

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079820.D
 Acq On : 03 Nov 2023 03:11
 Operator : JC\MD
 Sample : 05222-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-RB-1-20231030

Quant Time: Nov 03 05:35:15 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	8.229	168	230769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	449923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	461734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	176666	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	200082	56.909	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.820%	
35) Dibromofluoromethane	8.171	113	171161	53.750	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.500%	
50) Toluene-d8	10.570	98	593091	50.593	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.180%	
62) 4-Bromofluorobenzene	12.853	95	195312	50.236	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.480%	

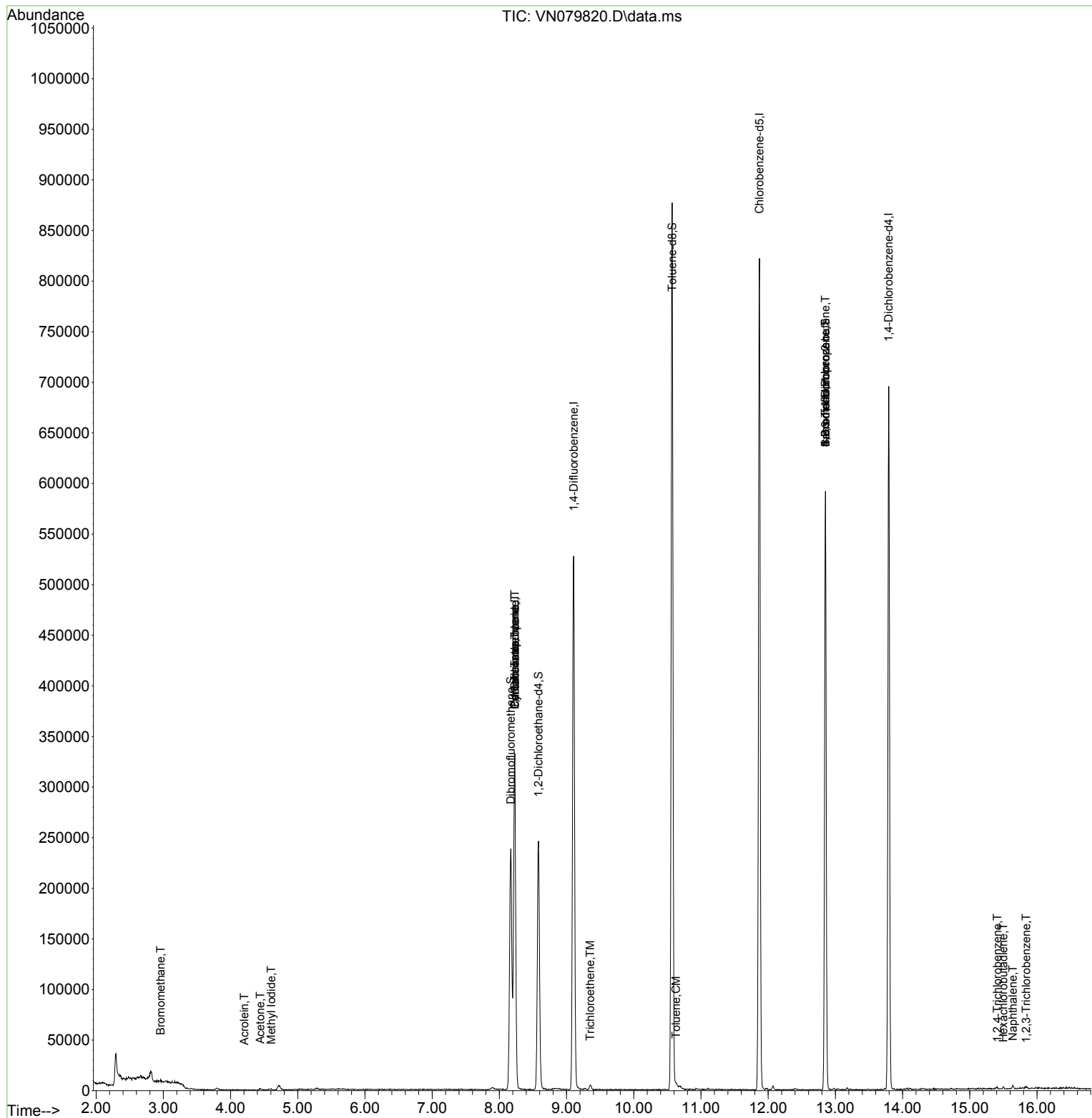
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	1183	Below Cal	#	86
5) Bromomethane	2.959	94	1046	0.473	ug/l	92
10) Methyl Iodide	4.606	142	1199	0.400	ug/l #	80
13) Acrolein	4.206	56	55	2.709	ug/l #	16
16) Acetone	4.441	43	997	0.807	ug/l #	84
31) Cyclohexane	8.229	56	6384	1.374	ug/l #	53
36) 1,1-Dichloropropene	8.229	75	21494	4.727	ug/l #	47
38) Carbon Tetrachloride	8.229	117	24709	5.392	ug/l #	17
44) Trichloroethene	9.353	130	1713	0.507	ug/l	63
52) Toluene	10.629	92	2142	0.265	ug/l	99
71) Bromoform	12.853	173	1549	0.605	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	107009	25.800	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107009	70.196	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.411	180	857	0.313	ug/l #	69
94) Hexachlorobutadiene	15.500	225	314	0.253	ug/l	71
95) Naphthalene	15.641	128	3501	0.377	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	690	0.257	ug/l #	78

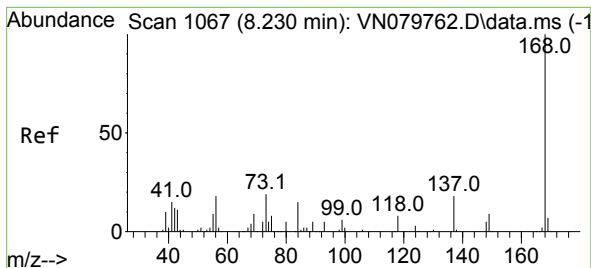
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. 0.000 min

Lab File: VN079820.D

Acq: 03 Nov 2023 03:11

Instrument :

MSVOA_N

ClientSampleId :

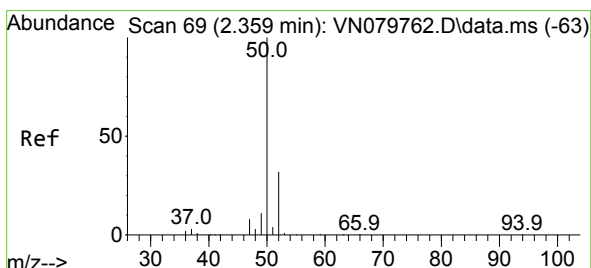
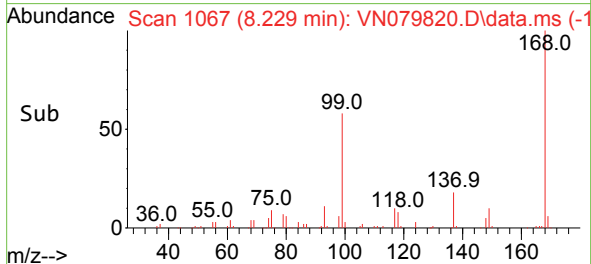
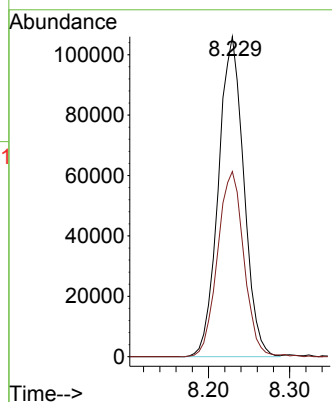
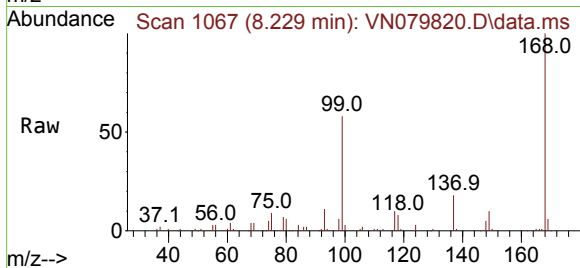
FSND-RB-1-20231030

