

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079829.D
 Acq On : 03 Nov 2023 06:44
 Operator : JC\MD
 Sample : 05222-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-16-20231101

Quant Time: Nov 03 07:46:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

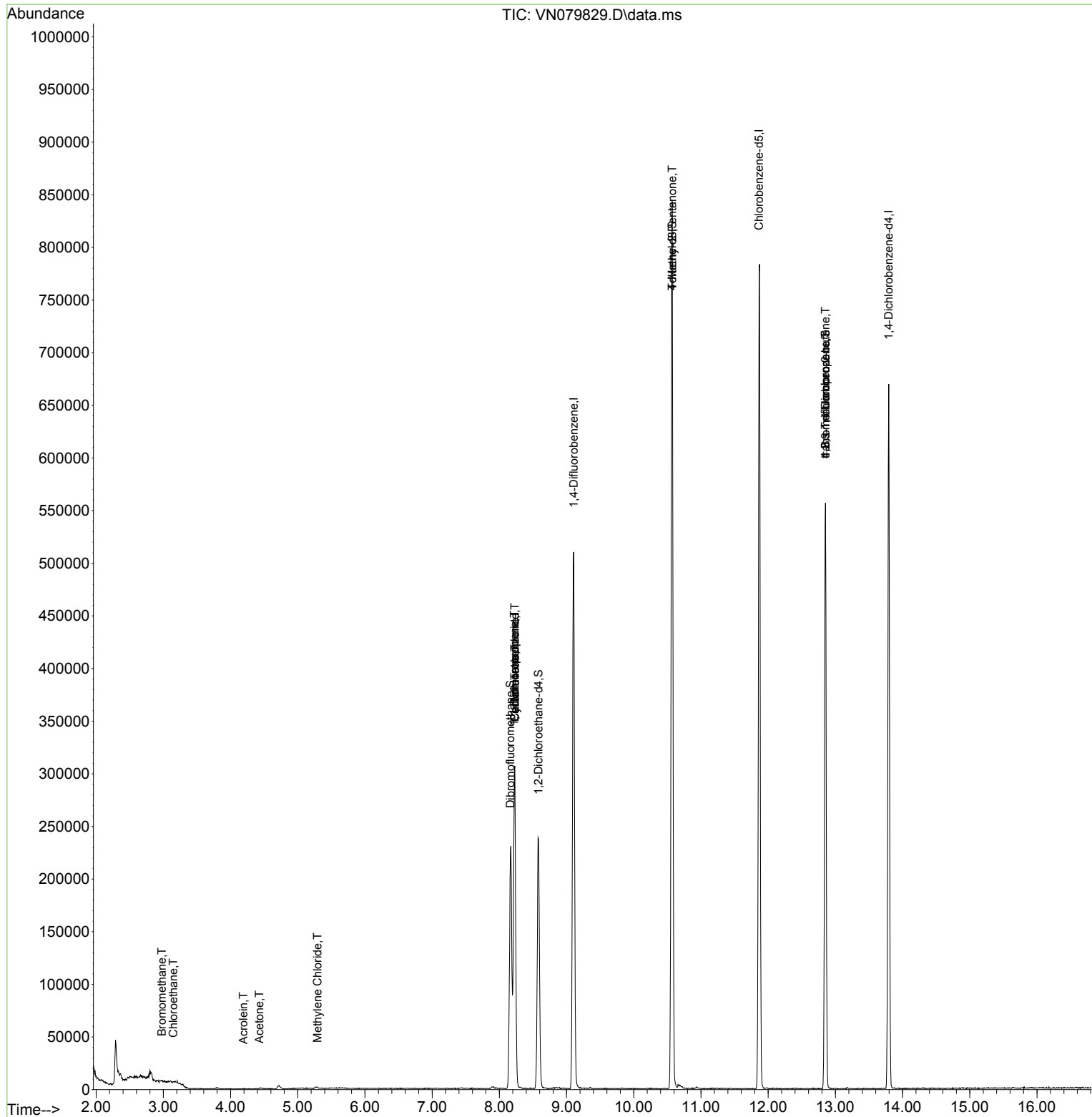
Internal Standards						
1) Pentafluorobenzene	8.230	168	212925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	431502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	443086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	169466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	195996	60.418	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.840%	
35) Dibromofluoromethane	8.165	113	165107	54.063	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.120%	
50) Toluene-d8	10.571	98	569334	50.640	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.280%	
62) 4-Bromofluorobenzene	12.853	95	186113	49.914	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1967	Below Cal	#	86
5) Bromomethane	2.977	94	777	0.381	ug/l #	61
6) Chloroethane	3.148	64	752	0.283	ug/l #	43
13) Acrolein	4.189	56	149	2.956	ug/l #	16
16) Acetone	4.430	43	723	0.634	ug/l	90
20) Methylene Chloride	5.295	84	923	0.321	ug/l #	58
31) Cyclohexane	8.230	56	5868	1.369	ug/l #	26
36) 1,1-Dichloropropene	8.224	75	20760	4.761	ug/l #	47
38) Carbon Tetrachloride	8.230	117	22777	5.183	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	2876	0.728	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	102922	25.869	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102922	70.384	ug/l #	15

