

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076973.D
 Acq On : 13 Mar 2023 19:46
 Operator : JC\MD
 Sample : 01880-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20230310

Quant Time: Mar 14 07:07:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

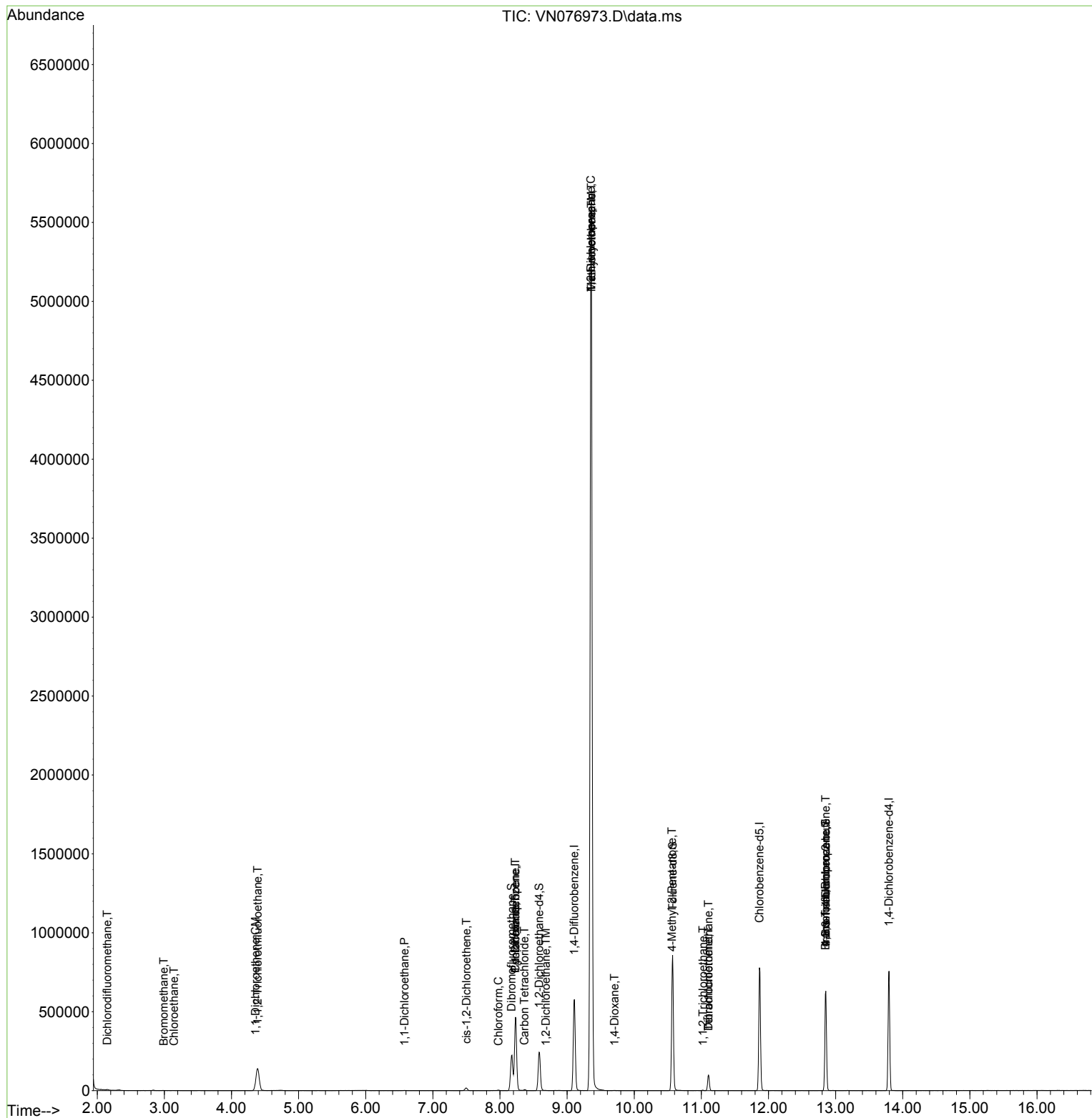
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	316733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	490725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	443966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	195804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	230849	48.841	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.680%
35) Dibromofluoromethane	8.172	113	156741	47.925	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.860%
50) Toluene-d8	10.572	98	587158	48.713	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.854	95	216500	49.107	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.149	85	1735	0.304	ug/l	76
5) Bromomethane	2.990	94	731	0.347	ug/l #	39
6) Chloroethane	3.143	64	498	0.274	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.390	101	92980	24.476	ug/l	95
12) 1,1-Dichloroethene	4.360	96	6819	1.948	ug/l #	74
24) 1,1-Dichloroethane	6.578	63	2716	0.383	ug/l #	80
27) cis-1,2-Dichloroethene	7.501	96	10400	2.428	ug/l	96
30) Chloroform	7.978	83	3759	0.493	ug/l #	83
31) Cyclohexane	8.231	56	7418	1.094	ug/l #	24
36) 1,1-Dichloropropene	8.231	75	26633	5.265	ug/l #	49
38) Carbon Tetrachloride	8.366	117	4967	0.839	ug/l #	82
39) Methylcyclohexane	9.360	83	25973	4.230	ug/l #	1
42) 1,2-Dichloroethane	8.683	62	1279	0.220	ug/l #	71
44) Trichloroethene	9.360	130	1978005	513.337	ug/l	100
45) 1,2-Dichloropropane	9.354	63	6838	1.864	ug/l #	1
49) 1,4-Dioxane	9.707	88	1406	21.223	ug/l #	96
51) 4-Methyl-2-Pentanone	10.560	43	2295	0.535	ug/l #	1
55) 1,1,2-Trichloroethane	11.024	97	1343	0.376	ug/l #	67
60) Dibromochloromethane	11.107	129	22688	5.768	ug/l #	10
64) Tetrachloroethene	11.107	164	22097	6.150	ug/l	93
71) Bromoform	12.848	173	1362	0.485	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	129198	27.216	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	129198	88.901	ug/l #	15

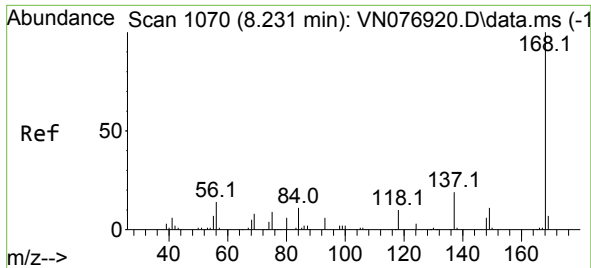
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
Data File : VN076973.D
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Sample : 01880-13
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230310

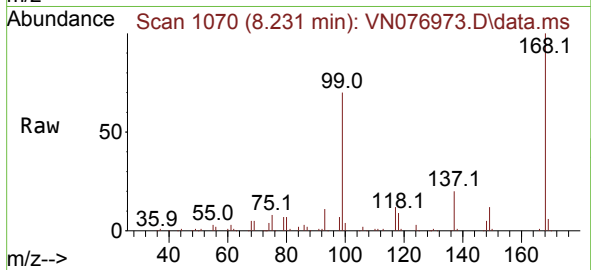
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
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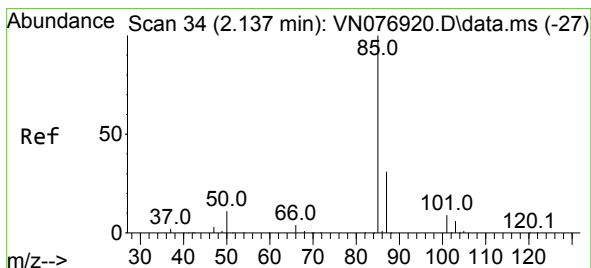
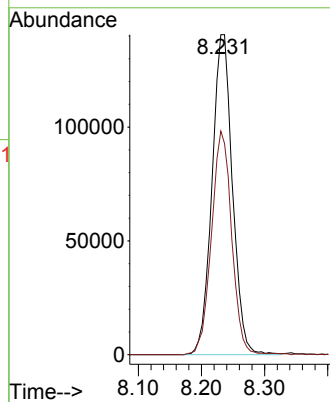
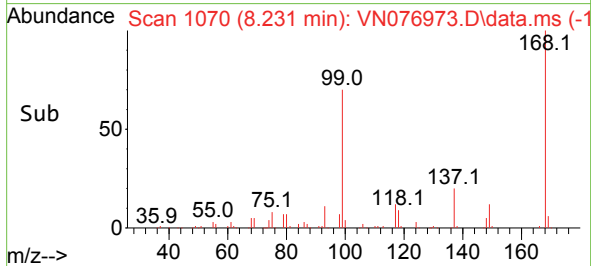


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230310

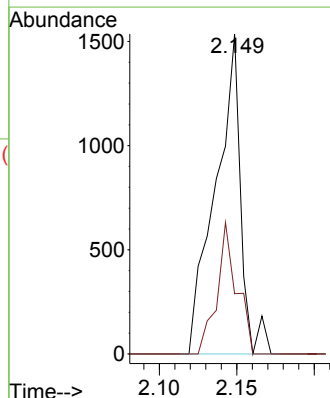
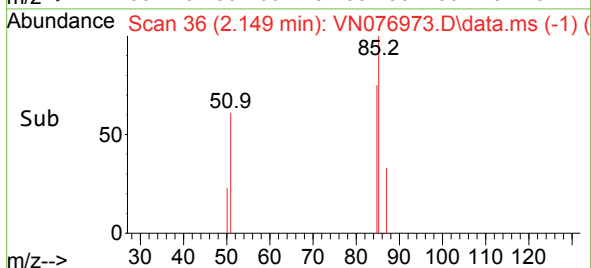
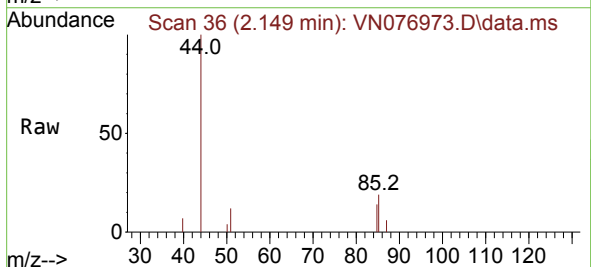


