

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074993.D
 Acq On : 24 Oct 2022 19:02
 Operator : JC\MD
 Sample : N5249-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-32-20221019

Quant Time: Oct 25 06:51:58 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)

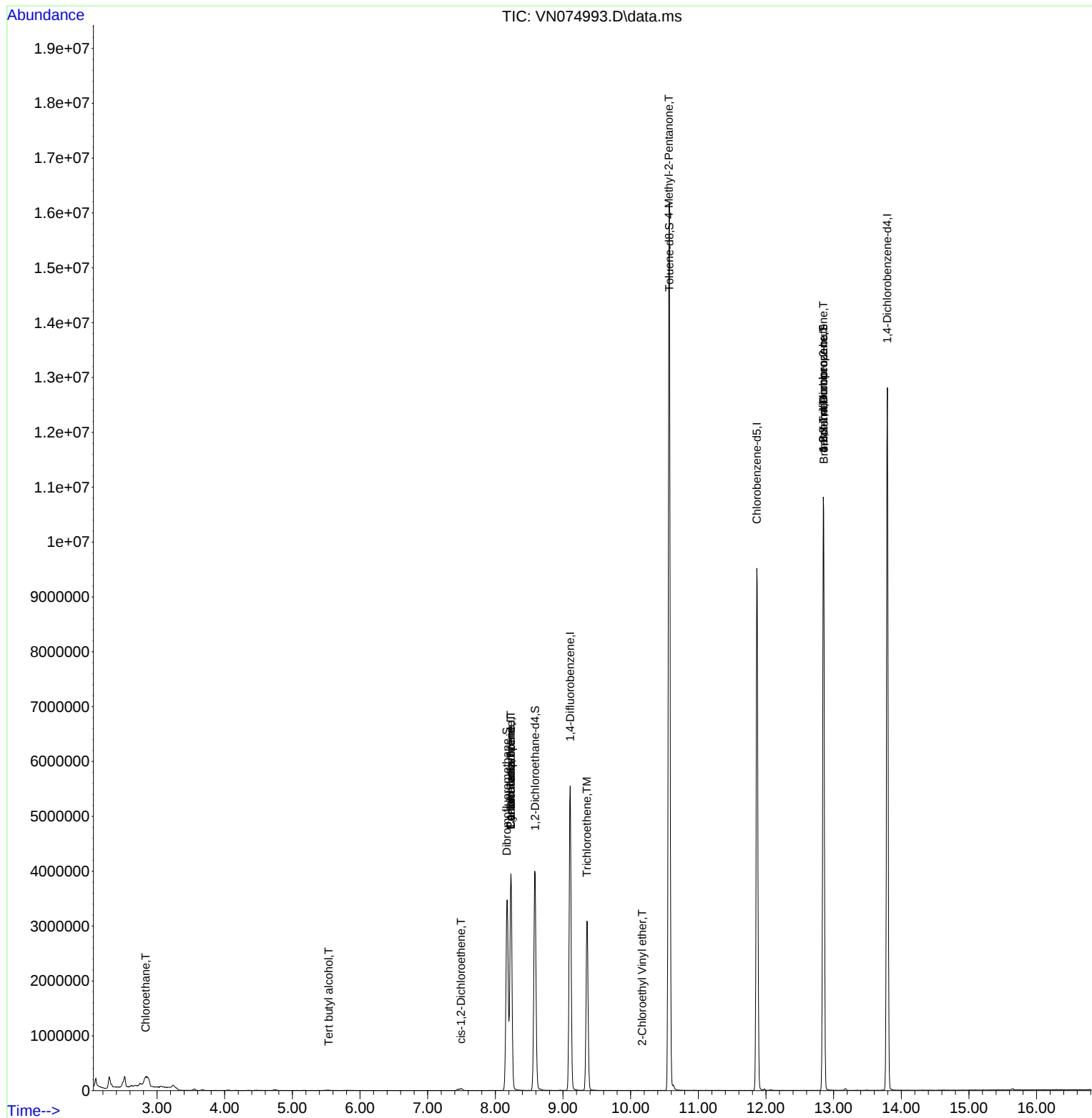
Internal Standards						
1) Pentafluorobenzene	8.230	168	2715314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	4812265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	5369548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3263768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	3226730	44.726	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.460%
35) Dibromofluoromethane	8.171	113	2425244	42.341	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.680%
50) Toluene-d8	10.571	98	11268324	51.275	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.540%
62) 4-Bromofluorobenzene	12.847	95	3722750	48.024	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	2911	Below Cal		94
4) Vinyl Chloride	2.524	62	1013	Below Cal		91
5) Bromomethane	2.942	94	3595	Below Cal	#	42
6) Chloroethane	2.830	64	245739	2.836	ug/l #	47
7) Trichlorofluoromethane	3.295	101	67	Below Cal	#	1
11) Tert butyl alcohol	5.536	59	4920	0.323	ug/l #	79
12) 1,1-Dichloroethene	4.353	96	2684	Below Cal	#	54
13) Acrolein	4.206	56	538	Below Cal	#	16
16) Acetone	4.465	43	6350	Below Cal	#	81
17) Carbon Disulfide	4.724	76	2513	Below Cal	#	83
20) Methylene Chloride	5.277	84	580	Below Cal	#	10
21) trans-1,2-Dichloroethene	5.789	96	469	Below Cal	#	53
27) cis-1,2-Dichloroethene	7.494	96	18448	0.304	ug/l	89
31) Cyclohexane	8.230	56	74392	1.009	ug/l #	36
36) 1,1-Dichloropropene	8.230	75	243402	3.374	ug/l #	49
38) Carbon Tetrachloride	8.230	117	304364	3.876	ug/l #	17
44) Trichloroethene	9.353	130	1072588	19.651	ug/l	98
51) 4-Methyl-2-Pentanone	10.565	43	45886	0.526	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.171	63	144	3.612	ug/l #	45
71) Bromoform	12.853	173	30485	0.660	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	2048387	23.143	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	2048387	74.202	ug/l #	10

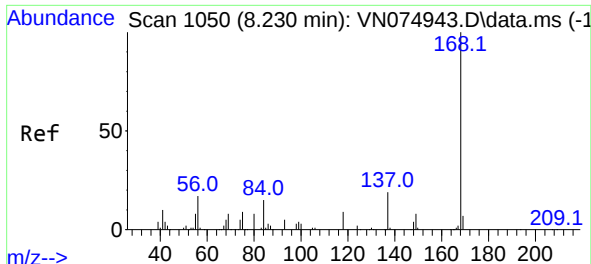
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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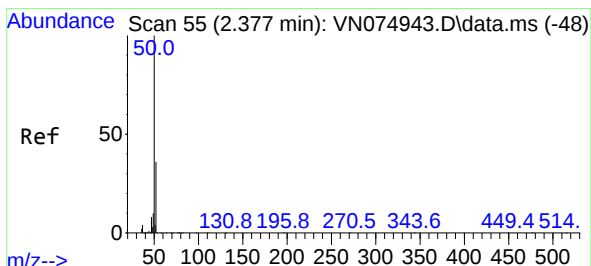
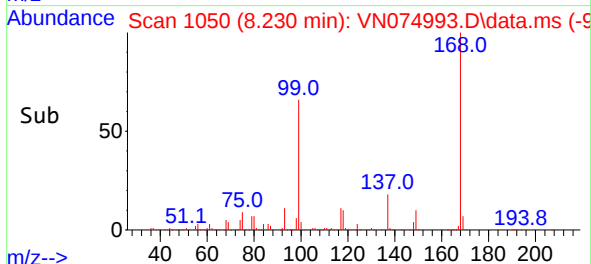
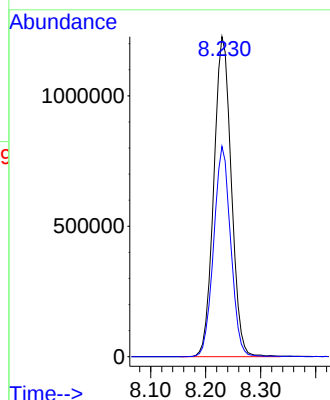
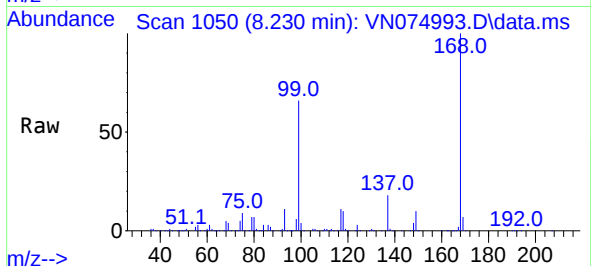




