

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076723.D
 Acq On : 16 Feb 2023 19:52
 Operator : JC\MD
 Sample : 01549-02
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:18:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

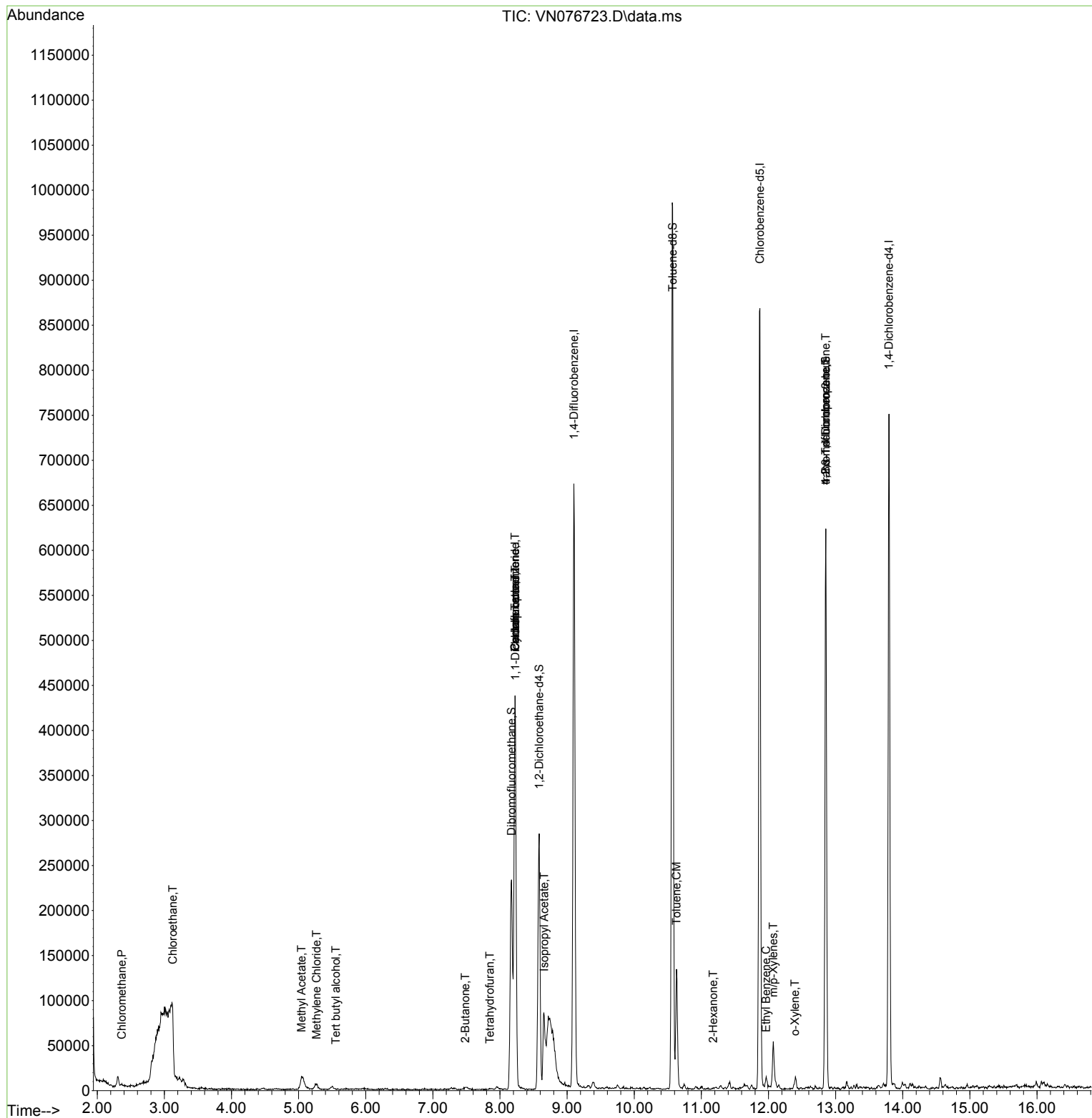
Internal Standards						
1) Pentafluorobenzene	8.225	168	308177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	568606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	492269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	185898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	217329	51.071	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.140%
35) Dibromofluoromethane	8.172	113	163666	43.953	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.900%
50) Toluene-d8	10.572	98	668177	48.048	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.100%
62) 4-Bromofluorobenzene	12.854	95	199620	43.341	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.680%
Target Compounds						
						Qvalue
3) Chloromethane	2.366	50	937	0.219	ug/l	95
6) Chloroethane	3.125	64	990	0.373	ug/l #	80
11) Tert butyl alcohol	5.554	59	229	0.408	ug/l #	71
18) Methyl Acetate	5.042	43	19924	3.211	ug/l	96
20) Methylene Chloride	5.266	84	5476	1.375	ug/l #	50
25) 2-Butanone	7.483	43	989	0.353	ug/l #	51
29) Tetrahydrofuran	7.848	42	449	0.245	ug/l #	46
31) Cyclohexane	8.225	56	8234	1.233	ug/l #	23
36) 1,1-Dichloropropene	8.230	75	28025	5.209	ug/l #	42
38) Carbon Tetrachloride	8.225	117	32732	6.031	ug/l #	17
43) Isopropyl Acetate	8.660	43	75371	8.183	ug/l #	58
52) Toluene	10.630	92	51134	5.126	ug/l	96
59) 2-Hexanone	11.177	43	1883	0.446	ug/l #	27
67) Ethyl Benzene	11.966	91	8792	0.495	ug/l	100
68) m/p-Xylenes	12.071	106	11398	1.664	ug/l	99
69) o-Xylene	12.395	106	2749	0.411	ug/l	82
76) 1,2,3-Trichloropropane	12.854	75	109155	29.043	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	109155	84.591	ug/l #	4

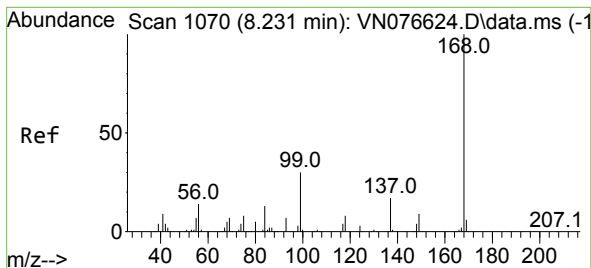
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.225 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076723.D

Acq: 16 Feb 2023 19:52

Instrument :

MSVOA_N

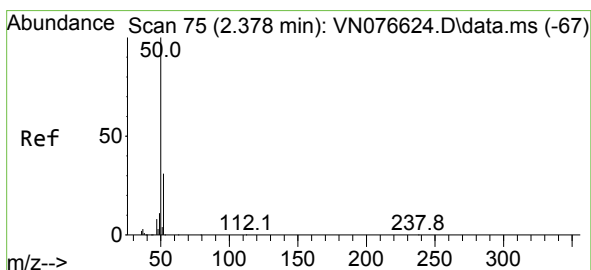
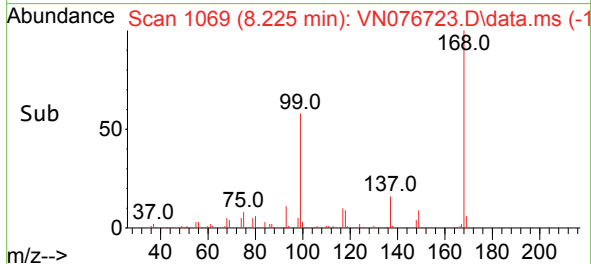
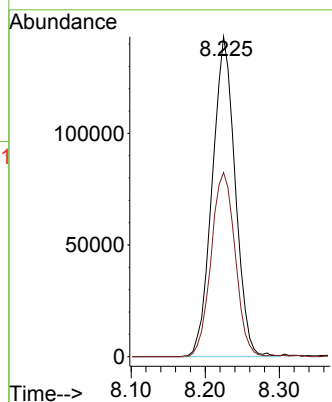
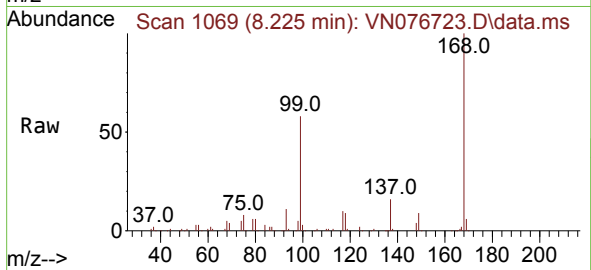
ClientSampleId :

