

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078237.D
 Acq On : 15 Jun 2023 18:45
 Operator : JC\MD
 Sample : 03231-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-EQB-2-06132023

Quant Time: Jun 16 06:11:04 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)

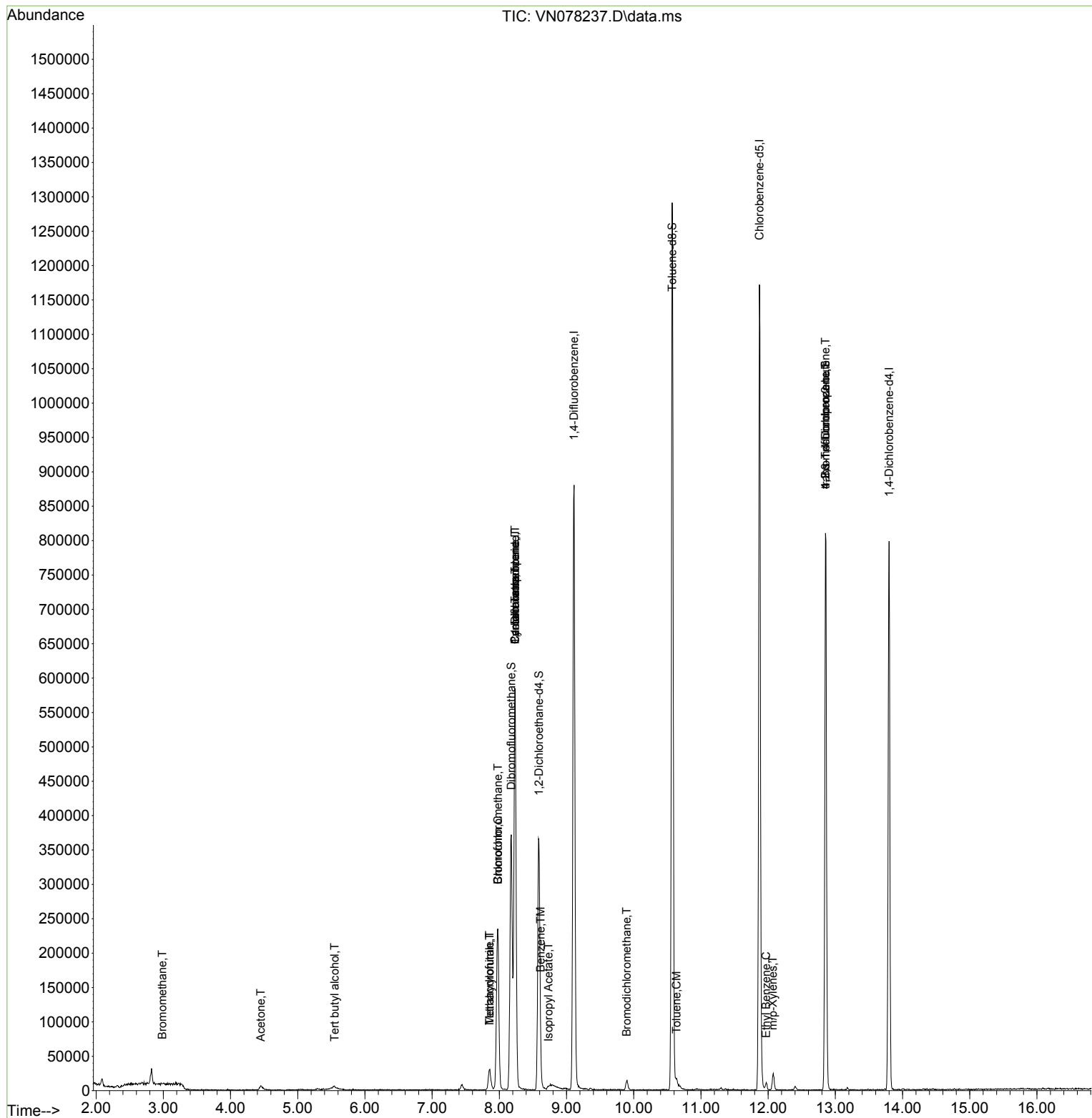
Internal Standards						
1) Pentafluorobenzene	8.236	168	420986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	776197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	695553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	222469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	308624	54.983	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.960%
35) Dibromofluoromethane	8.177	113	274891	56.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.020%
50) Toluene-d8	10.571	98	916929	48.463	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.920%
62) 4-Bromofluorobenzene	12.853	95	290580	49.403	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1269	Below Cal	#	42
5) Bromomethane	2.983	94	962	0.204	ug/l	90
11) Tert butyl alcohol	5.548	59	5850	7.548	ug/l #	94
16) Acetone	4.448	43	10760	6.660	ug/l	93
28) Bromochloromethane	7.977	49	17798	4.452	ug/l #	5
29) Tetrahydrofuran	7.853	42	22004	13.248	ug/l #	85
30) Chloroform	7.977	83	235071	25.069	ug/l	96
31) Cyclohexane	8.236	56	10554	1.466	ug/l #	32
36) 1,1-Dichloropropene	8.236	75	35960	5.108	ug/l #	48
38) Carbon Tetrachloride	8.236	117	44392	5.972	ug/l #	15
40) Benzene	8.612	78	12290	0.585	ug/l #	80
41) Methacrylonitrile	7.853	41	14604	4.899	ug/l #	36
43) Isopropyl Acetate	8.730	43	3806	0.362	ug/l #	49
47) Bromodichloromethane	9.894	83	9125	1.275	ug/l #	98
52) Toluene	10.635	92	3797	0.286	ug/l	98
67) Ethyl Benzene	11.971	91	7398	0.288	ug/l	100
68) m/p-Xylenes	12.071	106	8450	0.863	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.882	83	69	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	157392	29.927	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	157392	91.944	ug/l #	15

(#) = 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# 1

Delta R.T. 0.001 min

Lab File: VN078237.D

Acq: 15 Jun 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

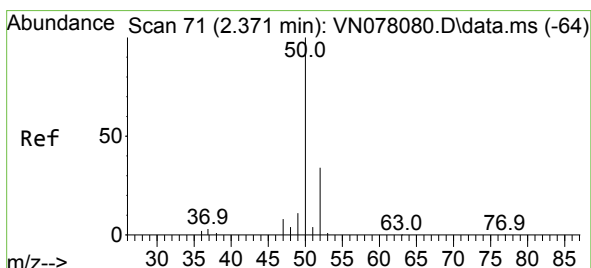
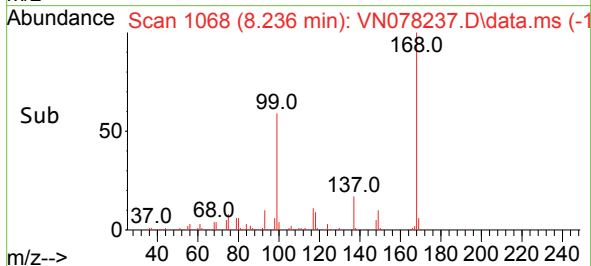
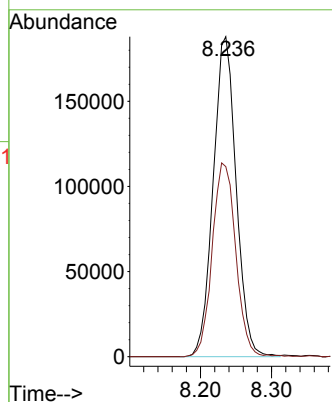
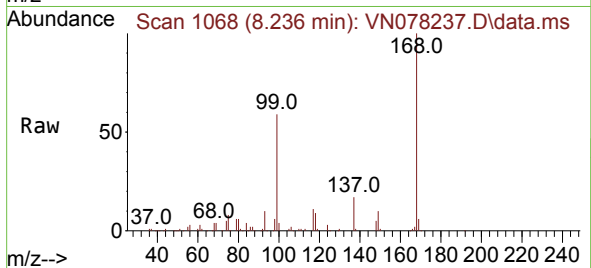
FSND-EQB-2-06132023