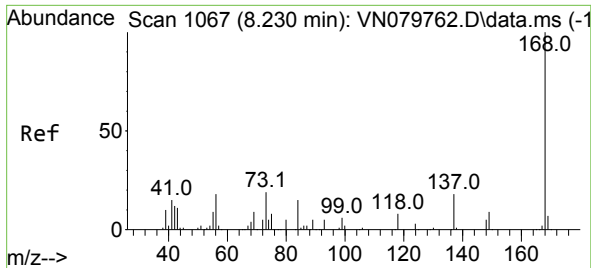
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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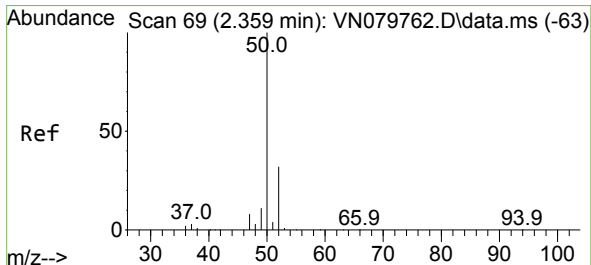
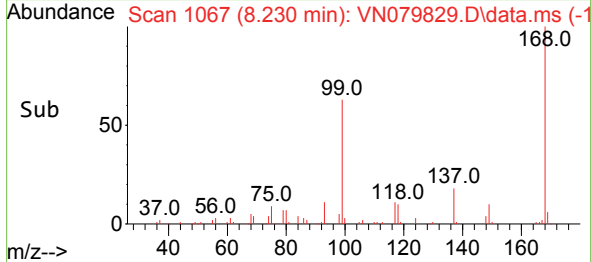
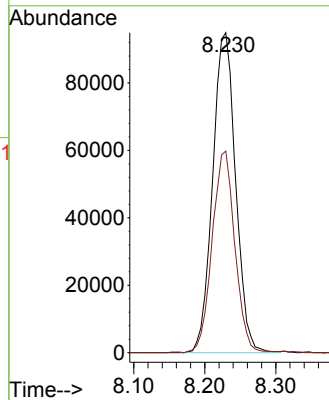
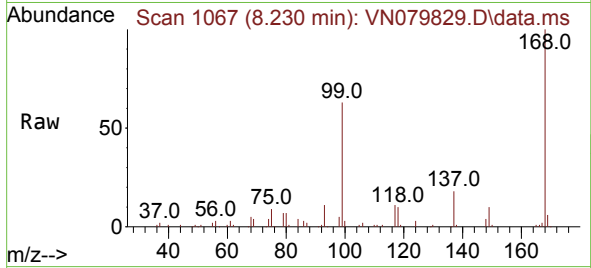




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

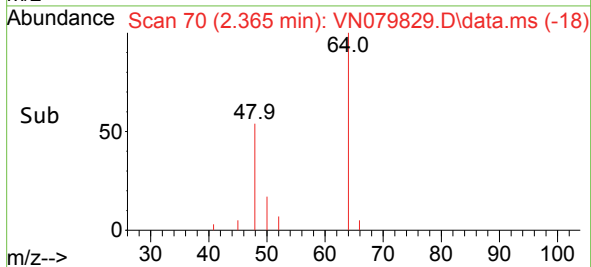
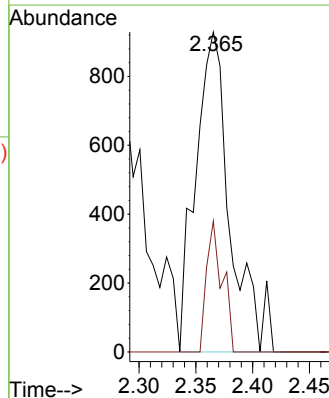
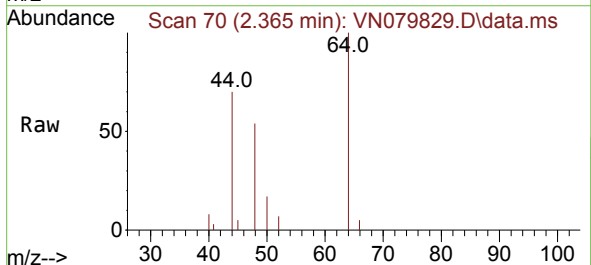
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-16-20231101

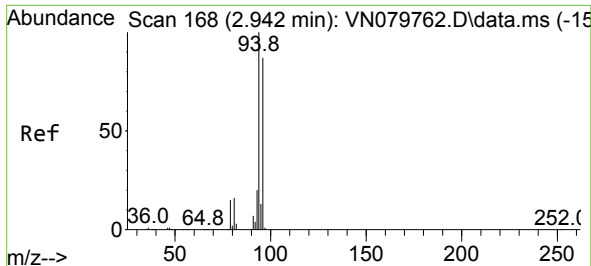
Tgt Ion:168 Resp: 212925
Ion Ratio Lower Upper
168 100
99 62.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

Tgt Ion: 50 Resp: 1967
Ion Ratio Lower Upper
50 100
52 40.9 26.5 39.7#

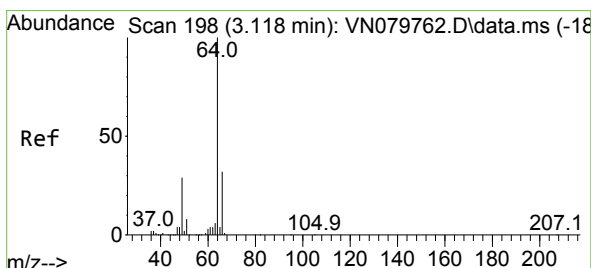
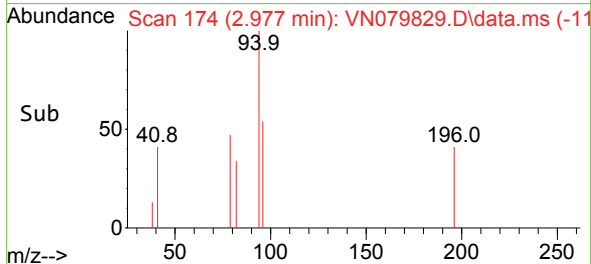
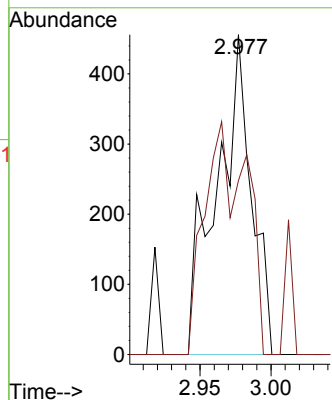
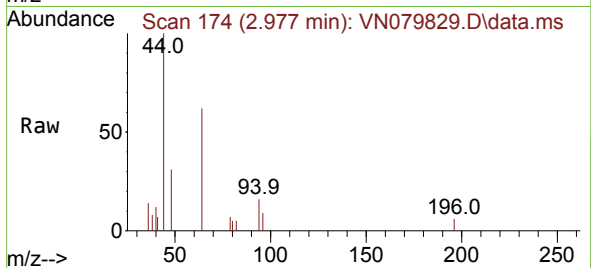




