

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074996.D
 Acq On : 24 Oct 2022 20:15
 Operator : JC\MD
 Sample : N5249-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

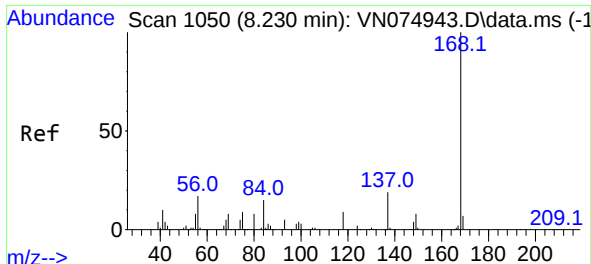
Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-31-20221019

Quant Time: Oct 25 06:52:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	2568589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	4529711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	5014361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3060529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	3087479	45.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.480%		
35) Dibromofluoromethane	8.171	113	2358733	43.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.500%		
50) Toluene-d8	10.571	98	10633242	51.403	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.800%		
62) 4-Bromofluorobenzene	12.853	95	3523679	48.291	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.580%		
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	2963	Below Cal	#	65
4) Vinyl Chloride	2.524	62	570	Below Cal	#	68
5) Bromomethane	2.918	94	6051	Below Cal		88
6) Chloroethane	3.101	64	9117	Below Cal	#	40
7) Trichlorofluoromethane	3.289	101	194	Below Cal	#	18
12) 1,1-Dichloroethene	4.348	96	582	Below Cal	#	49
13) Acrolein	4.206	56	859	Below Cal	#	60
16) Acetone	4.459	43	5997	Below Cal	#	49
17) Carbon Disulfide	4.724	76	2374	Below Cal	#	30
20) Methylene Chloride	5.283	84	954	Below Cal	#	18
21) trans-1,2-Dichloroethene	5.800	96	271	Below Cal	#	1
31) Cyclohexane	8.230	56	68626	0.984	ug/l #	38
36) 1,1-Dichloropropene	8.230	75	240036	3.535	ug/l #	49
38) Carbon Tetrachloride	8.230	117	295039	3.992	ug/l #	16
44) Trichloroethene	9.353	130	343210	6.680	ug/l	91
51) 4-Methyl-2-Pentanone	10.571	43	41849	0.509	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.065	63	134	3.612	ug/l #	45
71) Bromoform	12.847	173	28040	0.650	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	1936972	23.338	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	1936972	74.825	ug/l #	10

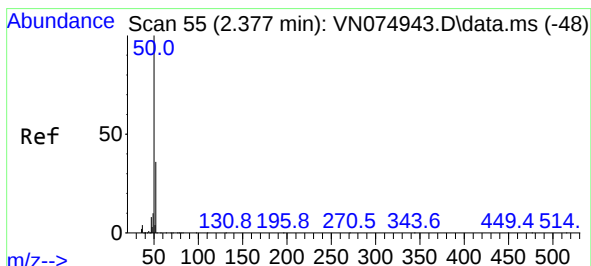
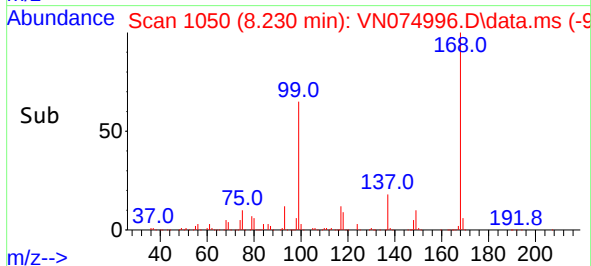
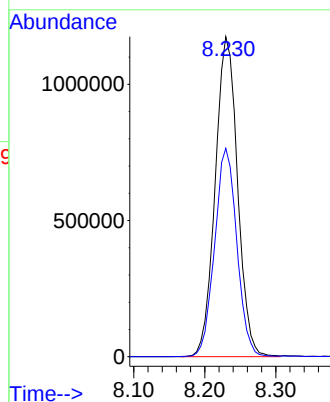
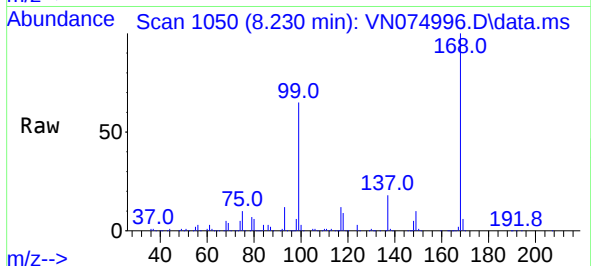
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

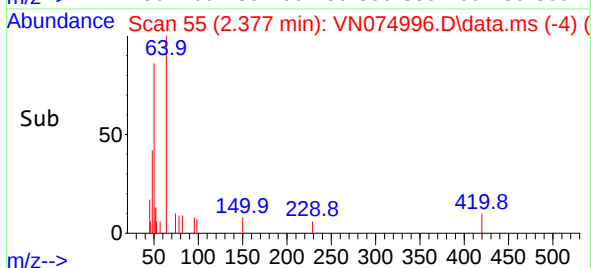
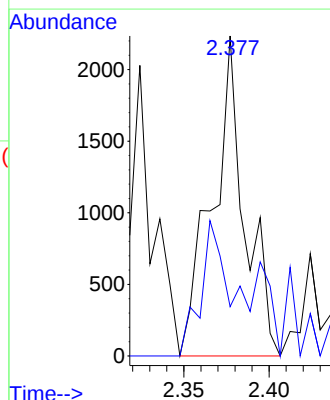
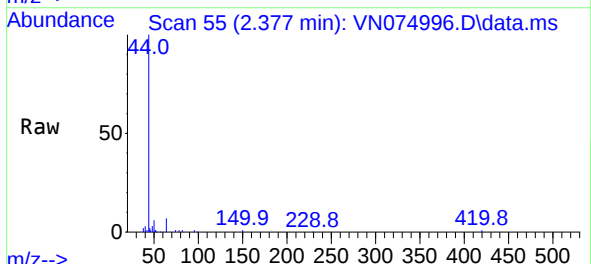
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20221019

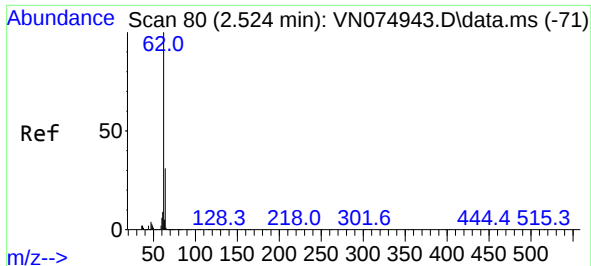
Tgt Ion:168 Resp: 2568589
Ion Ratio Lower Upper
168 100
99 65.1 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 55
Delta R.T. 0.000 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion: 50 Resp: 2963
Ion Ratio Lower Upper
50 100
52 15.4 28.8 43.2#

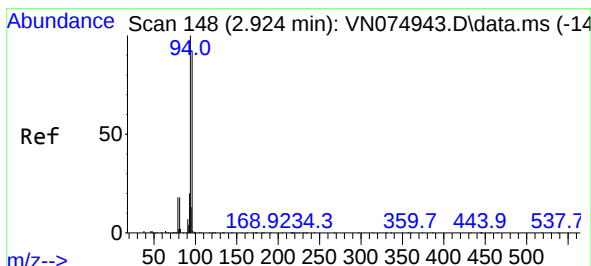
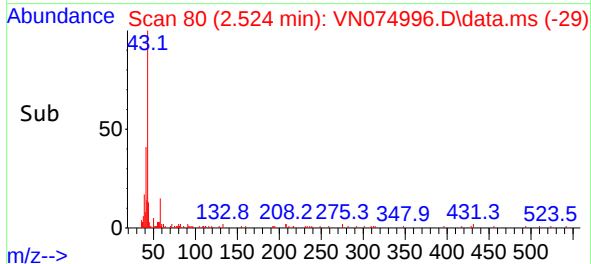
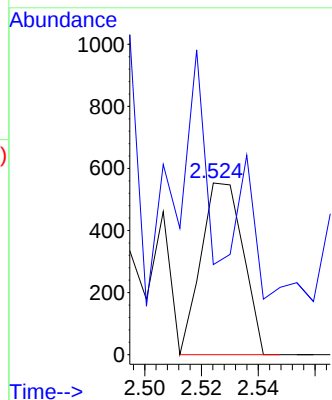
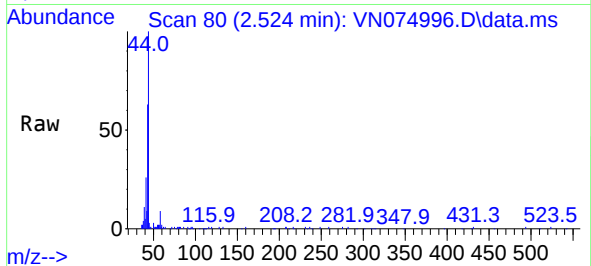