Tgt Ion:168 Resp: 230769

Ion Ratio Lower Upper

168 100

99 57.9 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079820.D

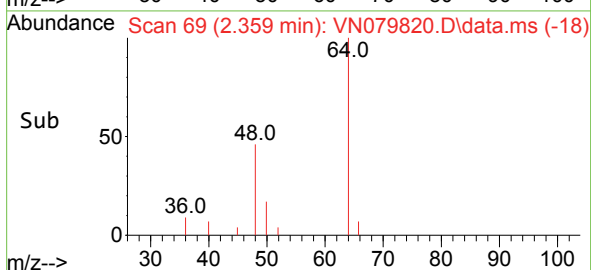
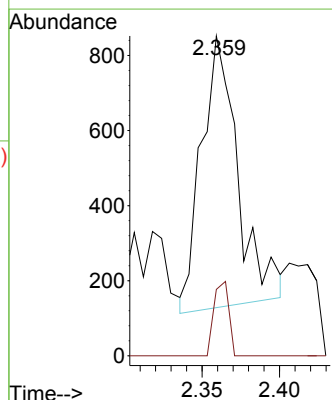
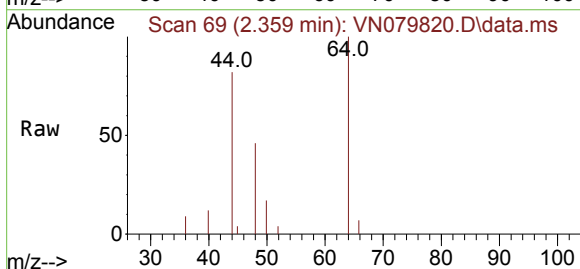
Acq: 03 Nov 2023 03:11

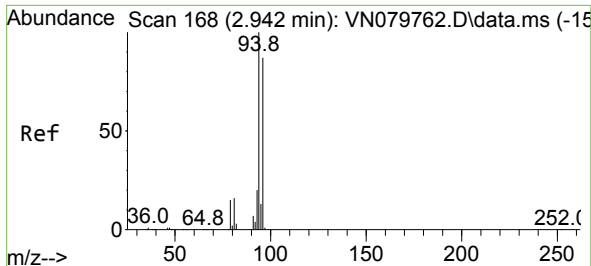
Tgt Ion: 50 Resp: 1183

Ion Ratio Lower Upper

50 100

52 25.4 26.5 39.7#

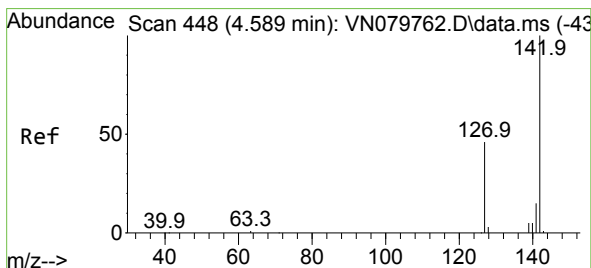
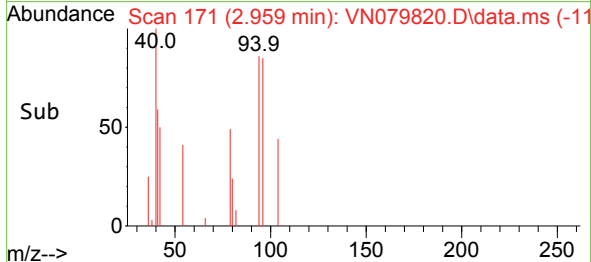
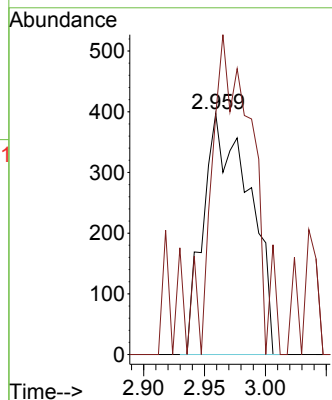
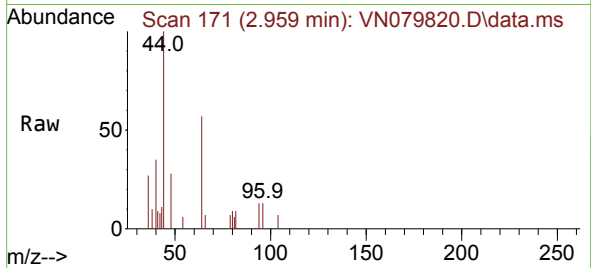




#5
Bromomethane
Concen: 0.473 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

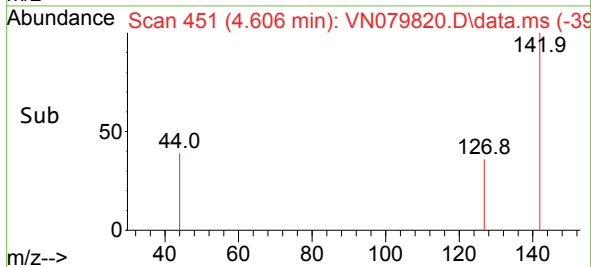
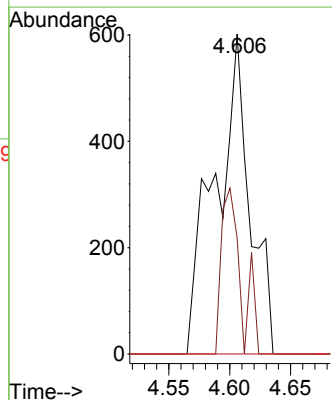
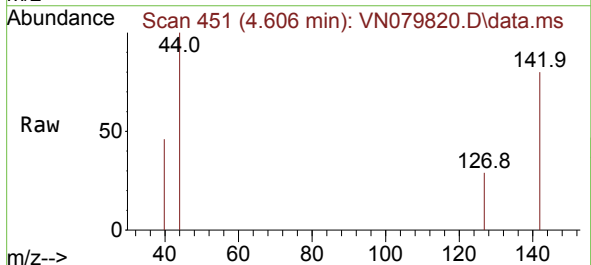
Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20231030

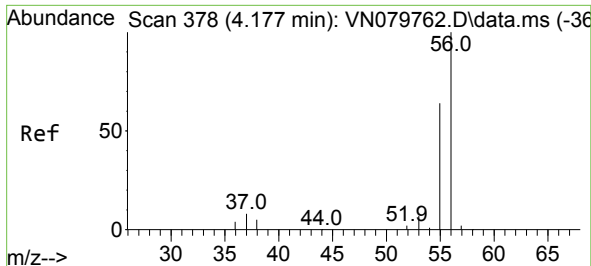
Tgt Ion: 94 Resp: 1046
Ion Ratio Lower Upper
94 100
96 99.2 73.1 109.7



#10
Methyl Iodide
Concen: 0.400 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

Tgt Ion:142 Resp: 1199
Ion Ratio Lower Upper
142 100
127 36.2 37.6 56.4#
141 0.0 11.4 17.0#

