

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074994.D
 Acq On : 24 Oct 2022 19:26
 Operator : JC\MD
 Sample : N5249-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-29-20221019

Quant Time: Oct 25 06:52:07 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)

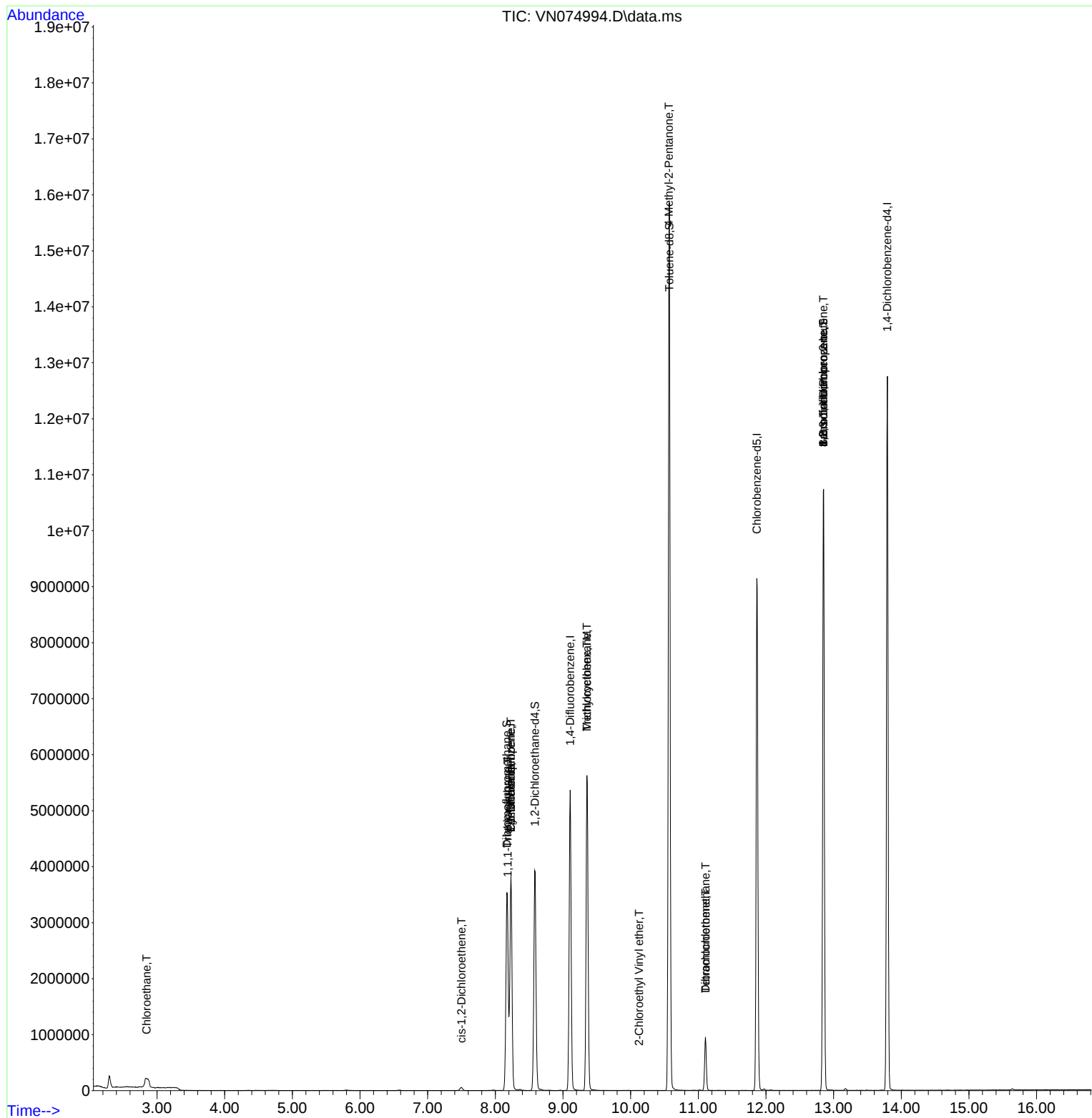
Internal Standards						
1) Pentafluorobenzene	8.230	168	2630812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	4602733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	5222328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3257042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	3172675	45.390	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.780%
35) Dibromofluoromethane	8.171	113	2387423	43.579	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.160%
50) Toluene-d8	10.571	98	10875232	51.739	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.480%
62) 4-Bromofluorobenzene	12.847	95	3703884	49.955	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.920%
Target Compounds						Qvalue
3) Chloromethane	2.377	50	2484	Below Cal		91
4) Vinyl Chloride	2.524	62	227	Below Cal	#	4
5) Bromomethane	2.936	94	5053	Below Cal	#	77
6) Chloroethane	2.848	64	164141	1.231 ug/l	#	48
7) Trichlorofluoromethane	3.271	101	74	Below Cal	#	74
9) 1,1,2-Trichlorotrifluo...	4.253	101	54	Below Cal	#	19
12) 1,1-Dichloroethene	4.359	96	2535	Below Cal	#	21
13) Acrolein	4.189	56	60	Below Cal	#	1
16) Acetone	4.471	43	4832	Below Cal		95
17) Carbon Disulfide	4.724	76	936	Below Cal	#	74
20) Methylene Chloride	5.300	84	659	Below Cal	#	10
21) trans-1,2-Dichloroethene	5.783	96	2145	Below Cal	#	28
27) cis-1,2-Dichloroethene	7.500	96	31265	0.532 ug/l		89
31) Cyclohexane	8.230	56	67214	0.941 ug/l	#	18
32) 1,1,1-Trichloroethane	8.183	97	117298	1.274 ug/l	#	47
36) 1,1-Dichloropropene	8.230	75	236737	3.431 ug/l	#	49
39) Methylcyclohexane	9.353	83	26829	0.328 ug/l	#	1
44) Trichloroethene	9.353	130	1914624	36.675 ug/l		96
51) 4-Methyl-2-Pentanone	10.565	43	44074	0.528 ug/l	#	1
58) 2-Chloroethyl Vinyl ether	10.124	63	245	3.615 ug/l	#	45
60) Dibromochloromethane	11.106	129	198995	3.255 ug/l	#	11
64) Tetrachloroethene	11.106	164	200869	4.704 ug/l		99
71) Bromoform	12.847	173	31952	0.711 ug/l	#	1
76) 1,2,3-Trichloropropane	12.847	75	2025362	22.930 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	2025362	73.519 ug/l	#	10

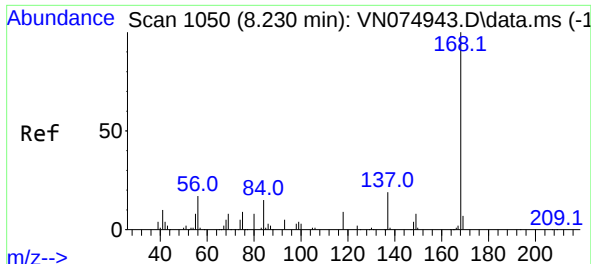
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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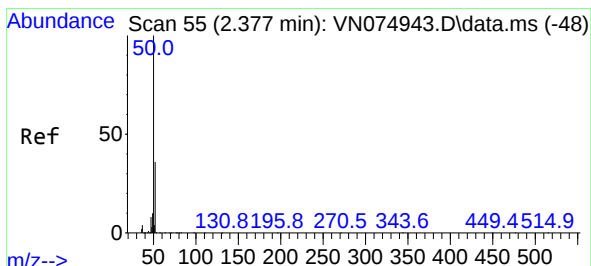
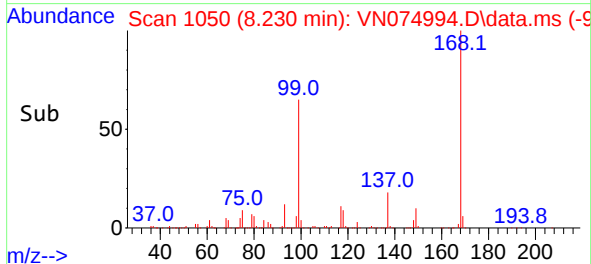
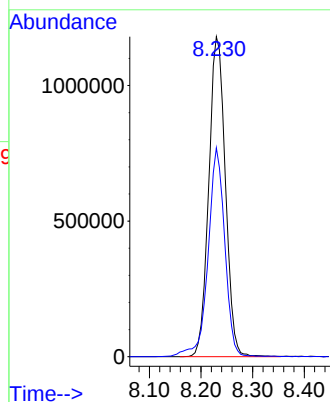
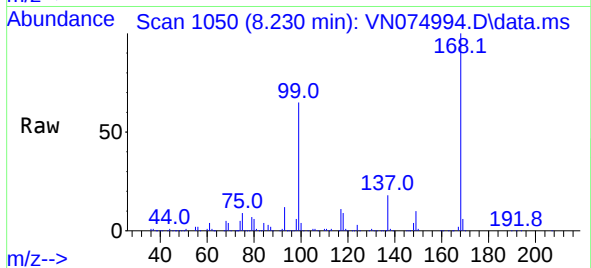




