

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076962.D
 Acq On : 13 Mar 2023 15:20
 Operator : JC\MD
 Sample : 01880-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE115D2-20230309

Quant Time: Mar 14 07:03:26 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)

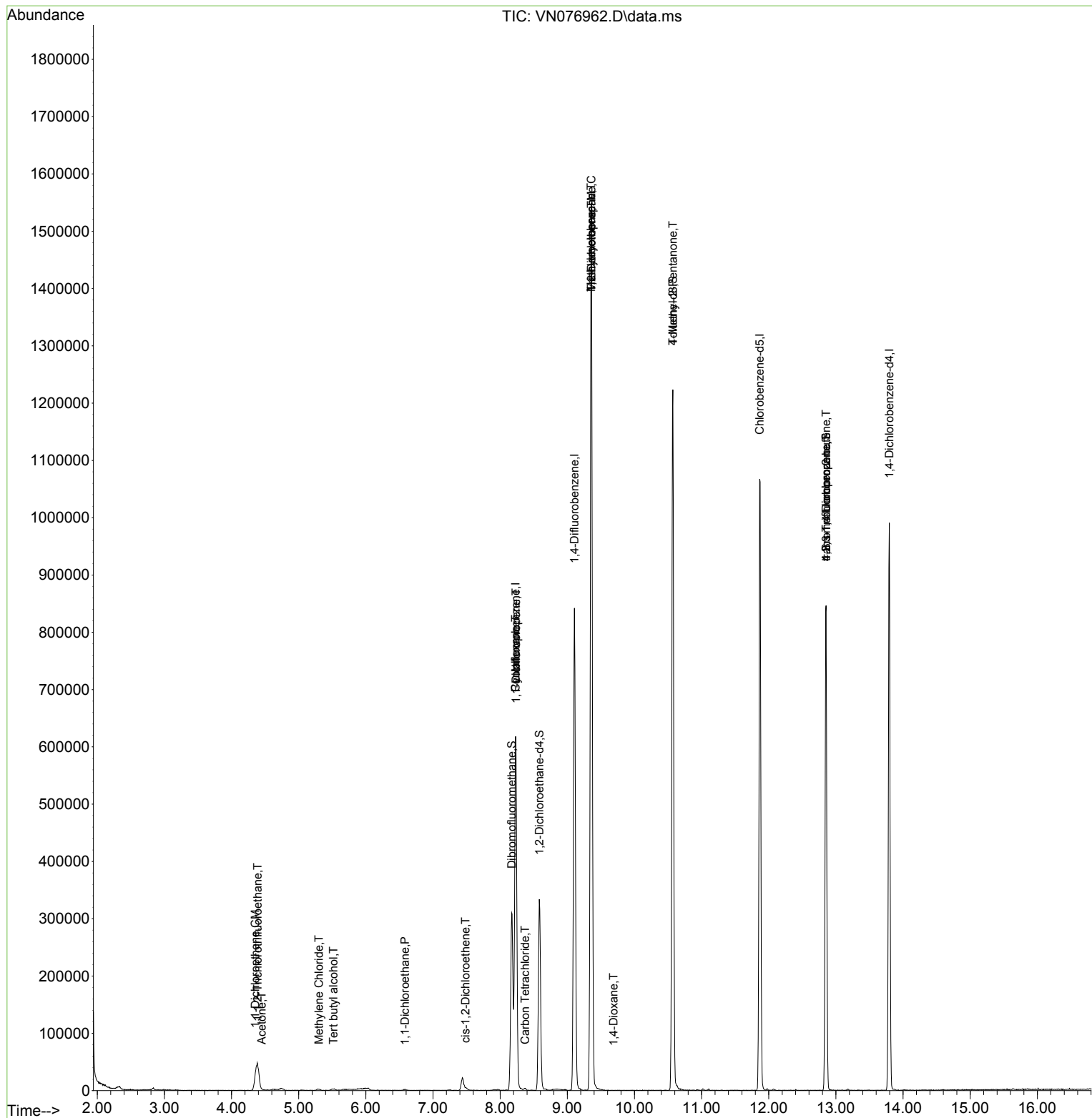
Internal Standards						
1) Pentafluorobenzene	8.231	168	436788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	713778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	638457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	263265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	295735	45.371	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.740%		
35) Dibromofluoromethane	8.172	113	224476	47.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	10.572	98	870666	49.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.320%		
62) 4-Bromofluorobenzene	12.854	95	309232	48.222	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.440%		
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.390	101	25339	4.837	ug/l	89
11) Tert butyl alcohol	5.519	59	2968	3.273	ug/l #	72
12) 1,1-Dichloroethene	4.354	96	13795	2.857	ug/l	97
16) Acetone	4.449	43	1538	0.681	ug/l #	40
20) Methylene Chloride	5.301	84	2087	0.359	ug/l #	85
24) 1,1-Dichloroethane	6.584	63	3176	0.324	ug/l #	84
27) cis-1,2-Dichloroethene	7.484	96	1577	0.267	ug/l	64
31) Cyclohexane	8.231	56	9933	1.062	ug/l #	16
36) 1,1-Dichloropropene	8.236	75	36875	5.012	ug/l #	49
38) Carbon Tetrachloride	8.372	117	2163	0.251	ug/l	87
39) Methylcyclohexane	9.354	83	7008	0.785	ug/l #	1
44) Trichloroethene	9.360	130	567614	101.275	ug/l	99
45) 1,2-Dichloropropane	9.360	63	1958	0.367	ug/l #	1
49) 1,4-Dioxane	9.689	88	74	0.768	ug/l #	30
51) 4-Methyl-2-Pentanone	10.572	43	3362	0.539	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	166398	26.070	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	166398	85.158	ug/l #	15

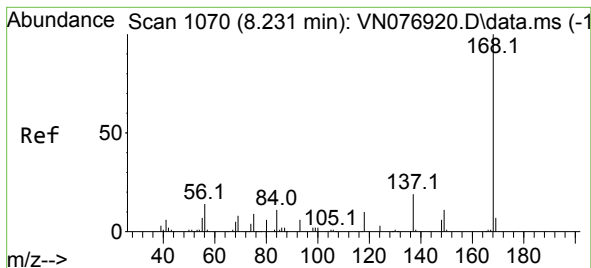
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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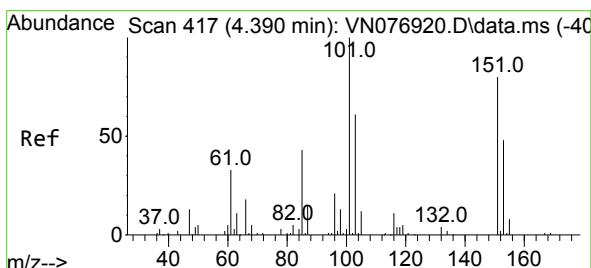
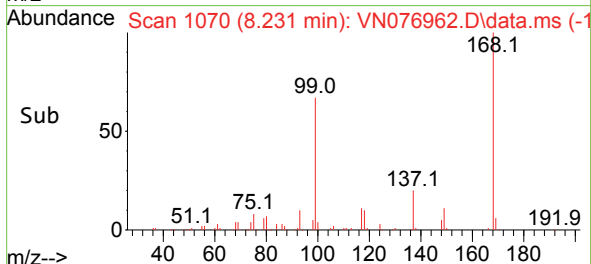
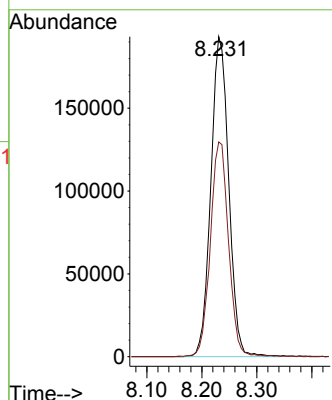
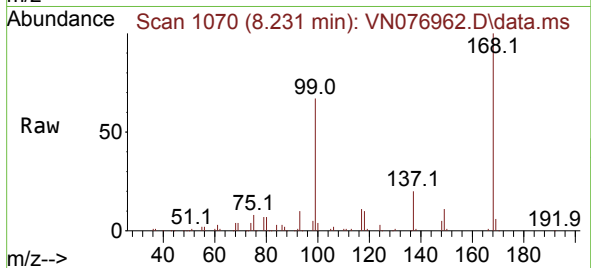




