

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076726.D
 Acq On : 16 Feb 2023 21:05
 Operator : JC\MD
 Sample : 01549-01
 Misc : 1.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:20:27 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)

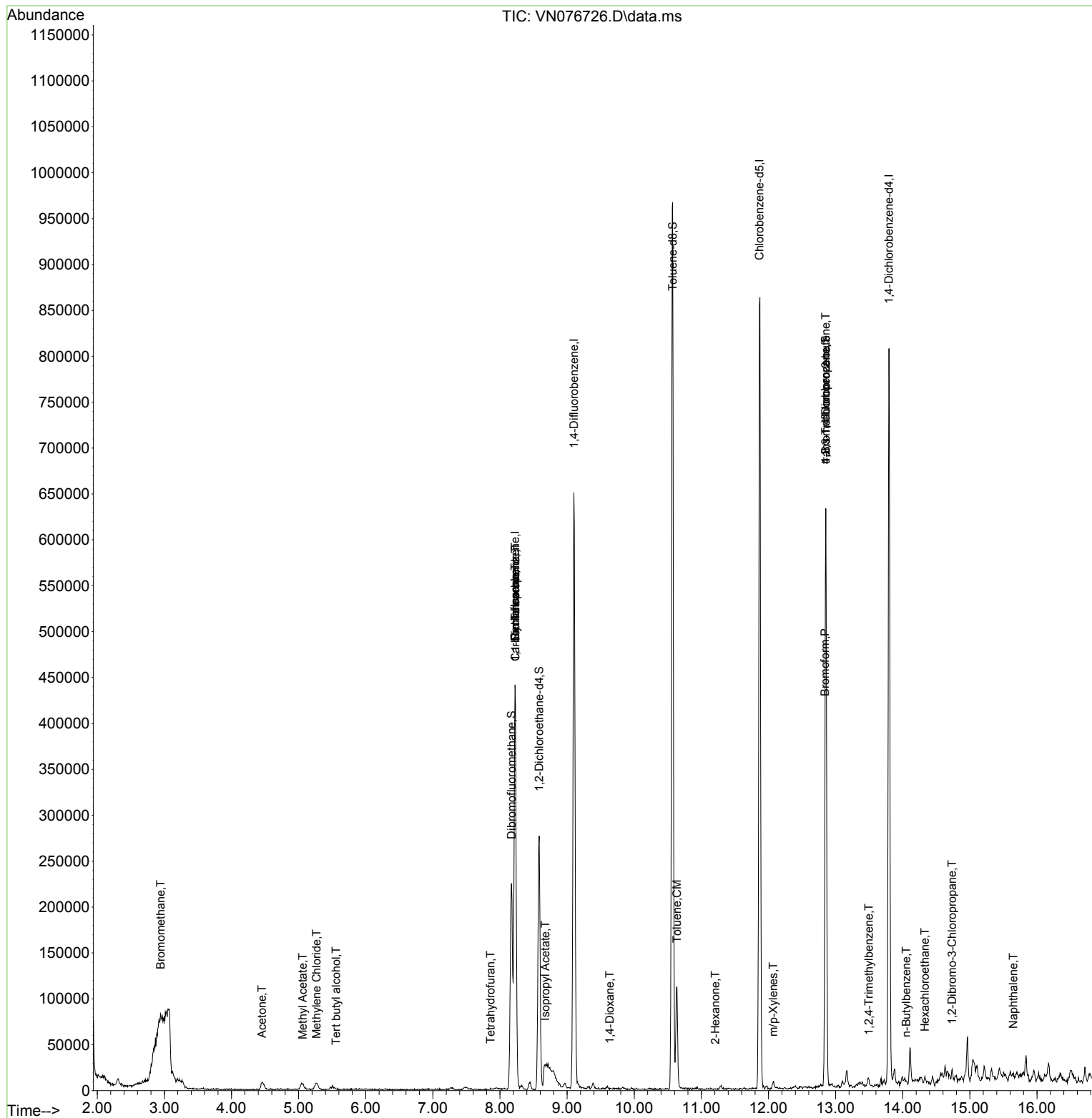
Internal Standards						
1) Pentafluorobenzene	8.225	168	304682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	543141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	485374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	197890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	214477	50.978	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.960%	
35) Dibromofluoromethane	8.172	113	161967	45.536	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.080%	
50) Toluene-d8	10.571	98	666989	50.212	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.420%	
62) 4-Bromofluorobenzene	12.854	95	202969	46.134	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.943	94	836	0.332	ug/l #	6
11) Tert butyl alcohol	5.560	59	145	0.261	ug/l #	71
16) Acetone	4.454	43	16830	8.955	ug/l	90
18) Methyl Acetate	5.060	43	16562	2.700	ug/l #	71
20) Methylene Chloride	5.266	84	5139	1.305	ug/l #	83
29) Tetrahydrofuran	7.860	42	1223	0.675	ug/l #	53
31) Cyclohexane	8.225	56	9387	1.422	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	28217	5.491	ug/l #	50
38) Carbon Tetrachloride	8.230	117	32542	6.277	ug/l #	20
43) Isopropyl Acetate	8.677	43	18379	2.089	ug/l #	58
49) 1,4-Dioxane	9.636	88	76	1.052	ug/l #	1
52) Toluene	10.636	92	48104	5.049	ug/l	97
59) 2-Hexanone	11.207	43	888	0.220	ug/l #	27
68) m/p-Xylenes	12.071	106	1678	0.248	ug/l	96
71) Bromoform	12.842	173	978	0.357	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	113253	28.308	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	113253	82.448	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.495	105	6607	0.553	ug/l	97
89) n-Butylbenzene	14.054	91	2202	0.209	ug/l #	67
90) Hexachloroethane	14.330	117	780	0.308	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.736	75	241	0.237	ug/l #	1
95) Naphthalene	15.648	128	6893	0.649	ug/l #	94

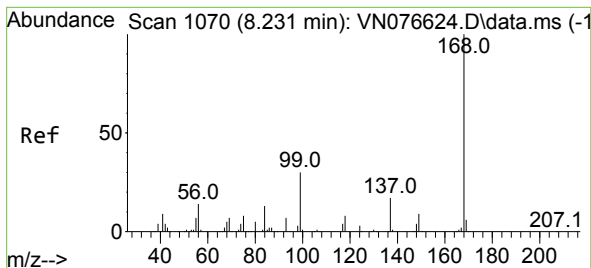
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.225 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076726.D

Acq: 16 Feb 2023 21:05

Instrument :

MSVOA_N

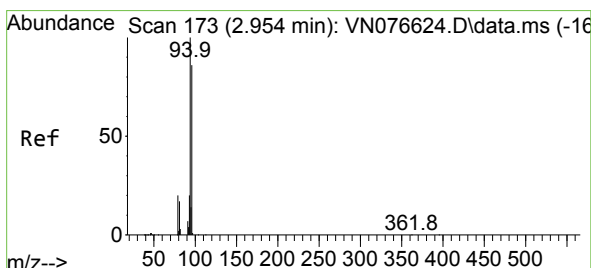
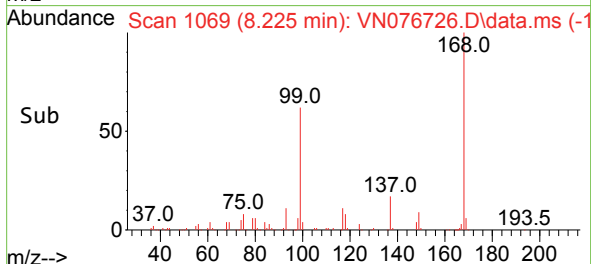
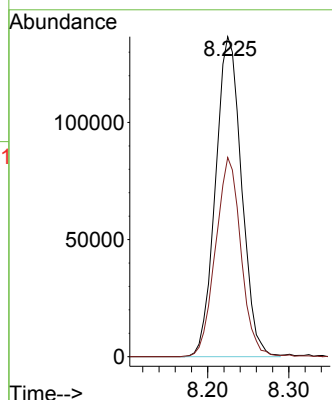
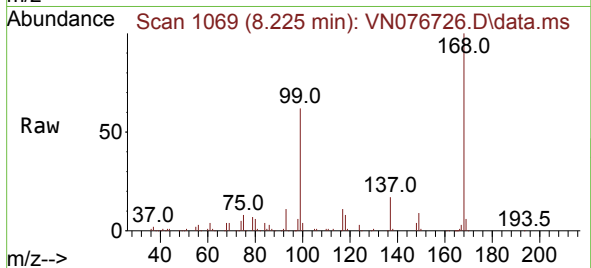
ClientSampleId :