Tgt Ion:168 Resp: 308177

Ion Ratio Lower Upper

168 100

99 57.6 44.8 67.2



#3

Chloromethane

Concen: 0.219 ug/l

RT: 2.366 min Scan# 73

Delta R.T. -0.012 min

Lab File: VN076723.D

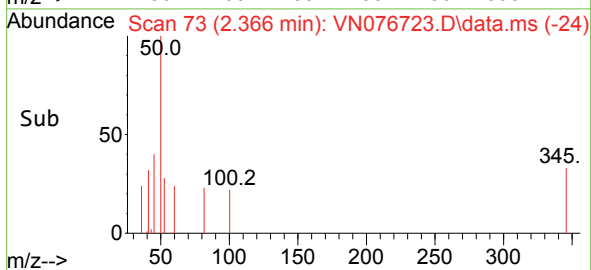
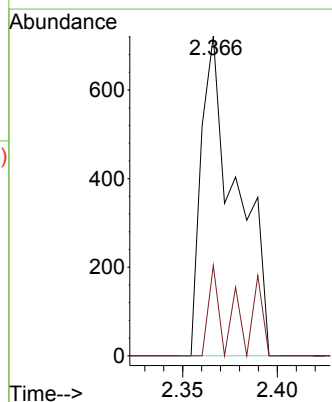
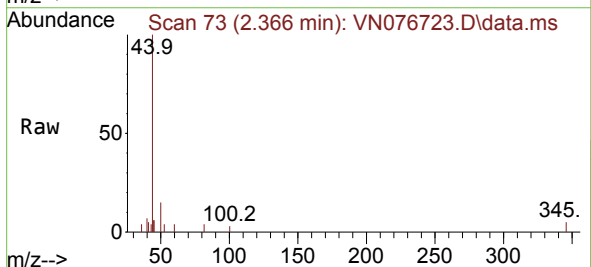
Acq: 16 Feb 2023 19:52

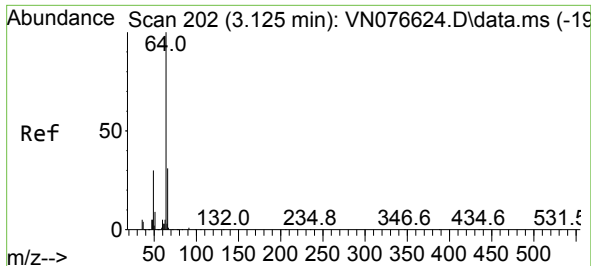
Tgt Ion: 50 Resp: 937

Ion Ratio Lower Upper

50 100

52 28.3 24.7 37.1

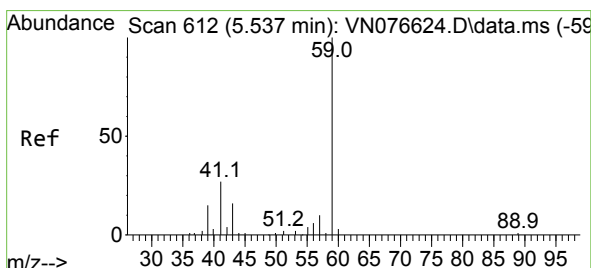
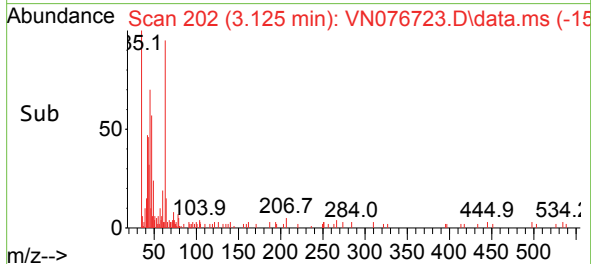
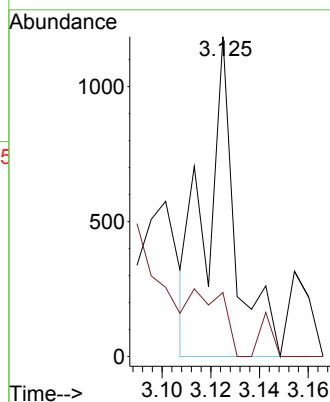
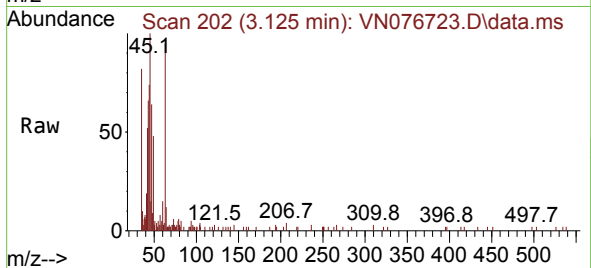




#6
Chloroethane
Concen: 0.373 ug/l
RT: 3.125 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

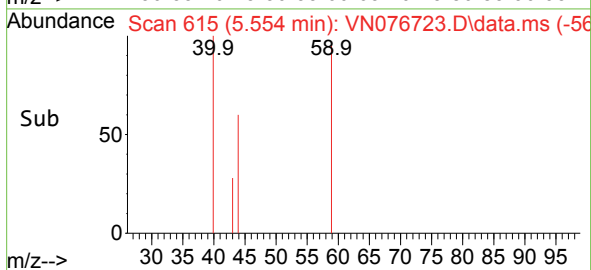
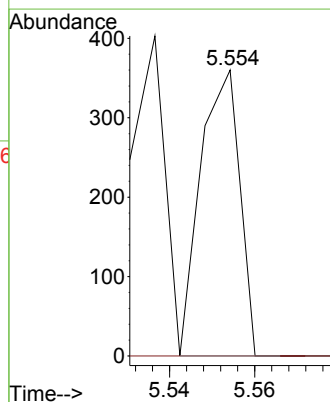
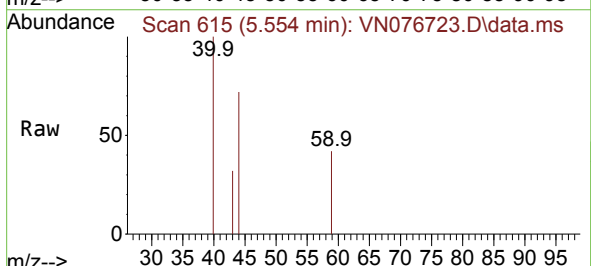
Instrument :
MSVOA_N
ClientSampleId :

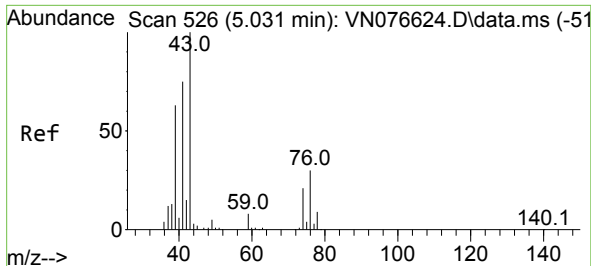
Tgt Ion: 64 Resp: 990
Ion Ratio Lower Upper
64 100
66 20.0 24.6 37.0#



#11
Tert butyl alcohol
Concen: 0.408 ug/l
RT: 5.554 min Scan# 615
Delta R.T. 0.017 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

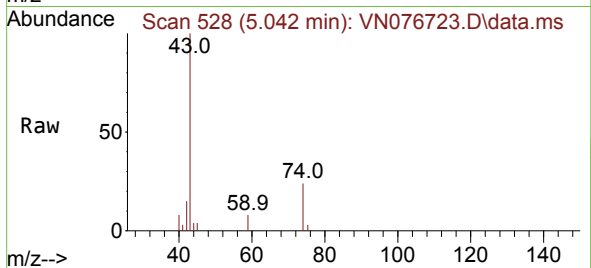
Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