Tgt Ion:168 Resp: 420986

Ion Ratio Lower Upper

168 100

99 59.4 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN078237.D

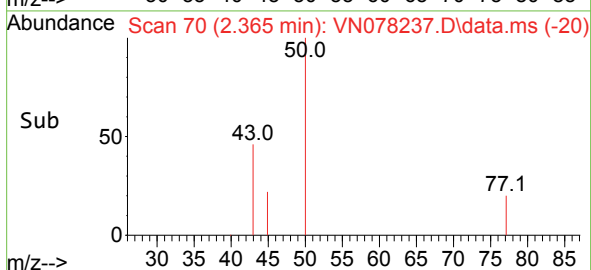
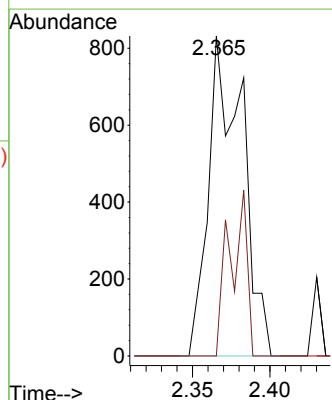
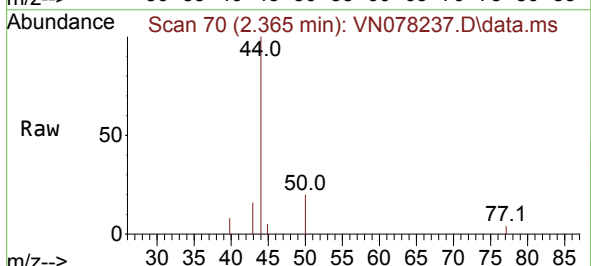
Acq: 15 Jun 2023 18:45

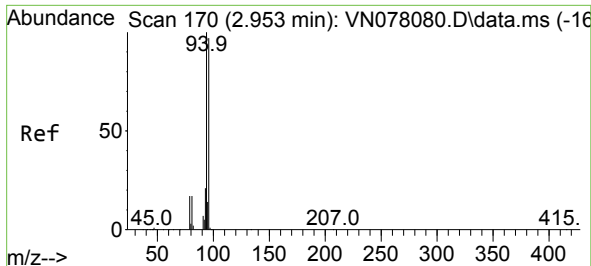
Tgt Ion: 50 Resp: 1269

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

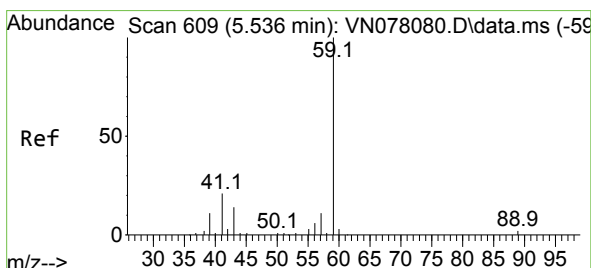
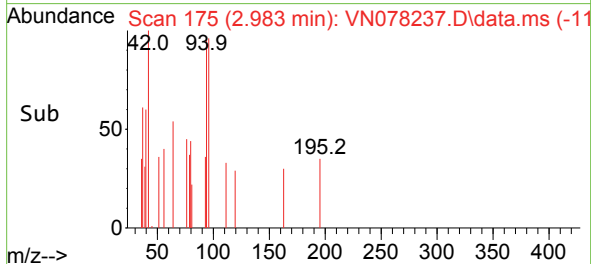
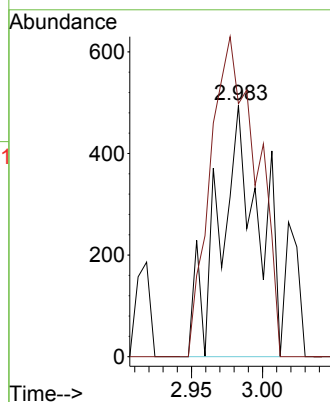
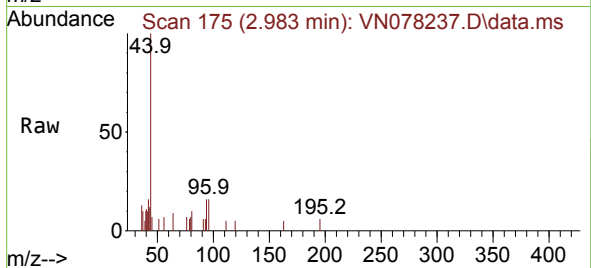




#5
Bromomethane
Concen: 0.204 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

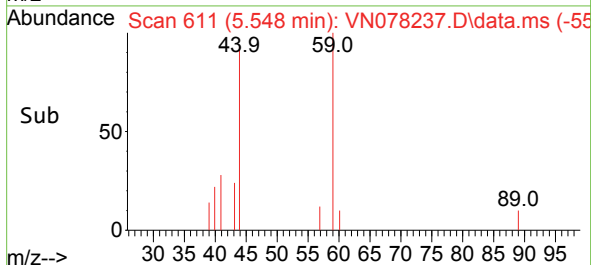
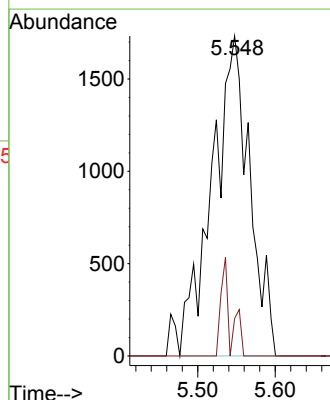
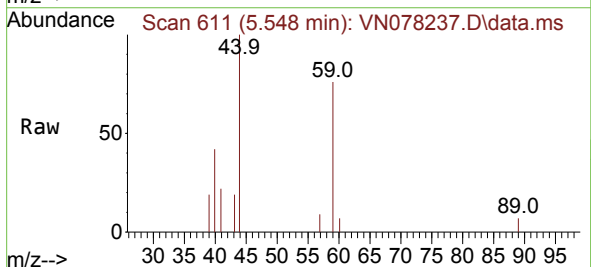
Instrument :
MSVOA_N
ClientSampleId :
FSND-EQB-2-06132023

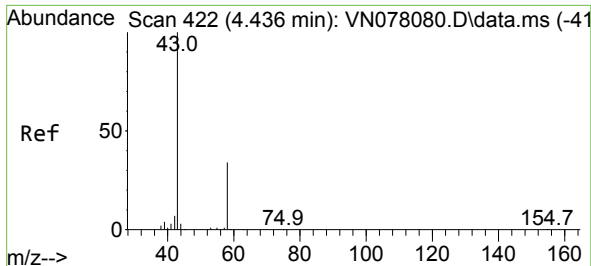
Tgt Ion: 94 Resp: 962
Ion Ratio Lower Upper
94 100
96 100.6 73.1 109.7



#11
Tert butyl alcohol
Concen: 7.548 ug/l
RT: 5.548 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Tgt Ion: 59 Resp: 5850
Ion Ratio Lower Upper
59 100
57 8.0 8.2 12.4#

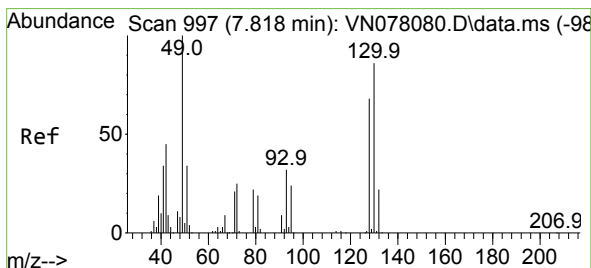
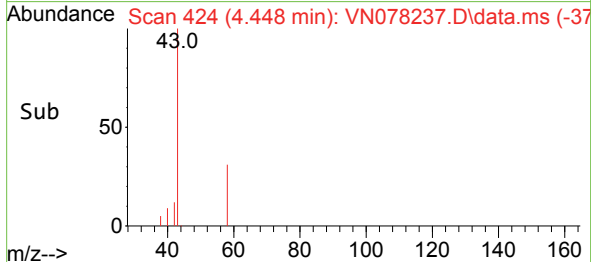
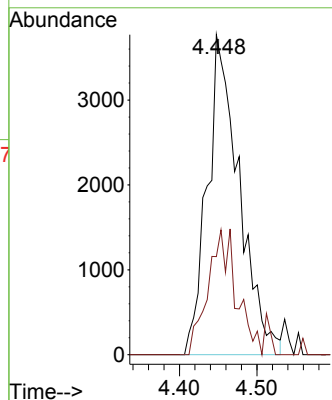
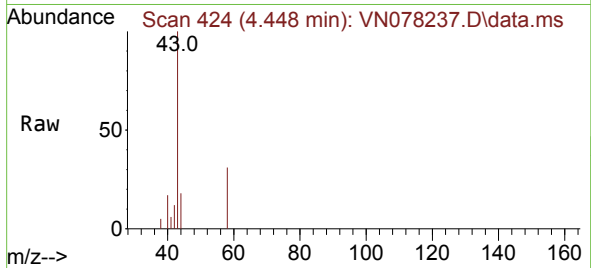