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.524 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VN074996.D
 Acq: 24 Oct 2022 20:15

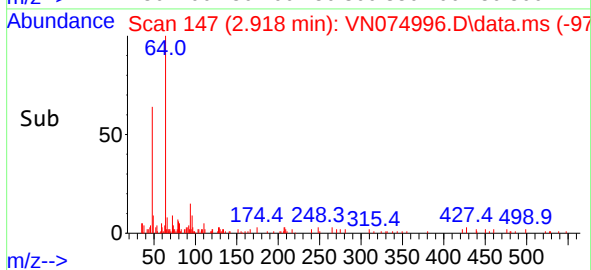
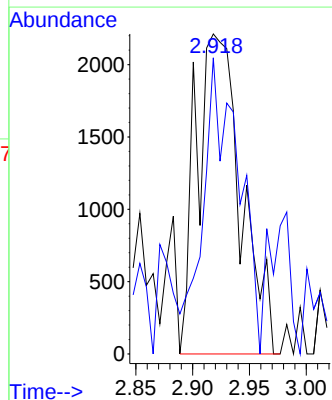
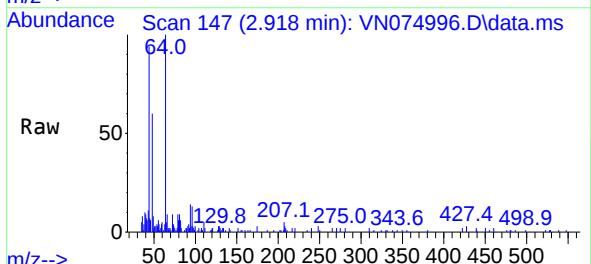
Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-31-20221019

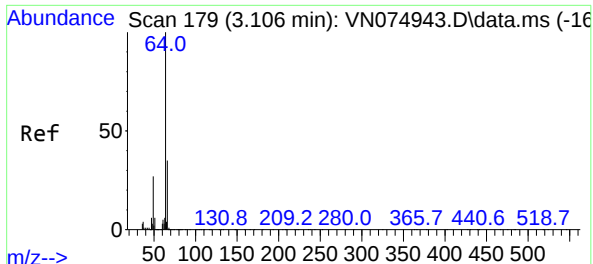
Tgt Ion: 62 Resp: 570
 Ion Ratio Lower Upper
 62 100
 64 13.2 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.918 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VN074996.D
 Acq: 24 Oct 2022 20:15

Tgt Ion: 94 Resp: 6051
 Ion Ratio Lower Upper
 94 100
 96 80.0 73.5 110.3

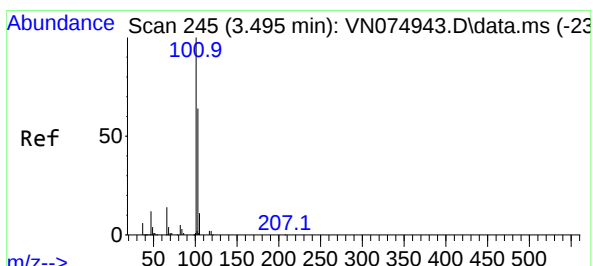
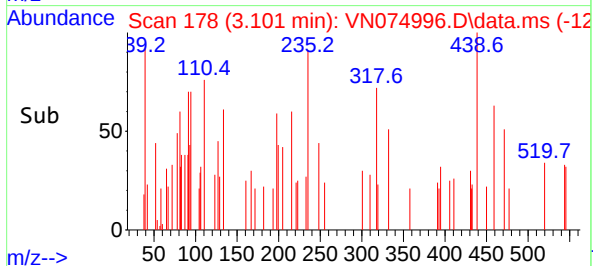
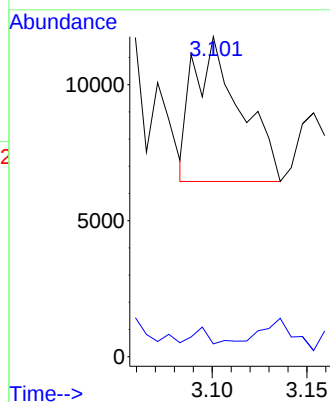
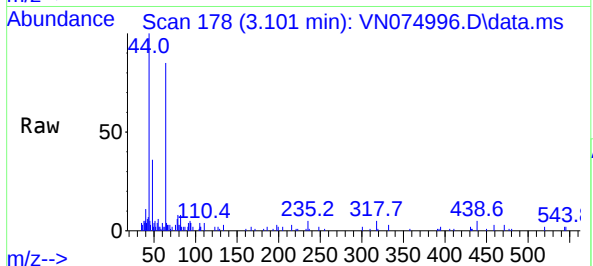




#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

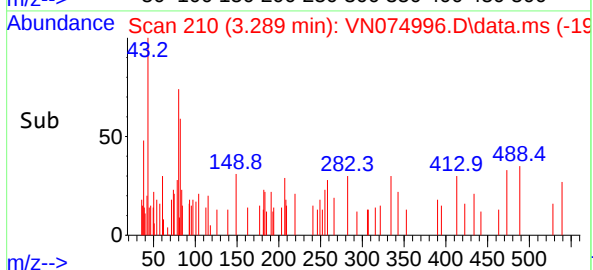
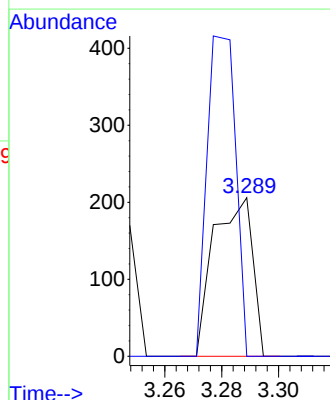
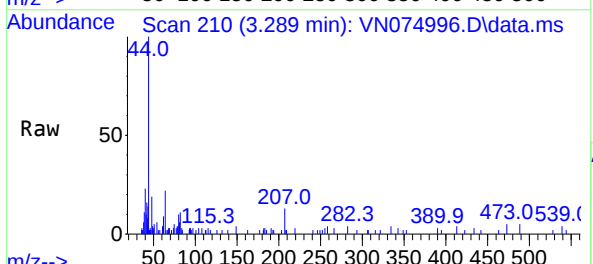
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20221019

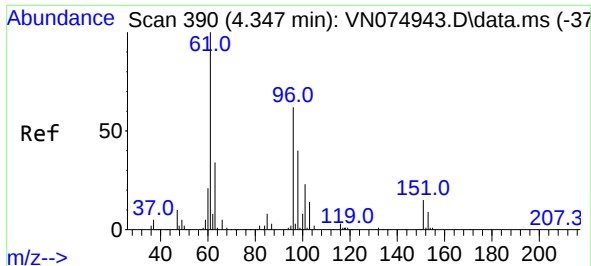
Tgt Ion: 64 Resp: 9117
Ion Ratio Lower Upper
64 100
66 0.0 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.289 min Scan# 210
Delta R.T. -0.206 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion:101 Resp: 194
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#

