

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078235.D
 Acq On : 15 Jun 2023 17:57
 Operator : JC\MD
 Sample : 03231-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jun 16 06:10:17 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)

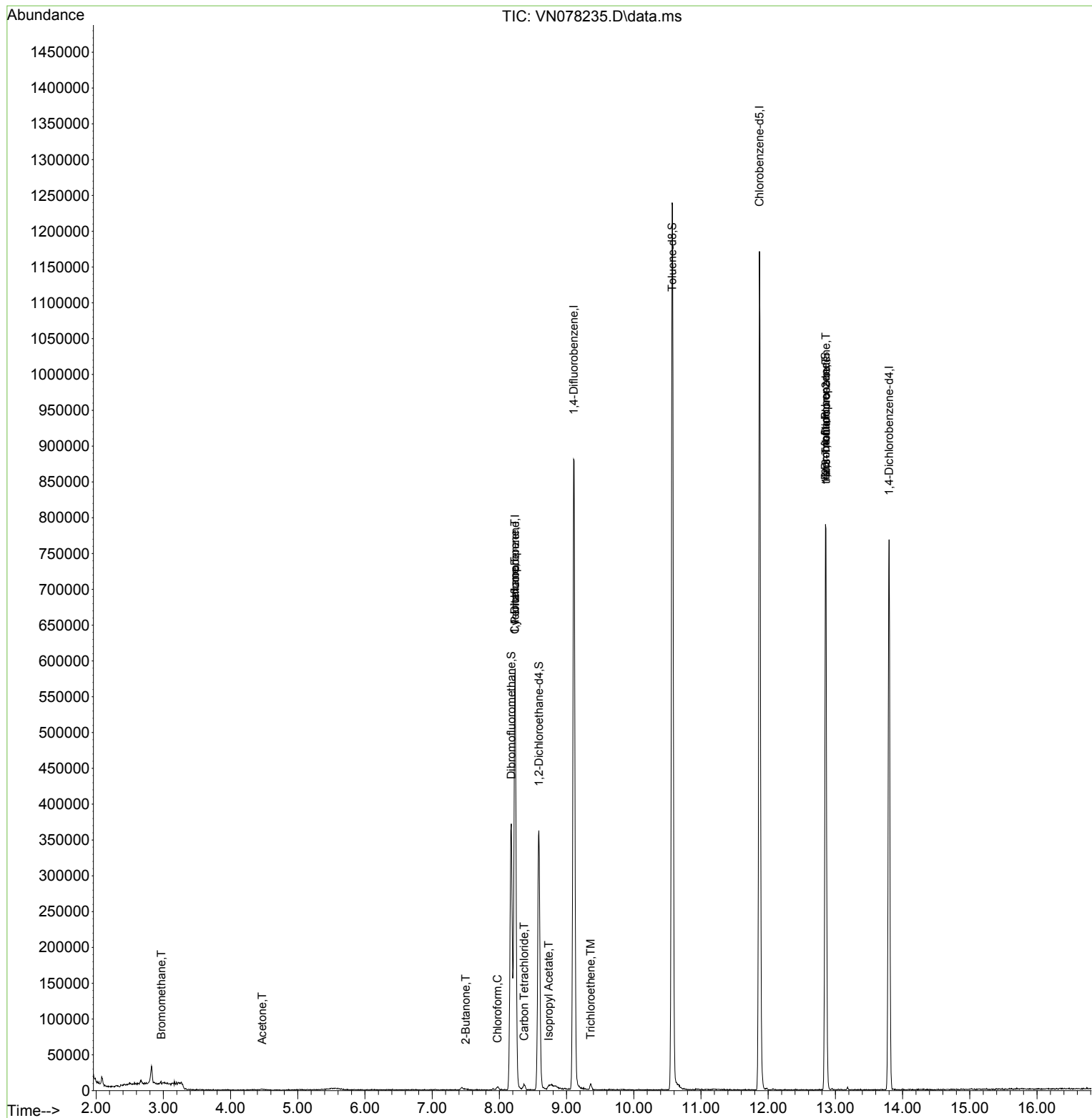
Internal Standards						
1) Pentafluorobenzene	8.235	168	418666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	787448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	689455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	209629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	306512	54.910	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.820%	
35) Dibromofluoromethane	8.177	113	271647	54.559	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.120%	
50) Toluene-d8	10.570	98	917610	47.806	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.620%	
62) 4-Bromofluorobenzene	12.853	95	279316	46.810	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2141	Below Cal	#	85
5) Bromomethane	2.971	94	1024	0.219	ug/l	92
16) Acetone	4.471	43	1366	0.850	ug/l #	40
25) 2-Butanone	7.500	43	1759	0.712	ug/l	91
30) Chloroform	7.971	83	3944	0.423	ug/l #	76
31) Cyclohexane	8.229	56	10088	1.409	ug/l #	57
36) 1,1-Dichloropropene	8.229	75	35894	5.026	ug/l #	49
38) Carbon Tetrachloride	8.371	117	4913	0.652	ug/l #	66
43) Isopropyl Acetate	8.735	43	4602	0.431	ug/l #	49
44) Trichloroethene	9.359	130	2817	0.500	ug/l	60
71) Bromoform	12.853	173	2005	0.572	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.859	83	265	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.859	75	152966	30.867	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	152966	94.832	ug/l #	15

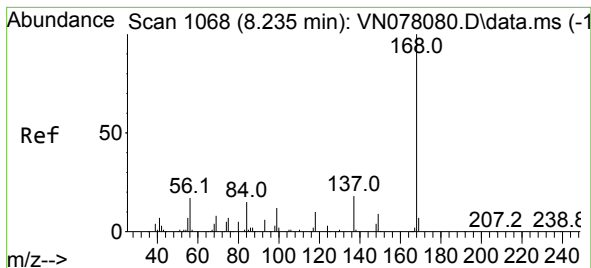
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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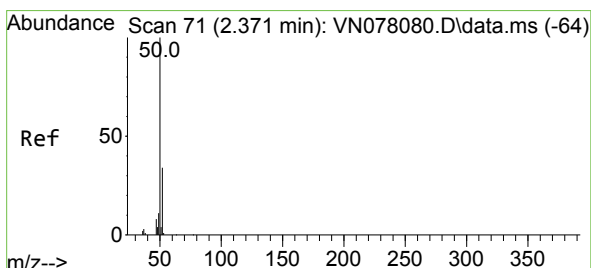
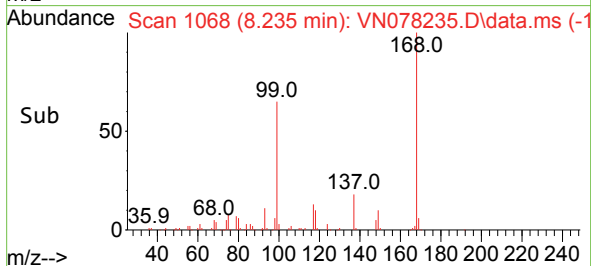
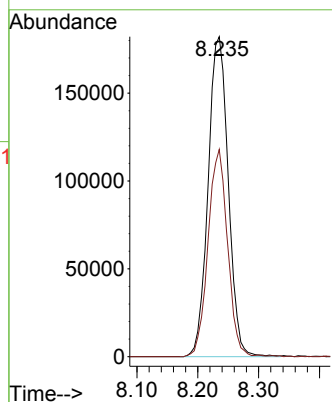
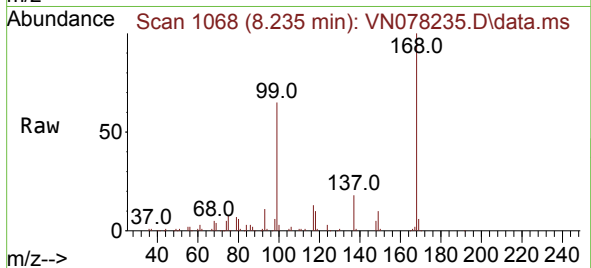