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

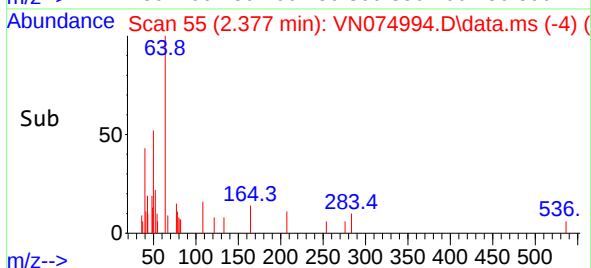
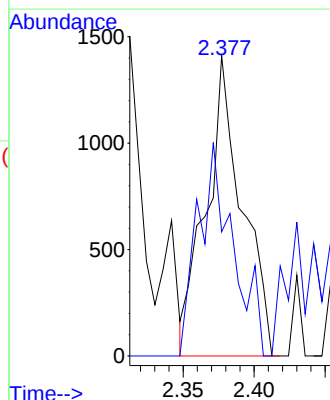
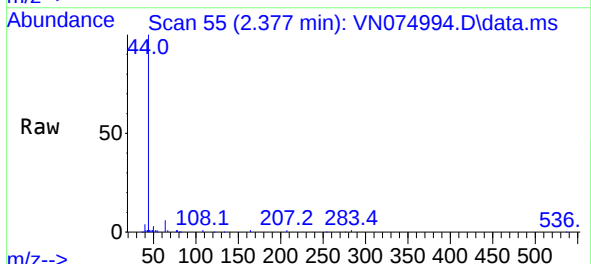
Instrument :
MSVOA_N
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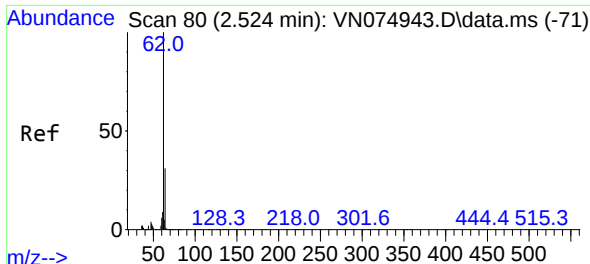
Tgt Ion:168 Resp: 2630812
Ion Ratio Lower Upper
168 100
99 65.2 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 55
Delta R.T. 0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 50 Resp: 2484
Ion Ratio Lower Upper
50 100
52 41.4 28.8 43.2

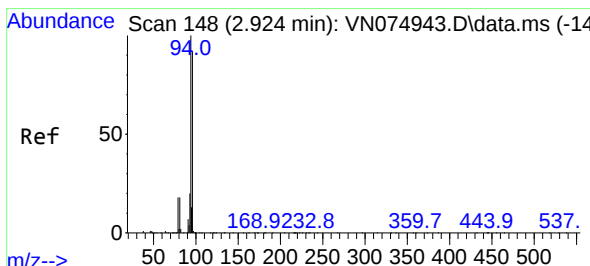
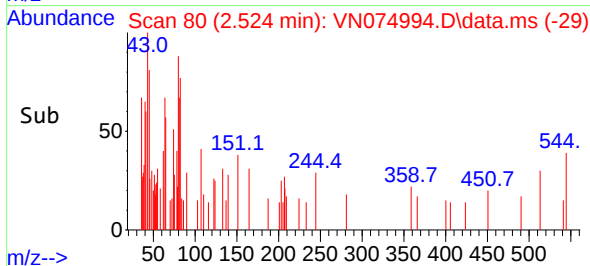
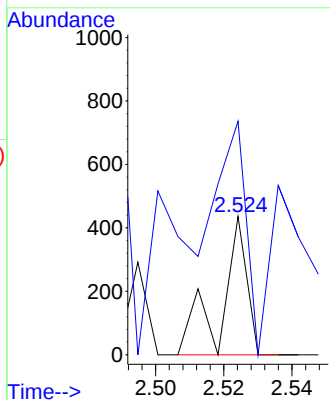
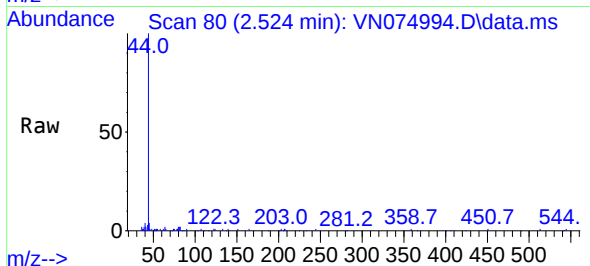




#4
Vinyl Chloride
Concen: Below Cal
RT: 2.524 min Scan# 80
Delta R.T. 0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

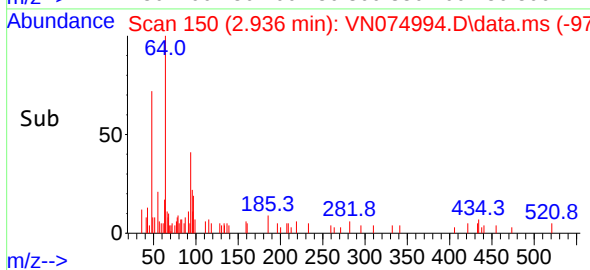
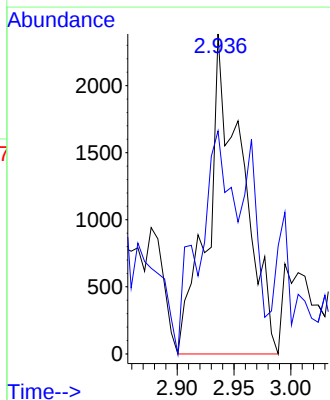
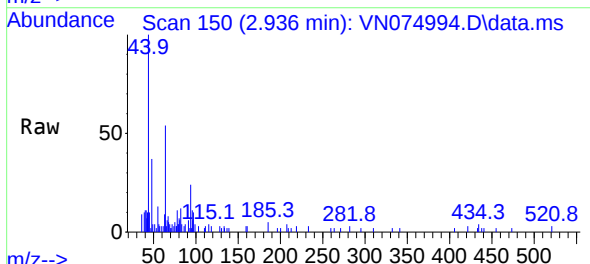
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ClientSampleId :
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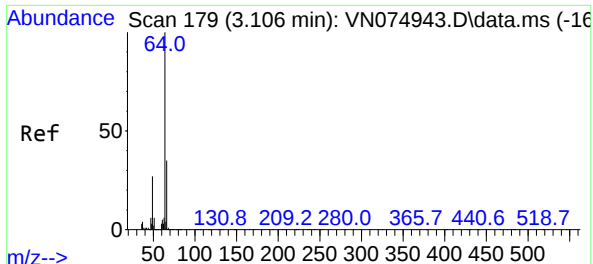
Tgt Ion: 62 Resp: 227
Ion Ratio Lower Upper
62 100
64 83.3 24.5 36.7#



#5
Bromomethane
Concen: Below Cal
RT: 2.936 min Scan# 150
Delta R.T. 0.012 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 94 Resp: 5053
Ion Ratio Lower Upper
94 100
96 69.7 73.5 110.3#

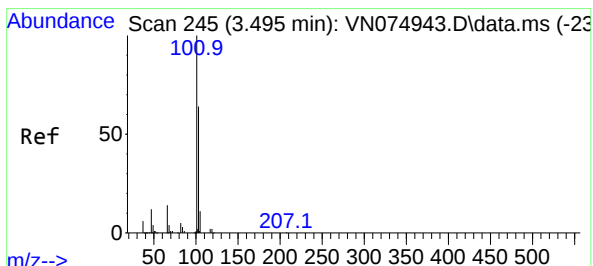
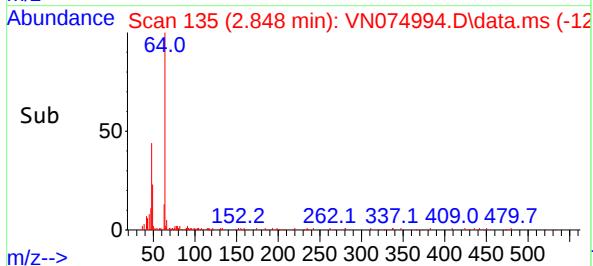
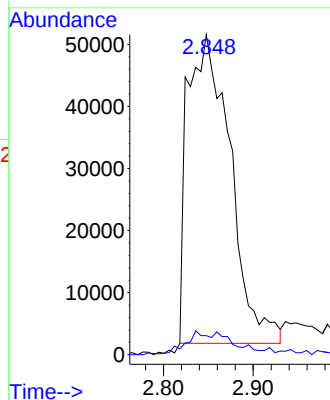
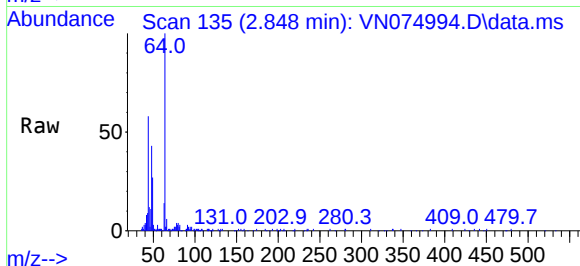




#6
Chloroethane
Concen: 1.231 ug/l
RT: 2.848 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

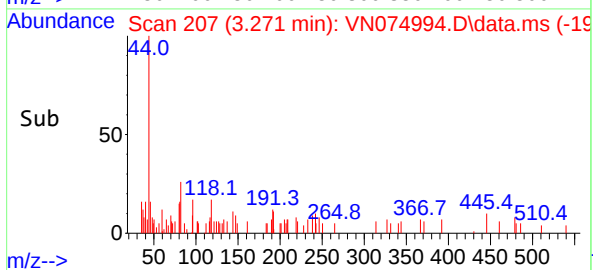
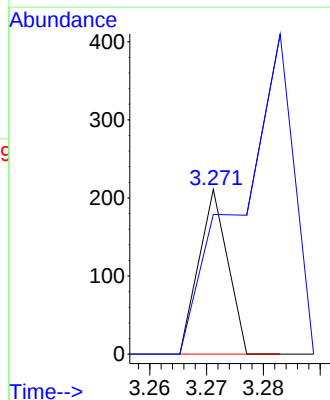
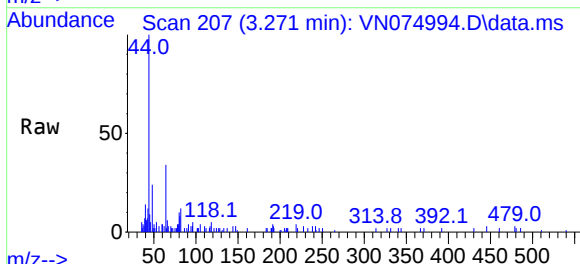
Instrument :
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ClientSampleId :
FSND-MW-29-20221019