Tgt Ion:168 Resp: 304682

Ion Ratio Lower Upper

168 100

99 62.2 44.8 67.2



#5

Bromomethane

Concen: 0.332 ug/l

RT: 2.943 min Scan# 171

Delta R.T. -0.011 min

Lab File: VN076726.D

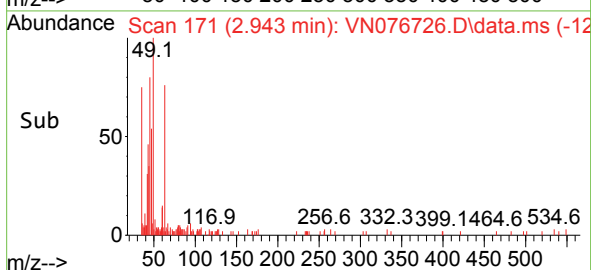
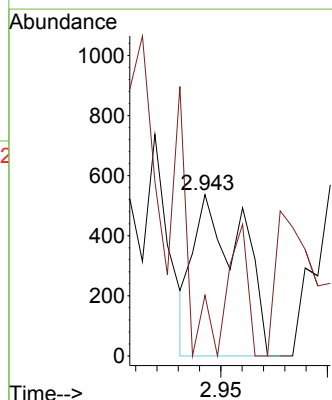
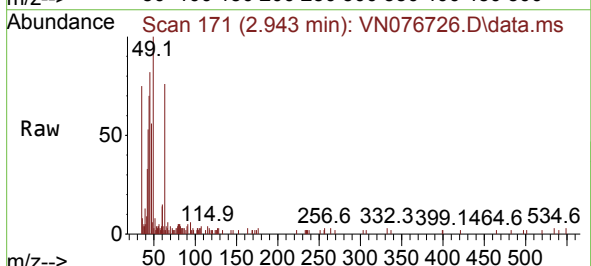
Acq: 16 Feb 2023 21:05

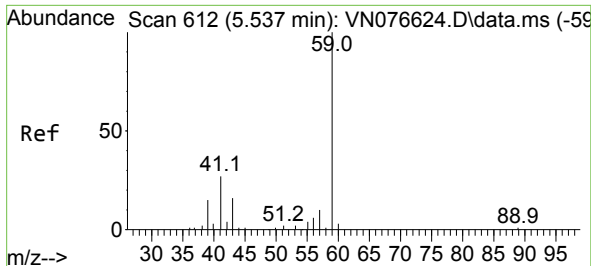
Tgt Ion: 94 Resp: 836

Ion Ratio Lower Upper

94 100

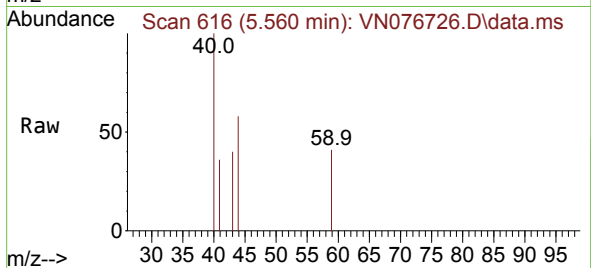
96 0.0 69.0 103.4#



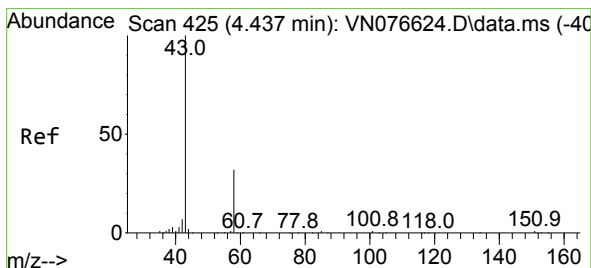
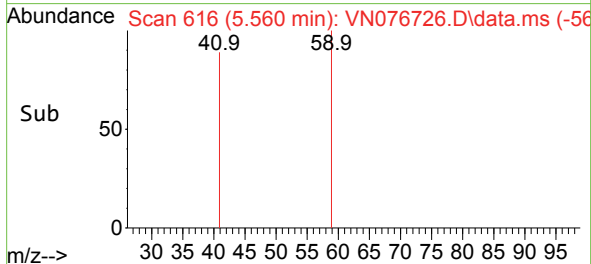
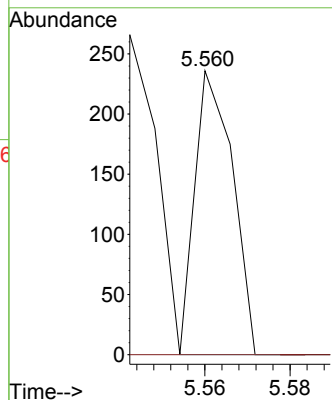


#11
Tert butyl alcohol
Concen: 0.261 ug/l
RT: 5.560 min Scan# 612
Delta R.T. 0.023 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Instrument :
MSVOA_N
ClientSampleId :

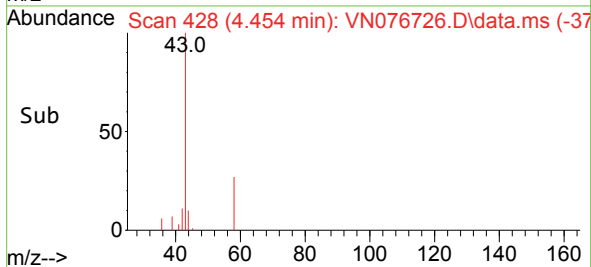
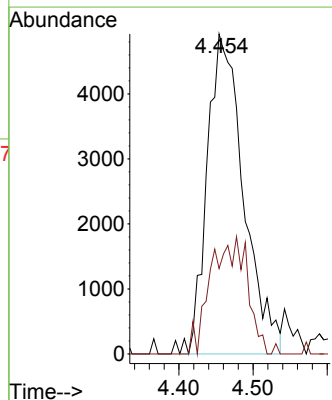
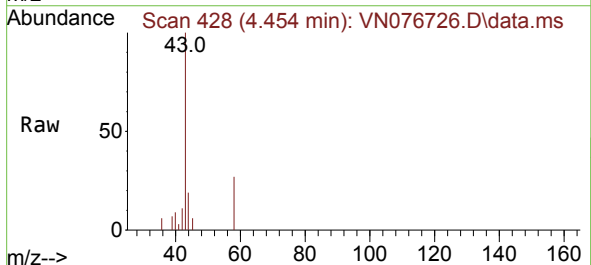


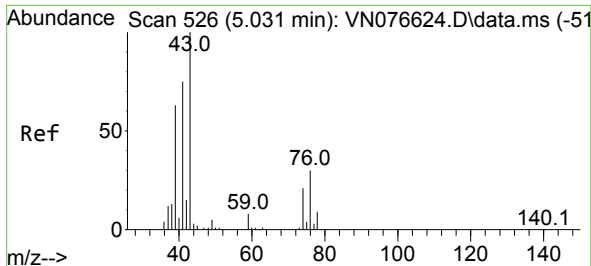
Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 8.955 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Tgt Ion: 43 Resp: 16830
Ion Ratio Lower Upper
43 100
58 26.7 25.9 38.9

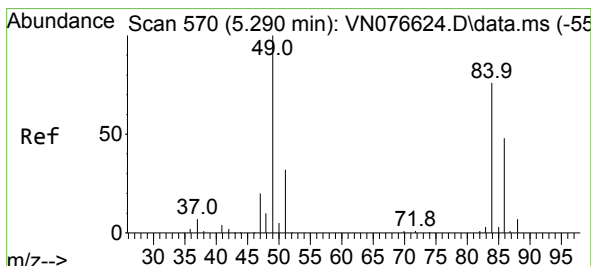
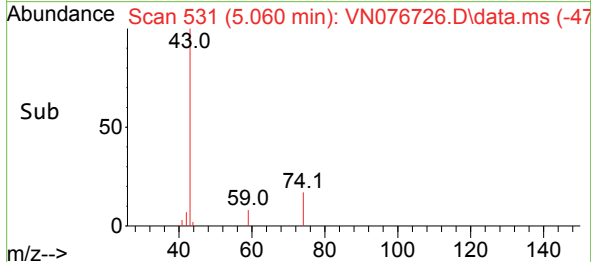
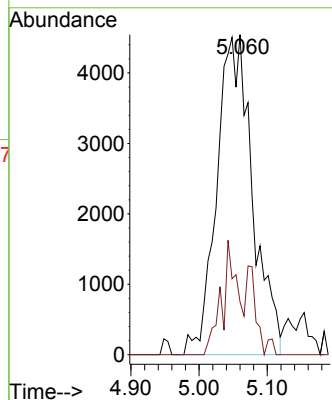
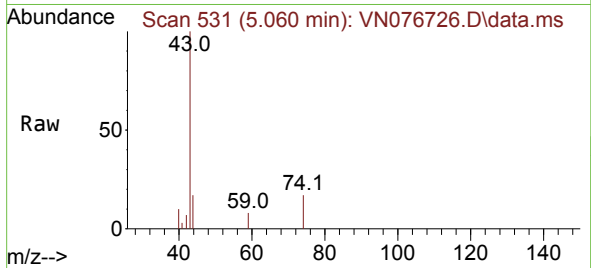




#18
Methyl Acetate
Concen: 2.700 ug/l
RT: 5.060 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

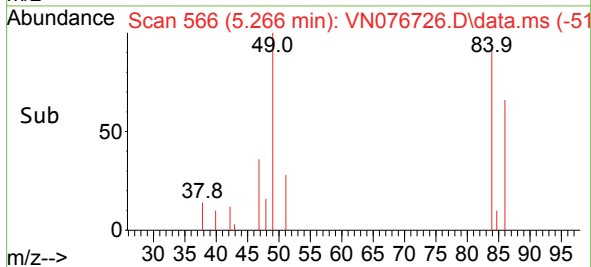
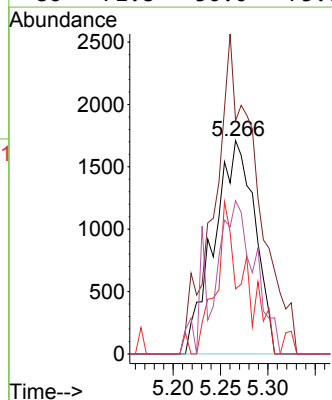
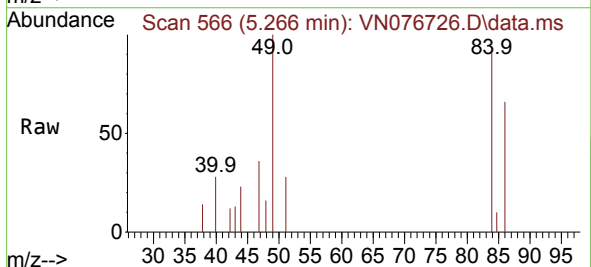
Instrument :
MSVOA_N
ClientSampleId :

