

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071724.D
 Acq On : 01 Apr 2022 00:02
 Operator : JC\MD
 Sample : N2090-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-46

Quant Time: Apr 01 01:42:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

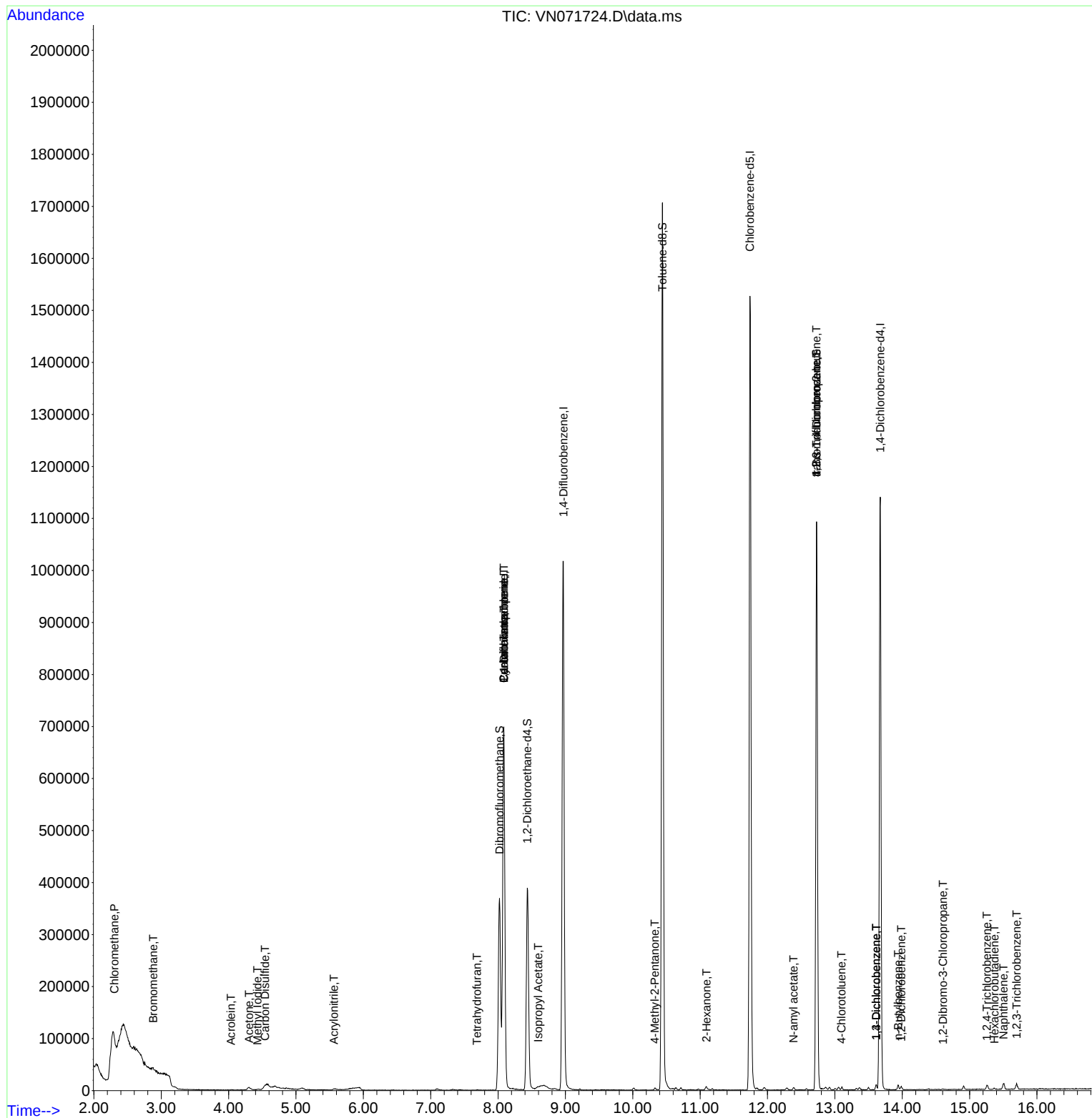
Internal Standards						
1) Pentafluorobenzene	8.087	168	576387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	967094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	967748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	339888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	332499	50.531	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.060%			
35) Dibromofluoromethane	8.022	113	279019	49.030	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.060%			
50) Toluene-d8	10.439	98	1207890	51.886	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.727	95	394808	52.438	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.880%			
Target Compounds					Qvalue	
3) Chloromethane	2.305	50	8034	1.384	ug/l #	68
5) Bromomethane	2.881	94	1934	0.467	ug/l #	70
10) Methyl Iodide	4.428	142	1685	0.241	ug/l #	77
13) Acrolein	4.034	56	676	0.519	ug/l	91
15) Acrylonitrile	5.563	53	907	0.292	ug/l #	80
16) Acetone	4.304	43	8235	2.928	ug/l #	88
17) Carbon Disulfide	4.540	76	13261	1.215	ug/l #	91
18) Methyl Acetate	4.863	43	3360	Below Cal	#	82
29) Tetrahydrofuran	7.687	42	886	0.338	ug/l #	44
31) Cyclohexane	8.087	56	10423	1.165	ug/l #	16
36) 1,1-Dichloropropene	8.087	75	39416	4.960	ug/l #	49
38) Carbon Tetrachloride	8.087	117	52476	6.738	ug/l #	18
43) Isopropyl Acetate	8.598	43	4891	0.338	ug/l #	53
51) 4-Methyl-2-Pentanone	10.328	43	2925	0.352	ug/l	93
59) 2-Hexanone	11.092	43	5931	1.013	ug/l	86
74) N-amyl acetate	12.386	43	2533	0.309	ug/l #	94
76) 1,2,3-Trichloropropane	12.727	75	192122	24.400	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	192122	75.616	ug/l #	10
82) 4-Chlorotoluene	13.098	91	4179	0.233	ug/l	91
87) 1,3-Dichlorobenzene	13.616	146	2991	0.261	ug/l	91
88) 1,4-Dichlorobenzene	13.616	146	2991	0.268	ug/l	93
89) n-Butylbenzene	13.939	91	5965	0.375	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	2957	0.263	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.604	75	326	0.220	ug/l	71
93) 1,2,4-Trichlorobenzene	15.257	180	3861	2.770	ug/l	90
94) Hexachlorobutadiene	15.368	225	793	0.239	ug/l	79
95) Naphthalene	15.504	128	11879	4.512	ug/l	98
96) 1,2,3-Trichlorobenzene	15.698	180	4384	3.210	ug/l	99