#5
Bromomethane
Concen: 0.381 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

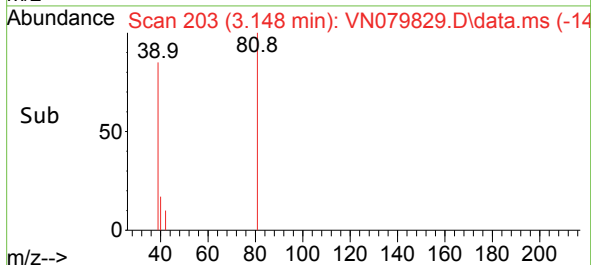
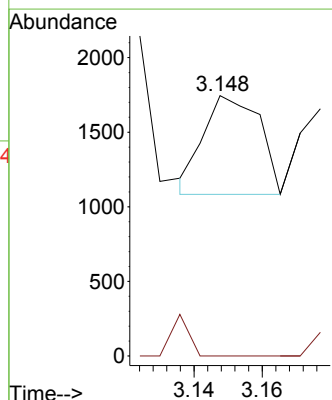
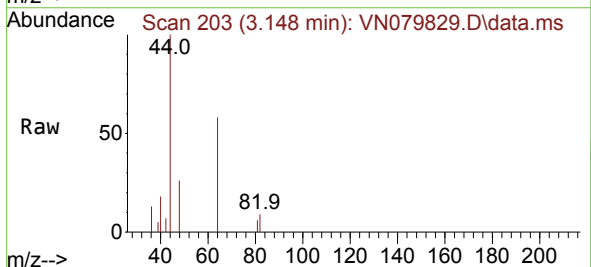
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-16-20231101

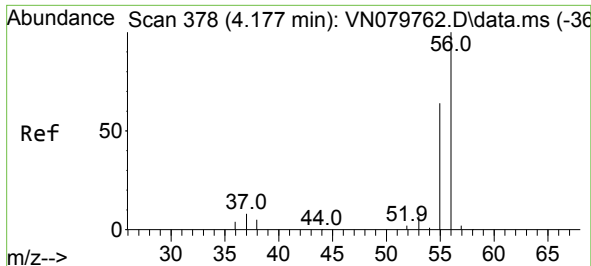
Tgt Ion: 94 Resp: 777
Ion Ratio Lower Upper
94 100
96 54.4 73.1 109.7#



#6
Chloroethane
Concen: 0.283 ug/l
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

Tgt Ion: 64 Resp: 752
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

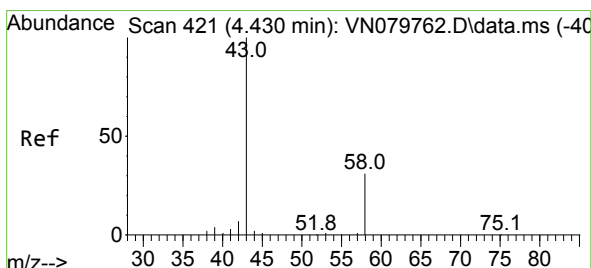
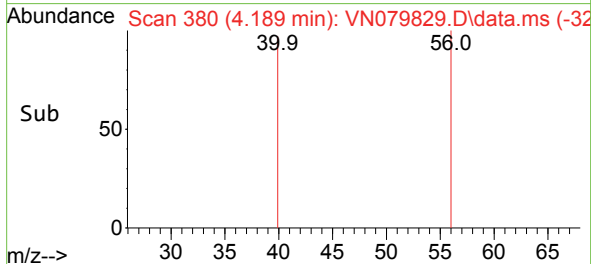
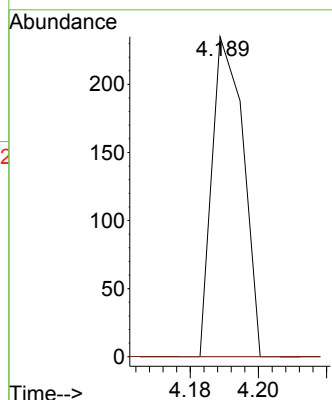
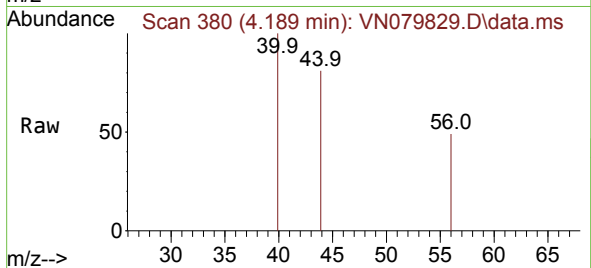




#13
Acrolein
Concen: 2.956 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

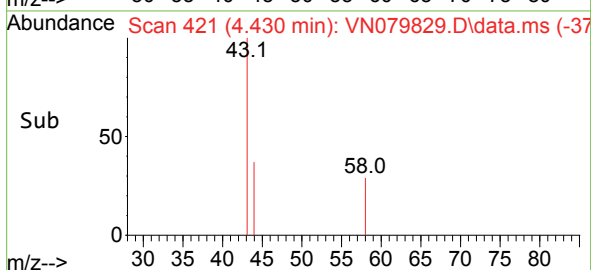
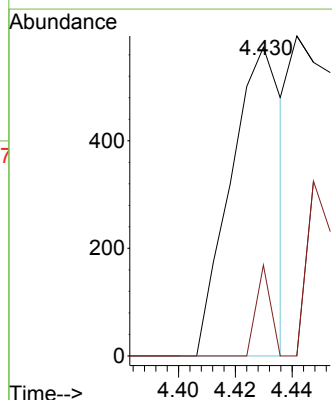
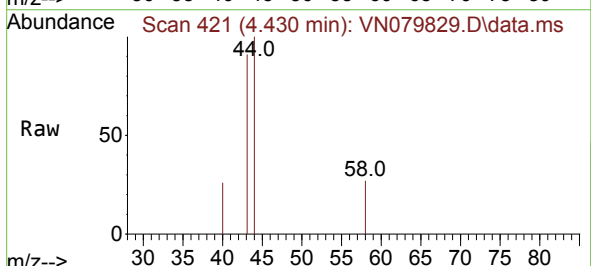
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-16-20231101