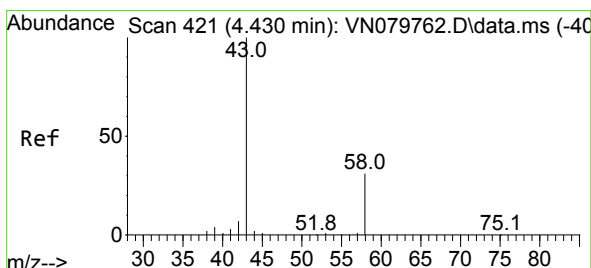
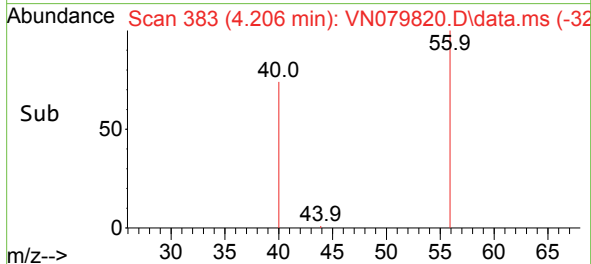
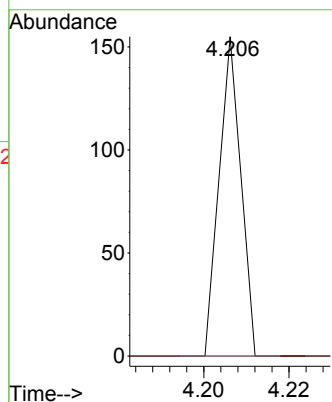
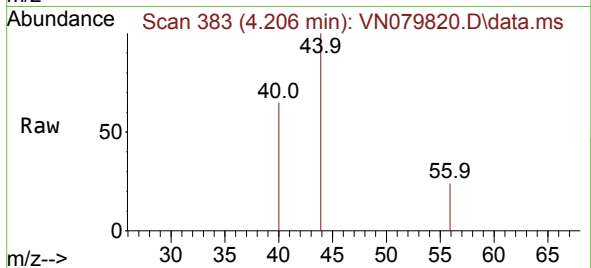




#13
Acrolein
Concen: 2.709 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.023 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

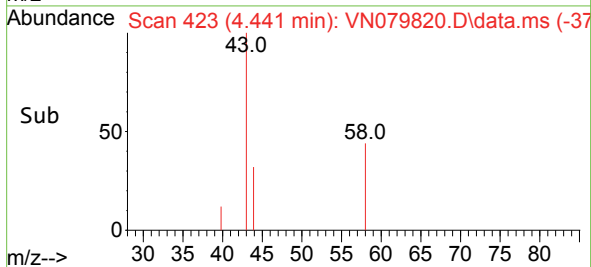
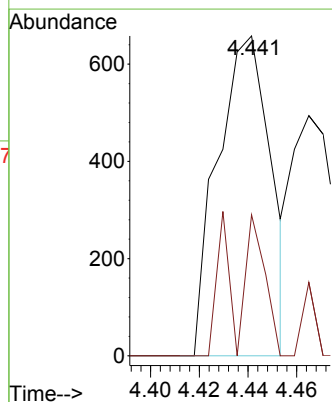
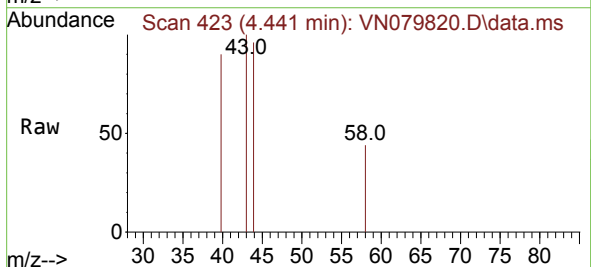
Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20231030

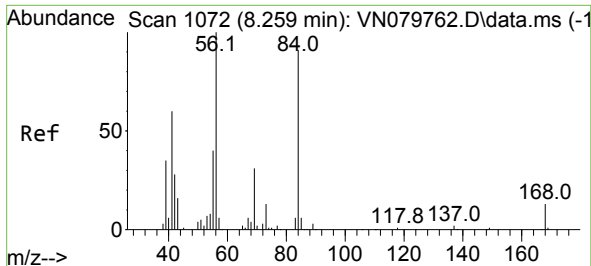
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 0.807 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

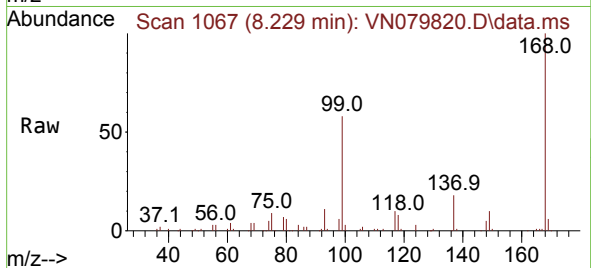
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
58 44.1 28.0 42.0#



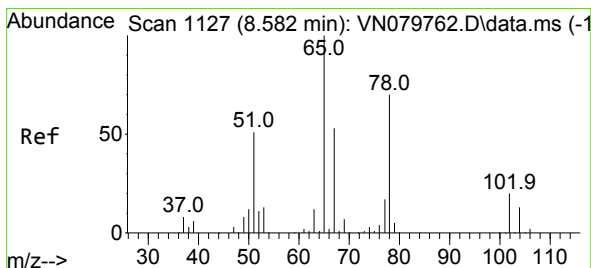
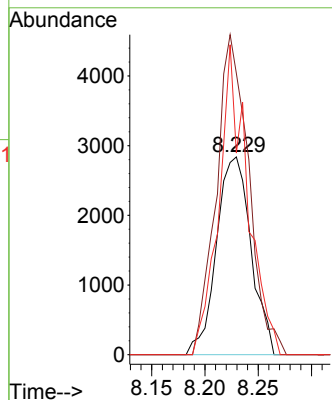
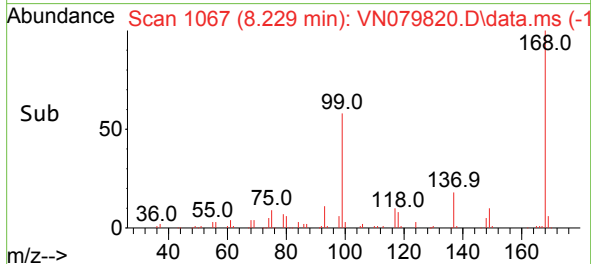


#31
Cyclohexane
Concen: 1.374 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20231030

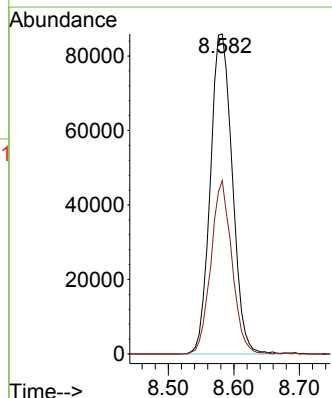
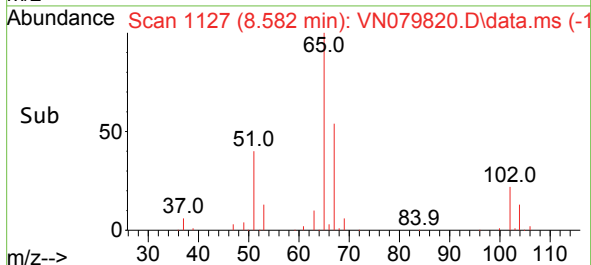
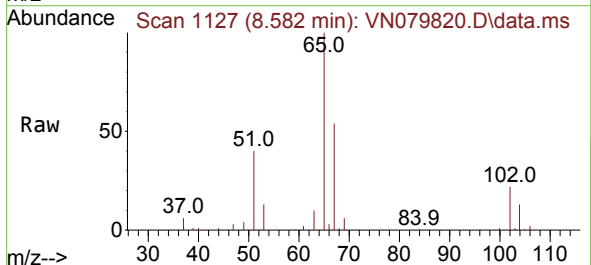