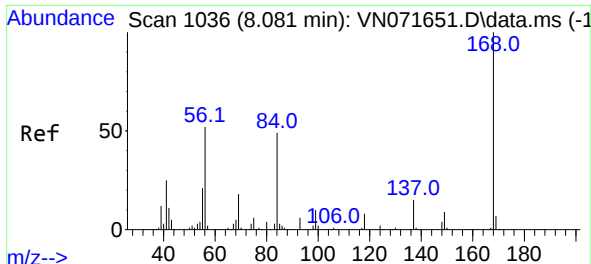
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
Data File : VN071724.D
Acq On : 01 Apr 2022 00:02
Operator : JC\MD
Sample : N2090-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-46

Quant Time: Apr 01 01:42:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

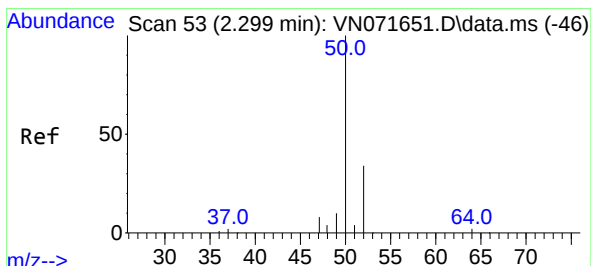
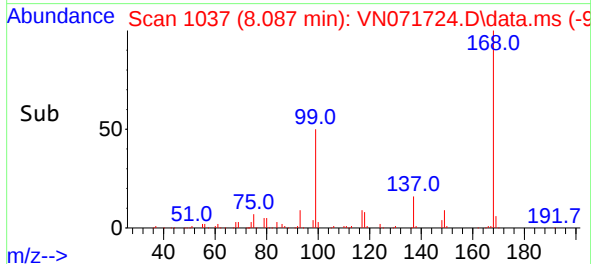
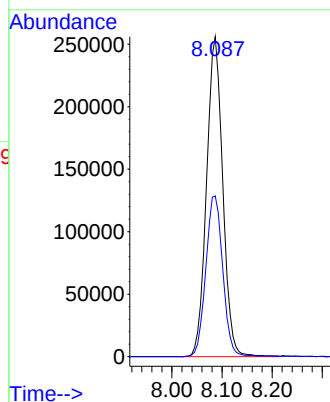
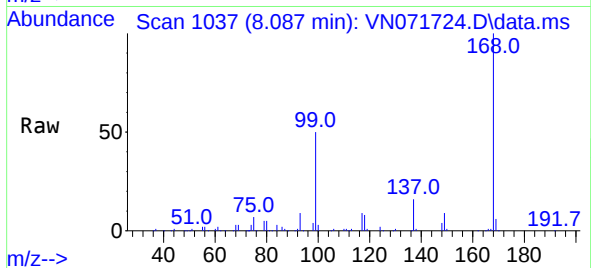




