

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074988.D
 Acq On : 24 Oct 2022 17:01
 Operator : JC\MD
 Sample : N5222-15RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 06:40:20 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

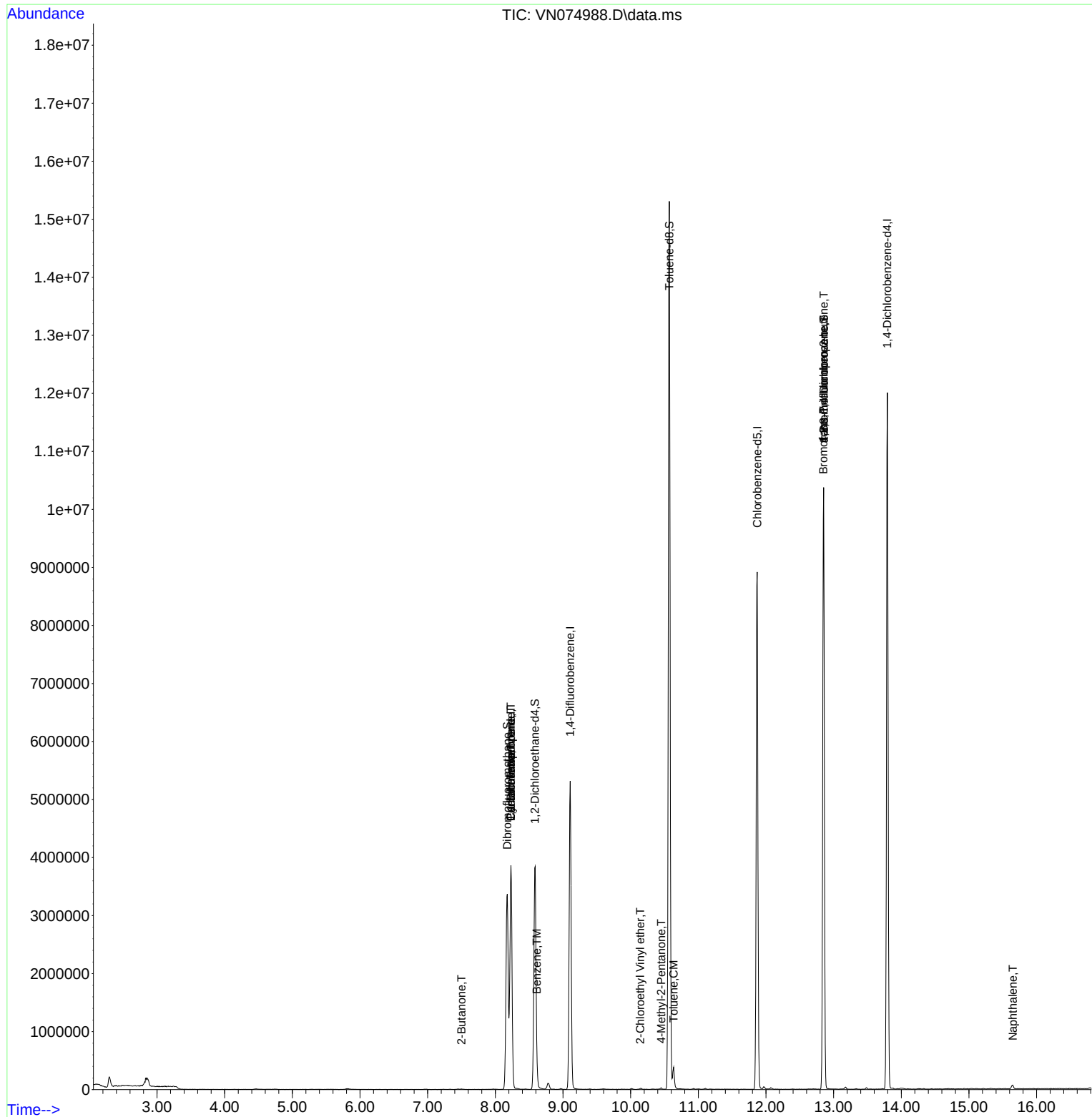
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	2640932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	4589189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	5059172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3083106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	3095748	44.119	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.240%
35) Dibromofluoromethane	8.177	113	2356419	43.140	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.280%
50) Toluene-d8	10.571	98	10713762	51.121	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.240%
62) 4-Bromofluorobenzene	12.853	95	3529022	47.737	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	2606	Below Cal		88
4) Vinyl Chloride	2.530	62	609	Below Cal		94
5) Bromomethane	2.918	94	1165	Below Cal	#	32
7) Trichlorofluoromethane	3.318	101	244	Below Cal	#	18
12) 1,1-Dichloroethene	4.277	96	128	Below Cal	#	1
13) Acrolein	4.200	56	1502	Below Cal	#	49
16) Acetone	4.448	43	11686	Below Cal	#	88
17) Carbon Disulfide	4.706	76	711	Below Cal	#	74
20) Methylene Chloride	5.289	84	796	Below Cal	#	71
21) trans-1,2-Dichloroethene	5.753	96	149	Below Cal	#	1
25) 2-Butanone	7.500	43	9388	0.220 ug/l	#	79
31) Cyclohexane	8.230	56	67370	0.940 ug/l	#	43
36) 1,1-Dichloropropene	8.230	75	237092	3.447 ug/l	#	49
38) Carbon Tetrachloride	8.230	117	290716	3.882 ug/l	#	15
40) Benzene	8.612	78	115325	0.544 ug/l		100
51) 4-Methyl-2-Pentanone	10.453	43	16659	0.200 ug/l		89
52) Toluene	10.635	92	147730	1.068 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	124	3.612 ug/l	#	45
71) Bromoform	12.847	173	30908	0.710 ug/l	#	1
76) 1,2,3-Trichloropropane	12.853	75	1943351	23.243 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	1943351	74.522 ug/l	#	10
95) Naphthalene	15.647	128	59912	0.320 ug/l	#	96

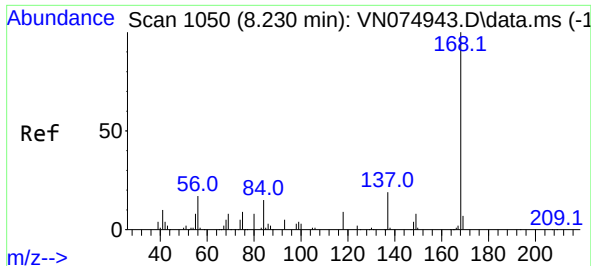
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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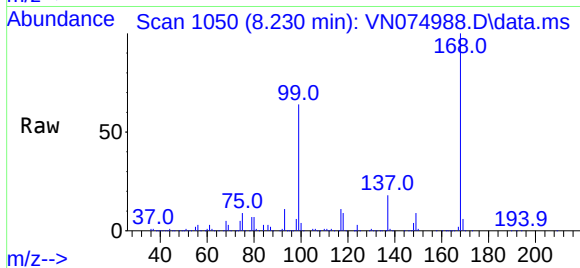
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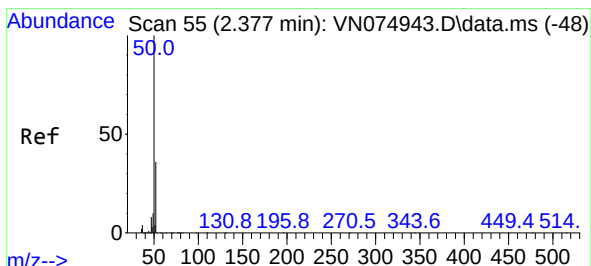
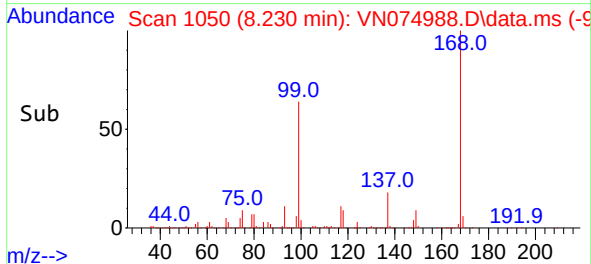
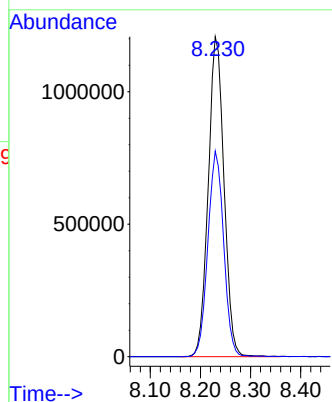


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :