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

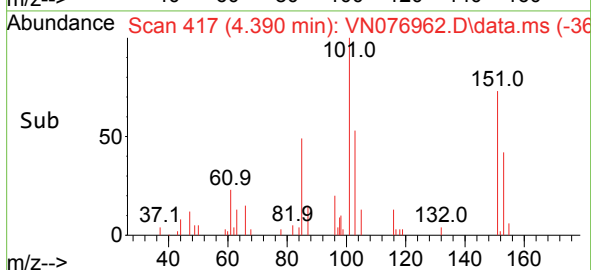
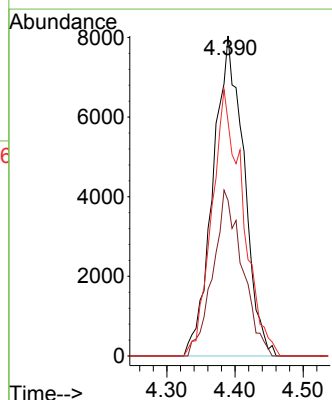
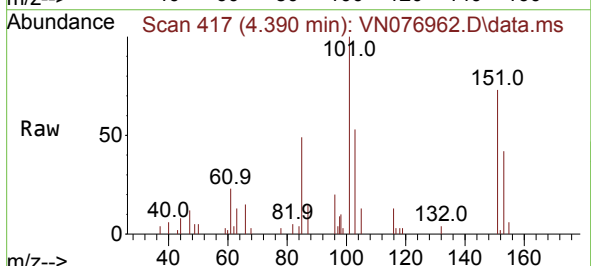
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20230309

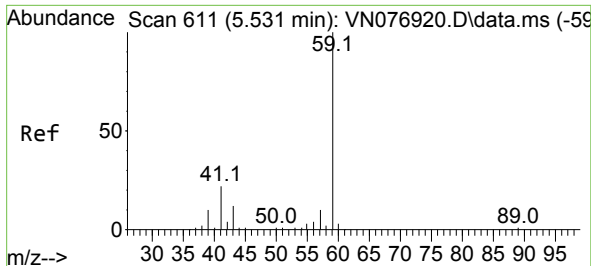
Tgt Ion:168 Resp: 436788
Ion Ratio Lower Upper
168 100
99 67.0 48.6 73.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.837 ug/l
RT: 4.390 min Scan# 417
Delta R.T. -0.000 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

Tgt Ion:101 Resp: 25339
Ion Ratio Lower Upper
101 100
85 49.5 35.2 52.8
151 83.8 58.9 88.3

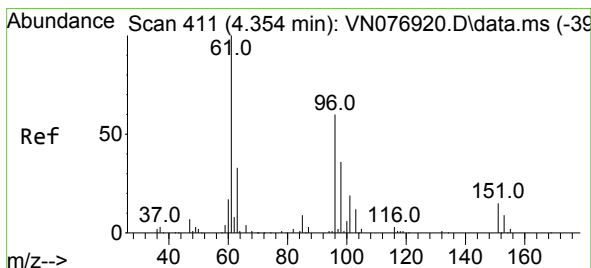
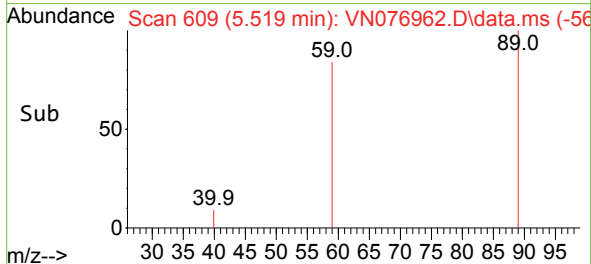
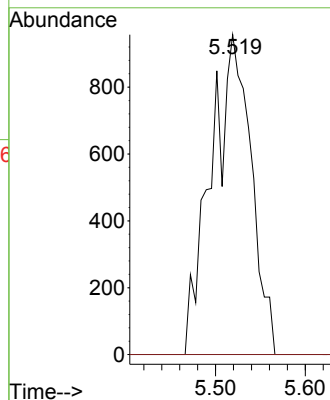
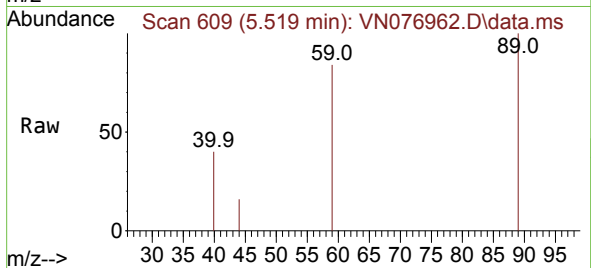




#11
Tert butyl alcohol
Concen: 3.273 ug/l
RT: 5.519 min Scan# 611
Delta R.T. -0.012 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

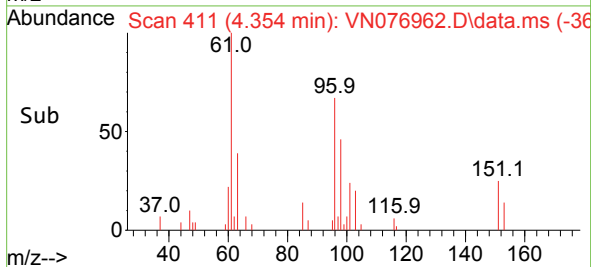
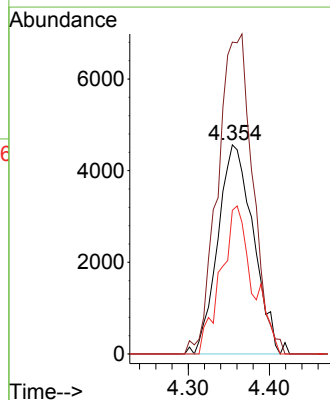
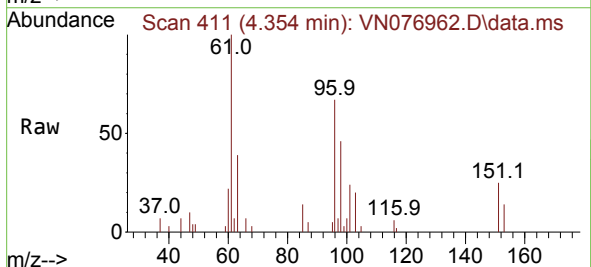
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20230309

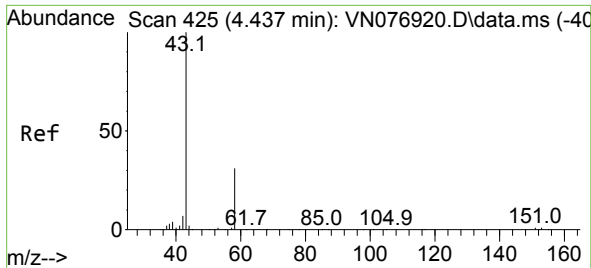
Tgt Ion: 59 Resp: 2968
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 2.857 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

Tgt Ion: 96 Resp: 13795
Ion Ratio Lower Upper
96 100
61 149.2 121.3 181.9
98 68.7 52.1 78.1