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

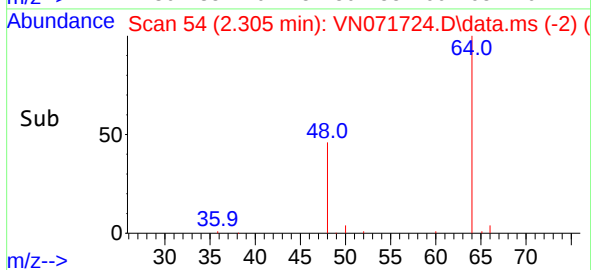
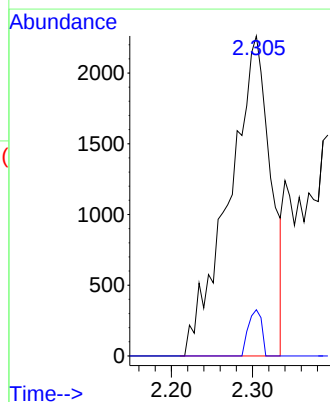
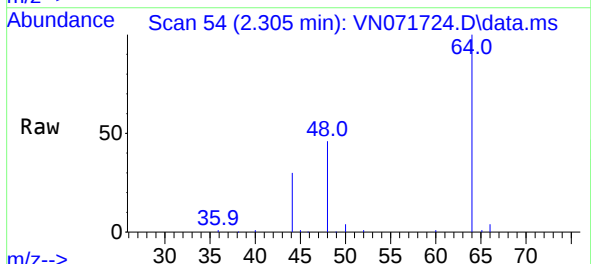
Instrument :
MSVOA_N
ClientSampleId :
MW-46

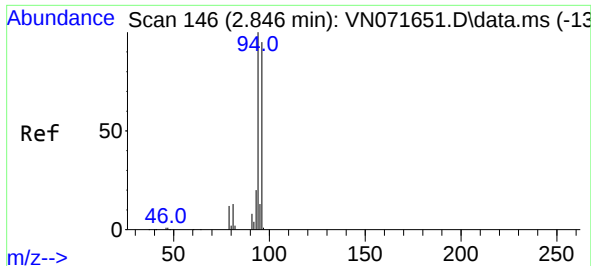
Tgt Ion:168 Resp: 576387
Ion Ratio Lower Upper
168 100
99 50.3 42.3 63.5



#3
Chloromethane
Concen: 1.384 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 50 Resp: 8034
Ion Ratio Lower Upper
50 100
52 14.5 25.7 38.5#