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

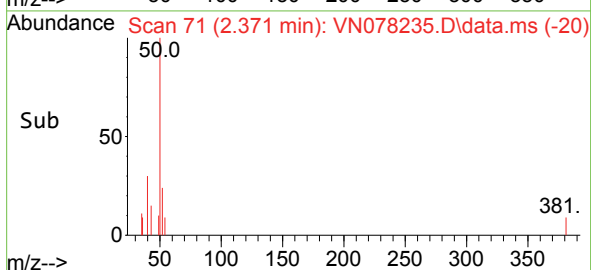
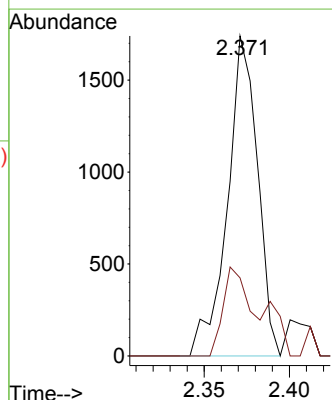
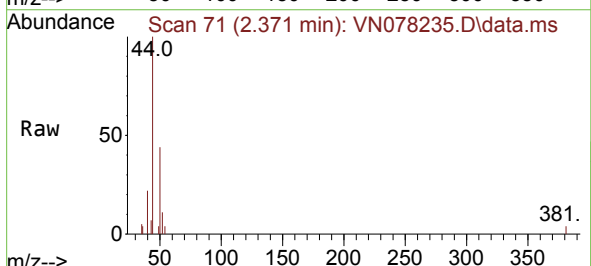
Instrument :
MSVOA_N
ClientSampleId :
FSND-DUP-2-06132023

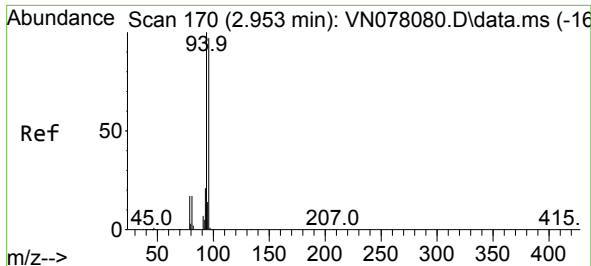
Tgt Ion:168 Resp: 418666
Ion Ratio Lower Upper
168 100
99 64.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

Tgt Ion: 50 Resp: 2141
Ion Ratio Lower Upper
50 100
52 24.4 26.5 39.7#

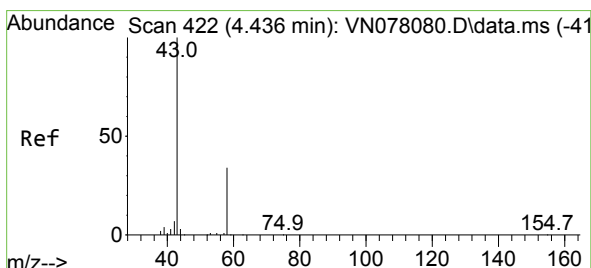
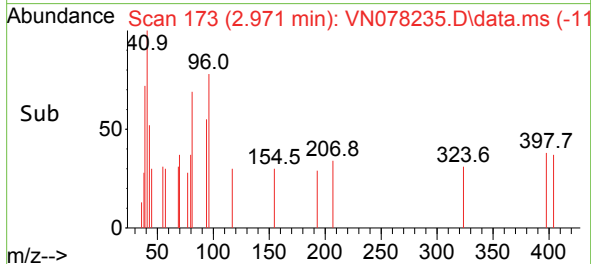
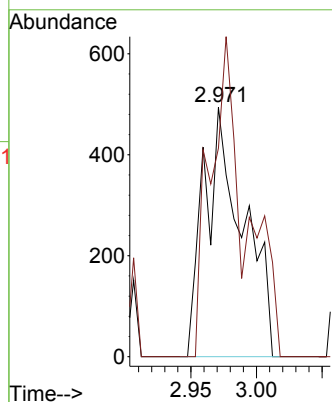
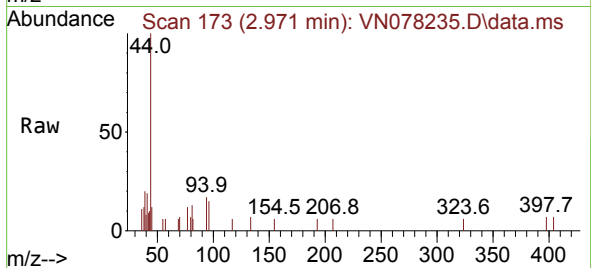




#5
Bromomethane
Concen: 0.219 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

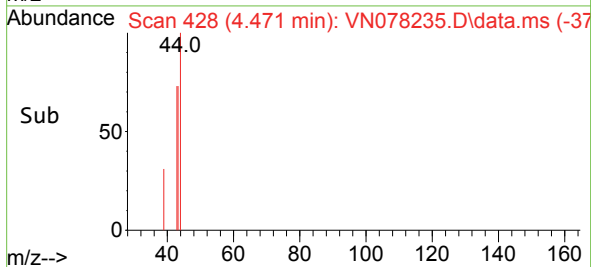
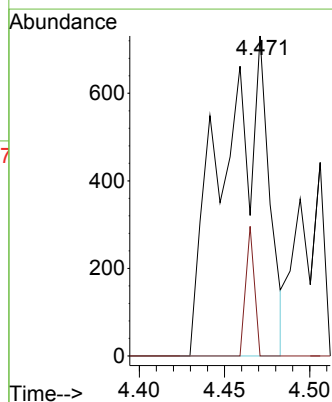
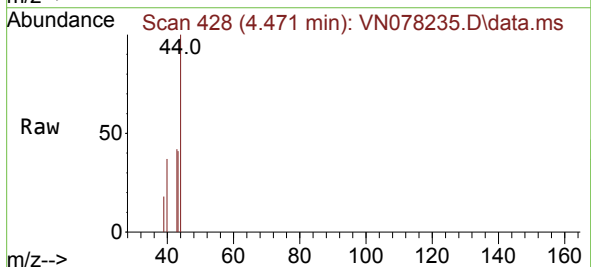
Instrument :
MSVOA_N
ClientSampleId :
FSND-DUP-2-06132023