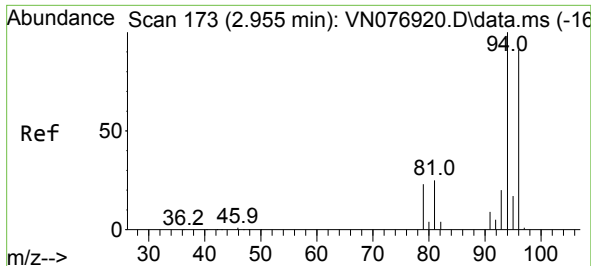
Tgt Ion:168 Resp: 316733
Ion Ratio Lower Upper
168 100
99 69.9 48.6 73.0



#2
Dichlorodifluoromethane
Concen: 0.304 ug/l
RT: 2.149 min Scan# 36
Delta R.T. 0.012 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Tgt Ion: 85 Resp: 1735
Ion Ratio Lower Upper
85 100
87 18.9 16.2 48.6

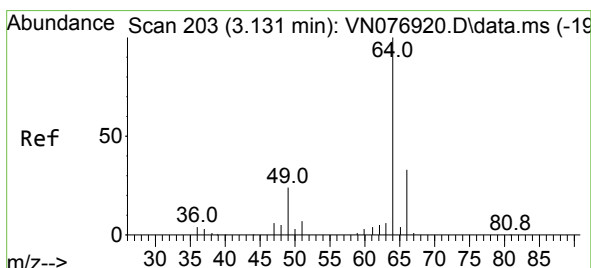
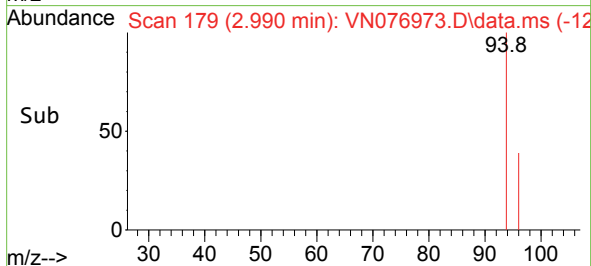
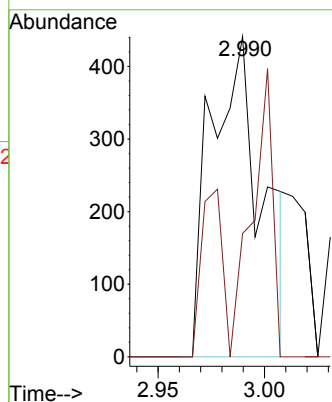
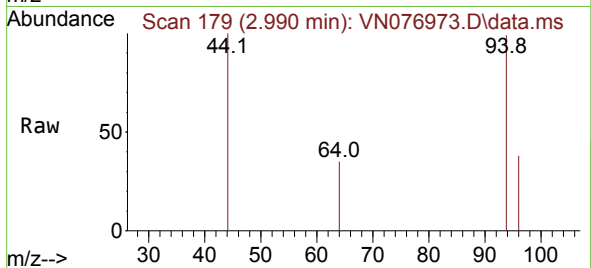




#5
Bromomethane
Concen: 0.347 ug/l
RT: 2.990 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

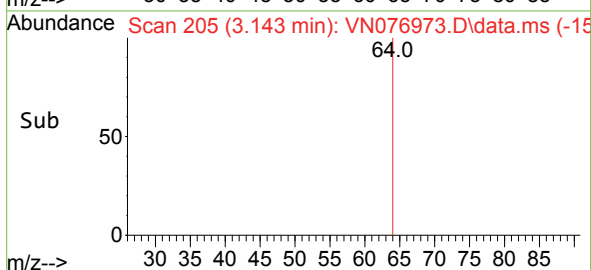
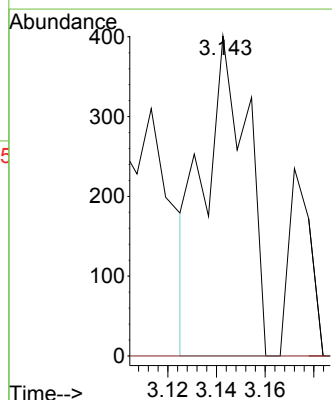
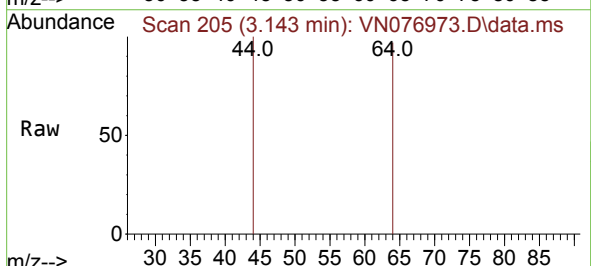
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ClientSampleId :
RE120D2-20230310

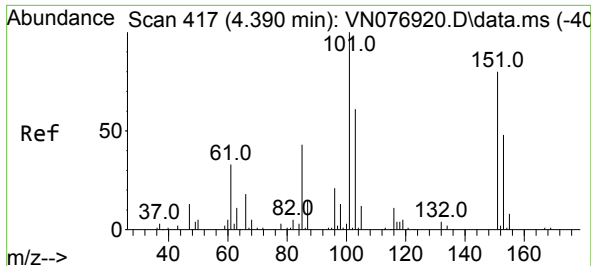
Tgt Ion: 94 Resp: 731
Ion Ratio Lower Upper
94 100
96 38.5 79.0 118.6#



#6
Chloroethane
Concen: 0.274 ug/l
RT: 3.143 min Scan# 205
Delta R.T. 0.012 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Tgt Ion: 64 Resp: 498
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

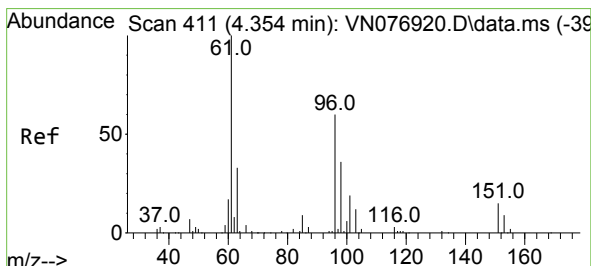
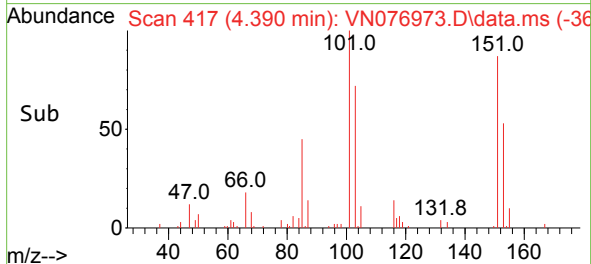
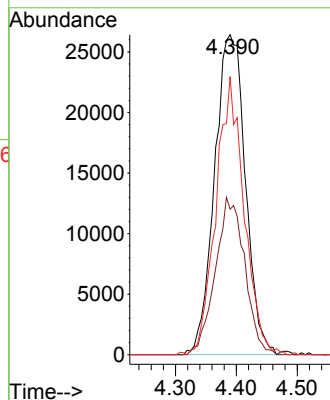
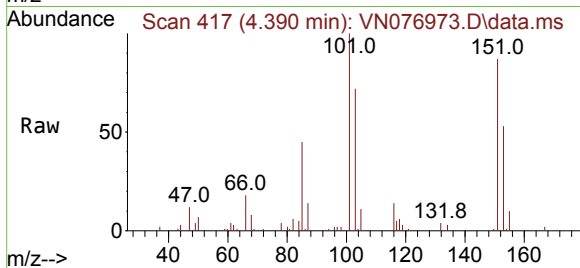




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 24.476 ug/l
 RT: 4.390 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: VN076973.D
 Acq: 13 Mar 2023 19:46

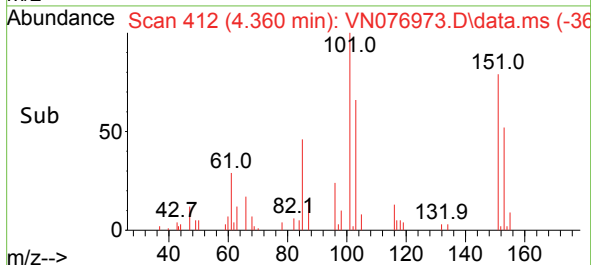
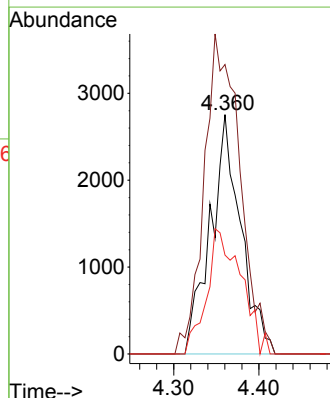
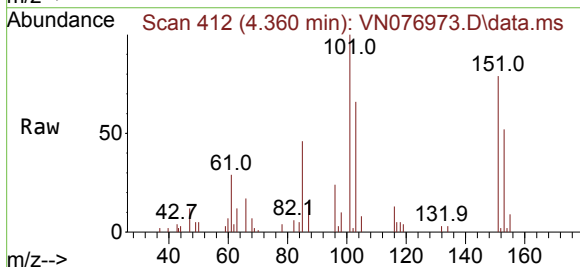
Instrument :
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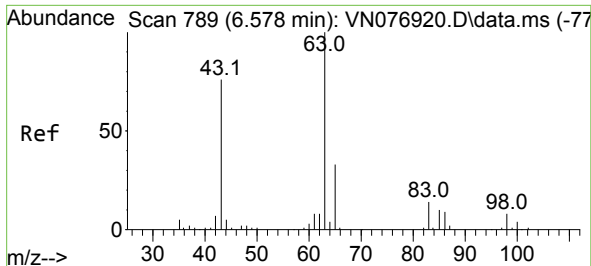
Tgt Ion:101 Resp: 92980
 Ion Ratio Lower Upper
 101 100
 85 46.7 35.2 52.8
 151 78.8 58.9 88.3