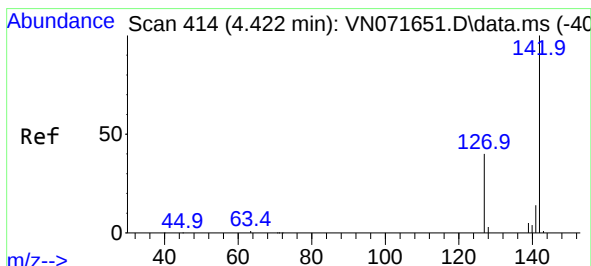
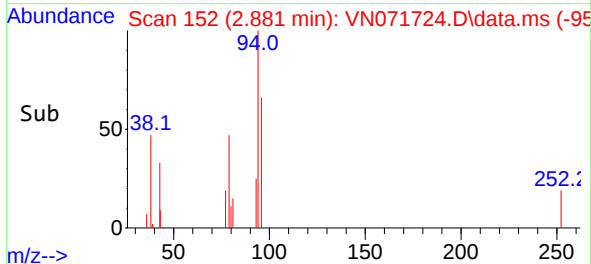
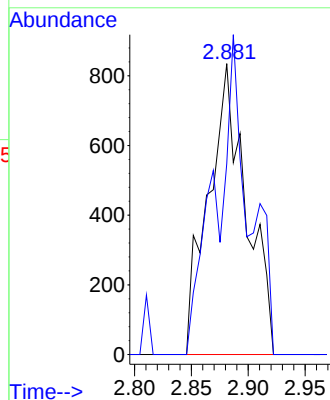
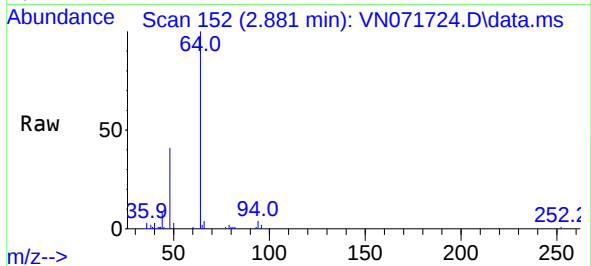




#5
Bromomethane
Concen: 0.467 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

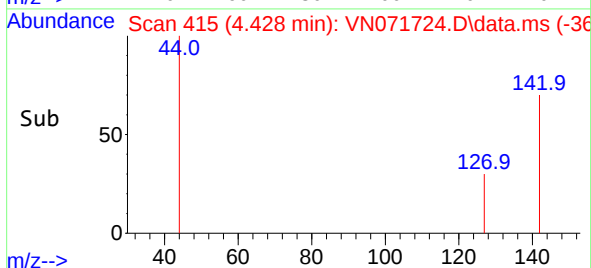
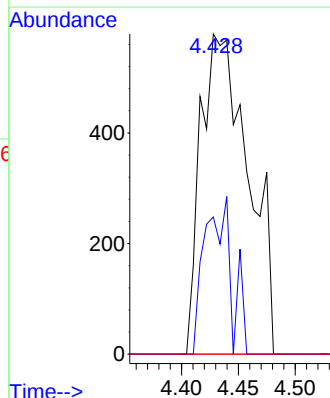
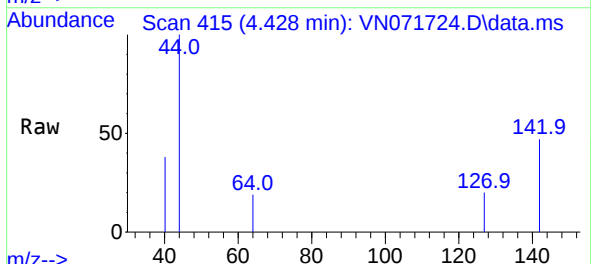
Instrument :
MSVOA_N
ClientSampleId :
MW-46

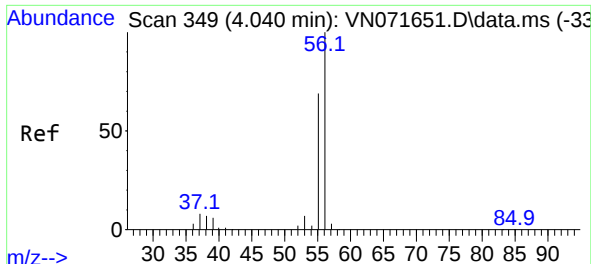
Tgt Ion: 94 Resp: 1934
Ion Ratio Lower Upper
94 100
96 65.6 76.0 114.0#



#10
Methyl Iodide
Concen: 0.241 ug/l
RT: 4.428 min Scan# 415
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 142 Resp: 1685
Ion Ratio Lower Upper
142 100
127 27.7 31.3 46.9#
141 0.0 11.2 16.8#