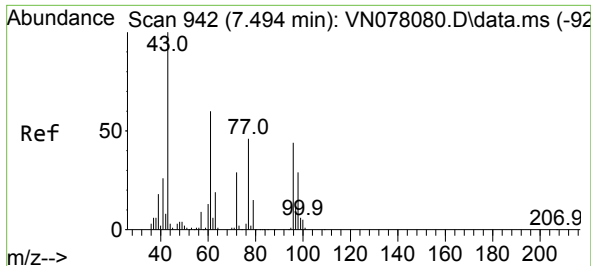
Tgt Ion: 94 Resp: 1024
Ion Ratio Lower Upper
94 100
96 83.6 73.1 109.7



#16
Acetone
Concen: 0.850 ug/l
RT: 4.471 min Scan# 428
Delta R.T. 0.035 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

Tgt Ion: 43 Resp: 1366
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

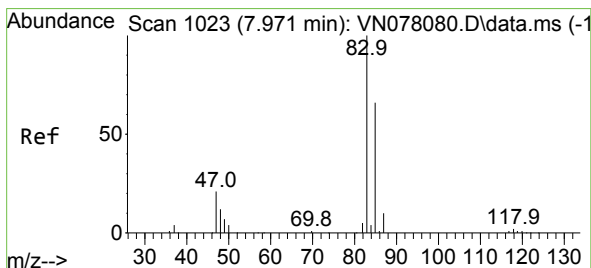
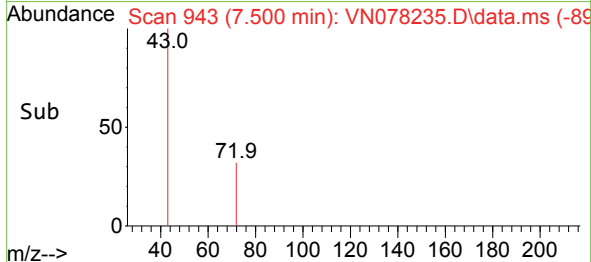
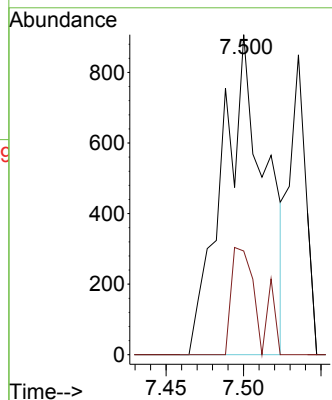
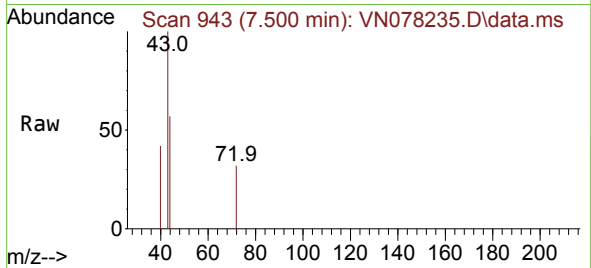




#25
2-Butanone
Concen: 0.712 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

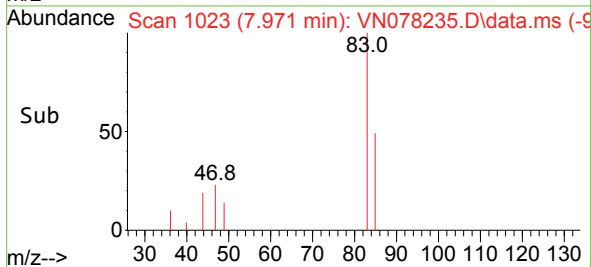
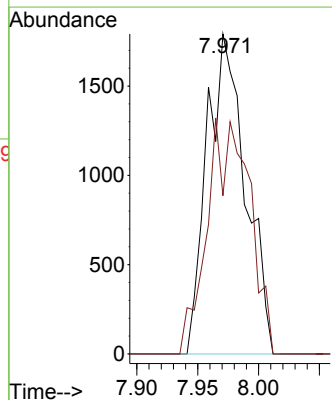
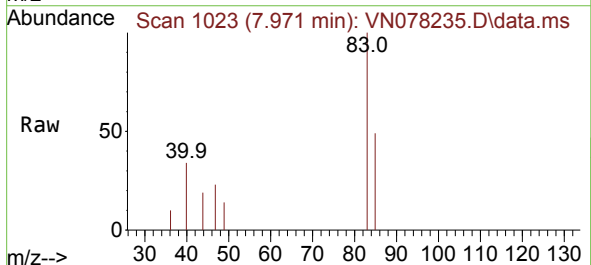
Instrument :
MSVOA_N
ClientSampleId :
FSND-DUP-2-06132023

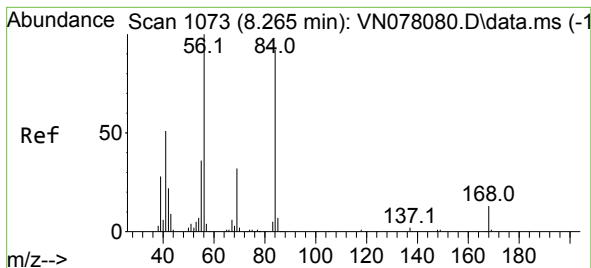
Tgt Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
72 32.4 30.2 45.2



#30
Chloroform
Concen: 0.423 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