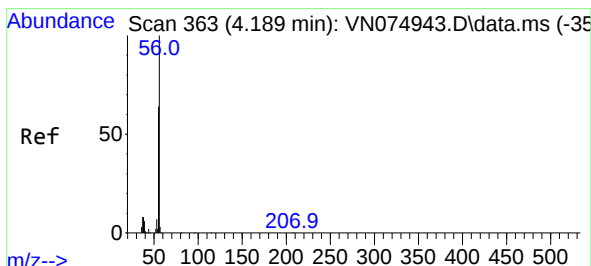
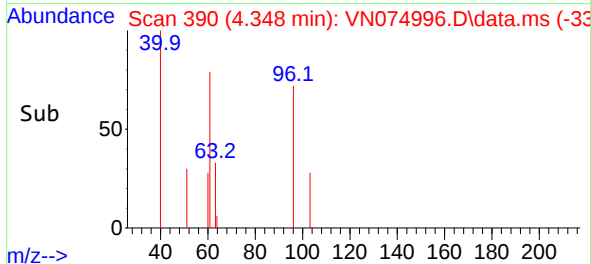
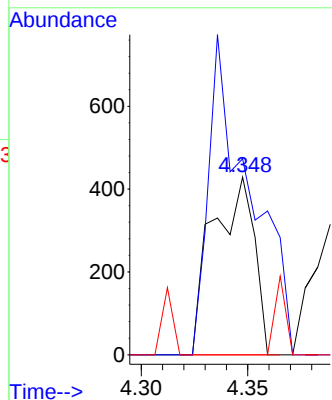
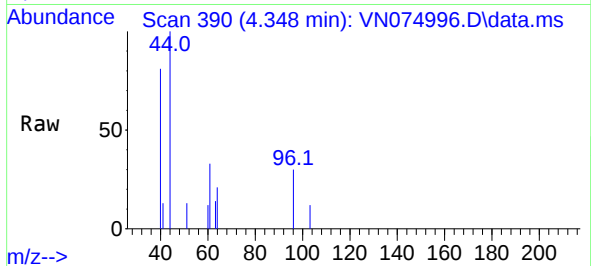




#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.348 min Scan# 390
Delta R.T. 0.001 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

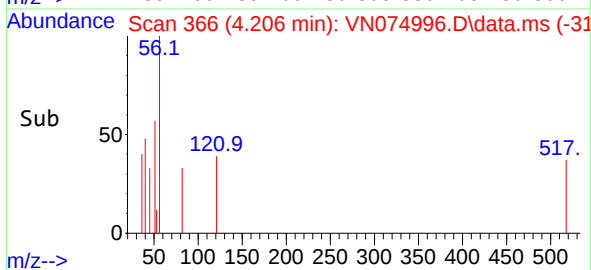
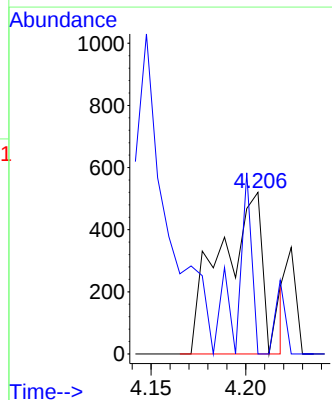
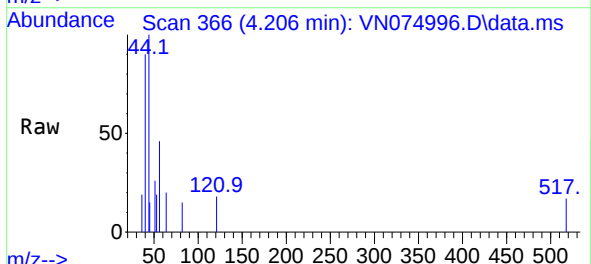
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20221019

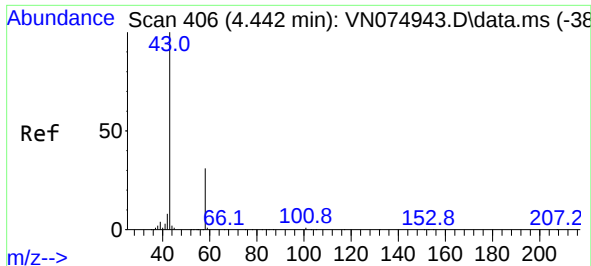
Tgt Ion: 96 Resp: 582
Ion Ratio Lower Upper
96 100
61 110.3 128.9 193.3#
98 0.0 51.8 77.8#



#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 366
Delta R.T. 0.017 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion: 56 Resp: 859
Ion Ratio Lower Upper
56 100
55 35.4 53.7 80.5#

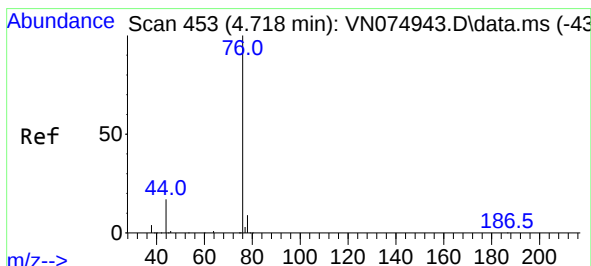
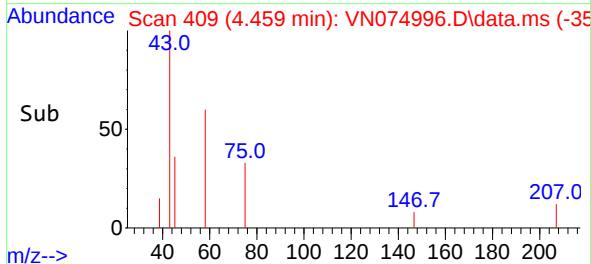
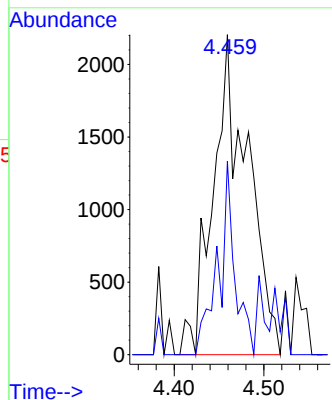
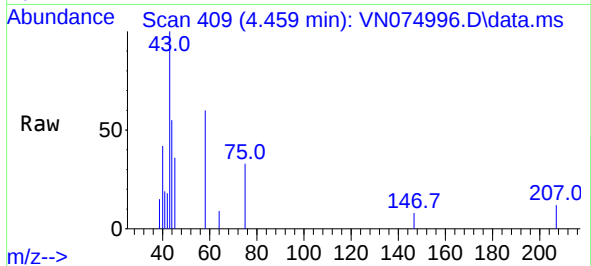




#16
Acetone
Concen: Below Cal
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

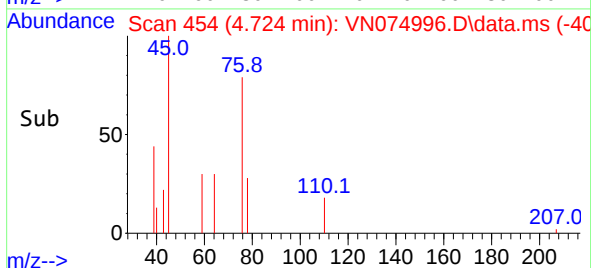
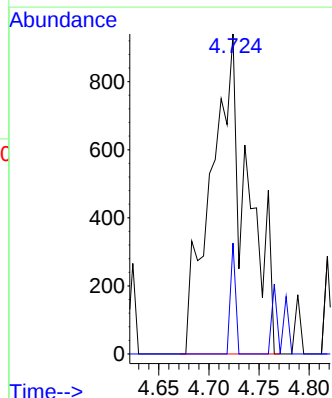
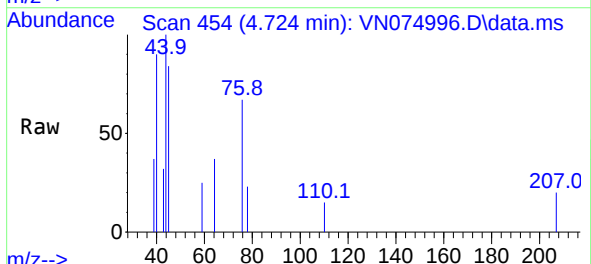
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20221019