#16

Acetone

Concen: 0.681 ug/l

RT: 4.449 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN076962.D

Acq: 13 Mar 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

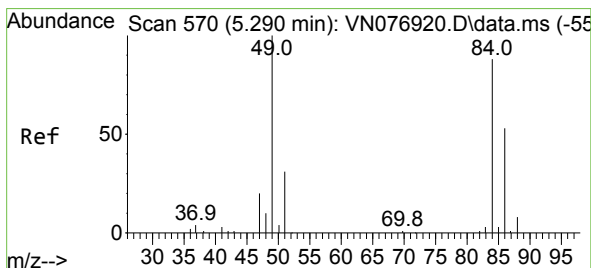
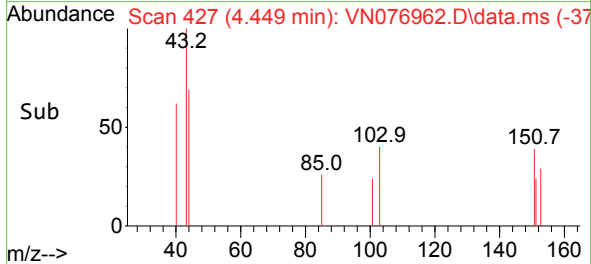
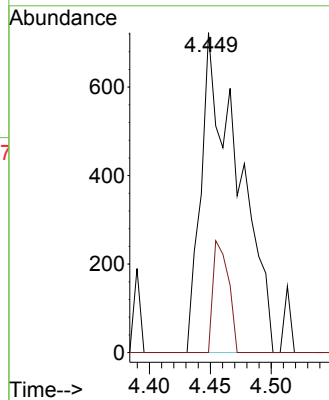
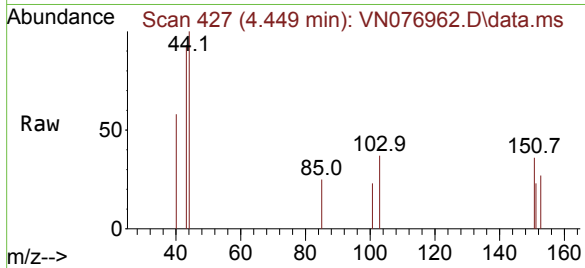
RE115D2-20230309

Tgt Ion: 43 Resp: 1538

Ion Ratio Lower Upper

43 100

58 0.0 28.2 42.2#



#20

Methylene Chloride

Concen: 0.359 ug/l

RT: 5.301 min Scan# 572

Delta R.T. 0.011 min

Lab File: VN076962.D

Acq: 13 Mar 2023 15:20

Tgt Ion: 84 Resp: 2087

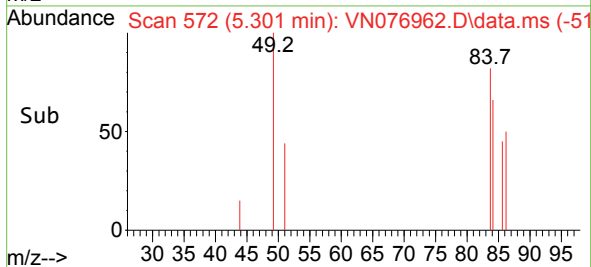
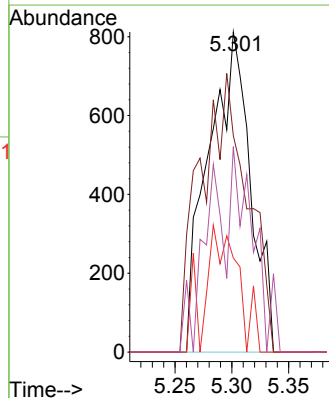
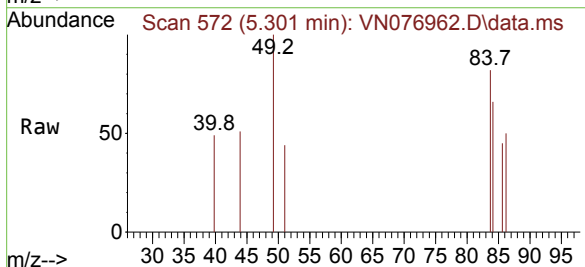
Ion Ratio Lower Upper

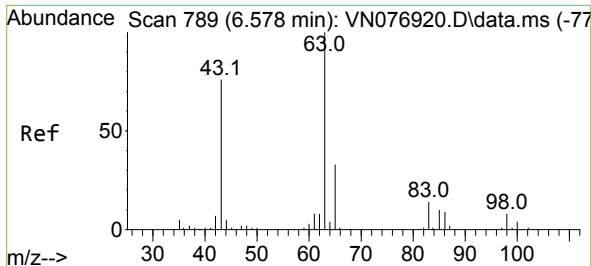
84 100

49 67.6 76.6 114.8#

51 29.4 25.4 38.2

86 64.2 51.1 76.7





#24

1,1-Dichloroethane

Concen: 0.324 ug/l

RT: 6.584 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN076962.D

Acq: 13 Mar 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

RE115D2-20230309

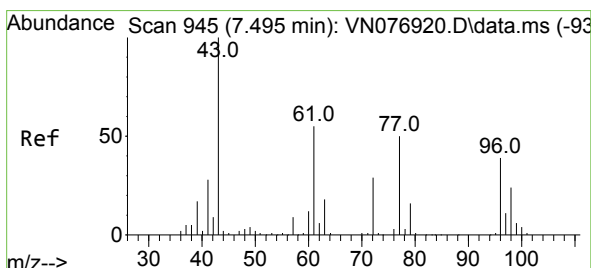
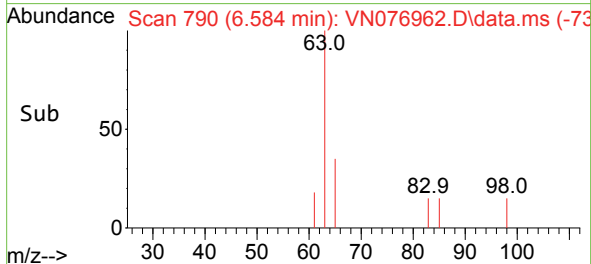
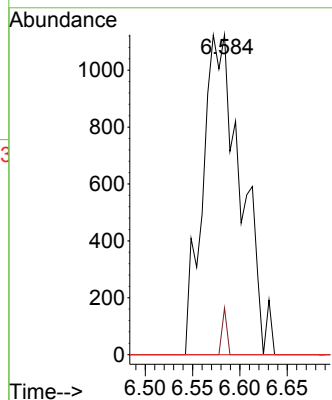
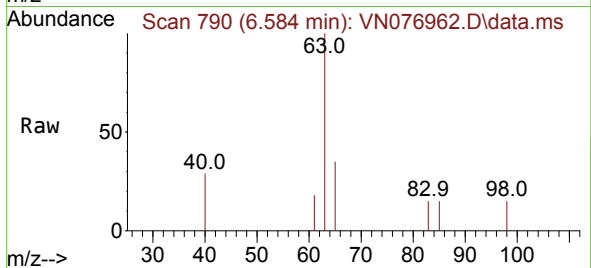
Tgt Ion: 63 Resp: 3176

Ion Ratio Lower Upper

63 100

98 14.6 4.2 12.6#

100 0.0 2.2 6.6#



#27

cis-1,2-Dichloroethene

Concen: 0.267 ug/l

RT: 7.484 min Scan# 943

Delta R.T. -0.011 min

Lab File: VN076962.D

Acq: 13 Mar 2023 15:20

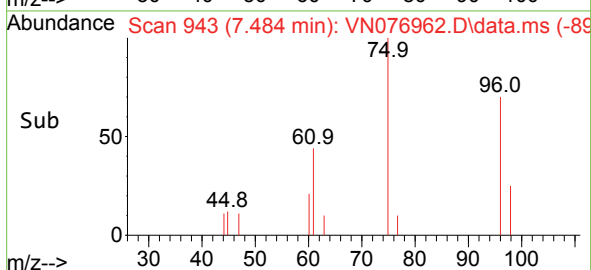
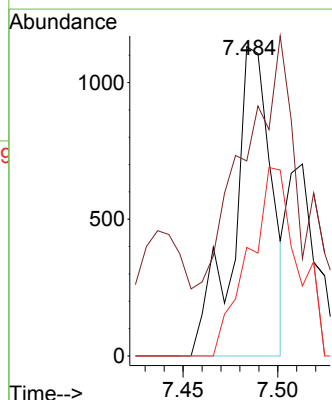
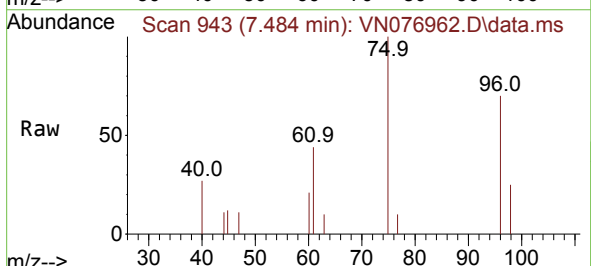
Tgt Ion: 96 Resp: 1577