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

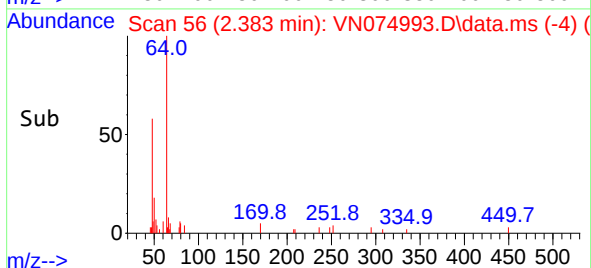
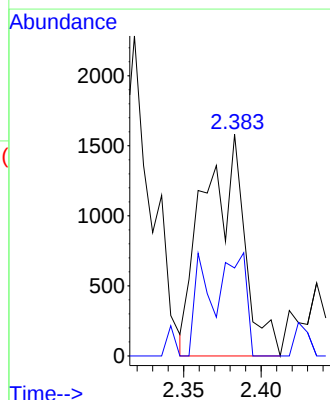
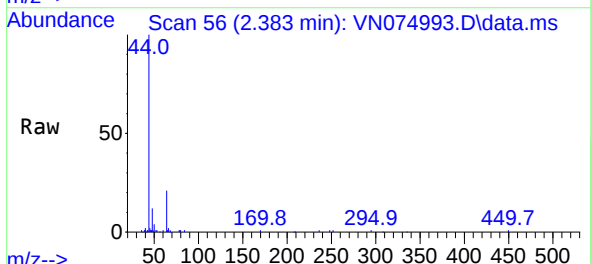
Instrument :
MSVOA_N
ClientSampleId :
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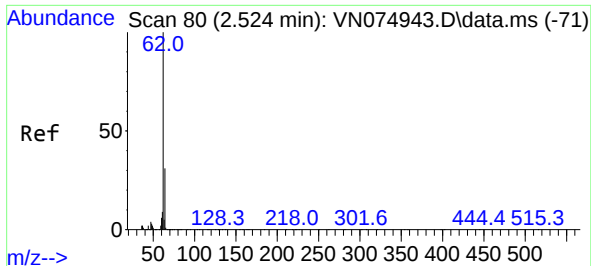
Tgt Ion:168 Resp: 2715314
Ion Ratio Lower Upper
168 100
99 65.7 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 50 Resp: 2911
Ion Ratio Lower Upper
50 100
52 39.7 28.8 43.2

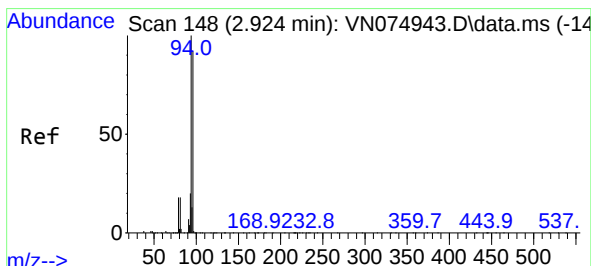
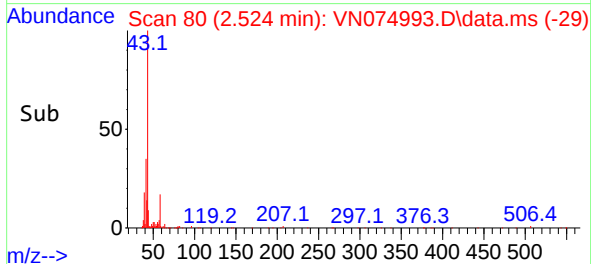
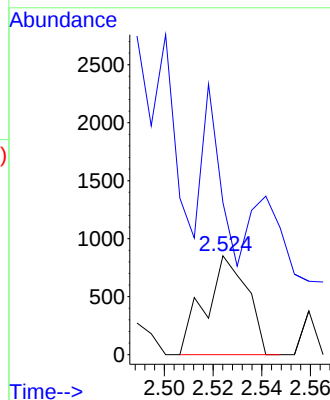
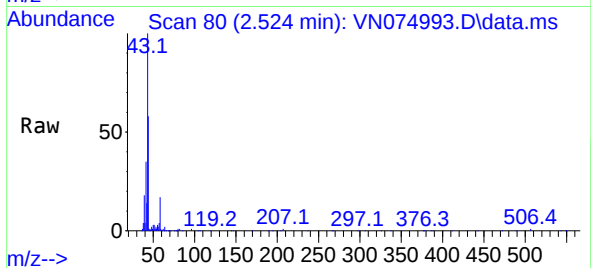




#4
Vinyl Chloride
Concen: Below Cal
RT: 2.524 min Scan# 80
Delta R.T. 0.000 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

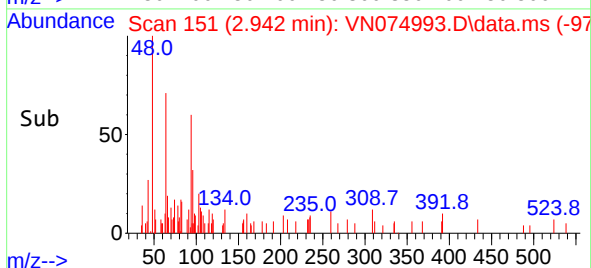
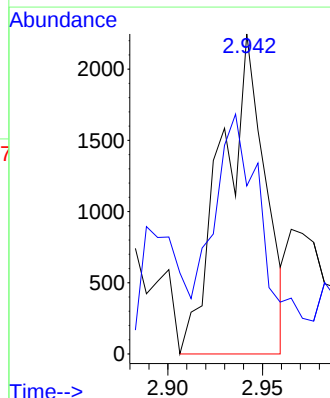
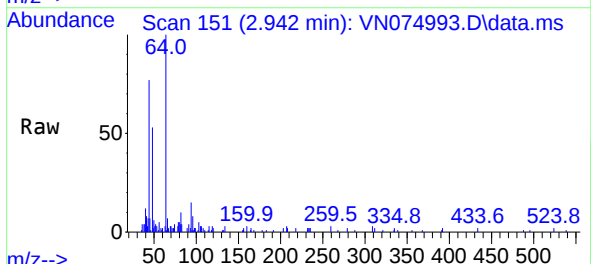
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-32-20221019

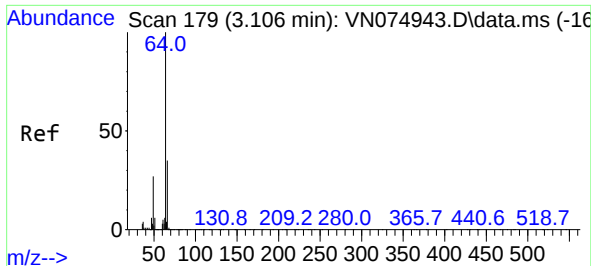
Tgt Ion: 62 Resp: 1013
Ion Ratio Lower Upper
62 100
64 25.7 24.5 36.7



#5
Bromomethane
Concen: Below Cal
RT: 2.942 min Scan# 151
Delta R.T. 0.018 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 94 Resp: 3595
Ion Ratio Lower Upper
94 100
96 36.3 73.5 110.3#

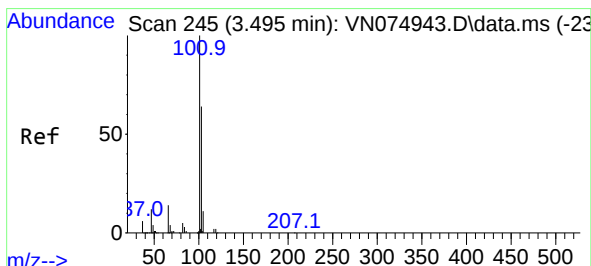
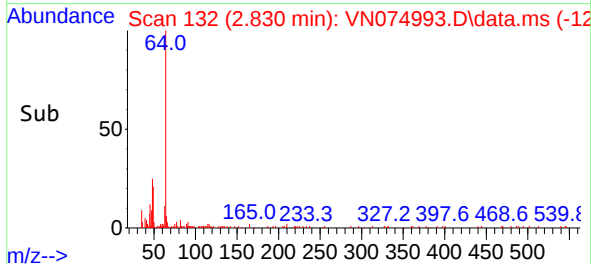
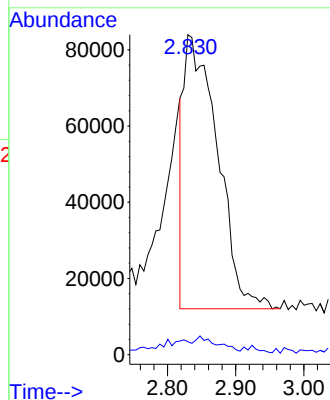
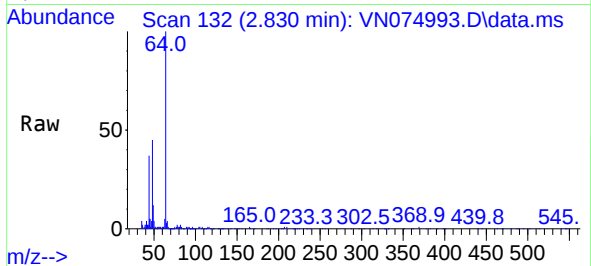




#6
Chloroethane
Concen: 2.836 ug/l
RT: 2.830 min Scan# 11
Delta R.T. -0.276 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