Tgt Ion: 83 Resp: 3944
Ion Ratio Lower Upper
83 100
85 49.4 55.4 83.0#





#31

Cyclohexane

Concen: 1.409 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078235.D

Acq: 15 Jun 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

FSND-DUP-2-06132023

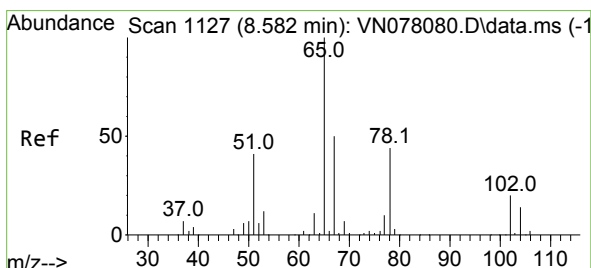
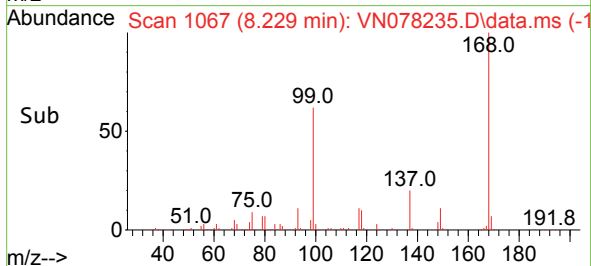
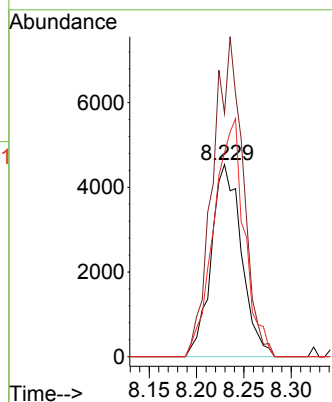
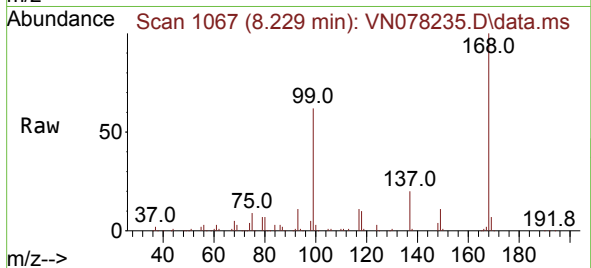
Tgt Ion: 56 Resp: 10088

Ion Ratio Lower Upper

56 100

69 126.7 26.8 40.2#

84 106.3 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 54.910 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078235.D

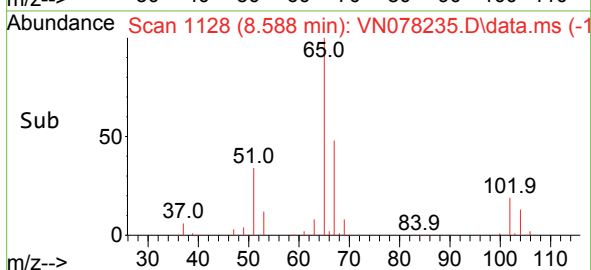
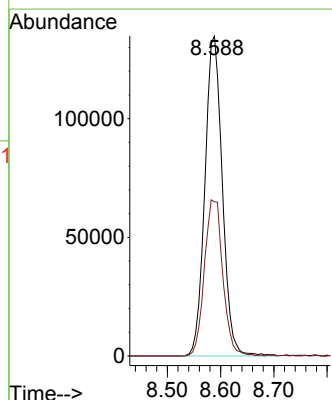
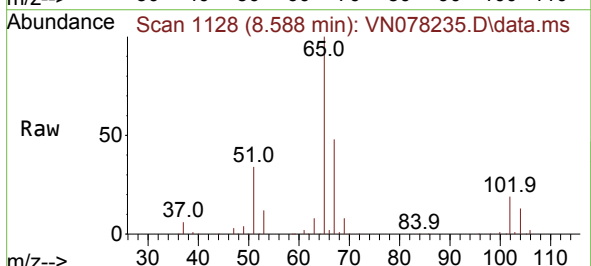
Acq: 15 Jun 2023 17:57

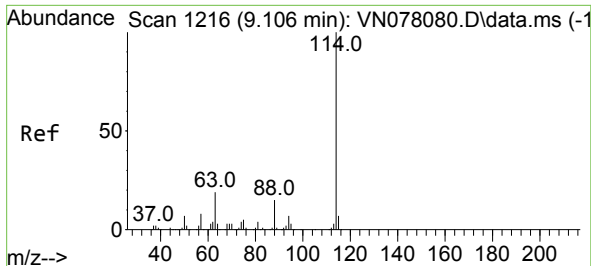
Tgt Ion: 65 Resp: 306512

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.6

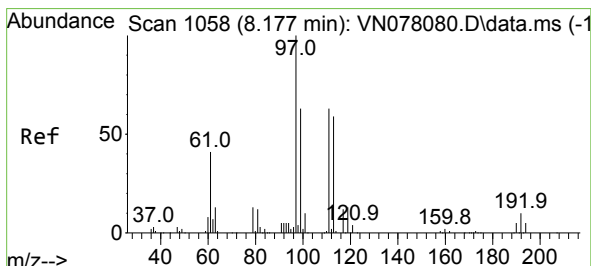
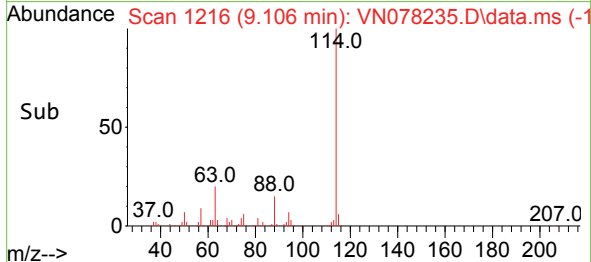
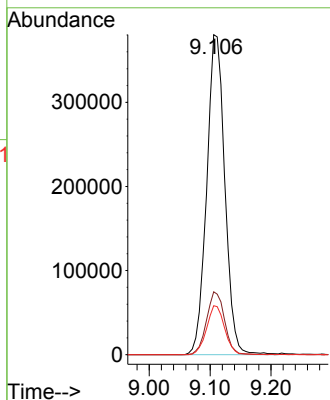
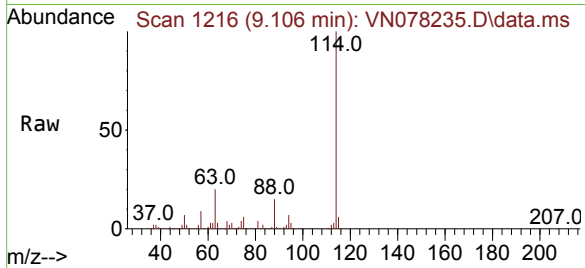