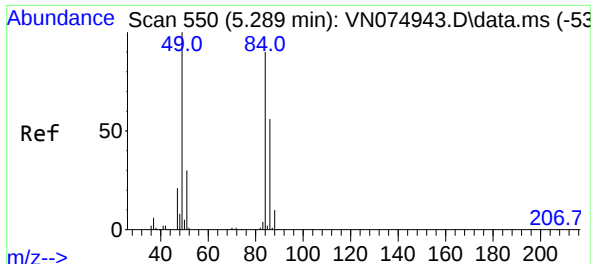
Tgt Ion: 43 Resp: 5997
Ion Ratio Lower Upper
43 100
58 60.5 25.7 38.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.724 min Scan# 454
Delta R.T. 0.006 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion: 76 Resp: 2374
Ion Ratio Lower Upper
76 100
78 34.7 7.4 11.2#

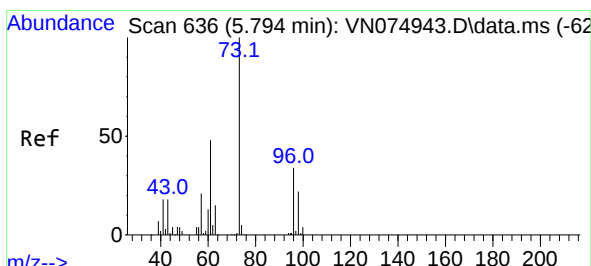
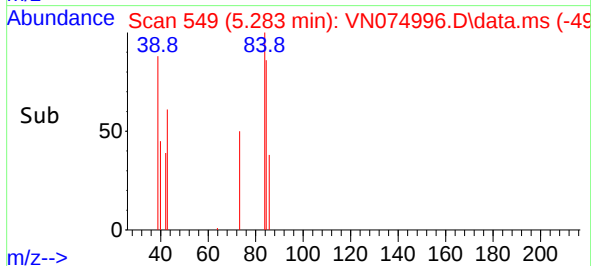
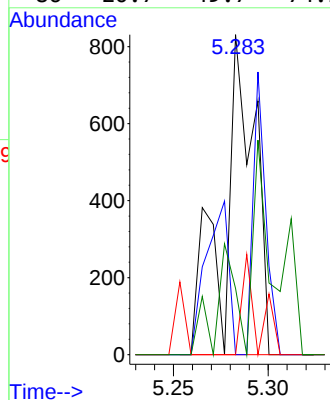
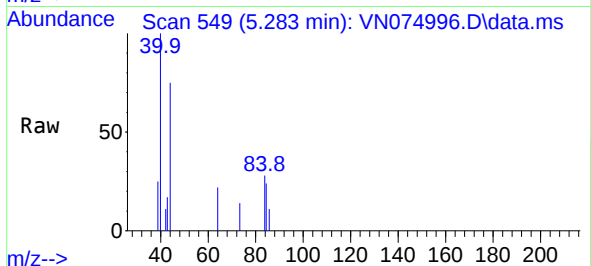




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

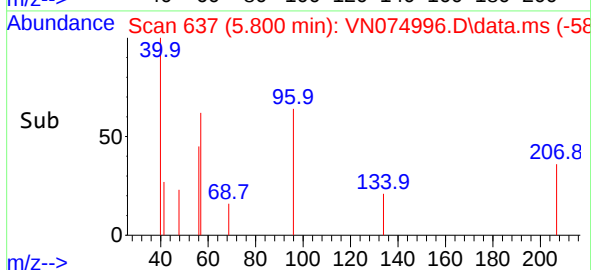
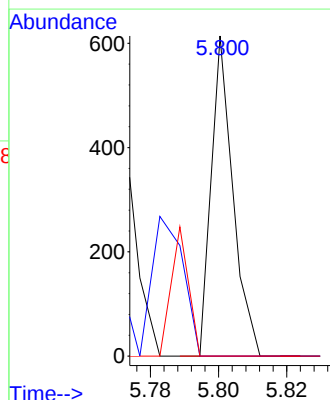
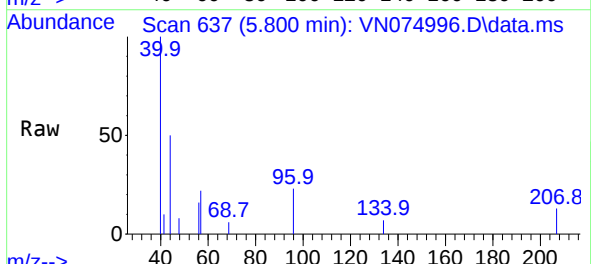
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20221019

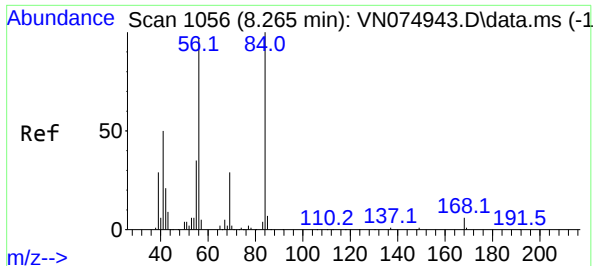
Tgt Ion: 84 Resp: 954
Ion Ratio Lower Upper
84 100
49 0.0 88.6 133.0#
51 0.0 26.7 40.1#
86 20.7 49.7 74.5#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.800 min Scan# 637
Delta R.T. 0.006 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion: 96 Resp: 271
Ion Ratio Lower Upper
96 100
61 0.0 112.6 169.0#
98 0.0 52.4 78.6#

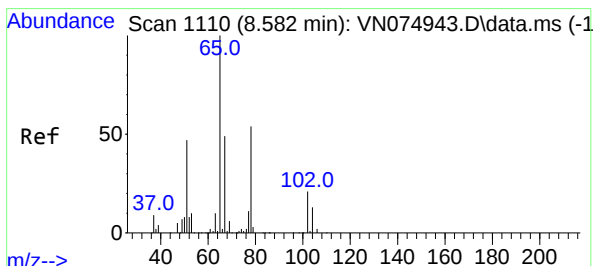
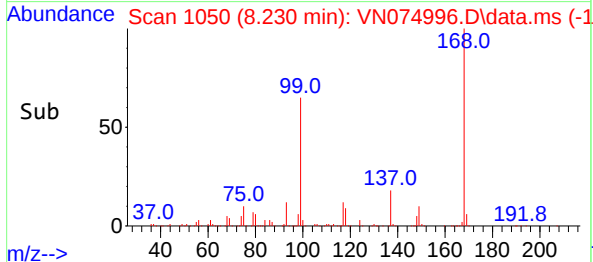
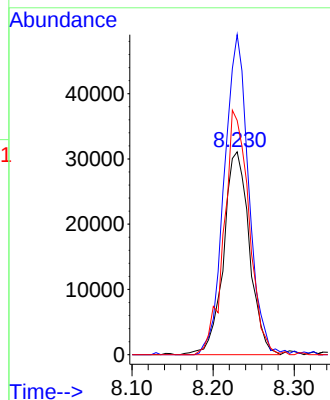
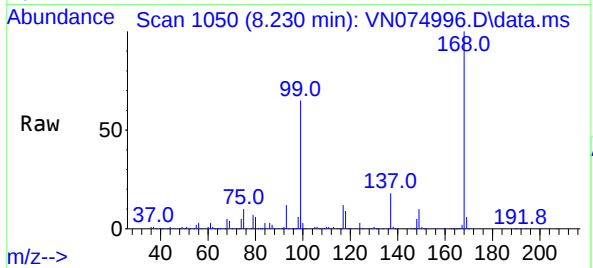




#31
Cyclohexane
Concen: 0.984 ug/l
RT: 8.230 min Scan# 11050
Delta R.T. -0.035 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