#12
 1,1-Dichloroethene
 Concen: 1.948 ug/l
 RT: 4.360 min Scan# 412
 Delta R.T. 0.006 min
 Lab File: VN076973.D
 Acq: 13 Mar 2023 19:46

Tgt Ion: 96 Resp: 6819
 Ion Ratio Lower Upper
 96 100
 61 120.9 121.3 181.9#
 98 41.3 52.1 78.1#

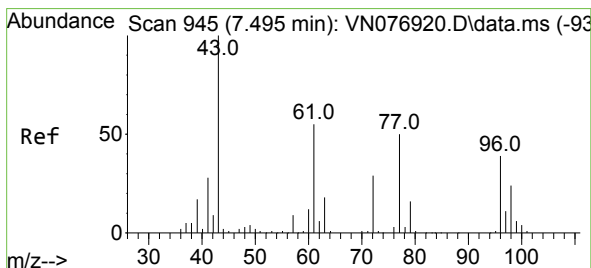
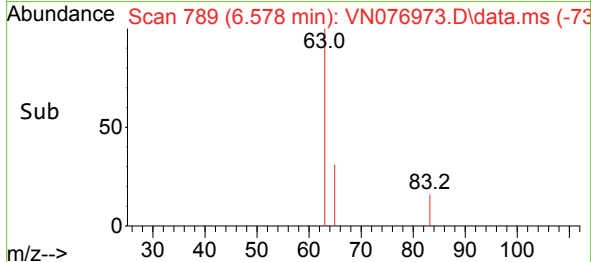
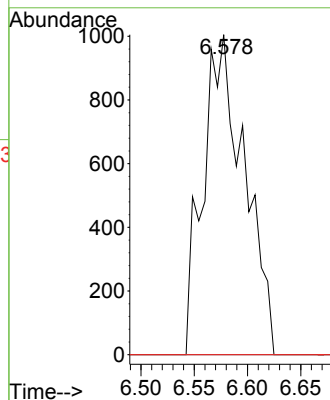
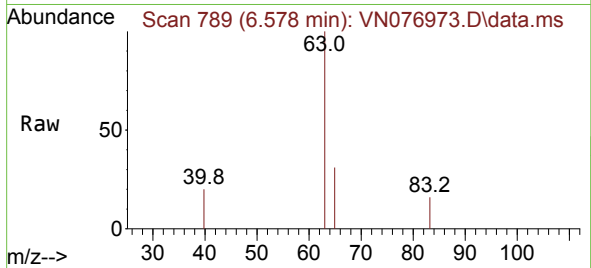




#24
1,1-Dichloroethane
Concen: 0.383 ug/l
RT: 6.578 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

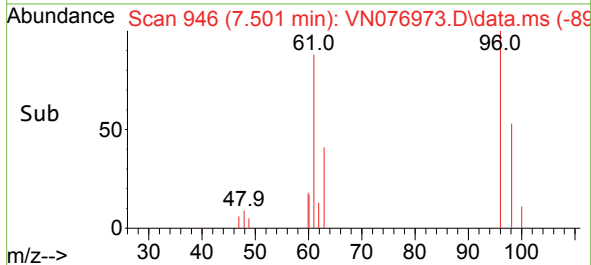
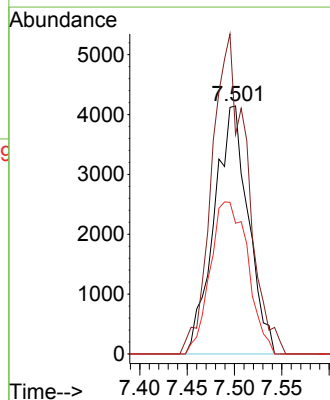
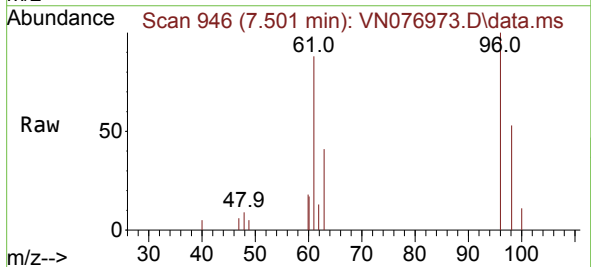
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ClientSampleId :
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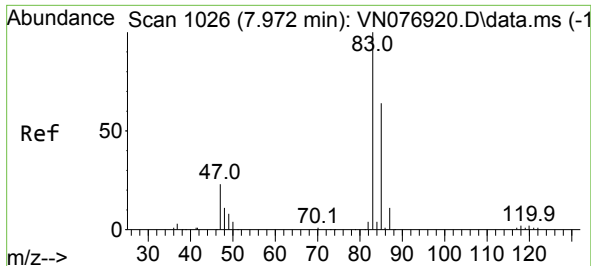
Tgt Ion: 63 Resp: 2716
Ion Ratio Lower Upper
63 100
98 0.0 4.2 12.6#
100 0.0 2.2 6.6#



#27
cis-1,2-Dichloroethene
Concen: 2.428 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.006 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Tgt Ion: 96 Resp: 10400
Ion Ratio Lower Upper
96 100
61 132.3 0.0 255.6
98 67.5 0.0 127.4





#30

Chloroform

Concen: 0.493 ug/l

RT: 7.978 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN076973.D

Acq: 13 Mar 2023 19:46

Instrument :

MSVOA_N

ClientSampleId :

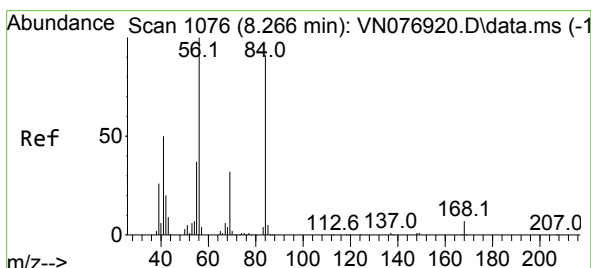
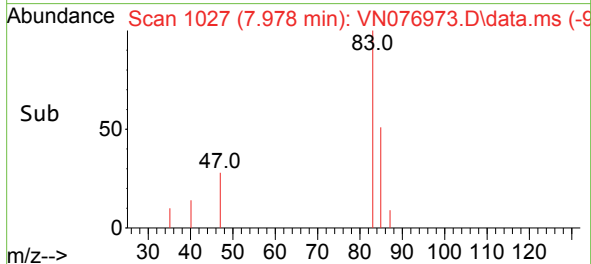
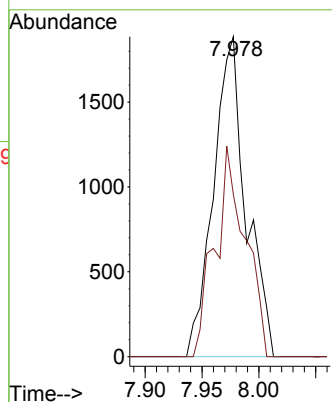
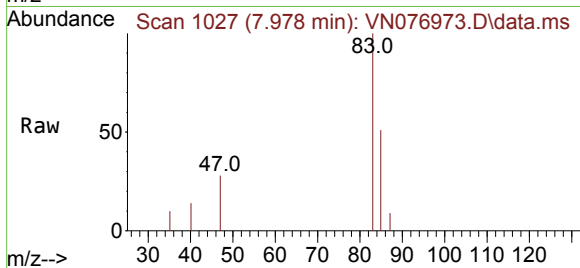
RE120D2-20230310

Tgt Ion: 83 Resp: 3759

Ion Ratio Lower Upper

83 100

85 50.7 51.3 76.9#



#31

Cyclohexane

Concen: 1.094 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.035 min

Lab File: VN076973.D

Acq: 13 Mar 2023 19:46

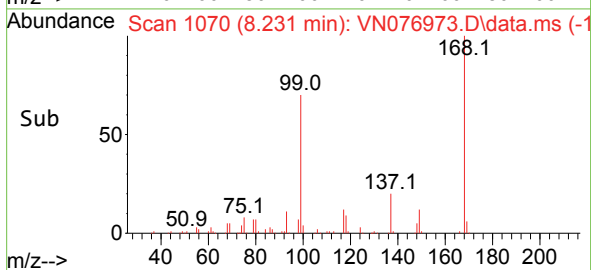
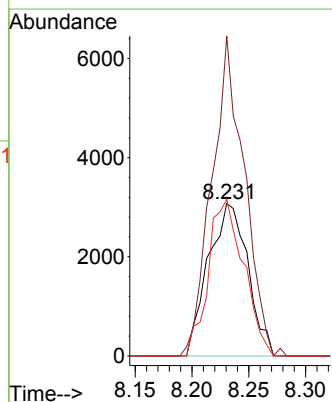
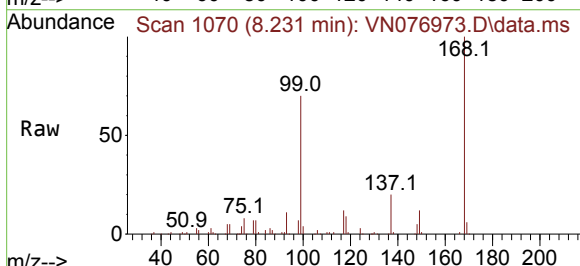
Tgt Ion: 56 Resp: 7418