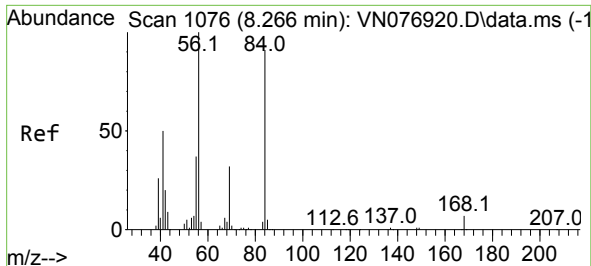
Ion Ratio Lower Upper

96 100

61 179.9 0.0 255.6

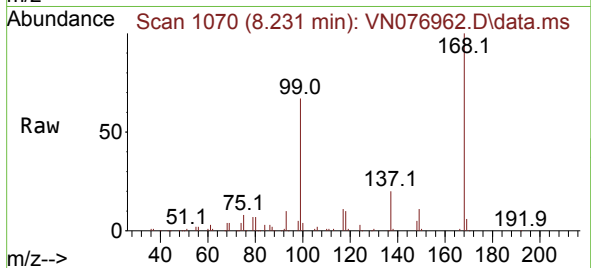
98 78.4 0.0 127.4



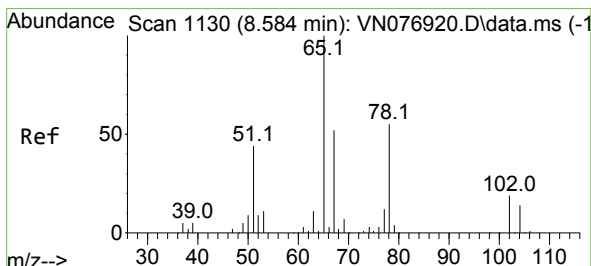
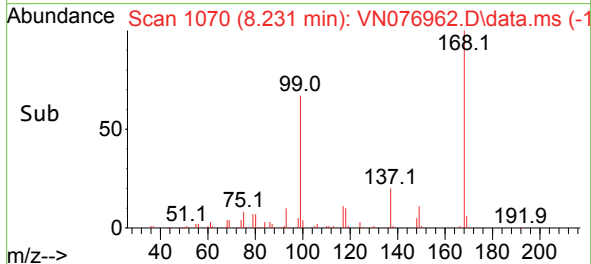
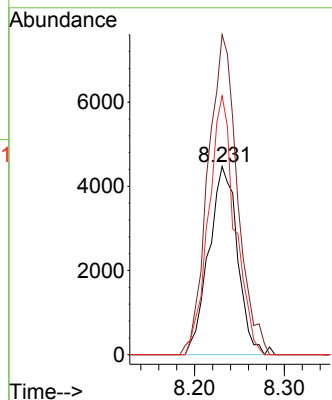


#31
Cyclohexane
Concen: 1.062 ug/l
RT: 8.231 min Scan# 1076
Delta R.T. -0.035 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20230309

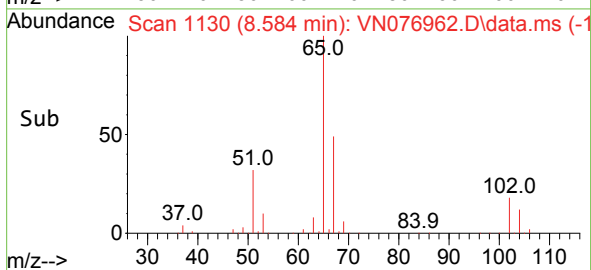
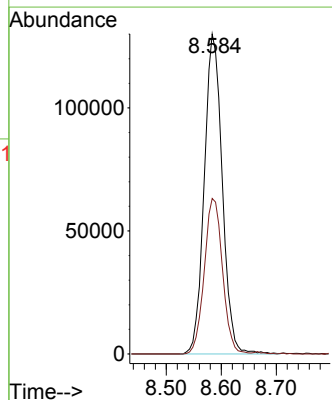
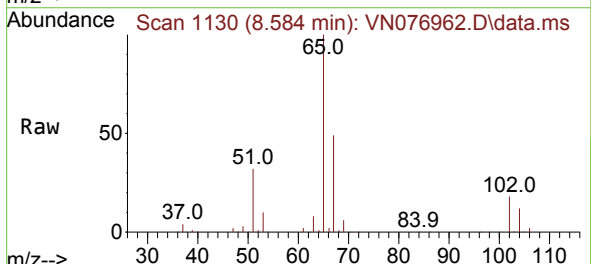


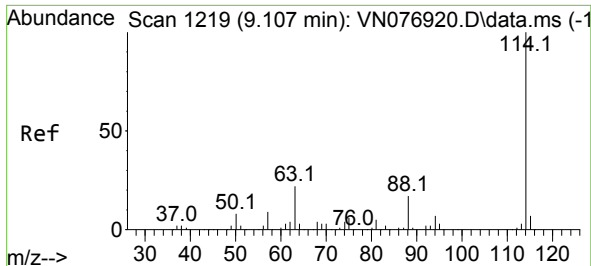
Tgt Ion: 56 Resp: 9933
Ion Ratio Lower Upper
56 100
69 170.0 27.0 40.6#
84 137.5 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 45.371 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

Tgt Ion: 65 Resp: 295735
Ion Ratio Lower Upper
65 100
67 49.1 0.0 107.2

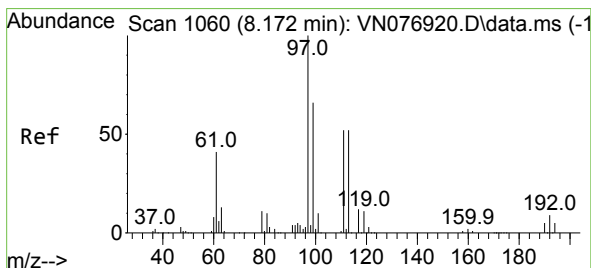
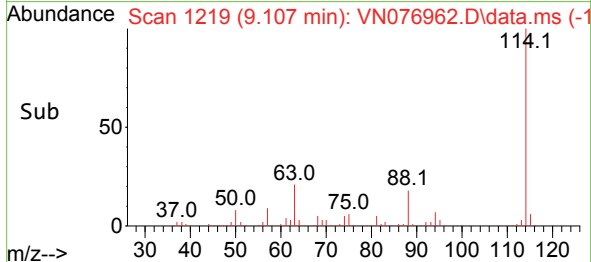
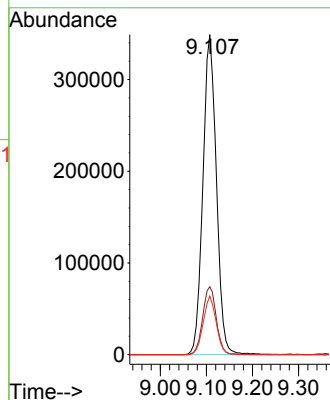
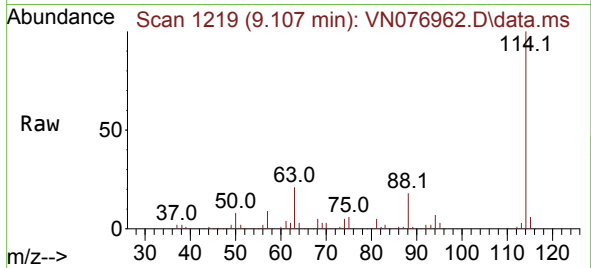