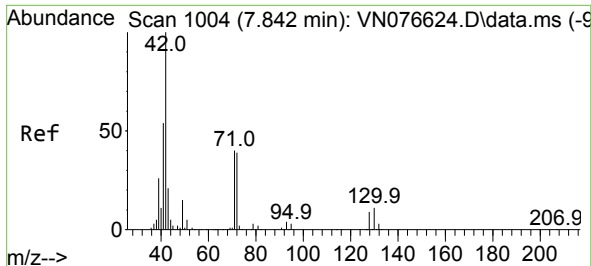
Tgt Ion: 43 Resp: 16562
Ion Ratio Lower Upper
43 100
74 8.1 17.7 26.5#



#20
Methylene Chloride
Concen: 1.305 ug/l
RT: 5.266 min Scan# 566
Delta R.T. -0.024 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Tgt Ion: 84 Resp: 5139
Ion Ratio Lower Upper
84 100
49 109.3 104.9 157.3
51 30.5 33.8 50.8#
86 71.8 50.0 75.0





#29

Tetrahydrofuran

Concen: 0.675 ug/l

RT: 7.860 min Scan# 1069

Delta R.T. 0.018 min

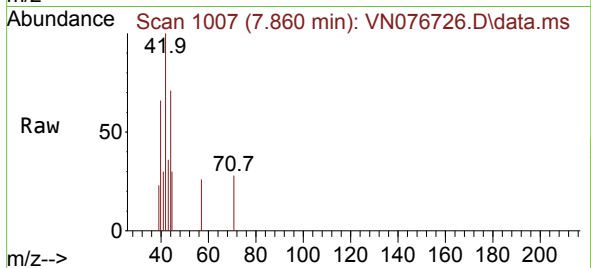
Lab File: VN076726.D

Acq: 16 Feb 2023 21:05

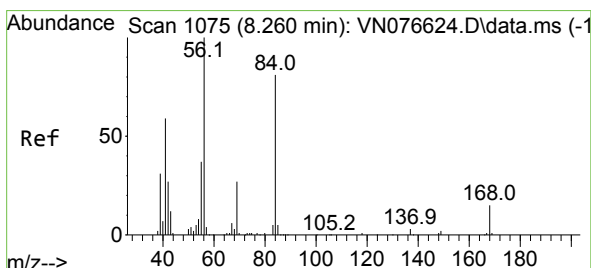
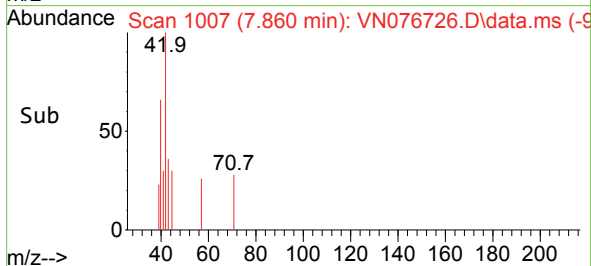
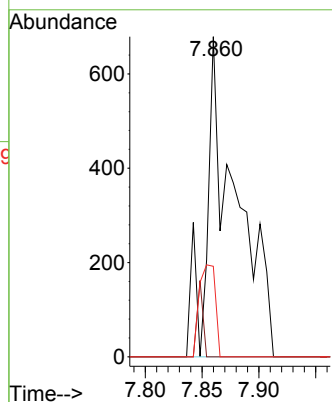
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	1223
Ion	Ratio	Lower	Upper
42	100		
72	4.7	31.5	47.3#
71	15.7	29.8	44.8#



#31

Cyclohexane

Concen: 1.422 ug/l

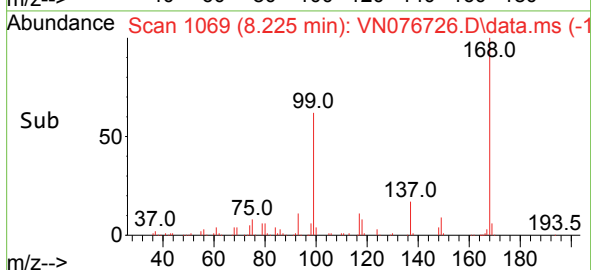
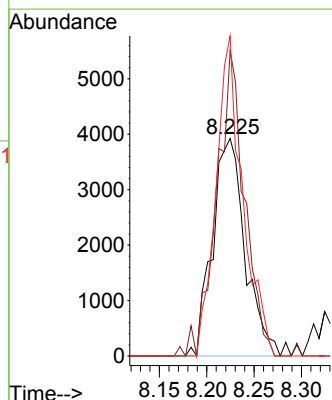
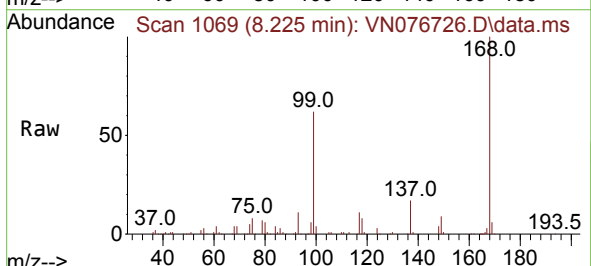
RT: 8.225 min Scan# 1069

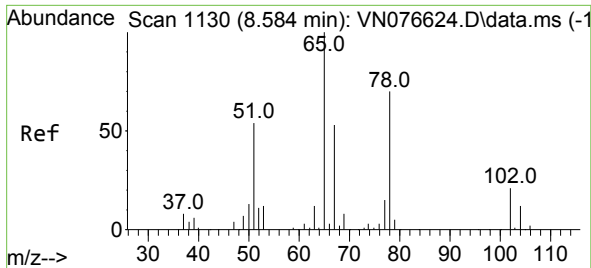
Delta R.T. -0.035 min

Lab File: VN076726.D

Acq: 16 Feb 2023 21:05

Tgt Ion:	56	Resp:	9387
Ion	Ratio	Lower	Upper
56	100		
69	140.4	21.6	32.4#
84	147.1	65.1	97.7#

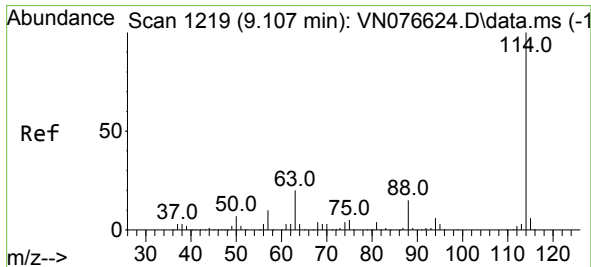
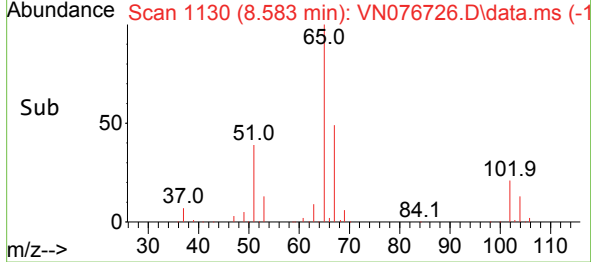
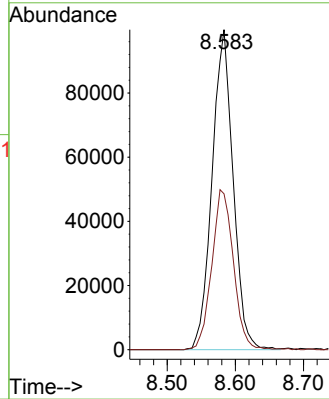
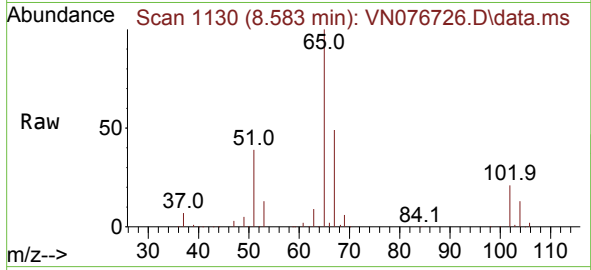




#33
1,2-Dichloroethane-d4
Concen: 50.978 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