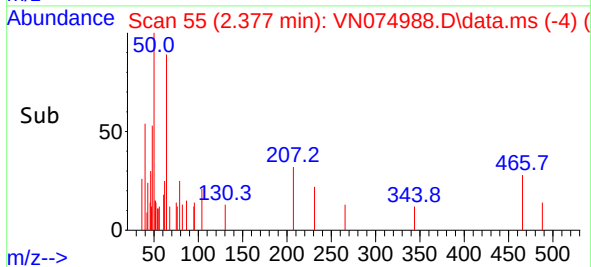
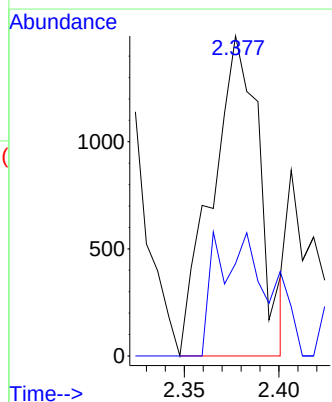
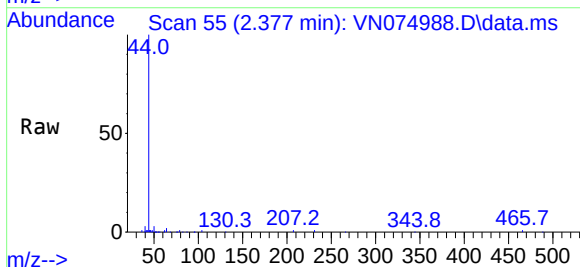


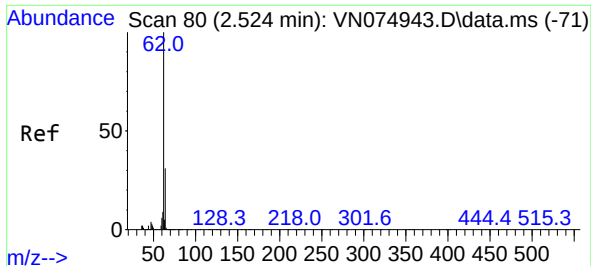
Tgt Ion:168 Resp: 2640932
Ion Ratio Lower Upper
168 100
99 64.3 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 55
Delta R.T. 0.000 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Tgt Ion: 50 Resp: 2606
Ion Ratio Lower Upper
50 100
52 28.9 28.8 43.2

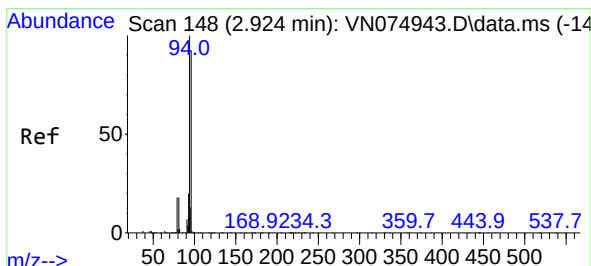
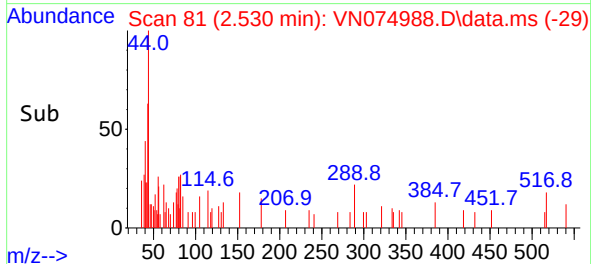
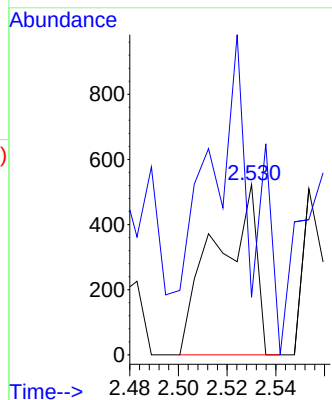
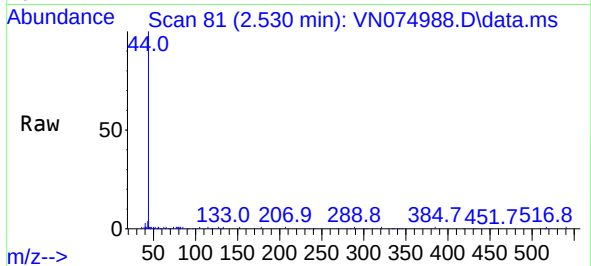




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.530 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VN074988.D
 Acq: 24 Oct 2022 17:01

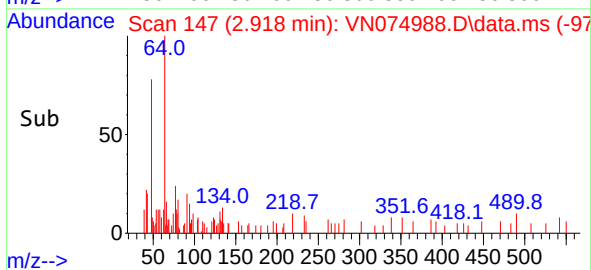
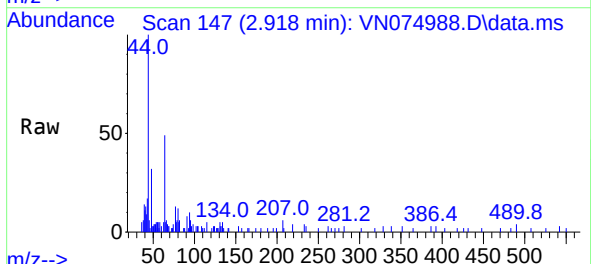
Instrument :
 MSVOA_N
 ClientSampleId :

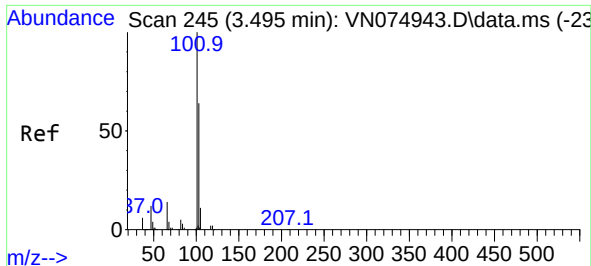
Tgt Ion: 62 Resp: 609
 Ion Ratio Lower Upper
 62 100
 64 33.8 24.5 36.7



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.918 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VN074988.D
 Acq: 24 Oct 2022 17:01

Tgt Ion: 94 Resp: 1165
 Ion Ratio Lower Upper
 94 100
 96 27.3 73.5 110.3#

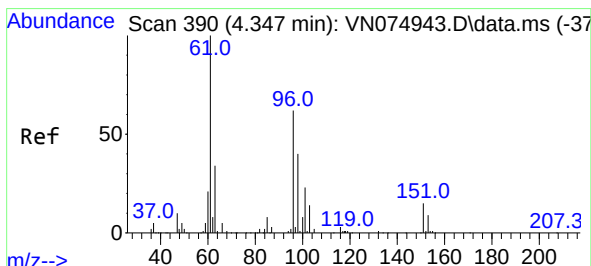
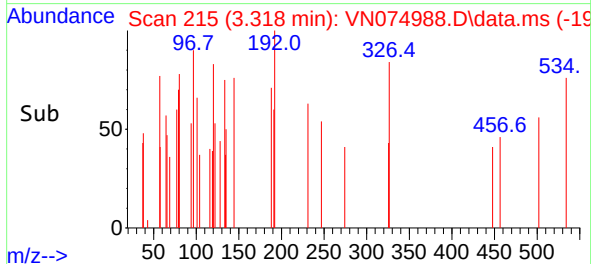
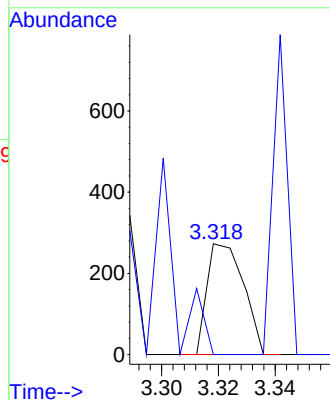
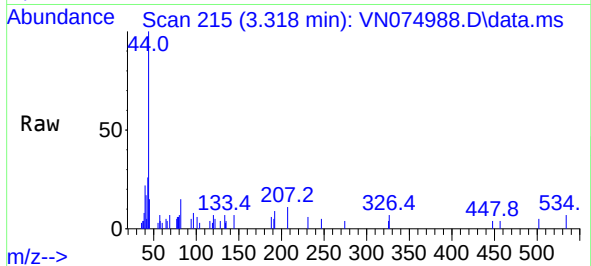




#7
 Trichlorofluoromethane
 Concen: Below Cal
 RT: 3.318 min Scan# 215
 Delta R.T. -0.177 min
 Lab File: VN074988.D
 Acq: 24 Oct 2022 17:01