#16
Acetone
Concen: 6.660 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

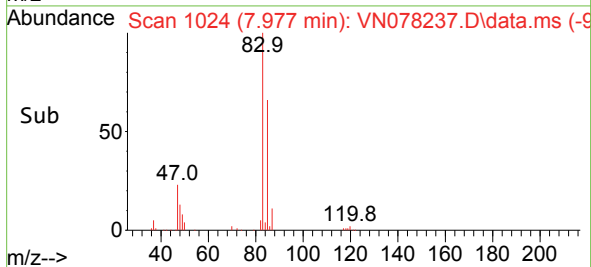
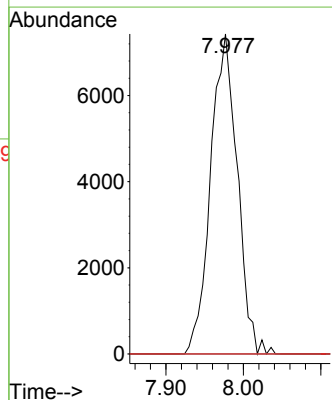
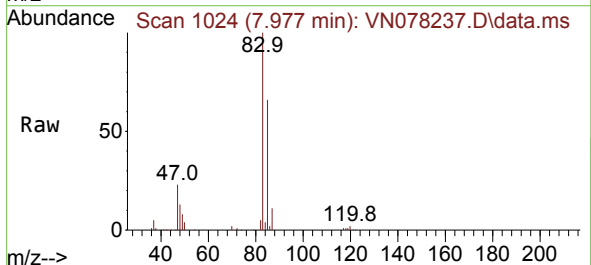
Instrument :
MSVOA_N
ClientSampleId :
FSND-EQB-2-06132023

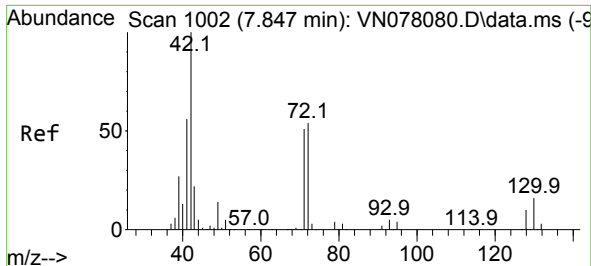
Tgt Ion: 43 Resp: 10760
Ion Ratio Lower Upper
43 100
58 30.7 28.0 42.0



#28
Bromochloromethane
Concen: 4.452 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.159 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Tgt Ion: 49 Resp: 17798
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#





#29

Tetrahydrofuran

Concen: 13.248 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VN078237.D

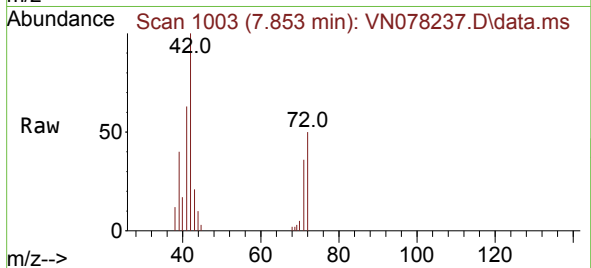
Acq: 15 Jun 2023 18:45

Instrument :

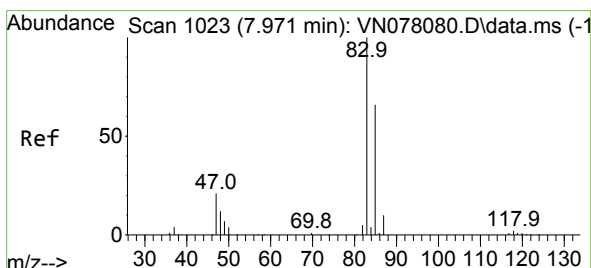
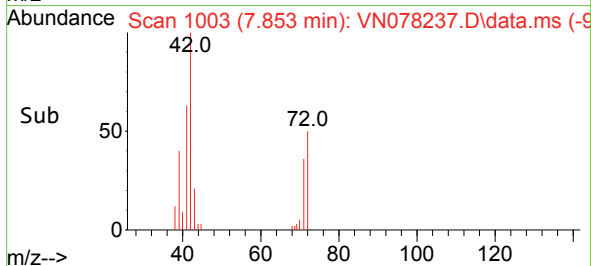
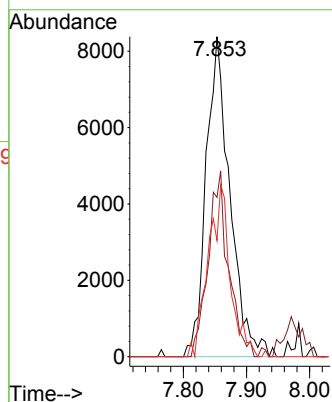
MSVOA_N

ClientSampleId :

FSND-EQB-2-06132023



Tgt Ion: 42	Resp: 22004
Ion Ratio	Lower Upper
42	100
72	49.3 49.8 74.6#
71	49.5 47.4 71.2



#30

Chloroform

Concen: 25.069 ug/l

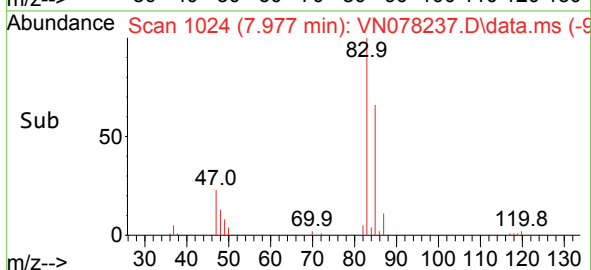
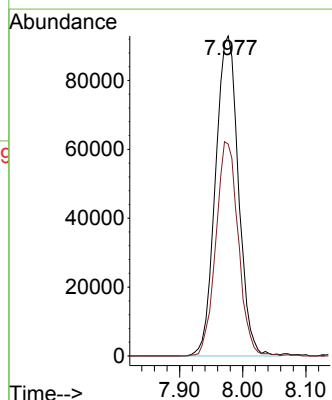
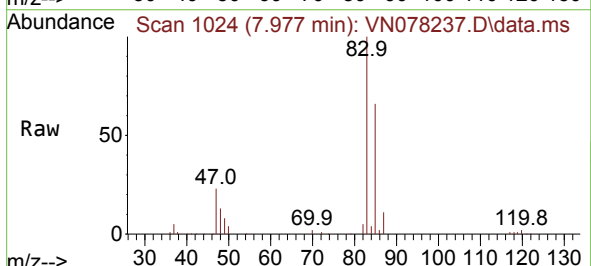
RT: 7.977 min Scan# 1024

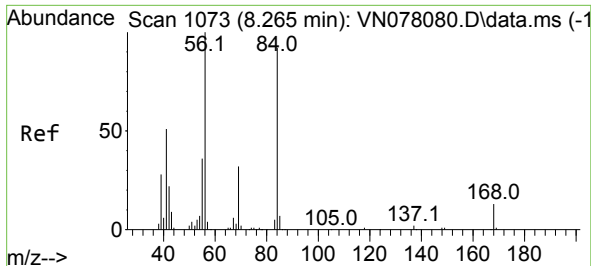
Delta R.T. 0.006 min

Lab File: VN078237.D

Acq: 15 Jun 2023 18:45

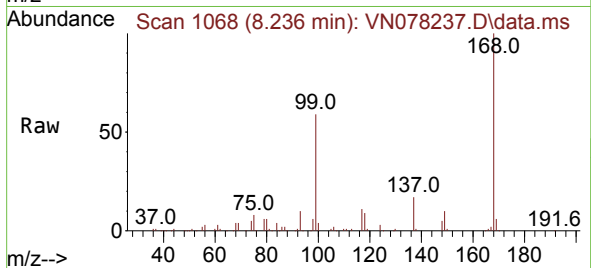
Tgt Ion: 83	Resp: 235071
Ion Ratio	Lower Upper
83	100
85	66.2 55.4 83.0