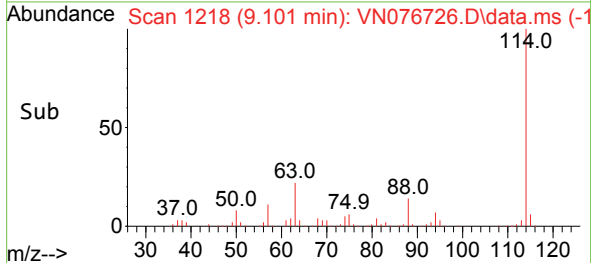
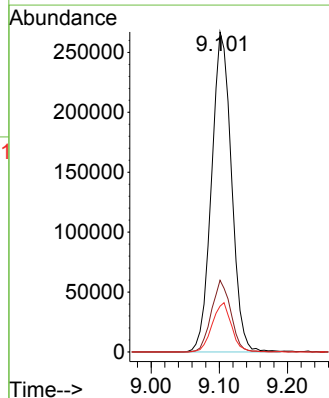
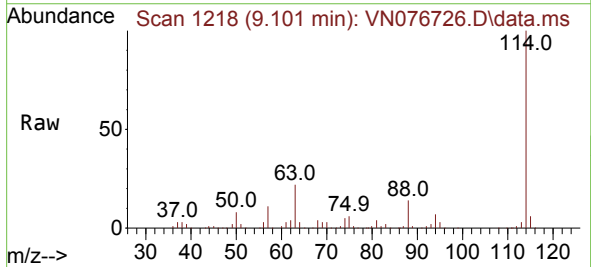
Instrument :
MSVOA_N
ClientSampleId :

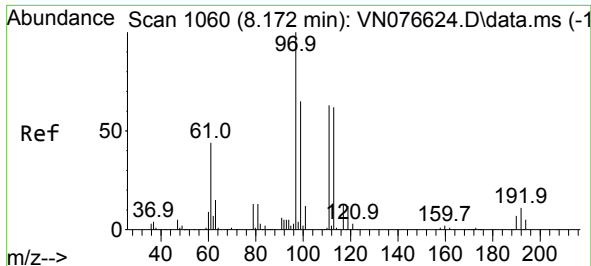
Tgt Ion: 65 Resp: 214477
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.101 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

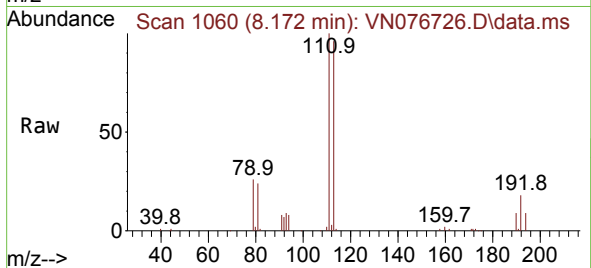
Tgt Ion: 114 Resp: 543141
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.0
88 14.3 0.0 29.6



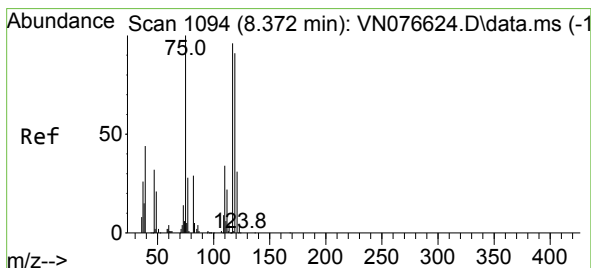
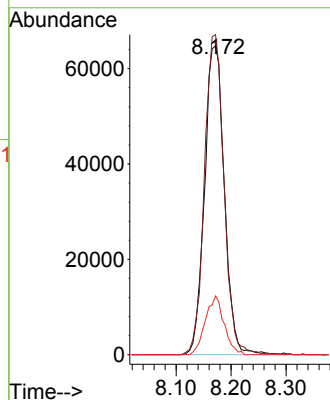
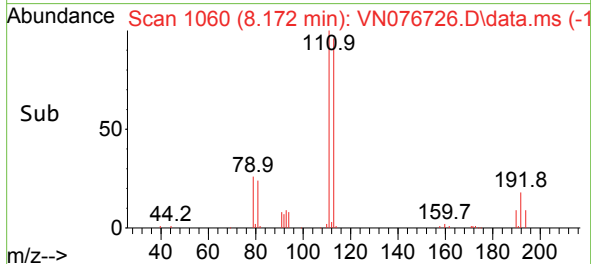


#35
Dibromofluoromethane
Concen: 45.536 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Instrument :
MSVOA_N
ClientSampleId :

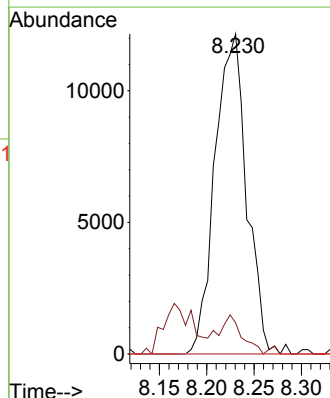
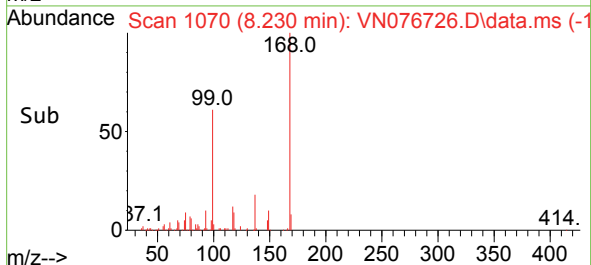
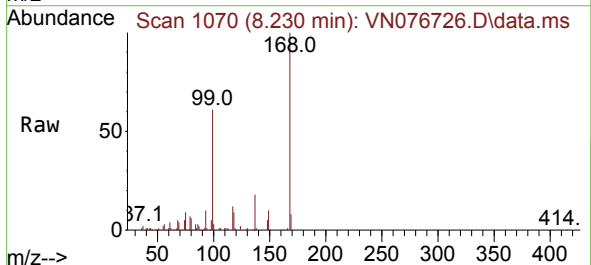


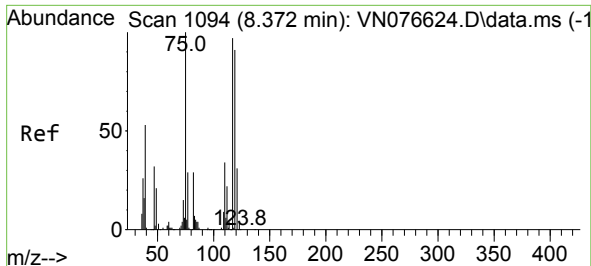
Tgt Ion:113 Resp: 161967
Ion Ratio Lower Upper
113 100
111 102.1 83.1 124.7
192 18.0 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.491 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

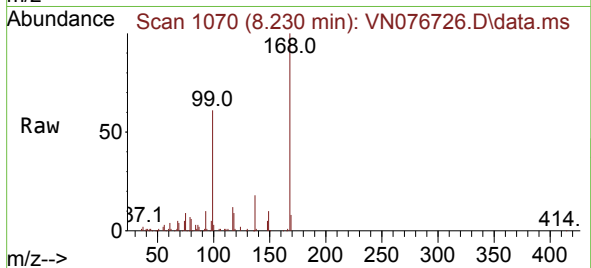
Tgt Ion: 75 Resp: 28217
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.5 36.7#



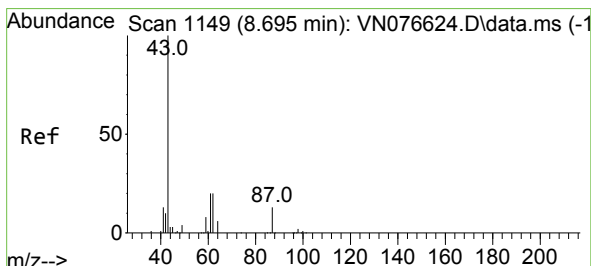
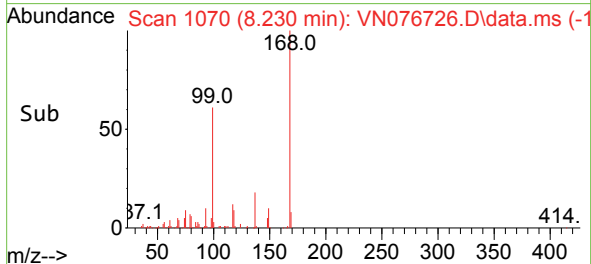
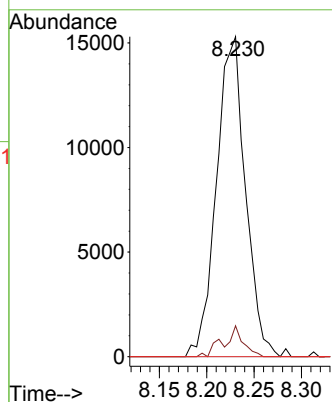


#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 8.230 min Scan# 1094
Delta R.T. -0.142 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Instrument :
MSVOA_N
ClientSampleId :

