

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076724.D
 Acq On : 16 Feb 2023 20:16
 Operator : JC\MD
 Sample : 01549-03
 Misc : 1.11g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:19:23 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)

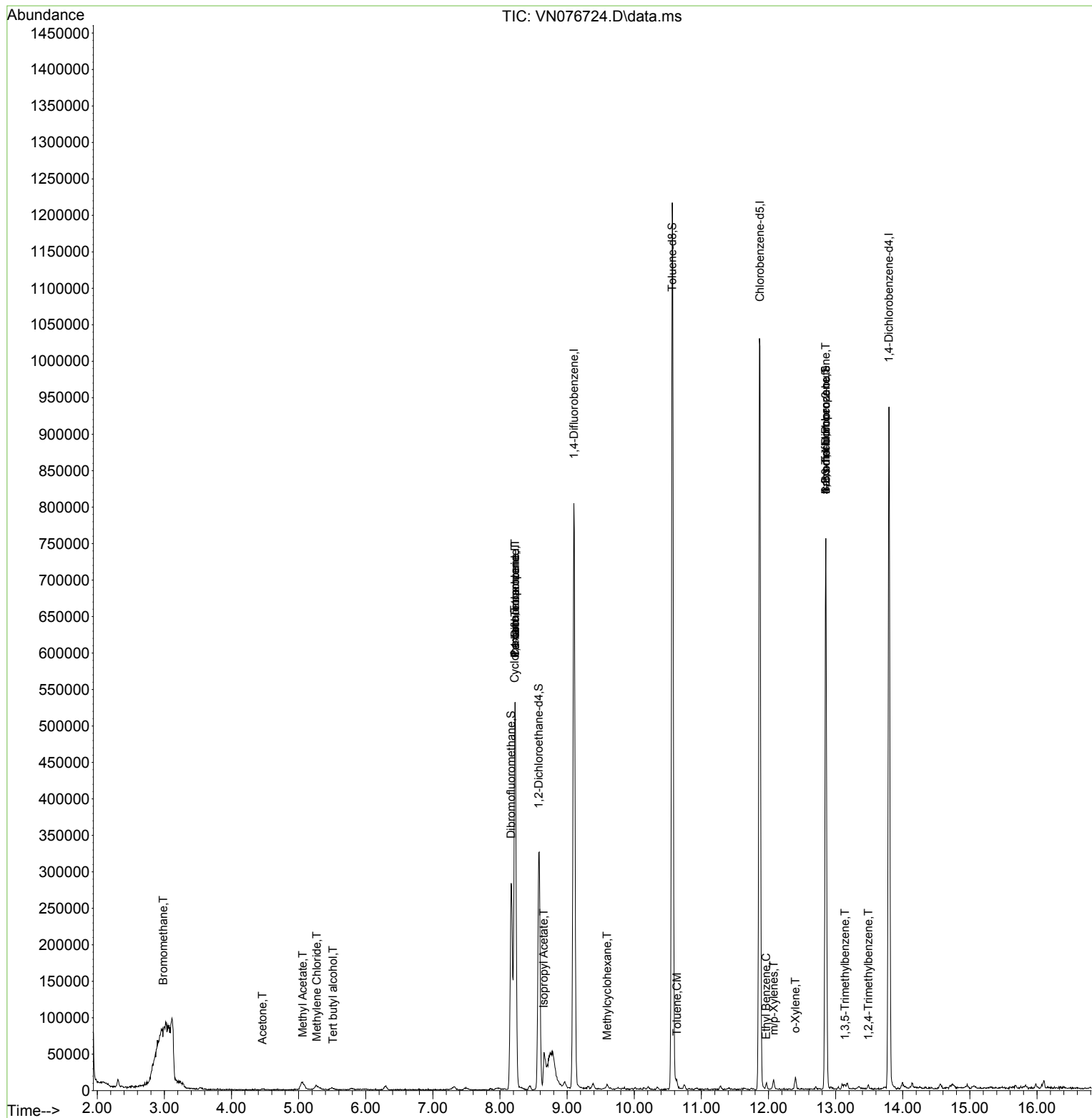
Internal Standards						
1) Pentafluorobenzene	8.225	168	375531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	682417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	599847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	233621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	259878	50.116	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.240%		
35) Dibromofluoromethane	8.166	113	199876	44.725	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 89.440%		
50) Toluene-d8	10.566	98	812778	48.699	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 97.400%		
62) 4-Bromofluorobenzene	12.854	95	245080	44.337	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 88.680%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.984	94	824	0.266	ug/l #	27
11) Tert butyl alcohol	5.513	59	1403	2.050	ug/l #	71
16) Acetone	4.460	43	1817	0.784	ug/l #	64
18) Methyl Acetate	5.060	43	29878	3.952	ug/l #	73
20) Methylene Chloride	5.272	84	2004	0.413	ug/l #	67
31) Cyclohexane	8.219	56	11872	1.460	ug/l #	52
36) 1,1-Dichloropropene	8.225	75	32406	5.019	ug/l #	52
38) Carbon Tetrachloride	8.225	117	39608	6.081	ug/l #	16
39) Methylcyclohexane	9.595	83	2207	0.301	ug/l #	72
43) Isopropyl Acetate	8.654	43	44965	4.067	ug/l #	58
52) Toluene	10.636	92	2907	0.243	ug/l	95
67) Ethyl Benzene	11.965	91	4825	0.223	ug/l	93
68) m/p-Xylenes	12.077	106	3284	0.393	ug/l	97
69) o-Xylene	12.401	106	4637	0.570	ug/l	79
71) Bromoform	12.854	173	3058	0.903	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	135987	28.792	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.142	105	4166	0.294	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.854	75	135987	83.857	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.489	105	3574	0.253	ug/l	91

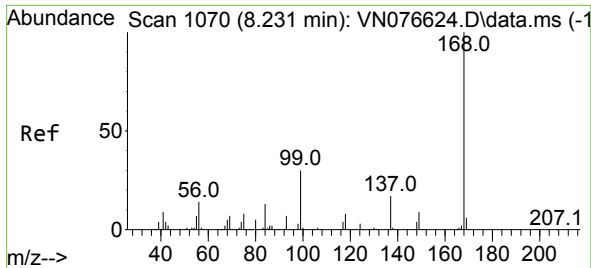
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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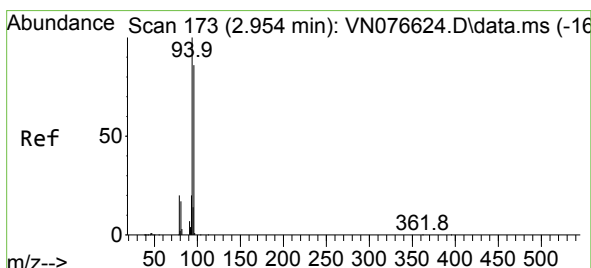
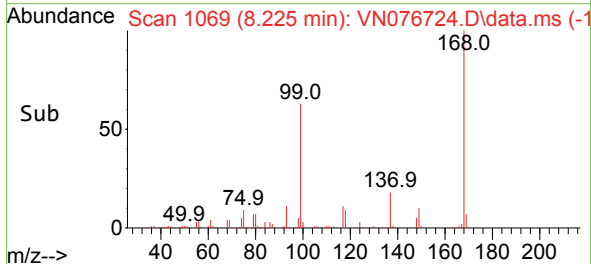
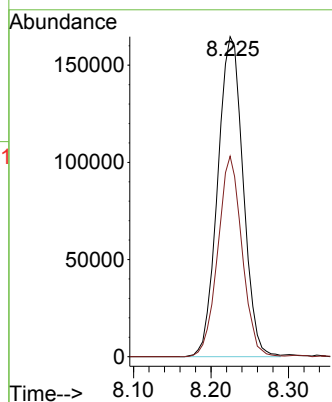
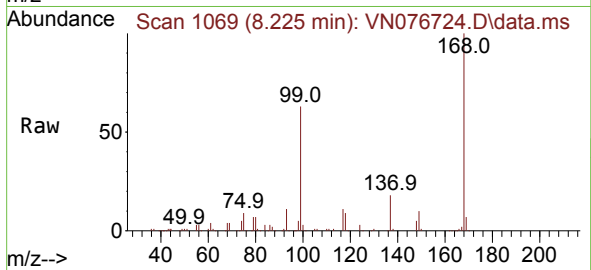




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.225 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