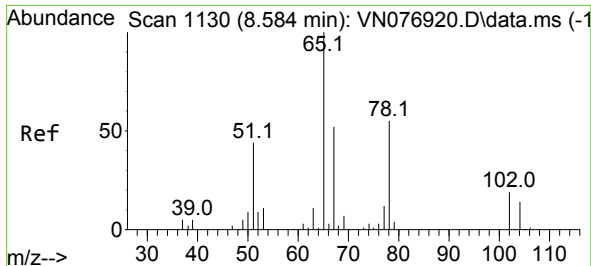
Ion Ratio Lower Upper

56 100

69 209.9 27.0 40.6#

84 102.7 82.9 124.3

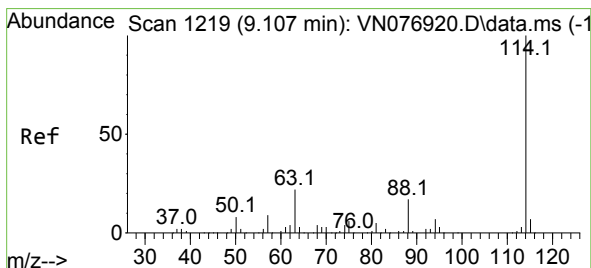
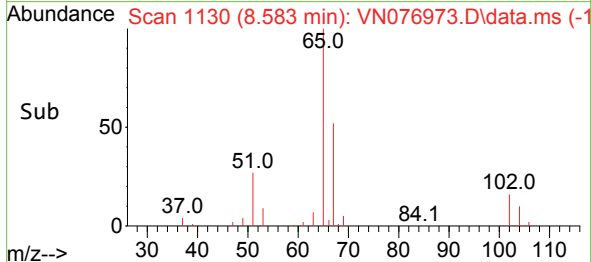
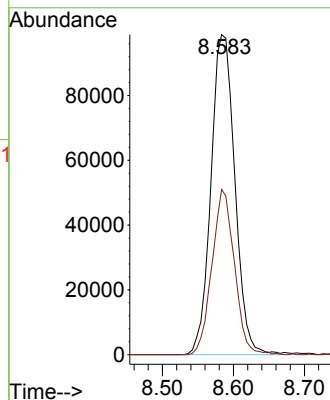
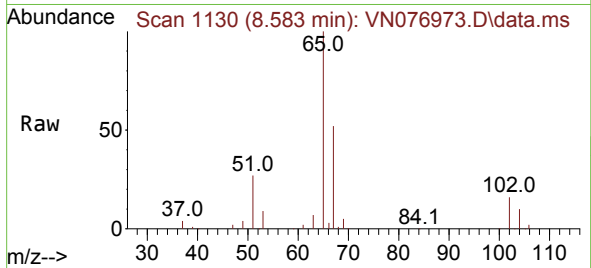




#33
 1,2-Dichloroethane-d4
 Concen: 48.841 ug/l
 RT: 8.583 min Scan# 1130
 Delta R.T. -0.001 min
 Lab File: VN076973.D
 Acq: 13 Mar 2023 19:46

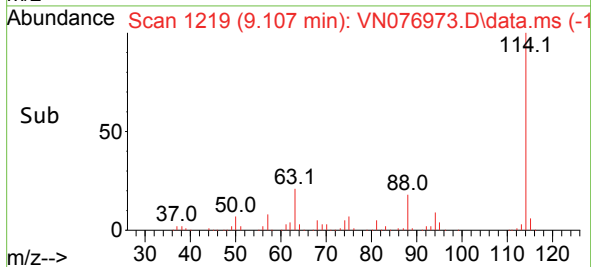
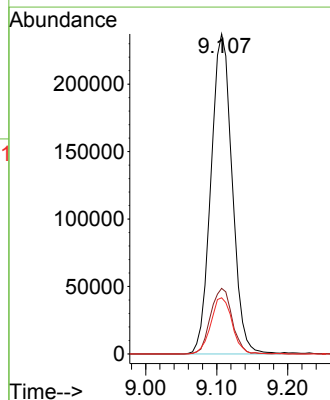
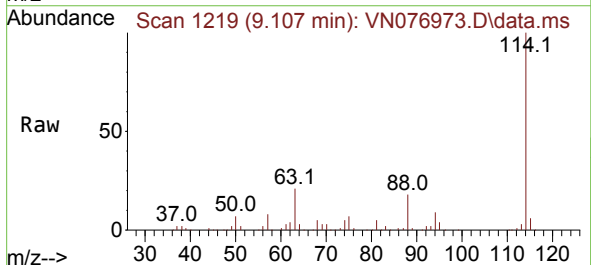
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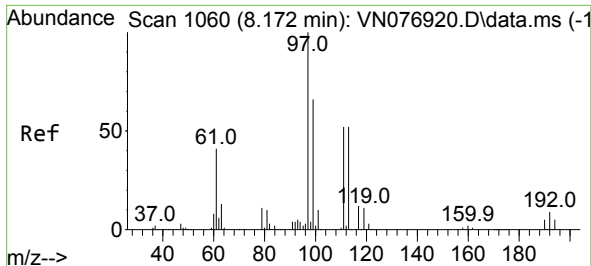
Tgt Ion: 65 Resp: 230849
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. -0.000 min
 Lab File: VN076973.D
 Acq: 13 Mar 2023 19:46

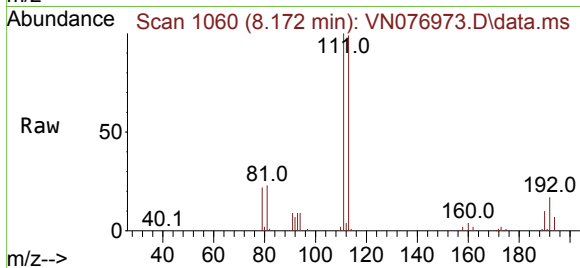
Tgt Ion: 114 Resp: 490725
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 36.6
 88 17.6 0.0 28.6



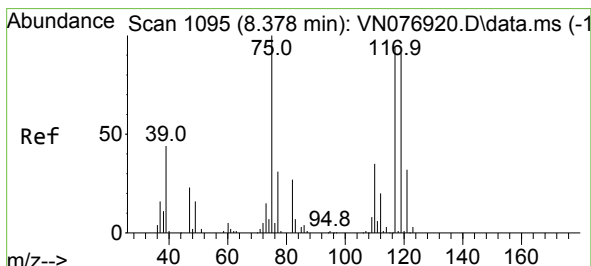
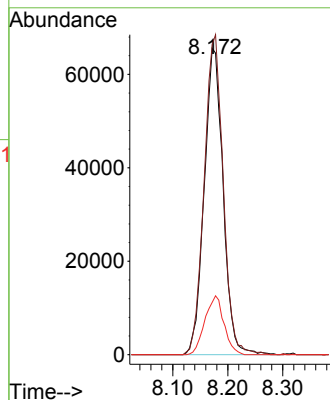
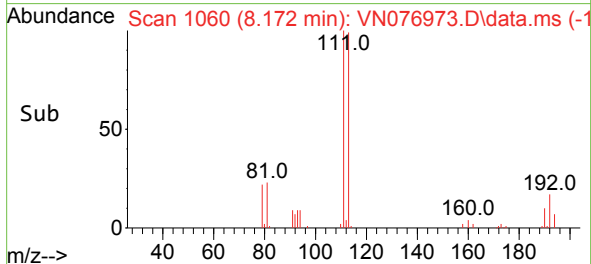


#35
Dibromofluoromethane
Concen: 47.925 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230310

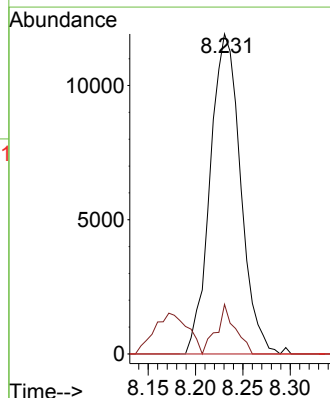
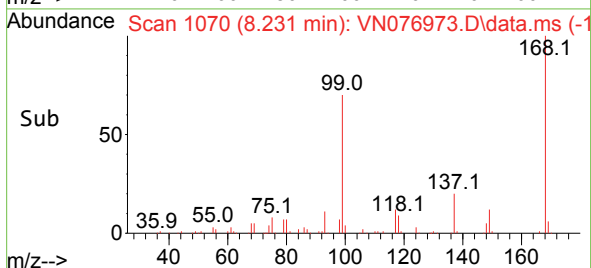
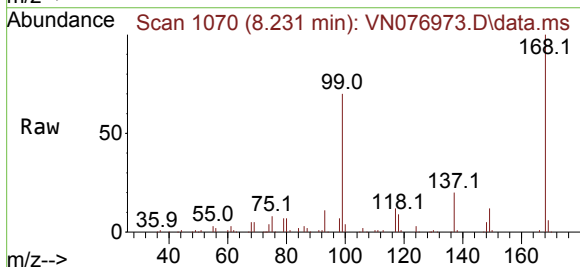