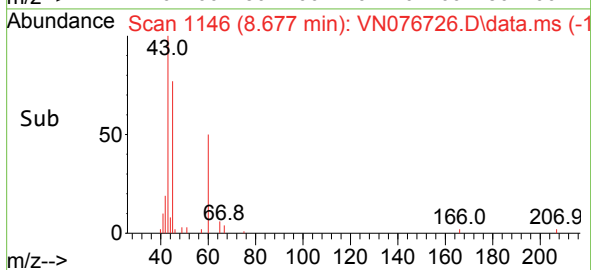
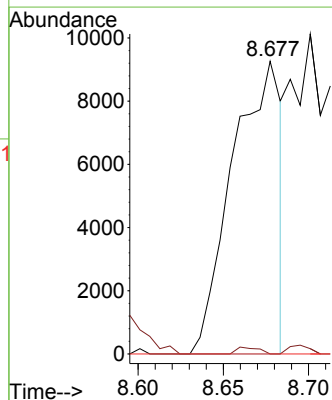
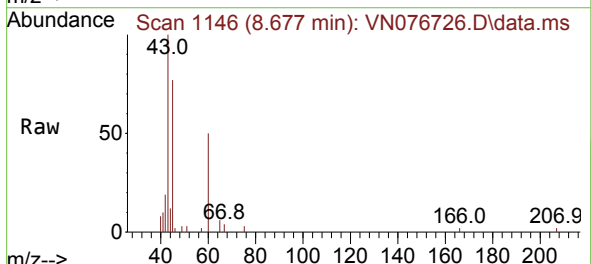


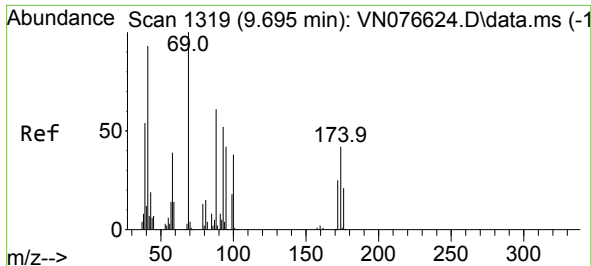
Tgt Ion:117 Resp: 32542
Ion Ratio Lower Upper
117 100
119 9.6 75.4 113.0#
121 0.0 26.0 39.0#



#43
Isopropyl Acetate
Concen: 2.089 ug/l
RT: 8.677 min Scan# 1146
Delta R.T. -0.018 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Tgt Ion: 43 Resp: 18379
Ion Ratio Lower Upper
43 100
61 1.3 20.0 30.0#
87 0.0 9.9 14.9#





#49

1,4-Dioxane

Concen: 1.052 ug/l

RT: 9.636 min Scan# 1

Delta R.T. -0.059 min

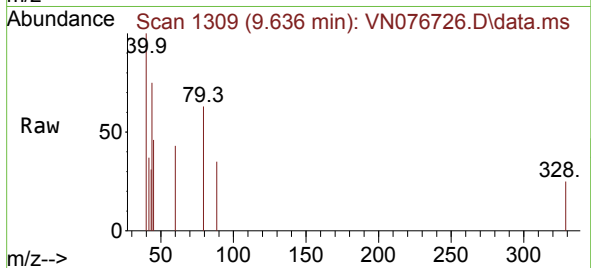
Lab File: VN076726.D

Acq: 16 Feb 2023 21:05

Instrument :

MSVOA_N

ClientSampleId :



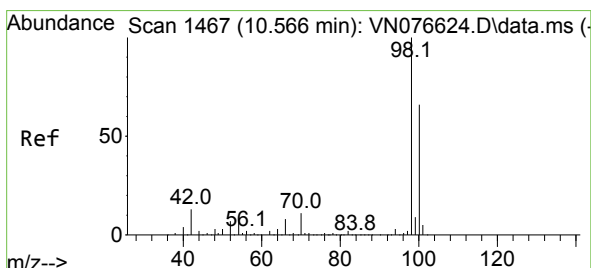
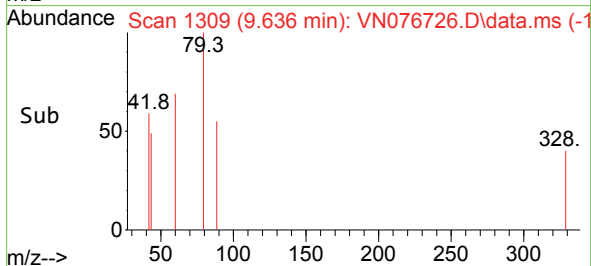
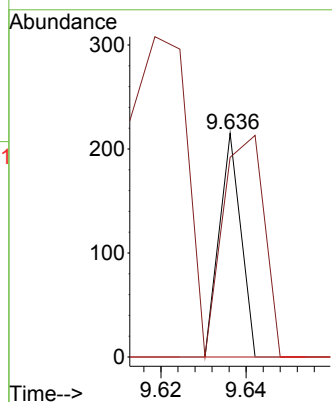
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 385.5 22.6 33.8#

58 0.0 57.6 86.4#



#50

Toluene-d8

Concen: 50.212 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. 0.005 min

Lab File: VN076726.D

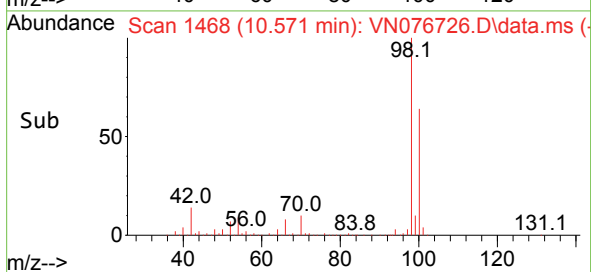
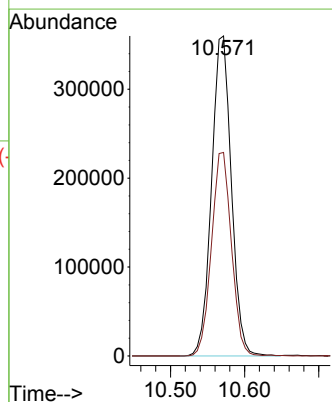
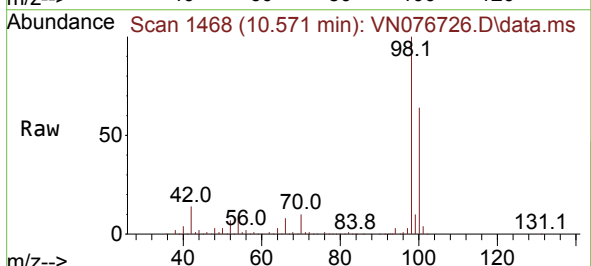
Acq: 16 Feb 2023 21:05

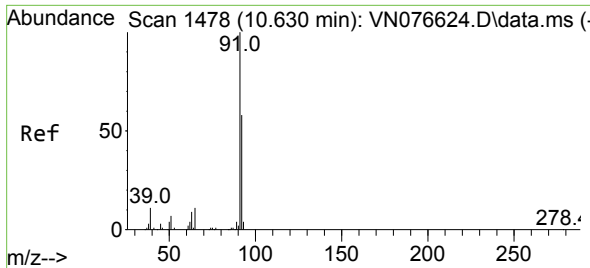
Tgt Ion: 98 Resp: 666989

Ion Ratio Lower Upper

98 100

100 64.1 52.9 79.3

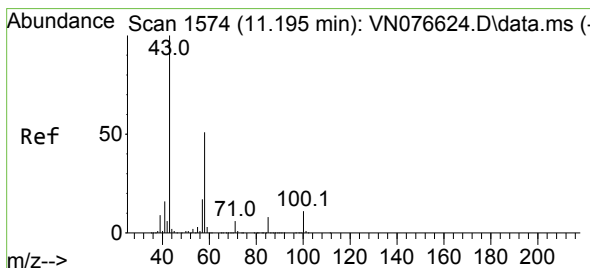
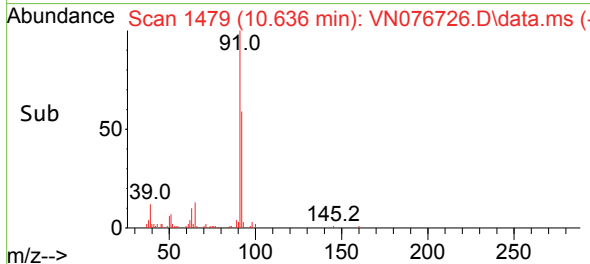
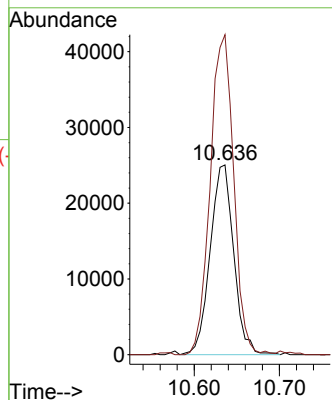
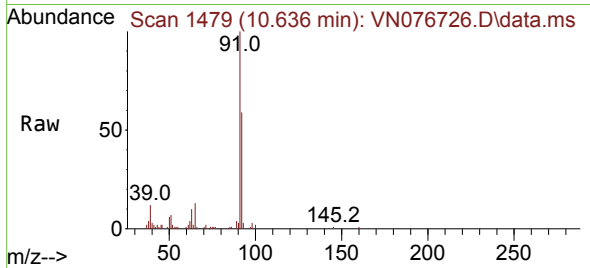