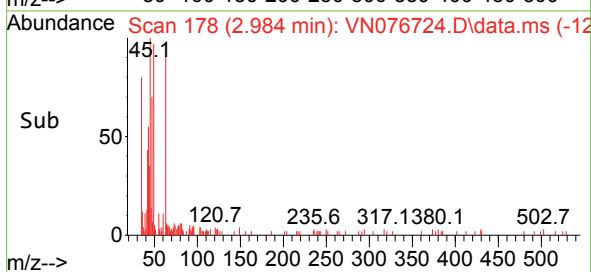
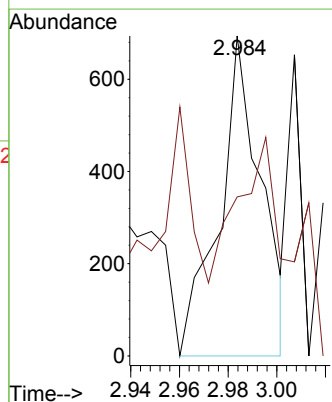
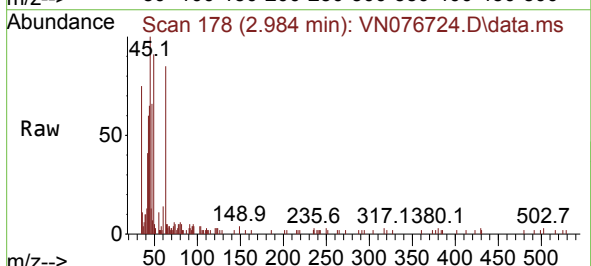
Instrument :
MSVOA_N
ClientSampleId :

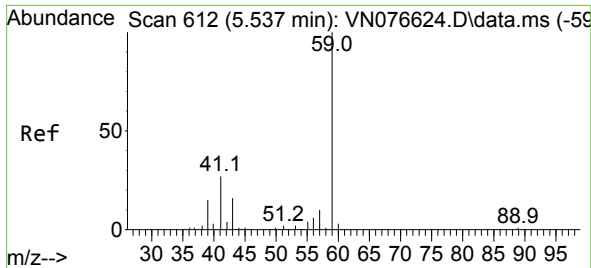
Tgt Ion:168 Resp: 375531
Ion Ratio Lower Upper
168 100
99 62.7 44.8 67.2



#5
Bromomethane
Concen: 0.266 ug/l
RT: 2.984 min Scan# 178
Delta R.T. 0.030 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

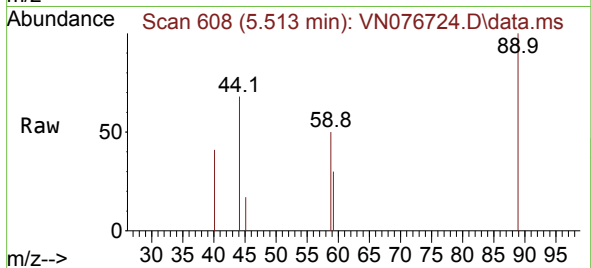
Tgt Ion: 94 Resp: 824
Ion Ratio Lower Upper
94 100
96 19.3 69.0 103.4#



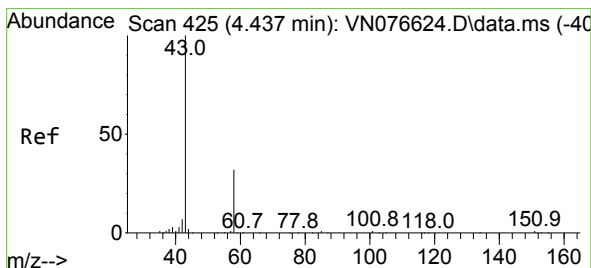
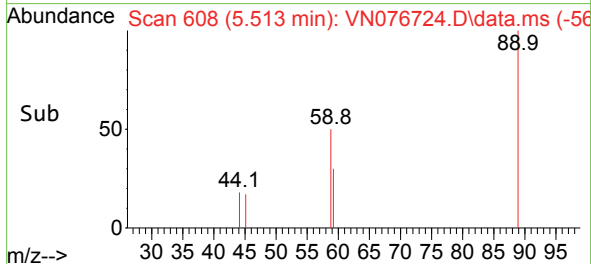
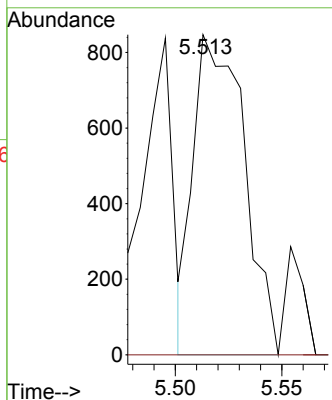


#11
Tert butyl alcohol
Concen: 2.050 ug/l
RT: 5.513 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

Instrument :
MSVOA_N
ClientSampleId :

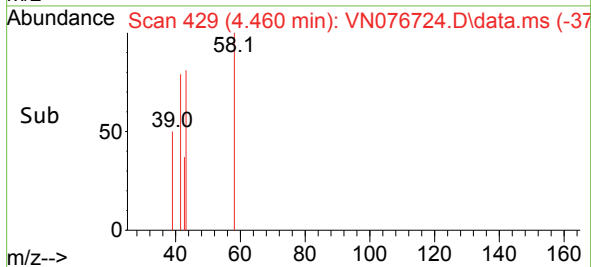
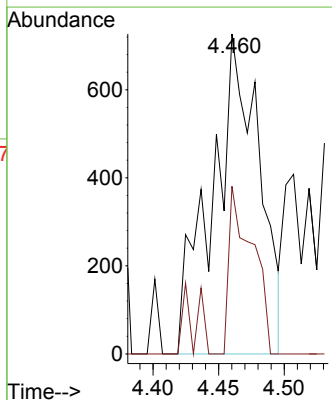
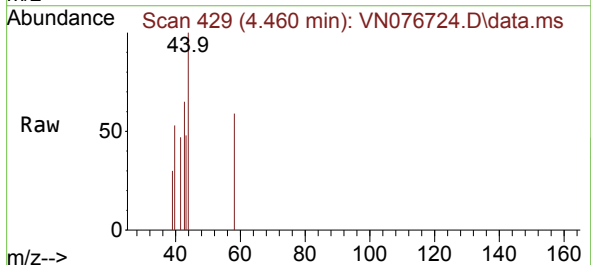


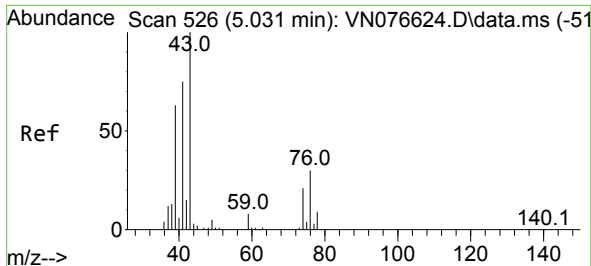
Tgt Ion: 59 Resp: 1403
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 0.784 ug/l
RT: 4.460 min Scan# 429
Delta R.T. 0.023 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
58 52.4 25.9 38.9#

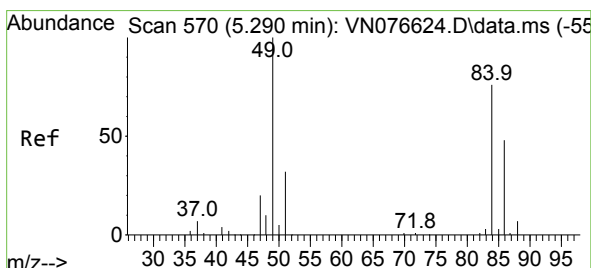
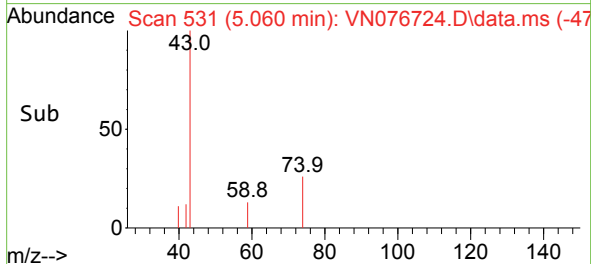
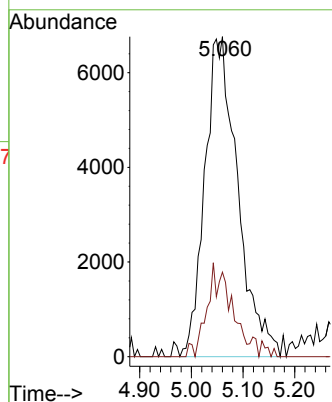
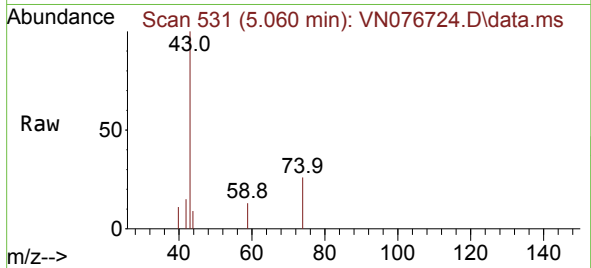