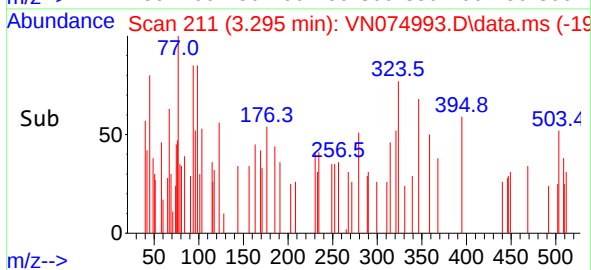
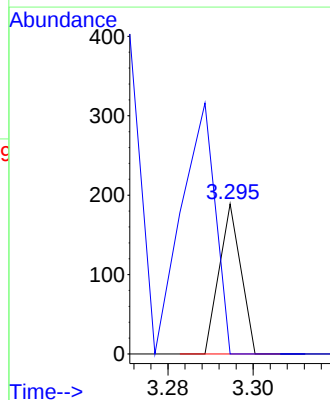
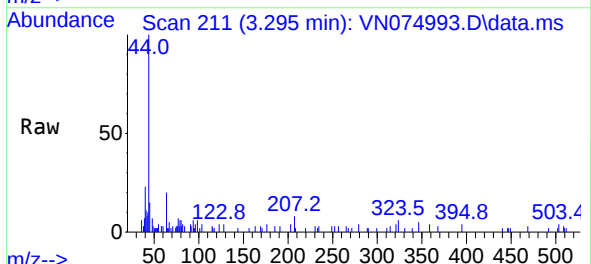
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-32-20221019

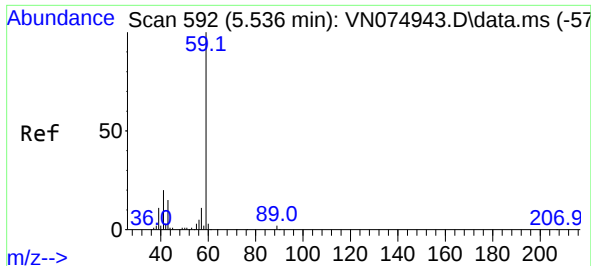
Tgt Ion: 64 Resp: 245739
Ion Ratio Lower Upper
64 100
66 4.2 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.295 min Scan# 211
Delta R.T. -0.200 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 101 Resp: 67
Ion Ratio Lower Upper
101 100
103 177.8 51.5 77.3#





#11

Tert butyl alcohol

Concen: 0.323 ug/l

RT: 5.536 min Scan# 591

Delta R.T. -0.000 min

Lab File: VN074993.D

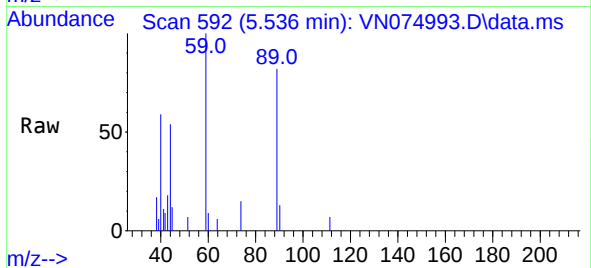
Acq: 24 Oct 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-32-20221019

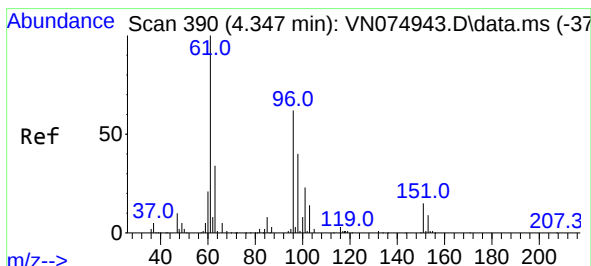
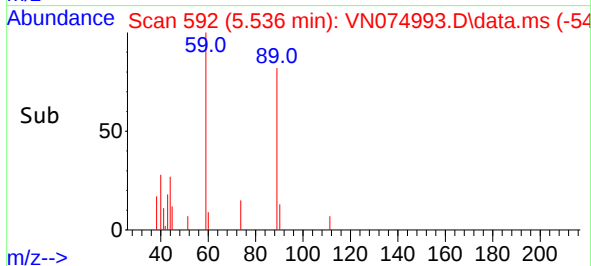
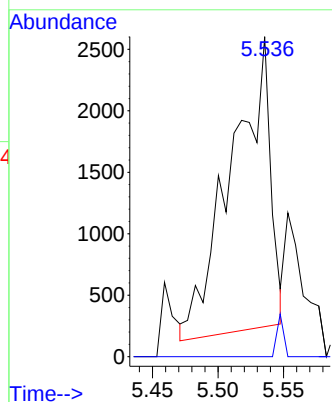


Tgt Ion: 59 Resp: 4920

Ion Ratio Lower Upper

59 100

57 2.5 8.2 12.4#



#12

1,1-Dichloroethene

Concen: Below Cal

RT: 4.353 min Scan# 391

Delta R.T. 0.006 min

Lab File: VN074993.D

Acq: 24 Oct 2022 19:02

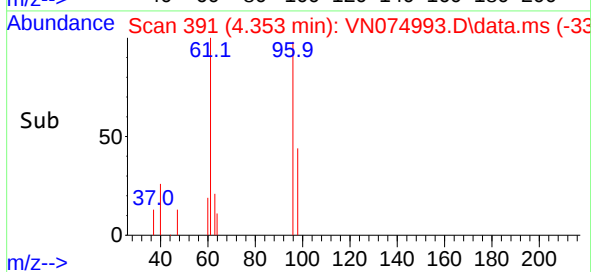
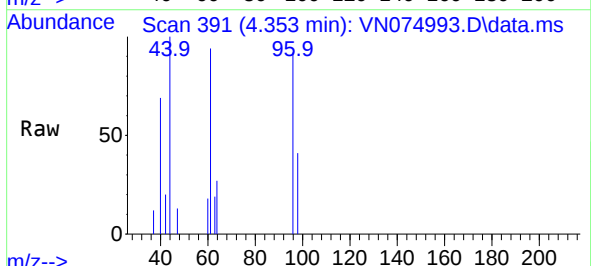
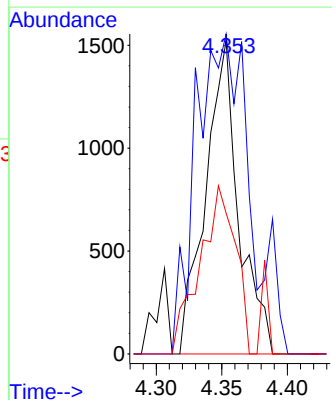
Tgt Ion: 96 Resp: 2684

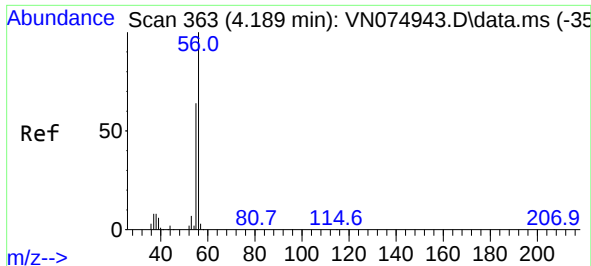
Ion Ratio Lower Upper

96 100

61 89.8 128.9 193.3#

98 44.9 51.8 77.8#

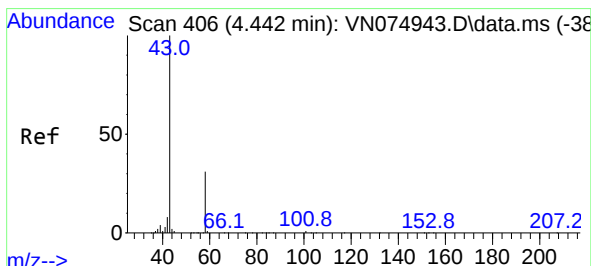
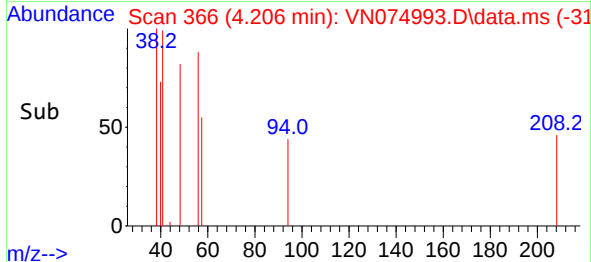
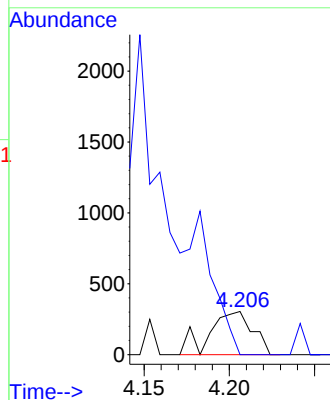
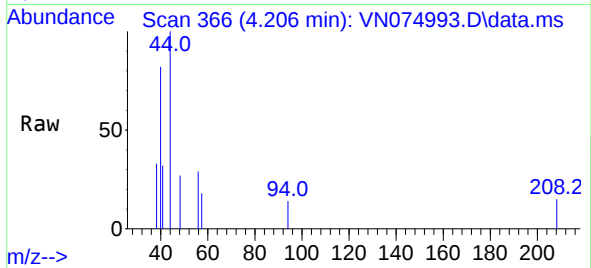




#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 30
Delta R.T. 0.017 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