#52
Toluene
Concen: 5.049 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

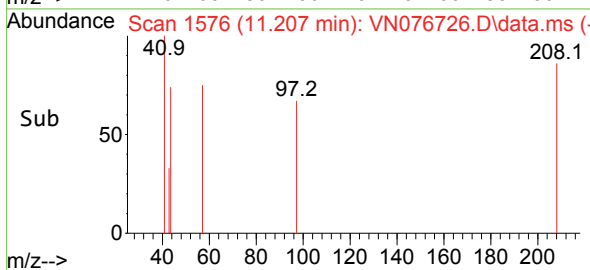
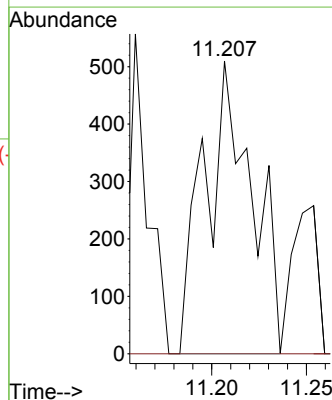
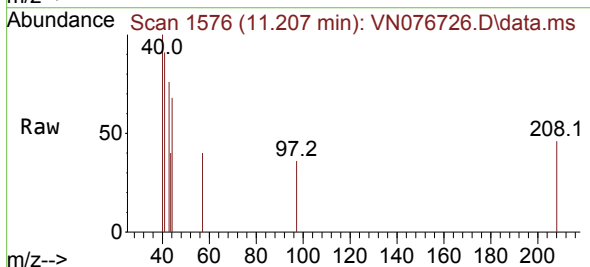
Instrument :
MSVOA_N
ClientSampleId :

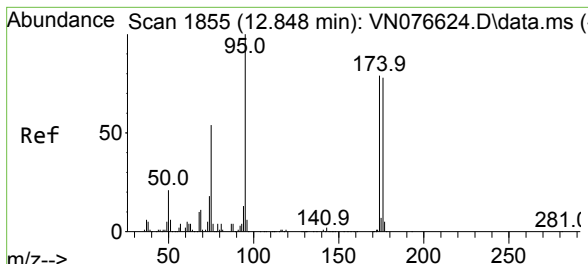
Tgt Ion: 92 Resp: 48104
Ion Ratio Lower Upper
92 100
91 168.1 138.0 207.0



#59
2-Hexanone
Concen: 0.220 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.012 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#

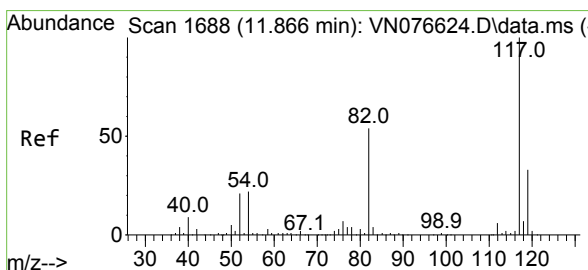
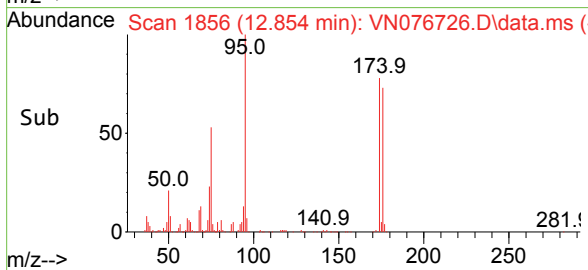
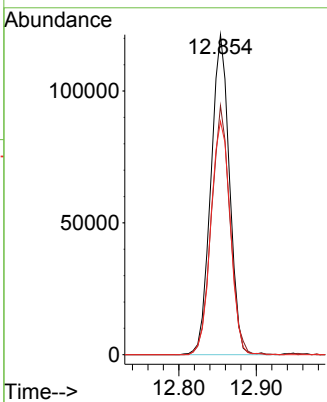
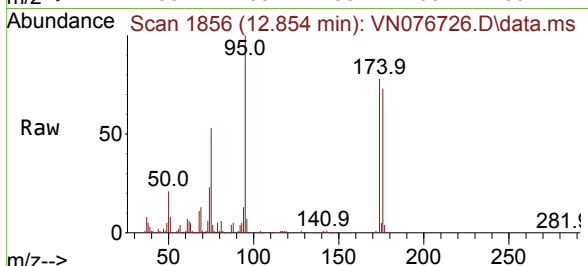




#62
 4-Bromofluorobenzene
 Concen: 46.134 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. 0.006 min
 Lab File: VN076726.D
 Acq: 16 Feb 2023 21:05

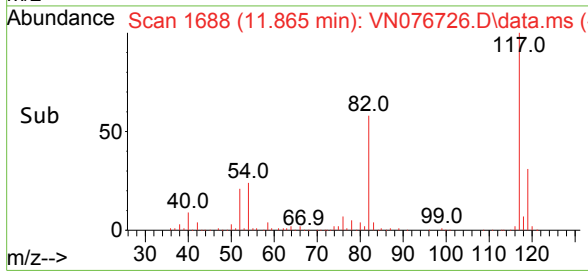
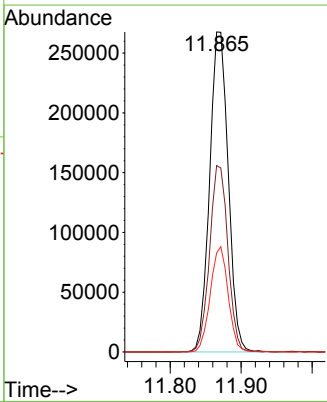
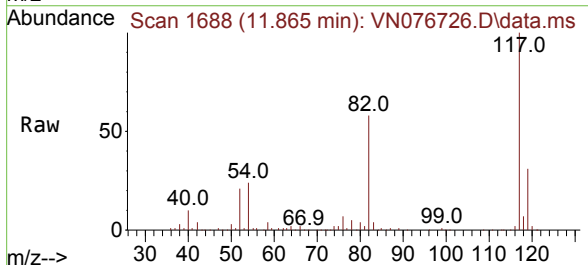
Instrument :
 MSVOA_N
 ClientSampleId :

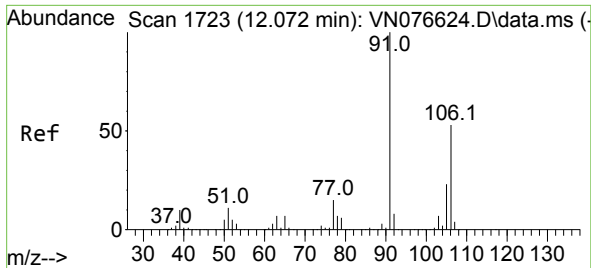
Tgt Ion:	95	Resp:	202969
Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	169.2
176	76.3	0.0	163.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1688
 Delta R.T. -0.001 min
 Lab File: VN076726.D
 Acq: 16 Feb 2023 21:05

Tgt Ion:	117	Resp:	485374
Ion	Ratio	Lower	Upper
117	100		
82	58.2	43.4	65.2
119	31.0	26.1	39.1

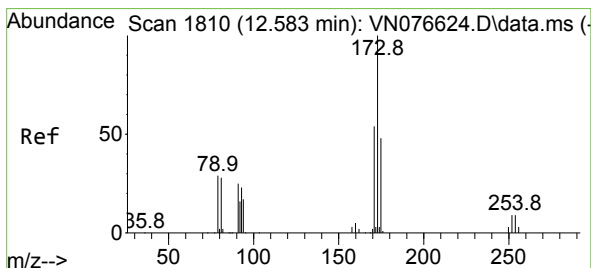
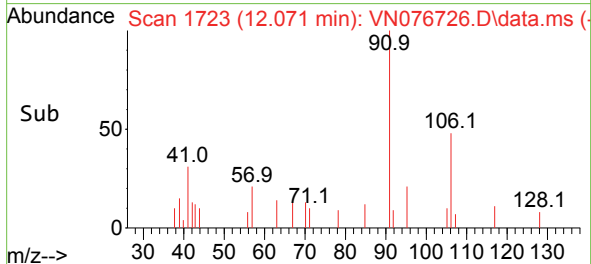
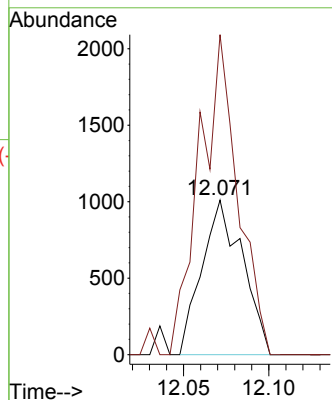
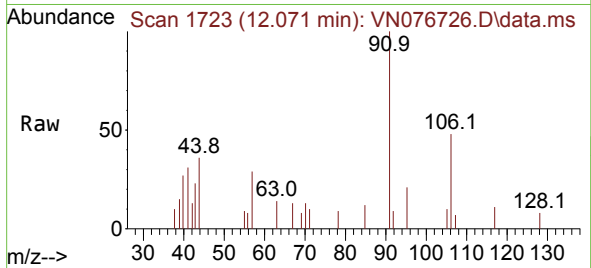




#68
m/p-Xylenes
Concen: 0.248 ug/l
RT: 12.071 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