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

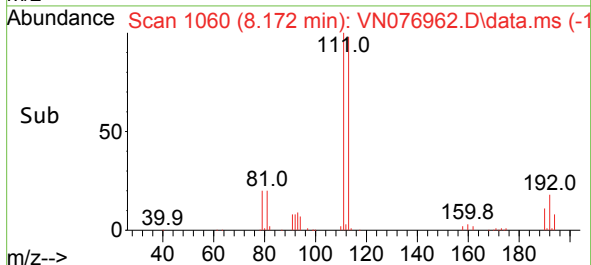
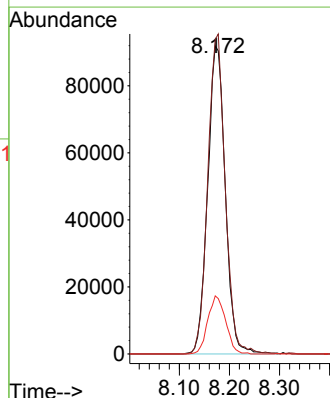
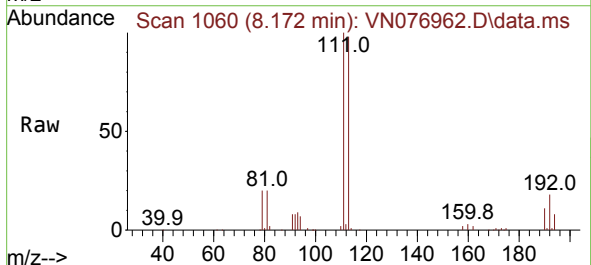
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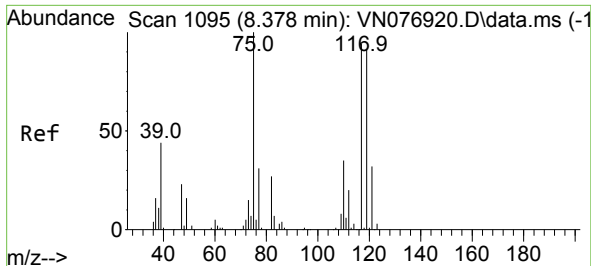
Tgt Ion:114 Resp: 713778
Ion Ratio Lower Upper
114 100
63 21.3 0.0 36.6
88 18.3 0.0 28.6



#35
Dibromofluoromethane
Concen: 47.188 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

Tgt Ion:113 Resp: 224476
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 19.1 13.9 20.9

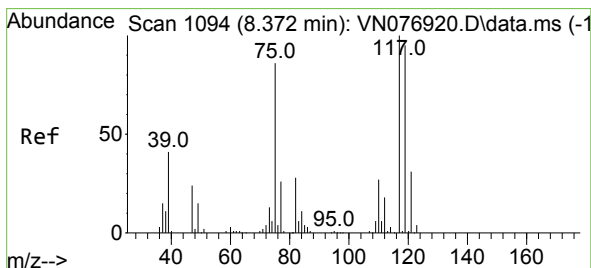
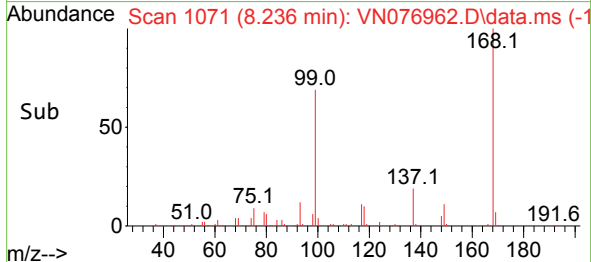
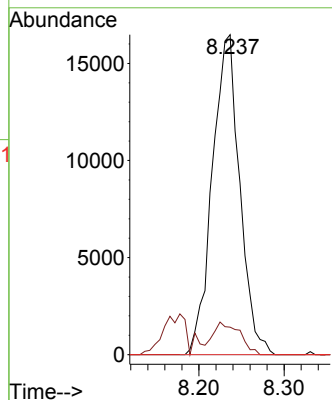
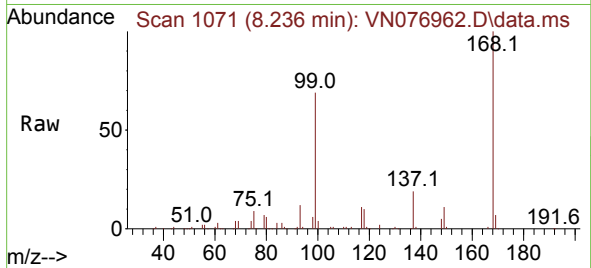




#36
1,1-Dichloropropene
Concen: 5.012 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.142 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

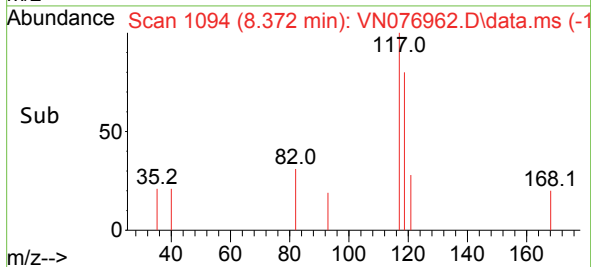
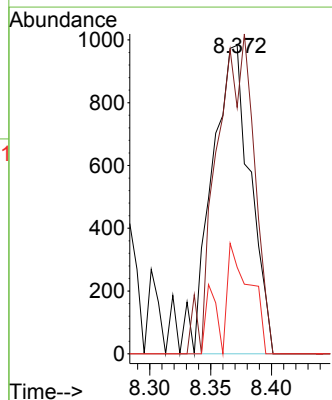
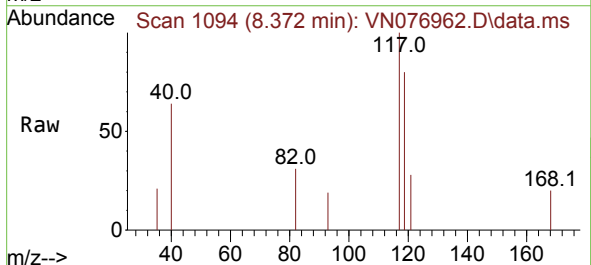
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20230309

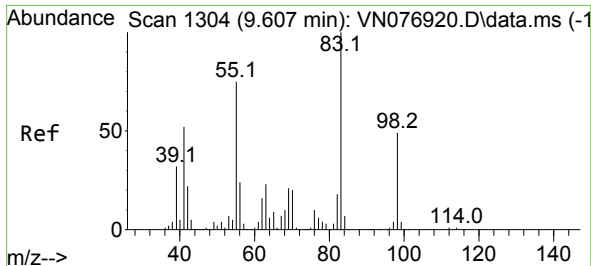
Tgt Ion: 75 Resp: 36875
Ion Ratio Lower Upper
75 100
110 9.9 18.9 56.9#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 0.251 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

Tgt Ion: 117 Resp: 2163
Ion Ratio Lower Upper
117 100
119 79.9 76.9 115.3
121 28.1 23.2 34.8