#18
Methyl Acetate
Concen: 3.952 ug/l
RT: 5.060 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

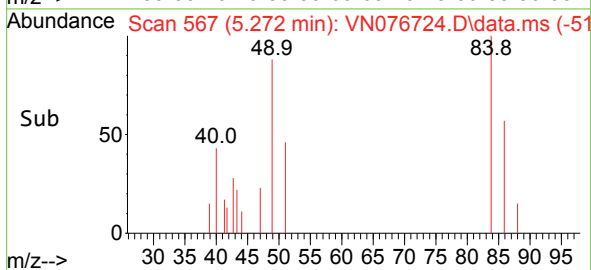
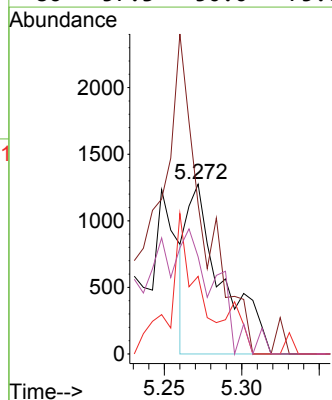
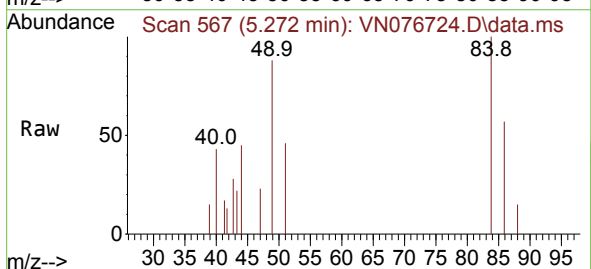
Instrument :
MSVOA_N
ClientSampleId :

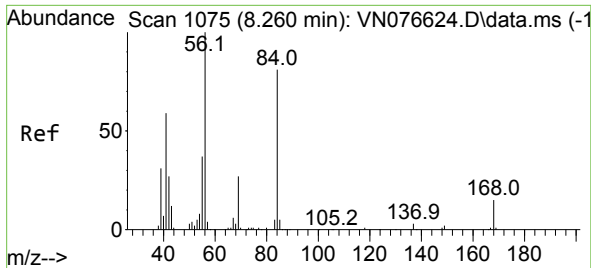
Tgt Ion: 43 Resp: 29878
Ion Ratio Lower Upper
43 100
74 9.2 17.7 26.5#



#20
Methylene Chloride
Concen: 0.413 ug/l
RT: 5.272 min Scan# 567
Delta R.T. -0.018 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

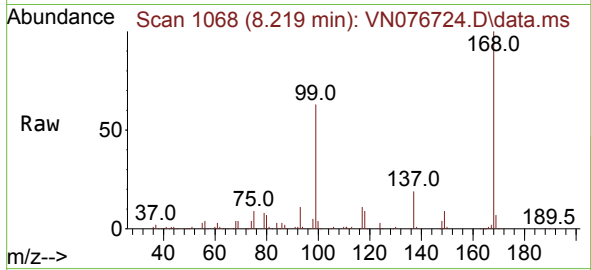
Tgt Ion: 84 Resp: 2004
Ion Ratio Lower Upper
84 100
49 66.8 104.9 157.3#
51 45.7 33.8 50.8
86 57.3 50.0 75.0



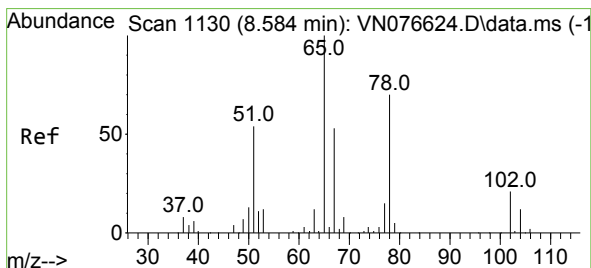
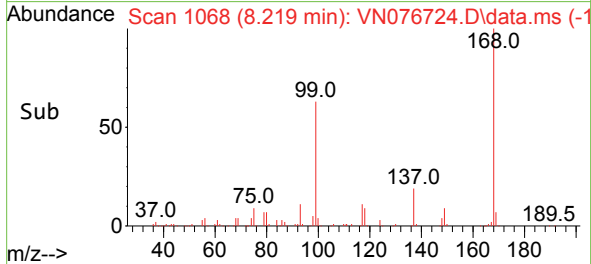
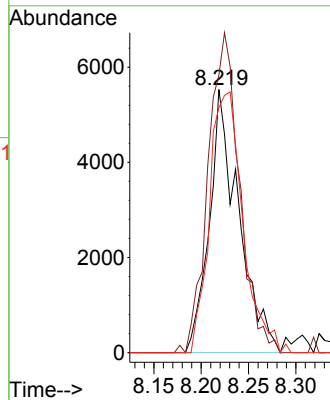


#31
Cyclohexane
Concen: 1.460 ug/l
RT: 8.219 min Scan# 1107
Delta R.T. -0.041 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

Instrument :
MSVOA_N
ClientSampleId :

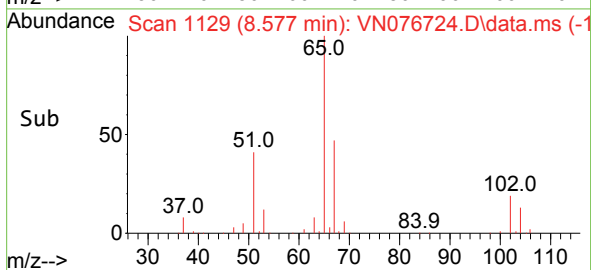
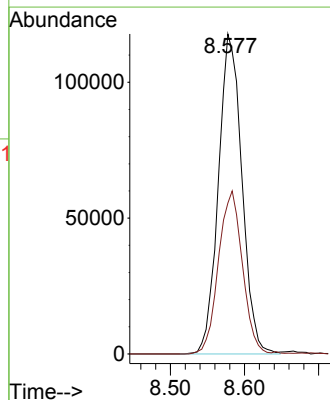
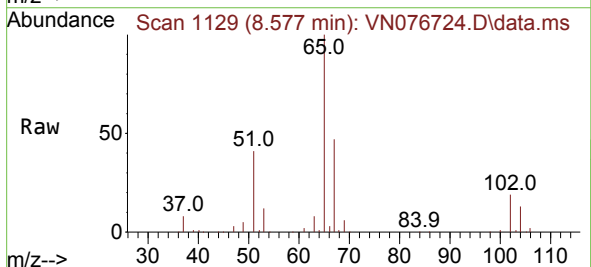


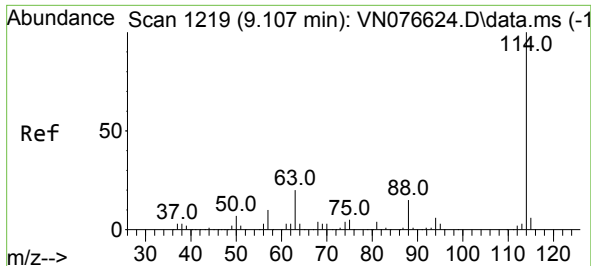
Tgt Ion: 56 Resp: 11872
Ion Ratio Lower Upper
56 100
69 105.5 21.6 32.4#
84 93.1 65.1 97.7



#33
1,2-Dichloroethane-d4
Concen: 50.116 ug/l
RT: 8.577 min Scan# 1129
Delta R.T. -0.007 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

Tgt Ion: 65 Resp: 259878
Ion Ratio Lower Upper
65 100
67 51.8 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: VN076724.D

Acq: 16 Feb 2023 20:16

Instrument :

MSVOA_N

ClientSampleId :