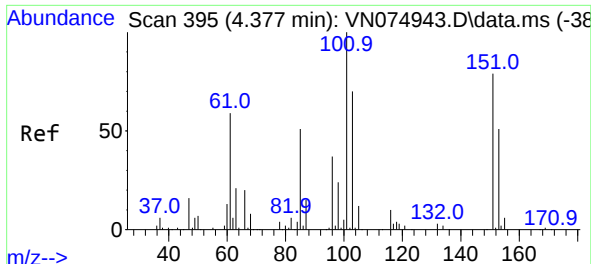
Tgt Ion: 64 Resp: 164141
Ion Ratio Lower Upper
64 100
66 5.0 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.271 min Scan# 207
Delta R.T. -0.224 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion:101 Resp: 74
Ion Ratio Lower Upper
101 100
103 84.8 51.5 77.3#

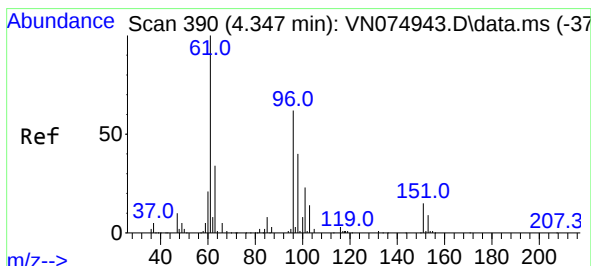
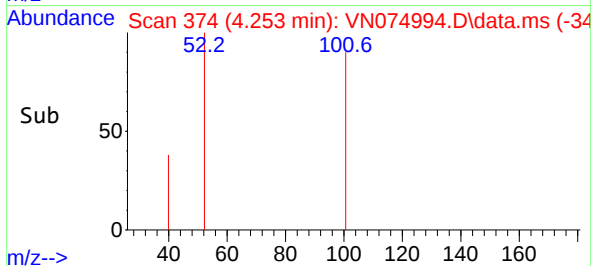
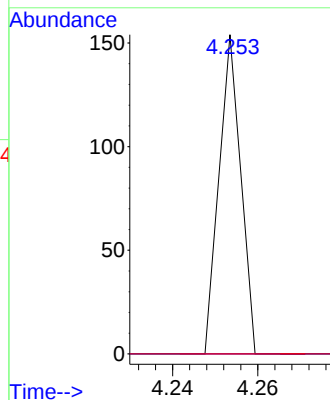
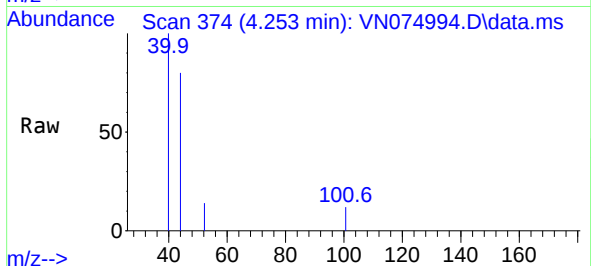




#9
1,1,2-Trichlorotrifluoroethane
Concen: Below Cal
RT: 4.253 min Scan# 31
Delta R.T. -0.124 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

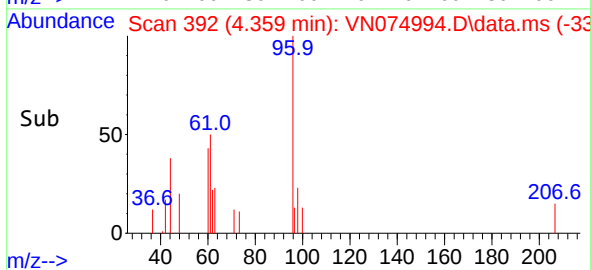
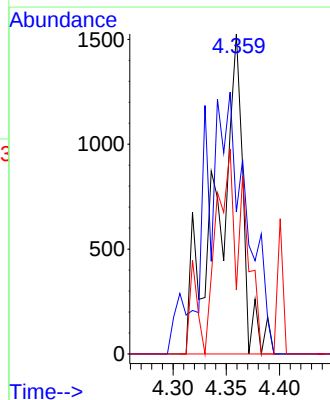
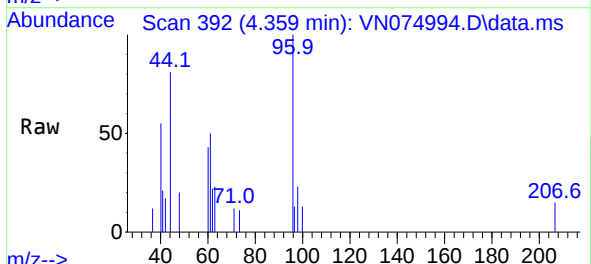
Instrument :
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ClientSampleId :
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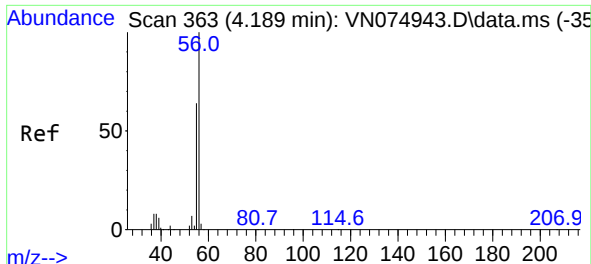
Tgt Ion:101 Resp: 54
Ion Ratio Lower Upper
101 100
85 0.0 37.8 56.8#
151 0.0 58.5 87.7#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.359 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 96 Resp: 2535
Ion Ratio Lower Upper
96 100
61 44.4 128.9 193.3#
98 20.0 51.8 77.8#

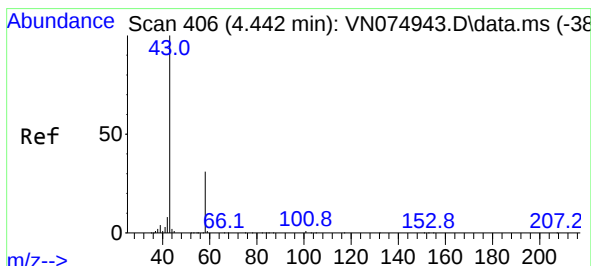
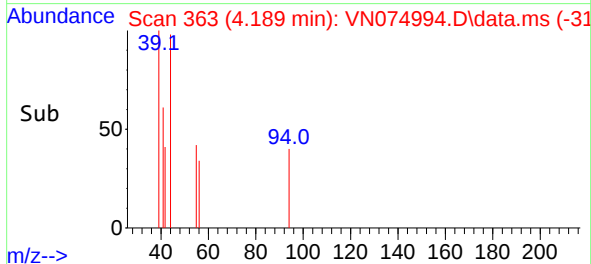
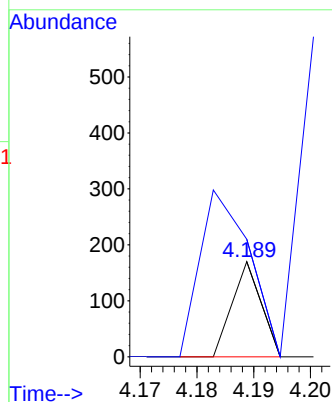
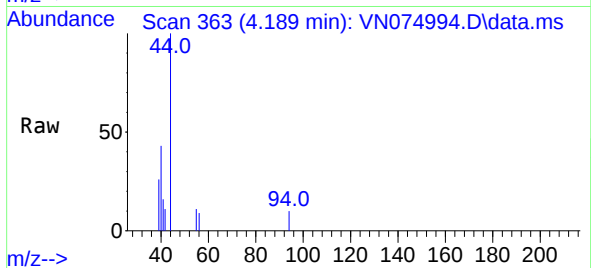




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 301
Delta R.T. -0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

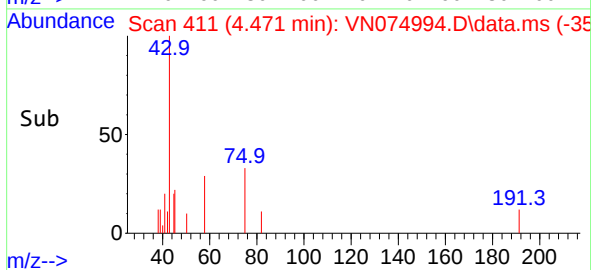
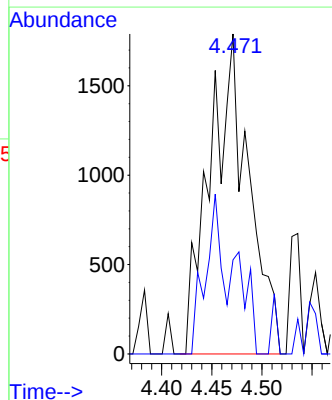
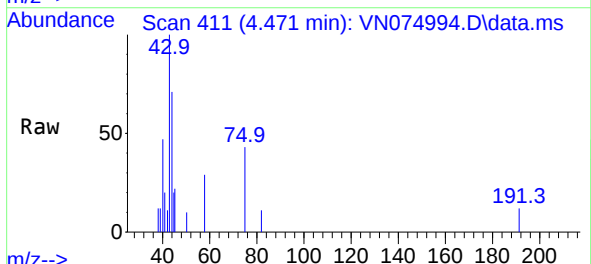
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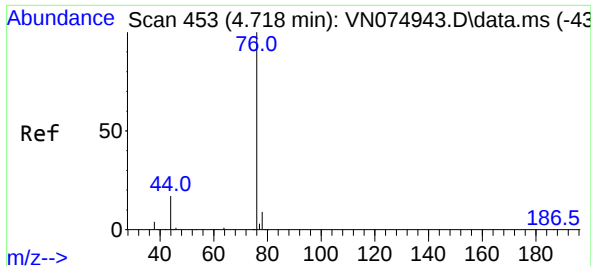
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 298.3 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 43 Resp: 4832
Ion Ratio Lower Upper
43 100
58 29.4 25.7 38.5