#39

Methylcyclohexane

Concen: 0.785 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. -0.253 min

Lab File: VN076962.D

Acq: 13 Mar 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

RE115D2-20230309

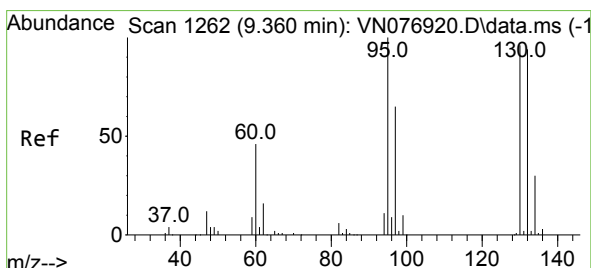
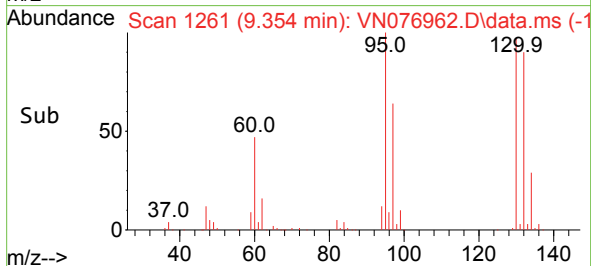
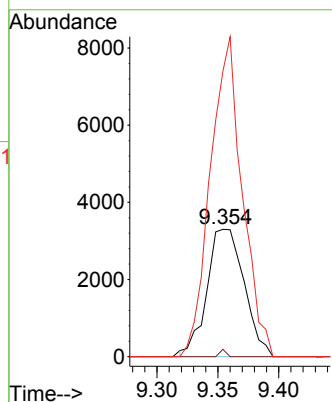
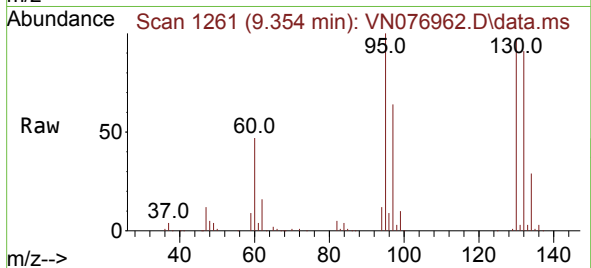
Tgt Ion: 83 Resp: 7008

Ion Ratio Lower Upper

83 100

55 5.8 47.0 70.4#

98 224.0 39.4 59.0#



#44

Trichloroethene

Concen: 101.275 ug/l

RT: 9.360 min Scan# 1262

Delta R.T. -0.000 min

Lab File: VN076962.D

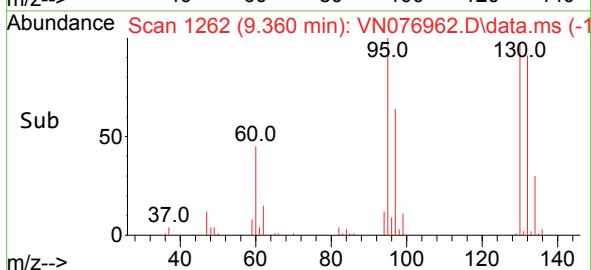
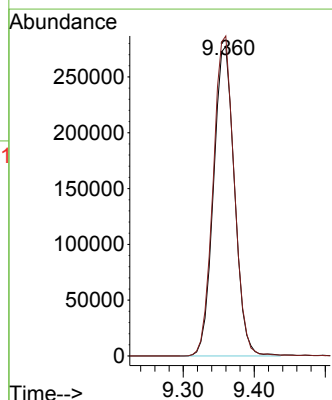
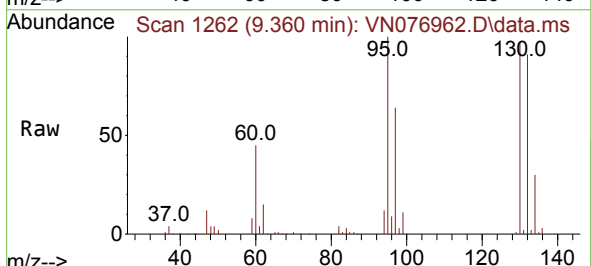
Acq: 13 Mar 2023 15:20

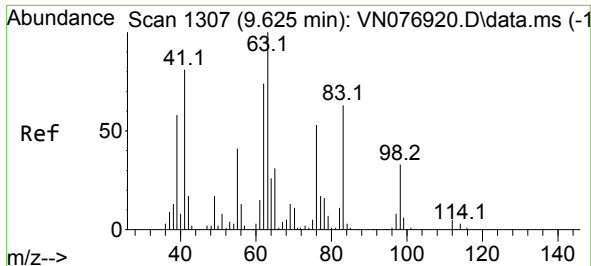
Tgt Ion:130 Resp: 567614

Ion Ratio Lower Upper

130 100

95 103.4 0.0 208.6





#45

1,2-Dichloropropane

Concen: 0.367 ug/l

RT: 9.360 min Scan# 11

Delta R.T. -0.265 min

Lab File: VN076962.D

Acq: 13 Mar 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

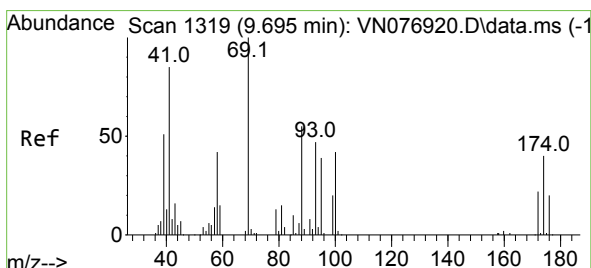
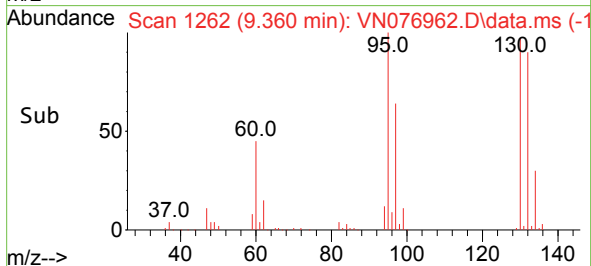
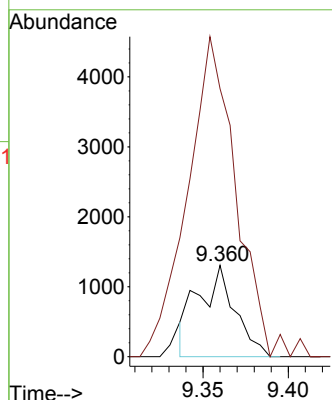
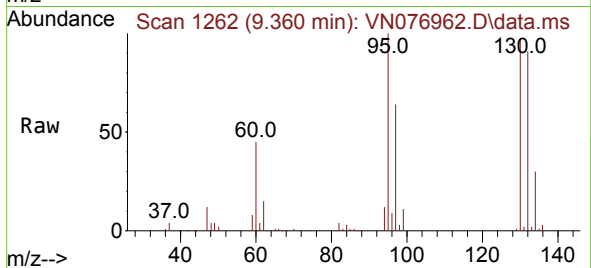
RE115D2-20230309

Tgt Ion: 63 Resp: 1958

Ion Ratio Lower Upper

63 100

65 257.3 25.0 37.6#



#49

1,4-Dioxane

Concen: 0.768 ug/l

RT: 9.689 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN076962.D

Acq: 13 Mar 2023 15:20

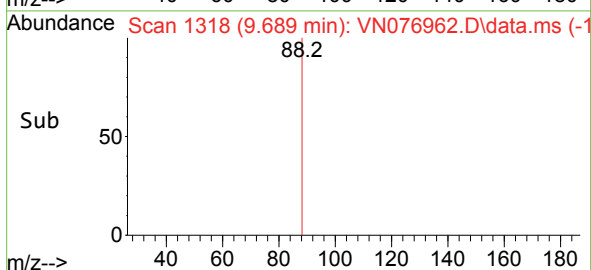
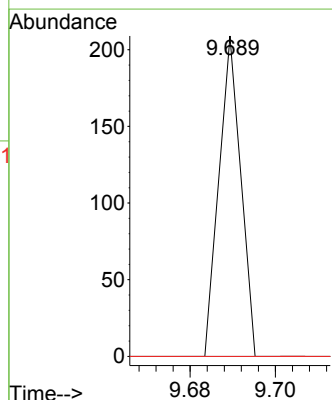
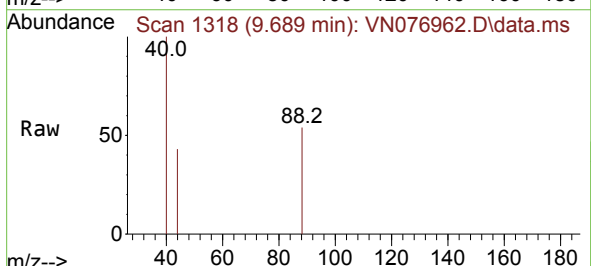
Tgt Ion: 88 Resp: 74