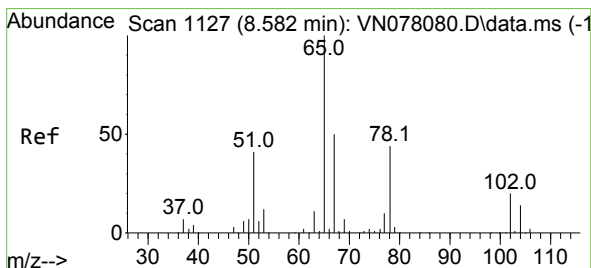
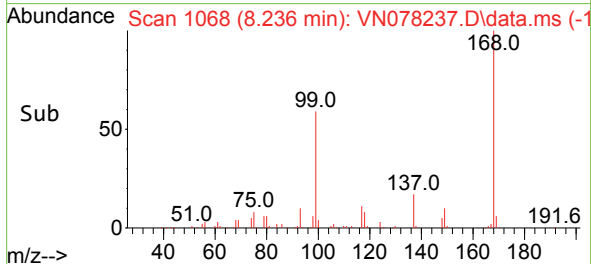
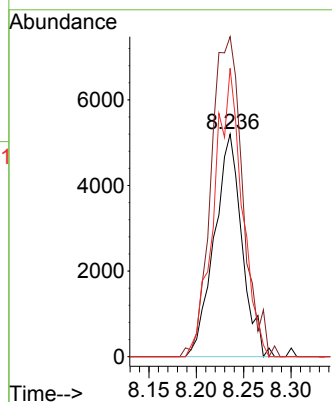


#31
Cyclohexane
Concen: 1.466 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
FSND-EQB-2-06132023

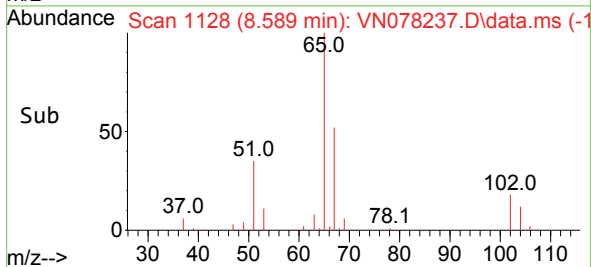
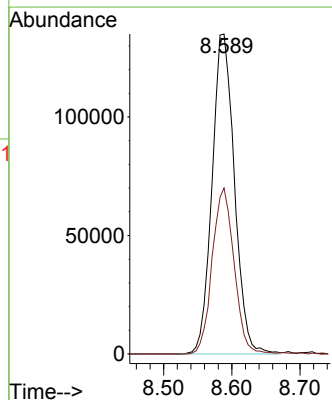
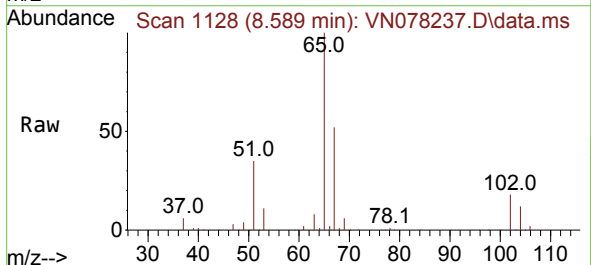


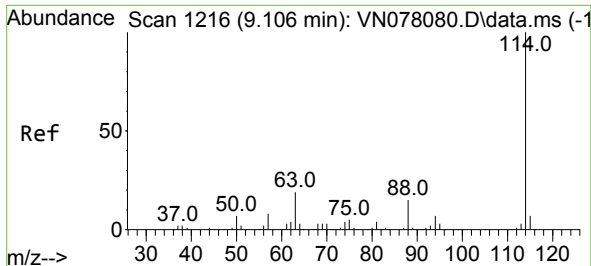
Tgt Ion: 56 Resp: 10554
Ion Ratio Lower Upper
56 100
69 143.8 26.8 40.2#
84 129.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 54.983 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Tgt Ion: 65 Resp: 308624
Ion Ratio Lower Upper
65 100
67 50.7 0.0 106.6

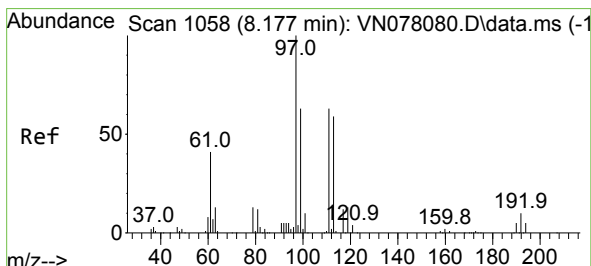
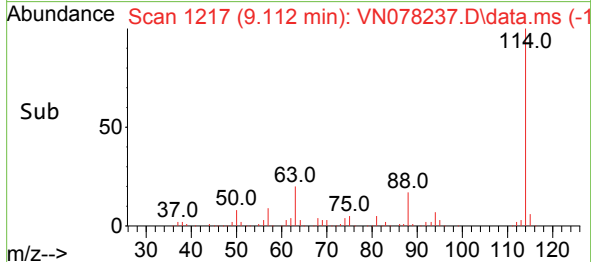
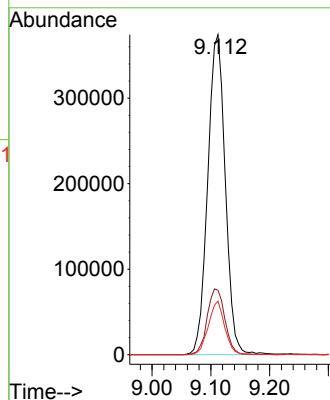
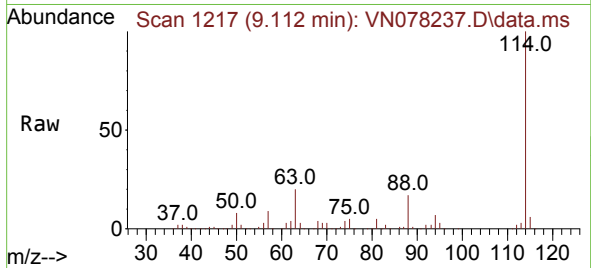




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

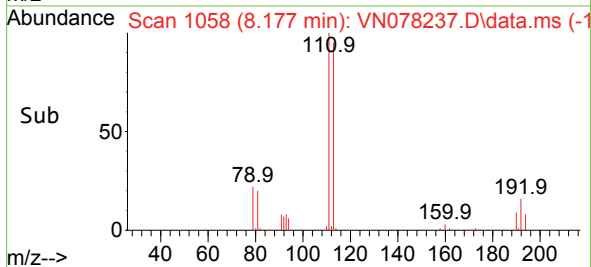
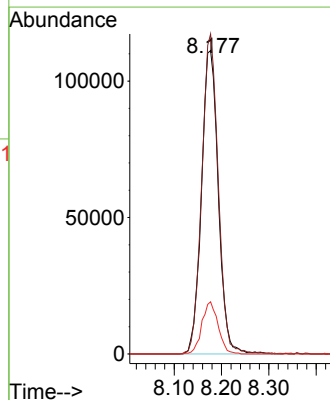
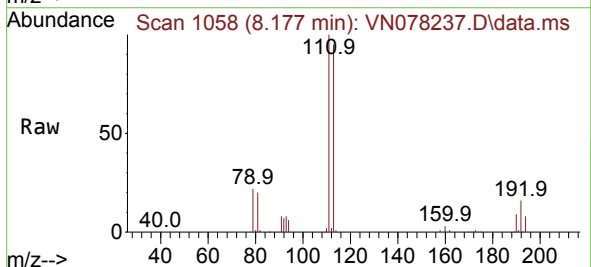
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Tgt Ion:114 Resp: 776197
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.4
88 16.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.011 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Tgt Ion:113 Resp: 274891
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 16.5 12.7 19.1