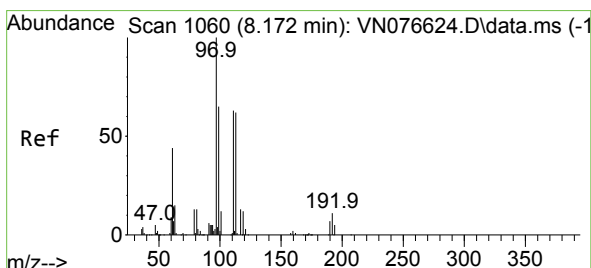
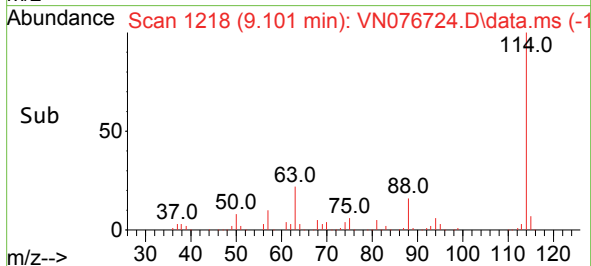
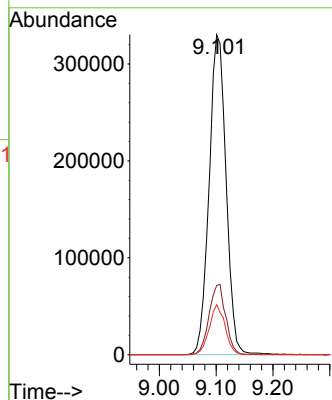
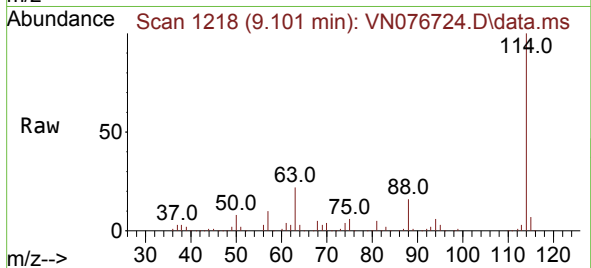
Tgt Ion:114 Resp: 682417

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 15.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 44.725 ug/l

RT: 8.166 min Scan# 1059

Delta R.T. -0.006 min

Lab File: VN076724.D

Acq: 16 Feb 2023 20:16

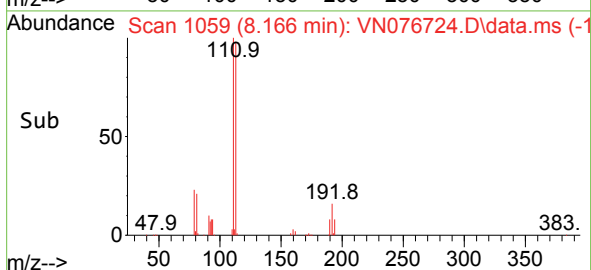
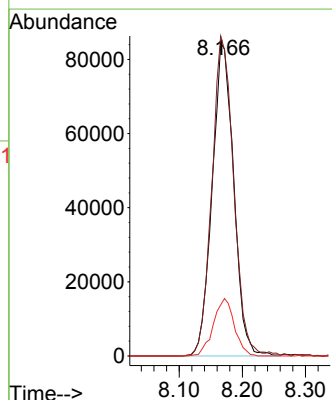
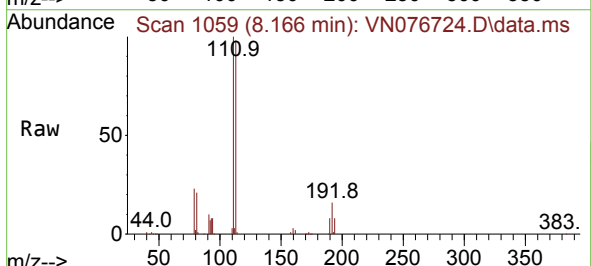
Tgt Ion:113 Resp: 199876

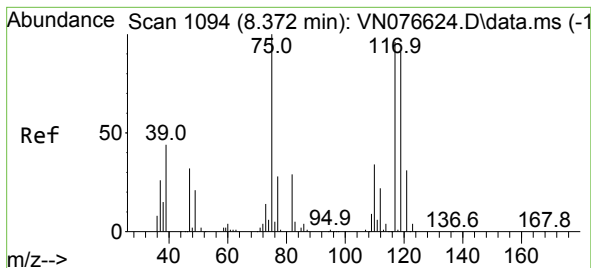
Ion Ratio Lower Upper

113 100

111 102.9 83.1 124.7

192 17.9 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.147 min

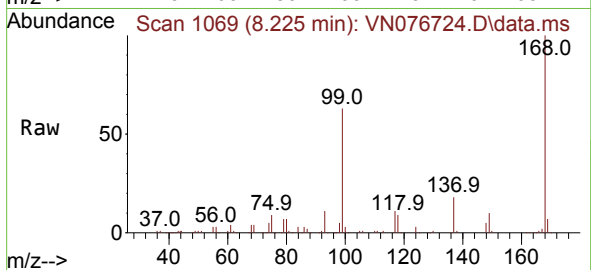
Lab File: VN076724.D

Acq: 16 Feb 2023 20:16

Instrument :

MSVOA_N

ClientSampleId :



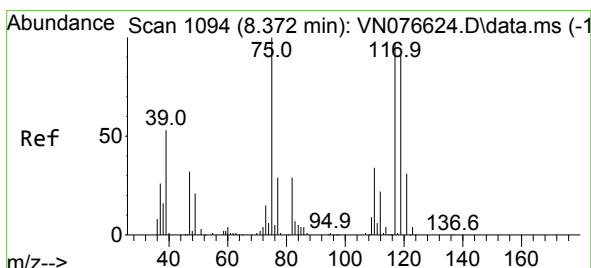
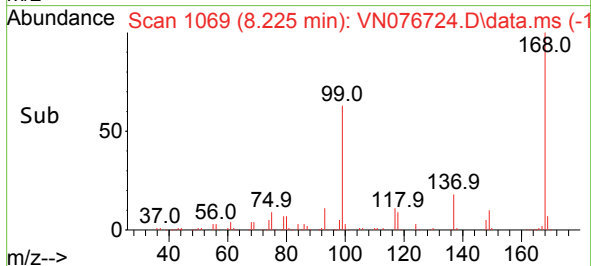
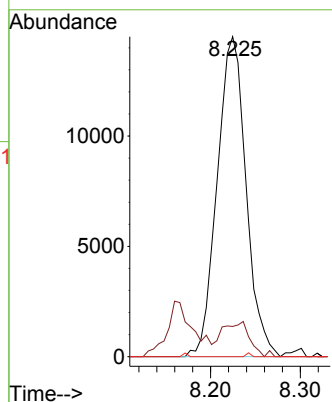
Tgt Ion: 75 Resp: 32406

Ion Ratio Lower Upper

75 100

110 10.7 17.5 52.5#

77 0.2 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.081 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.147 min

Lab File: VN076724.D

Acq: 16 Feb 2023 20:16

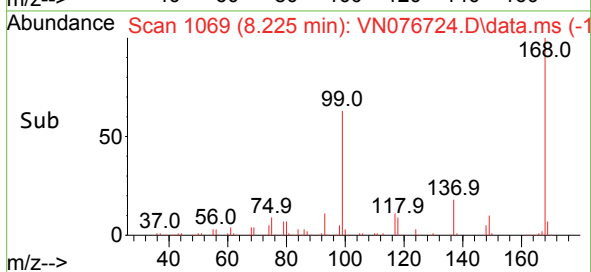
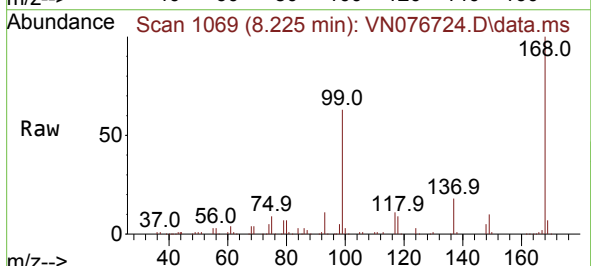
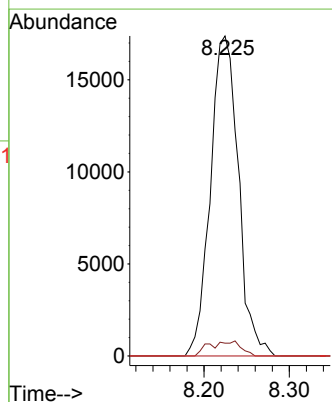
Tgt Ion: 117 Resp: 39608