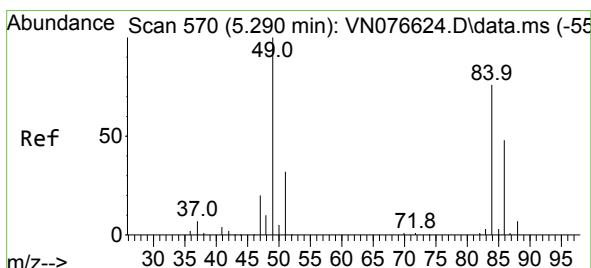
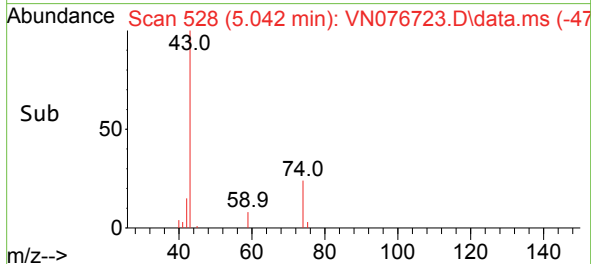
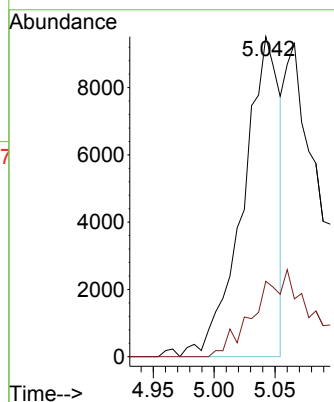


#18
Methyl Acetate
Concen: 3.211 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

Instrument :
MSVOA_N
ClientSampleId :

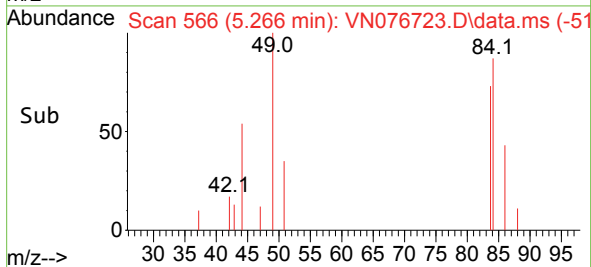
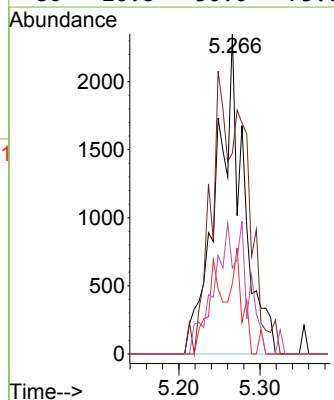
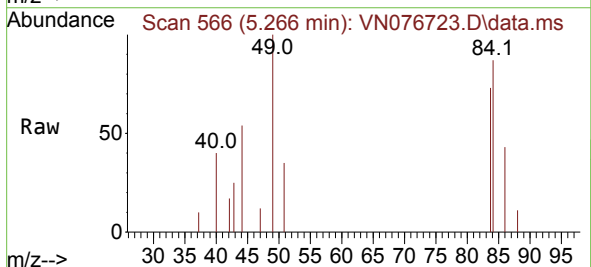


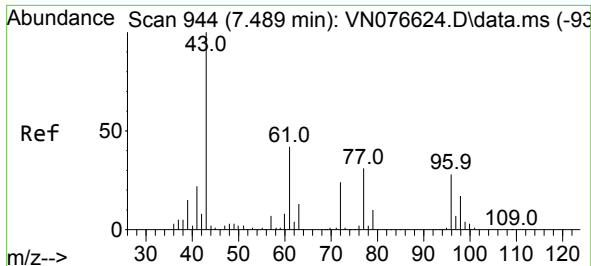
Tgt Ion: 43 Resp: 19924
Ion Ratio Lower Upper
43 100
74 20.2 17.7 26.5



#20
Methylene Chloride
Concen: 1.375 ug/l
RT: 5.266 min Scan# 566
Delta R.T. -0.024 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

Tgt Ion: 84 Resp: 5476
Ion Ratio Lower Upper
84 100
49 62.7 104.9 157.3#
51 21.9 33.8 50.8#
86 26.8 50.0 75.0#





#25

2-Butanone

Concen: 0.353 ug/l

RT: 7.483 min Scan# 944

Delta R.T. -0.006 min

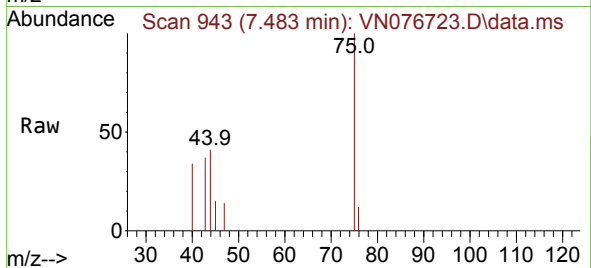
Lab File: VN076723.D

Acq: 16 Feb 2023 19:52

Instrument :

MSVOA_N

ClientSampleId :

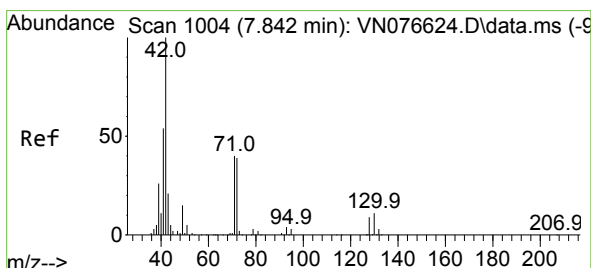
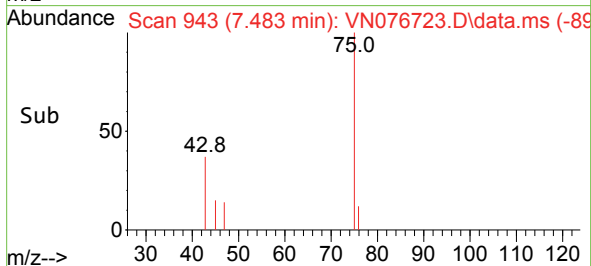
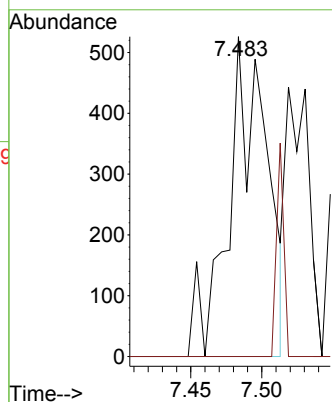


Tgt Ion: 43 Resp: 989

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 7.848 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VN076723.D

Acq: 16 Feb 2023 19:52

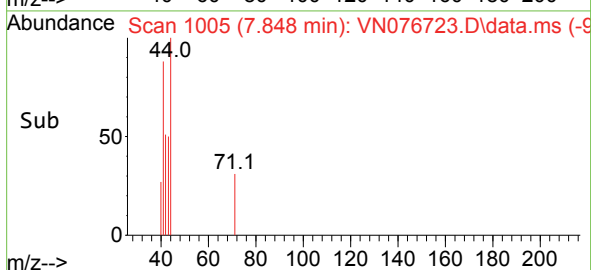
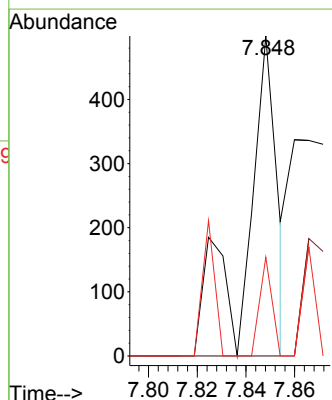
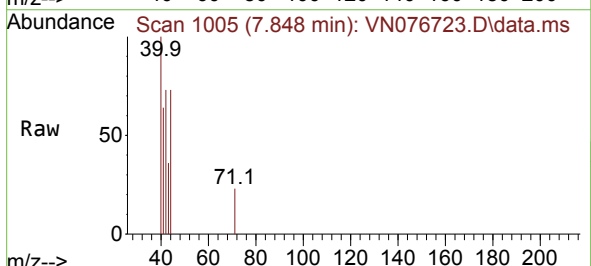
Tgt Ion: 42 Resp: 449