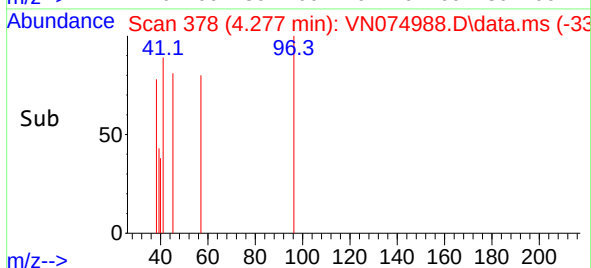
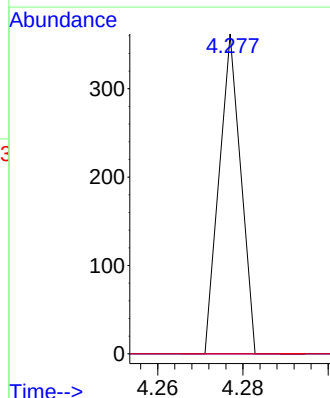
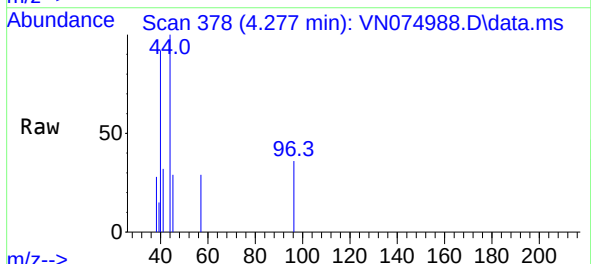
Instrument :
 MSVOA_N
 ClientSampleId :

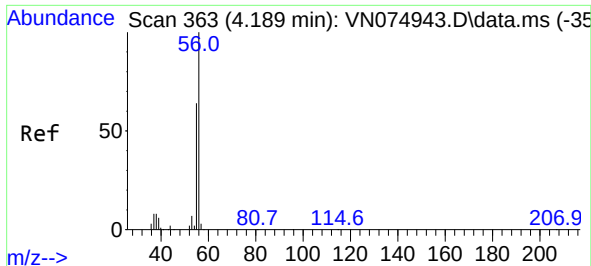
Tgt Ion:101 Resp: 244
 Ion Ratio Lower Upper
 101 100
 103 0.0 51.5 77.3#



#12
 1,1-Dichloroethene
 Concen: Below Cal
 RT: 4.277 min Scan# 378
 Delta R.T. -0.070 min
 Lab File: VN074988.D
 Acq: 24 Oct 2022 17:01

Tgt Ion: 96 Resp: 128
 Ion Ratio Lower Upper
 96 100
 61 0.0 128.9 193.3#
 98 0.0 51.8 77.8#

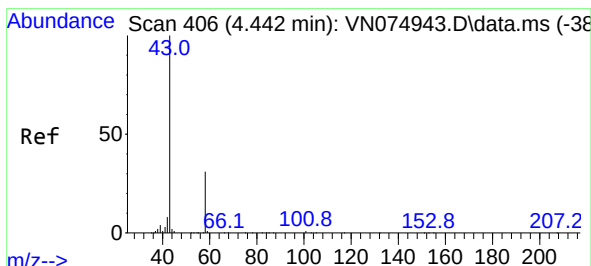
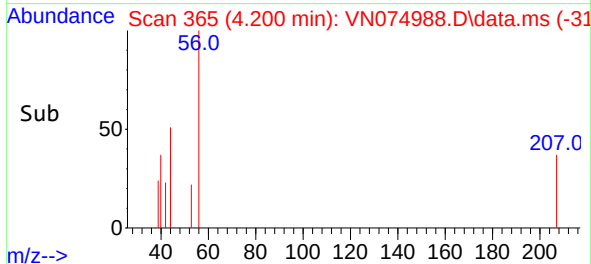
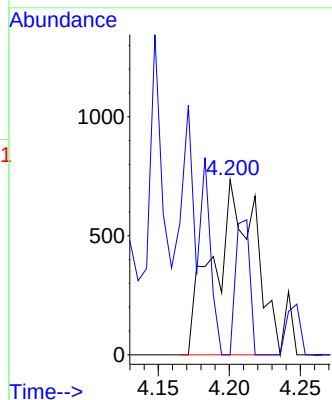
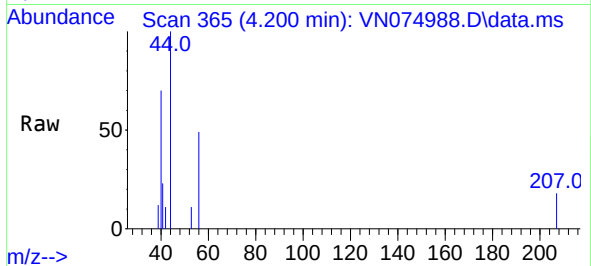




#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 30
Delta R.T. 0.011 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

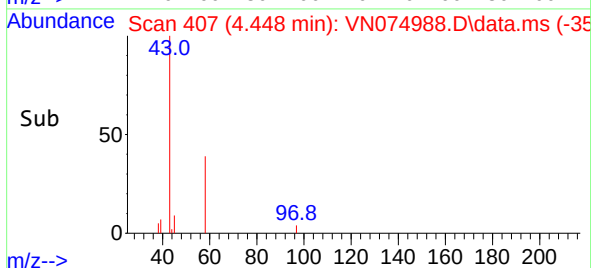
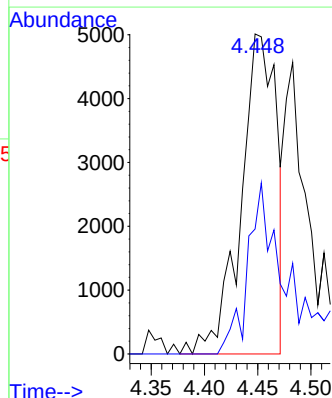
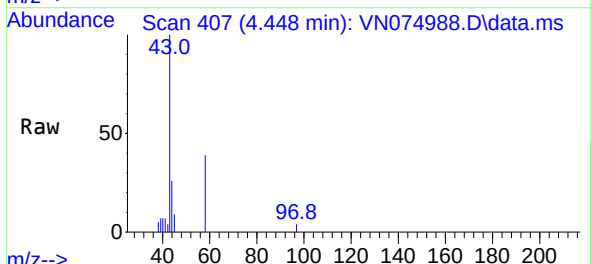
Instrument :
MSVOA_N
ClientSampleId :

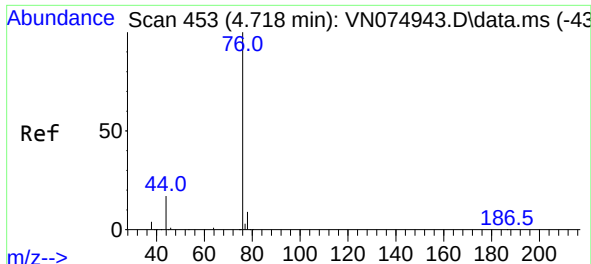
Tgt Ion: 56 Resp: 1502
Ion Ratio Lower Upper
56 100
55 26.2 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Tgt Ion: 43 Resp: 11686
Ion Ratio Lower Upper
43 100
58 39.0 25.7 38.5#

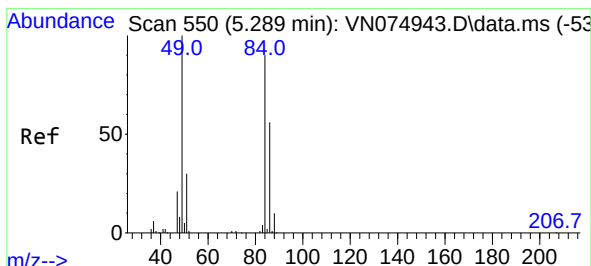
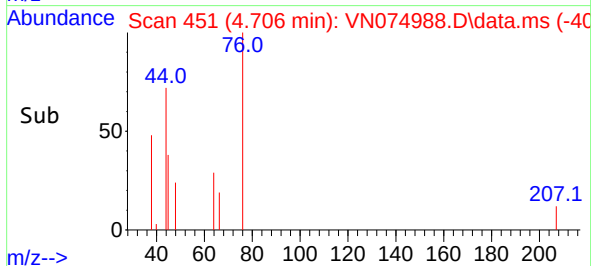
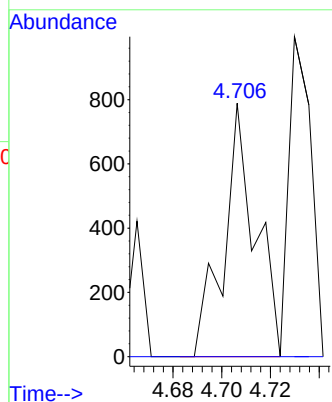
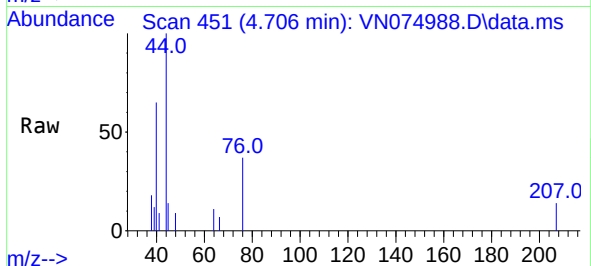




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.706 min Scan# 411
Delta R.T. -0.012 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