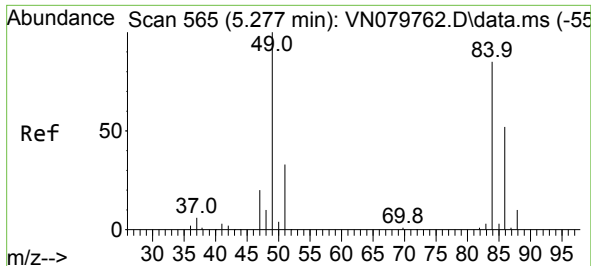
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 0.634 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

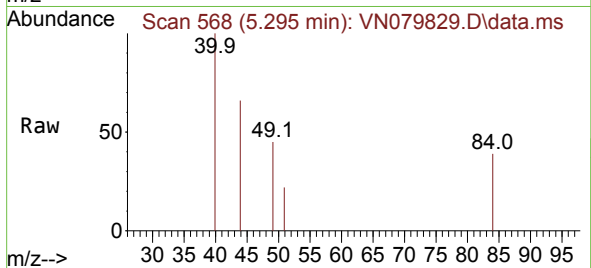
Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 29.4 28.0 42.0



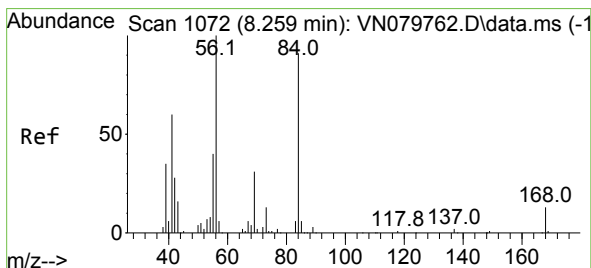
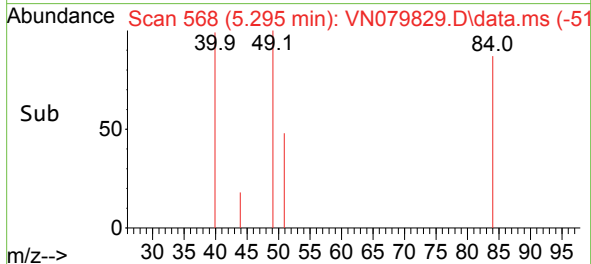
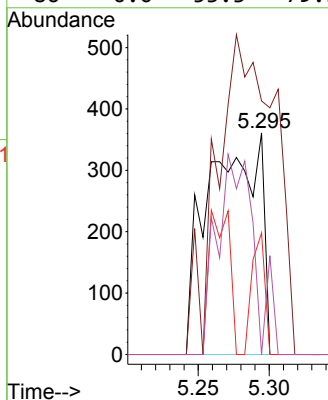


#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-16-20231101

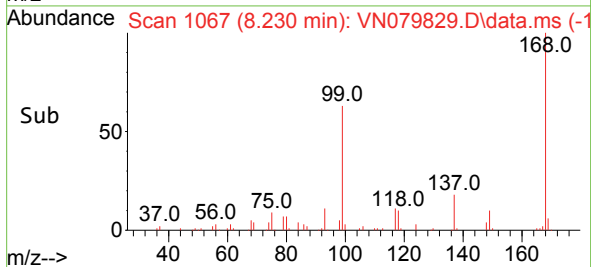
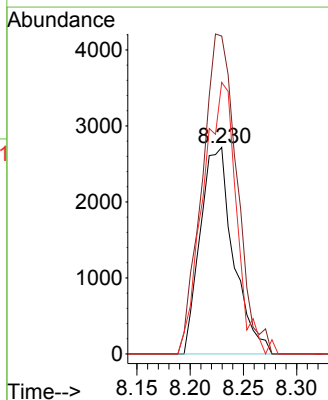
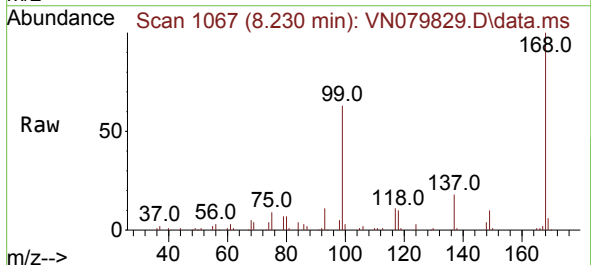


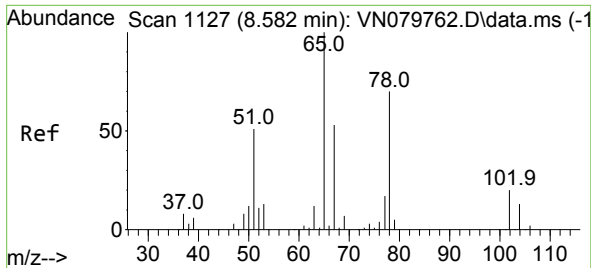
Tgt Ion:	84	Resp:	923
Ion	Ratio	Lower	Upper
84	100		
49	114.4	79.7	119.5
51	54.8	25.2	37.8#
86	0.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.369 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

Tgt Ion:	56	Resp:	5868
Ion	Ratio	Lower	Upper
56	100		
69	153.9	26.8	40.2#
84	131.5	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 60.418 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079829.D

Acq: 03 Nov 2023 06:44

Instrument :

MSVOA_N

ClientSampleId :