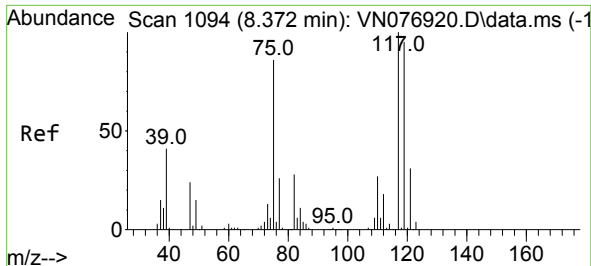
Tgt Ion:113 Resp: 156741
Ion Ratio Lower Upper
113 100
111 104.9 81.8 122.8
192 19.3 13.9 20.9



#36
1,1-Dichloropropene
Concen: 5.265 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Tgt Ion: 75 Resp: 26633
Ion Ratio Lower Upper
75 100
110 9.5 18.9 56.9#
77 0.0 24.9 37.3#

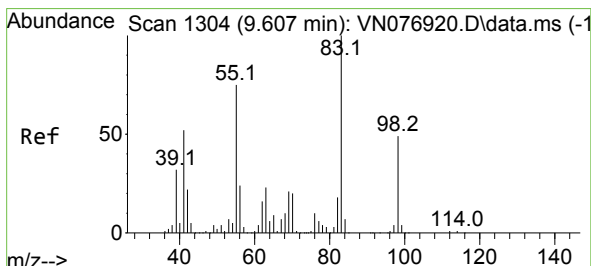
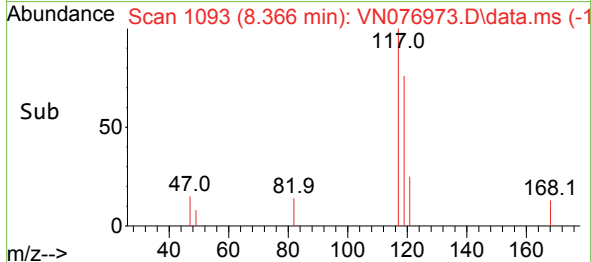
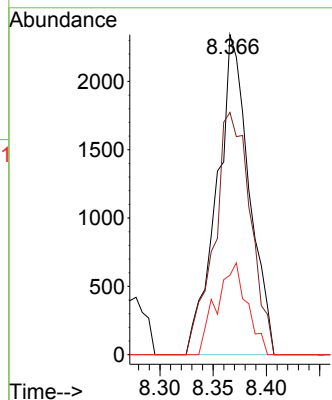
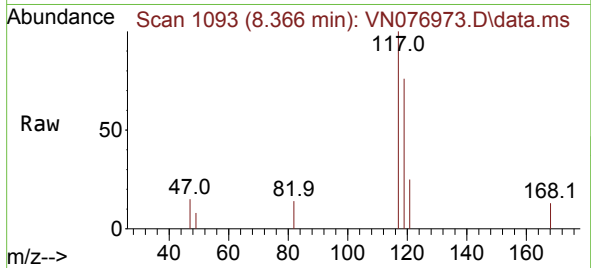




#38
Carbon Tetrachloride
Concen: 0.839 ug/l
RT: 8.366 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

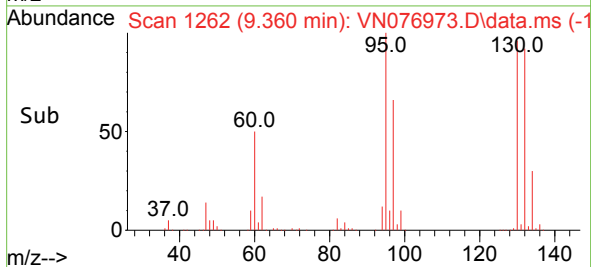
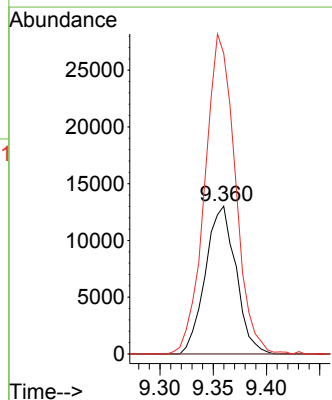
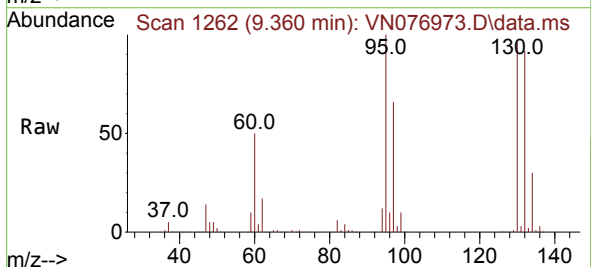
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230310

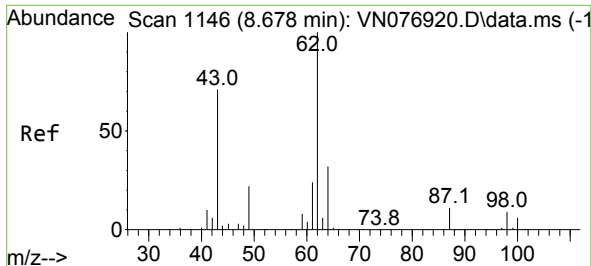
Tgt Ion:117 Resp: 4967
Ion Ratio Lower Upper
117 100
119 75.7 76.9 115.3#
121 24.9 23.2 34.8



#39
Methylcyclohexane
Concen: 4.230 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.247 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Tgt Ion: 83 Resp: 25973
Ion Ratio Lower Upper
83 100
55 0.0 47.0 70.4#
98 202.1 39.4 59.0#





#42

1,2-Dichloroethane

Concen: 0.220 ug/l

RT: 8.683 min Scan# 1146

Delta R.T. 0.005 min

Lab File: VN076973.D

Acq: 13 Mar 2023 19:46

Instrument :

MSVOA_N

ClientSampleId :

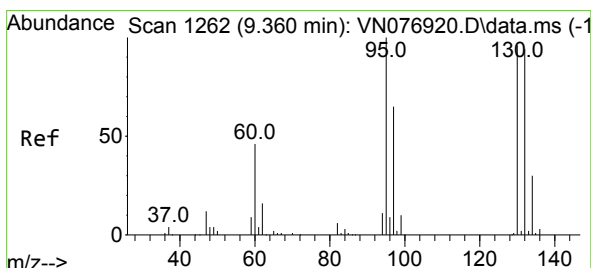
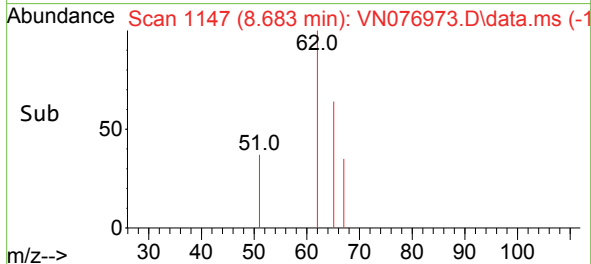
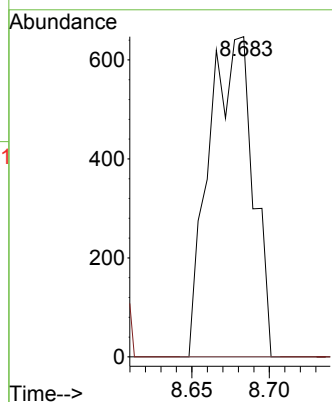
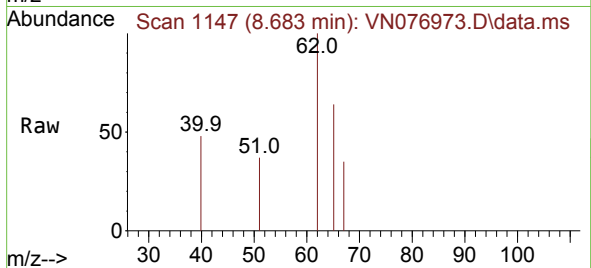
RE120D2-20230310

Tgt Ion: 62 Resp: 1279

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8



#44

Trichloroethene

Concen: 513.337 ug/l

RT: 9.360 min Scan# 1262

Delta R.T. -0.000 min

Lab File: VN076973.D

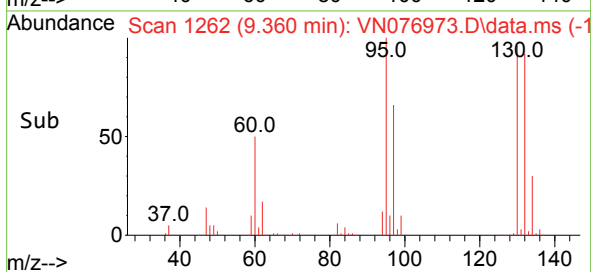
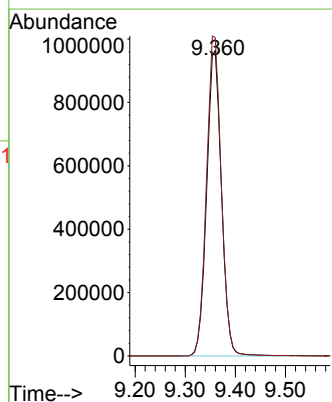
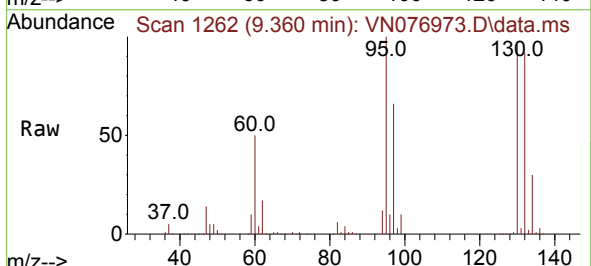
Acq: 13 Mar 2023 19:46