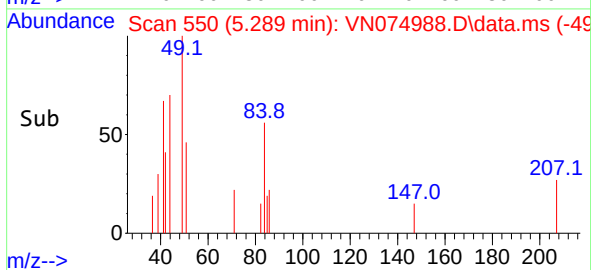
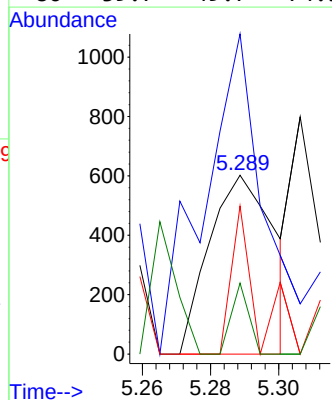
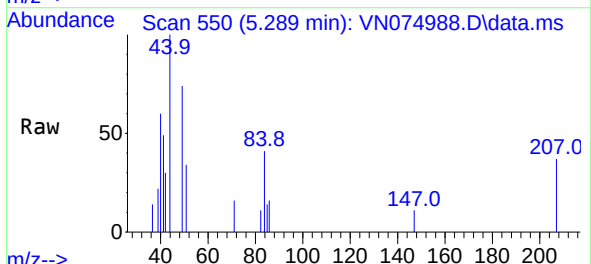
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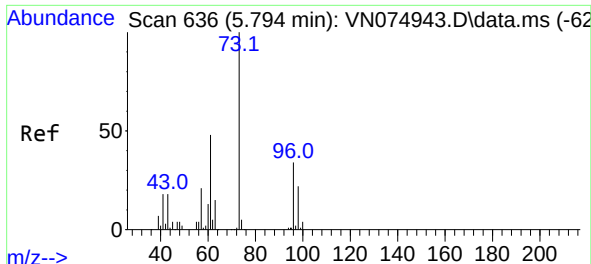
Tgt Ion: 76 Resp: 711
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

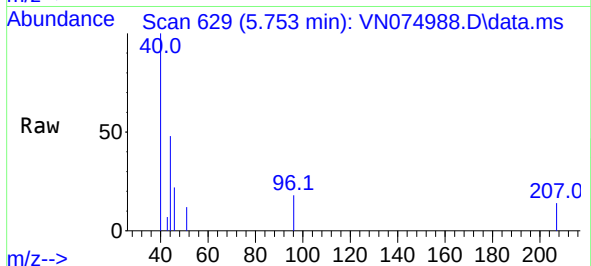
Tgt Ion: 84 Resp: 796
Ion Ratio Lower Upper
84 100
49 123.9 88.6 133.0
51 82.9 26.7 40.1#
86 39.7 49.7 74.5#



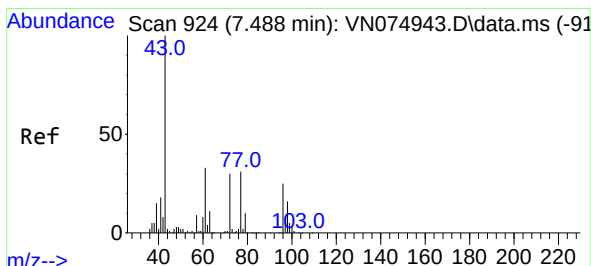
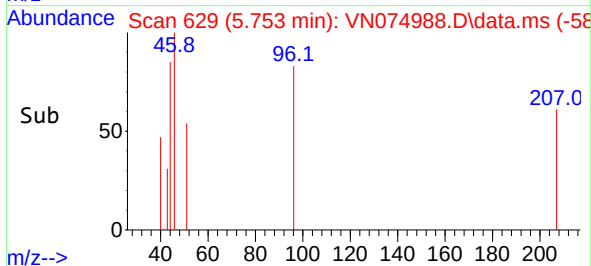
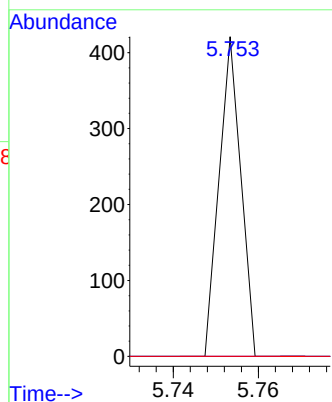


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.753 min Scan# 61
Delta R.T. -0.041 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :

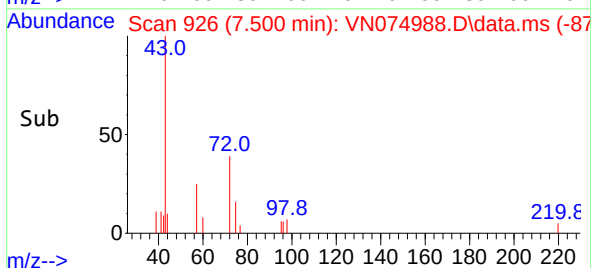
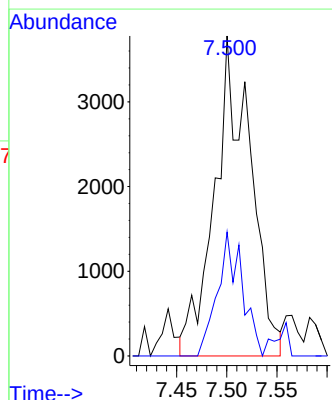
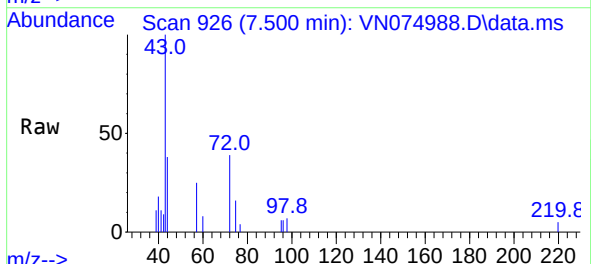


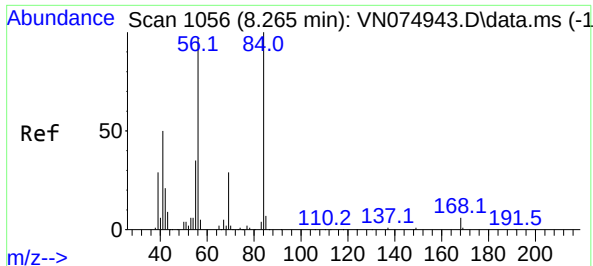
Tgt Ion: 96 Resp: 149
Ion Ratio Lower Upper
96 100
61 0.0 112.6 169.0#
98 0.0 52.4 78.6#



#25
2-Butanone
Concen: 0.220 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Tgt Ion: 43 Resp: 9388
Ion Ratio Lower Upper
43 100
72 41.1 23.9 35.9#





#31

Cyclohexane

Concen: 0.940 ug/l

RT: 8.230 min Scan# 1105

Delta R.T. -0.035 min

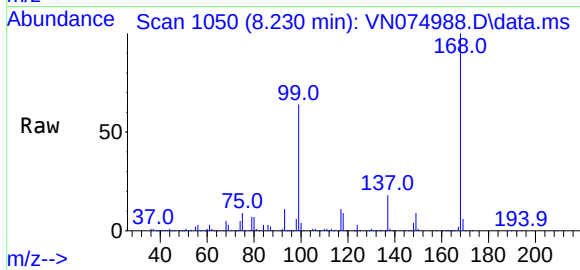
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Acq: 24 Oct 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :



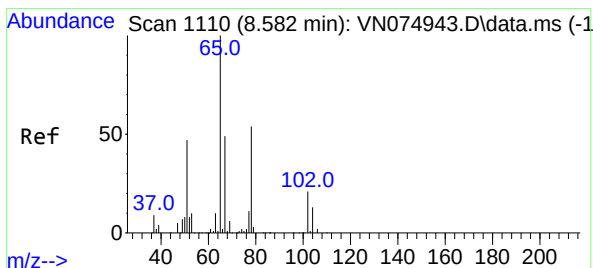
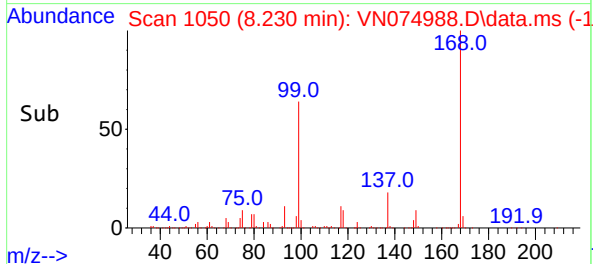
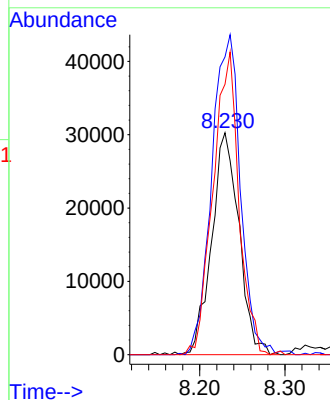
Tgt Ion: 56 Resp: 67370