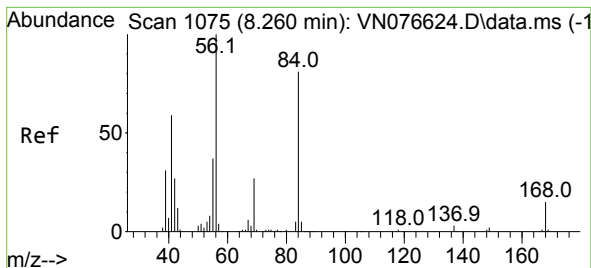
Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

71 12.0 29.8 44.8#





#31

Cyclohexane

Concen: 1.233 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.035 min

Lab File: VN076723.D

Acq: 16 Feb 2023 19:52

Instrument :

MSVOA_N

ClientSampleId :

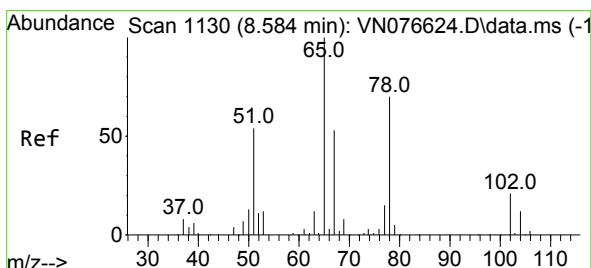
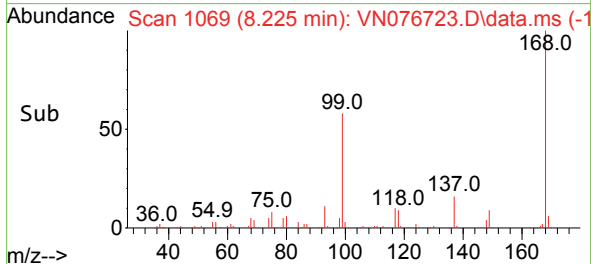
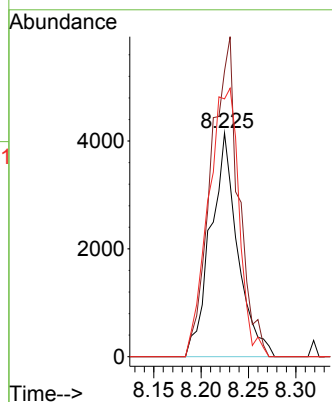
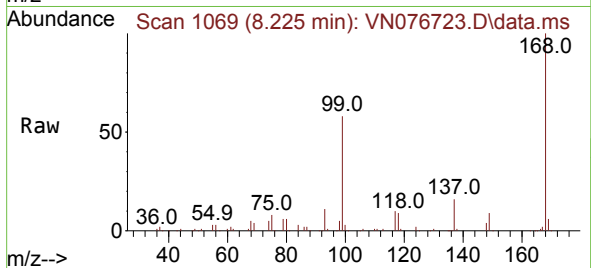
Tgt Ion: 56 Resp: 8234

Ion Ratio Lower Upper

56 100

69 127.7 21.6 32.4#

84 115.3 65.1 97.7#



#33

1,2-Dichloroethane-d4

Concen: 51.071 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076723.D

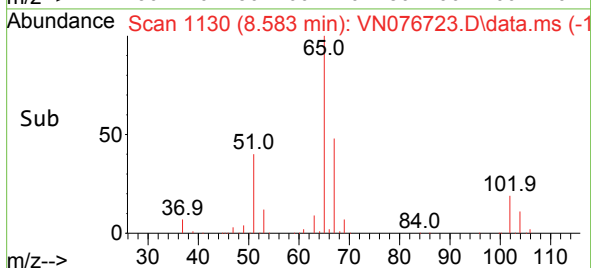
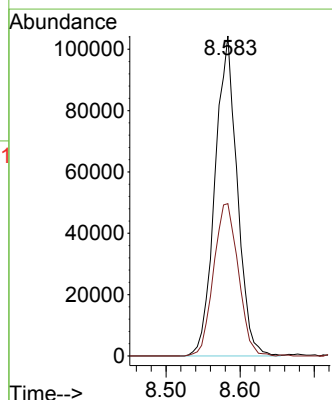
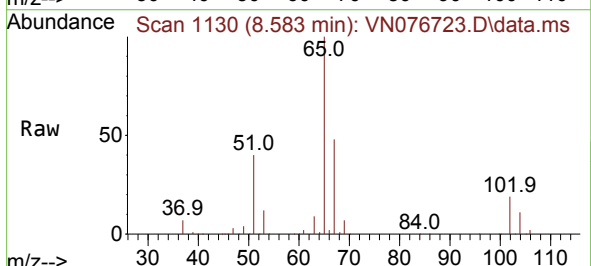
Acq: 16 Feb 2023 19:52

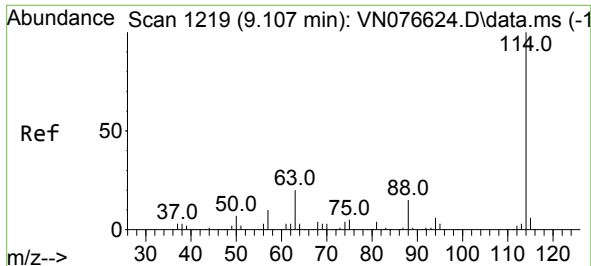
Tgt Ion: 65 Resp: 217329

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN076723.D

Acq: 16 Feb 2023 19:52

Instrument :

MSVOA_N

ClientSampleId :

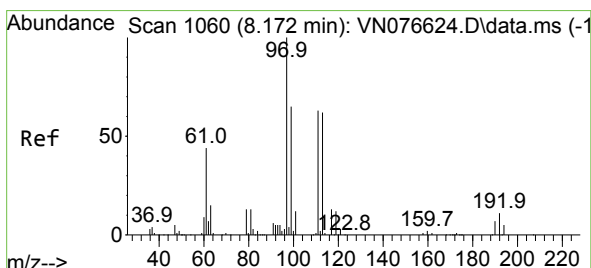
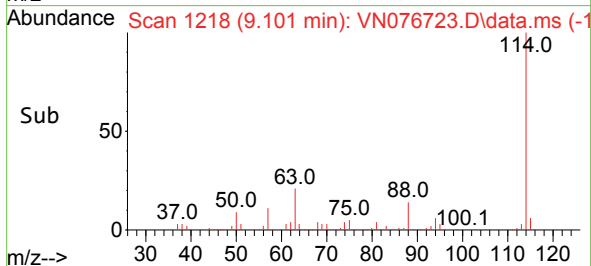
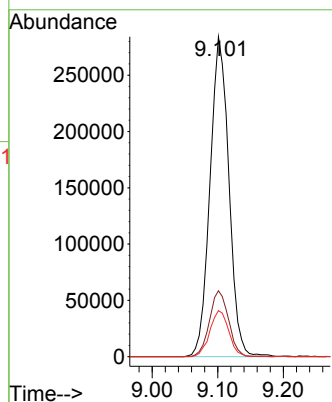
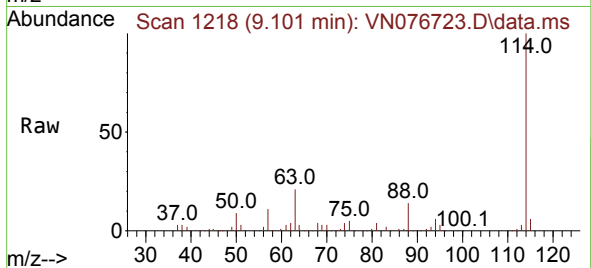
Tgt Ion:114 Resp: 568606