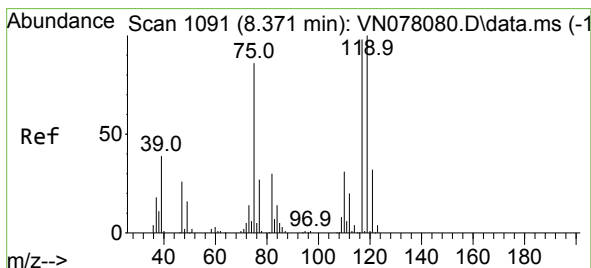
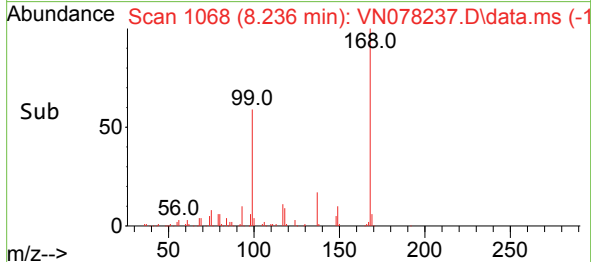
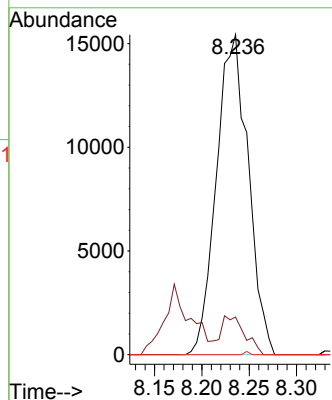
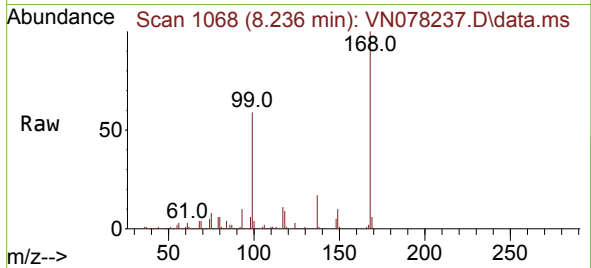




#36
1,1-Dichloropropene
Concen: 5.108 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

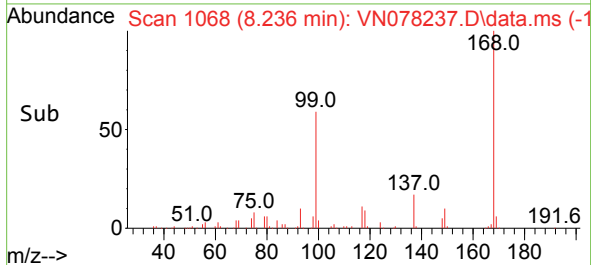
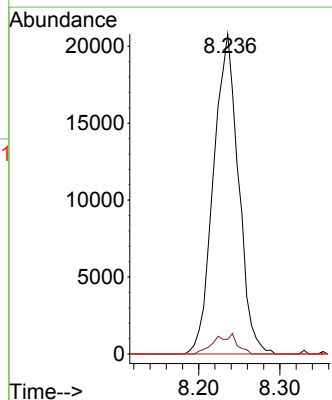
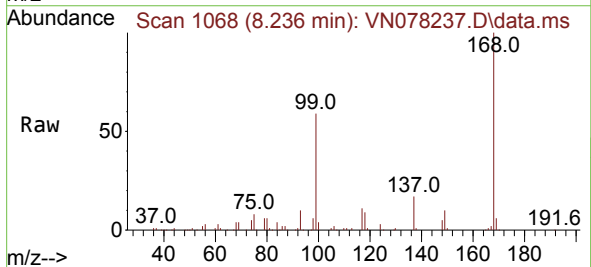
Instrument :
MSVOA_N
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FSND-EQB-2-06132023

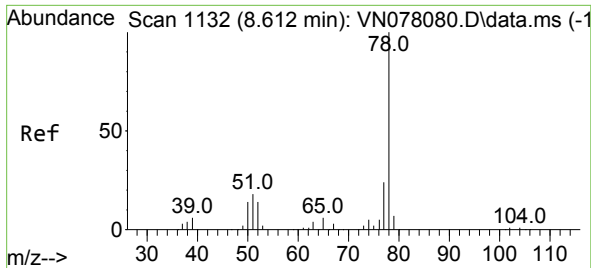
Tgt Ion: 75 Resp: 35960
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.972 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Tgt Ion: 117 Resp: 44392
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#

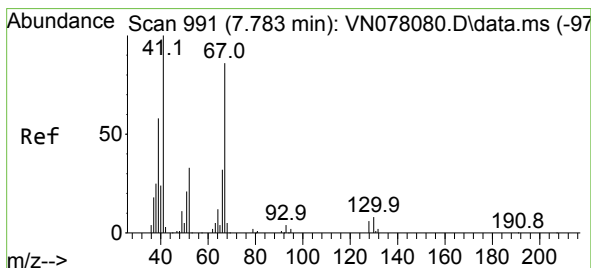
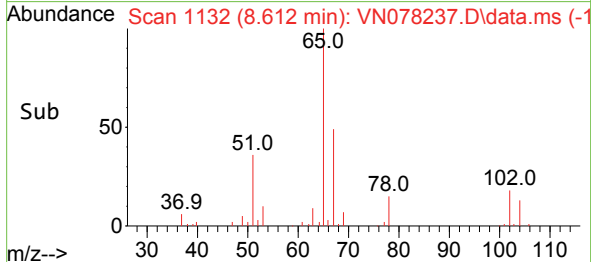
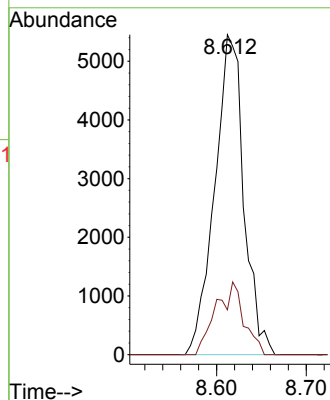
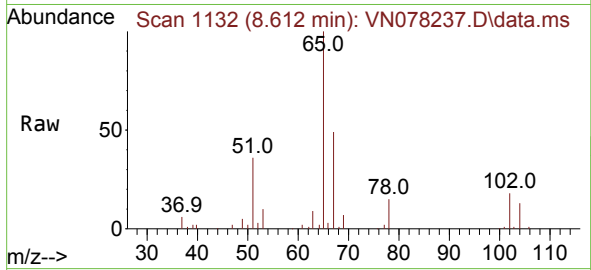




#40
Benzene
Concen: 0.585 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

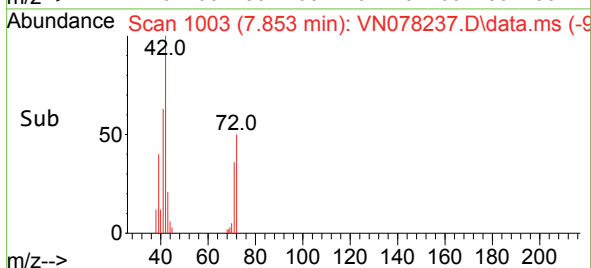
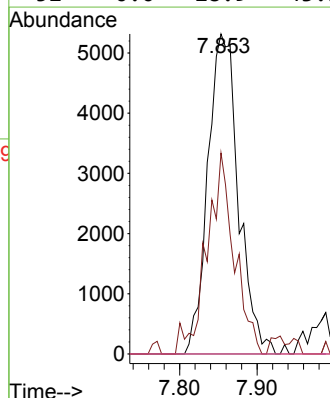
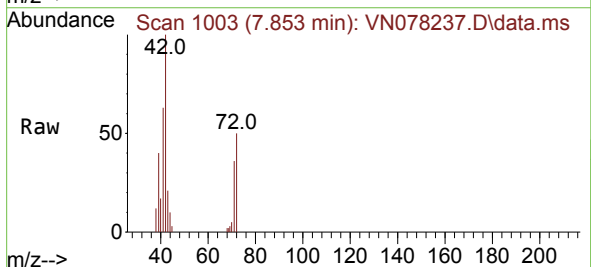
Instrument :
MSVOA_N
ClientSampleId :
FSND-EQB-2-06132023

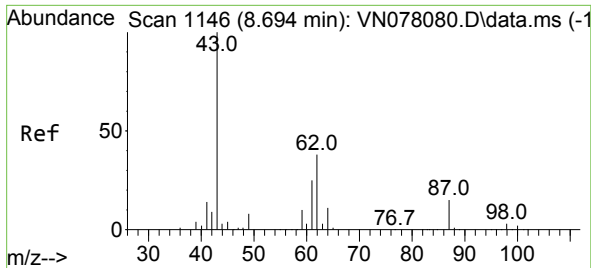
Tgt Ion: 78 Resp: 12290
Ion Ratio Lower Upper
78 100
77 14.0 19.0 28.6#



#41
Methacrylonitrile
Concen: 4.899 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.071 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Tgt Ion: 41 Resp: 14604
Ion Ratio Lower Upper
41 100
39 56.3 42.6 64.0
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#