Ion Ratio Lower Upper

56 100

69 133.5 24.2 36.2#

84 121.8 82.8 124.2



#33

1,2-Dichloroethane-d4

Concen: 44.119 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN074988.D

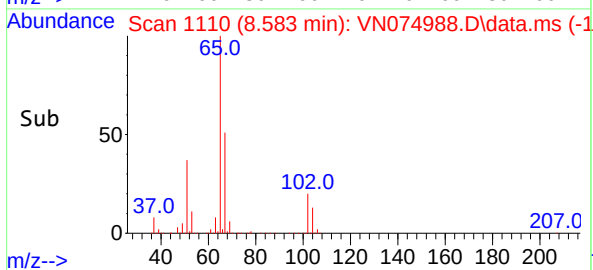
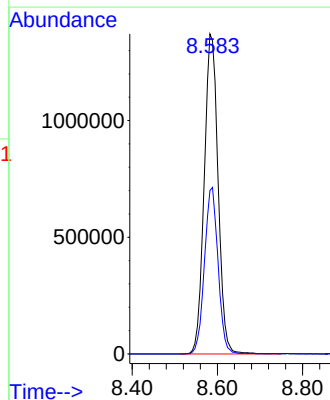
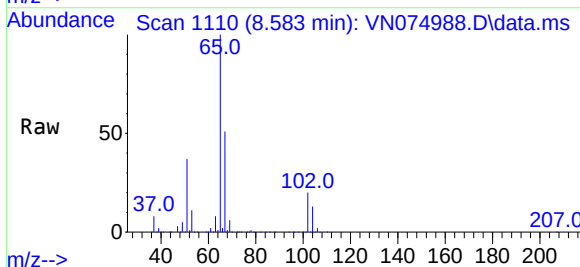
Acq: 24 Oct 2022 17:01

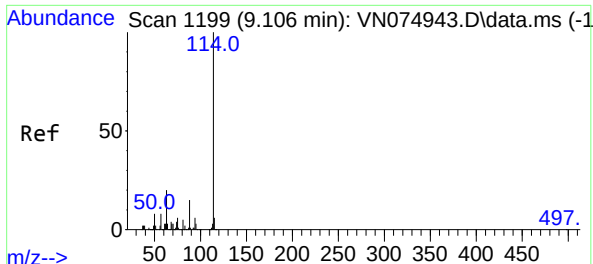
Tgt Ion: 65 Resp: 3095748

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.6

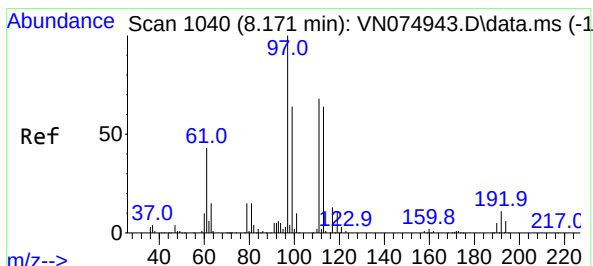
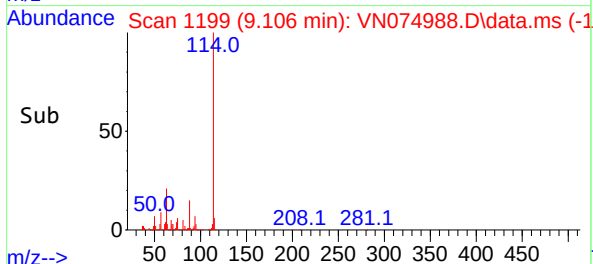
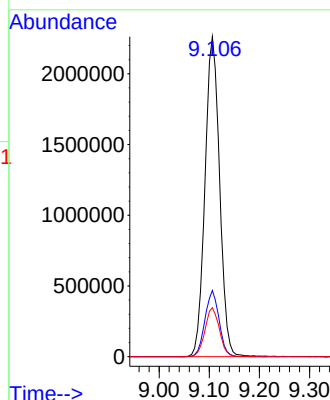
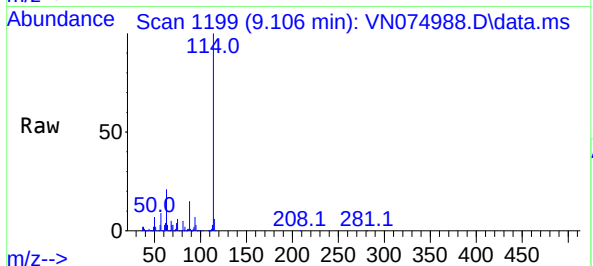




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

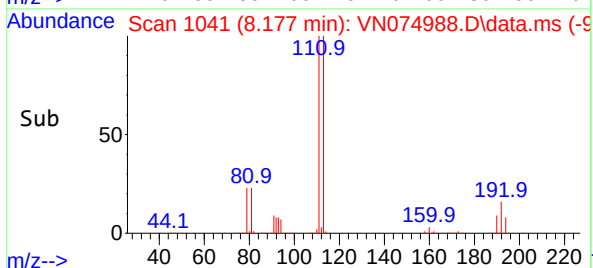
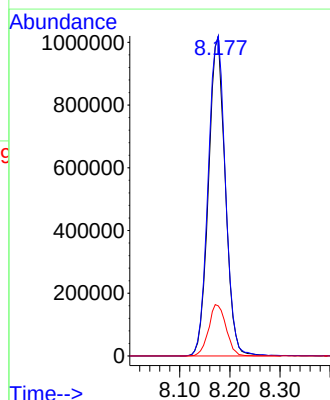
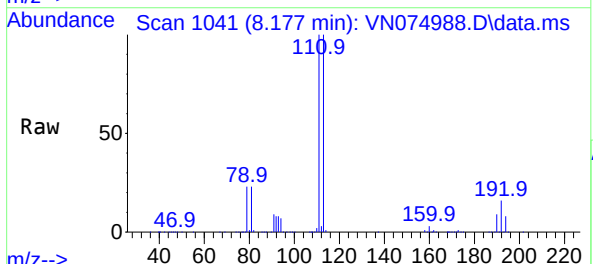
Instrument :
MSVOA_N
ClientSampleId :

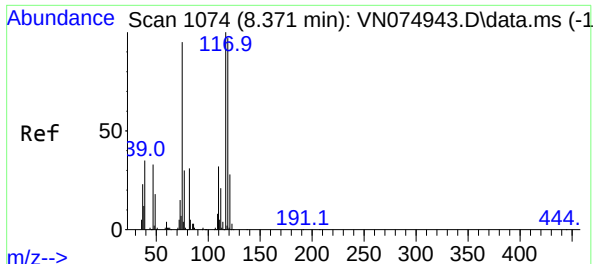
Tgt Ion:114 Resp: 4589189
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.8
88 15.3 0.0 30.4



#35
Dibromofluoromethane
Concen: 43.140 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Tgt Ion:113 Resp: 2356419
Ion Ratio Lower Upper
113 100
111 103.9 83.4 125.2
192 16.8 13.3 19.9





#36

1,1-Dichloropropene

Concen: 3.447 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN074988.D

Acq: 24 Oct 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

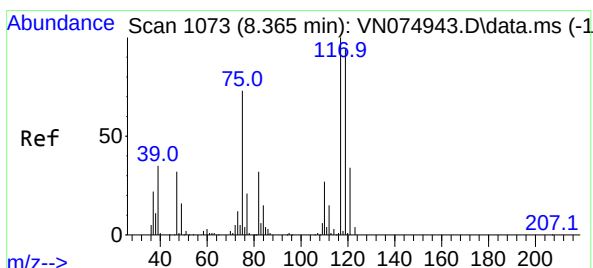
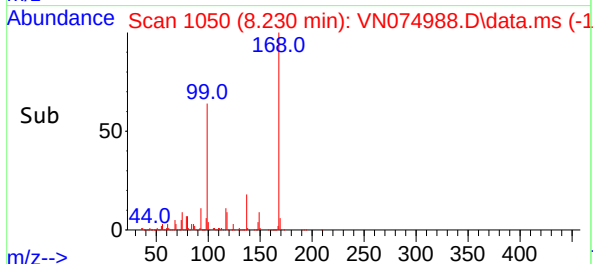
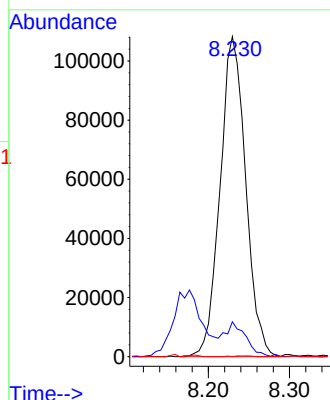
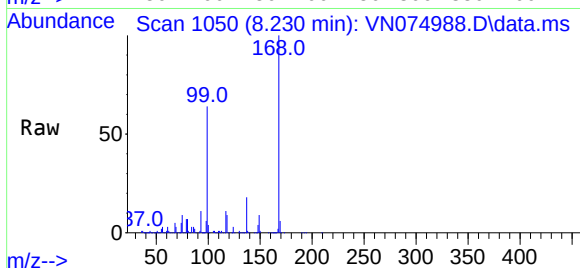
Tgt Ion: 75 Resp: 237092

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 3.882 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN074988.D