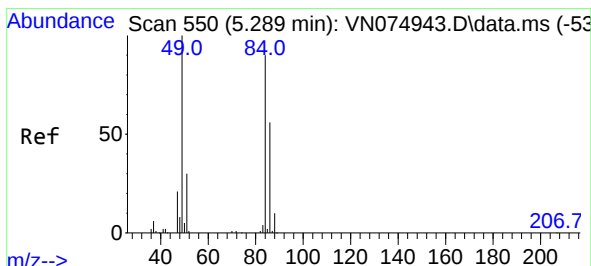
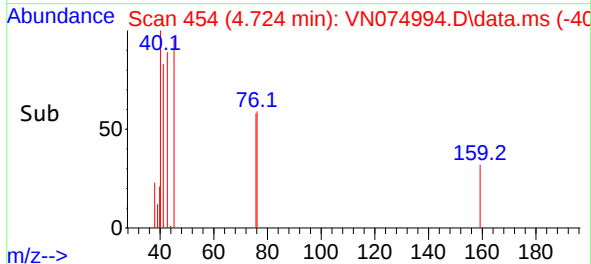
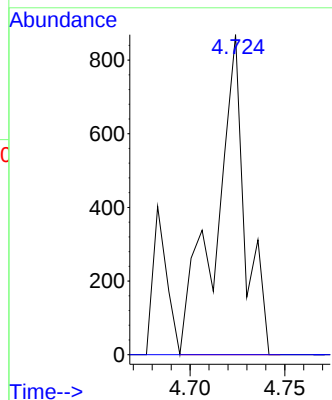
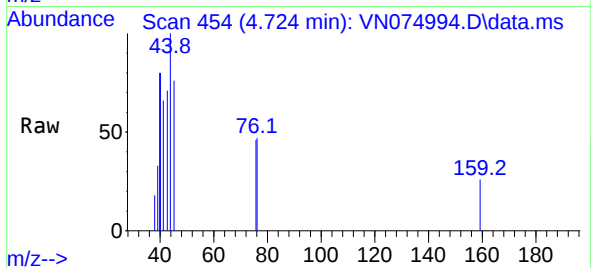




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.724 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

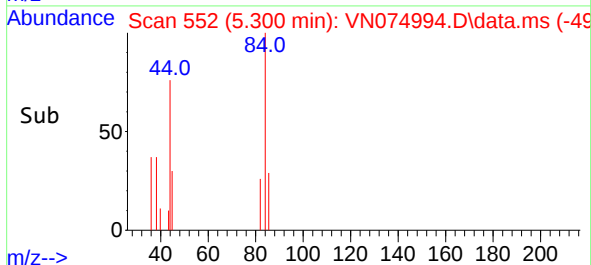
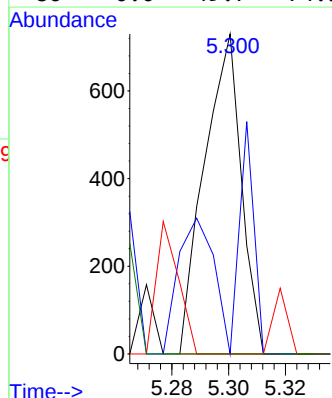
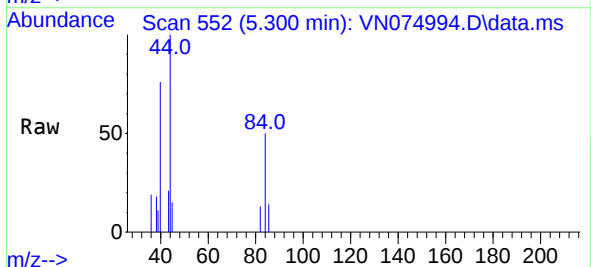
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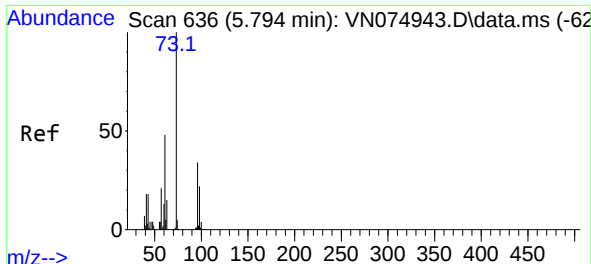
Tgt Ion: 76 Resp: 936
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 552
Delta R.T. 0.011 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 84 Resp: 659
Ion Ratio Lower Upper
84 100
49 0.0 88.6 133.0#
51 0.0 26.7 40.1#
86 0.0 49.7 74.5#

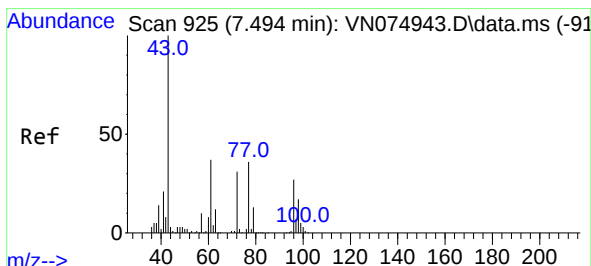
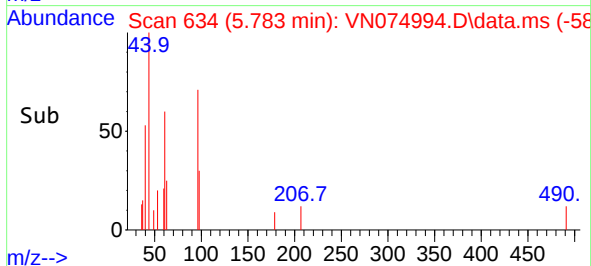
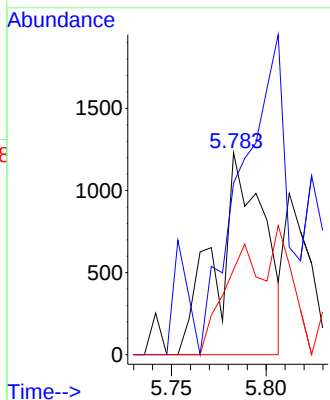
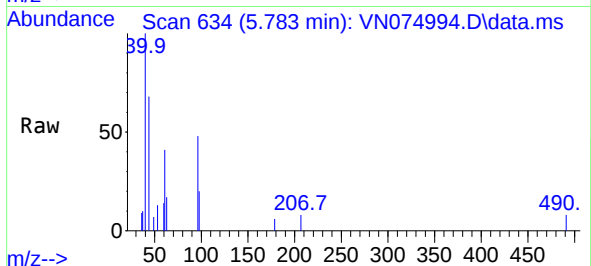




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.783 min Scan# 61
Delta R.T. -0.011 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

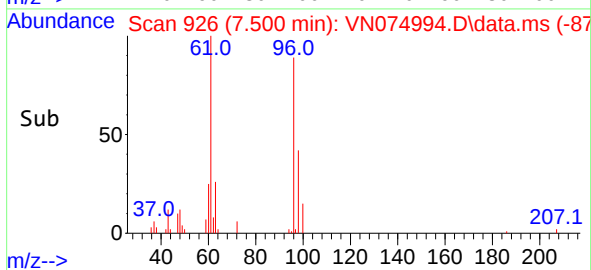
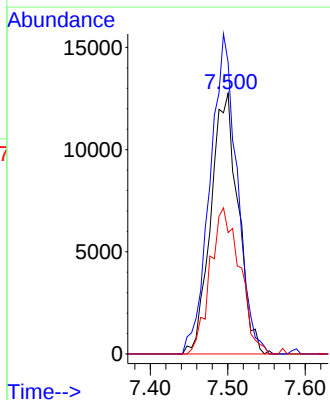
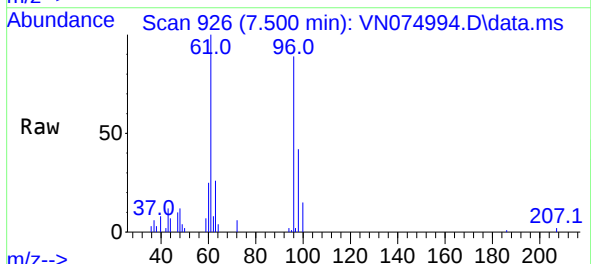
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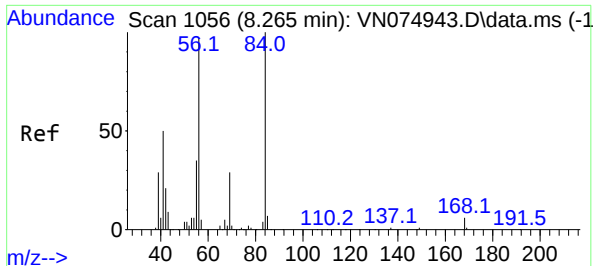
Tgt Ion: 96 Resp: 2145
Ion Ratio Lower Upper
96 100
61 28.3 112.6 169.0#
98 42.2 52.4 78.6#



#27
cis-1,2-Dichloroethene
Concen: 0.532 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 96 Resp: 31265
Ion Ratio Lower Upper
96 100
61 121.7 0.0 277.8
98 61.0 0.0 127.2





#31

Cyclohexane

Concen: 0.941 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN074994.D

Acq: 24 Oct 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-29-20221019

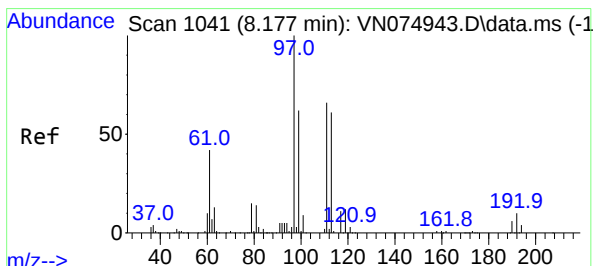
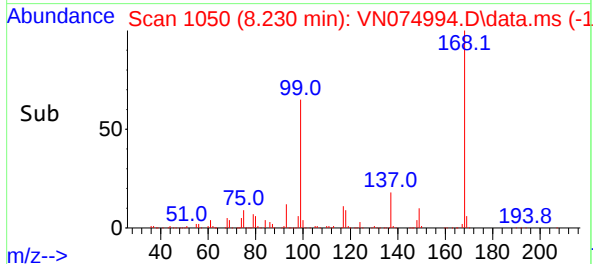
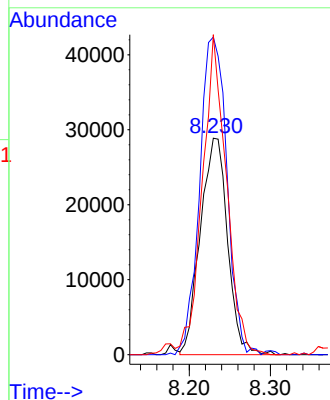
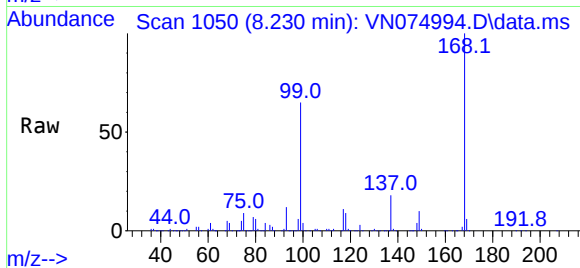
Tgt Ion: 56 Resp: 67214