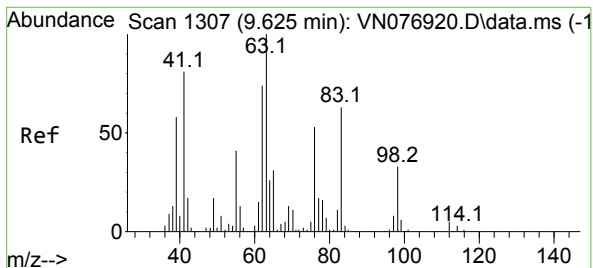
Tgt Ion:130 Resp: 1978005

Ion Ratio Lower Upper

130 100

95 104.3 0.0 208.6





#45

1,2-Dichloropropane

Concen: 1.864 ug/l

RT: 9.354 min Scan# 11

Delta R.T. -0.271 min

Lab File: VN076973.D

Acq: 13 Mar 2023 19:46

Instrument :

MSVOA_N

ClientSampleId :

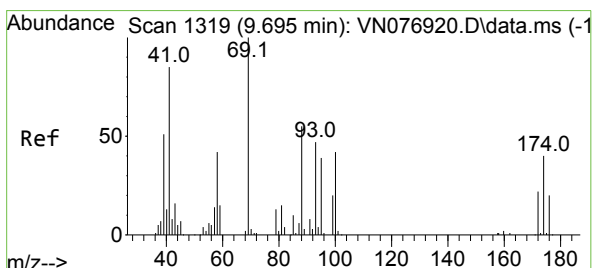
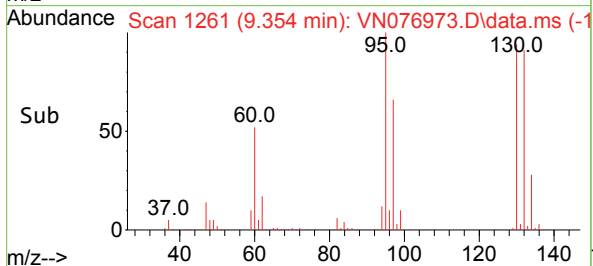
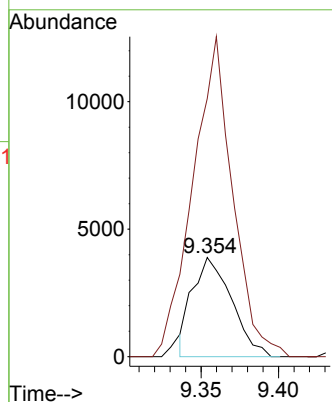
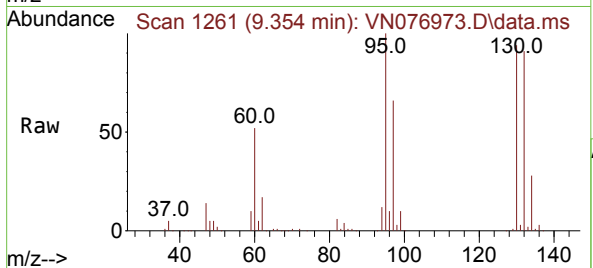
RE120D2-20230310

Tgt Ion: 63 Resp: 6838

Ion Ratio Lower Upper

63 100

65 250.6 25.0 37.6#



#49

1,4-Dioxane

Concen: 21.223 ug/l

RT: 9.707 min Scan# 1321

Delta R.T. 0.012 min

Lab File: VN076973.D

Acq: 13 Mar 2023 19:46

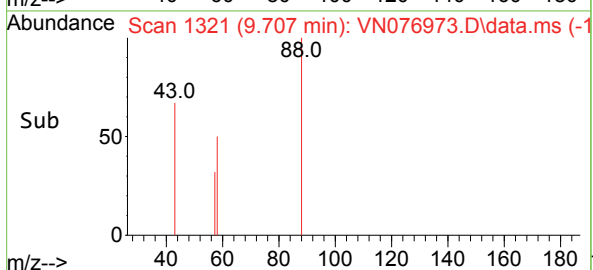
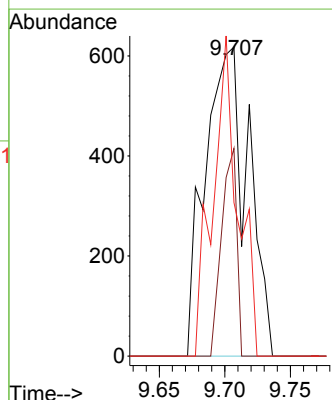
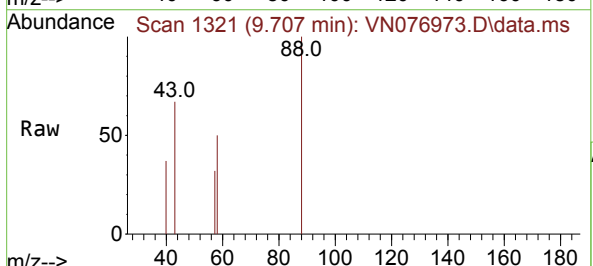
Tgt Ion: 88 Resp: 1406

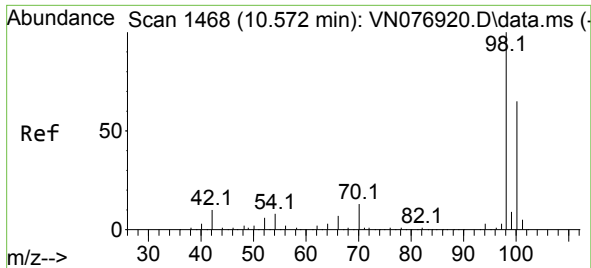
Ion Ratio Lower Upper

88 100

43 23.7 15.3 22.9#

58 60.8 47.6 71.4

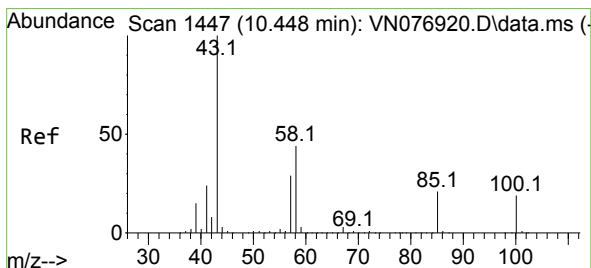
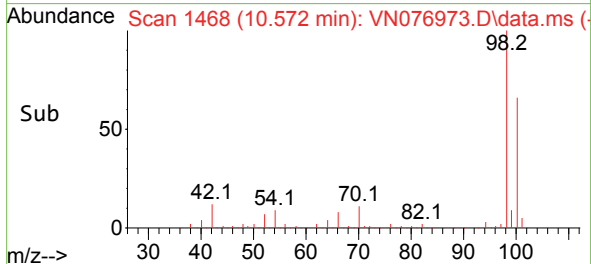
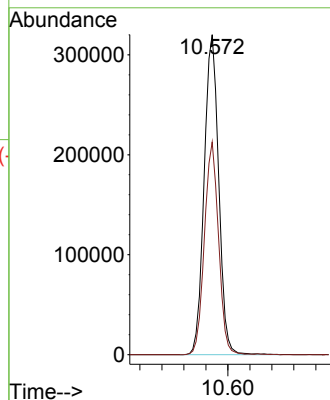
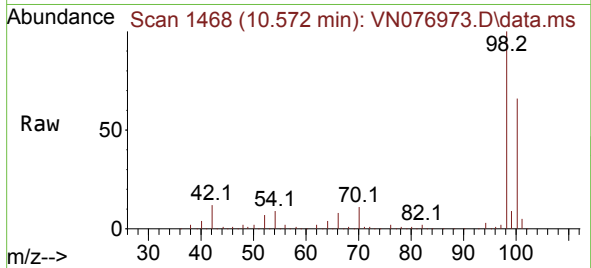




#50
Toluene-d8
Concen: 48.713 ug/l
RT: 10.572 min Scan# 1466
Delta R.T. -0.000 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

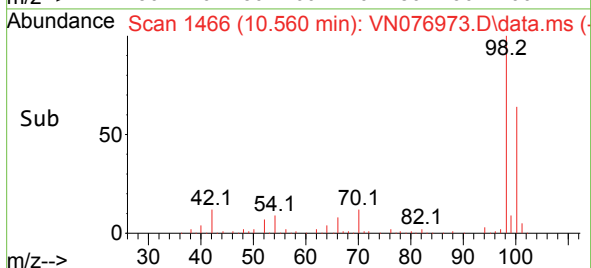
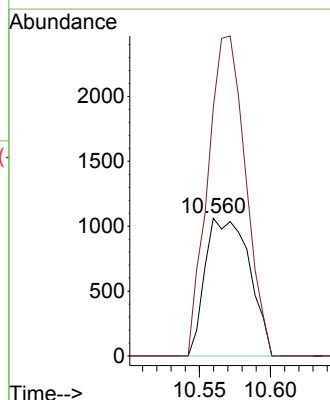
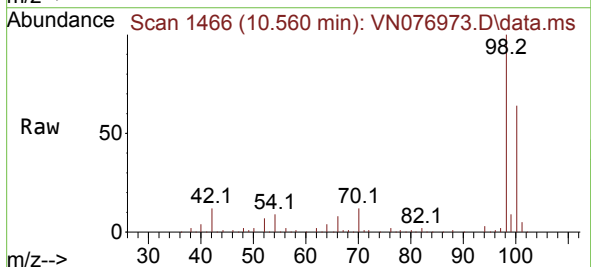
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230310