Acq: 24 Oct 2022 17:01

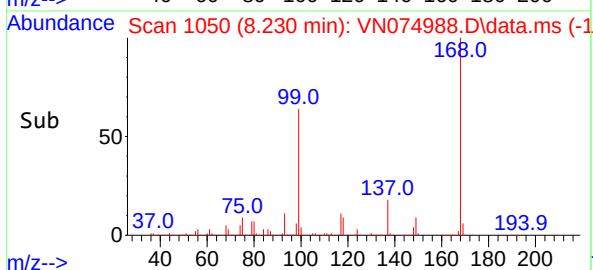
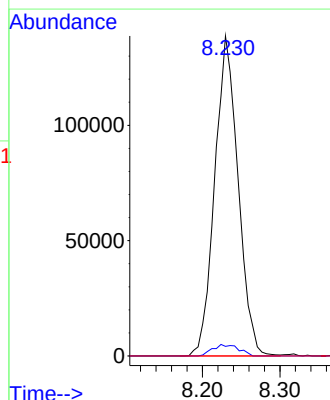
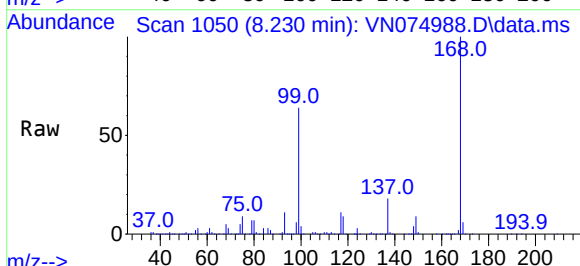
Tgt Ion: 117 Resp: 290716

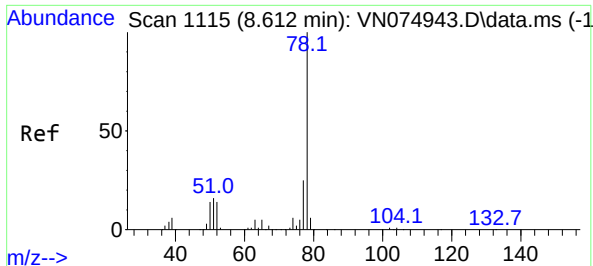
Ion Ratio Lower Upper

117 100

119 3.0 75.2 112.8#

121 0.0 27.0 40.6#

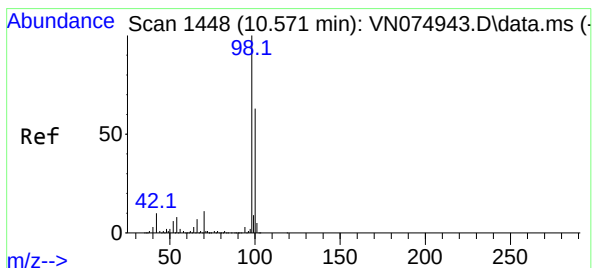
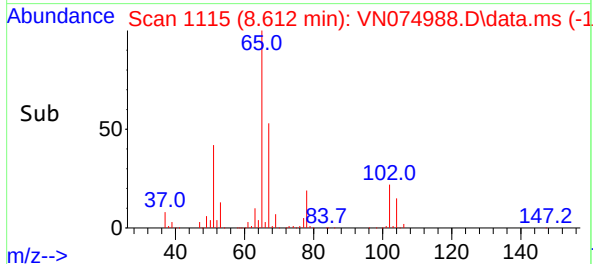
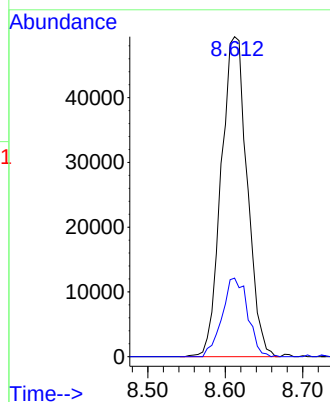
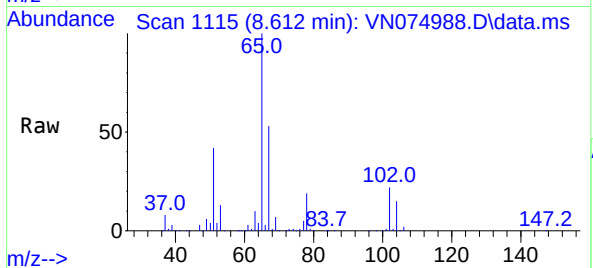




#40
Benzene
Concen: 0.544 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

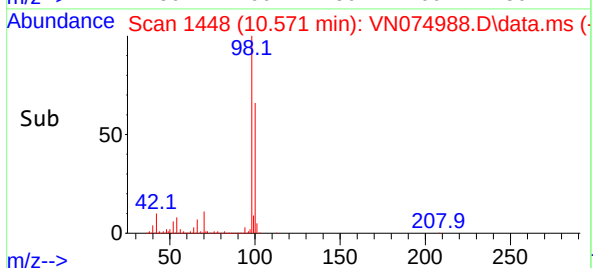
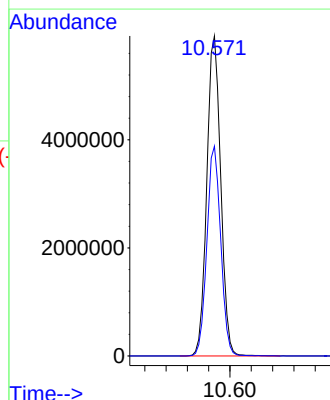
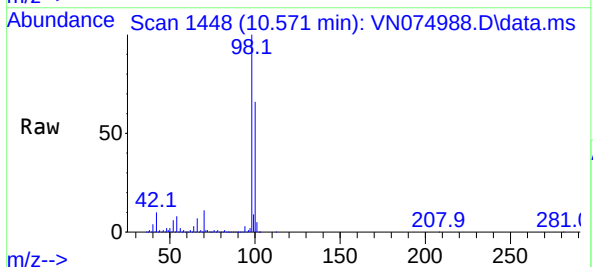
Instrument :
MSVOA_N
ClientSampleId :

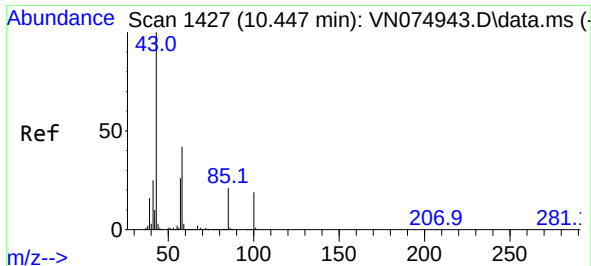
Tgt Ion: 78 Resp: 115325
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4



#50
Toluene-d8
Concen: 51.121 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Tgt Ion: 98 Resp:10713762
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.2

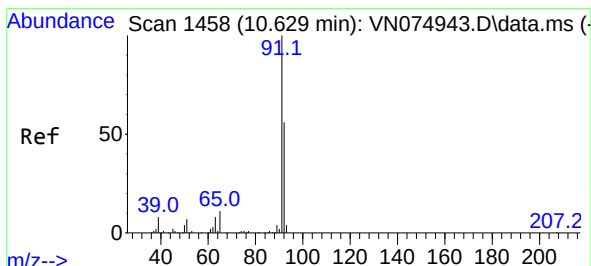
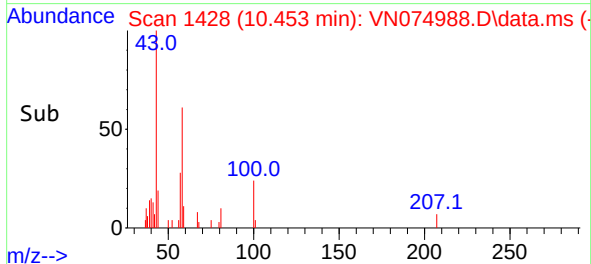
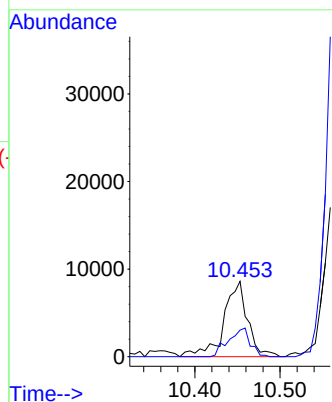
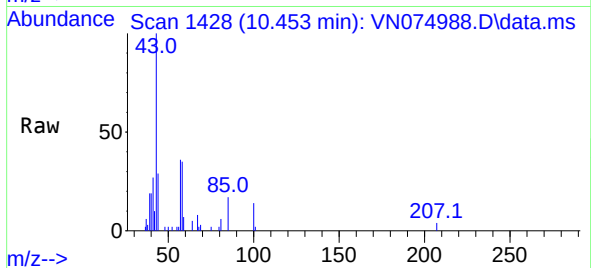




#51
4-Methyl-2-Pentanone
Concen: 0.200 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