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

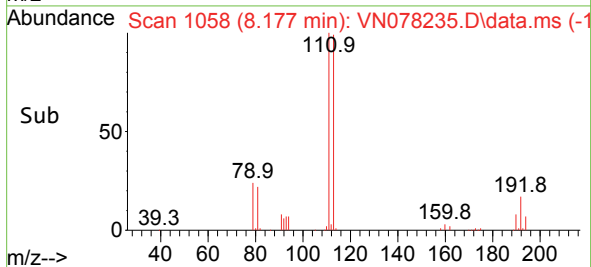
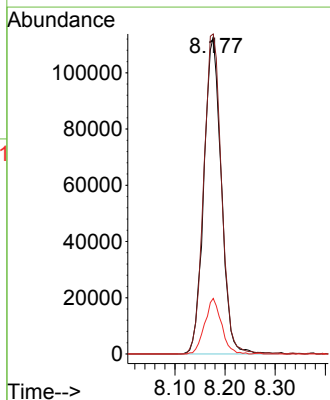
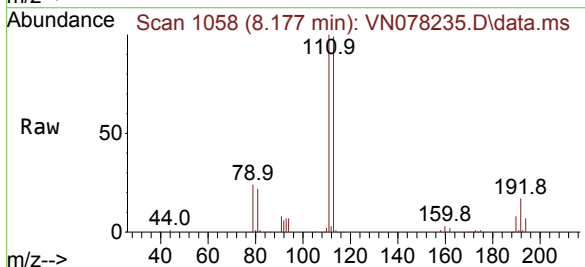
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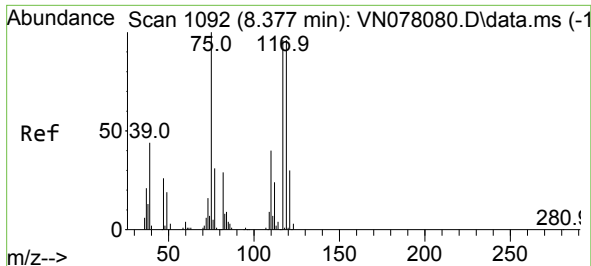
Tgt Ion:114 Resp: 787448
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.559 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

Tgt Ion:113 Resp: 271647
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 16.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.026 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078235.D

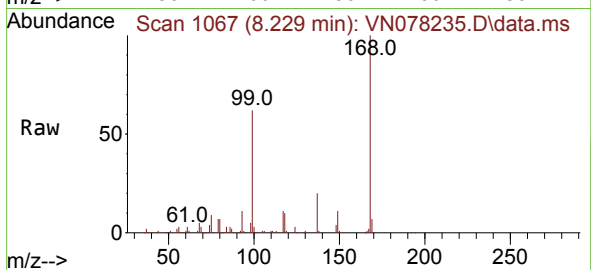
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Instrument :

MSVOA_N

ClientSampleId :

FSND-DUP-2-06132023



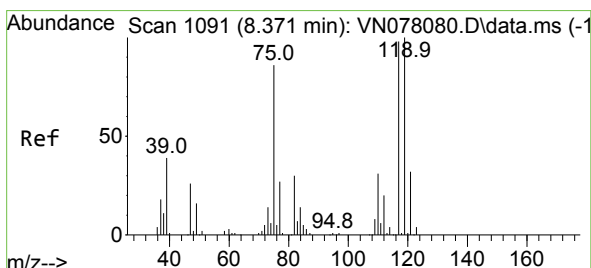
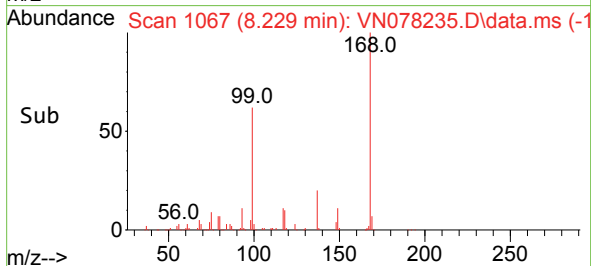
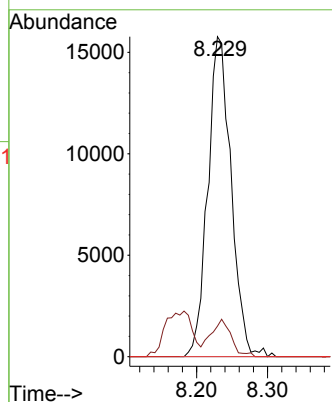
Tgt Ion: 75 Resp: 35894

Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 0.652 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VN078235.D

Acq: 15 Jun 2023 17:57

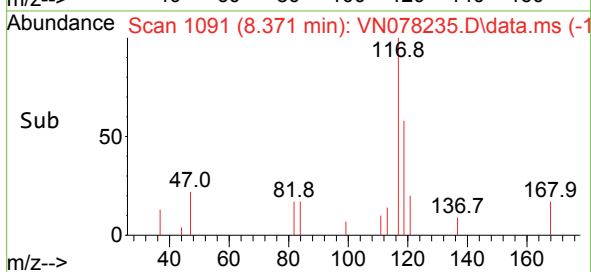
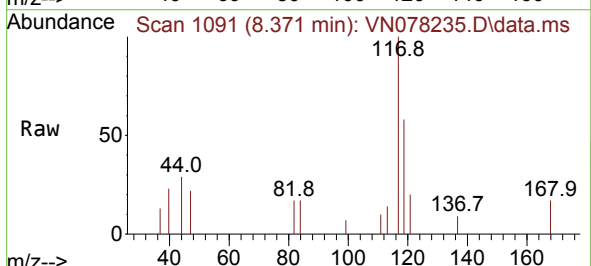
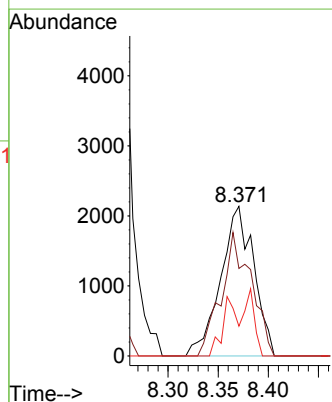
Tgt Ion: 117 Resp: 4913