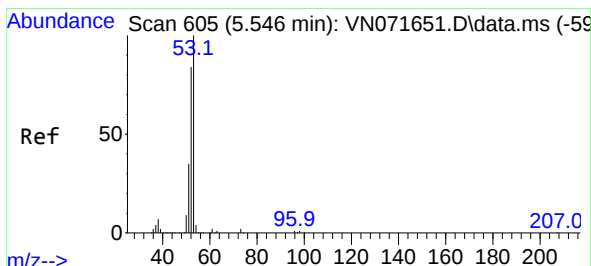
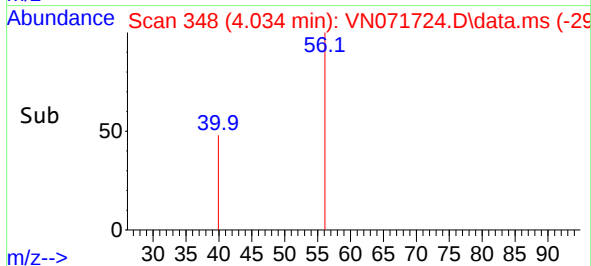
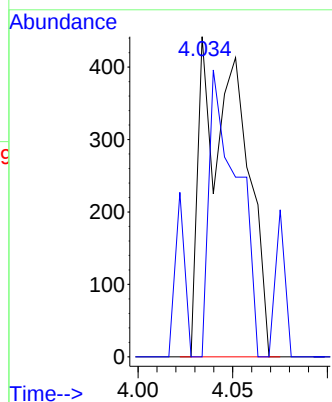
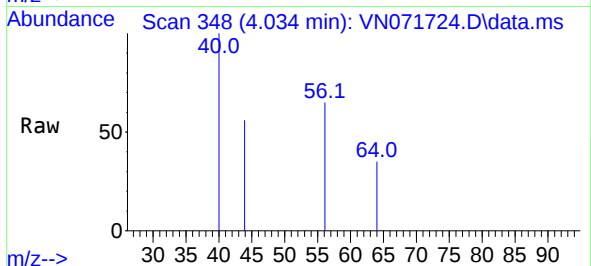




#13
Acrolein
Concen: 0.519 ug/l
RT: 4.034 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

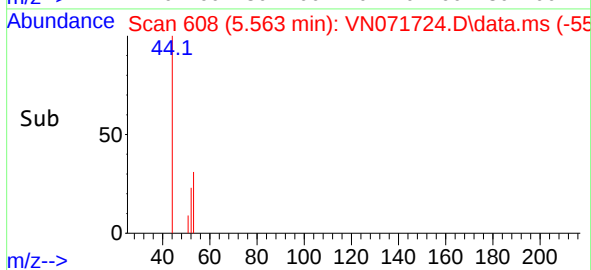
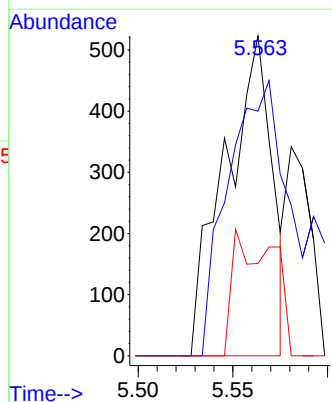
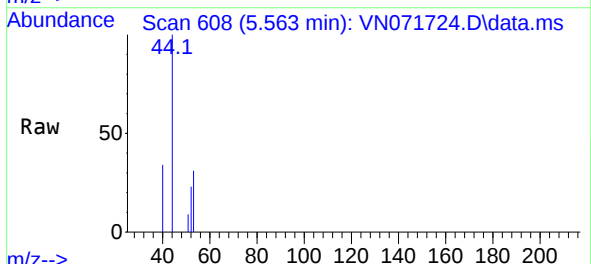
Instrument :
MSVOA_N
ClientSampleId :
MW-46

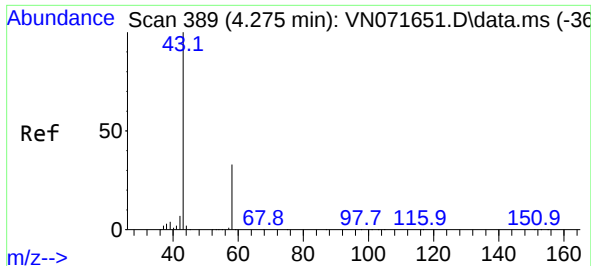
Tgt Ion: 56 Resp: 676
Ion Ratio Lower Upper
56 100
55 60.9 54.8 82.2



#15
Acrylonitrile
Concen: 0.292 ug/l
RT: 5.563 min Scan# 608
Delta R.T. 0.017 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 53 Resp: 907
Ion Ratio Lower Upper
53 100
52 107.4 66.4 99.6#
51 33.6 28.5 42.7