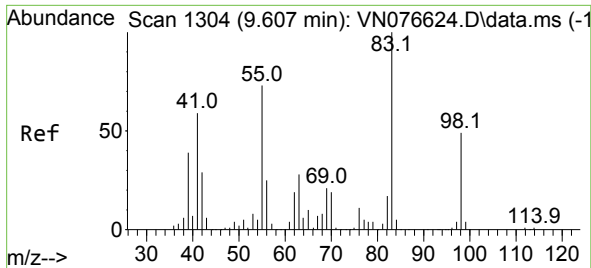
Ion Ratio Lower Upper

117 100

119 4.0 75.4 113.0#

121 0.0 26.0 39.0#

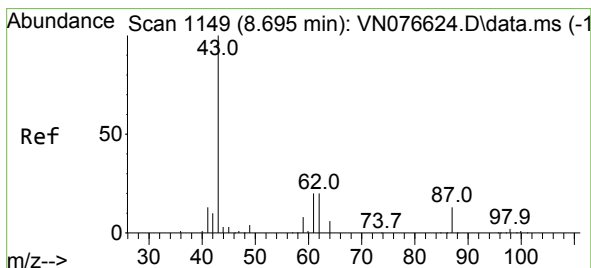
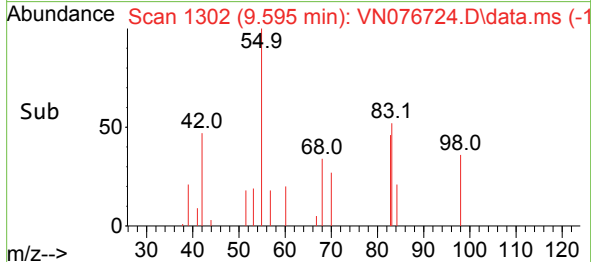
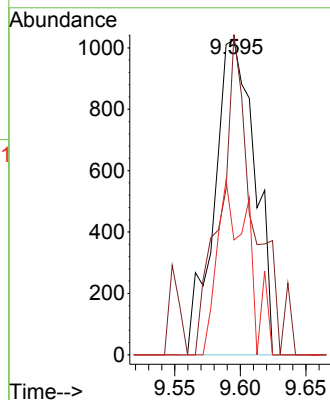
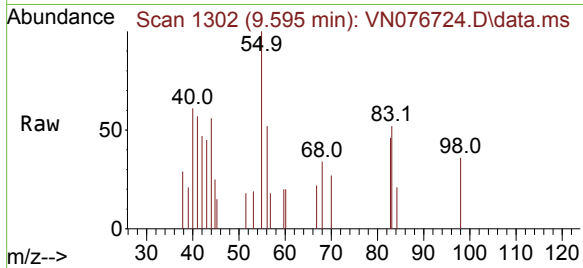




#39
Methylcyclohexane
Concen: 0.301 ug/l
RT: 9.595 min Scan# 1142
Delta R.T. -0.012 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

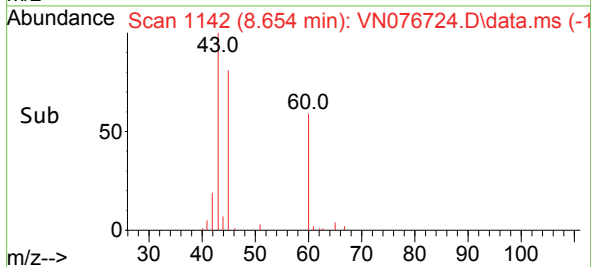
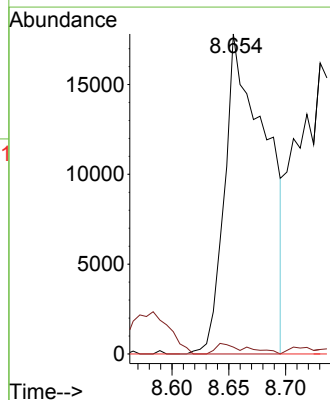
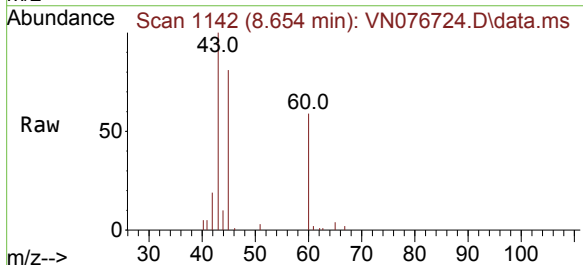
Instrument :
MSVOA_N
ClientSampleId :

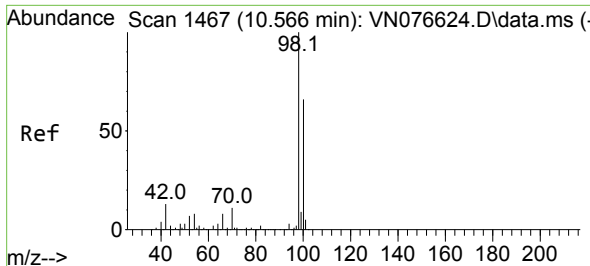
Tgt Ion: 83 Resp: 2207
Ion Ratio Lower Upper
83 100
55 101.7 58.6 88.0#
98 36.5 39.4 59.2#



#43
Isopropyl Acetate
Concen: 4.067 ug/l
RT: 8.654 min Scan# 1142
Delta R.T. -0.041 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

Tgt Ion: 43 Resp: 44965
Ion Ratio Lower Upper
43 100
61 1.5 20.0 30.0#
87 0.0 9.9 14.9#

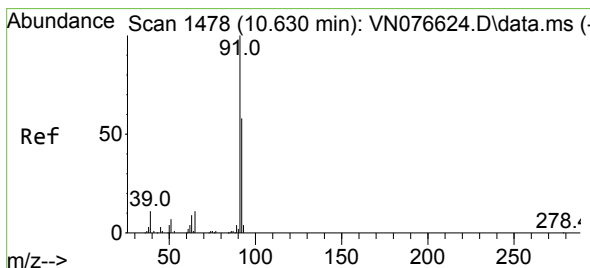
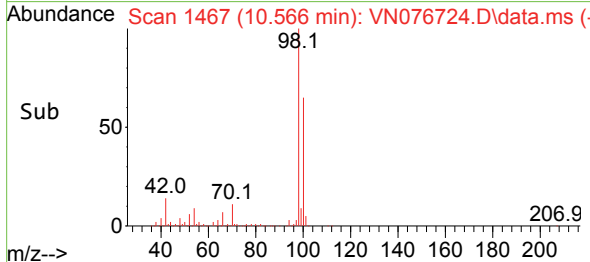
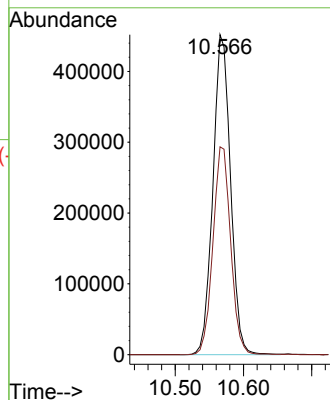
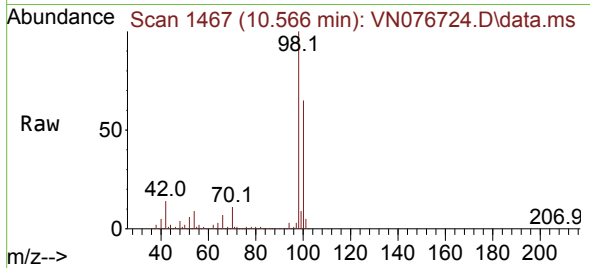




#50
Toluene-d8
Concen: 48.699 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

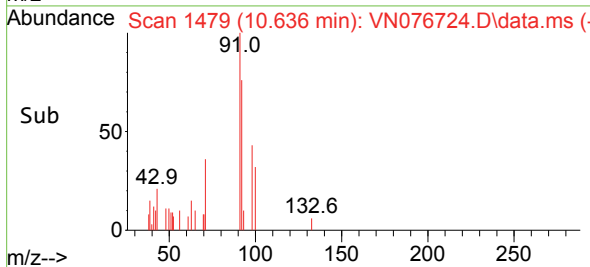
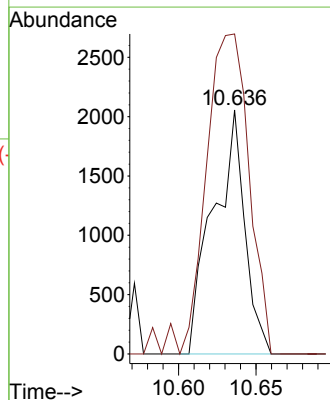
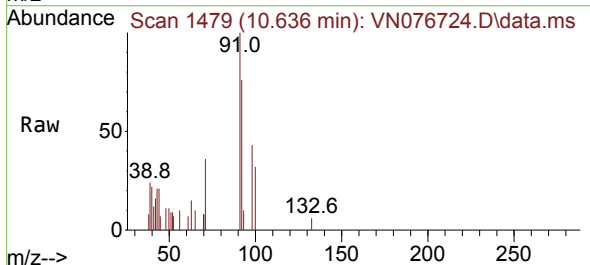
Instrument :
MSVOA_N
ClientSampleId :