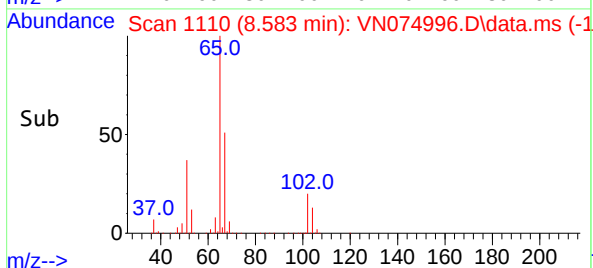
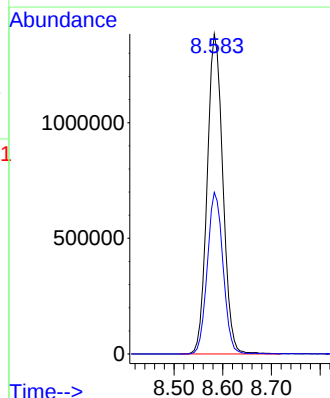
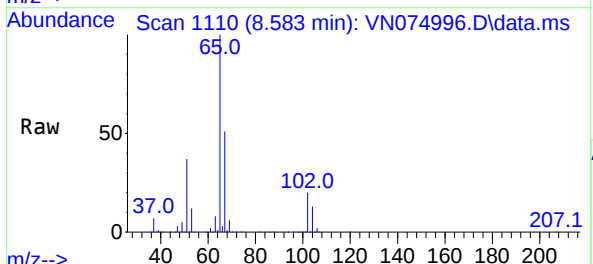
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20221019

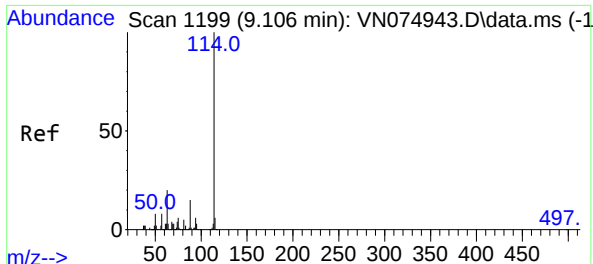
Tgt Ion: 56 Resp: 68626
Ion Ratio Lower Upper
56 100
69 157.7 24.2 36.2#
84 115.4 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 45.241 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion: 65 Resp: 3087479
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.6

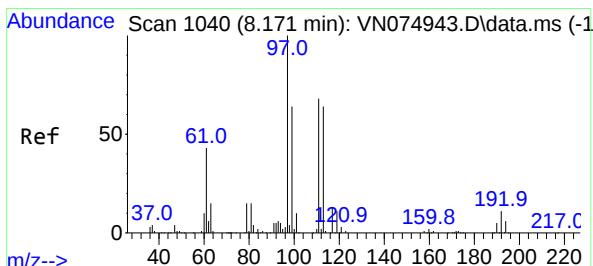
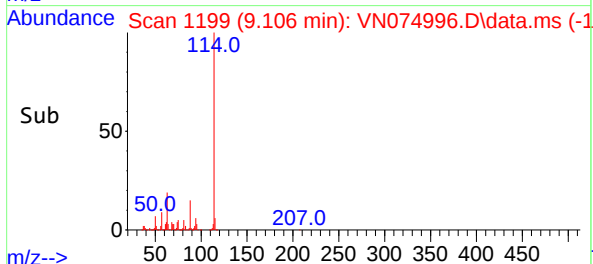
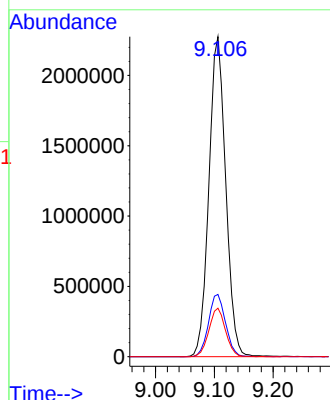
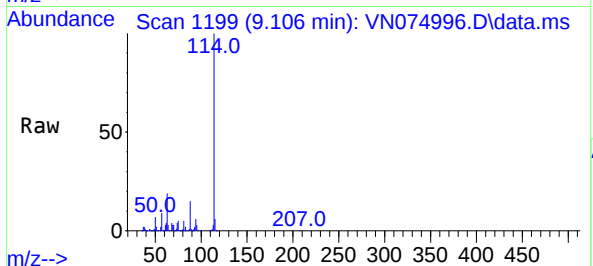




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

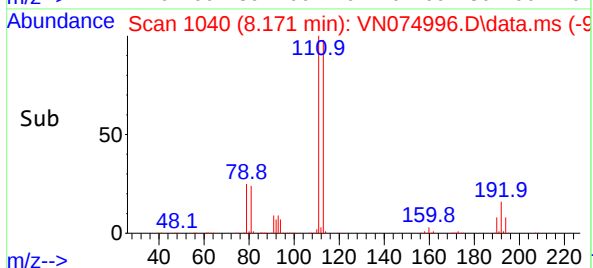
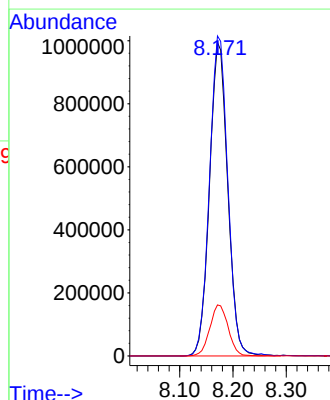
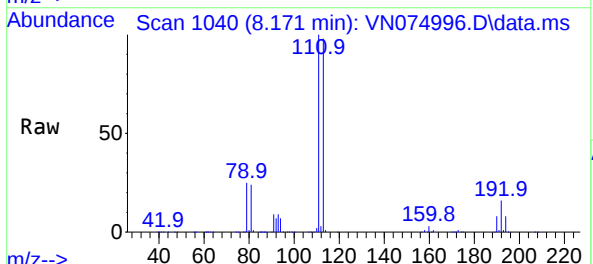
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20221019

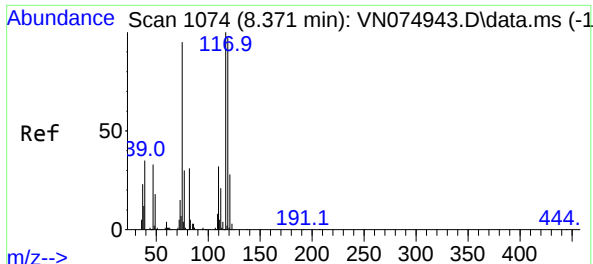
Tgt Ion:114 Resp: 4529711
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.8
88 15.2 0.0 30.4



#35
Dibromofluoromethane
Concen: 43.749 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion:113 Resp: 2358733
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.2
192 16.4 13.3 19.9

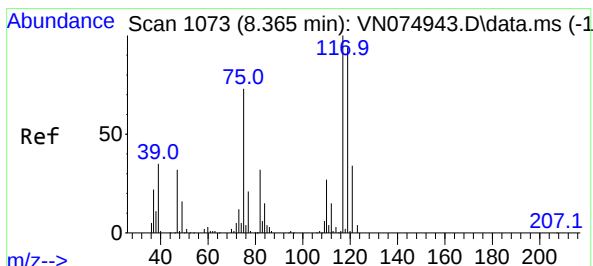
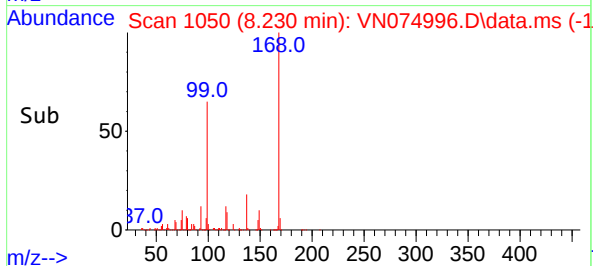
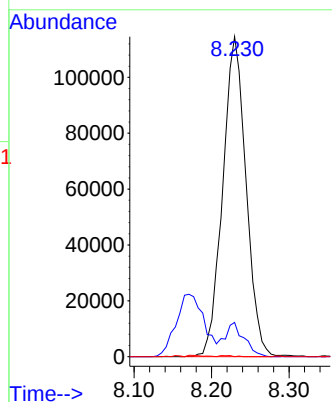
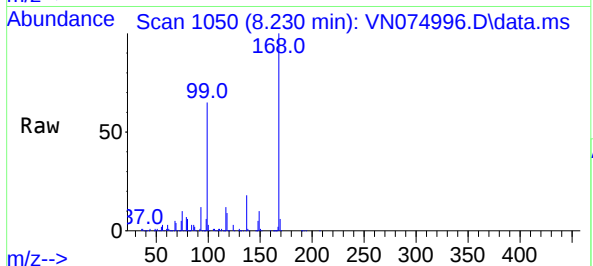