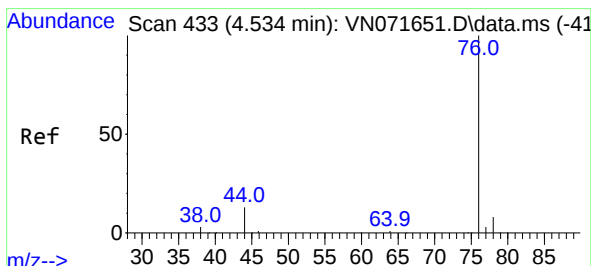
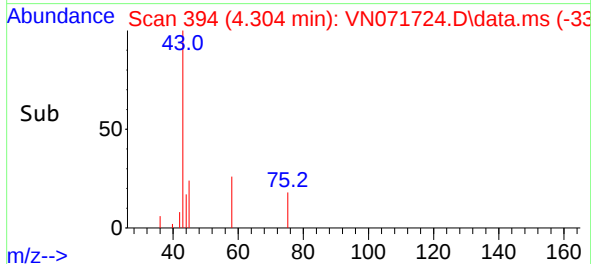
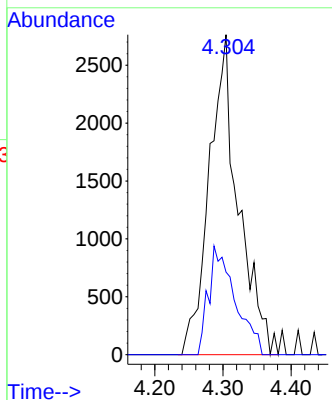
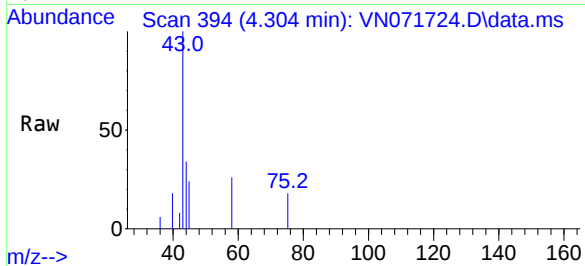




#16
Acetone
Concen: 2.928 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.029 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

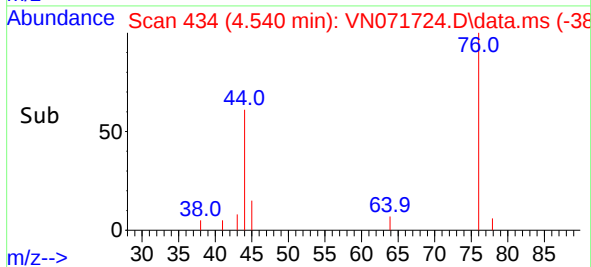
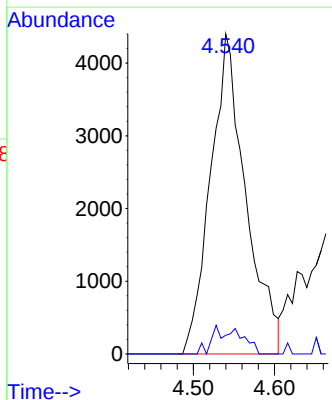
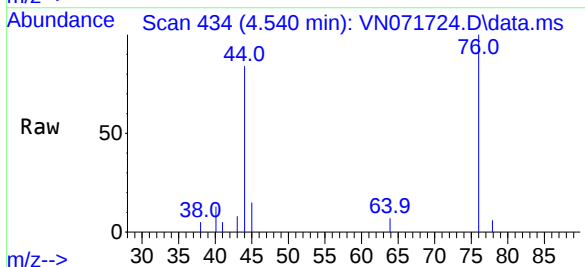
Instrument :
MSVOA_N
ClientSampleId :
MW-46

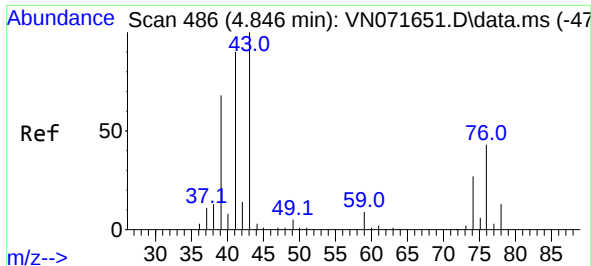
Tgt Ion: 43 Resp: 8235
Ion Ratio Lower Upper
43 100
58 25.8 26.0 39.0#