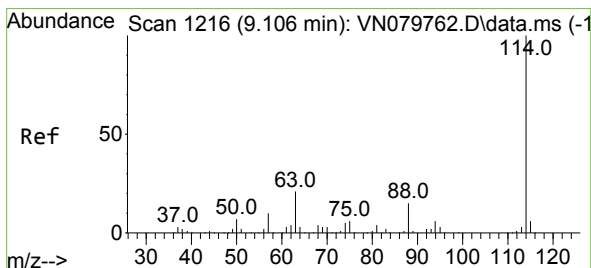
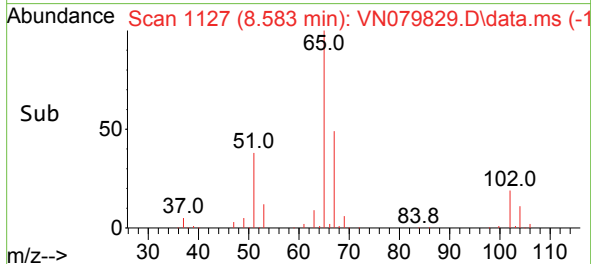
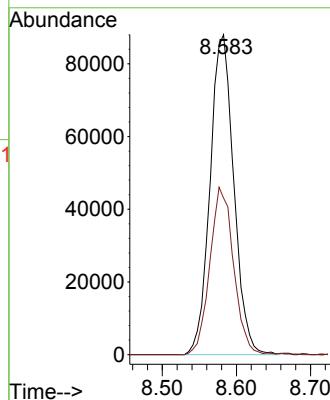
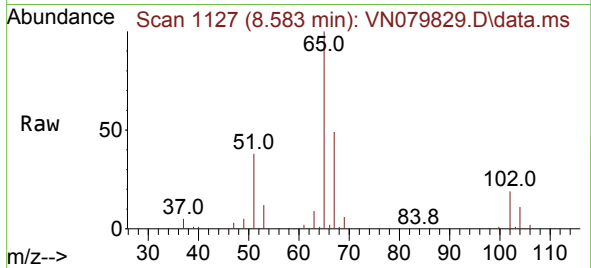
FSND-MW-16-20231101

Tgt Ion: 65 Resp: 195996

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079829.D

Acq: 03 Nov 2023 06:44

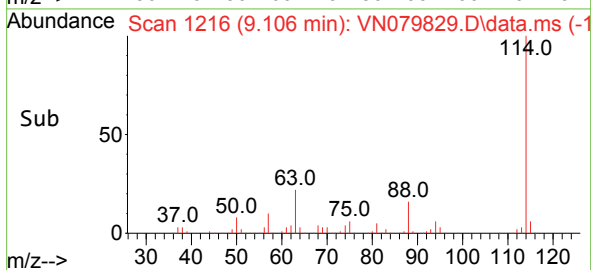
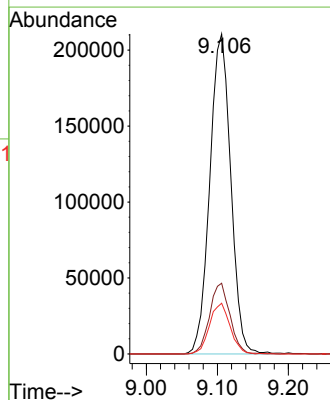
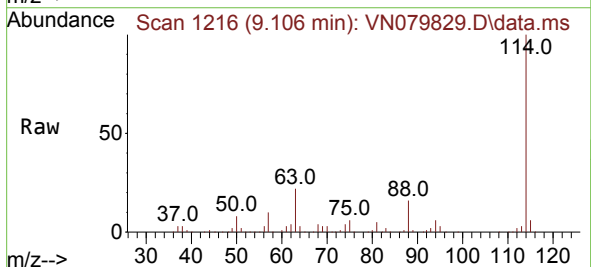
Tgt Ion: 114 Resp: 431502

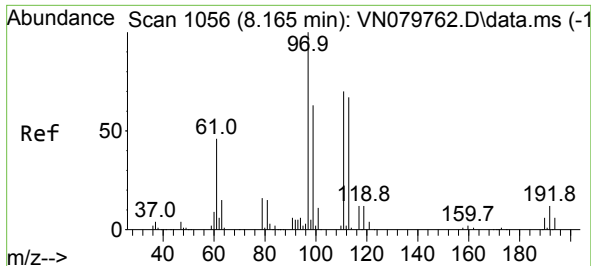
Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.8 0.0 30.6

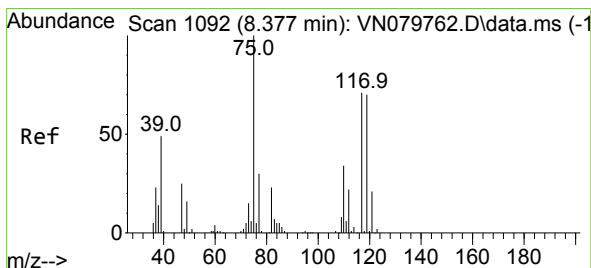
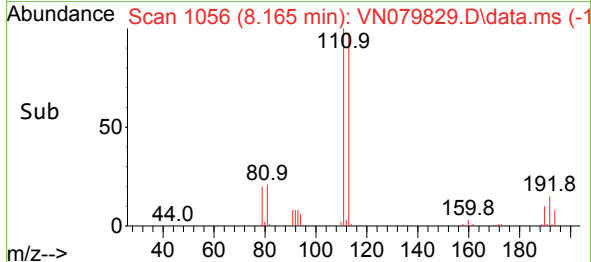
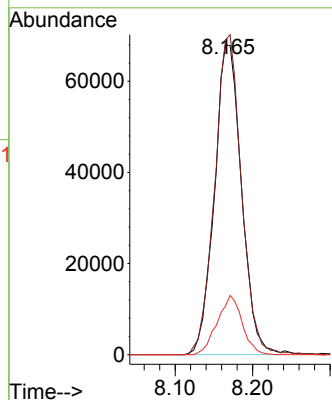
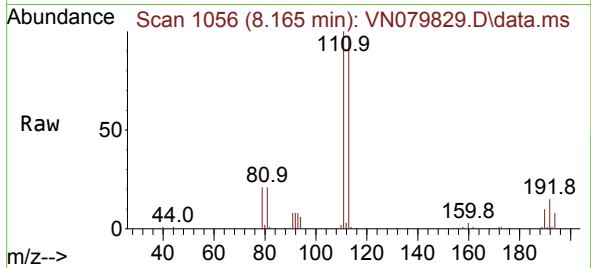




#35
Dibromofluoromethane
Concen: 54.063 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

