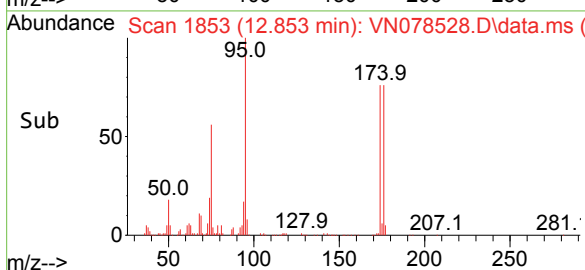
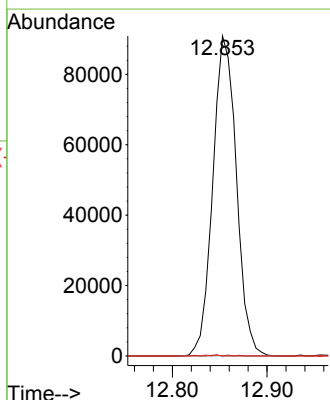
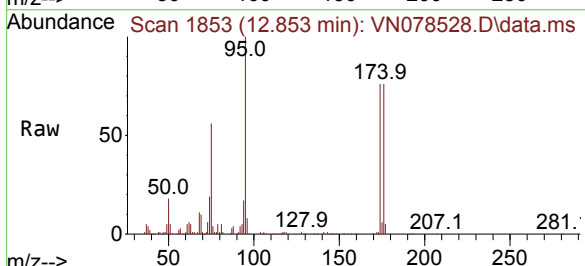
Tgt Ion: 75 Resp: 157357

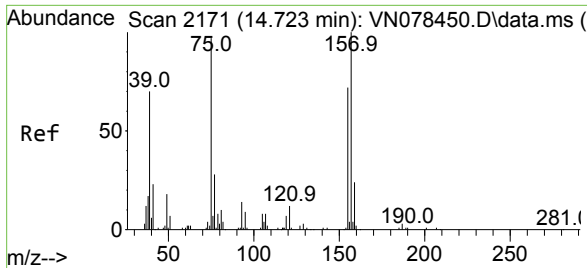
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

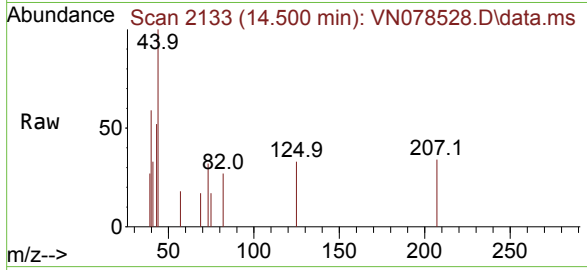
89 0.1 38.8 58.2#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.500 min Scan# 21
 Delta R.T. -0.223 min
 Lab File: VN078528.D
 Acq: 14 Jul 2023 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-071423



Tgt Ion: 75 Resp: 54
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