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 14.4 0.0 29.6



#35

Dibromofluoromethane

Concen: 43.953 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076723.D

Acq: 16 Feb 2023 19:52

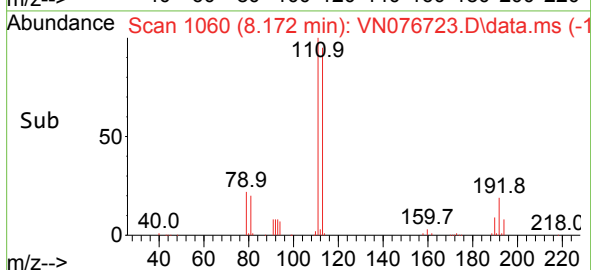
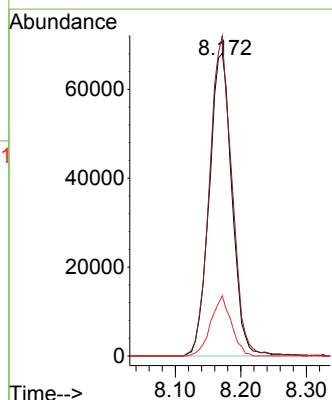
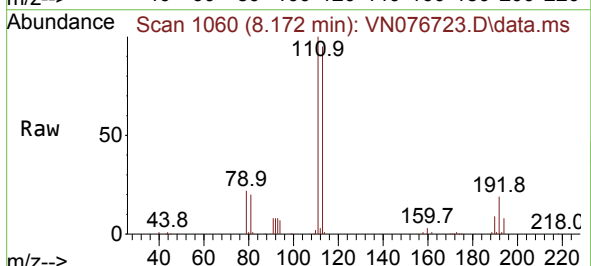
Tgt Ion:113 Resp: 163666

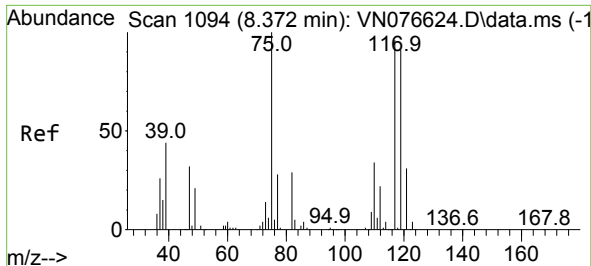
Ion Ratio Lower Upper

113 100

111 104.6 83.1 124.7

192 18.0 15.6 23.4

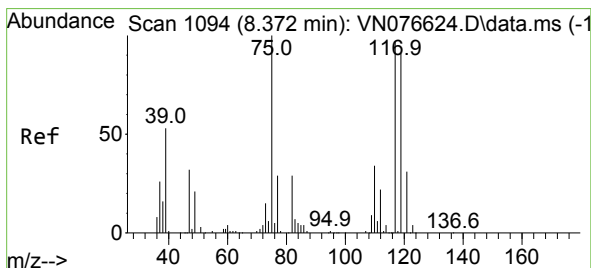
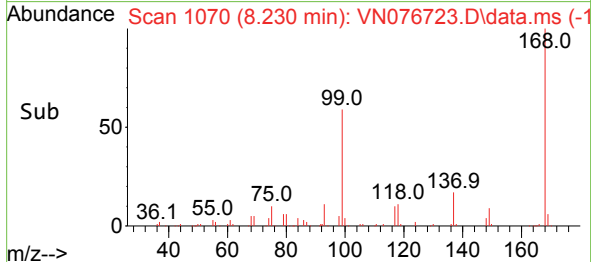
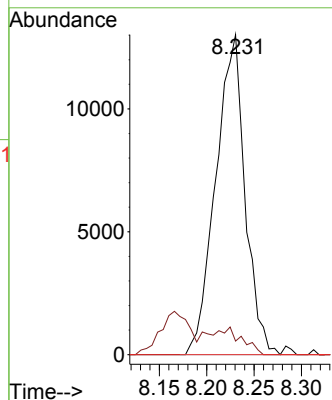
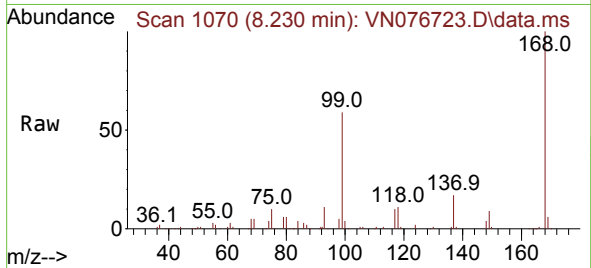




#36
1,1-Dichloropropene
Concen: 5.209 ug/l
RT: 8.230 min Scan# 1069
Delta R.T. -0.142 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

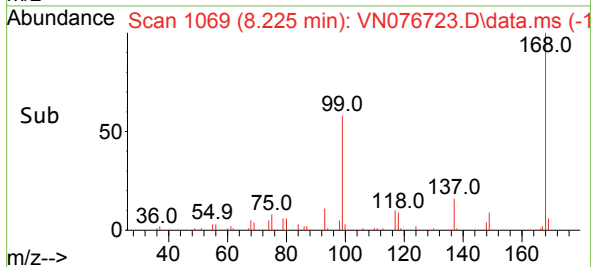
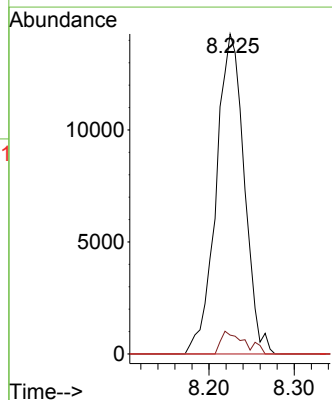
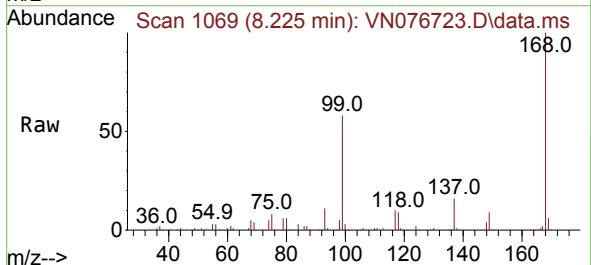
Instrument :
MSVOA_N
ClientSampleId :

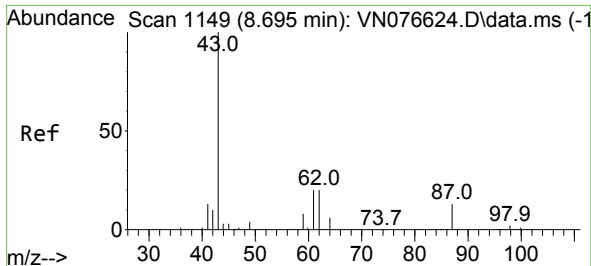
Tgt Ion: 75 Resp: 28025
Ion Ratio Lower Upper
75 100
110 0.0 17.5 52.5#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.031 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.147 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

Tgt Ion: 117 Resp: 32732
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.0#
121 0.0 26.0 39.0#

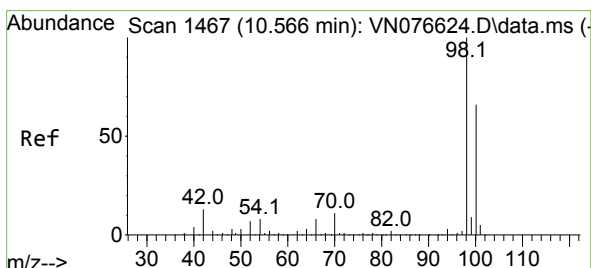
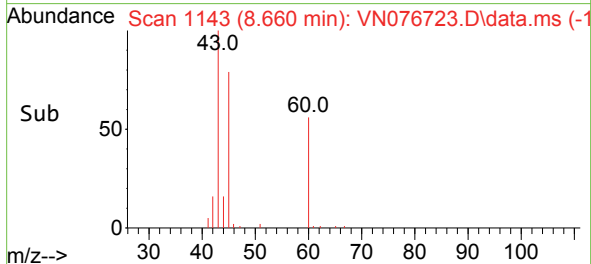
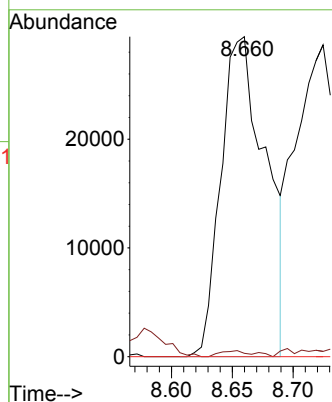
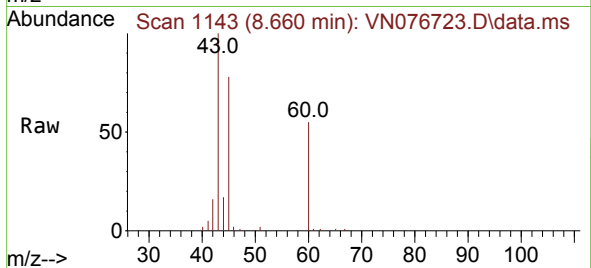