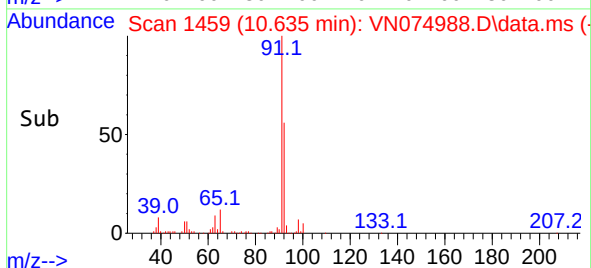
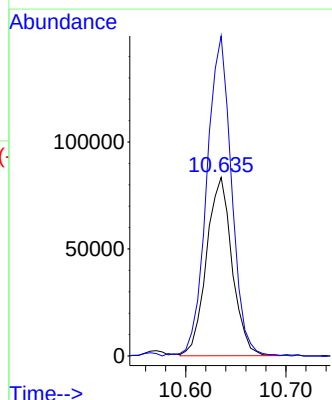
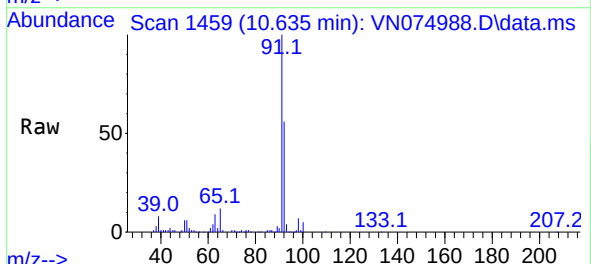
Instrument :
MSVOA_N
ClientSampleId :

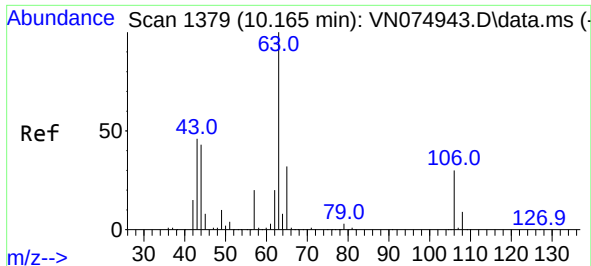
Tgt Ion: 43 Resp: 16659
Ion Ratio Lower Upper
43 100
58 34.8 33.6 50.4



#52
Toluene
Concen: 1.068 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Tgt Ion: 92 Resp: 147730
Ion Ratio Lower Upper
92 100
91 174.1 139.2 208.8

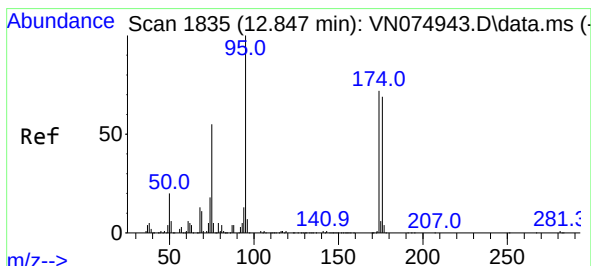
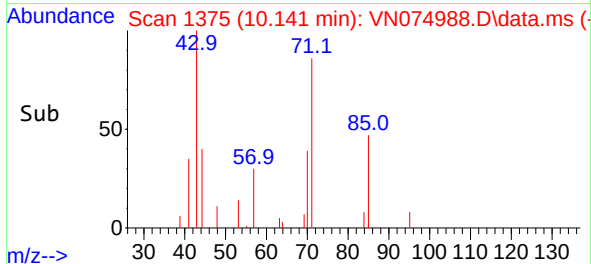
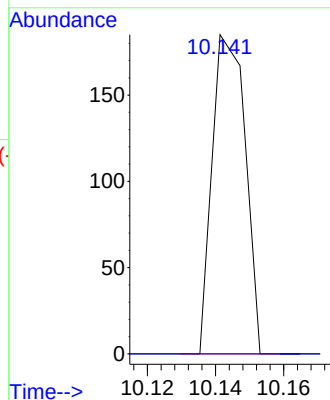
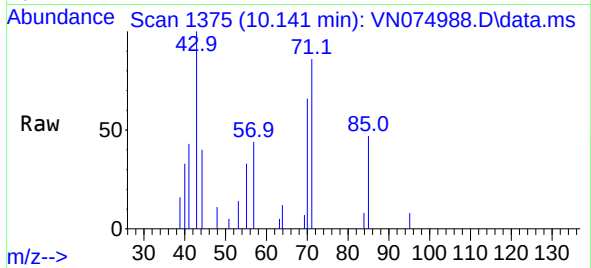




#58
2-Chloroethyl Vinyl ether
Concen: 3.612 ug/l
RT: 10.141 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

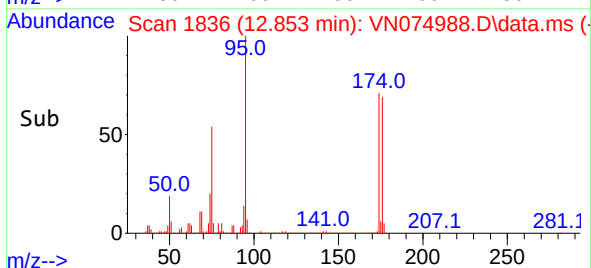
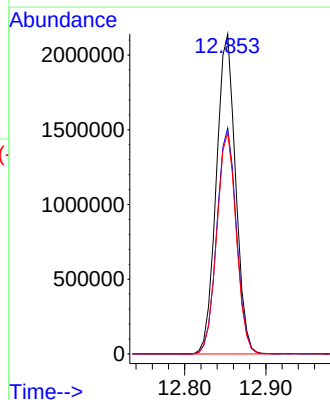
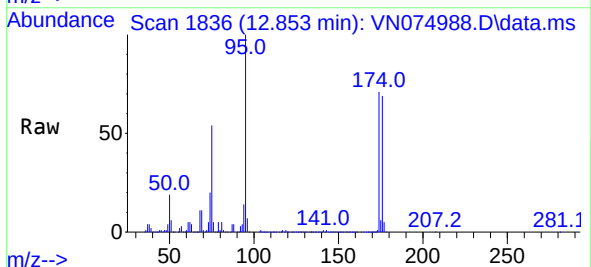
Instrument :
MSVOA_N
ClientSampleId :

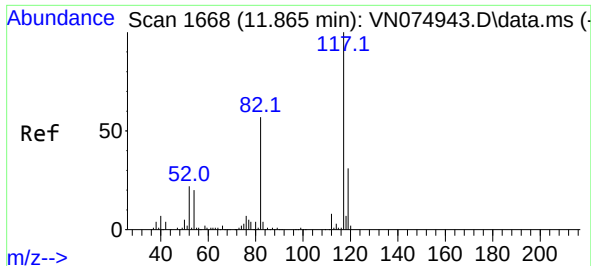
Tgt Ion: 63 Resp: 124
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#



#62
4-Bromofluorobenzene
Concen: 47.737 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

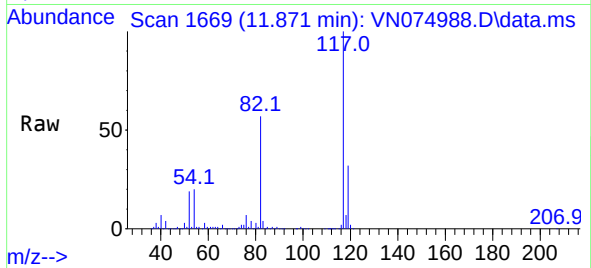
Tgt Ion: 95 Resp: 3529022
Ion Ratio Lower Upper
95 100
174 71.8 0.0 143.0
176 69.8 0.0 138.2



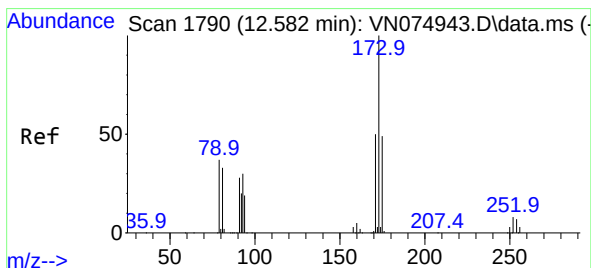
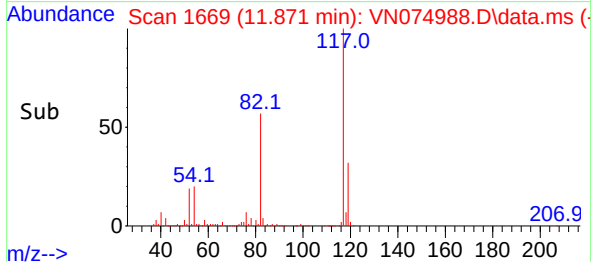
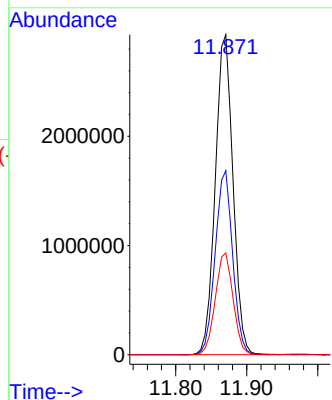


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :