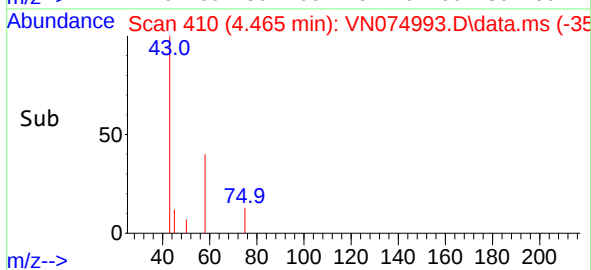
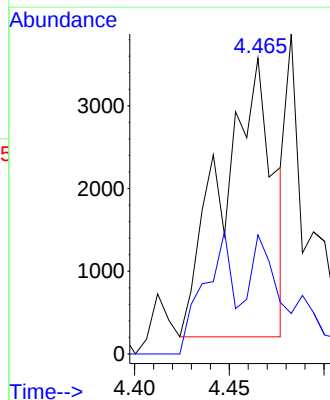
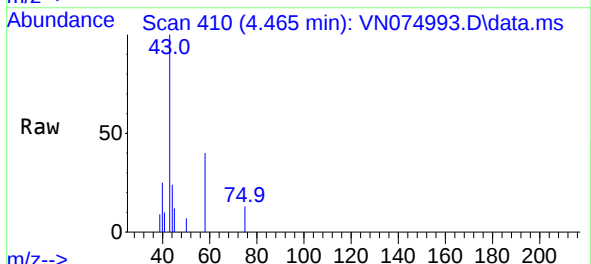
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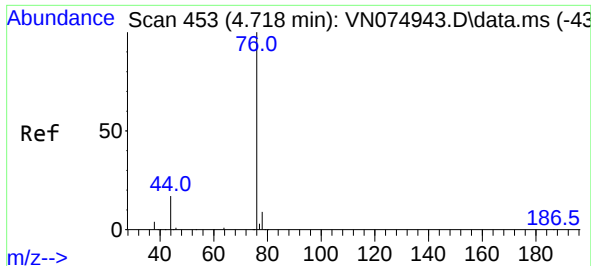
Tgt Ion: 56 Resp: 538
Ion Ratio Lower Upper
56 100
55 0.0 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 43 Resp: 6350
Ion Ratio Lower Upper
43 100
58 42.7 25.7 38.5#

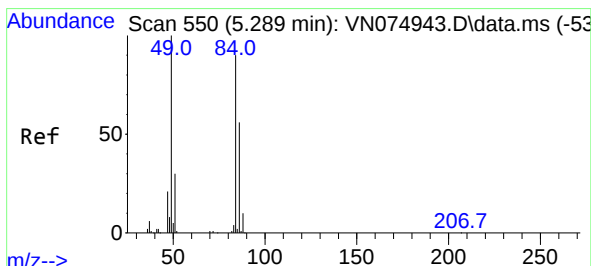
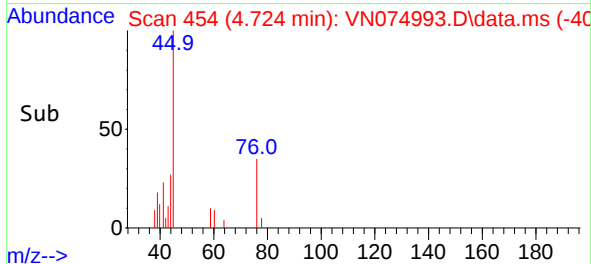
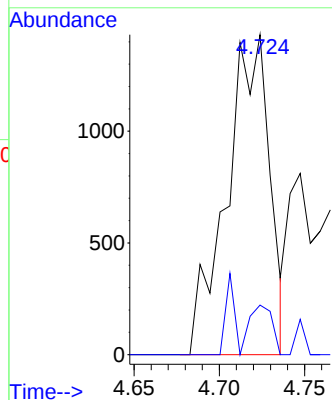
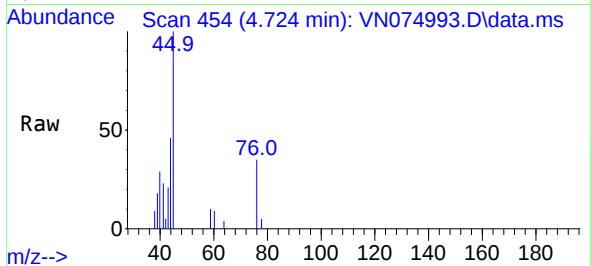




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.724 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

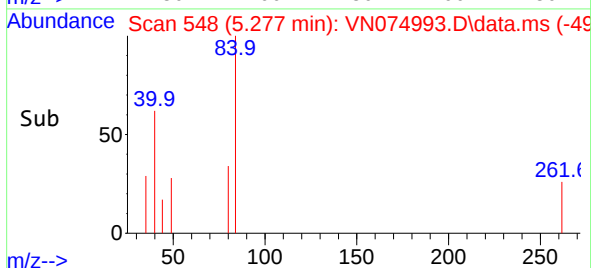
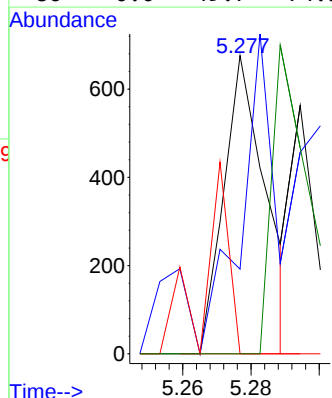
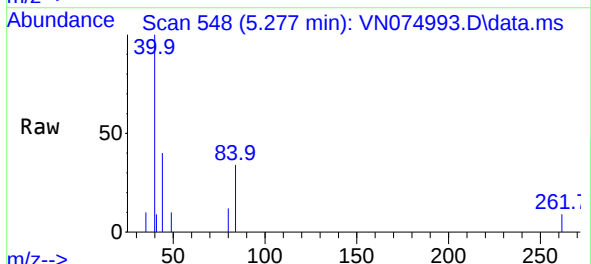
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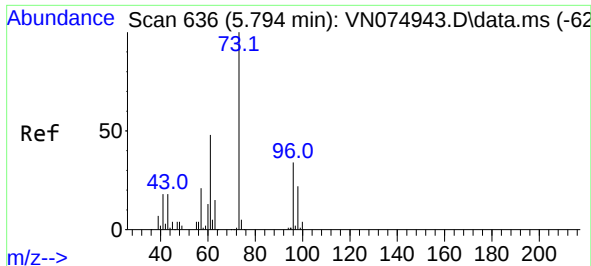
Tgt Ion: 76 Resp: 2513
Ion Ratio Lower Upper
76 100
78 15.5 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 84 Resp: 580
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#

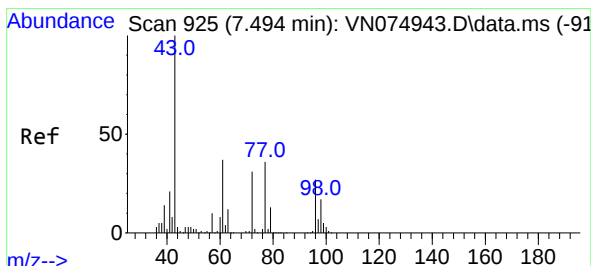
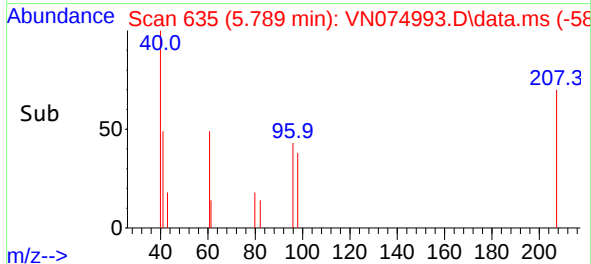
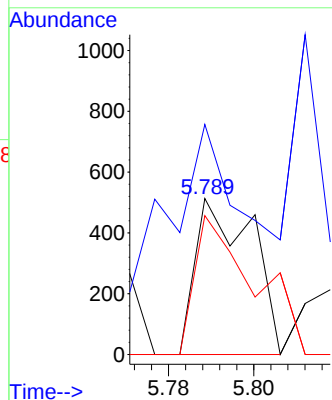
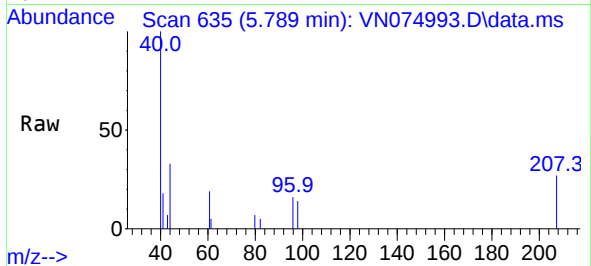




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.789 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