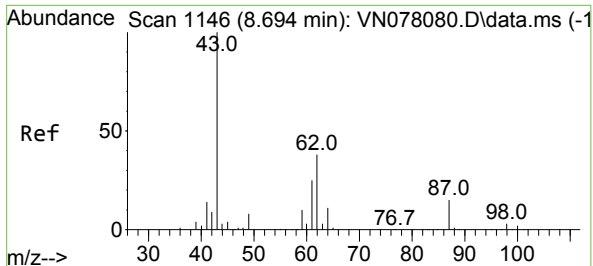
Ion Ratio Lower Upper

117 100

119 58.5 77.3 115.9#

121 19.9 23.3 34.9#

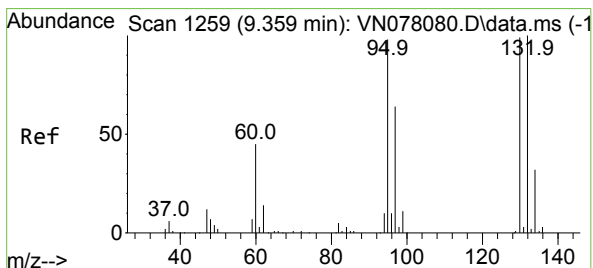
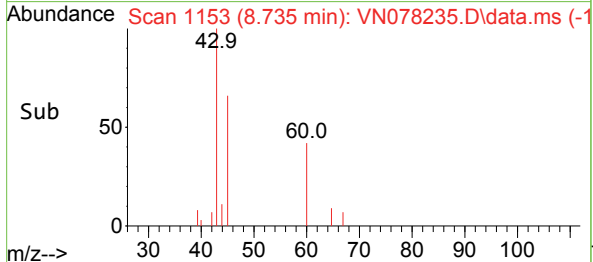
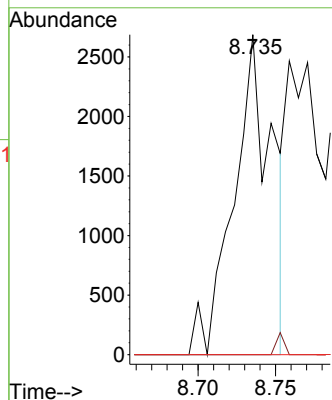
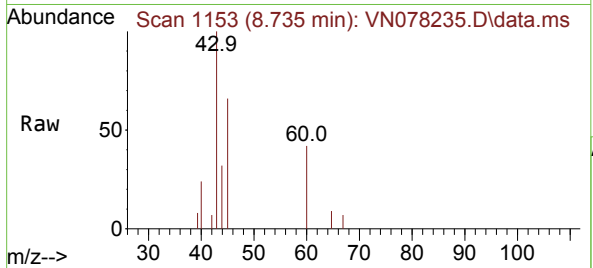




#43
Isopropyl Acetate
Concen: 0.431 ug/l
RT: 8.735 min Scan# 1153
Delta R.T. 0.041 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

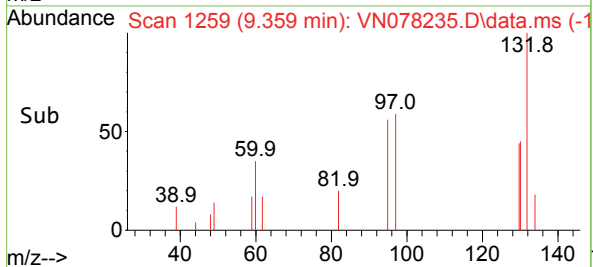
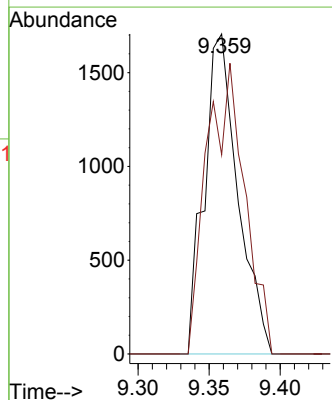
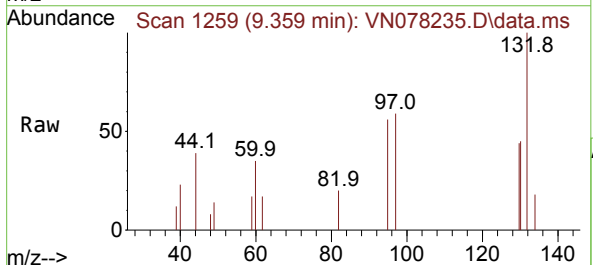
Instrument :
MSVOA_N
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FSND-DUP-2-06132023

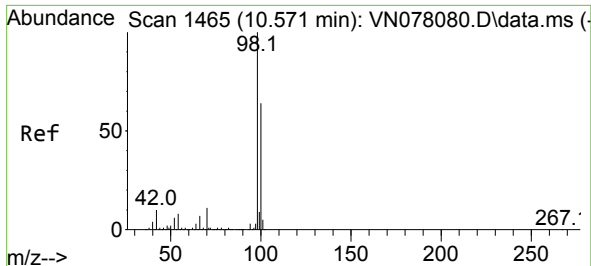
Tgt Ion: 43 Resp: 4602
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 0.500 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

Tgt Ion:130 Resp: 2817
Ion Ratio Lower Upper
130 100
95 62.3 0.0 204.6

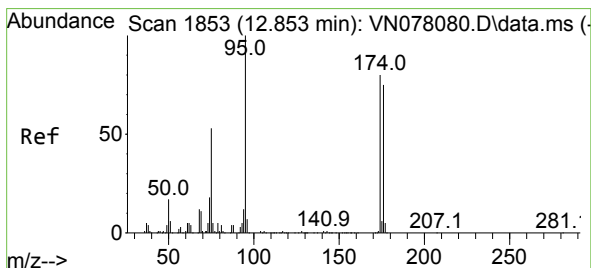
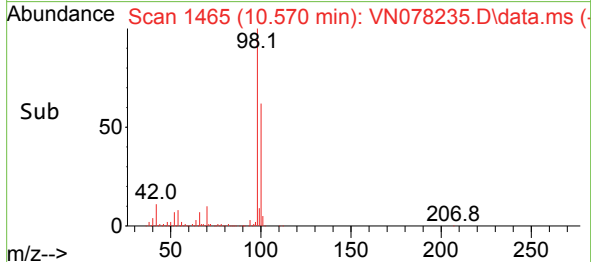
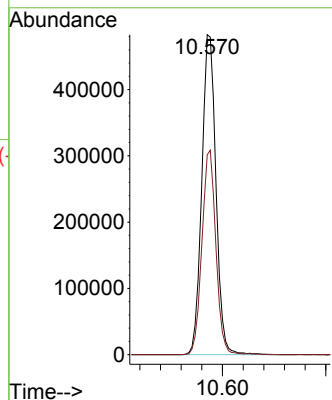
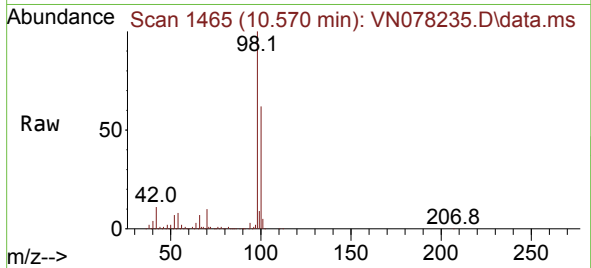




#50
Toluene-d8
Concen: 47.806 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