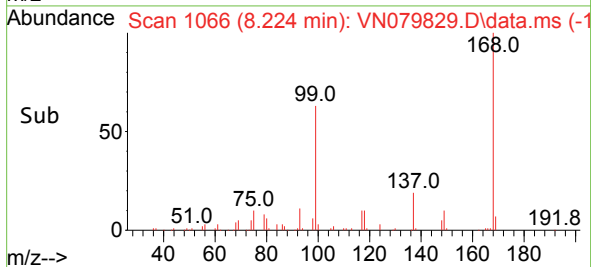
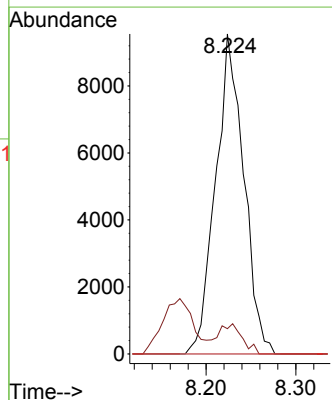
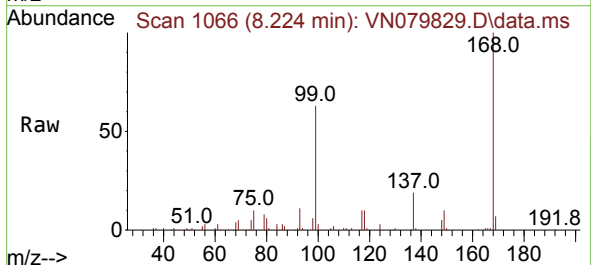
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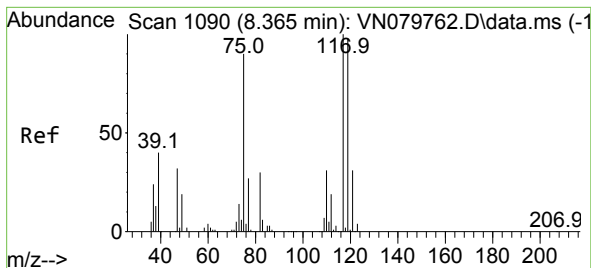
Tgt Ion:113 Resp: 165107
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 17.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

Tgt Ion: 75 Resp: 20760
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.183 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN079829.D

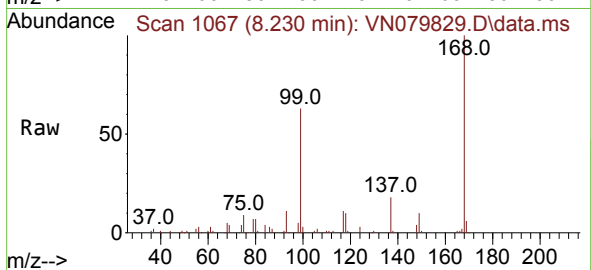
Acq: 03 Nov 2023 06:44

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-16-20231101



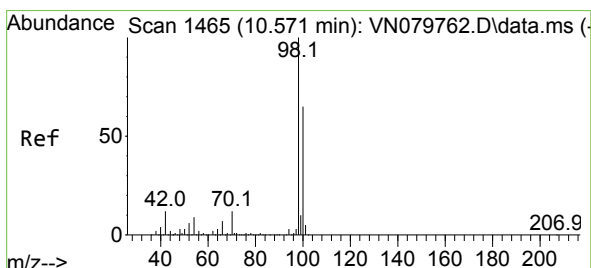
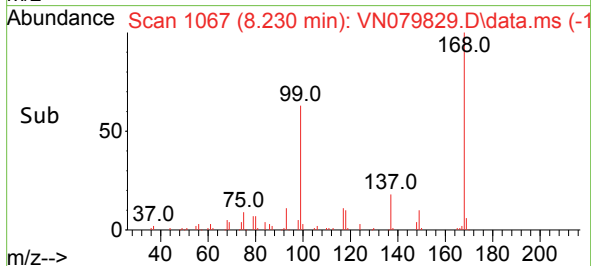
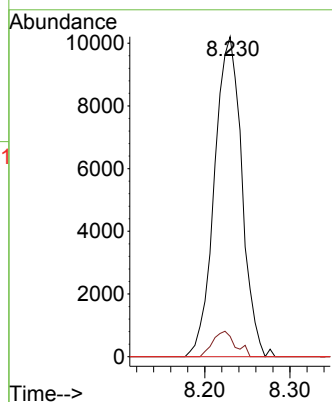
Tgt Ion:117 Resp: 22777

Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.640 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079829.D

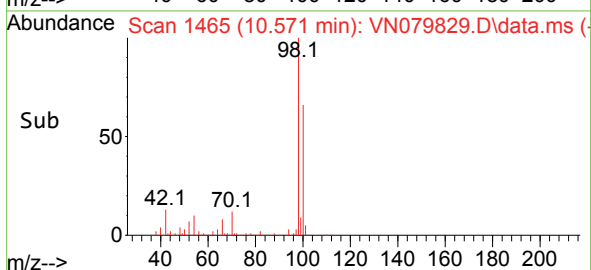
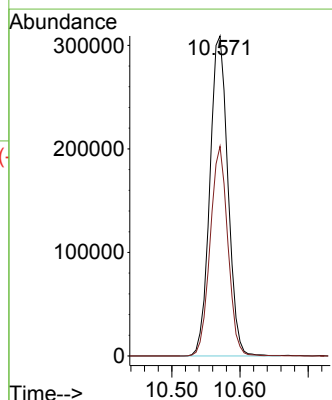
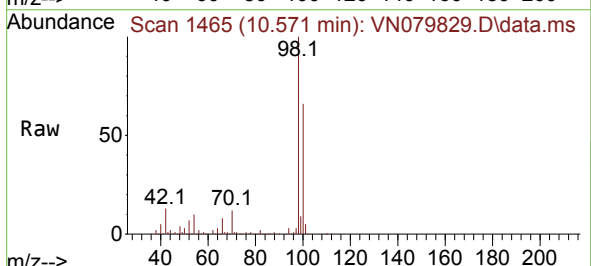
Acq: 03 Nov 2023 06:44