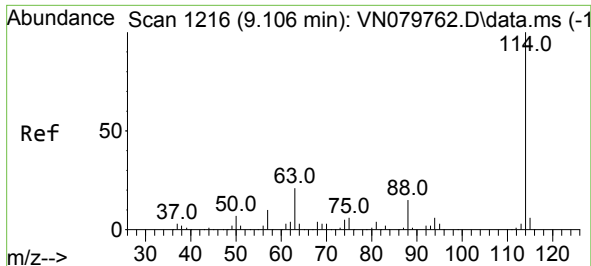
Tgt Ion: 56 Resp: 6384
Ion Ratio Lower Upper
56 100
69 142.2 26.8 40.2#
84 101.9 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 56.909 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

Tgt Ion: 65 Resp: 200082
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079820.D

Acq: 03 Nov 2023 03:11

Instrument :

MSVOA_N

ClientSampleId :

FSND-RB-1-20231030

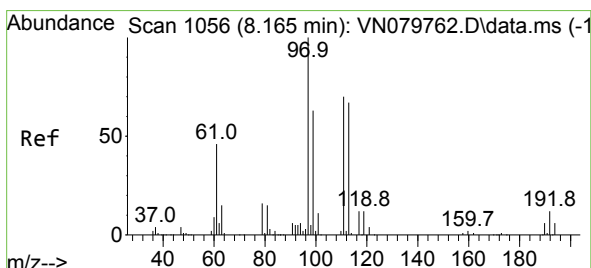
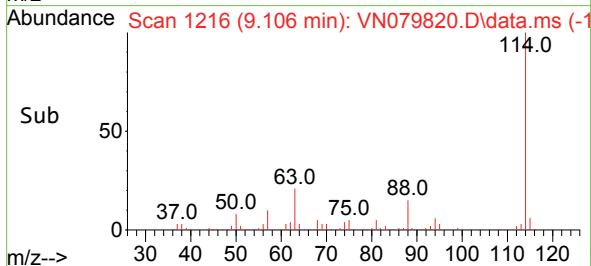
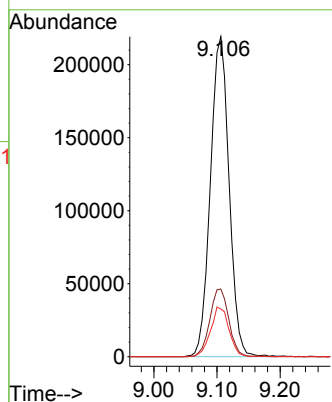
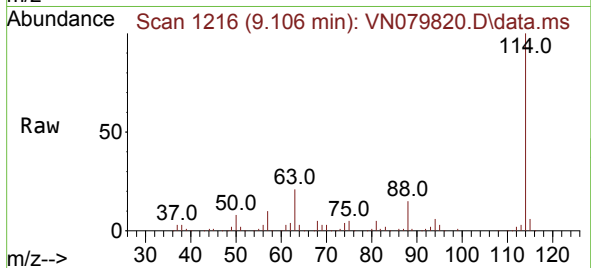
Tgt Ion:114 Resp: 449923

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.750 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079820.D

Acq: 03 Nov 2023 03:11

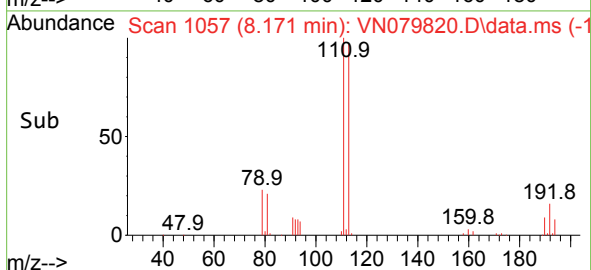
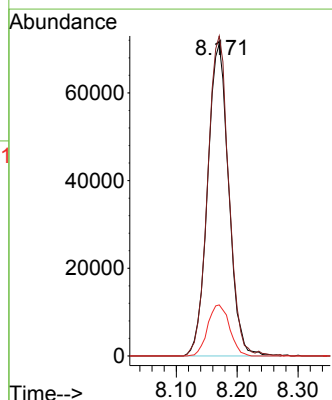
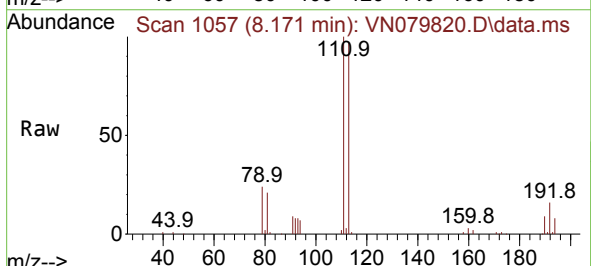
Tgt Ion:113 Resp: 171161

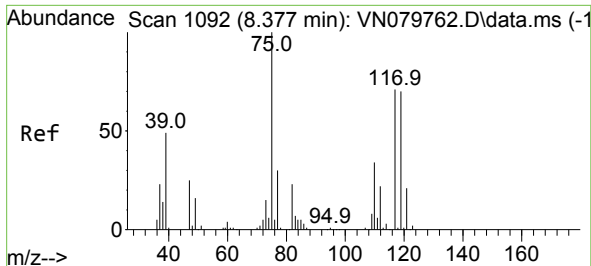
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 16.9 12.7 19.1

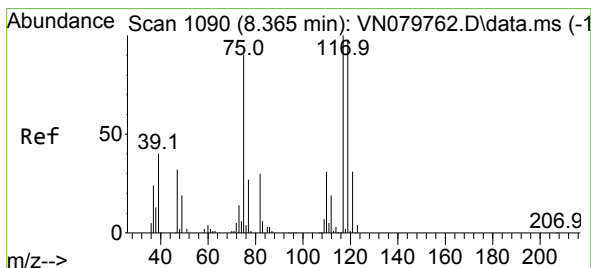
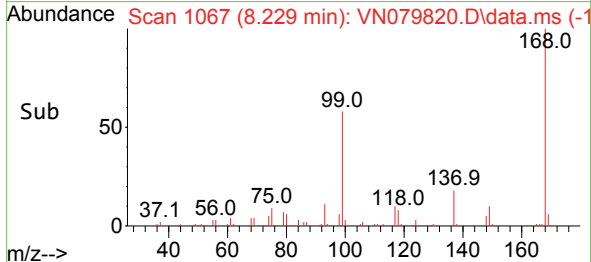
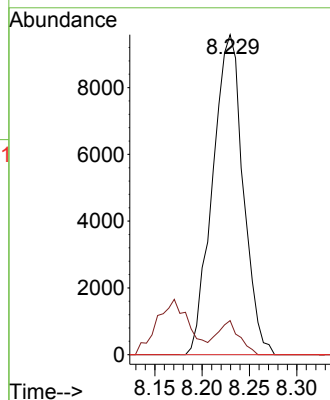
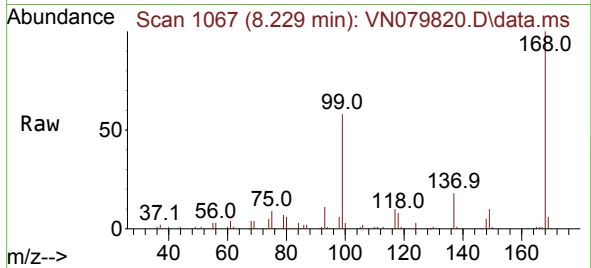