Ion Ratio Lower Upper

56 100

69 146.8 24.2 36.2#

84 147.9 82.8 124.2#



#32

1,1,1-Trichloroethane

Concen: 1.274 ug/l

RT: 8.183 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VN074994.D

Acq: 24 Oct 2022 19:26

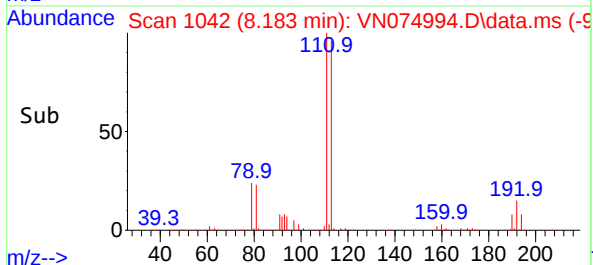
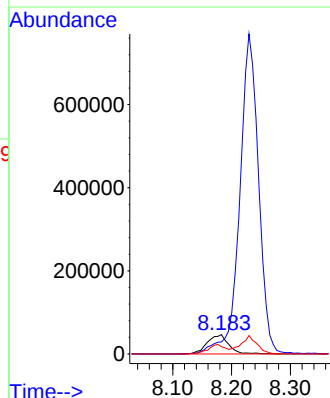
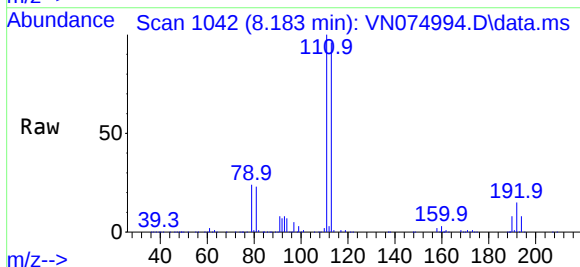
Tgt Ion: 97 Resp: 117298

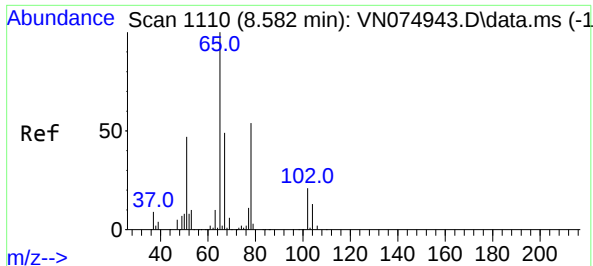
Ion Ratio Lower Upper

97 100

99 0.0 53.0 79.4#

61 39.2 36.4 54.6

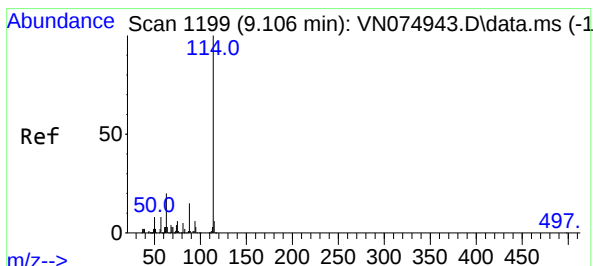
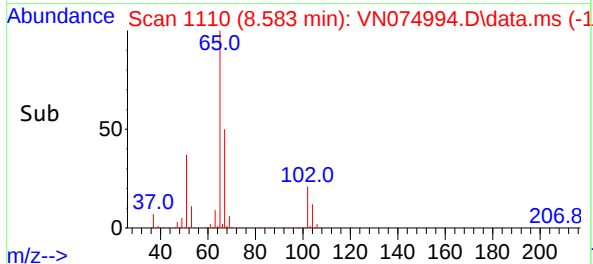
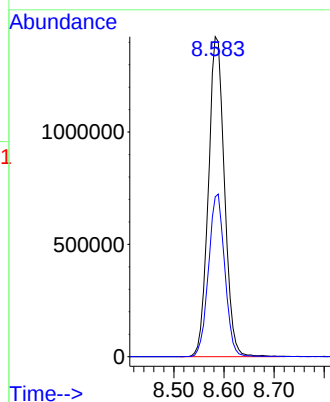
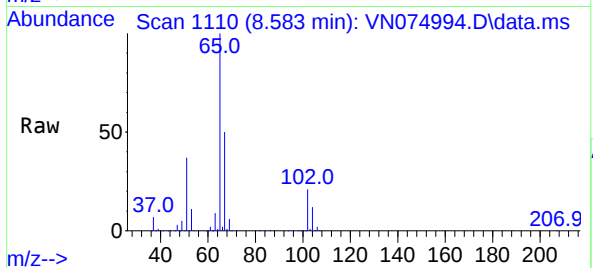




#33
1,2-Dichloroethane-d4
Concen: 45.390 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

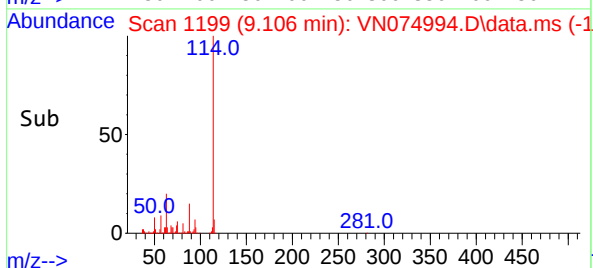
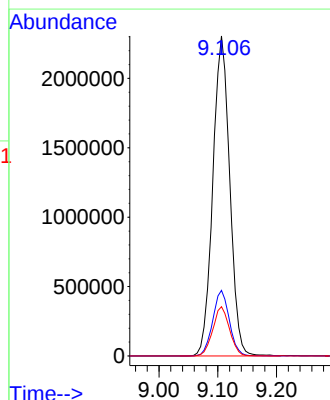
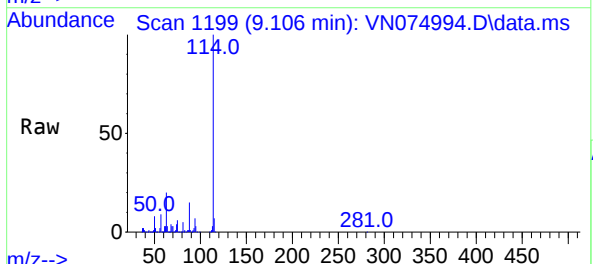
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-29-20221019

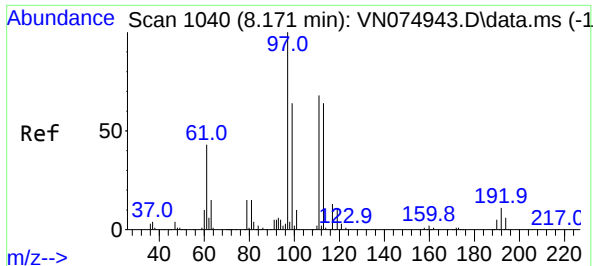
Tgt Ion: 65 Resp: 3172675
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion:114 Resp: 4602733
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.8
88 15.4 0.0 30.4

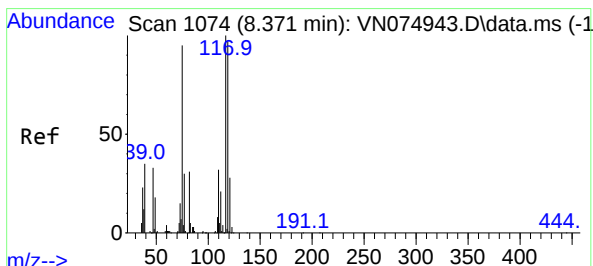
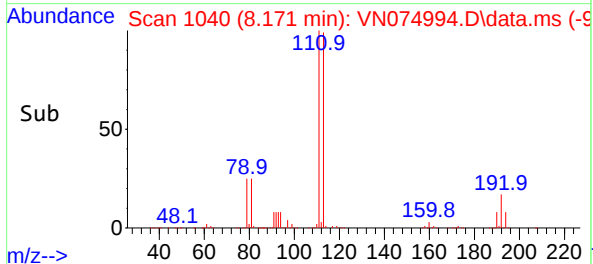
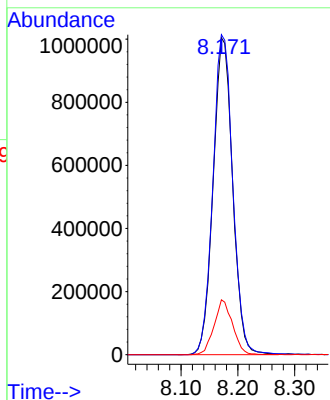
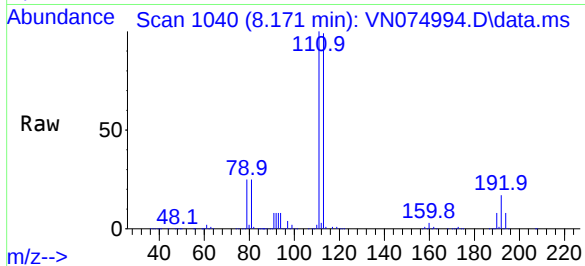




#35
Dibromofluoromethane
Concen: 43.579 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