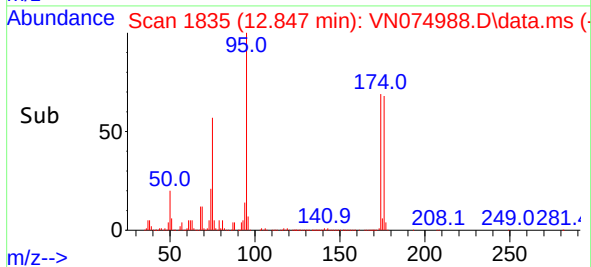
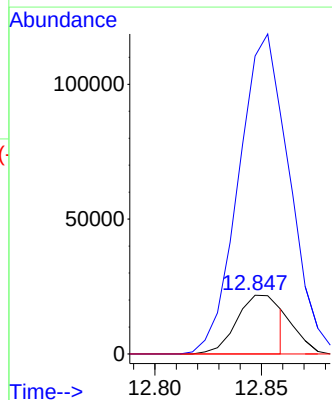
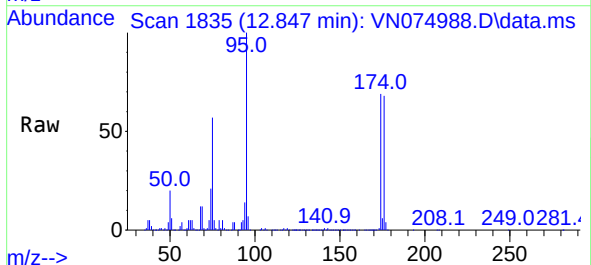


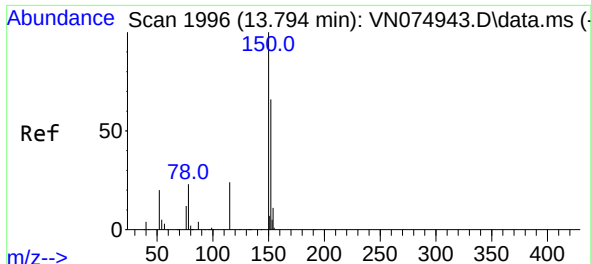
Tgt Ion:117 Resp: 5059172
Ion Ratio Lower Upper
117 100
82 57.5 45.6 68.4
119 31.8 25.1 37.7



#71
Bromoform
Concen: 0.710 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

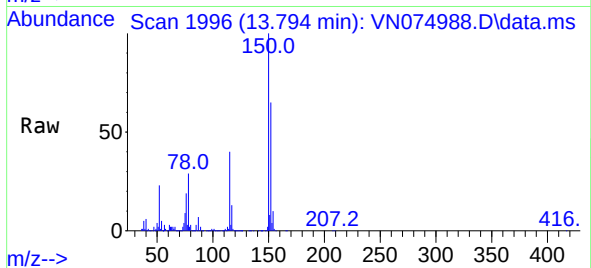
Tgt Ion:173 Resp: 30908
Ion Ratio Lower Upper
173 100
175 524.1 24.8 74.3#
254 0.0 0.1 0.1#



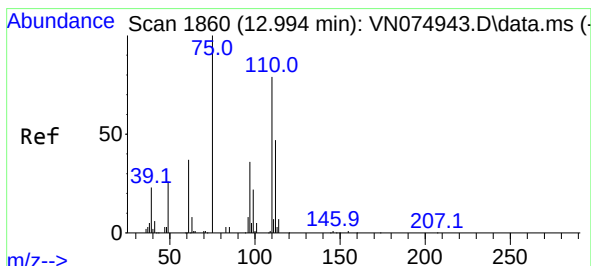
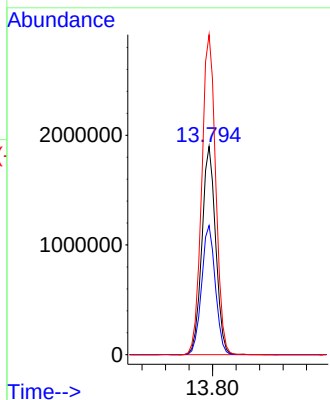
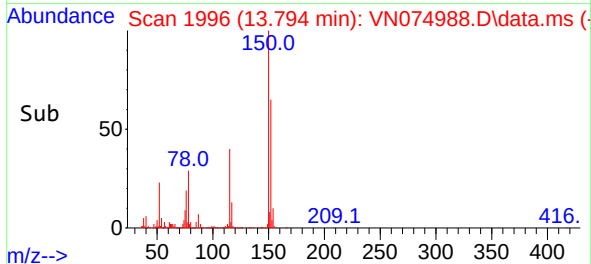


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :

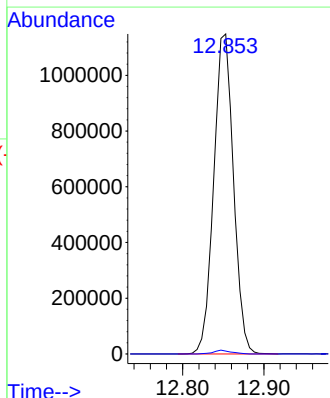
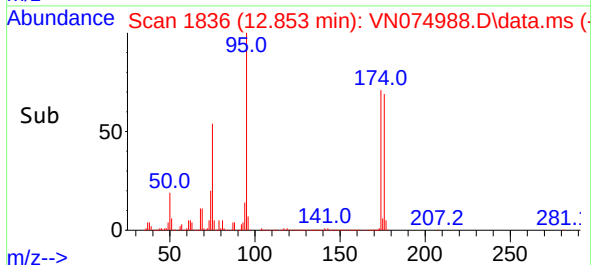
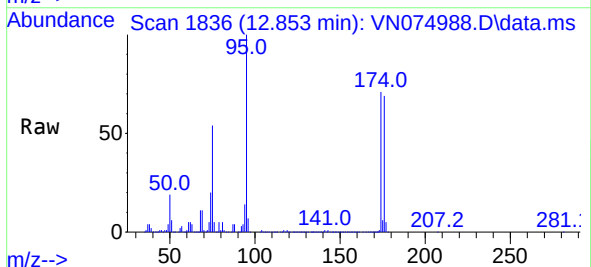


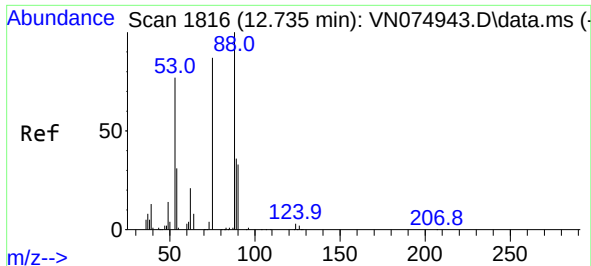
Tgt Ion:152 Resp: 3083106
Ion Ratio Lower Upper
152 100
115 61.9 31.3 93.8
150 156.2 0.0 349.6



#76
1,2,3-Trichloropropane
Concen: 23.243 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

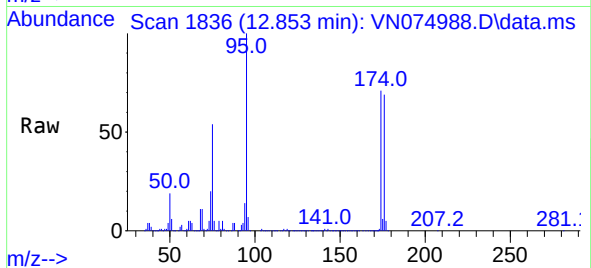
Tgt Ion: 75 Resp: 1943351
Ion Ratio Lower Upper
75 100
77 1.0 81.0 243.0#



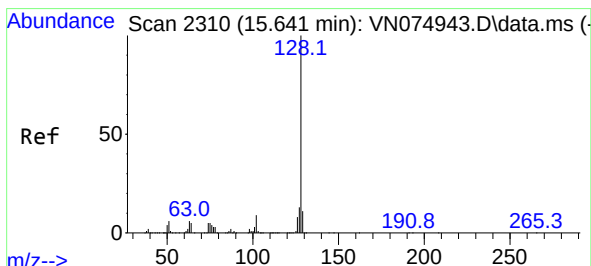
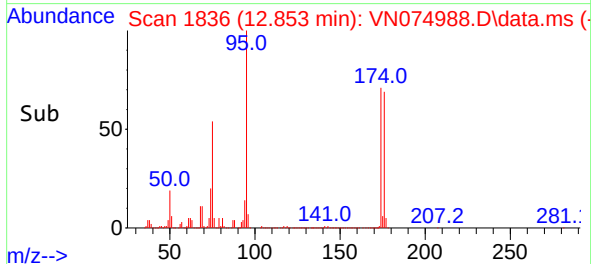
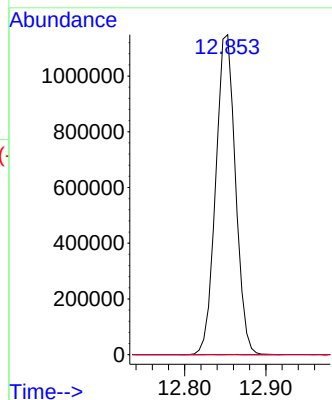


#81
trans-1,4-Dichloro-2-butene
Concen: 74.522 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 1943351
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.320 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074988.D
Acq: 24 Oct 2022 17:01

Tgt Ion:128 Resp: 59912
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 12.9 8.6 12.8#