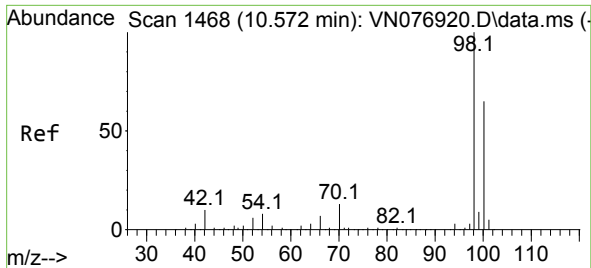
Ion Ratio Lower Upper

88 100

43 0.0 15.3 22.9#

58 0.0 47.6 71.4#

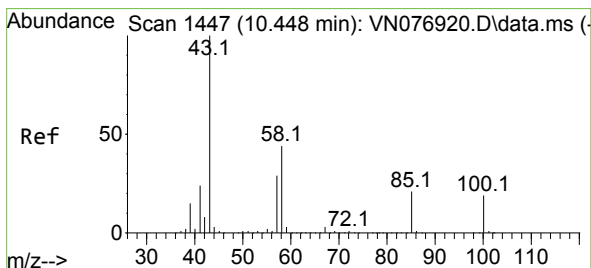
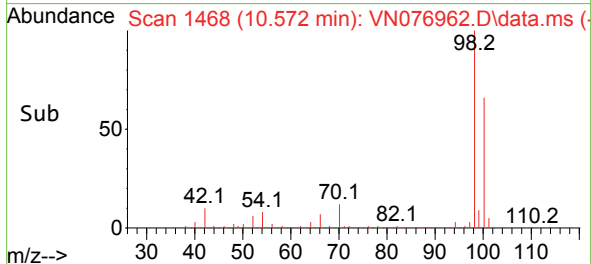
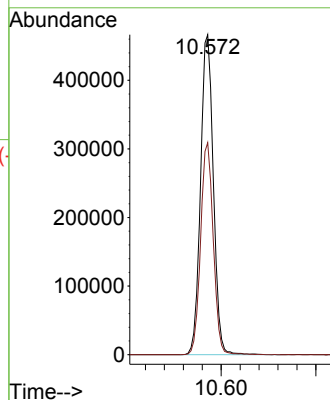
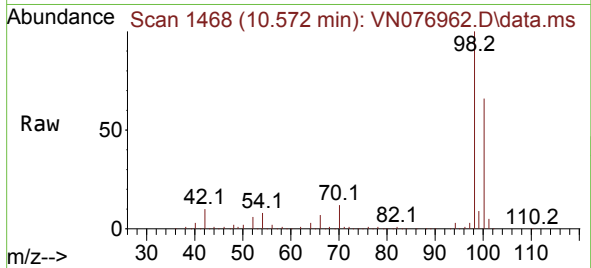




#50
Toluene-d8
Concen: 49.661 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

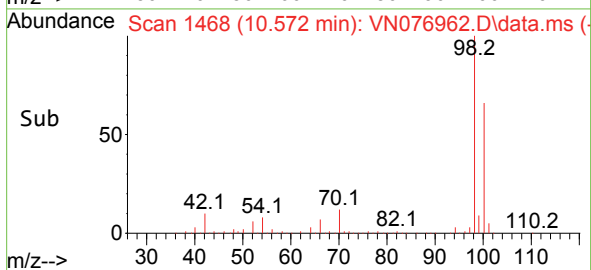
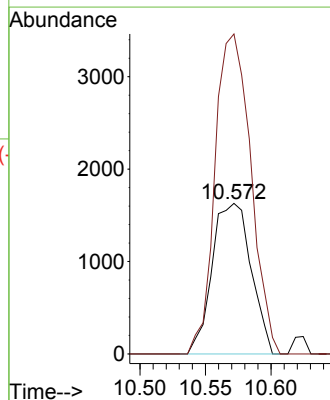
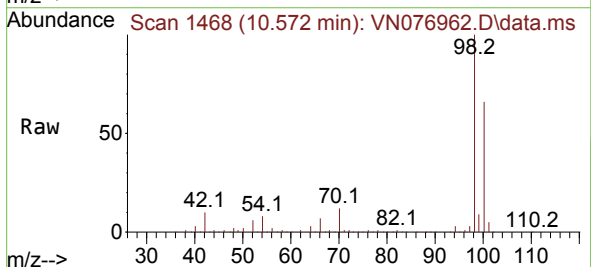
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20230309

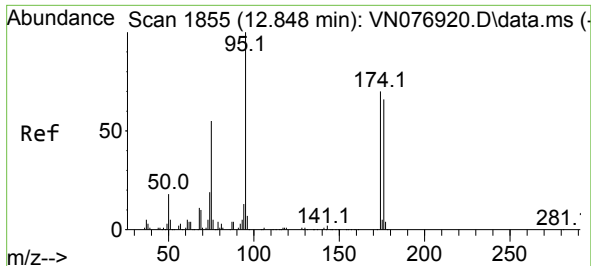
Tgt Ion: 98 Resp: 870666
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.539 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.124 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

Tgt Ion: 43 Resp: 3362
Ion Ratio Lower Upper
43 100
58 195.7 37.4 56.0#

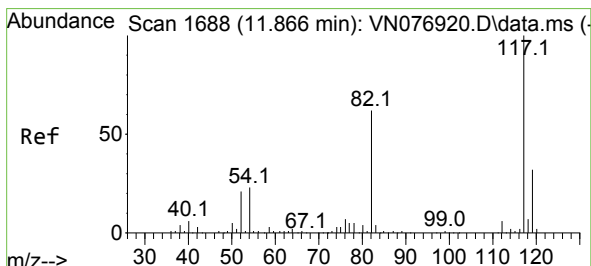
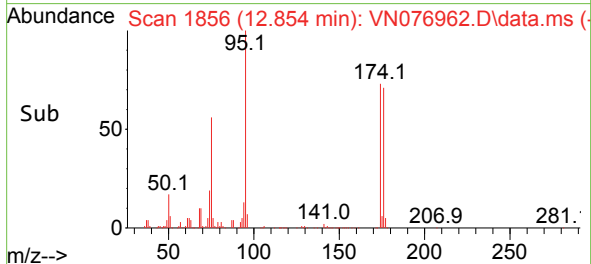
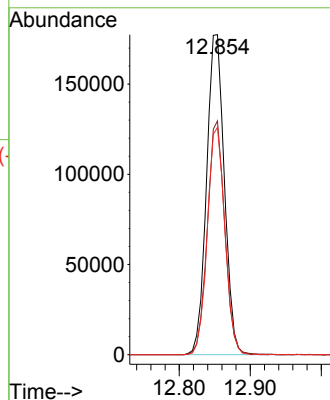
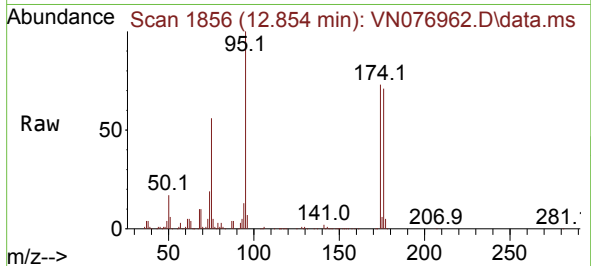