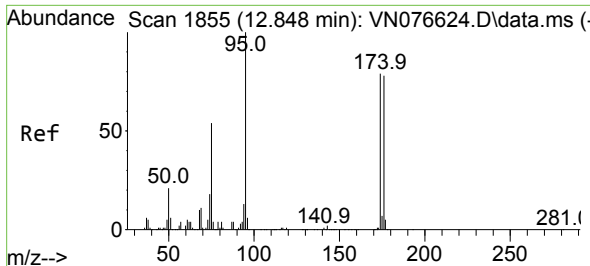
Tgt Ion: 98 Resp: 812778
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#52
Toluene
Concen: 0.243 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

Tgt Ion: 92 Resp: 2907
Ion Ratio Lower Upper
92 100
91 179.3 138.0 207.0

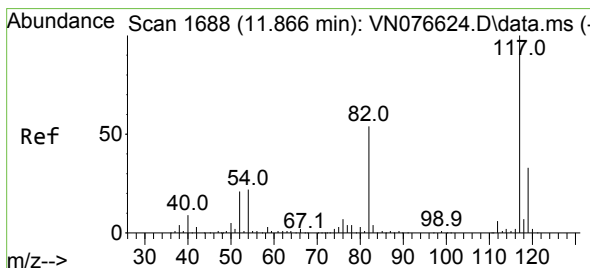
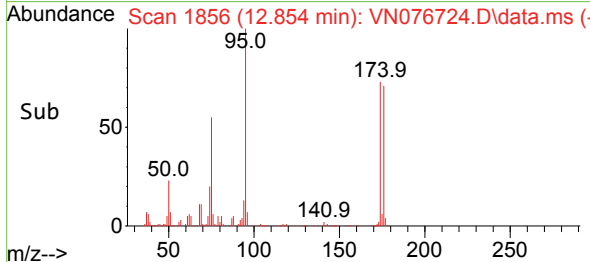
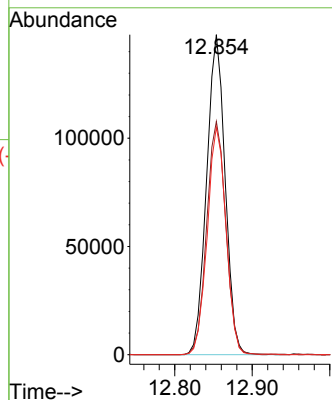
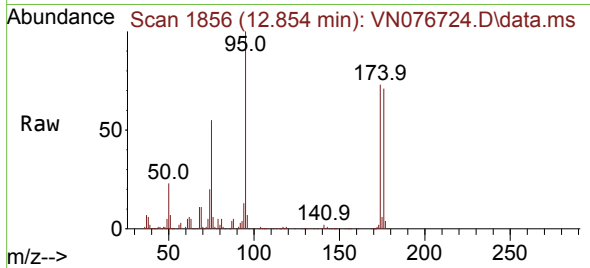




#62
4-Bromofluorobenzene
Concen: 44.337 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

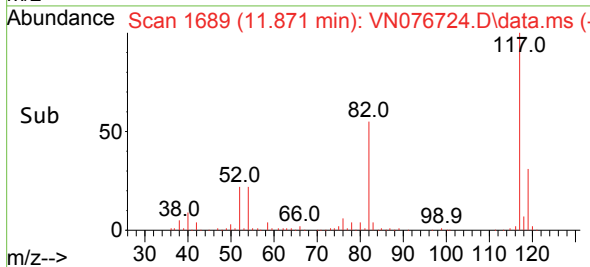
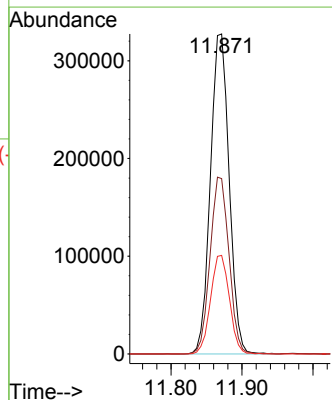
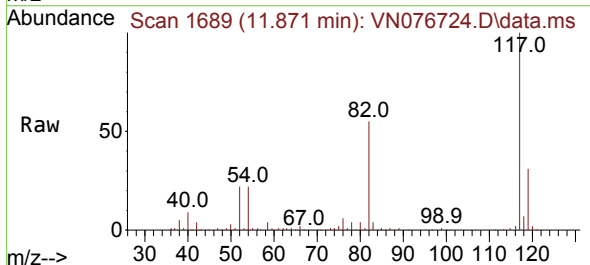
Instrument :
MSVOA_N
ClientSampleId :

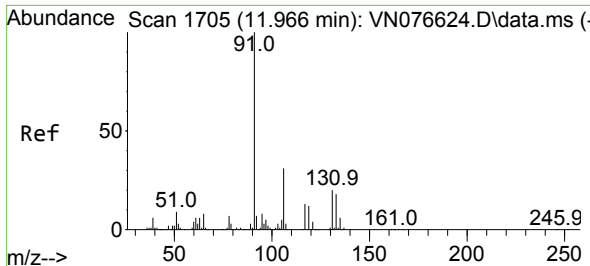
Tgt Ion: 95 Resp: 245080
Ion Ratio Lower Upper
95 100
174 75.3 0.0 169.2
176 72.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

Tgt Ion: 117 Resp: 599847
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.2
119 30.8 26.1 39.1

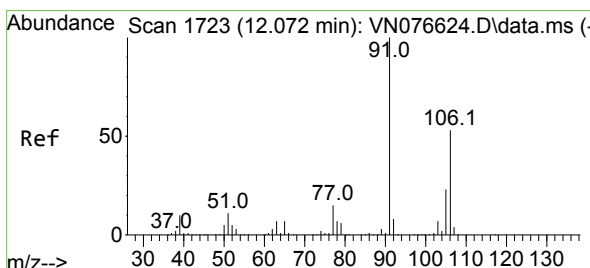
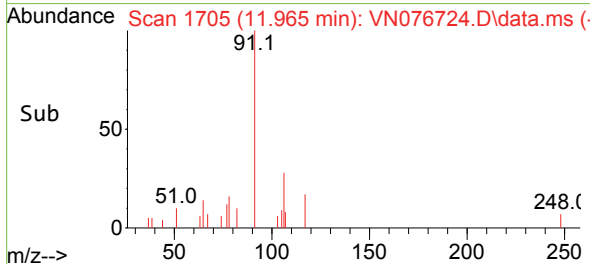
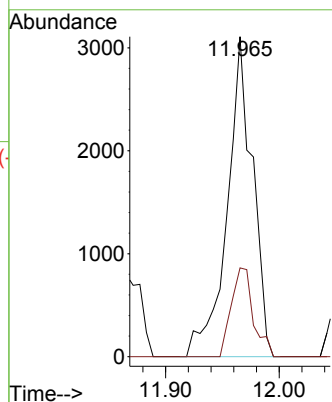
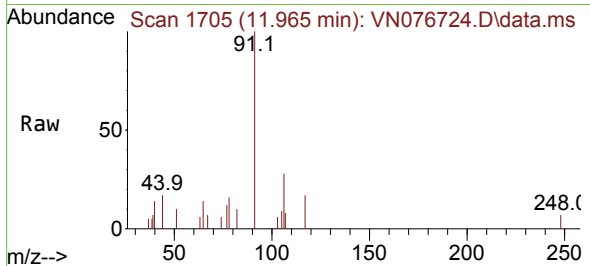




#67
Ethyl Benzene
Concen: 0.223 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. -0.001 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