#36
1,1-Dichloropropene
Concen: 3.535 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

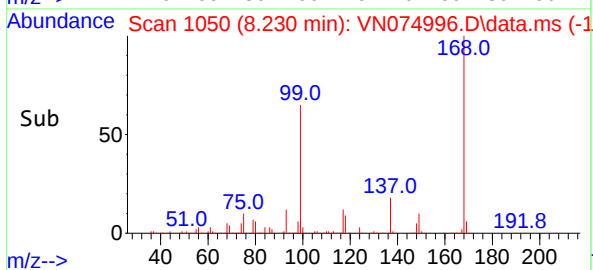
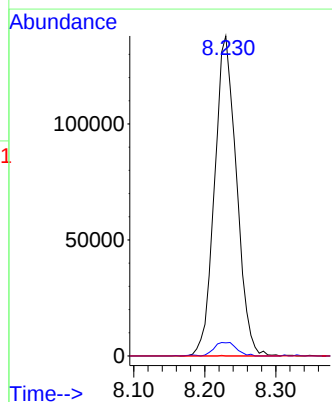
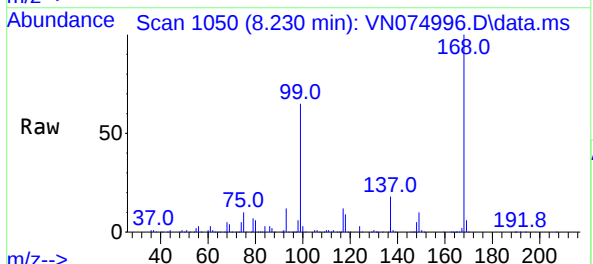
Instrument : MSVOA_N
ClientSampleId : FSND-MW-31-20221019

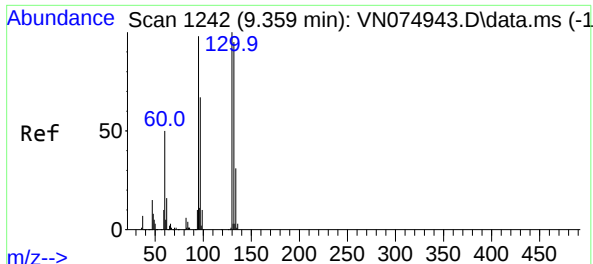
Tgt Ion: 75 Resp: 240036
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.2 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 3.992 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion: 117 Resp: 295039
Ion Ratio Lower Upper
117 100
119 4.1 75.2 112.8#
121 0.0 27.0 40.6#





#44

Trichloroethene

Concen: 6.680 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN074996.D

Acq: 24 Oct 2022 20:15

Instrument :

MSVOA_N

ClientSampleId :

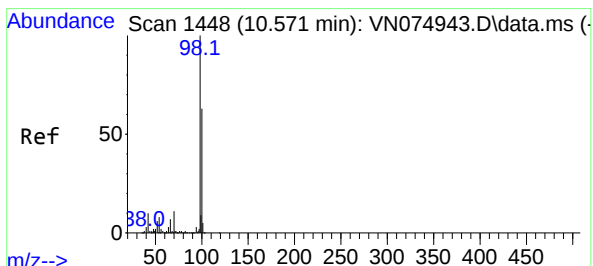
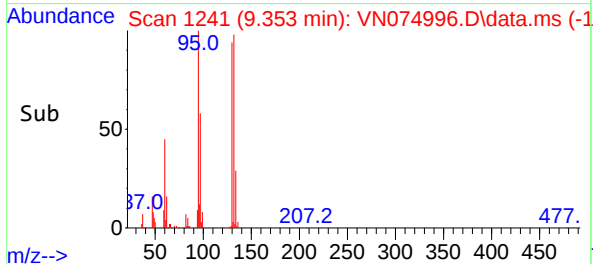
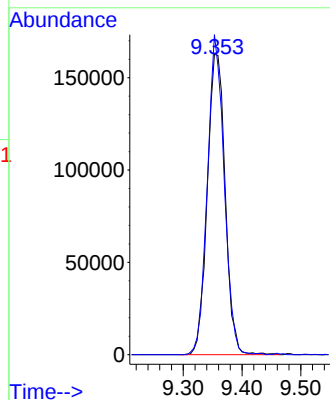
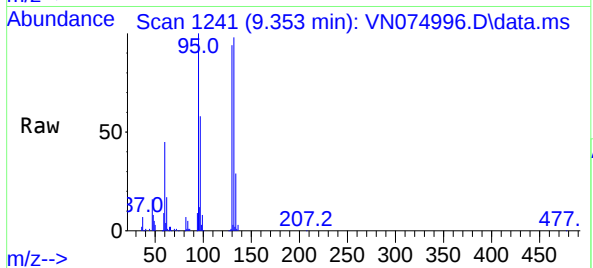
FSND-MW-31-20221019

Tgt Ion:130 Resp: 343210

Ion Ratio Lower Upper

130 100

95 106.6 0.0 195.8



#50

Toluene-d8

Concen: 51.403 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN074996.D

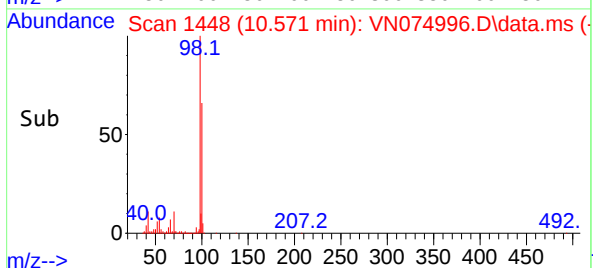
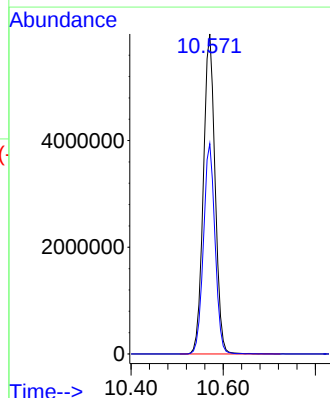
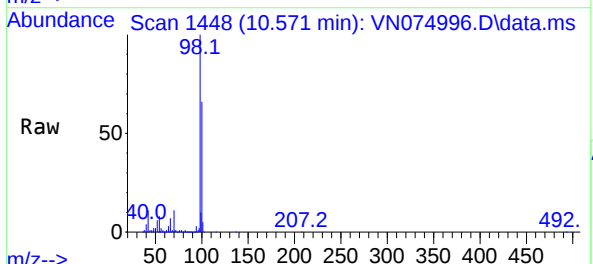
Acq: 24 Oct 2022 20:15

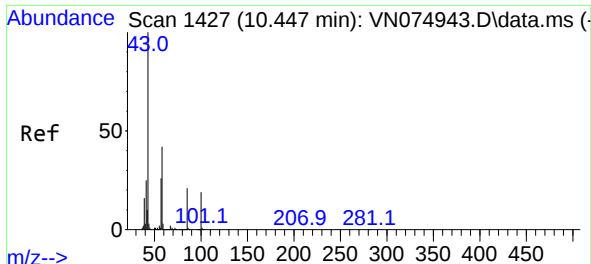
Tgt Ion: 98 Resp:10633242

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 0.509 ug/l

RT: 10.571 min Scan# 14

Delta R.T. 0.124 min

Lab File: VN074996.D

Acq: 24 Oct 2022 20:15

Instrument :

MSVOA_N

ClientSampleId :