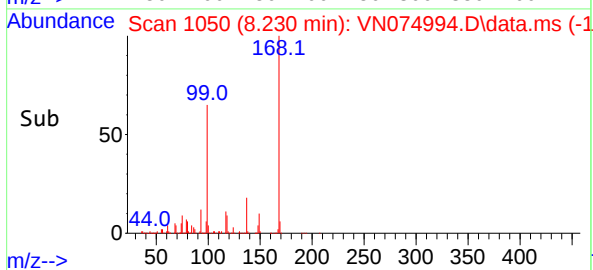
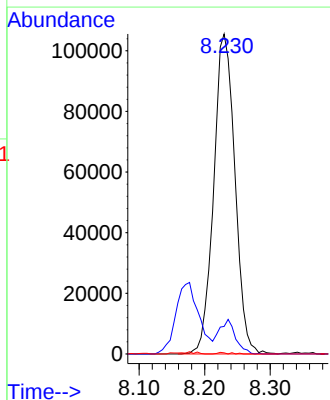
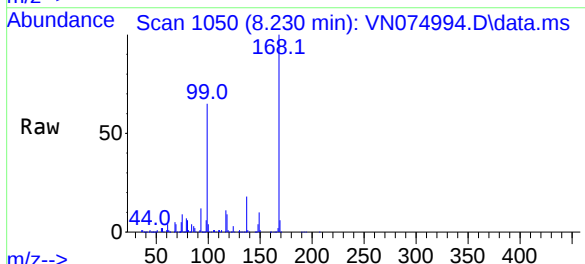
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-29-20221019

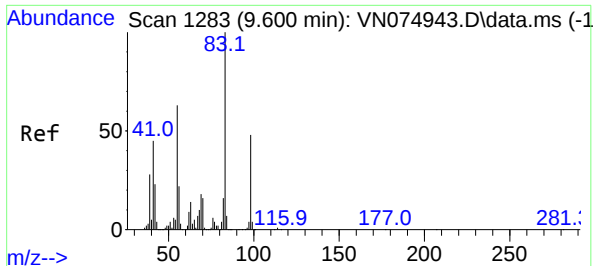
Tgt Ion:113 Resp: 2387423
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 16.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 3.431 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 75 Resp: 236737
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.2 25.0 37.4#





#39

Methylcyclohexane

Concen: 0.328 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.247 min

Lab File: VN074994.D

Acq: 24 Oct 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-29-20221019

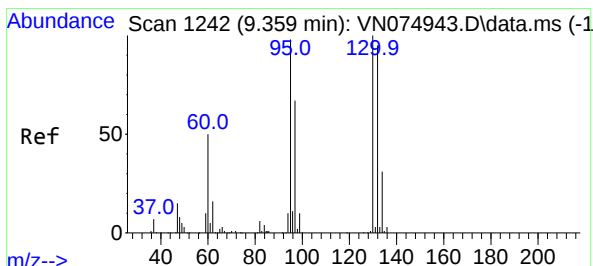
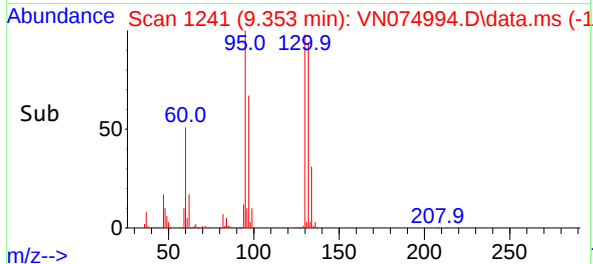
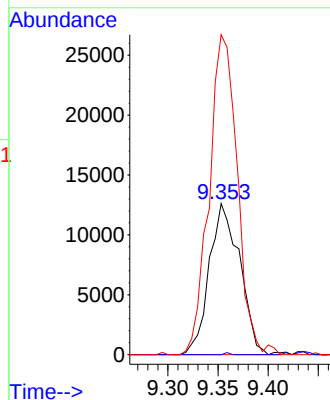
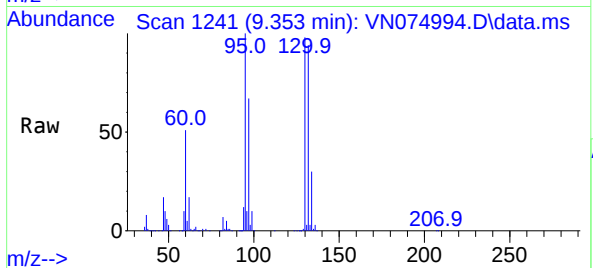
Tgt Ion: 83 Resp: 26829

Ion Ratio Lower Upper

83 100

55 0.0 50.8 76.2#

98 211.7 38.8 58.2#



#44

Trichloroethene

Concen: 36.675 ug/l

RT: 9.353 min Scan# 1241

Delta R.T. -0.006 min

Lab File: VN074994.D

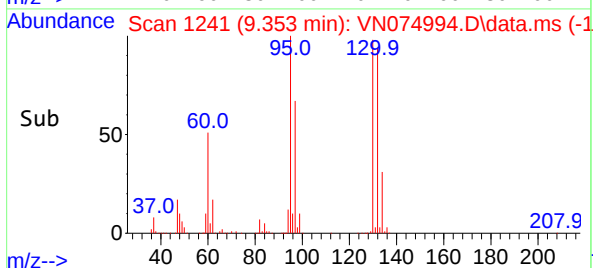
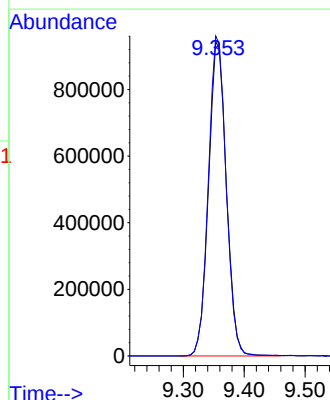
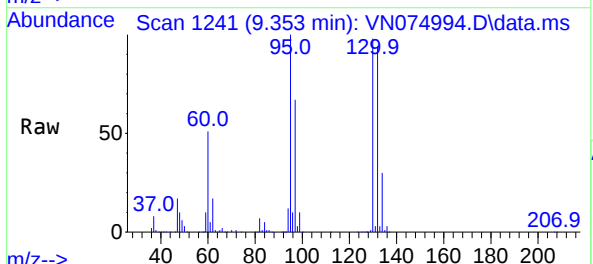
Acq: 24 Oct 2022 19:26

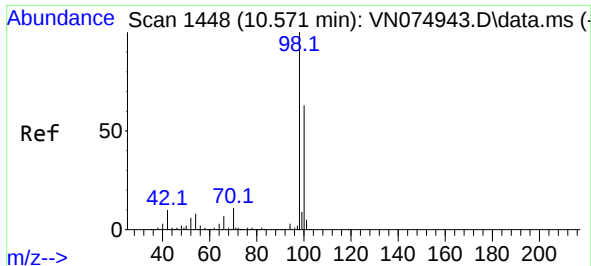
Tgt Ion:130 Resp: 1914624

Ion Ratio Lower Upper

130 100

95 101.9 0.0 195.8

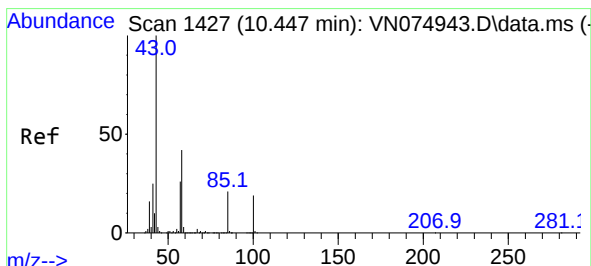
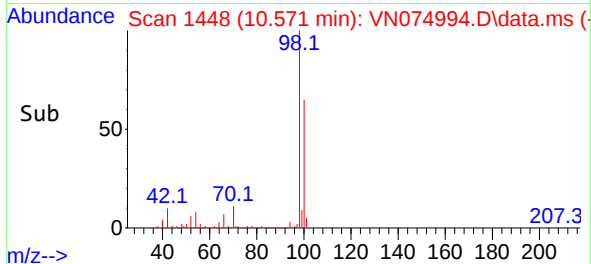
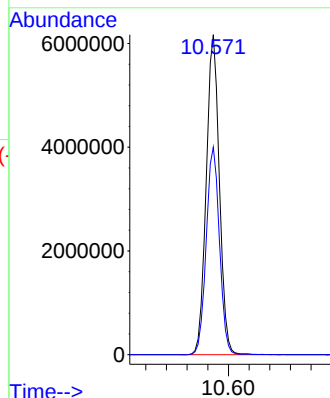
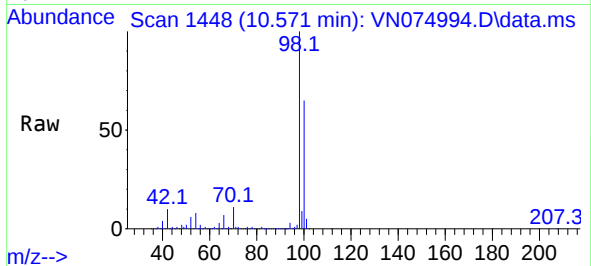




#50
Toluene-d8
Concen: 51.739 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

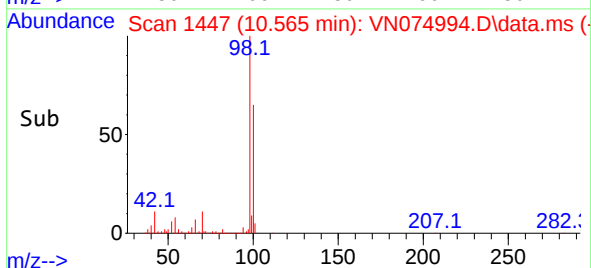
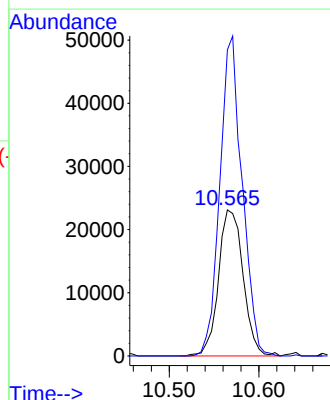
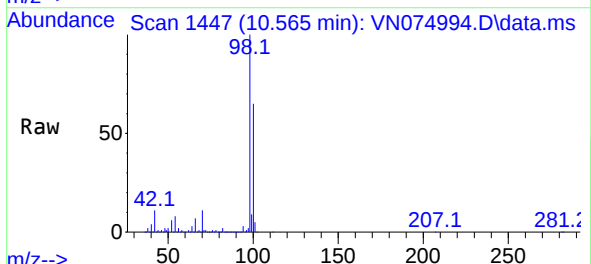
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-29-20221019