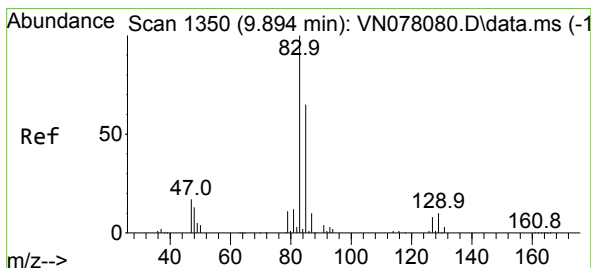
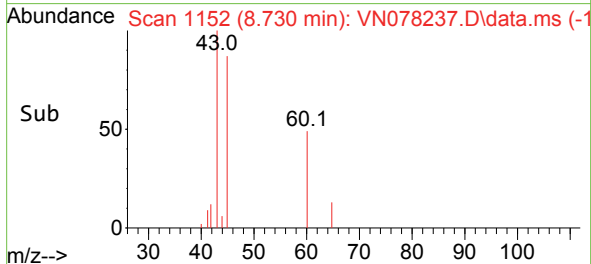
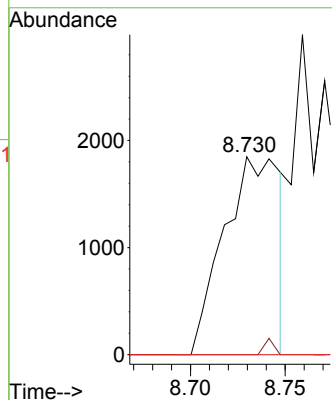
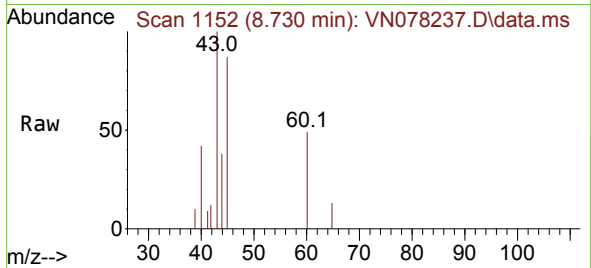




#43
Isopropyl Acetate
Concen: 0.362 ug/l
RT: 8.730 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

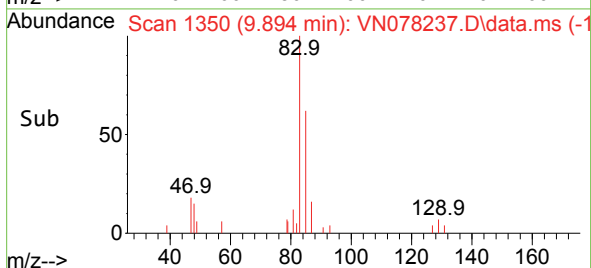
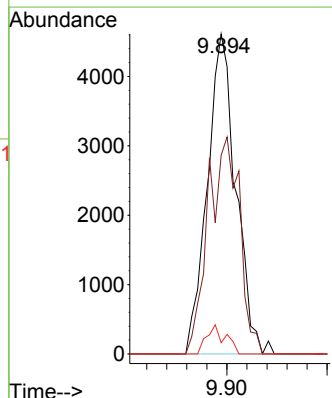
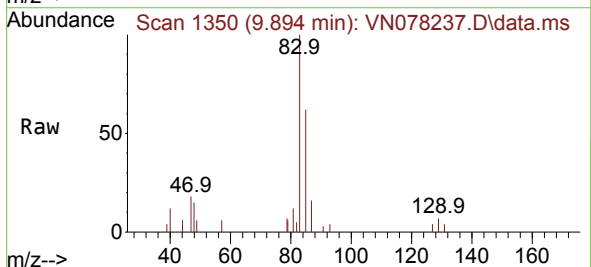
Instrument :
MSVOA_N
ClientSampleId :
FSND-EQB-2-06132023

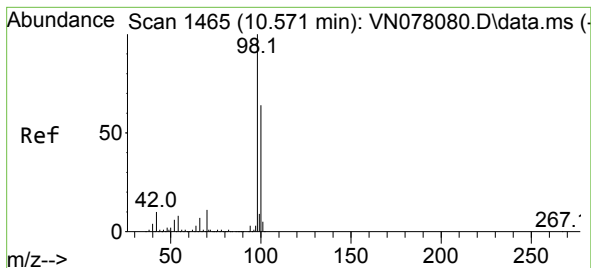
Tgt Ion: 43 Resp: 3806
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#47
Bromodichloromethane
Concen: 1.275 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Tgt Ion: 83 Resp: 9125
Ion Ratio Lower Upper
83 100
85 62.1 49.6 74.4
127 3.5 7.0 10.6#





#50

Toluene-d8

Concen: 48.463 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078237.D

Acq: 15 Jun 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

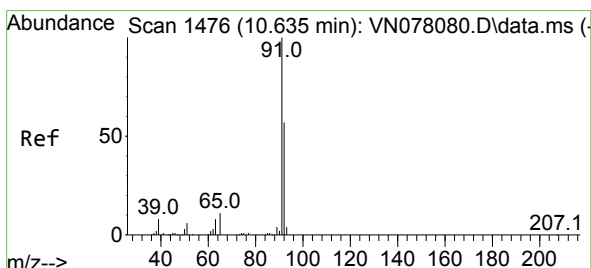
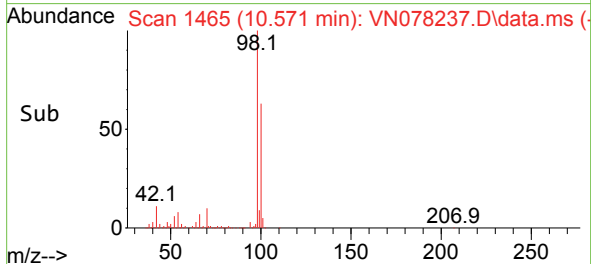
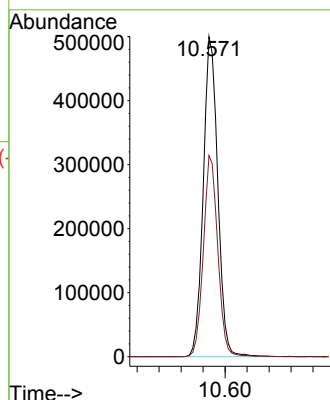
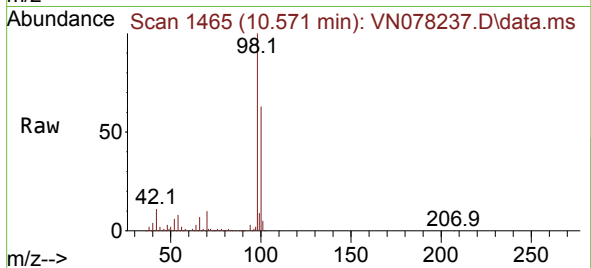
FSND-EQB-2-06132023

Tgt Ion: 98 Resp: 916929

Ion Ratio Lower Upper

98 100

100 62.3 52.0 78.0



#52

Toluene

Concen: 0.286 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078237.D

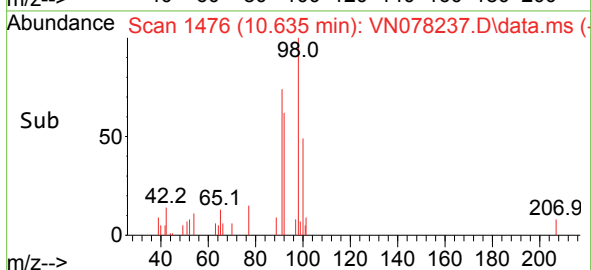
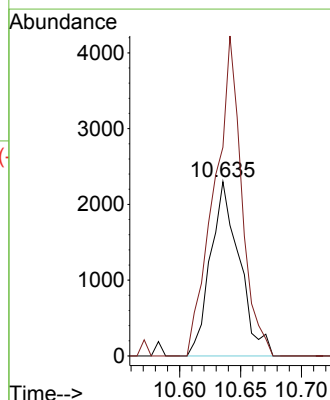
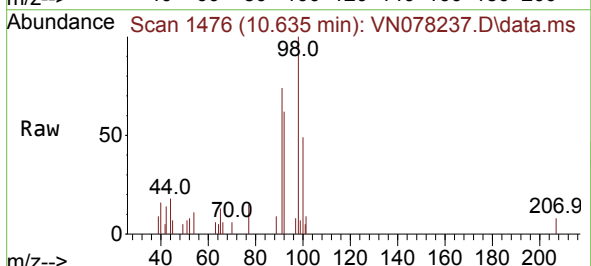
Acq: 15 Jun 2023 18:45