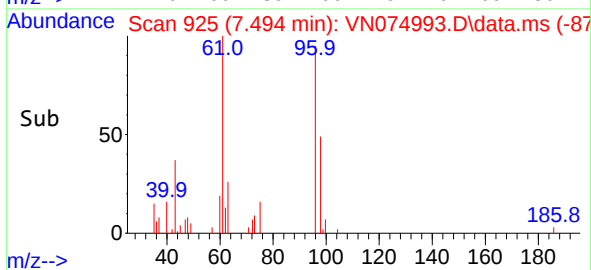
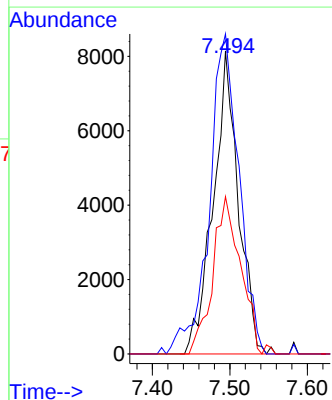
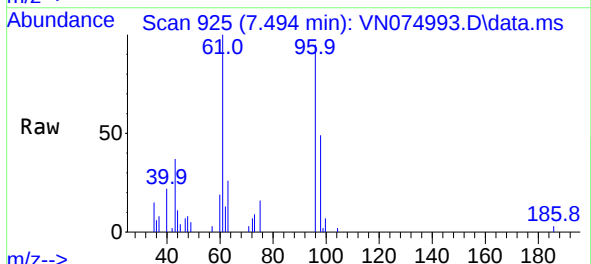
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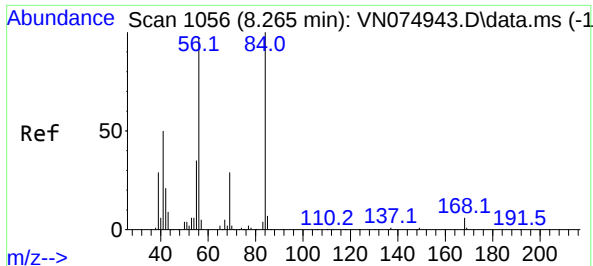
Tgt Ion: 96 Resp: 469
Ion Ratio Lower Upper
96 100
61 74.1 112.6 169.0#
98 89.1 52.4 78.6#



#27
cis-1,2-Dichloroethene
Concen: 0.304 ug/l
RT: 7.494 min Scan# 925
Delta R.T. -0.000 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 96 Resp: 18448
Ion Ratio Lower Upper
96 100
61 124.0 0.0 277.8
98 57.0 0.0 127.2

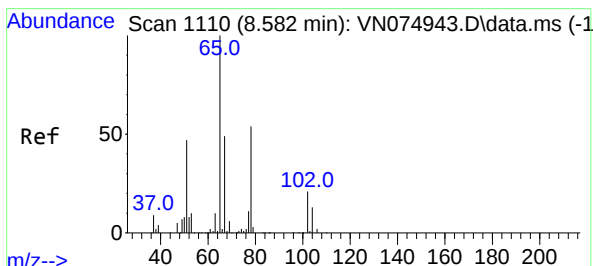
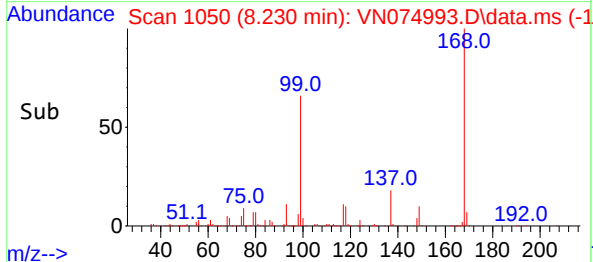
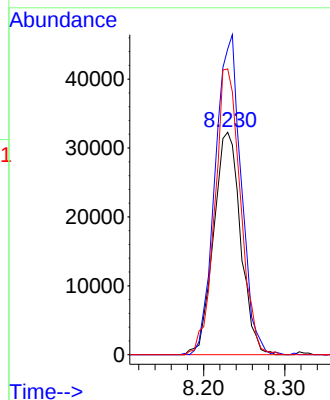
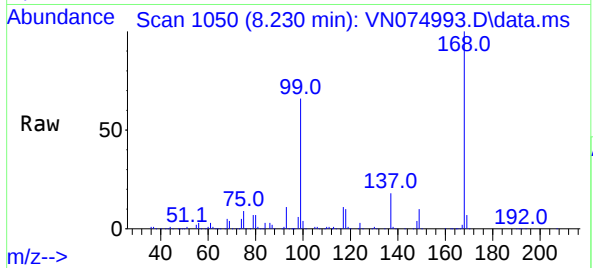




#31
Cyclohexane
Concen: 1.009 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

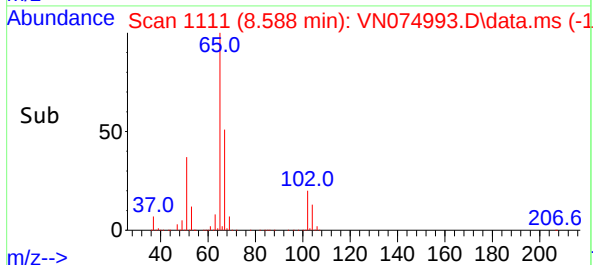
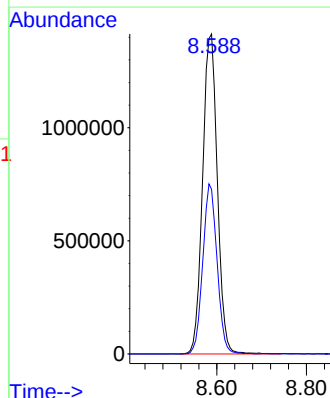
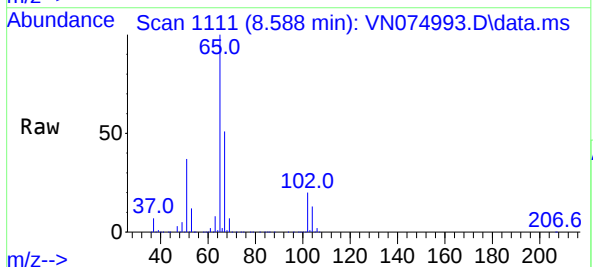
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-32-20221019

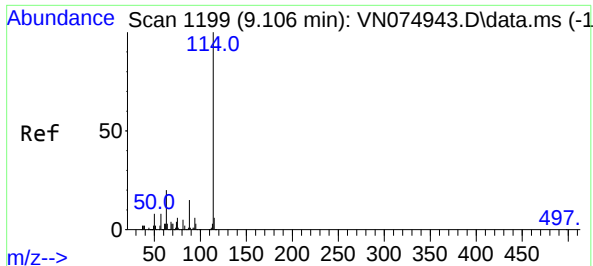
Tgt Ion: 56 Resp: 74392
Ion Ratio Lower Upper
56 100
69 137.5 24.2 36.2#
84 128.5 82.8 124.2#



#33
1,2-Dichloroethane-d4
Concen: 44.726 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 65 Resp: 3226730
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6

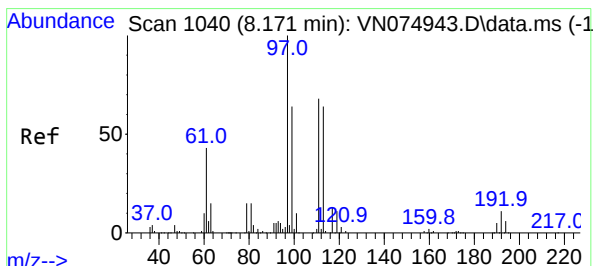
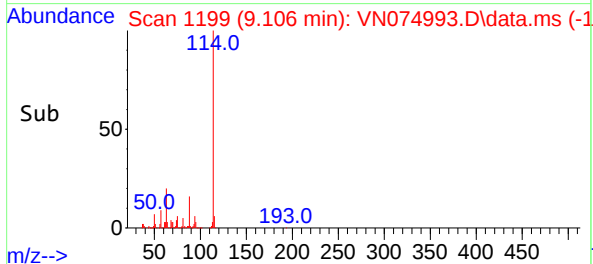
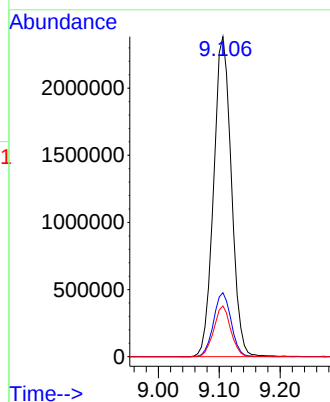
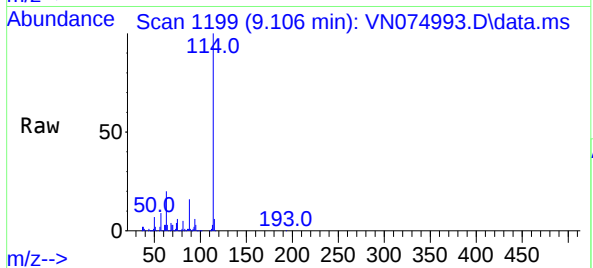