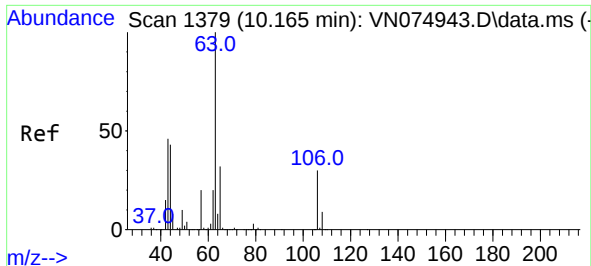
Tgt Ion: 98 Resp:10875232
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2



#51
4-Methyl-2-Pentanone
Concen: 0.528 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 43 Resp: 44074
Ion Ratio Lower Upper
43 100
58 198.5 33.6 50.4#

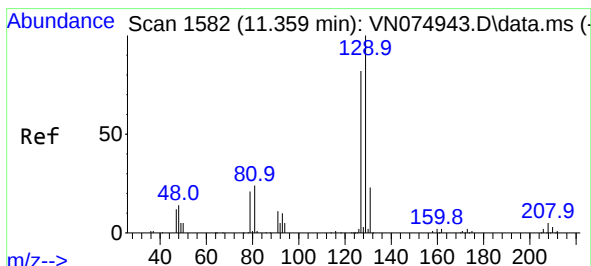
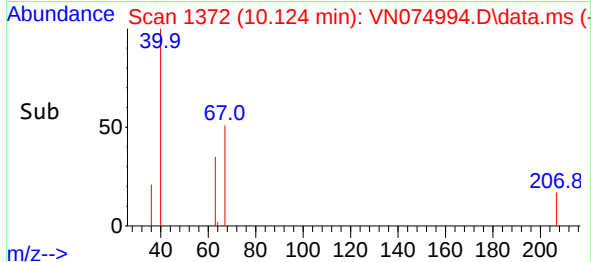
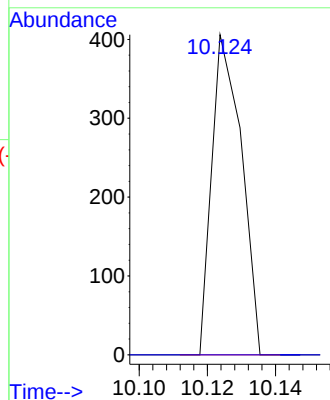
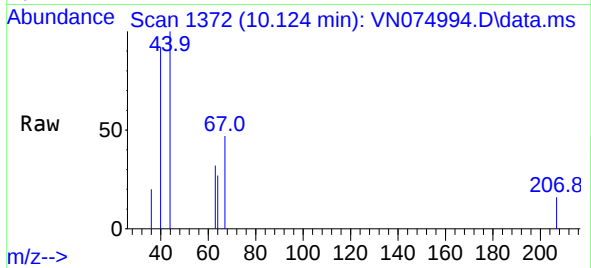




#58
2-Chloroethyl Vinyl ether
Concen: 3.615 ug/l
RT: 10.124 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

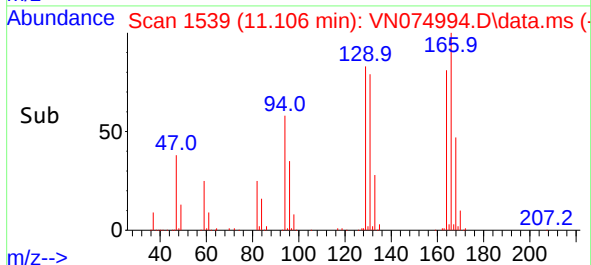
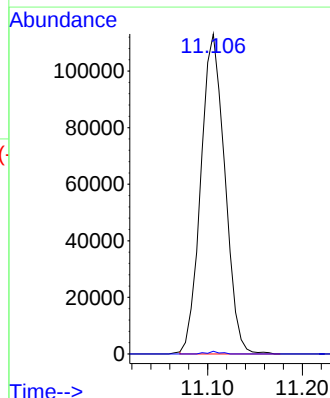
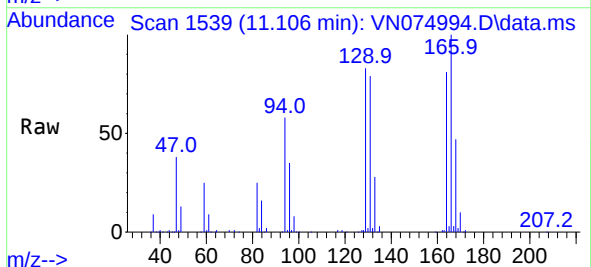
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-29-20221019

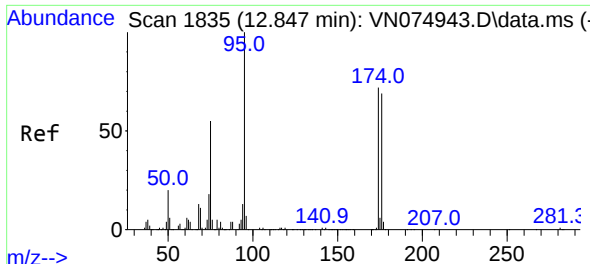
Tgt Ion: 63 Resp: 245
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#



#60
Dibromochloromethane
Concen: 3.255 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.253 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 129 Resp: 198995
Ion Ratio Lower Upper
129 100
127 0.4 39.0 116.9#

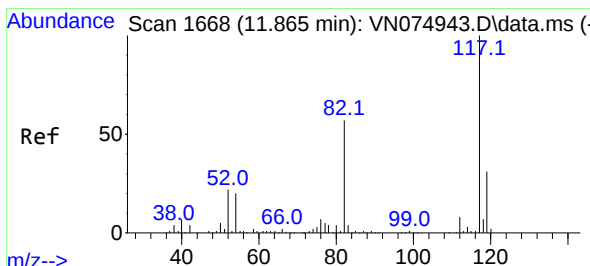
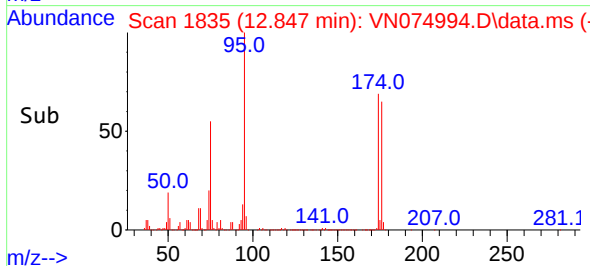
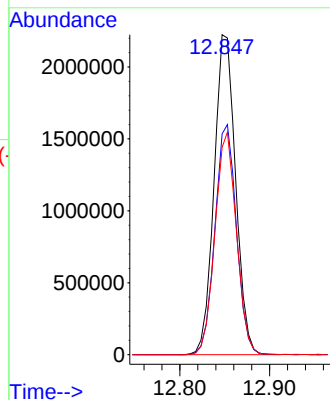
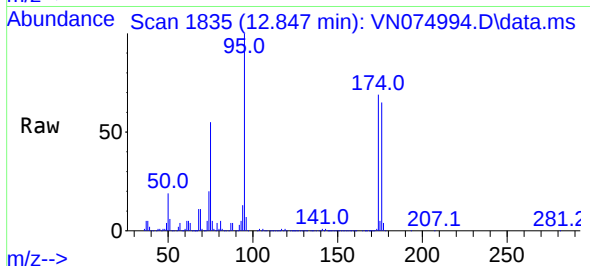




#62
4-Bromofluorobenzene
Concen: 49.955 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

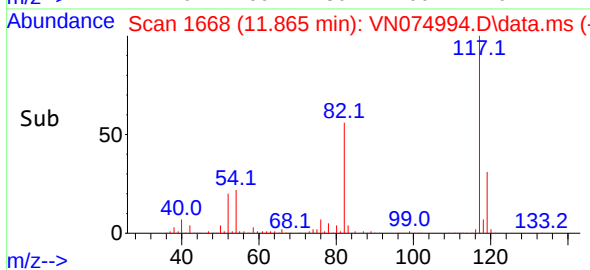
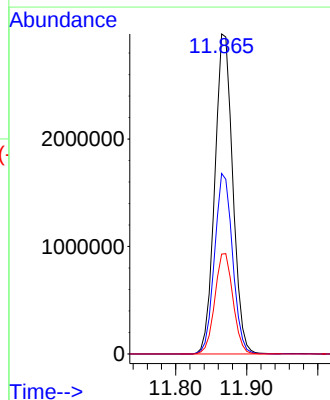
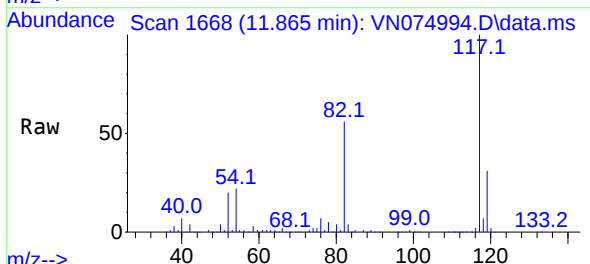
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-29-20221019

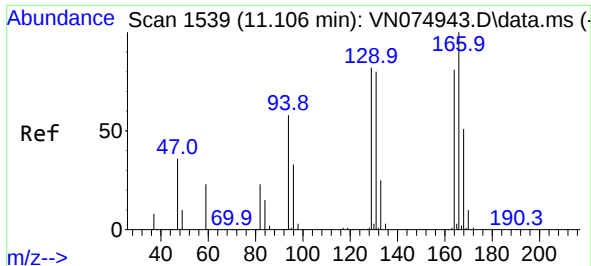
Tgt Ion: 95 Resp: 3703884
Ion Ratio Lower Upper
95 100
174 71.9 0.0 143.0
176 69.2 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion: 117 Resp: 5222328
Ion Ratio Lower Upper
117 100
82 56.4 45.6 68.4
119 31.2 25.1 37.7