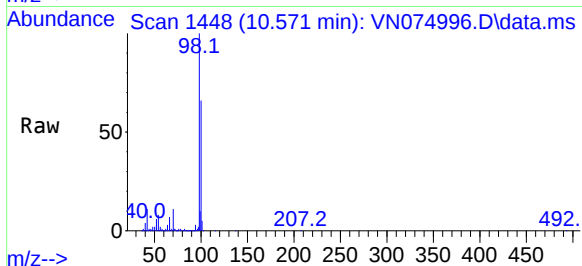
FSND-MW-31-20221019

Tgt Ion: 43 Resp: 41849

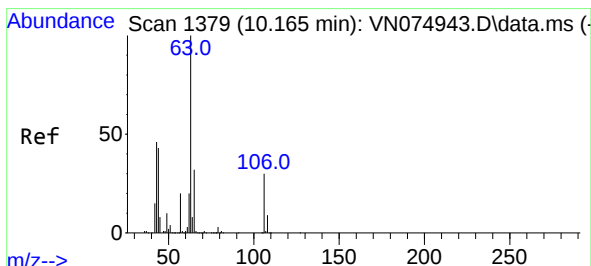
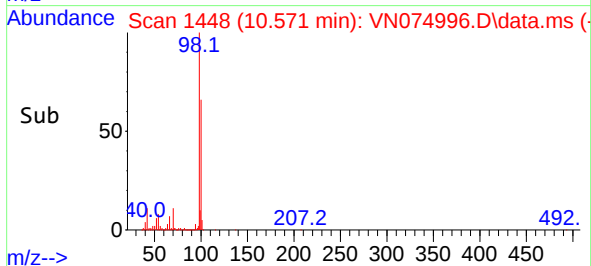
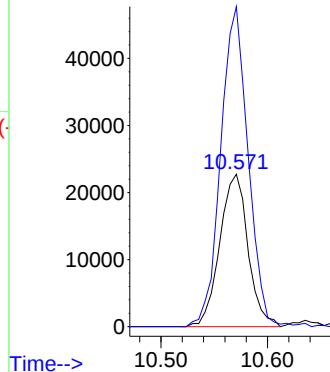
Ion Ratio Lower Upper

43 100

58 204.0 33.6 50.4#



Abundance



#58

2-Chloroethyl Vinyl ether

Concen: 3.612 ug/l

RT: 10.065 min Scan# 1362

Delta R.T. -0.100 min

Lab File: VN074996.D

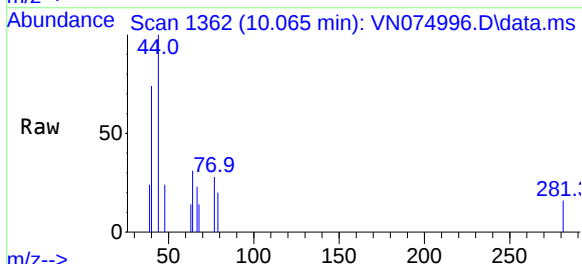
Acq: 24 Oct 2022 20:15

Tgt Ion: 63 Resp: 134

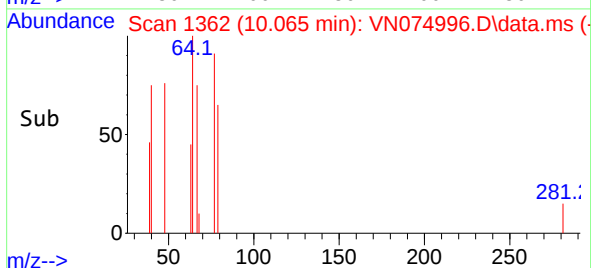
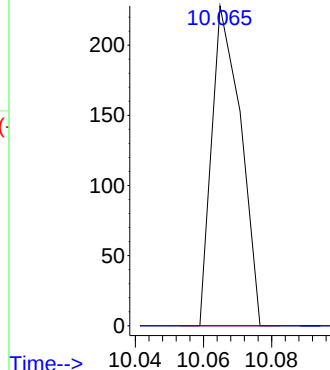
Ion Ratio Lower Upper

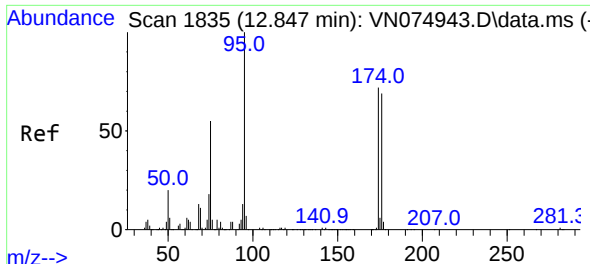
63 100

106 0.0 24.1 36.1#



Abundance

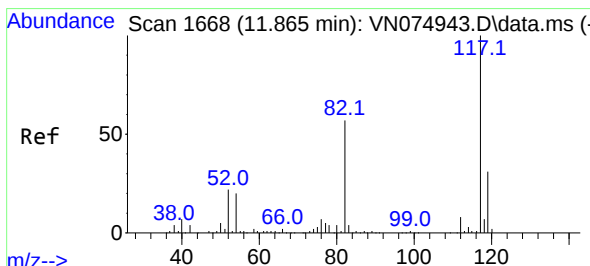
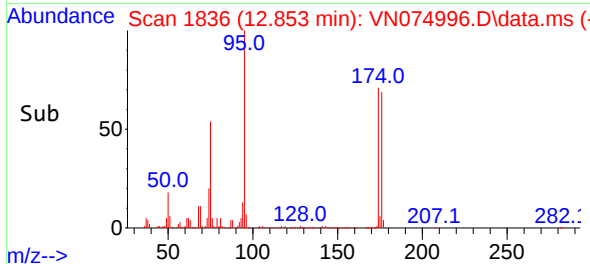
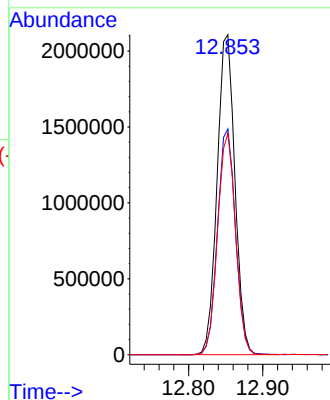
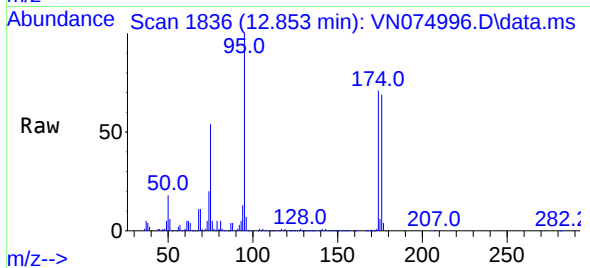




#62
4-Bromofluorobenzene
Concen: 48.291 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

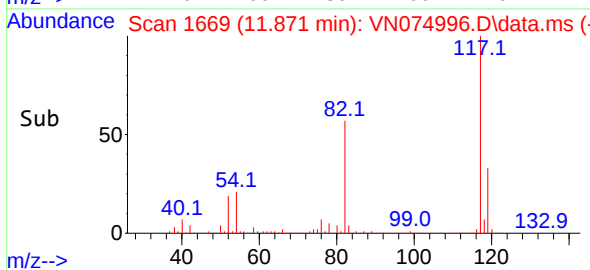
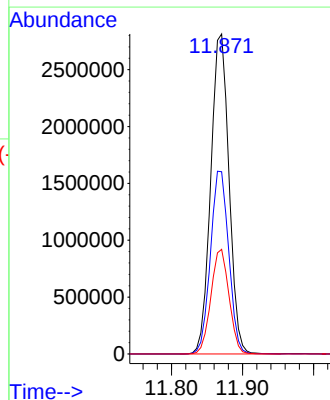
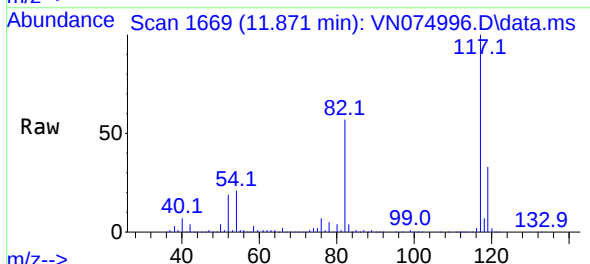
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20221019