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

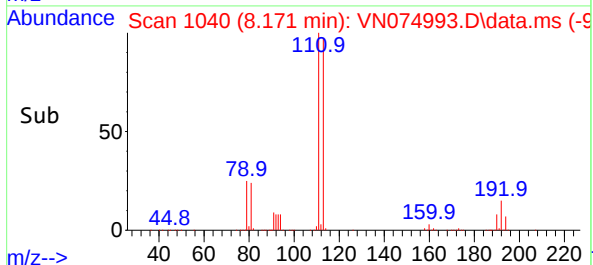
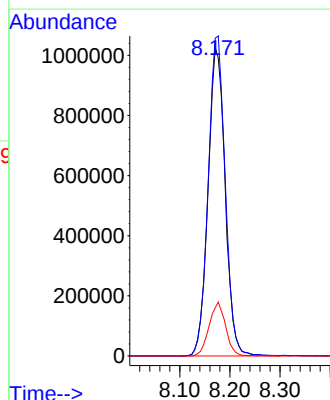
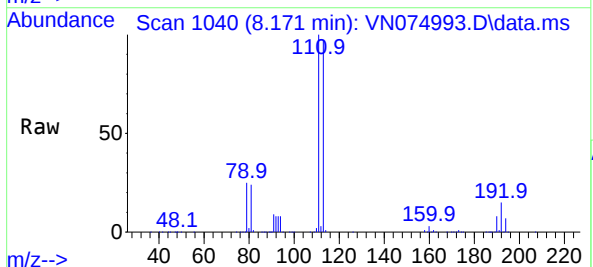
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-32-20221019

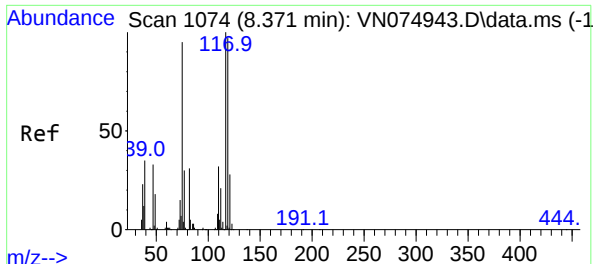
Tgt Ion:114 Resp: 4812265
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.8
88 15.9 0.0 30.4



#35
Dibromofluoromethane
Concen: 42.341 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion:113 Resp: 2425244
Ion Ratio Lower Upper
113 100
111 103.8 83.4 125.2
192 16.9 13.3 19.9





#36

1,1-Dichloropropene

Concen: 3.374 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN074993.D

Acq: 24 Oct 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-32-20221019

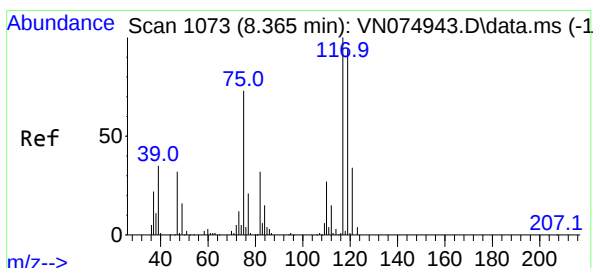
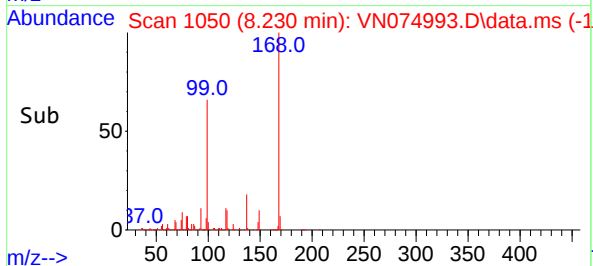
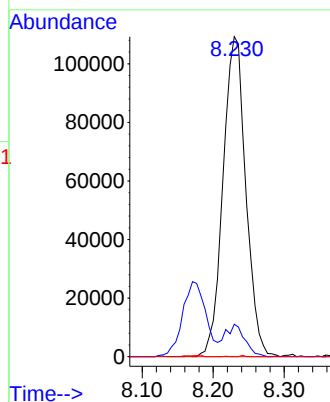
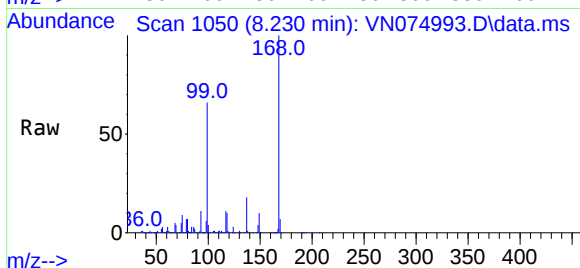
Tgt Ion: 75 Resp: 243402

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

77 0.1 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 3.876 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN074993.D

Acq: 24 Oct 2022 19:02

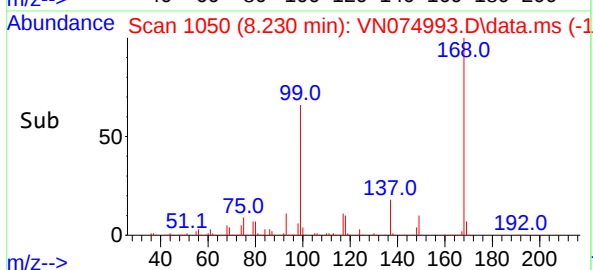
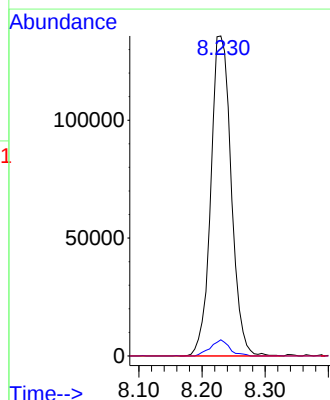
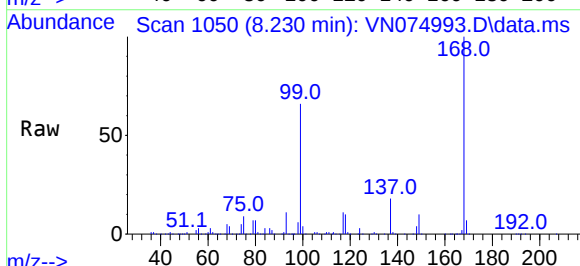
Tgt Ion: 117 Resp: 304364

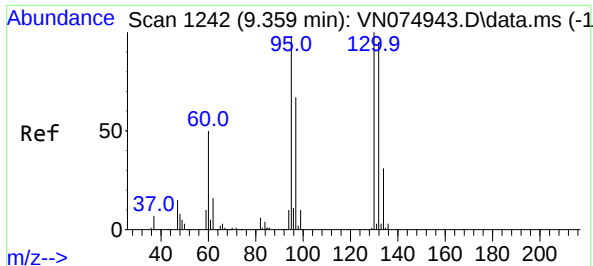
Ion Ratio Lower Upper

117 100

119 5.0 75.2 112.8#

121 0.0 27.0 40.6#

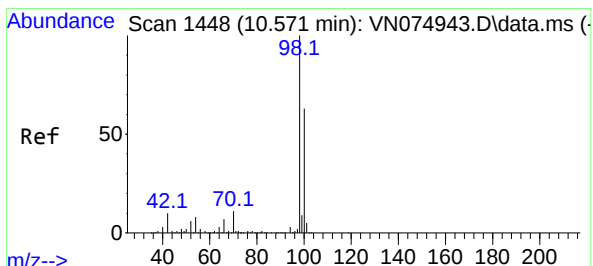
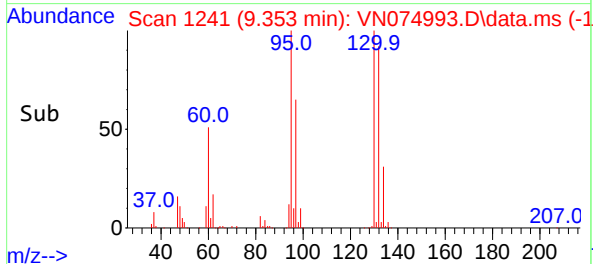
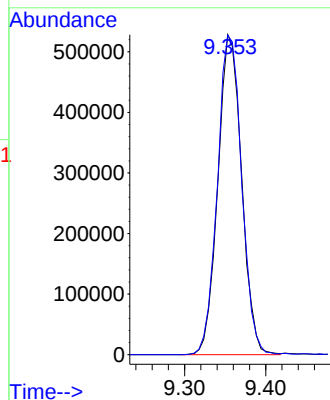
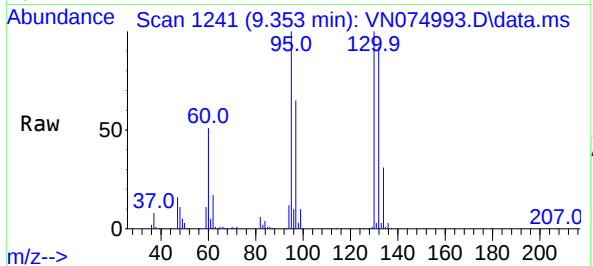




#44
Trichloroethene
Concen: 19.651 ug/l
RT: 9.353 min Scan# 1242
Delta R.T. -0.006 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