#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

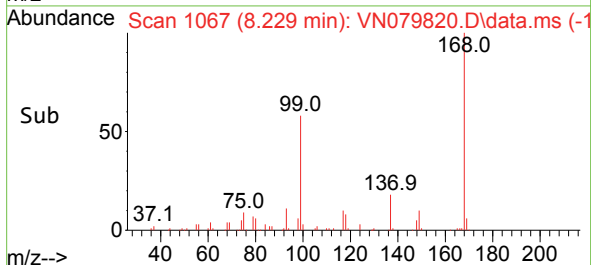
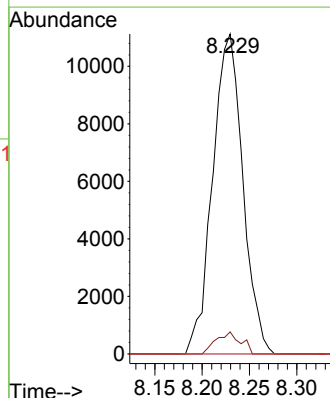
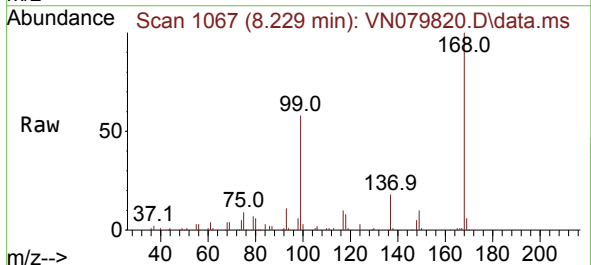
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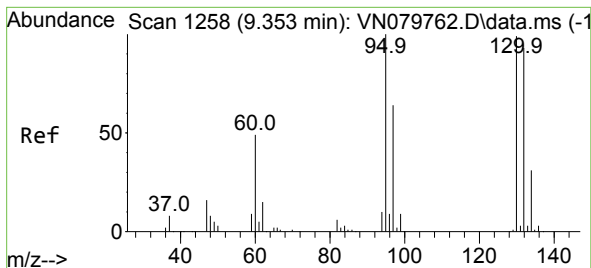
Tgt Ion: 75 Resp: 21494
Ion Ratio Lower Upper
75 100
110 7.7 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.392 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

Tgt Ion: 117 Resp: 24709
Ion Ratio Lower Upper
117 100
119 6.9 77.3 115.9#
121 0.0 23.3 34.9#





#44

Trichloroethene

Concen: 0.507 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN079820.D

Acq: 03 Nov 2023 03:11

Instrument :

MSVOA_N

ClientSampleId :

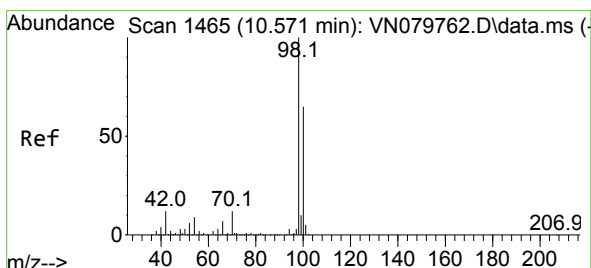
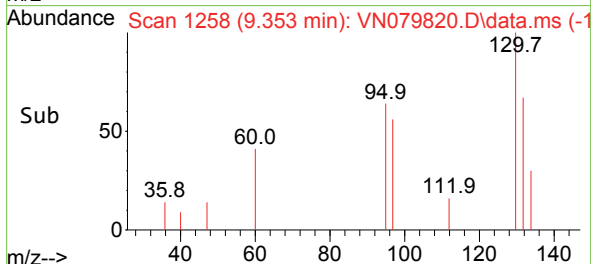
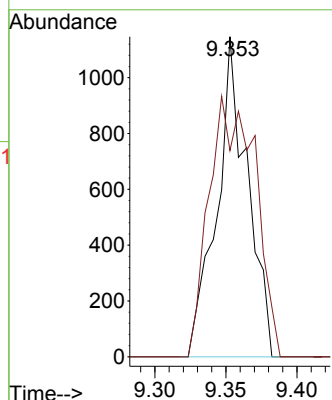
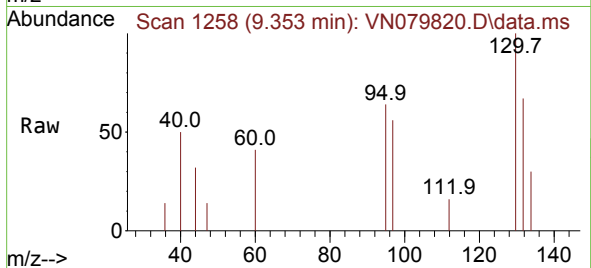
FSND-RB-1-20231030

Tgt Ion:130 Resp: 1713

Ion Ratio Lower Upper

130 100

95 64.4 0.0 204.6



#50

Toluene-d8

Concen: 50.593 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079820.D

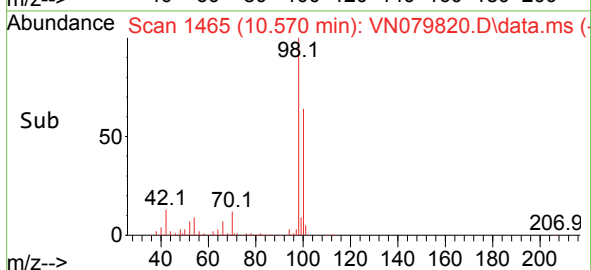
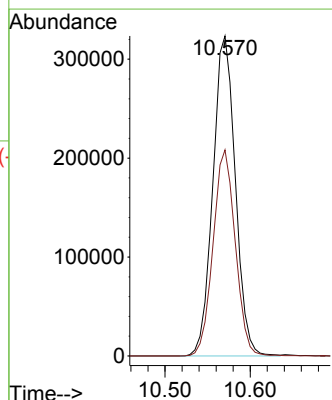
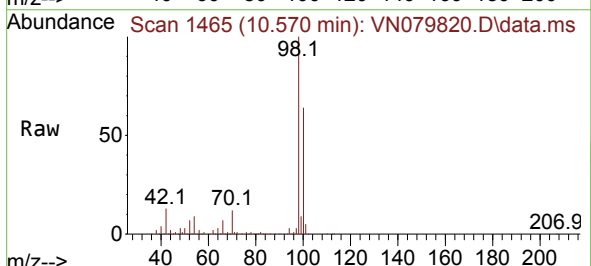
Acq: 03 Nov 2023 03:11

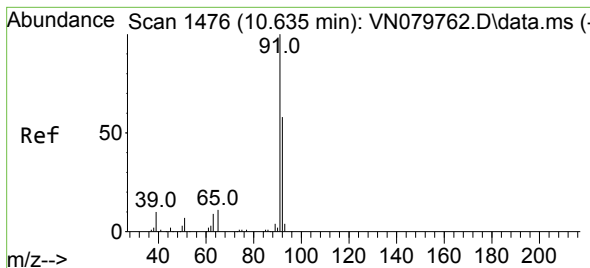
Tgt Ion: 98 Resp: 593091

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0





#52

Toluene

Concen: 0.265 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN079820.D

Acq: 03 Nov 2023 03:11

Instrument :

MSVOA_N

ClientSampleId :