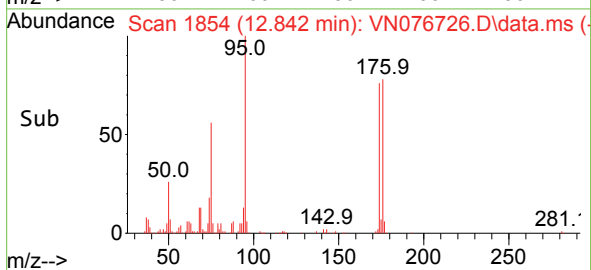
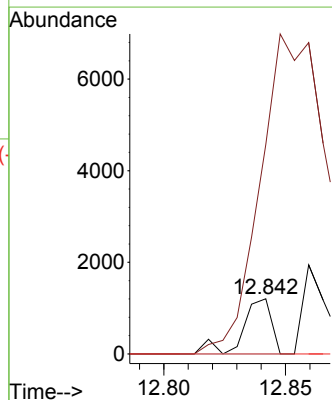
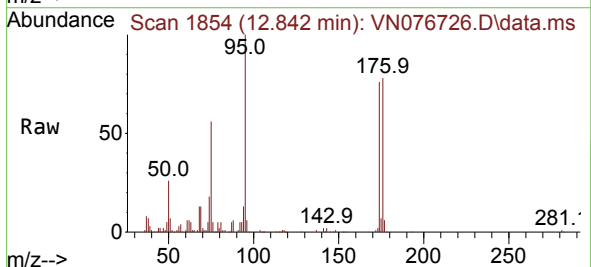
Instrument :
MSVOA_N
ClientSampleId :

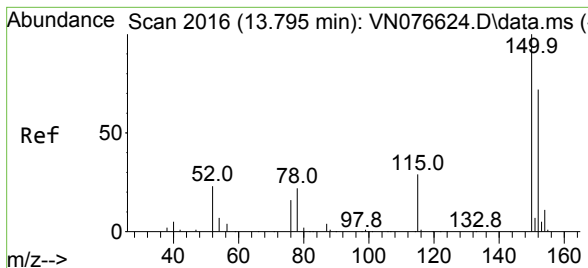
Tgt Ion:106 Resp: 1678
Ion Ratio Lower Upper
106 100
91 198.8 154.7 232.1



#71
Bromoform
Concen: 0.357 ug/l
RT: 12.842 min Scan# 1854
Delta R.T. 0.259 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Tgt Ion:173 Resp: 978
Ion Ratio Lower Upper
173 100
175 787.3 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: VN076726.D

Acq: 16 Feb 2023 21:05

Instrument :

MSVOA_N

ClientSampleId :

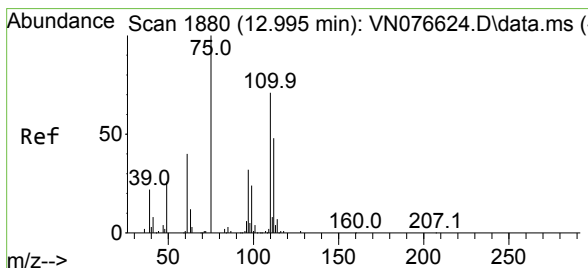
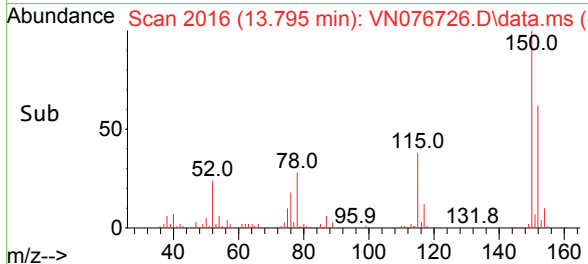
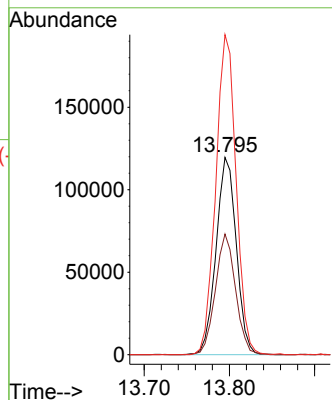
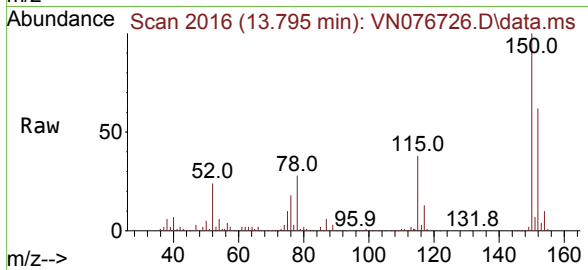
Tgt Ion:152 Resp: 197890

Ion Ratio Lower Upper

152 100

115 61.0 29.3 87.9

150 162.7 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 28.308 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076726.D

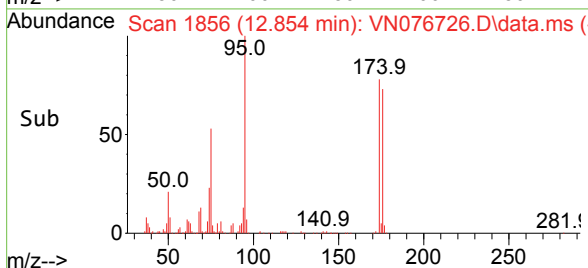
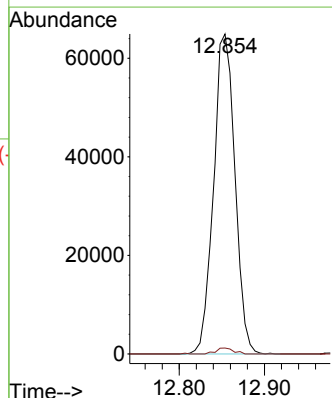
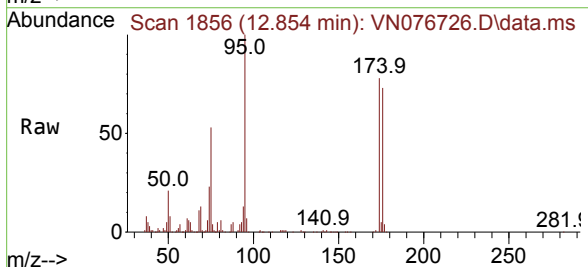
Acq: 16 Feb 2023 21:05

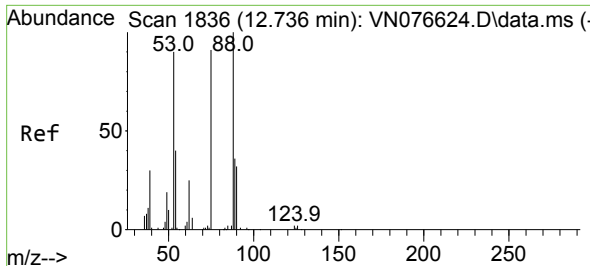
Tgt Ion: 75 Resp: 113253

Ion Ratio Lower Upper

75 100

77 1.5 93.1 279.3#

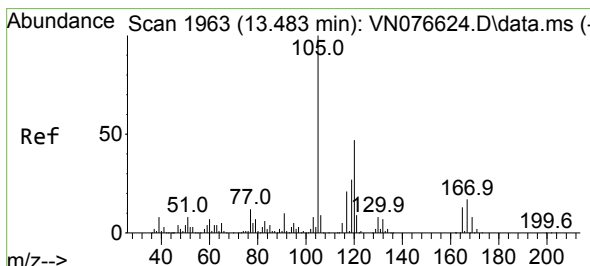
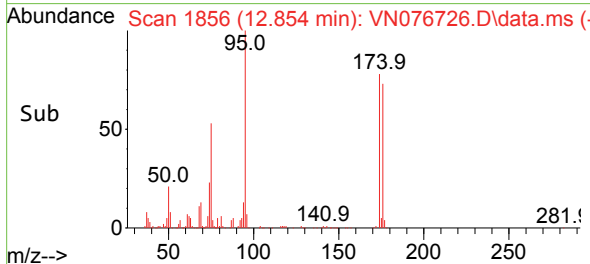
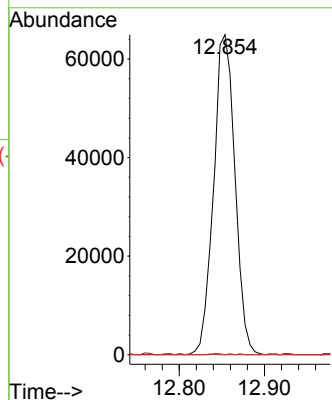
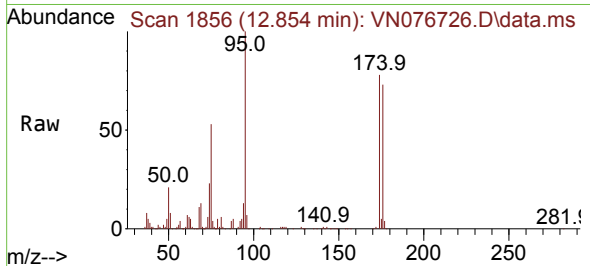




#81
trans-1,4-Dichloro-2-butene
Concen: 82.448 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