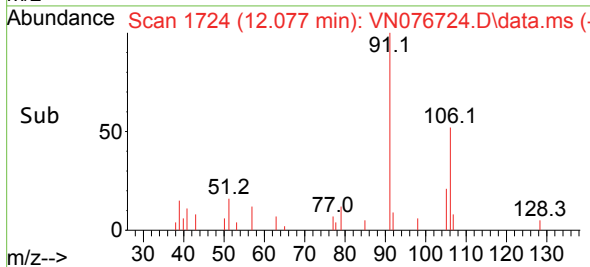
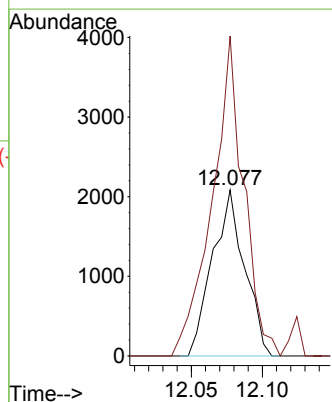
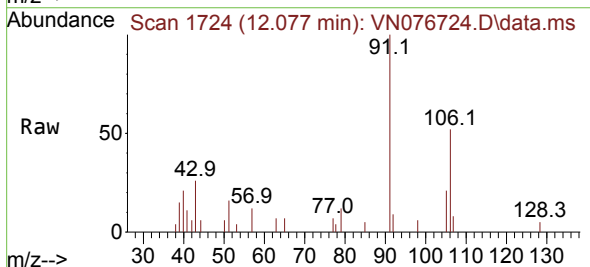
Instrument :
MSVOA_N
ClientSampleId :

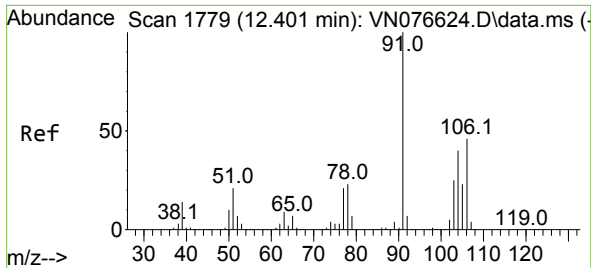
Tgt Ion: 91 Resp: 4825
Ion Ratio Lower Upper
91 100
106 27.7 25.1 37.7



#68
m/p-Xylenes
Concen: 0.393 ug/l
RT: 12.077 min Scan# 1724
Delta R.T. 0.005 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

Tgt Ion: 106 Resp: 3284
Ion Ratio Lower Upper
106 100
91 188.3 154.7 232.1

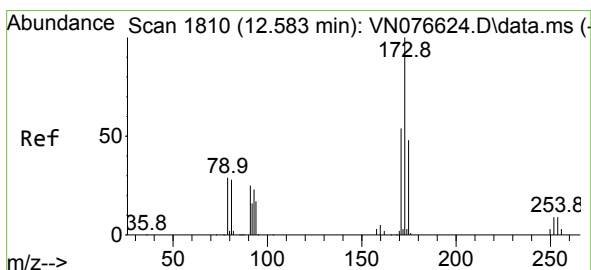
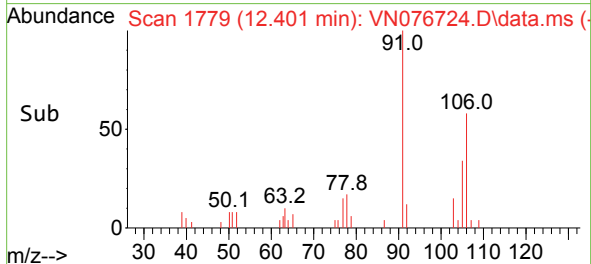
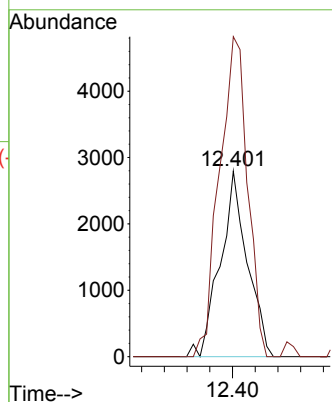
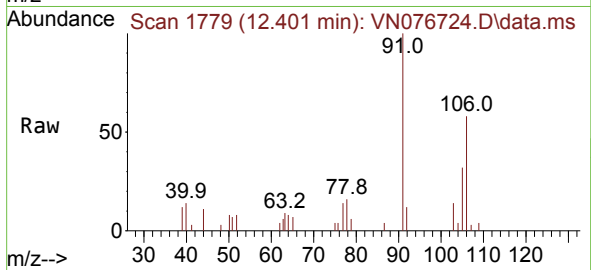




#69
o-Xylene
Concen: 0.570 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

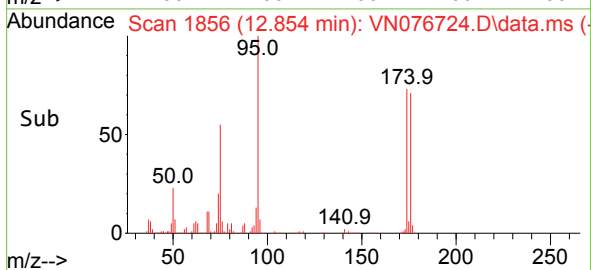
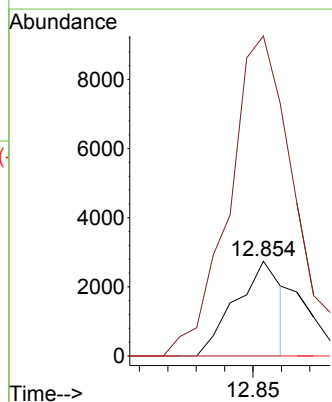
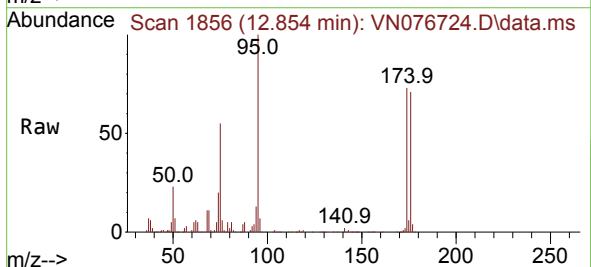
Instrument :
MSVOA_N
ClientSampleId :

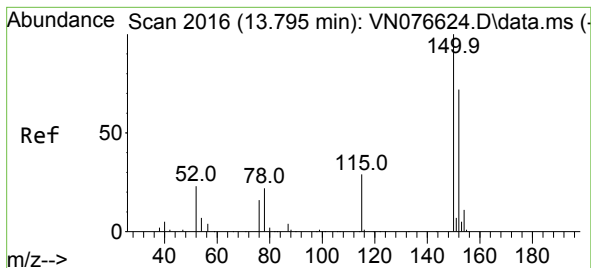
Tgt Ion:106 Resp: 4637
Ion Ratio Lower Upper
106 100
91 178.8 105.8 317.4



#71
Bromoform
Concen: 0.903 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

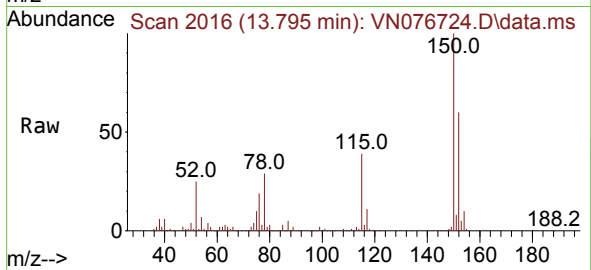
Tgt Ion:173 Resp: 3058
Ion Ratio Lower Upper
173 100
175 387.5 24.9 74.7#
254 0.0 0.1 0.1#



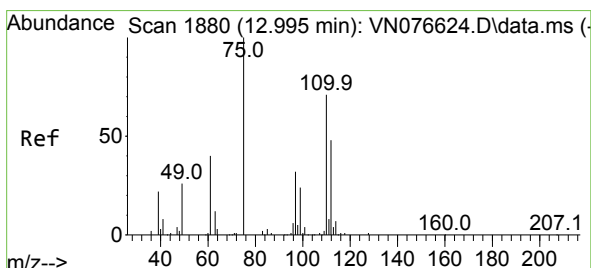
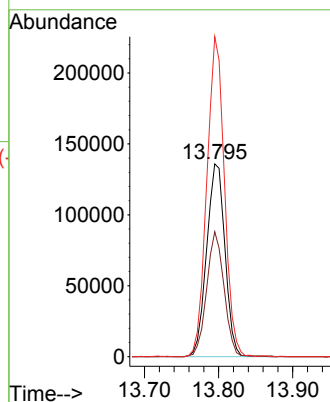
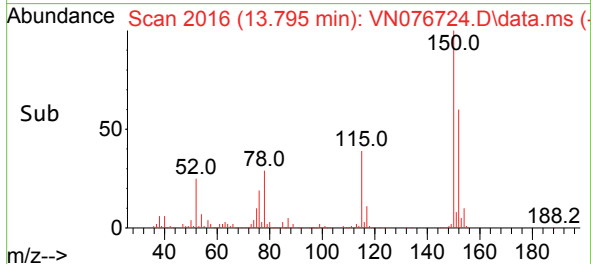