#43
Isopropyl Acetate
Concen: 8.183 ug/l
RT: 8.660 min Scan# 1143
Delta R.T. -0.035 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

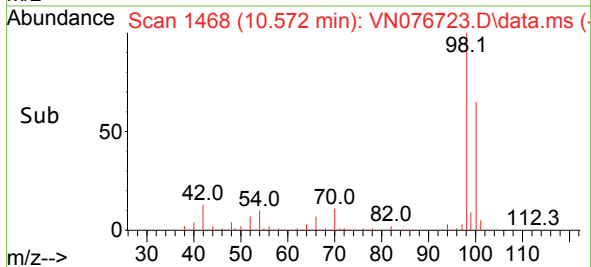
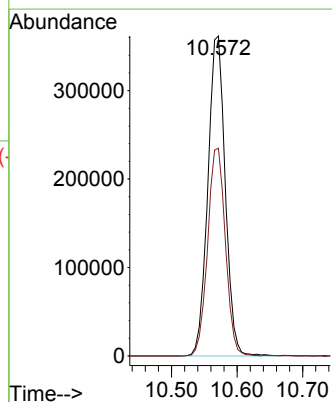
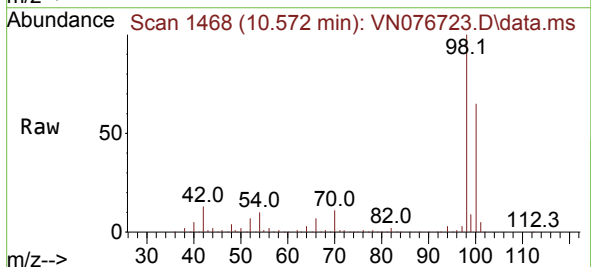
Instrument :
MSVOA_N
ClientSampleId :

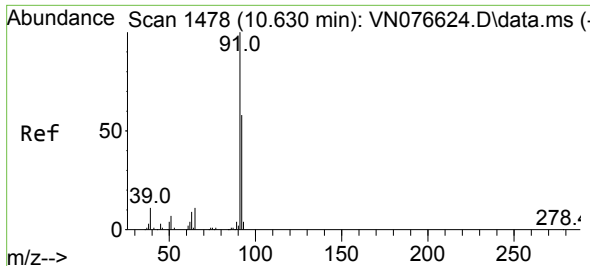
Tgt Ion: 43 Resp: 75371
Ion Ratio Lower Upper
43 100
61 1.4 20.0 30.0#
87 0.0 9.9 14.9#



#50
Toluene-d8
Concen: 48.048 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

Tgt Ion: 98 Resp: 668177
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3

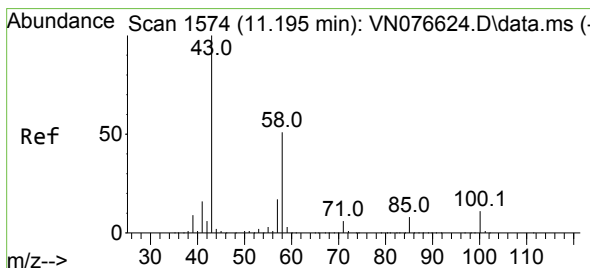
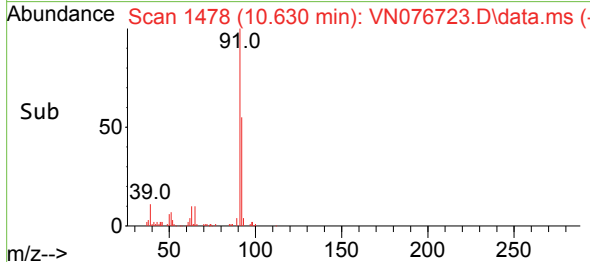
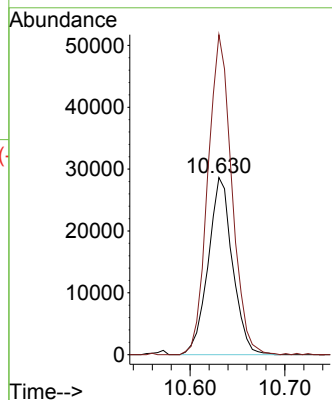
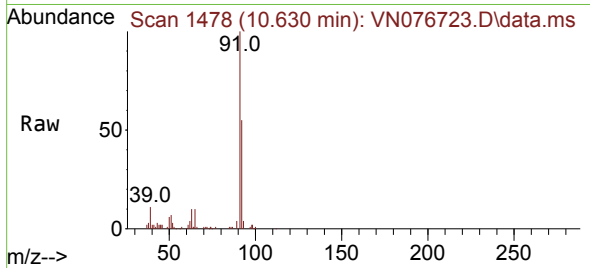




#52
Toluene
Concen: 5.126 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

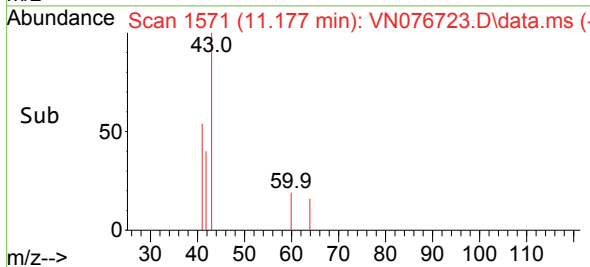
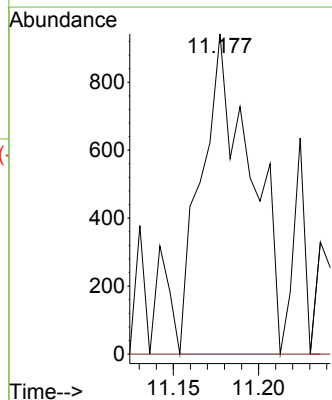
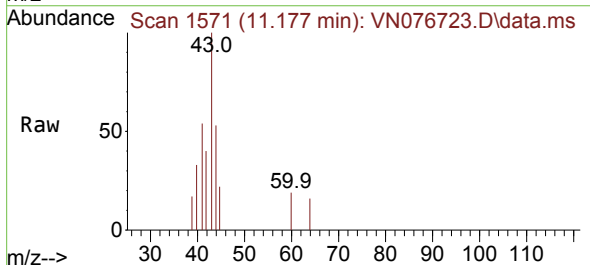
Instrument :
MSVOA_N
ClientSampleId :

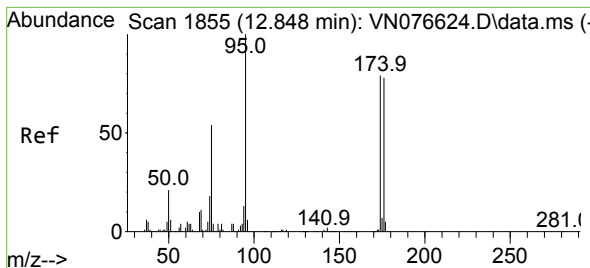
Tgt Ion: 92 Resp: 51134
Ion Ratio Lower Upper
92 100
91 177.8 138.0 207.0



#59
2-Hexanone
Concen: 0.446 ug/l
RT: 11.177 min Scan# 1571
Delta R.T. -0.018 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