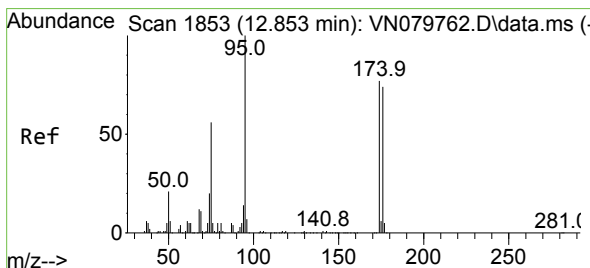
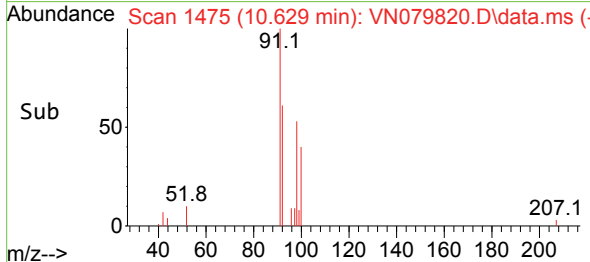
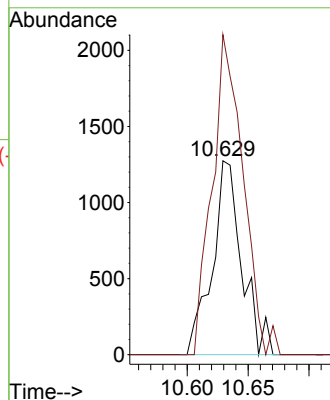
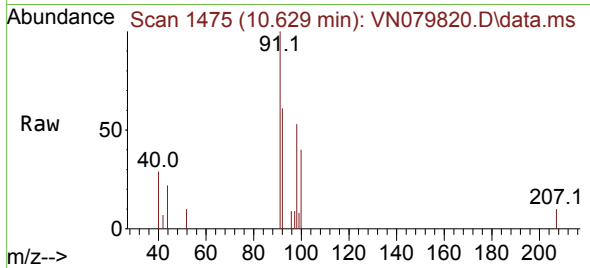
FSND-RB-1-20231030

Tgt Ion: 92 Resp: 2142

Ion Ratio Lower Upper

92 100

91 173.8 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 50.236 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079820.D

Acq: 03 Nov 2023 03:11

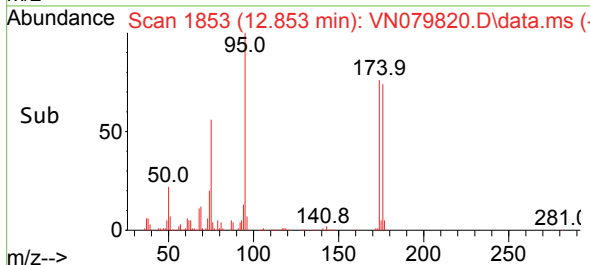
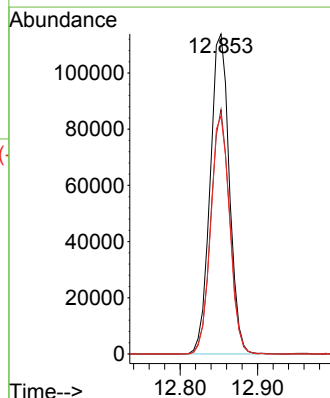
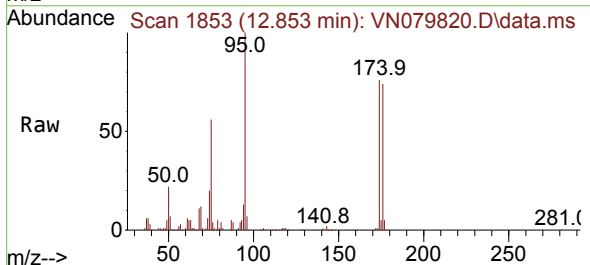
Tgt Ion: 95 Resp: 195312

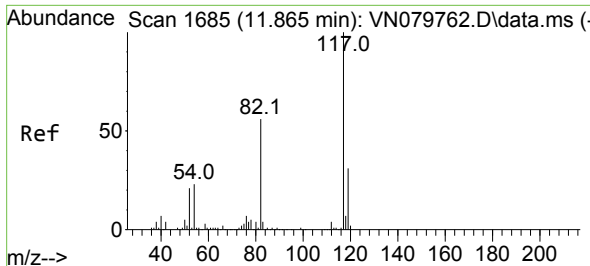
Ion Ratio Lower Upper

95 100

174 74.8 0.0 143.8

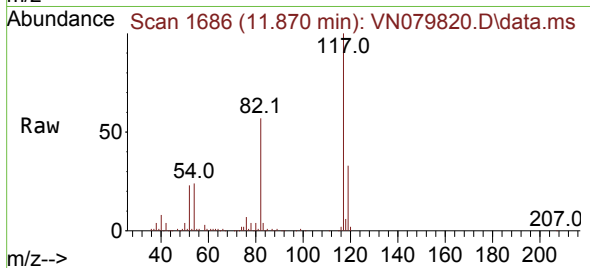
176 73.5 0.0 135.8



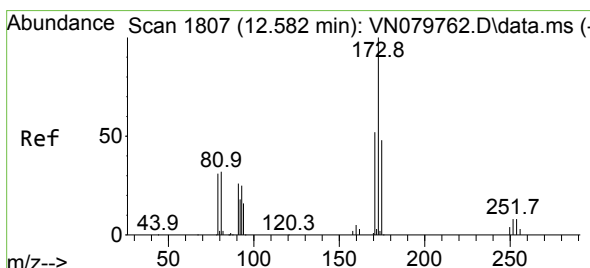
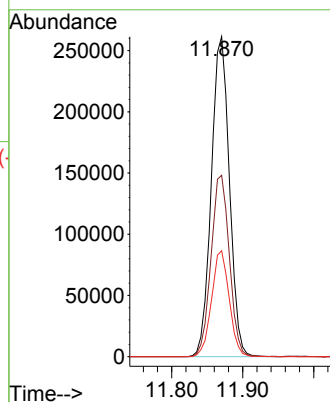
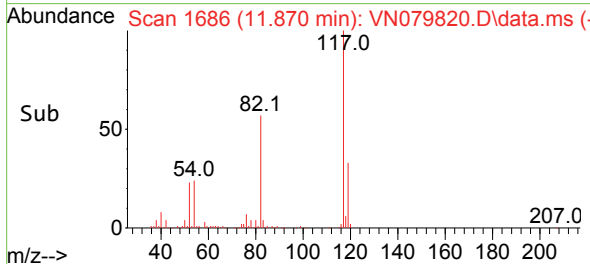


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

Instrument :
MSVOA_N
ClientSampleId :
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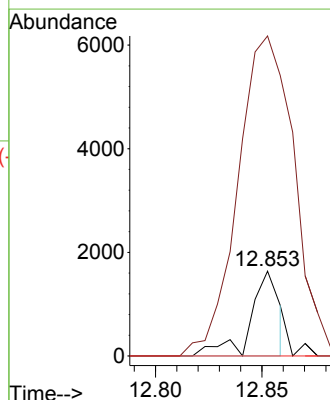
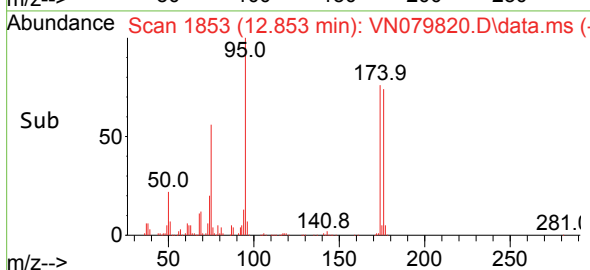
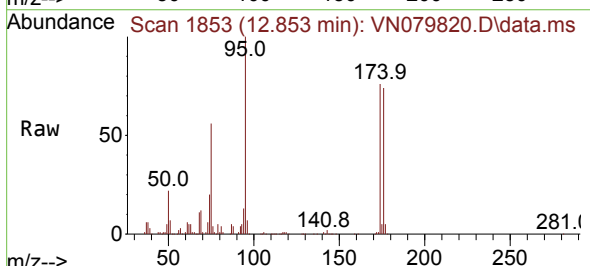