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

Instrument :
MSVOA_N
ClientSampleId :

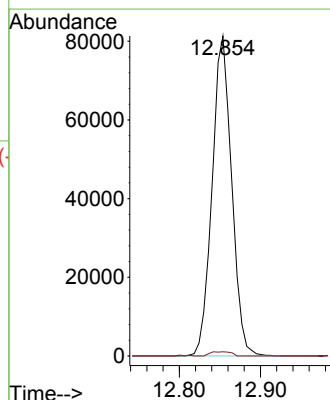
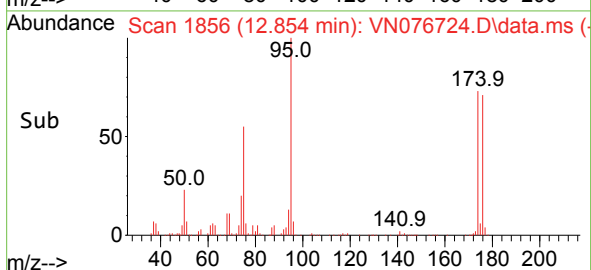
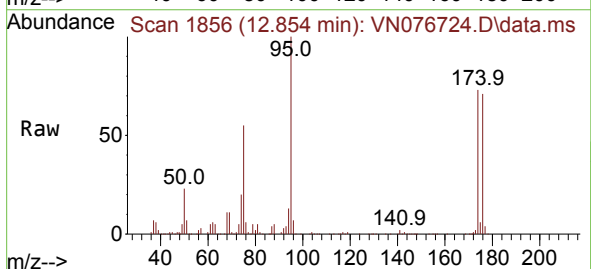


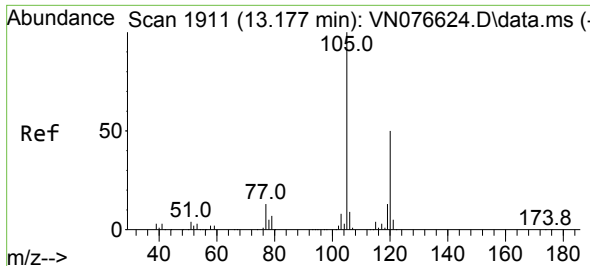
Tgt Ion:152 Resp: 233621
Ion Ratio Lower Upper
152 100
115 61.5 29.3 87.9
150 158.8 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 28.792 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076724.D
Acq: 16 Feb 2023 20:16

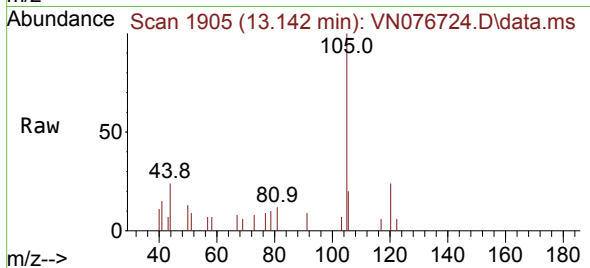
Tgt Ion: 75 Resp: 135987
Ion Ratio Lower Upper
75 100
77 1.4 93.1 279.3#



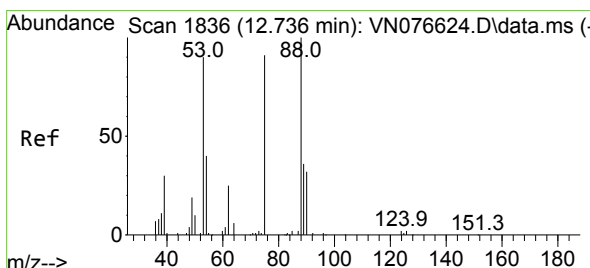
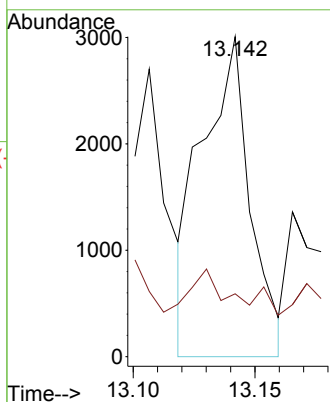
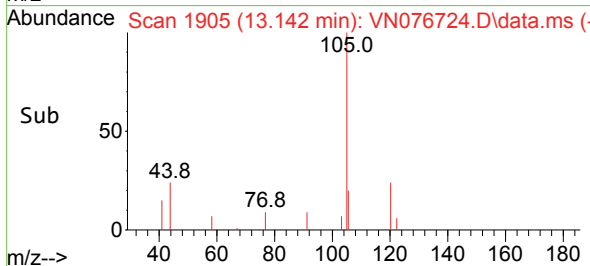


#80
 1,3,5-Trimethylbenzene
 Concen: 0.294 ug/l
 RT: 13.142 min Scan# 1911
 Delta R.T. -0.035 min
 Lab File: VN076724.D
 Acq: 16 Feb 2023 20:16

Instrument :
 MSVOA_N
 ClientSampleId :

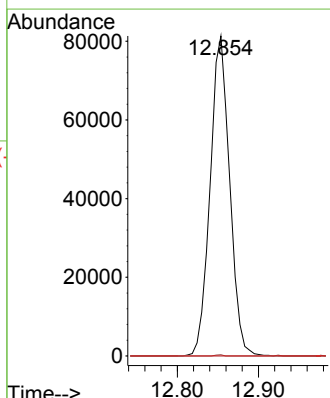
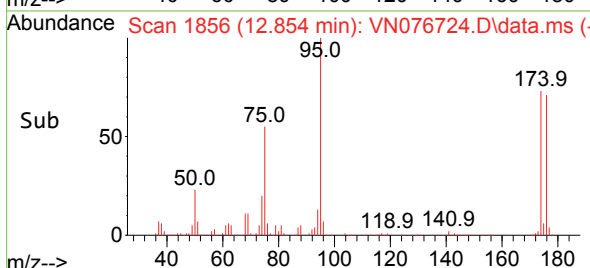
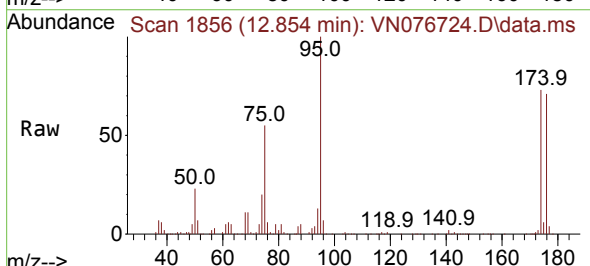


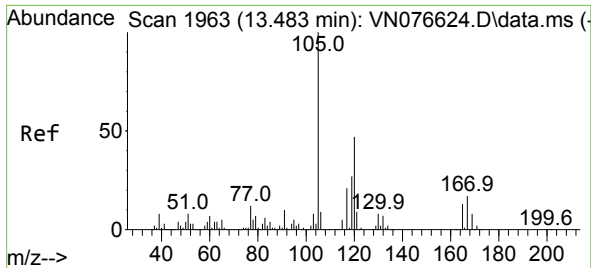
Tgt Ion:105 Resp: 4166
 Ion Ratio Lower Upper
 105 100
 120 39.2 25.1 75.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.857 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. 0.118 min
 Lab File: VN076724.D
 Acq: 16 Feb 2023 20:16

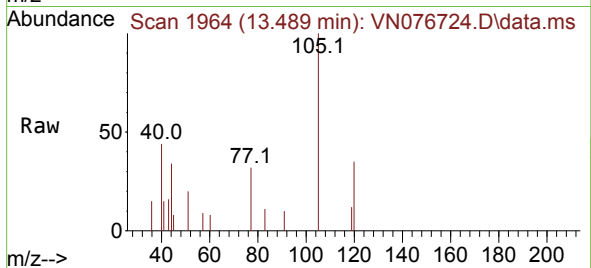
Tgt Ion: 75 Resp: 135987
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.1 138.1#
 89 0.0 37.5 56.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.253 ug/l
 RT: 13.489 min Scan# 1964
 Delta R.T. 0.006 min
 Lab File: VN076724.D
 Acq: 16 Feb 2023 20:16

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:105 Resp: 3574
 Ion Ratio Lower Upper
 105 100
 120 40.1 23.0 69.0