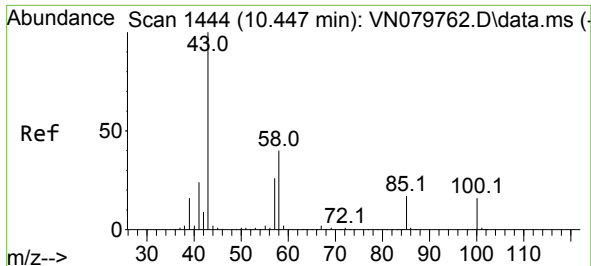
Tgt Ion: 98 Resp: 569334

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.728 ug/l

RT: 10.571 min Scan# 1444

Delta R.T. 0.124 min

Lab File: VN079829.D

Acq: 03 Nov 2023 06:44

Instrument :

MSVOA_N

ClientSampleId :

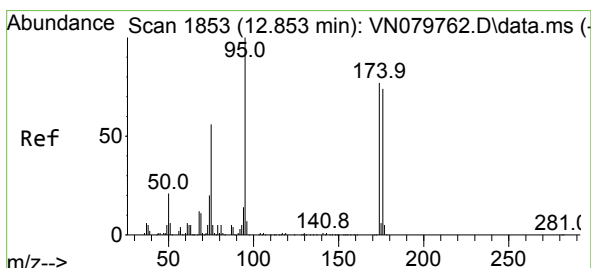
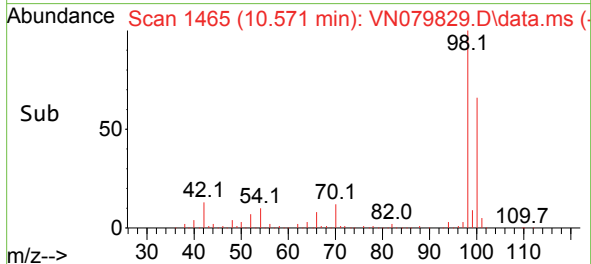
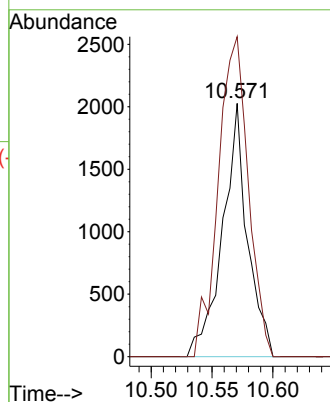
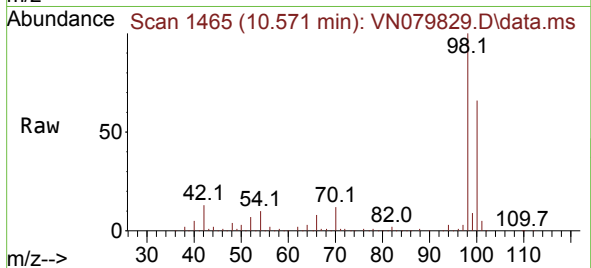
FSND-MW-16-20231101

Tgt Ion: 43 Resp: 2876

Ion Ratio Lower Upper

43 100

58 152.9 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 49.914 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079829.D

Acq: 03 Nov 2023 06:44

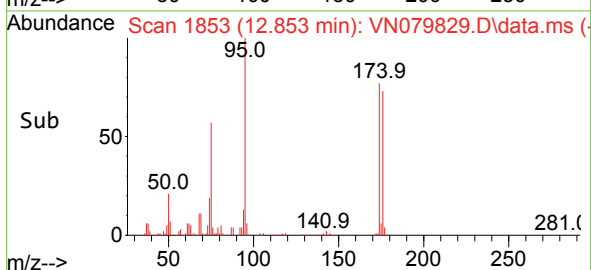
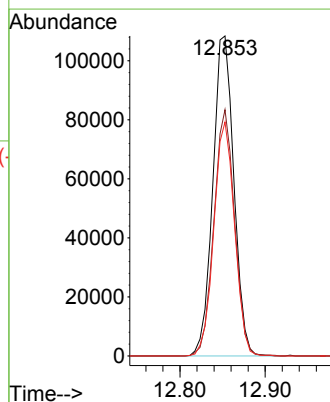
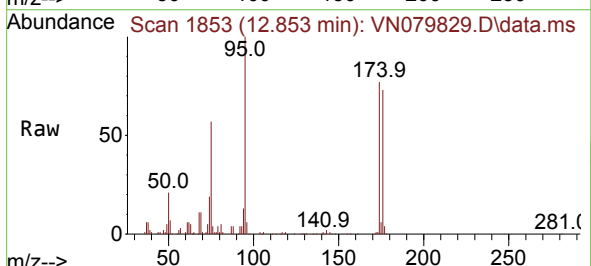
Tgt Ion: 95 Resp: 186113