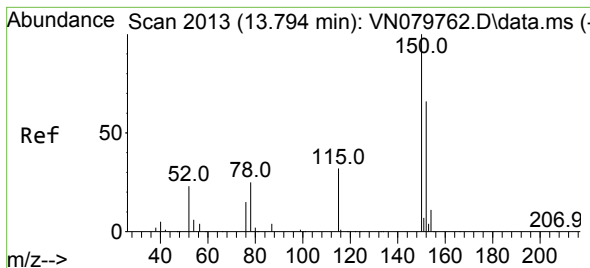
Tgt Ion:117 Resp: 461734
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 33.1 25.6 38.4



#71
Bromoform
Concen: 0.605 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

Tgt Ion:173 Resp: 1549
Ion Ratio Lower Upper
173 100
175 574.8 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN079820.D

Acq: 03 Nov 2023 03:11

Instrument :

MSVOA_N

ClientSampleId :

FSND-RB-1-20231030

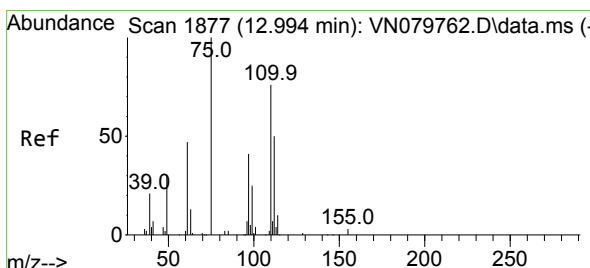
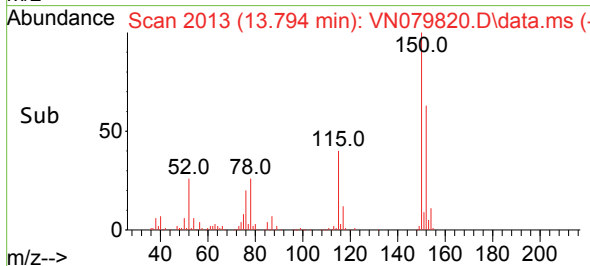
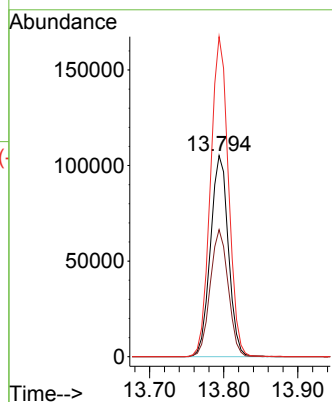
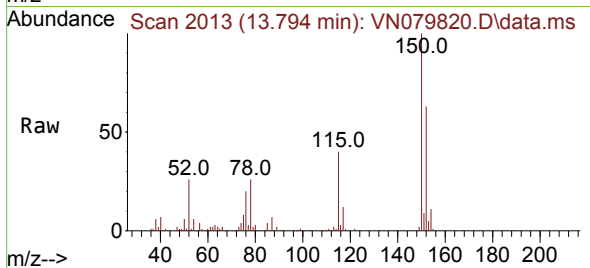
Tgt Ion:152 Resp: 176666

Ion Ratio Lower Upper

152 100

115 63.4 32.3 96.8

150 159.4 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.800 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079820.D

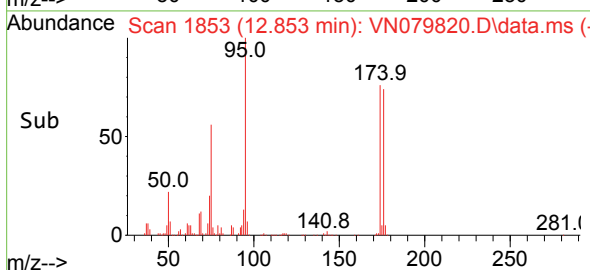
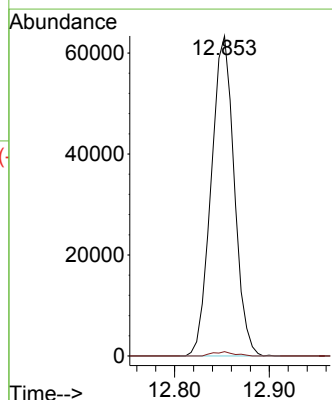
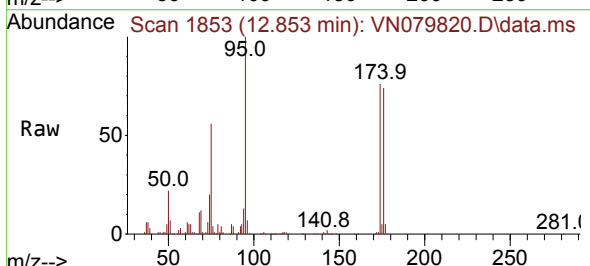
Acq: 03 Nov 2023 03:11

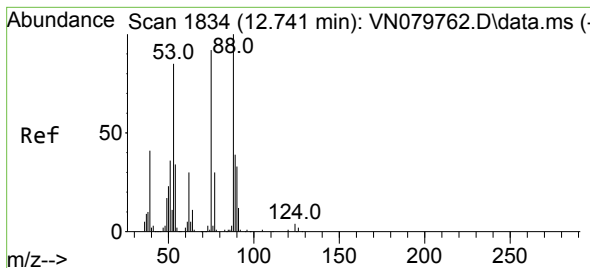
Tgt Ion: 75 Resp: 107009

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

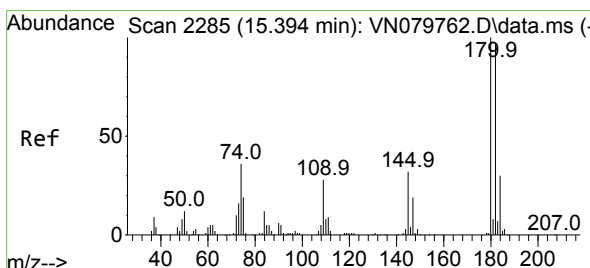
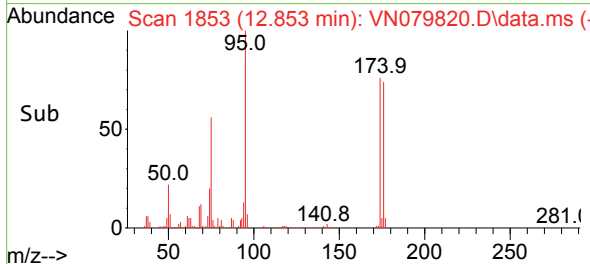
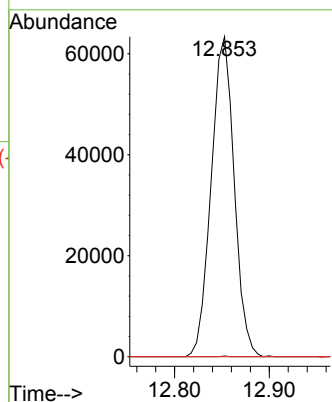
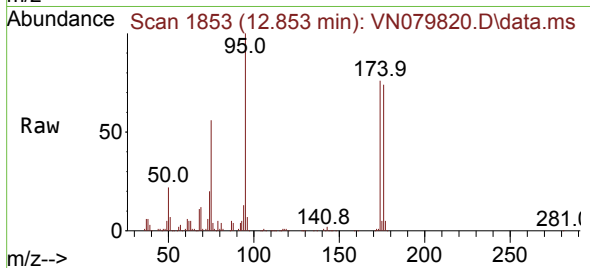




#81
trans-1,4-Dichloro-2-butene
Concen: 70.196 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