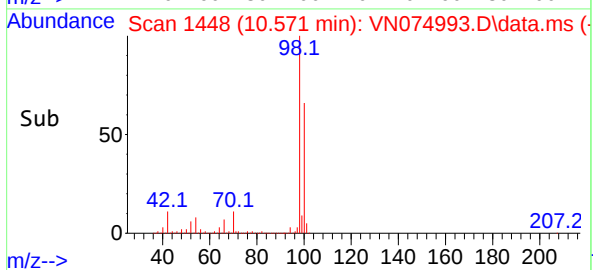
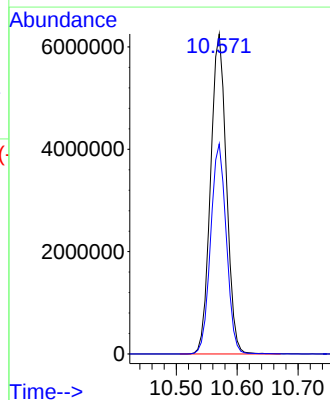
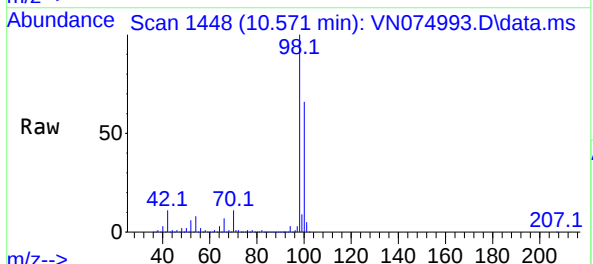
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-32-20221019

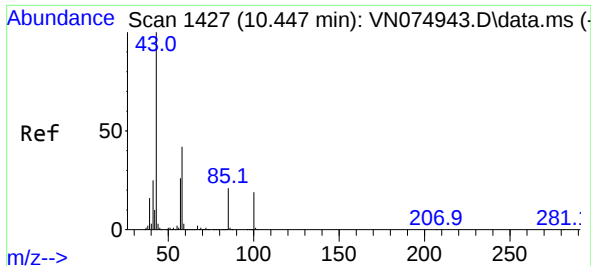
Tgt Ion:130 Resp: 1072588
Ion Ratio Lower Upper
130 100
95 99.9 0.0 195.8



#50
Toluene-d8
Concen: 51.275 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 98 Resp:11268324
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 0.526 ug/l

RT: 10.565 min Scan# 1427

Delta R.T. 0.118 min

Lab File: VN074993.D

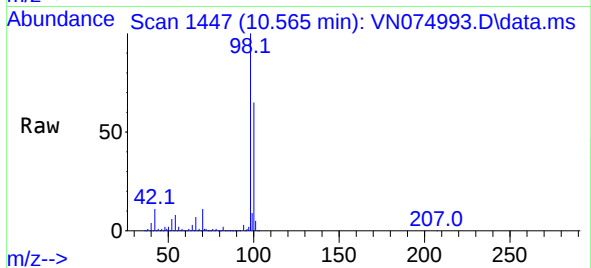
Acq: 24 Oct 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-32-20221019

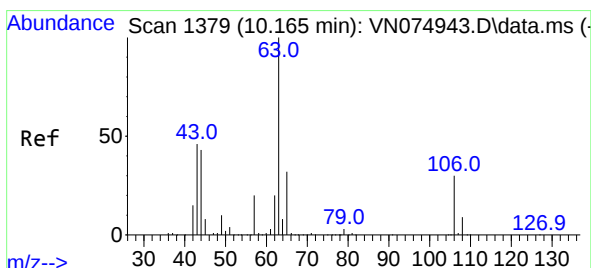
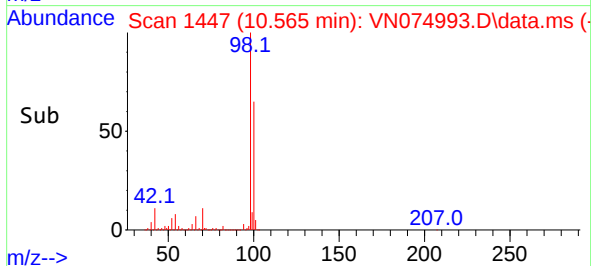
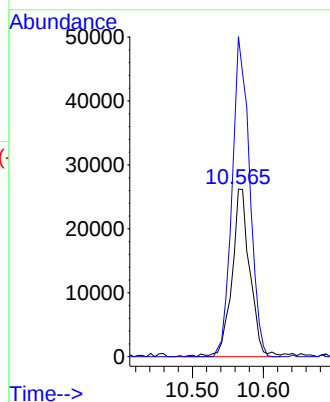


Tgt Ion: 43 Resp: 45886

Ion Ratio Lower Upper

43 100

58 186.9 33.6 50.4#



#58

2-Chloroethyl Vinyl ether

Concen: 3.612 ug/l

RT: 10.171 min Scan# 1380

Delta R.T. 0.006 min

Lab File: VN074993.D

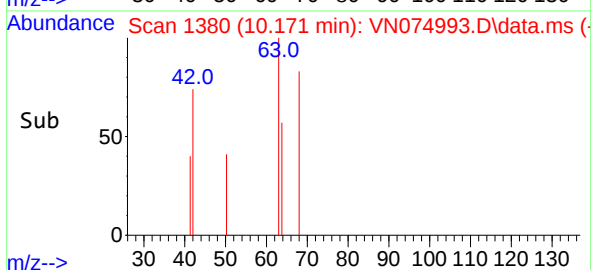
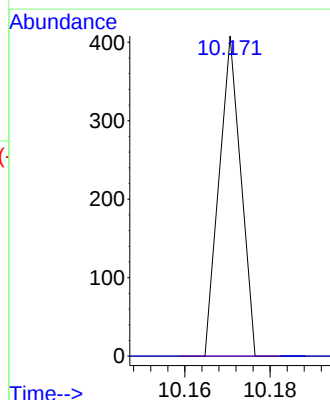
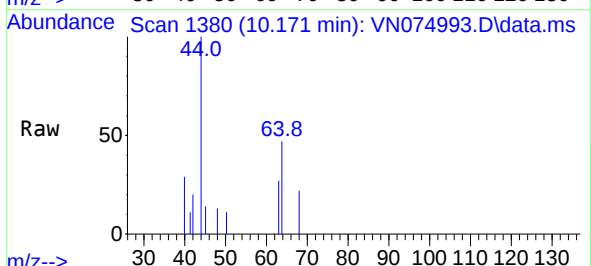
Acq: 24 Oct 2022 19:02

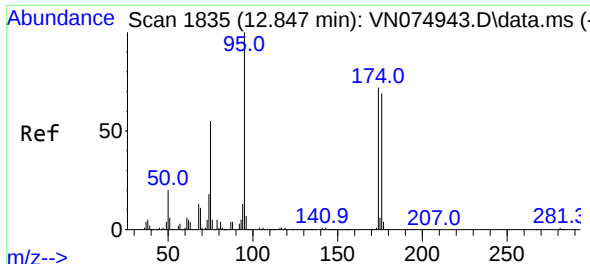
Tgt Ion: 63 Resp: 144

Ion Ratio Lower Upper

63 100

106 0.0 24.1 36.1#

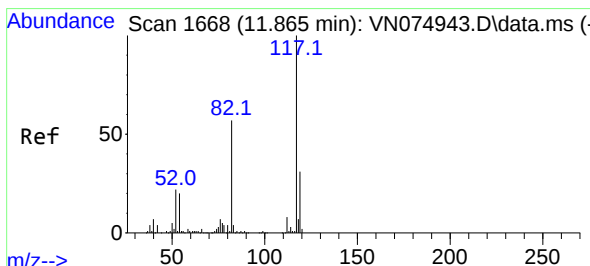
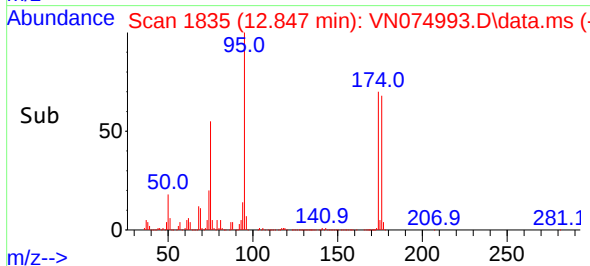
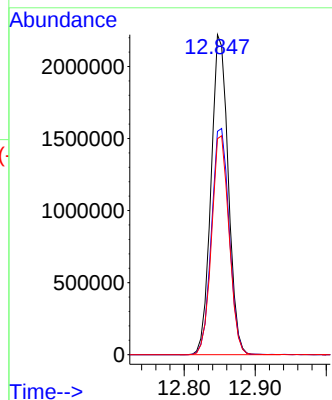
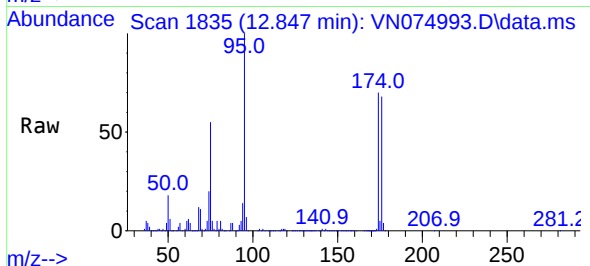




#62
4-Bromofluorobenzene
Concen: 48.024 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