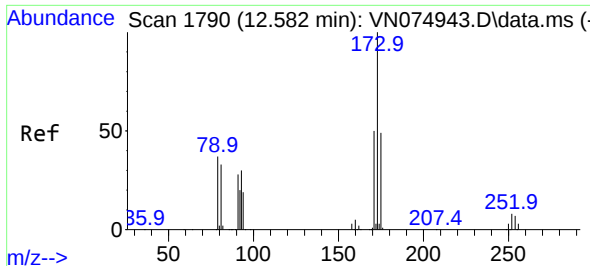
Tgt Ion: 95 Resp: 3523679
Ion Ratio Lower Upper
95 100
174 71.2 0.0 143.0
176 69.2 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion: 117 Resp: 5014361
Ion Ratio Lower Upper
117 100
82 57.0 45.6 68.4
119 32.7 25.1 37.7

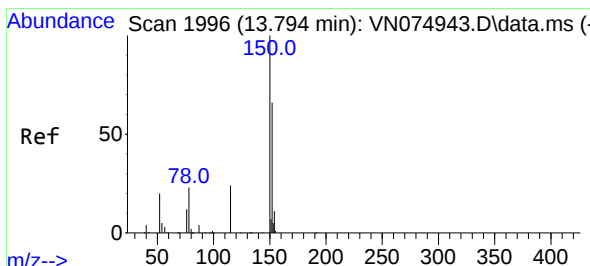
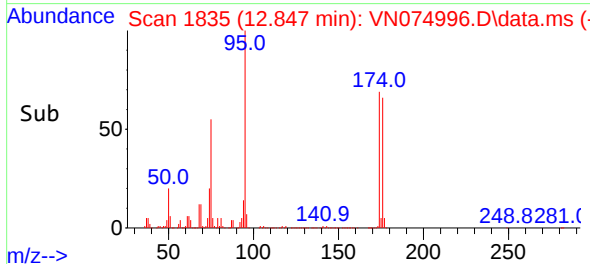
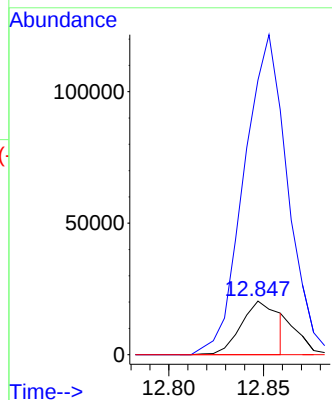
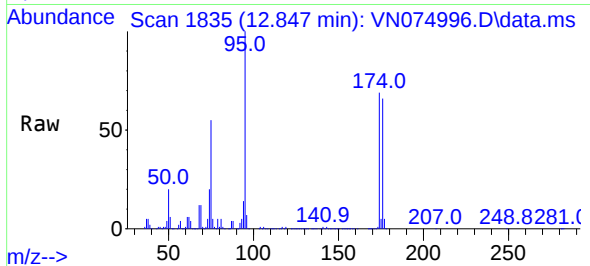




#71
Bromoform
Concen: 0.650 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

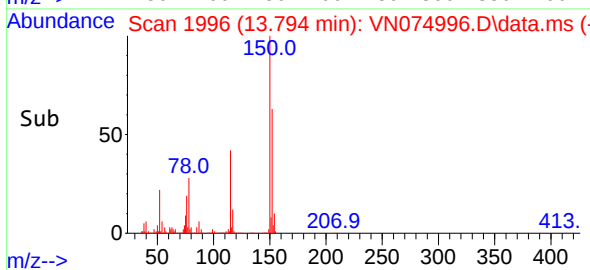
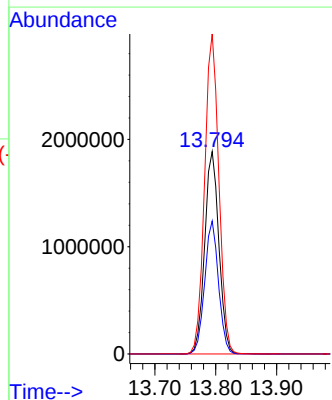
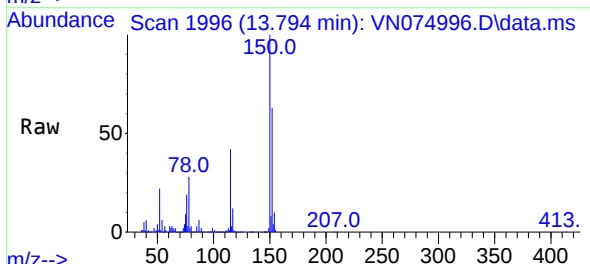
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20221019

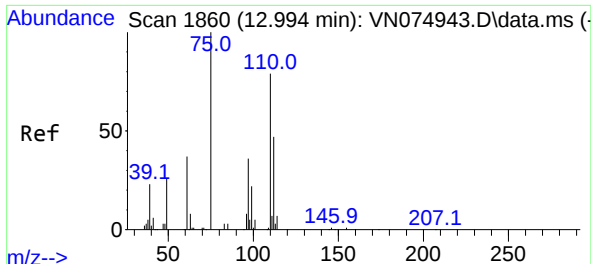
Tgt Ion:173 Resp: 28040
Ion Ratio Lower Upper
173 100
175 583.7 24.8 74.3#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion:152 Resp: 3060529
Ion Ratio Lower Upper
152 100
115 63.8 31.3 93.8
150 157.9 0.0 349.6

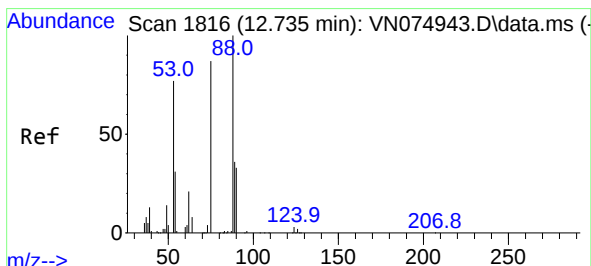
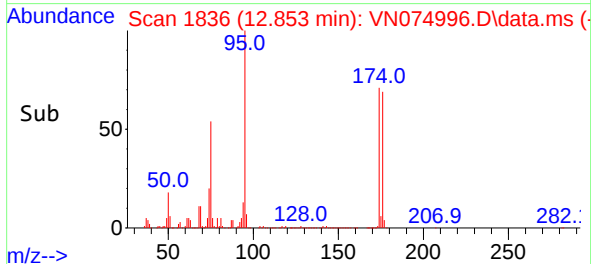
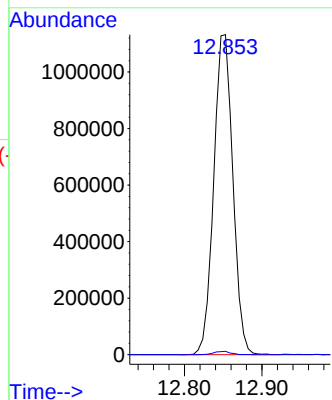
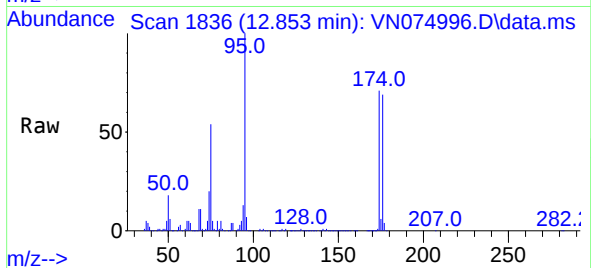




#76
1,2,3-Trichloropropane
Concen: 23.338 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Instrument : MSVOA_N
ClientSampleId : FSND-MW-31-20221019

Tgt Ion: 75 Resp: 1936972
Ion Ratio Lower Upper
75 100
77 0.9 81.0 243.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.825 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074996.D
Acq: 24 Oct 2022 20:15

Tgt Ion: 75 Resp: 1936972
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#