Tgt Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#

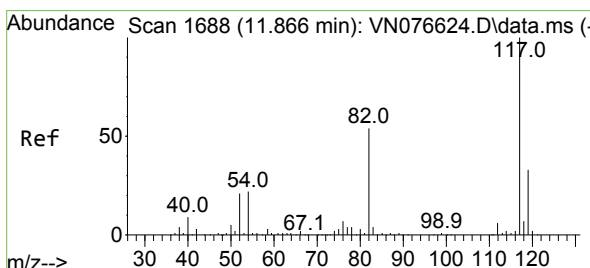
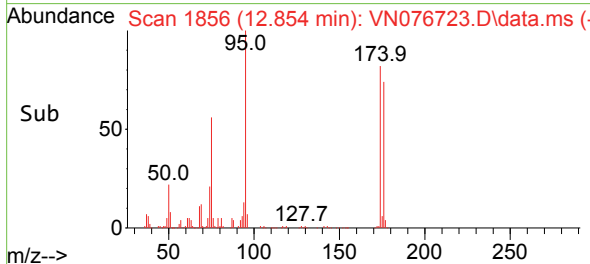
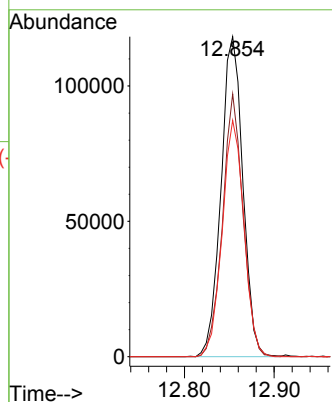
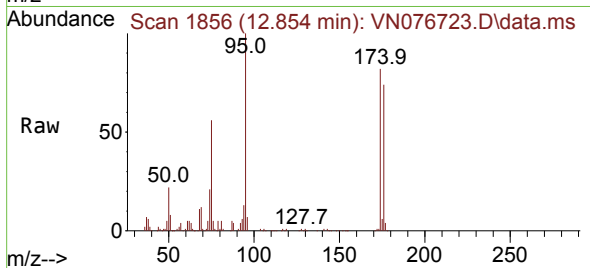




#62
4-Bromofluorobenzene
Concen: 43.341 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

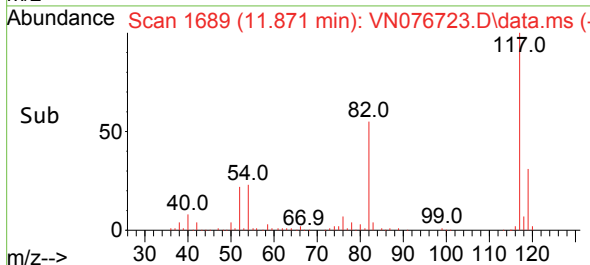
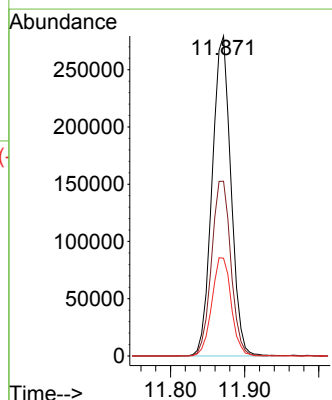
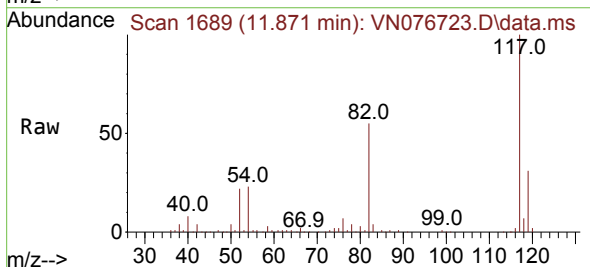
Instrument :
MSVOA_N
ClientSampleId :

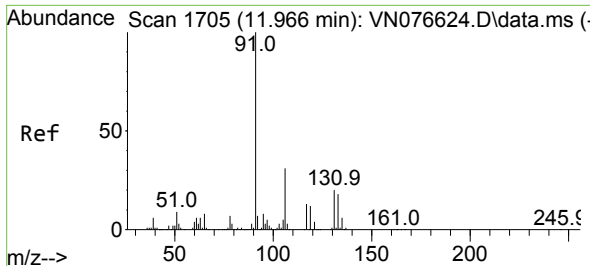
Tgt Ion: 95 Resp: 199620
Ion Ratio Lower Upper
95 100
174 77.3 0.0 169.2
176 73.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

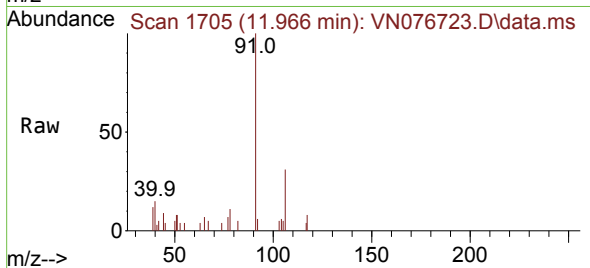
Tgt Ion: 117 Resp: 492269
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.2
119 30.6 26.1 39.1



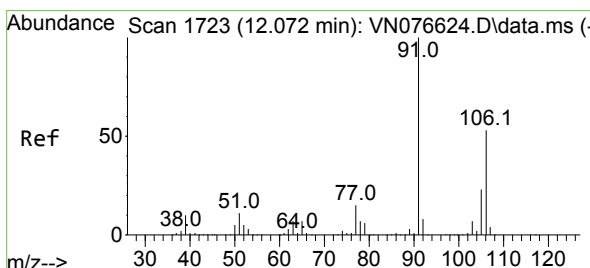
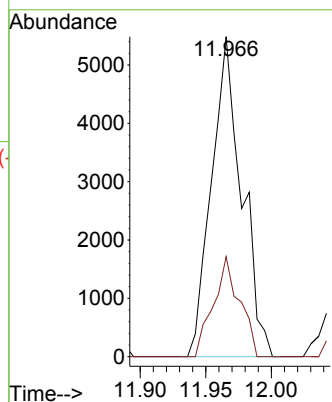
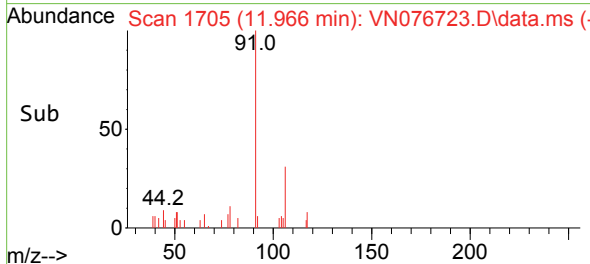


#67
Ethyl Benzene
Concen: 0.495 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

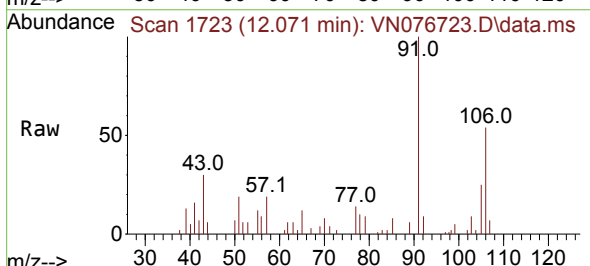
Instrument :
MSVOA_N
ClientSampleId :



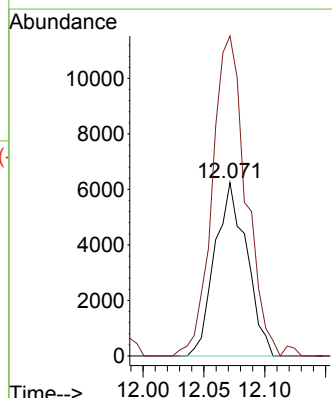
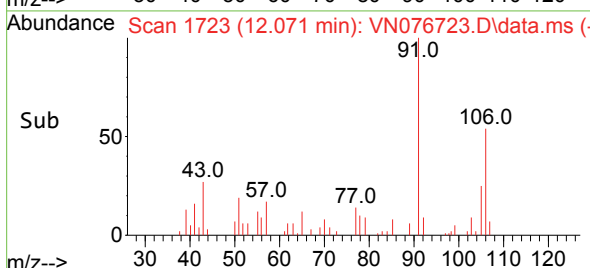
Tgt Ion: 91 Resp: 8792
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