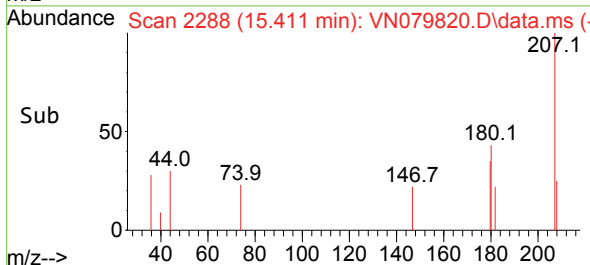
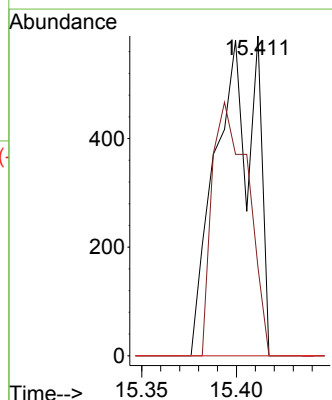
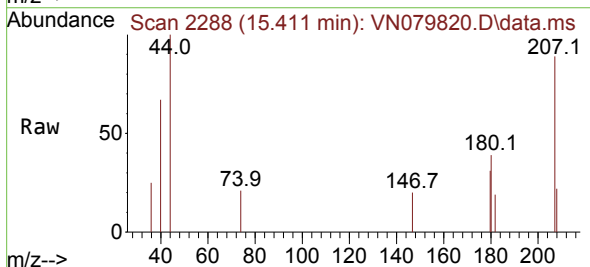
Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20231030

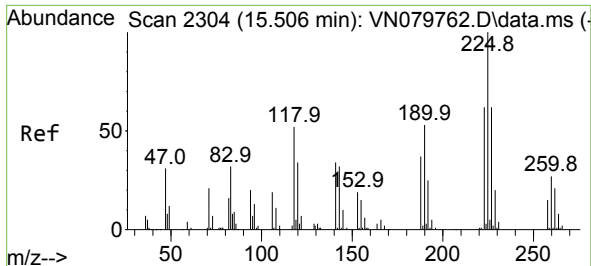
Tgt Ion: 75 Resp: 107009
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.313 ug/l
RT: 15.411 min Scan# 2288
Delta R.T. 0.018 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

Tgt Ion:180 Resp: 857
Ion Ratio Lower Upper
180 100
182 71.8 46.1 138.2
145 0.0 16.6 49.8#

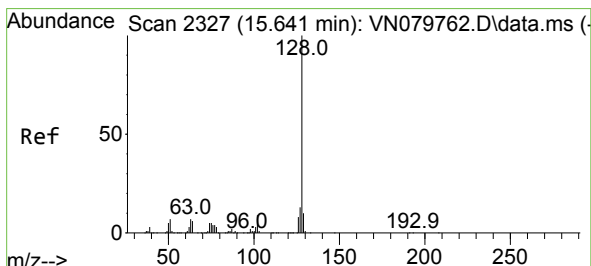
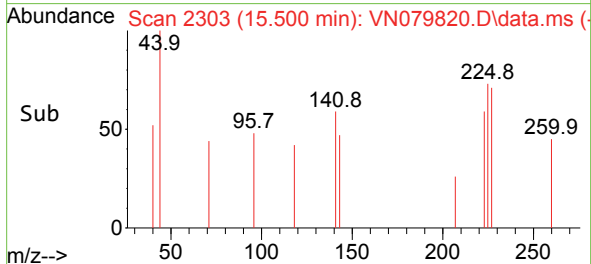
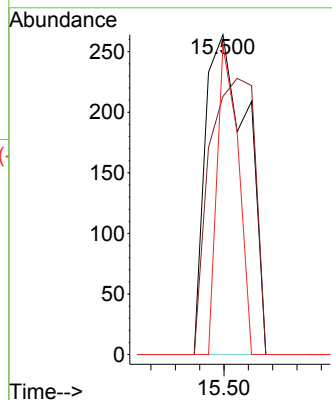
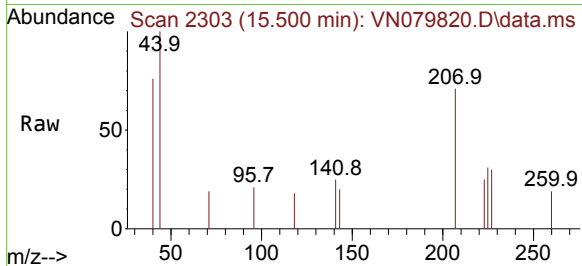




#94
Hexachlorobutadiene
Concen: 0.253 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

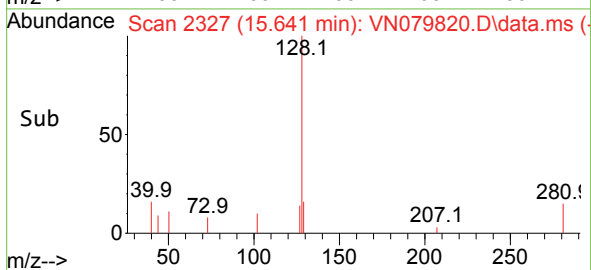
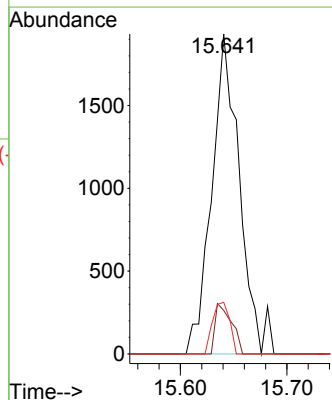
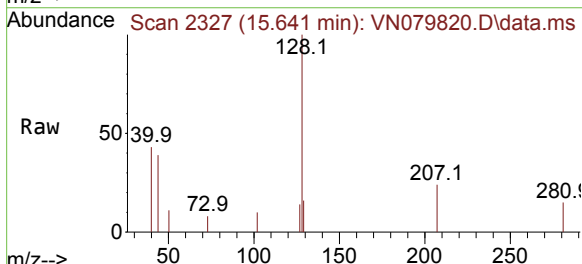
Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20231030

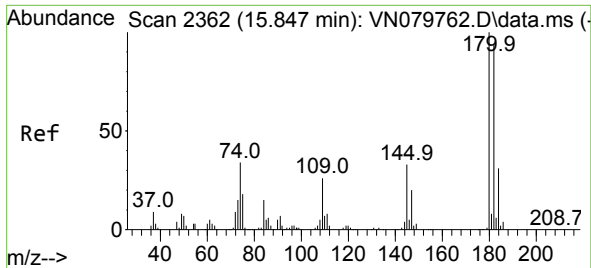
Tgt Ion:	225	Resp:	314
Ion	Ratio	Lower	Upper
225	100		
223	93.6	31.3	93.8
227	49.4	31.9	95.9



#95
Naphthalene
Concen: 0.377 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN079820.D
Acq: 03 Nov 2023 03:11

Tgt Ion:	128	Resp:	3501
Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.0	15.0#
129	9.9	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.257 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN079820.D

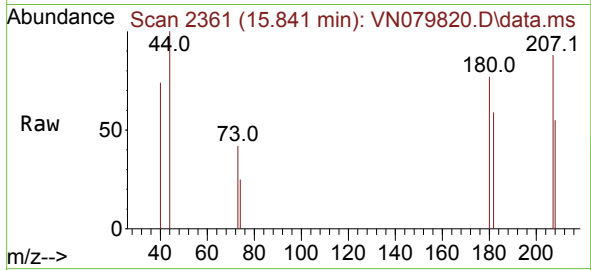
Acq: 03 Nov 2023 03:11

Instrument :

MSVOA_N

ClientSampleId :

FSND-RB-1-20231030



Tgt Ion:180 Resp: 690

Ion Ratio Lower Upper

180 100

182 107.1 46.2 138.6

145 12.2 17.5 52.6#