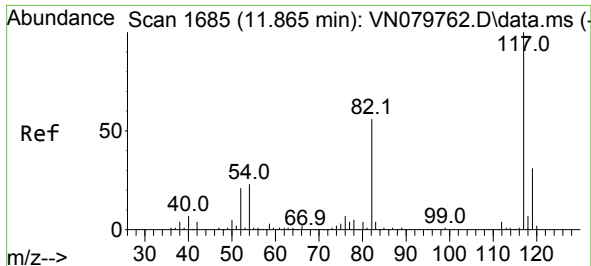
Ion Ratio Lower Upper

95 100

174 75.6 0.0 143.8

176 72.0 0.0 135.8

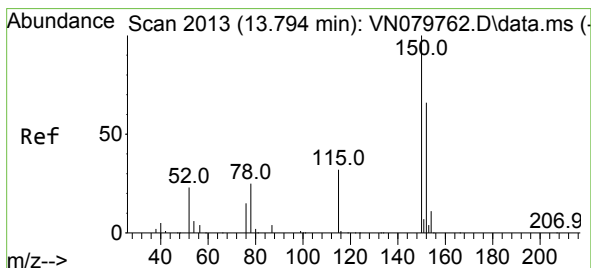
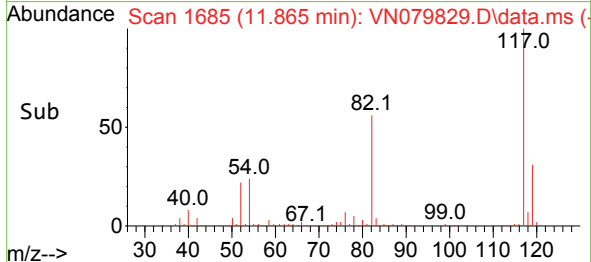
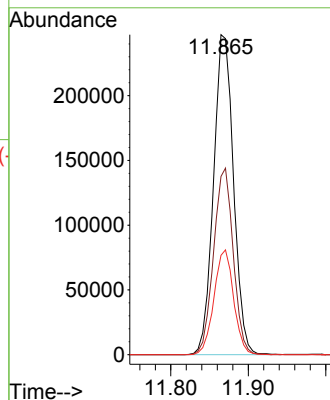
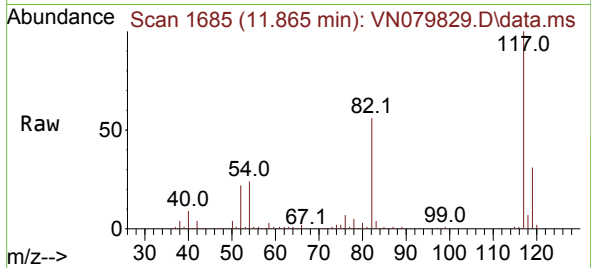




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

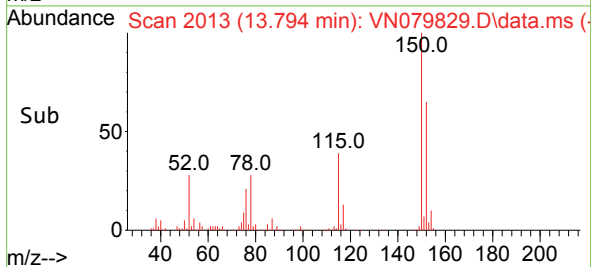
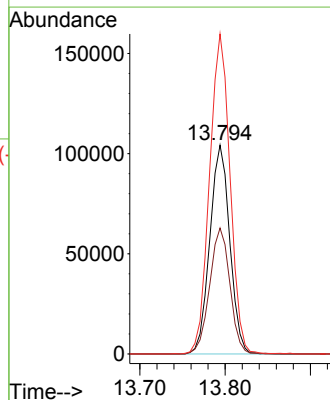
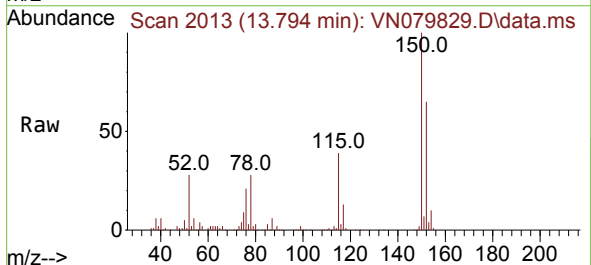
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-16-20231101

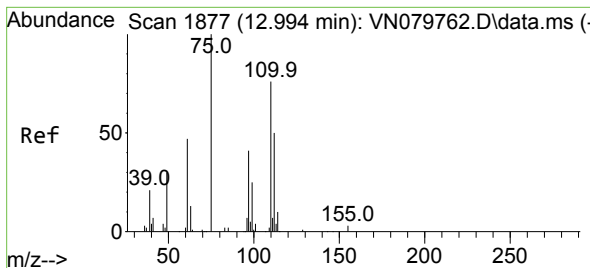
Tgt Ion:117 Resp: 443086
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 31.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079829.D
Acq: 03 Nov 2023 06:44

Tgt Ion:152 Resp: 169466
Ion Ratio Lower Upper
152 100
115 61.1 32.3 96.8
150 157.2 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.869 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079829.D

Acq: 03 Nov 2023 06:44

Instrument :

MSVOA_N

ClientSampleId :

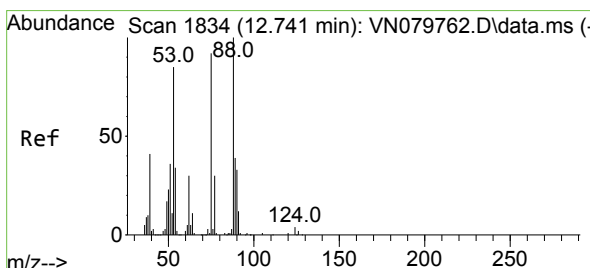
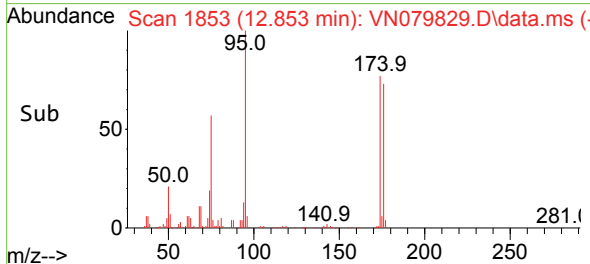
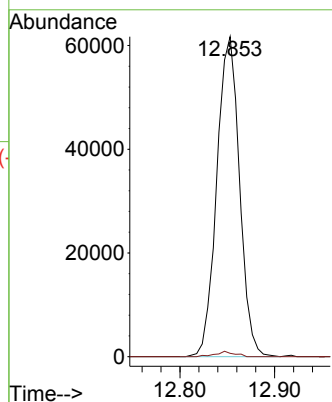
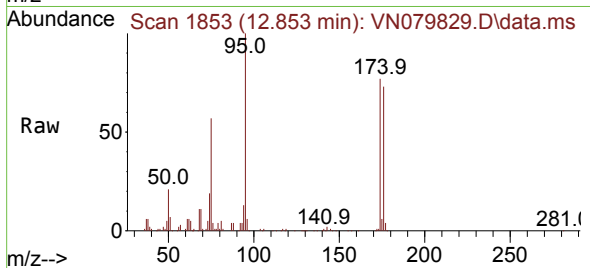
FSND-MW-16-20231101

Tgt Ion: 75 Resp: 102922

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.384 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079829.D

Acq: 03 Nov 2023 06:44

Tgt Ion: 75 Resp: 102922

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