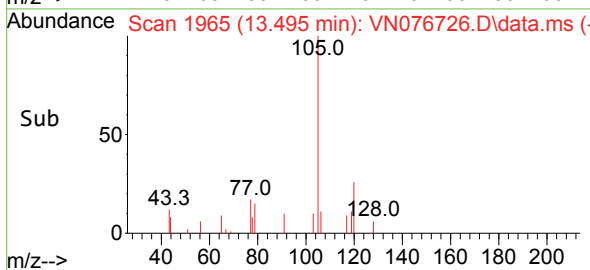
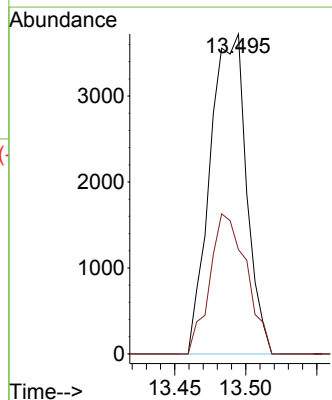
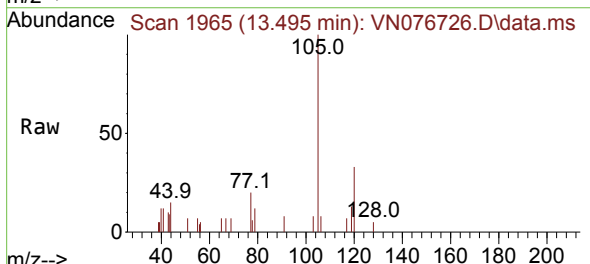
Instrument :
MSVOA_N
ClientSampleId :

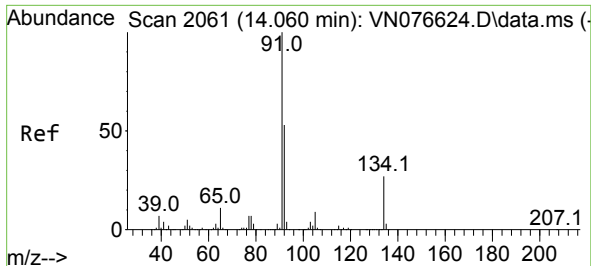
Tgt Ion: 75 Resp: 113253
Ion Ratio Lower Upper
75 100
53 0.1 92.1 138.1#
89 0.0 37.5 56.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.553 ug/l
RT: 13.495 min Scan# 1965
Delta R.T. 0.012 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

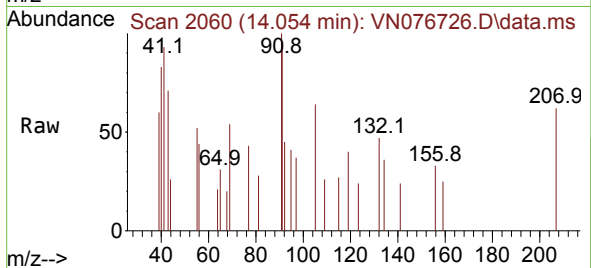
Tgt Ion: 105 Resp: 6607
Ion Ratio Lower Upper
105 100
120 44.3 23.0 69.0



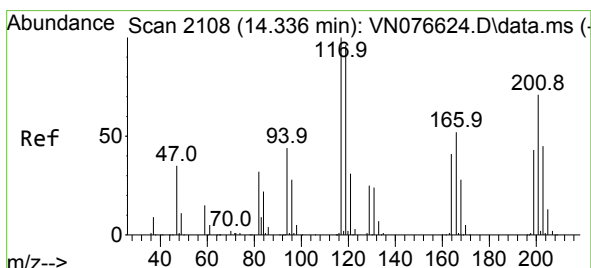
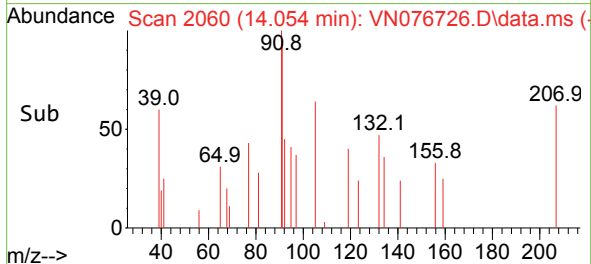
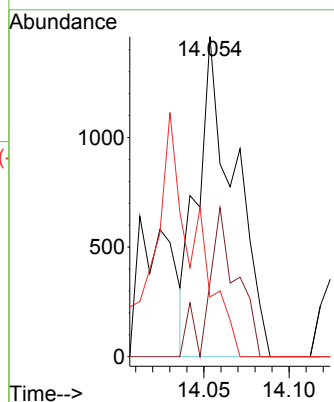


#89
n-Butylbenzene
Concen: 0.209 ug/l
RT: 14.054 min Scan# 2061
Delta R.T. -0.006 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Instrument :
MSVOA_N
ClientSampleId :

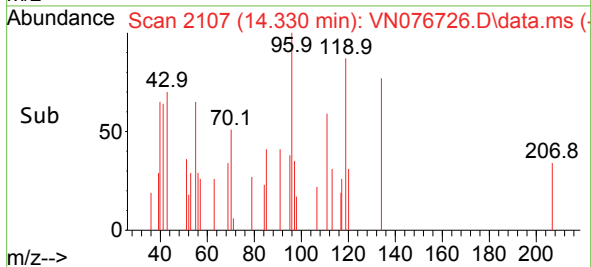
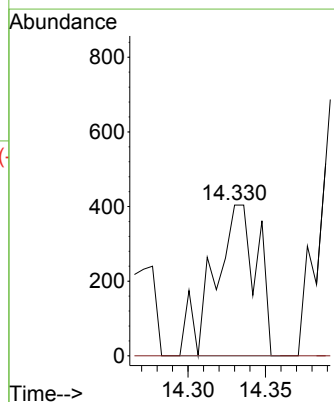
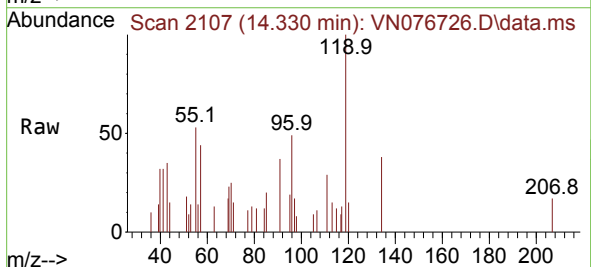


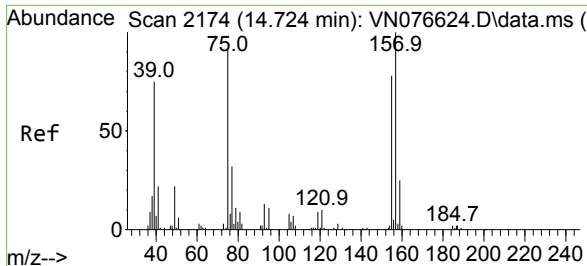
Tgt Ion: 91 Resp: 2202
Ion Ratio Lower Upper
91 100
92 35.7 26.4 79.0
134 0.0 13.2 39.5#



#90
Hexachloroethane
Concen: 0.308 ug/l
RT: 14.330 min Scan# 2107
Delta R.T. -0.006 min
Lab File: VN076726.D
Acq: 16 Feb 2023 21:05

Tgt Ion: 117 Resp: 780
Ion Ratio Lower Upper
117 100
201 0.0 35.5 106.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.237 ug/l

RT: 14.736 min Scan# 2176

Delta R.T. 0.012 min

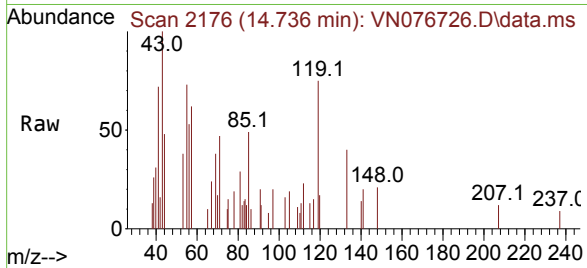
Lab File: VN076726.D

Acq: 16 Feb 2023 21:05

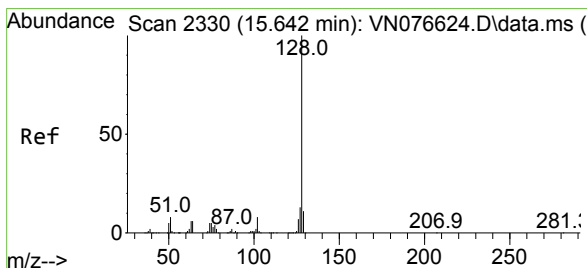
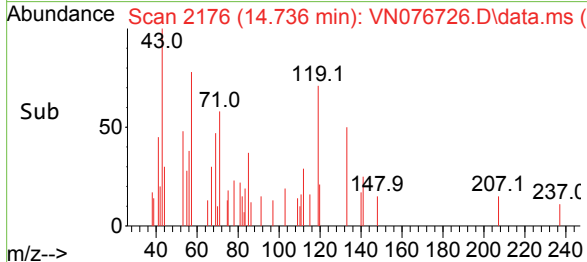
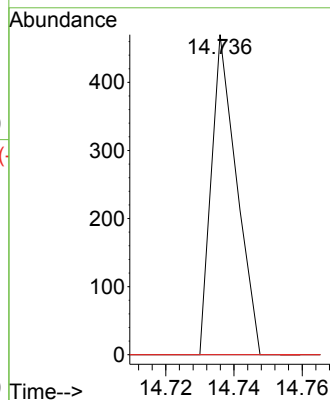
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 241
Ion Ratio	Lower Upper
75	100
155	0.0 43.4 130.2#
157	0.0 55.2 165.6#



#95

Naphthalene

Concen: 0.649 ug/l

RT: 15.648 min Scan# 2331

Delta R.T. 0.006 min

Lab File: VN076726.D

Acq: 16 Feb 2023 21:05

Tgt Ion: 128	Resp: 6893
Ion Ratio	Lower Upper
128	100
127	11.0 10.6 16.0
129	8.5 8.6 13.0#