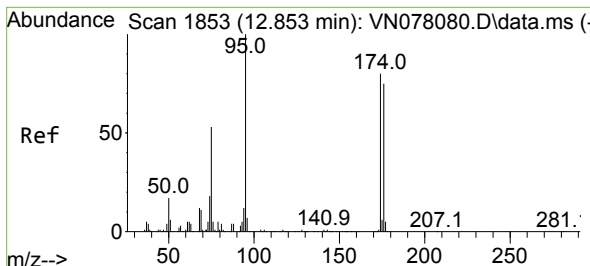
Tgt Ion: 92 Resp: 3797

Ion Ratio Lower Upper

92 100

91 173.9 137.4 206.0

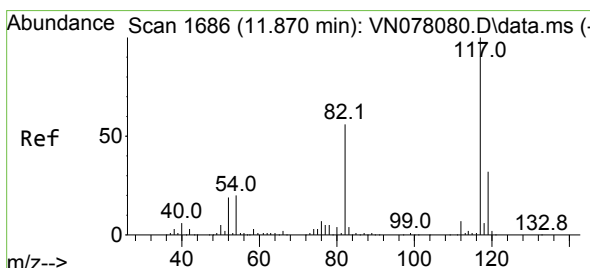
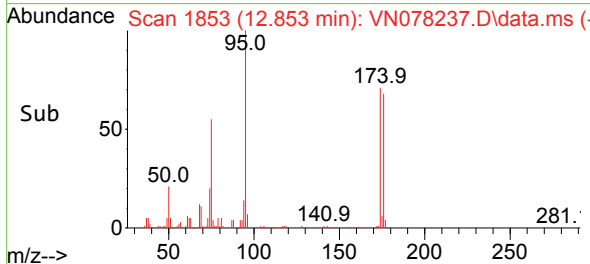
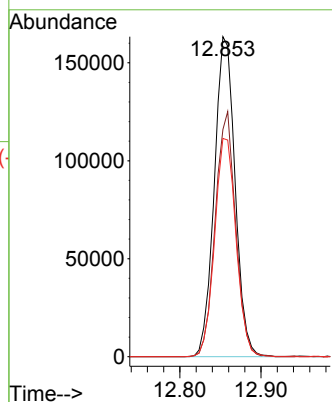
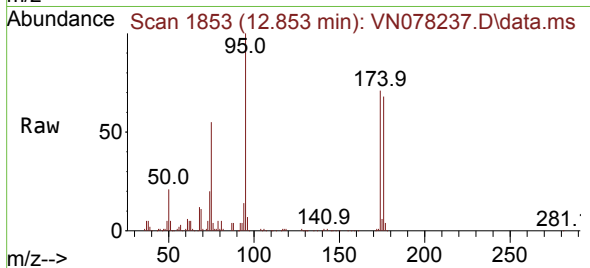




#62
4-Bromofluorobenzene
Concen: 49.403 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

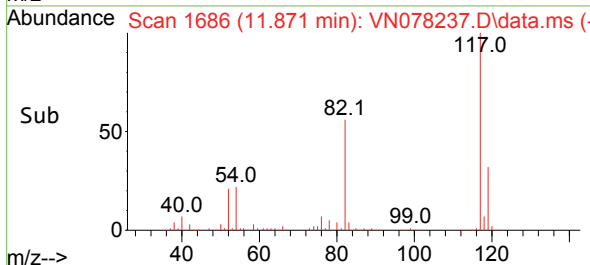
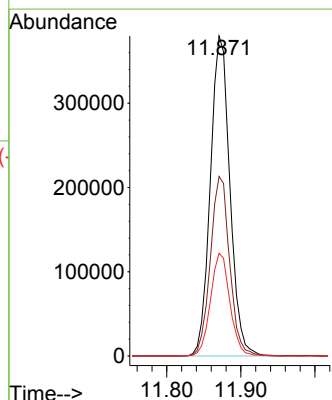
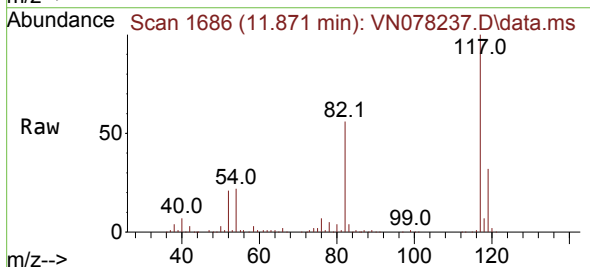
Instrument :
MSVOA_N
ClientSampleId :
FSND-EQB-2-06132023

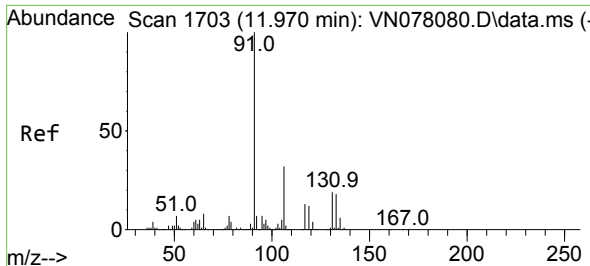
Tgt Ion: 95 Resp: 290580
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 70.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Tgt Ion: 117 Resp: 695553
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 32.1 25.6 38.4

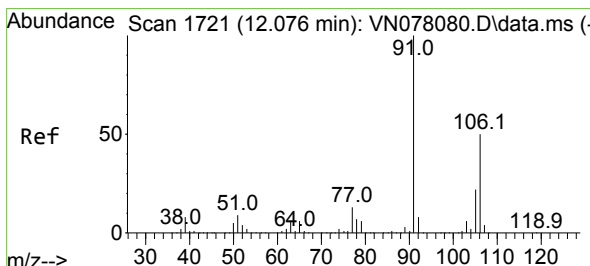
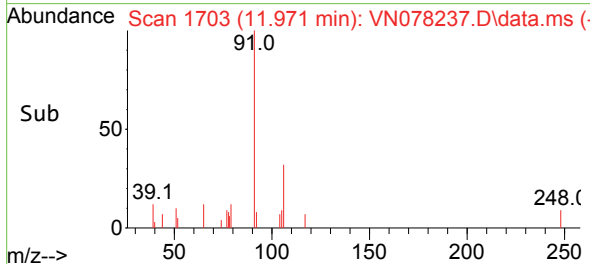
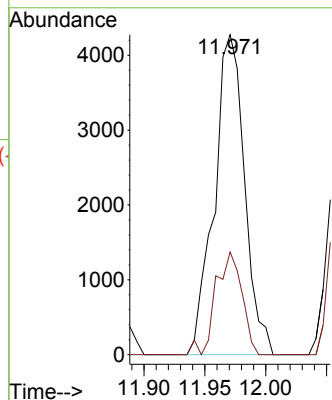
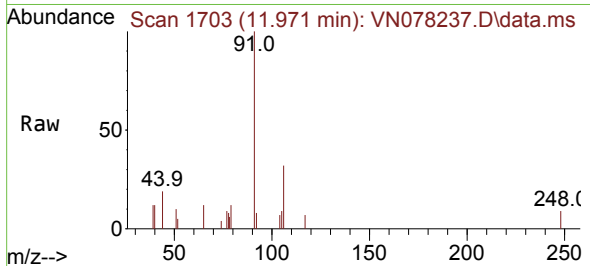




#67
Ethyl Benzene
Concen: 0.288 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

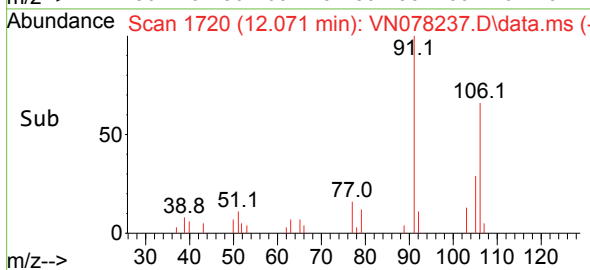
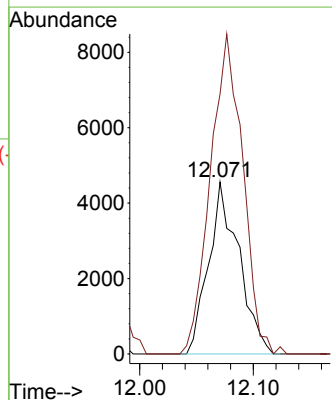
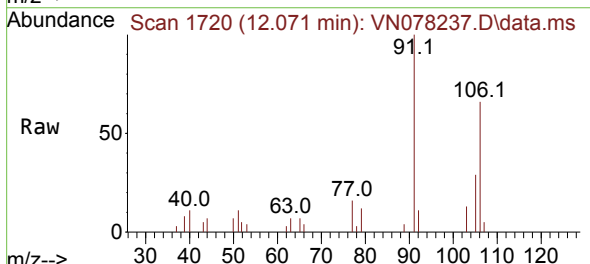
Instrument :
MSVOA_N
ClientSampleId :
FSND-EQB-2-06132023