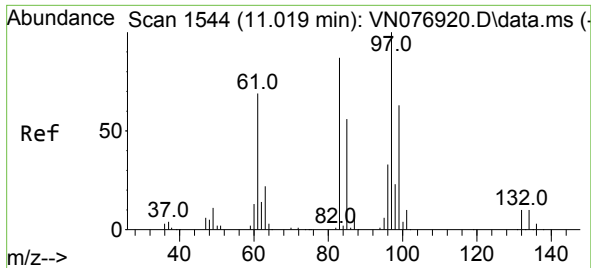
Tgt Ion: 98 Resp: 587158
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 10.560 min Scan# 1466
Delta R.T. 0.112 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Tgt Ion: 43 Resp: 2295
Ion Ratio Lower Upper
43 100
58 198.0 37.4 56.0#

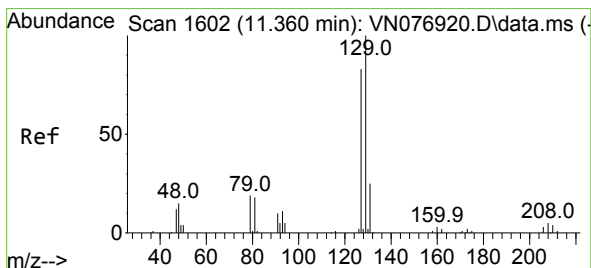
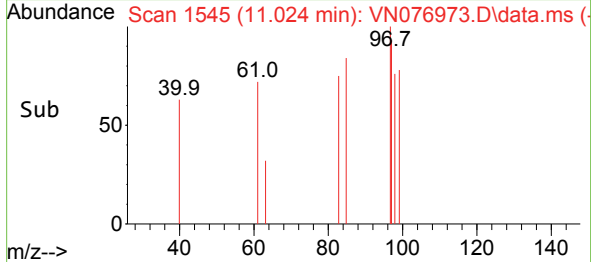
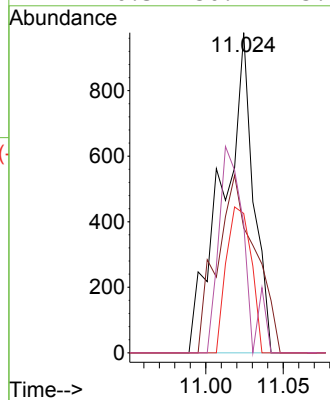
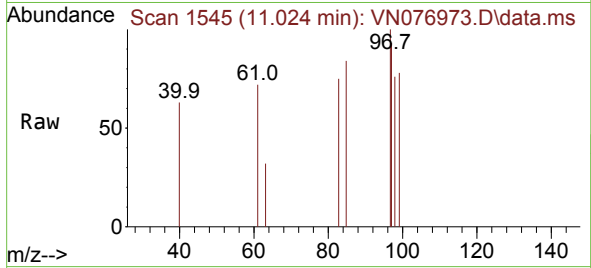




#55
 1,1,2-Trichloroethane
 Concen: 0.376 ug/l
 RT: 11.024 min Scan# 1544
 Delta R.T. 0.005 min
 Lab File: VN076973.D
 Acq: 13 Mar 2023 19:46

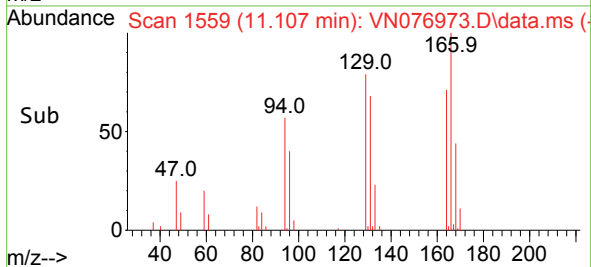
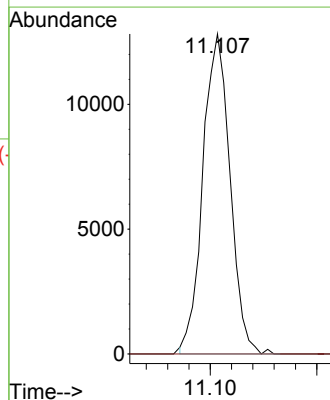
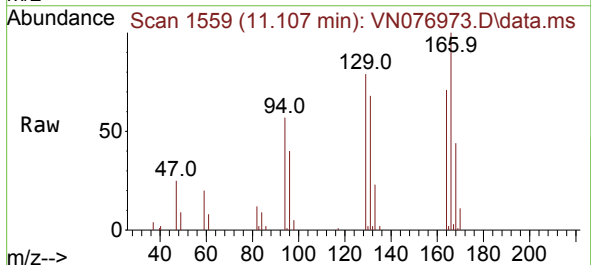
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20230310

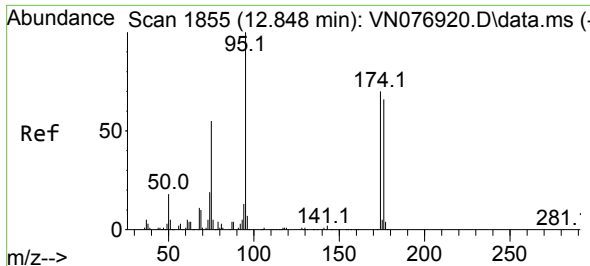
Tgt Ion: 97	Resp: 1343
Ion Ratio	Lower Upper
97 100	
83 39.0	67.1 100.7#
85 43.5	41.8 62.8
99 40.3	50.4 75.6#



#60
 Dibromochloromethane
 Concen: 5.768 ug/l
 RT: 11.107 min Scan# 1559
 Delta R.T. -0.253 min
 Lab File: VN076973.D
 Acq: 13 Mar 2023 19:46

Tgt	Ion:129	Resp:	22688
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.6	118.8#

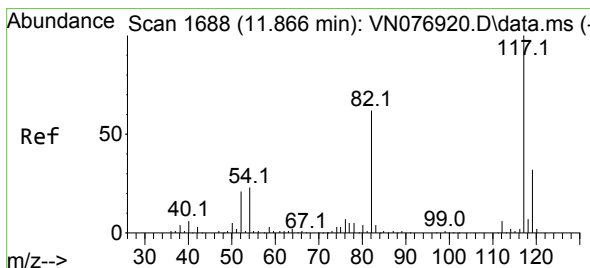
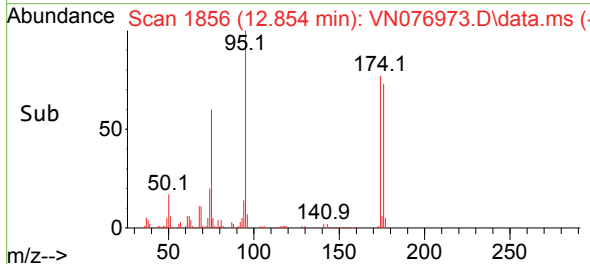
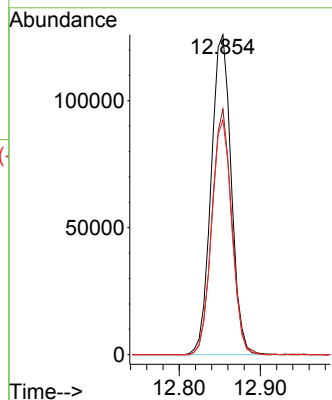
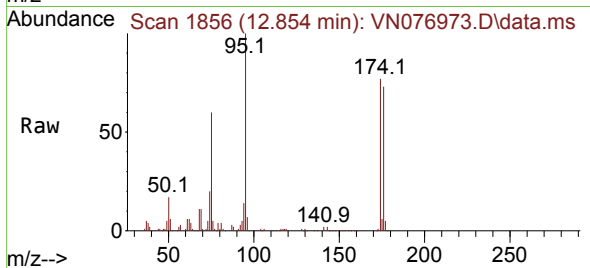




#62
4-Bromofluorobenzene
Concen: 49.107 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

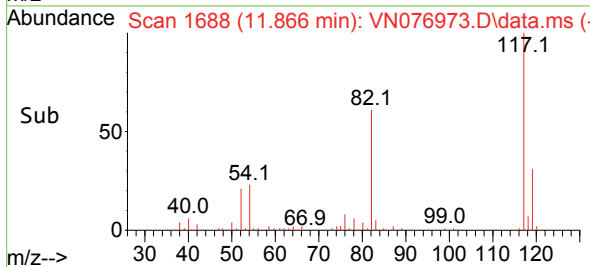
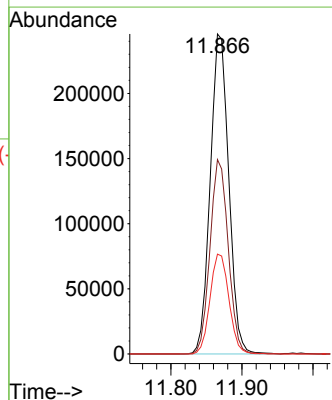
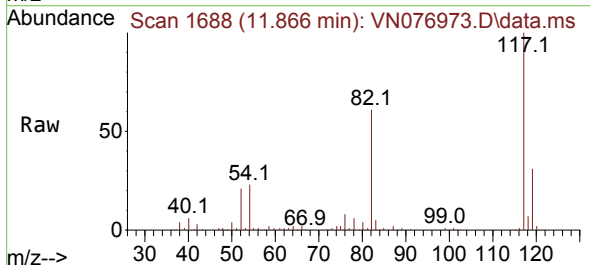
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230310

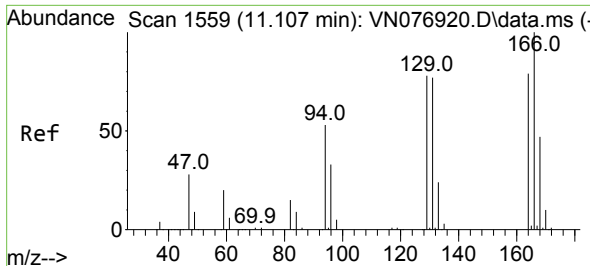
Tgt Ion: 95 Resp: 216500
Ion Ratio Lower Upper
95 100
174 75.6 0.0 162.4
176 73.3 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