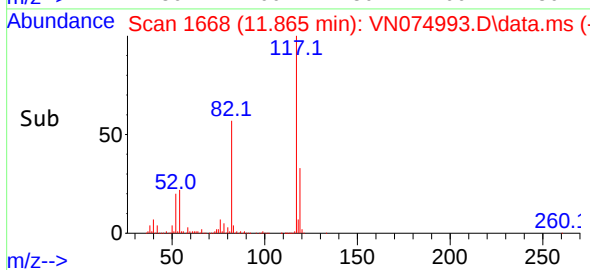
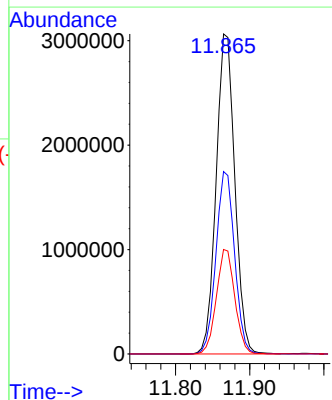
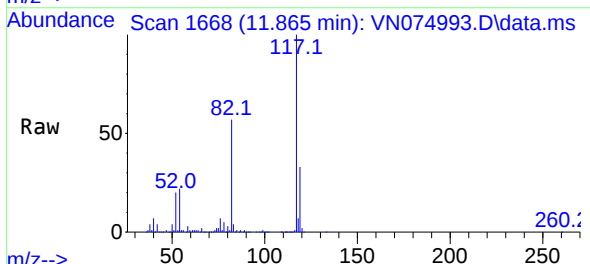
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-32-20221019

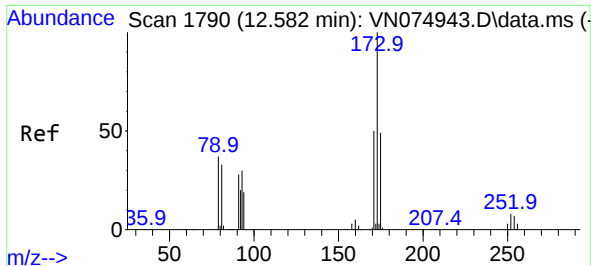
Tgt Ion: 95 Resp: 3722750
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.0
176 69.4 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 117 Resp: 5369548
Ion Ratio Lower Upper
117 100
82 57.0 45.6 68.4
119 32.7 25.1 37.7

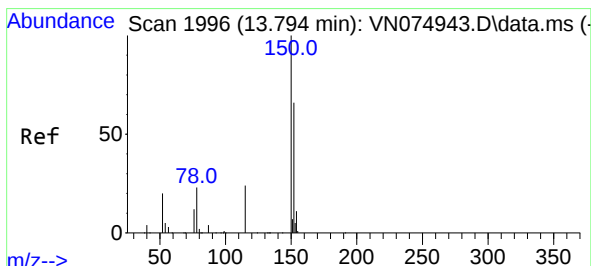
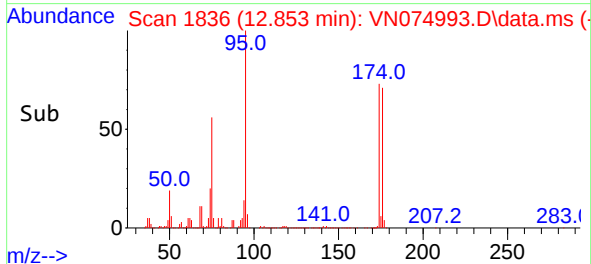
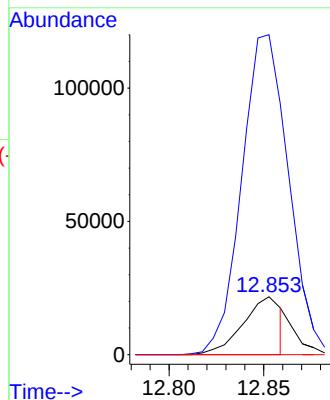
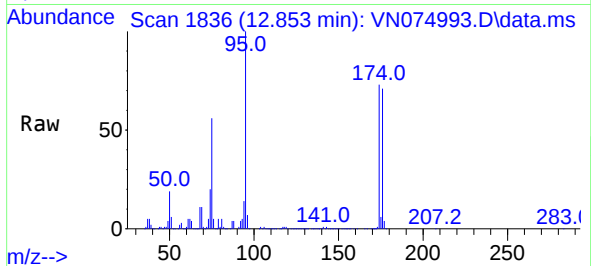




#71
Bromoform
Concen: 0.660 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

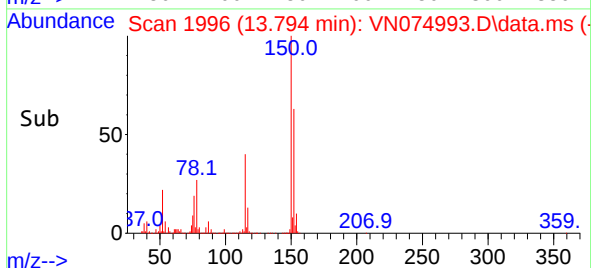
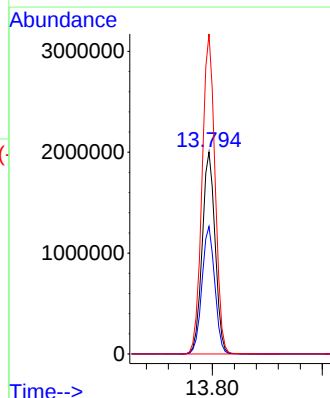
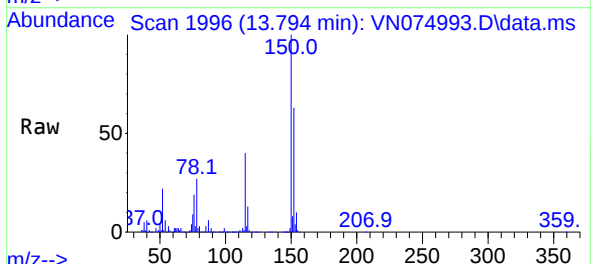
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-32-20221019

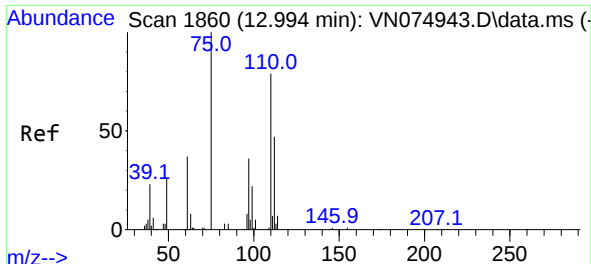
Tgt Ion:173 Resp: 30485
Ion Ratio Lower Upper
173 100
175 562.5 24.8 74.3#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion:152 Resp: 3263768
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.8
150 159.1 0.0 349.6

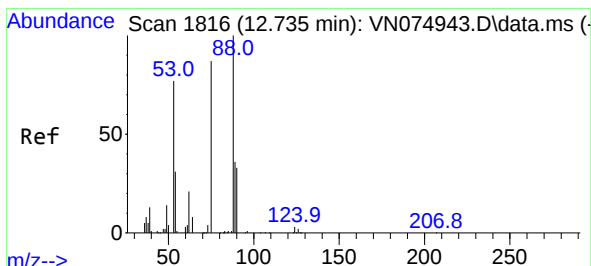
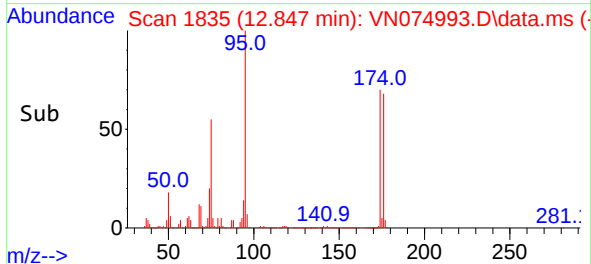
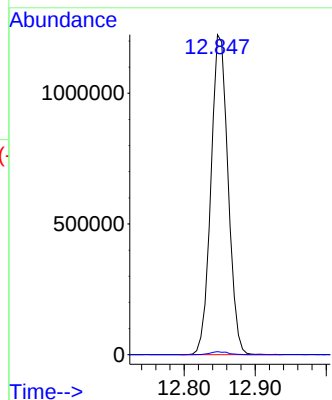
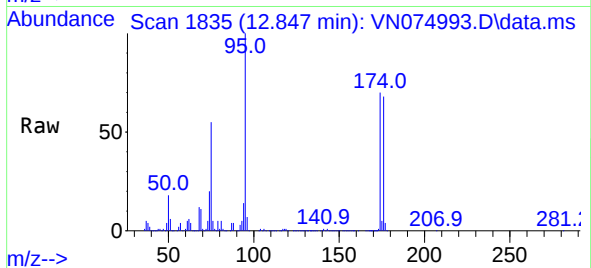




#76
1,2,3-Trichloropropane
Concen: 23.143 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-32-20221019

Tgt Ion: 75 Resp: 2048387
Ion Ratio Lower Upper
75 100
77 1.0 81.0 243.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.202 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074993.D
Acq: 24 Oct 2022 19:02

Tgt Ion: 75 Resp: 2048387
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#