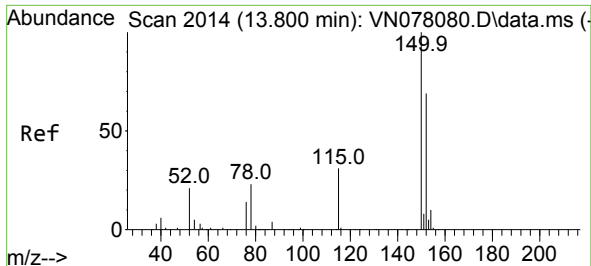
Tgt Ion: 91 Resp: 7398
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4



#68
m/p-Xylenes
Concen: 0.863 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN078237.D
Acq: 15 Jun 2023 18:45

Tgt Ion: 106 Resp: 8450
Ion Ratio Lower Upper
106 100
91 199.6 159.6 239.4

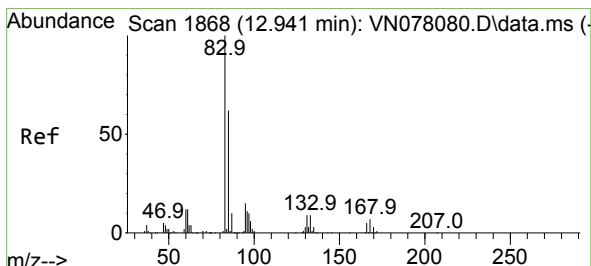
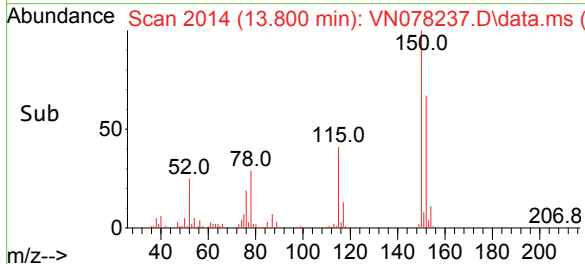
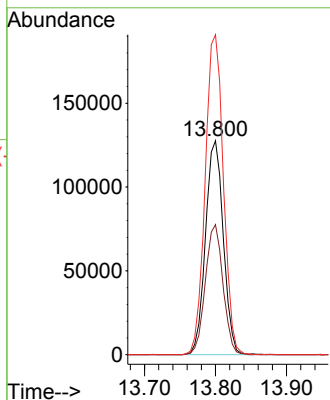
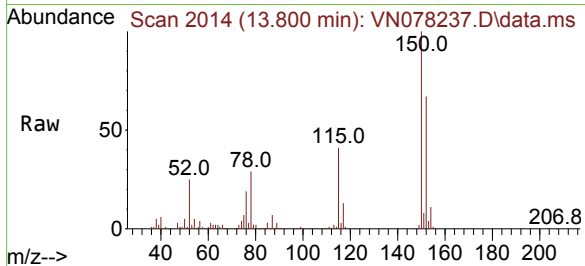




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: VN078237.D
 Acq: 15 Jun 2023 18:45

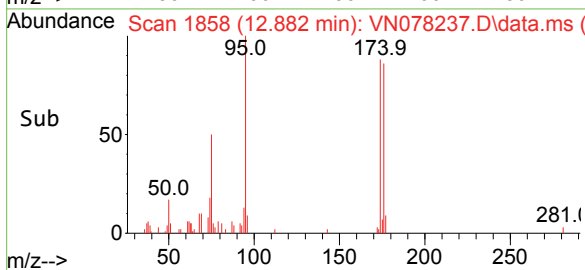
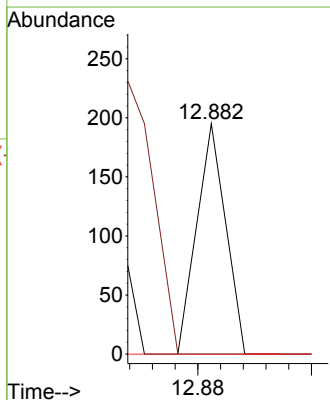
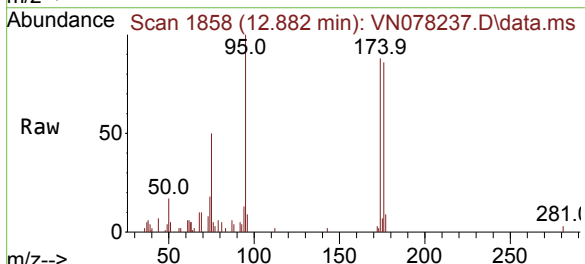
Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-EQB-2-06132023

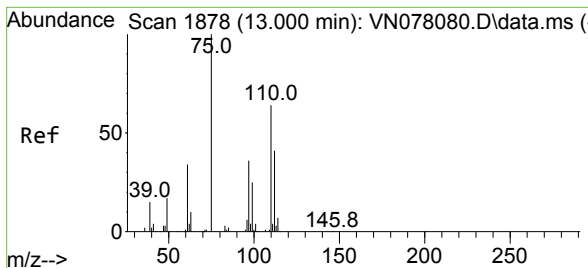
Tgt Ion:152 Resp: 222469
 Ion Ratio Lower Upper
 152 100
 115 60.3 32.3 96.8
 150 152.7 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.882 min Scan# 1858
 Delta R.T. -0.059 min
 Lab File: VN078237.D
 Acq: 15 Jun 2023 18:45

Tgt Ion: 83 Resp: 69
 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: 29.927 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078237.D

Acq: 15 Jun 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

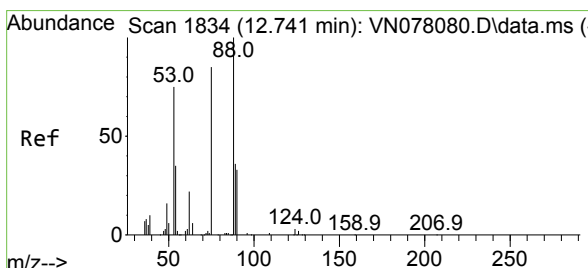
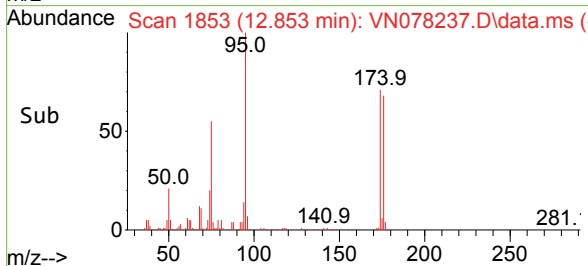
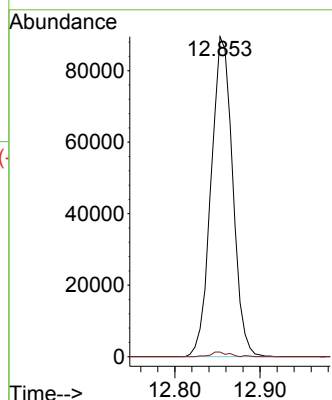
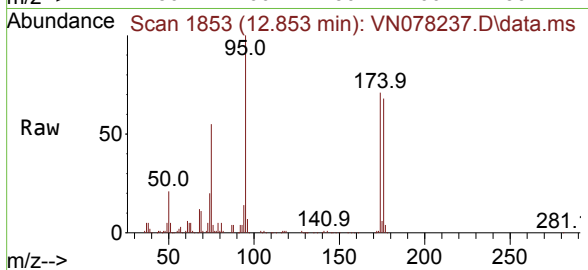
FSND-EQB-2-06132023

Tgt Ion: 75 Resp: 157392

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.944 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078237.D

Acq: 15 Jun 2023 18:45

Tgt Ion: 75 Resp: 157392

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.0 38.8 58.2#