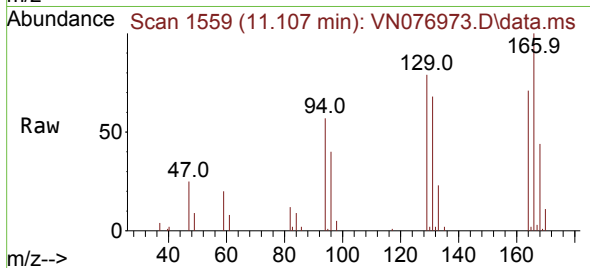
Tgt Ion: 117 Resp: 443966
Ion Ratio Lower Upper
117 100
82 60.7 43.5 65.3
119 31.2 25.5 38.3



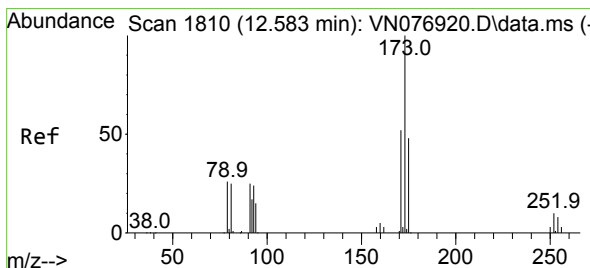
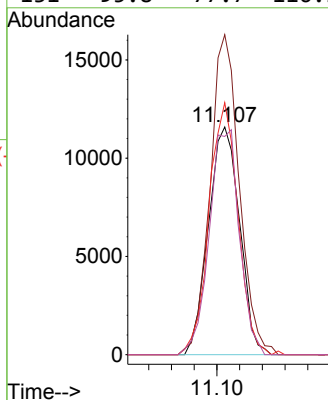
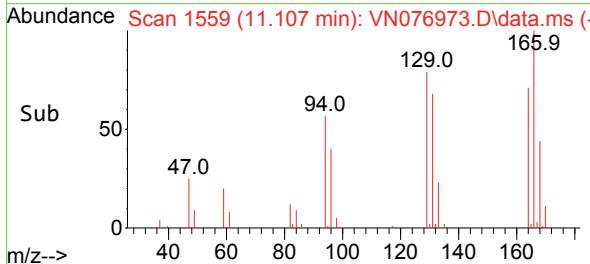


#64
Tetrachloroethene
Concen: 6.150 ug/l
RT: 11.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230310

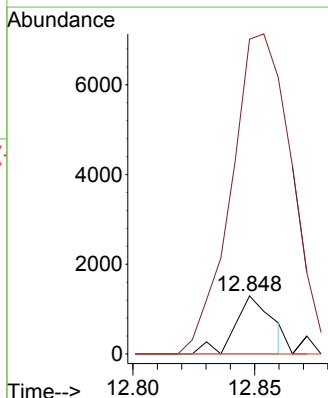
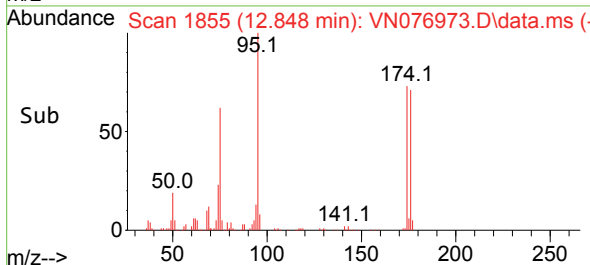
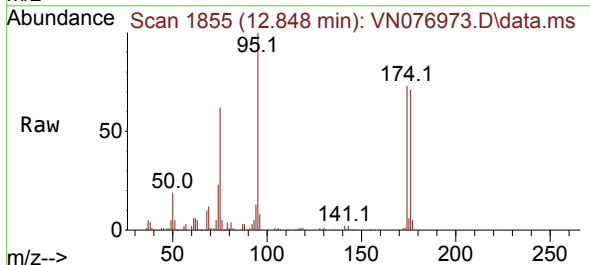


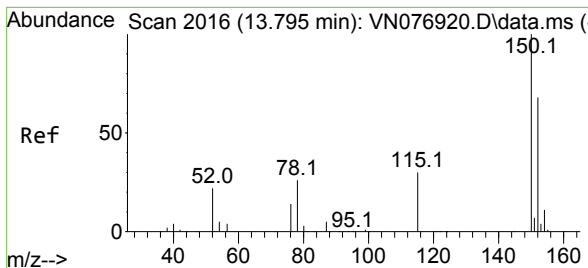
Tgt Ion:164 Resp: 22097
Ion Ratio Lower Upper
164 100
166 140.6 102.7 154.1
129 110.7 81.5 122.3
131 95.8 77.7 116.5



#71
Bromoform
Concen: 0.485 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Tgt Ion:173 Resp: 1362
Ion Ratio Lower Upper
173 100
175 733.1 24.9 74.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN076973.D

Acq: 13 Mar 2023 19:46

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20230310

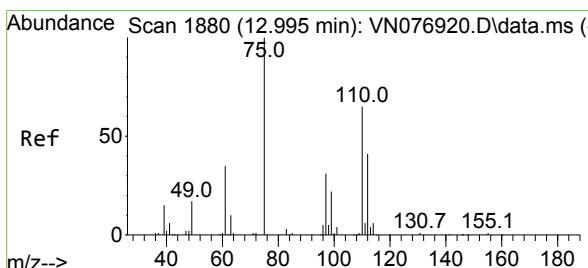
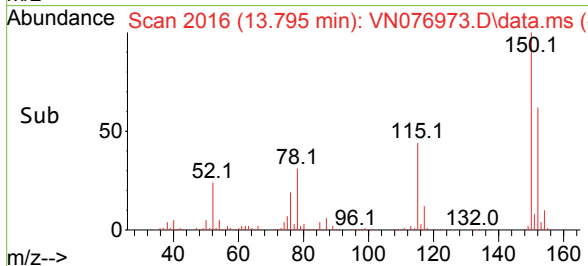
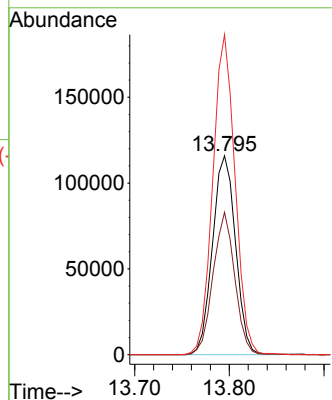
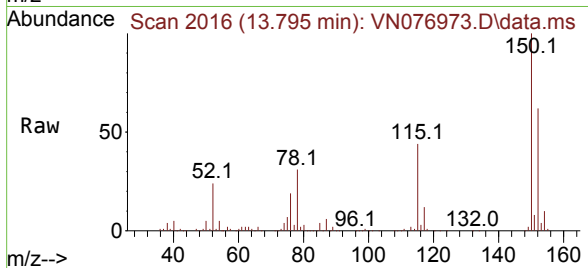
Tgt Ion:152 Resp: 195804

Ion Ratio Lower Upper

152 100

115 67.7 30.3 90.9

150 155.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 27.216 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076973.D

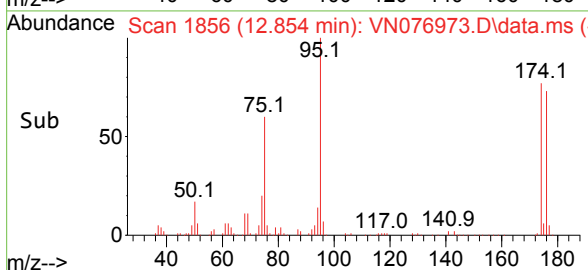
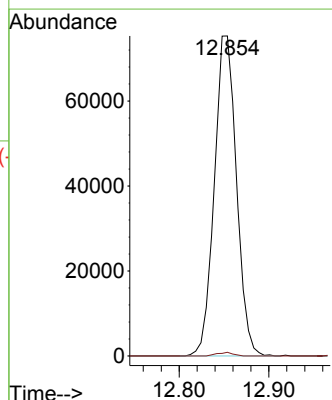
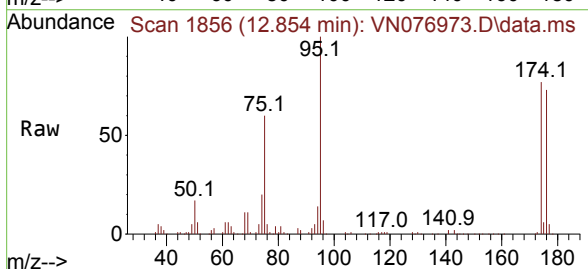
Acq: 13 Mar 2023 19:46

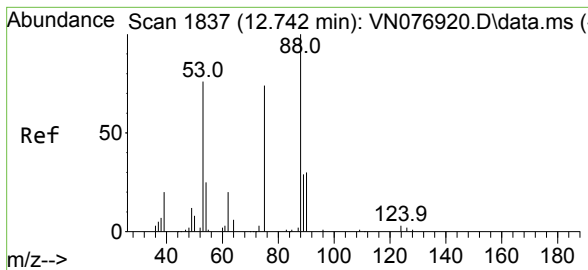
Tgt Ion: 75 Resp: 129198

Ion Ratio Lower Upper

75 100

77 0.8 93.8 281.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.901 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076973.D
Acq: 13 Mar 2023 19:46

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230310

Tgt Ion: 75 Resp: 129198
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.0#
89 0.0 39.5 59.3#