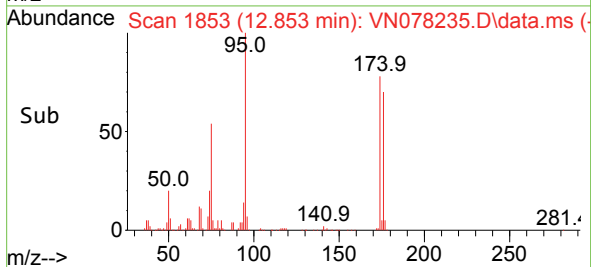
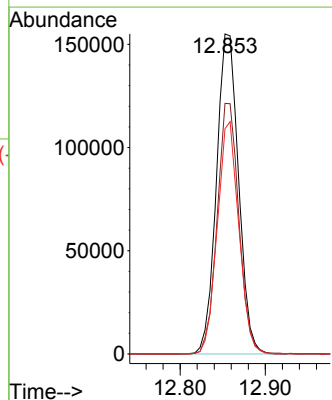
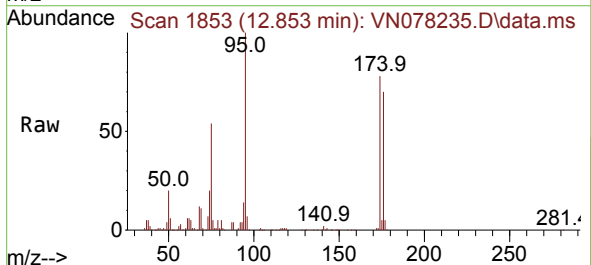
Instrument :
MSVOA_N
ClientSampleId :
FSND-DUP-2-06132023

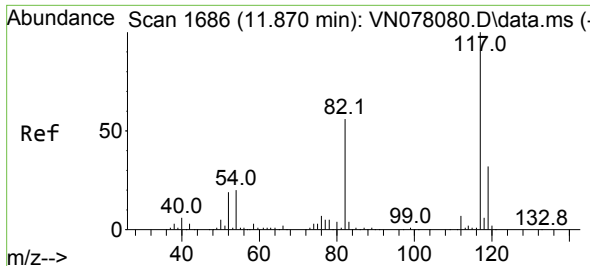
Tgt Ion: 98 Resp: 917610
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.810 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

Tgt Ion: 95 Resp: 279316
Ion Ratio Lower Upper
95 100
174 77.0 0.0 143.8
176 70.5 0.0 135.8

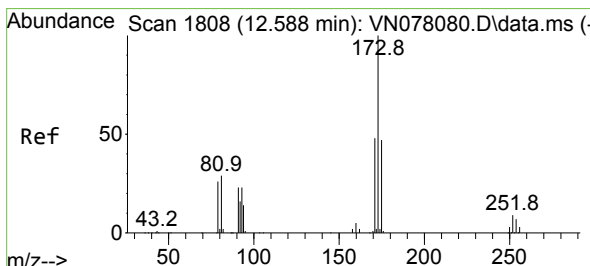
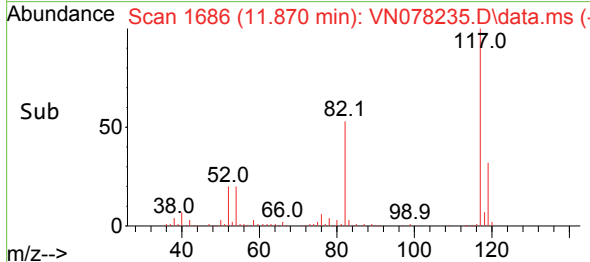
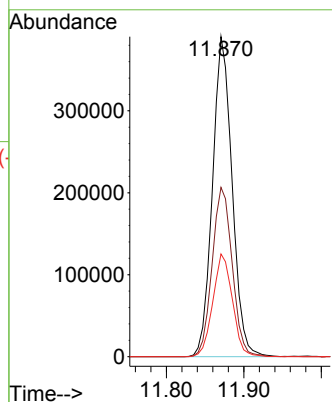
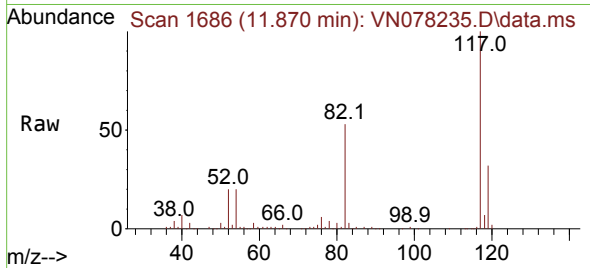




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

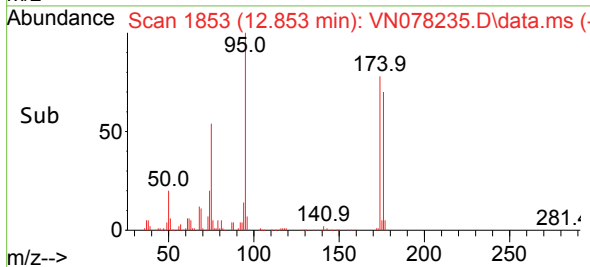
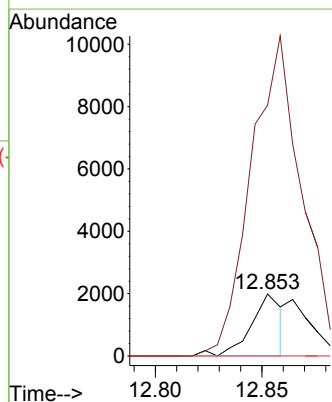
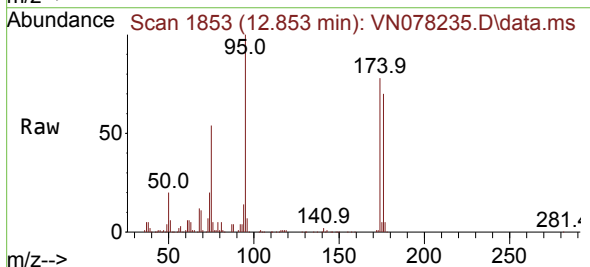
Instrument :
MSVOA_N
ClientSampleId :
FSND-DUP-2-06132023

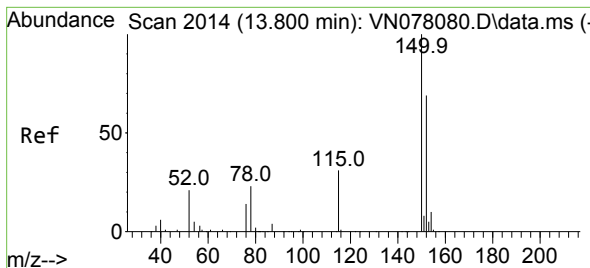
Tgt Ion:117 Resp: 689455
Ion Ratio Lower Upper
117 100
82 52.9 44.0 66.0
119 32.1 25.6 38.4



#71
Bromoform
Concen: 0.572 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

Tgt Ion:173 Resp: 2005
Ion Ratio Lower Upper
173 100
175 678.7 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN078235.D