#62
4-Bromofluorobenzene
Concen: 48.222 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

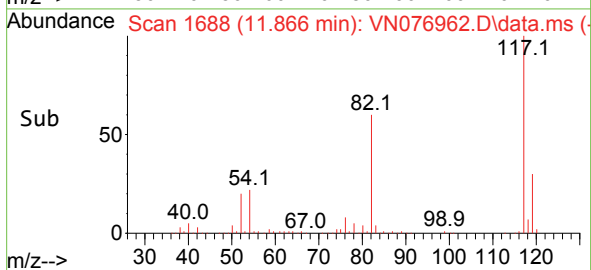
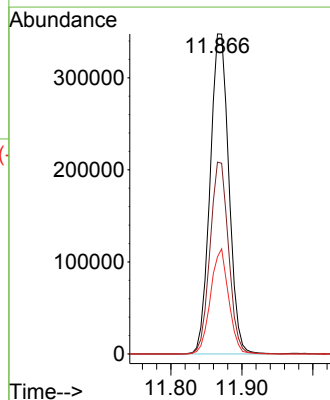
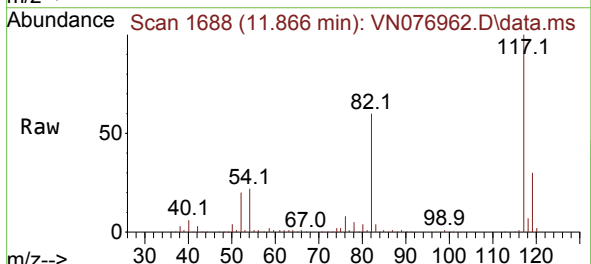
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20230309

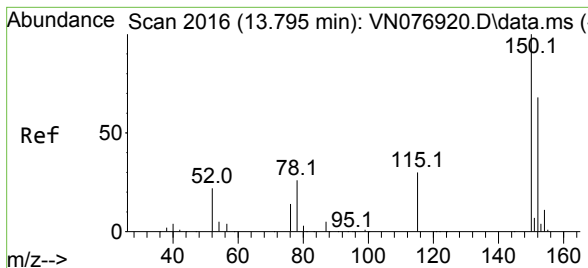
Tgt Ion: 95 Resp: 309232
Ion Ratio Lower Upper
95 100
174 71.3 0.0 162.4
176 70.1 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076962.D
Acq: 13 Mar 2023 15:20

Tgt Ion: 117 Resp: 638457
Ion Ratio Lower Upper
117 100
82 60.0 43.5 65.3
119 30.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN076962.D

Acq: 13 Mar 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

RE115D2-20230309

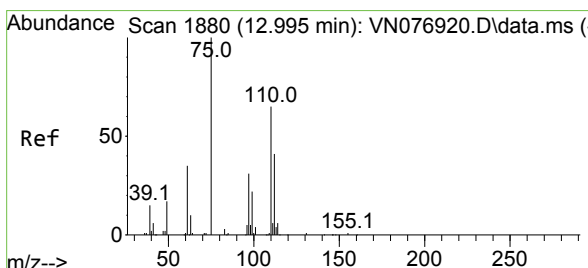
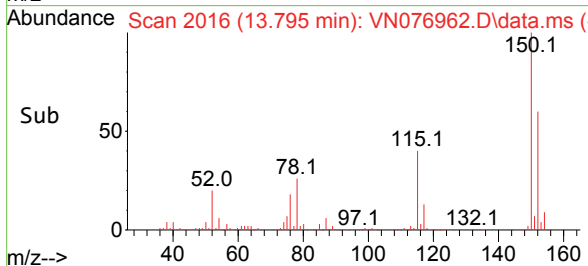
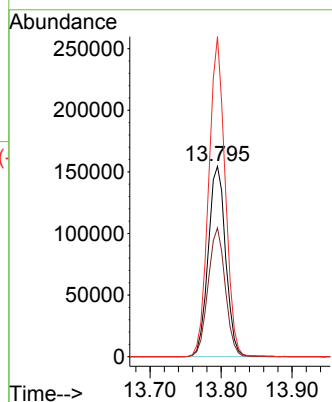
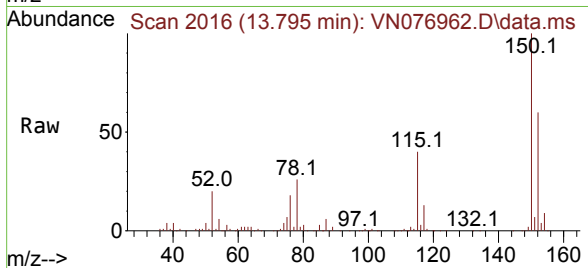
Tgt Ion:152 Resp: 263265

Ion Ratio Lower Upper

152 100

115 66.8 30.3 90.9

150 159.2 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 26.070 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076962.D

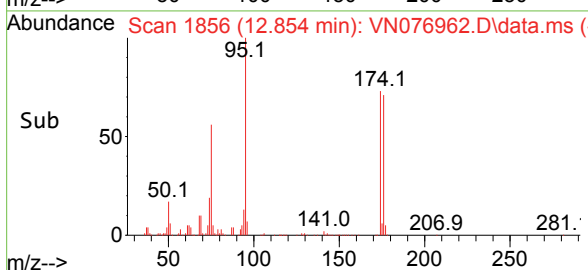
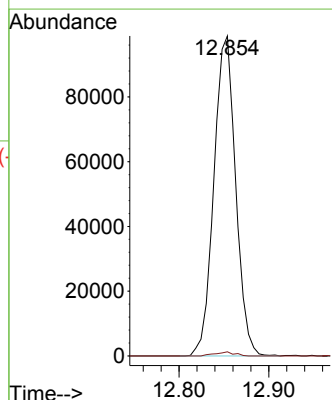
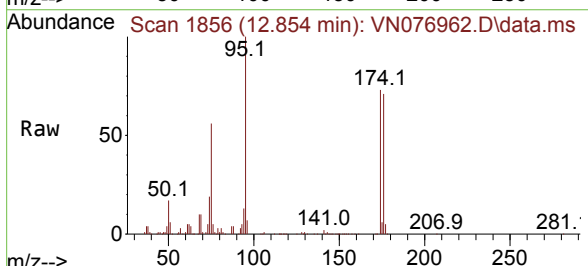
Acq: 13 Mar 2023 15:20

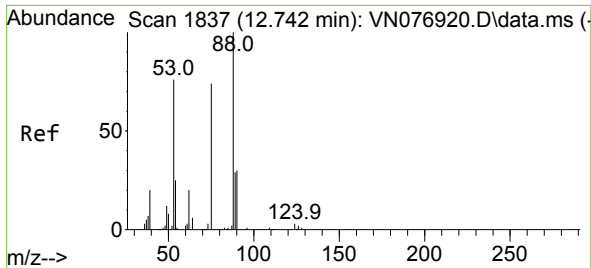
Tgt Ion: 75 Resp: 166398

Ion Ratio Lower Upper

75 100

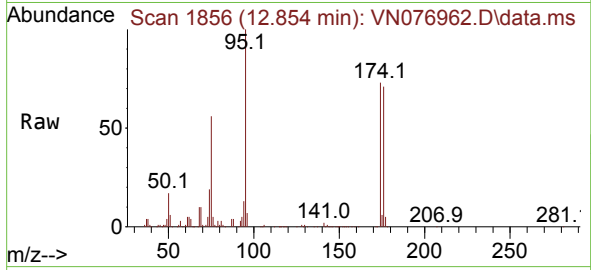
77 1.1 93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.158 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN076962.D
 Acq: 13 Mar 2023 15:20

Instrument :
 MSVOA_N
 ClientSampleId :
 RE115D2-20230309



Tgt Ion: 75 Resp: 166398
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.1 39.5 59.3#