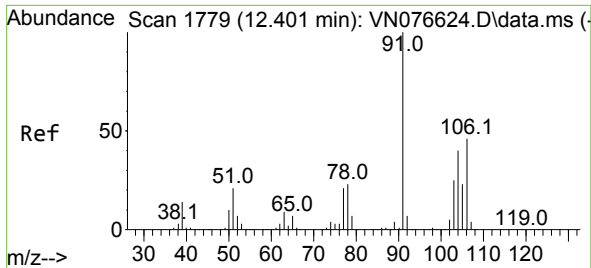


#68
m/p-Xylenes
Concen: 1.664 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52



Tgt Ion: 106 Resp: 11398
Ion Ratio Lower Upper
106 100
91 195.0 154.7 232.1

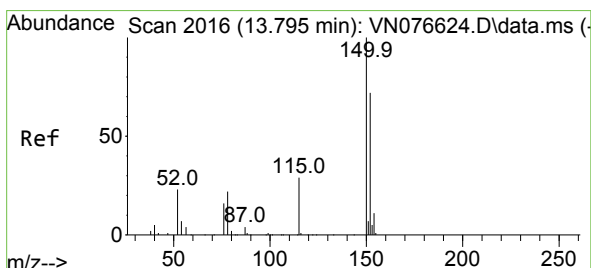
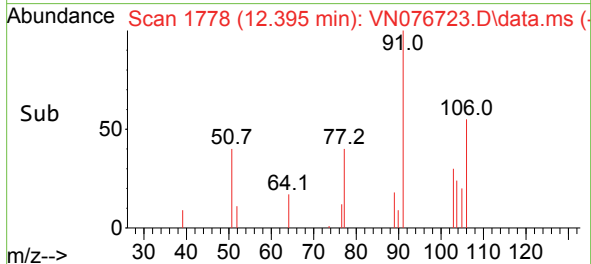
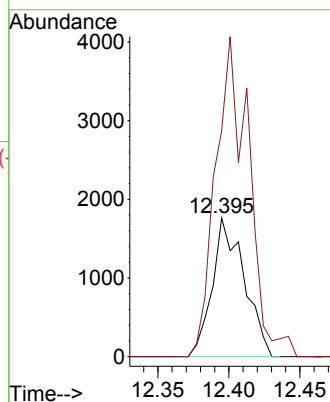
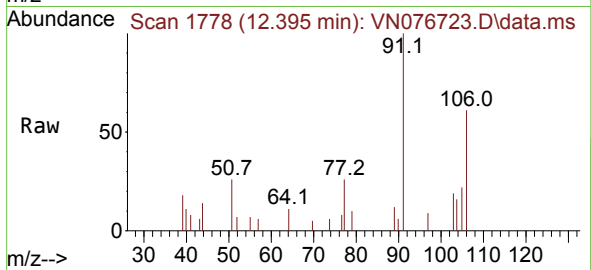




#69
o-Xylene
Concen: 0.411 ug/l
RT: 12.395 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

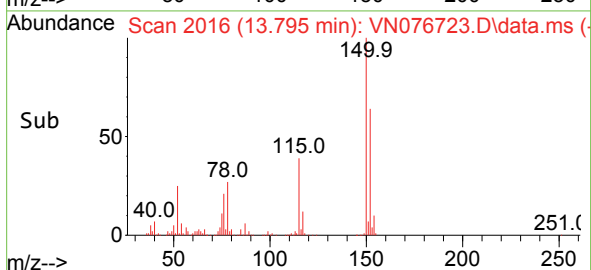
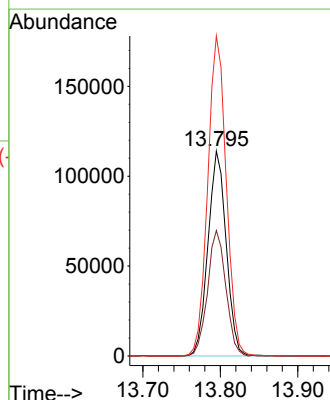
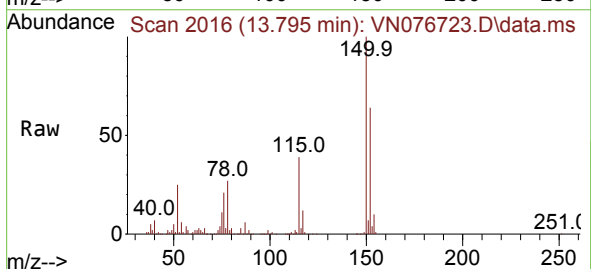
Instrument :
MSVOA_N
ClientSampleId :

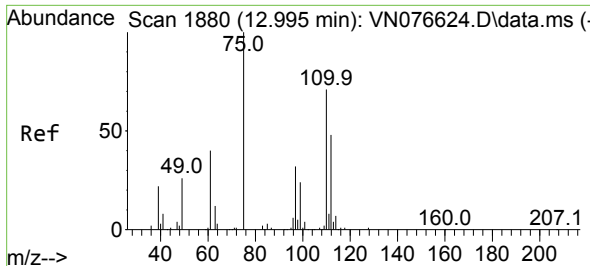
Tgt Ion:106 Resp: 2749
Ion Ratio Lower Upper
106 100
91 240.2 105.8 317.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

Tgt Ion:152 Resp: 185898
Ion Ratio Lower Upper
152 100
115 61.5 29.3 87.9
150 158.7 0.0 349.8

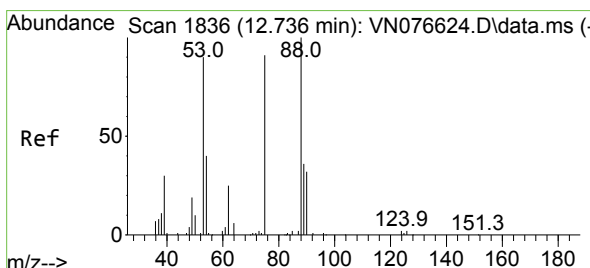
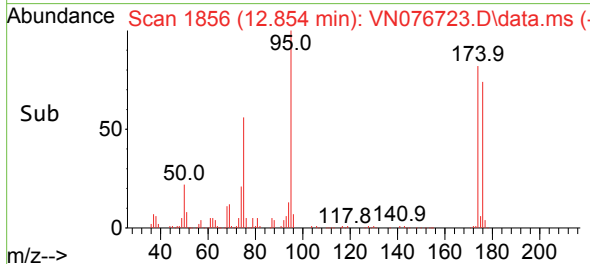
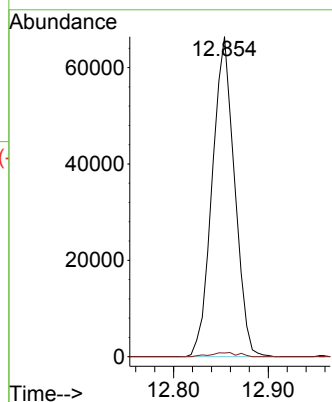
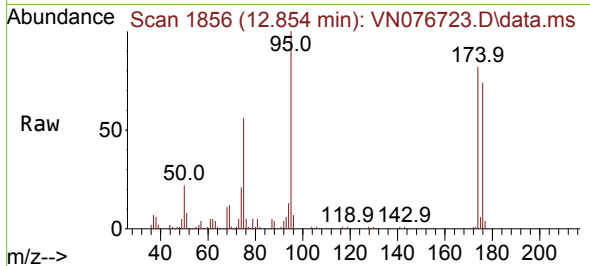




#76
1,2,3-Trichloropropane
Concen: 29.043 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 109155
Ion Ratio Lower Upper
75 100
77 1.6 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.591 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076723.D
Acq: 16 Feb 2023 19:52

Tgt Ion: 75 Resp: 109155
Ion Ratio Lower Upper
75 100
53 0.1 92.1 138.1#
89 0.2 37.5 56.3#