Acq: 15 Jun 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

FSND-DUP-2-06132023

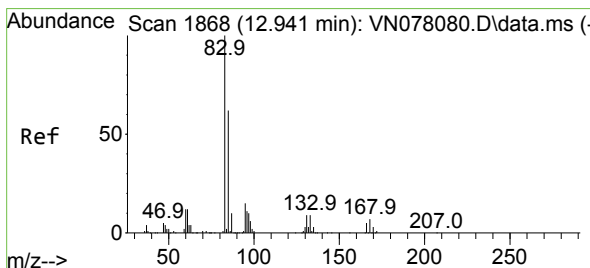
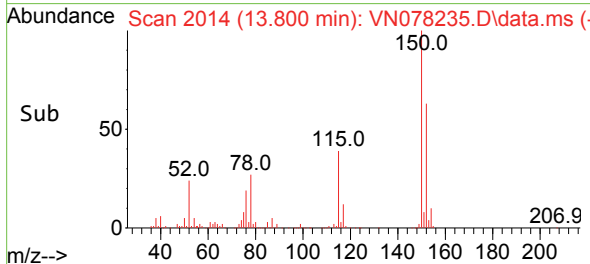
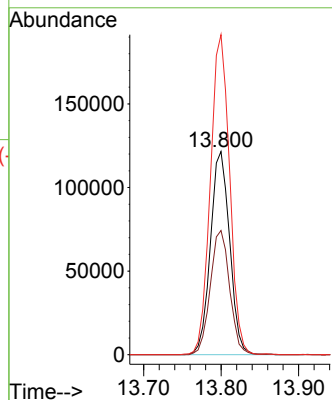
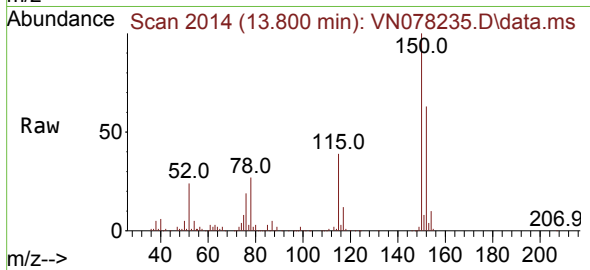
Tgt Ion:152 Resp: 209629

Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 157.2 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.859 min Scan# 1854

Delta R.T. -0.082 min

Lab File: VN078235.D

Acq: 15 Jun 2023 17:57

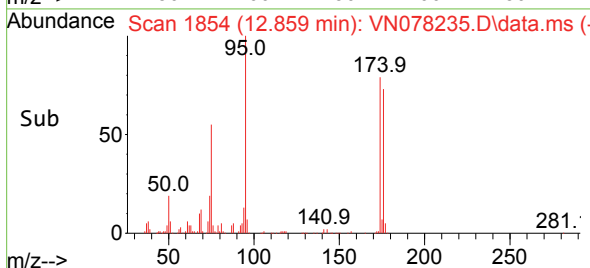
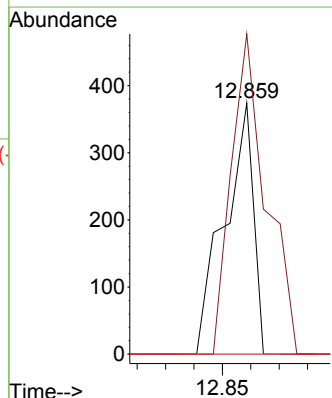
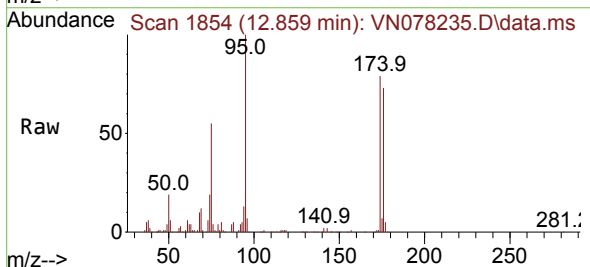
Tgt Ion: 83 Resp: 265

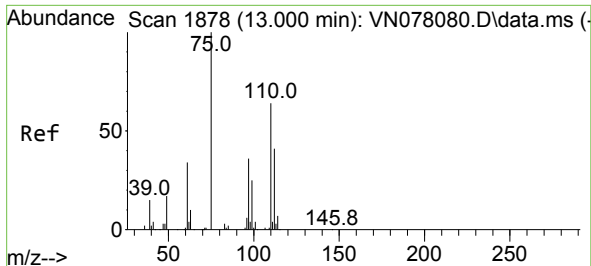
Ion Ratio Lower Upper

83 100

131 153.6 5.0 15.0#

85 0.0 31.9 95.7#

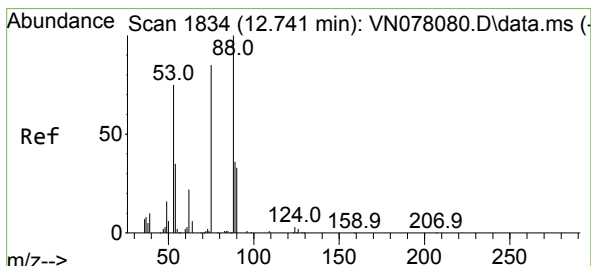
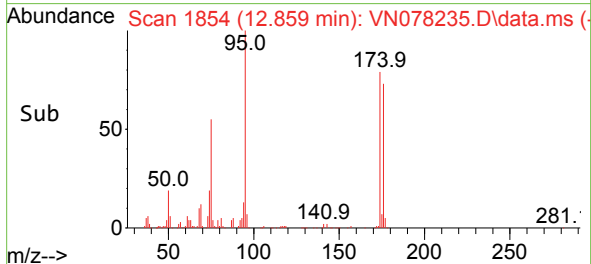
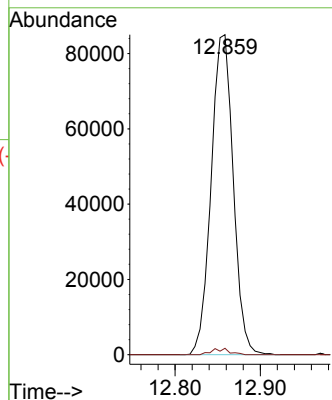
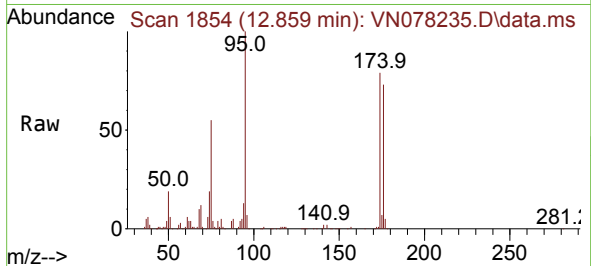




#76
1,2,3-Trichloropropane
Concen: 30.867 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

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

Tgt Ion: 75 Resp: 152966
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.832 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN078235.D
Acq: 15 Jun 2023 17:57

Tgt Ion: 75 Resp: 152966
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