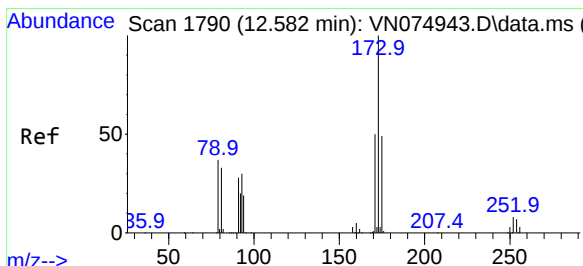
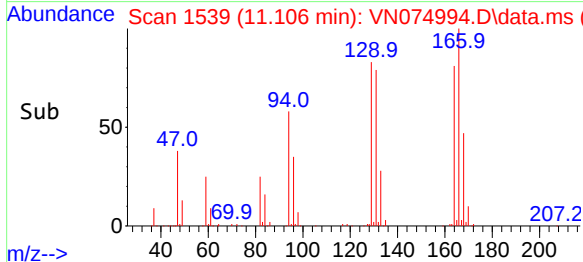
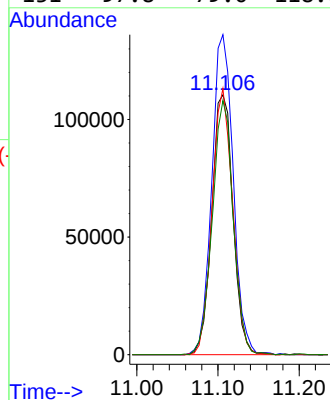
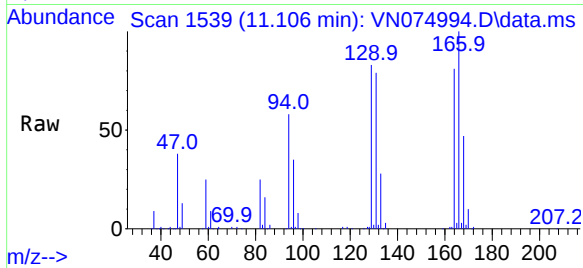


#64
Tetrachloroethene
Concen: 4.704 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-29-20221019

Tgt Ion:164 Resp: 200869

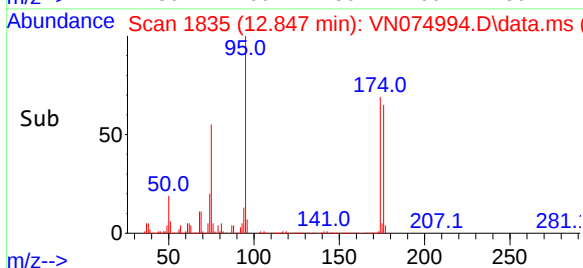
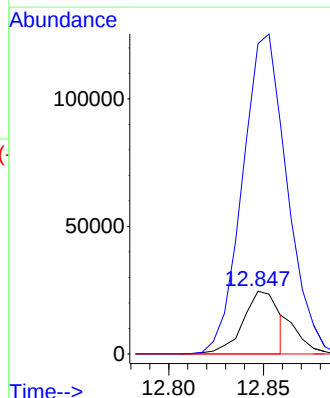
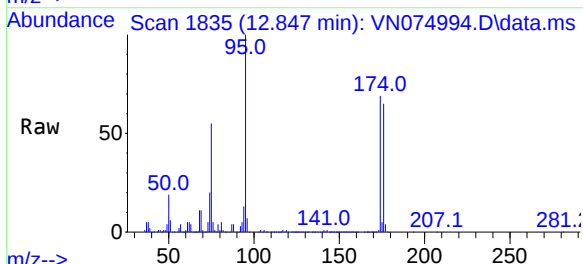
Ion	Ratio	Lower	Upper
164	100		
166	123.2	98.6	148.0
129	102.4	81.2	121.8
131	97.8	79.0	118.6

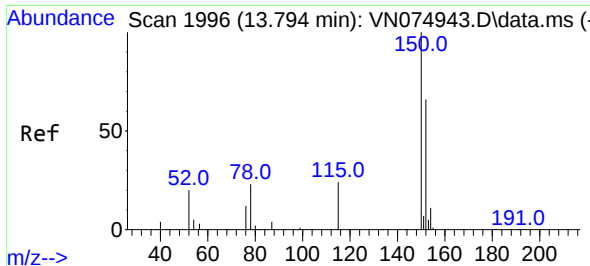


#71
Bromoform
Concen: 0.711 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Tgt Ion:173 Resp: 31952

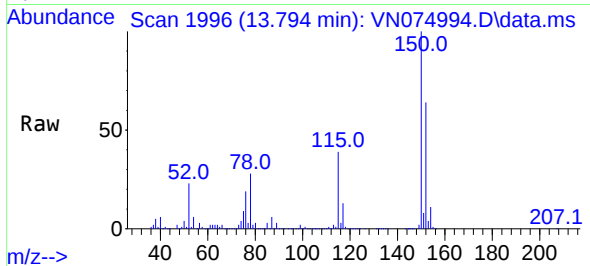
Ion	Ratio	Lower	Upper
173	100		
175	539.7	24.8	74.3#
254	0.0	0.1	0.1#





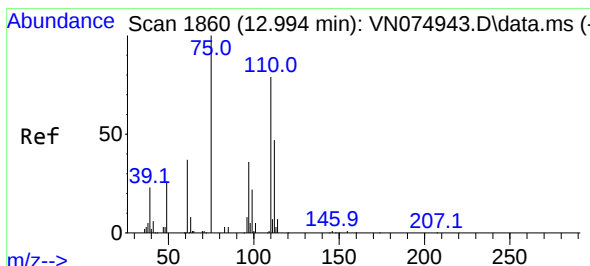
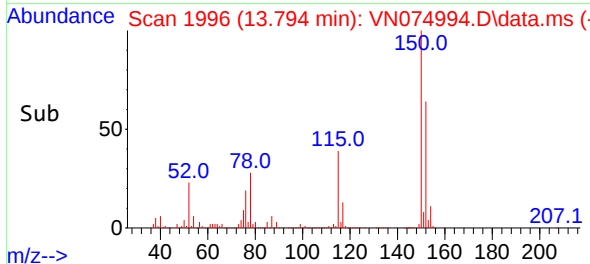
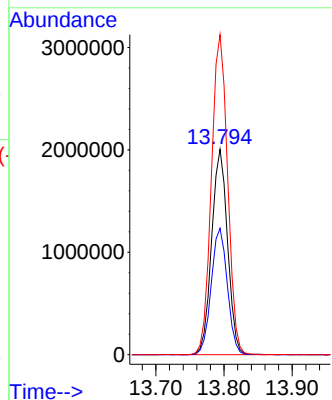
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN074994.D
 Acq: 24 Oct 2022 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-29-20221019



Tgt Ion:152 Resp: 3257042

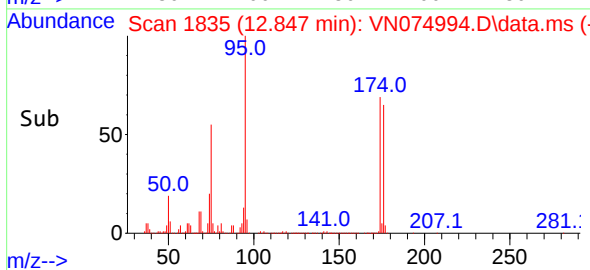
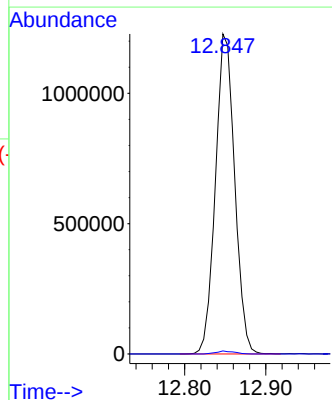
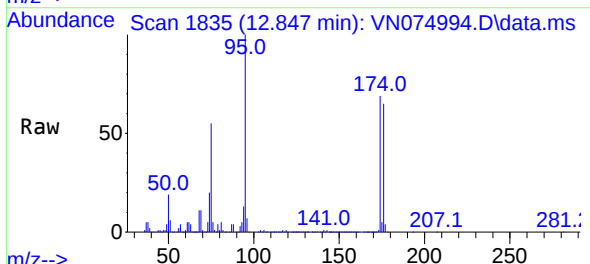
Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.8
150	158.9	0.0	349.6

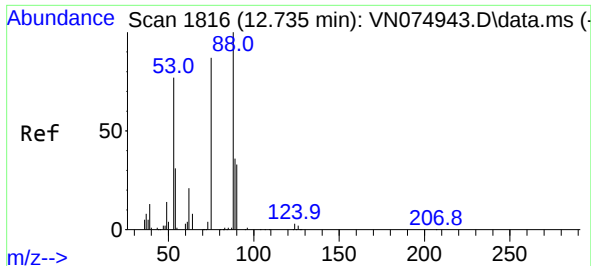


#76
 1,2,3-Trichloropropane
 Concen: 22.930 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN074994.D
 Acq: 24 Oct 2022 19:26

Tgt Ion: 75 Resp: 2025362

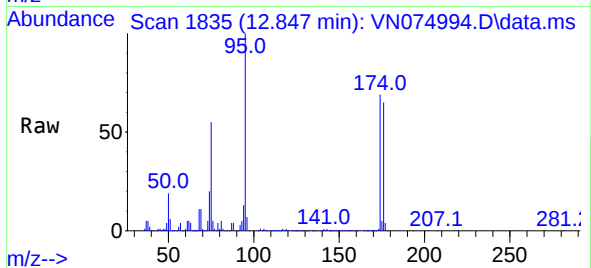
Ion	Ratio	Lower	Upper
75	100		
77	0.9	81.0	243.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.519 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN074994.D
Acq: 24 Oct 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-29-20221019



Tgt Ion: 75 Resp: 2025362

Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.2	118.8#
89	0.0	37.9	56.9#