#17
Carbon Disulfide
Concen: 1.215 ug/l
RT: 4.540 min Scan# 434
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 76 Resp: 13261
Ion Ratio Lower Upper
76 100
78 5.8 7.2 10.8#

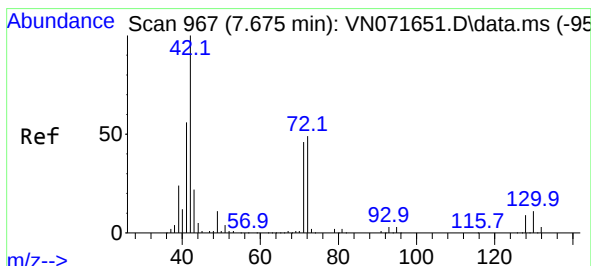
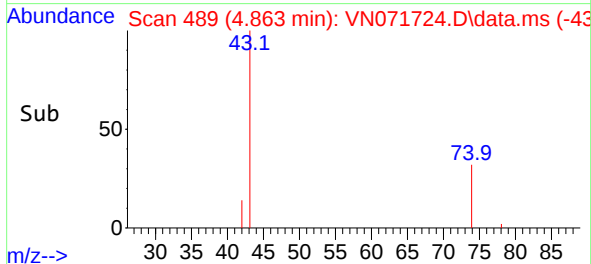
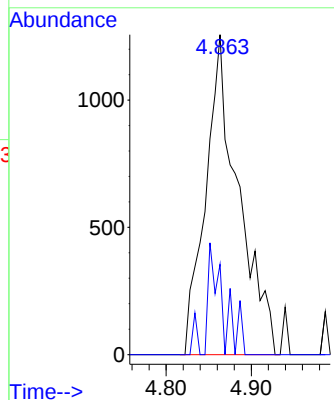
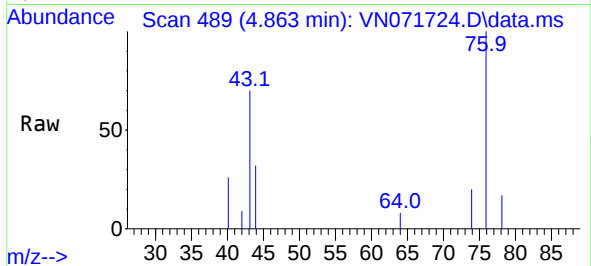




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

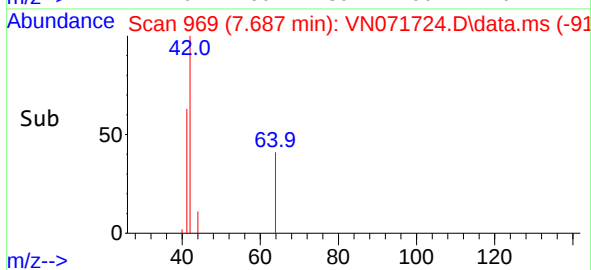
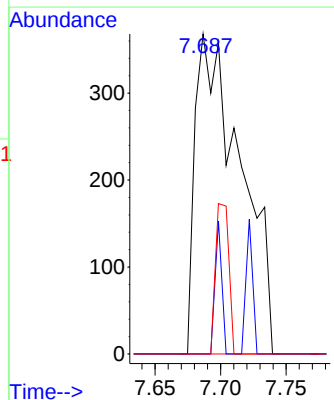
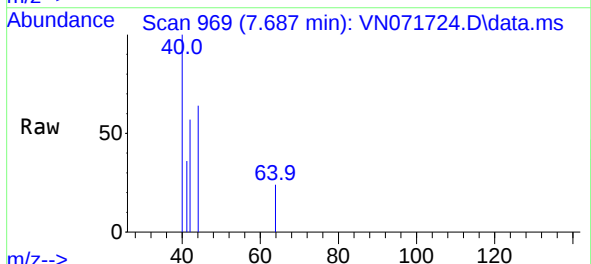
Instrument :
MSVOA_N
ClientSampleId :
MW-46

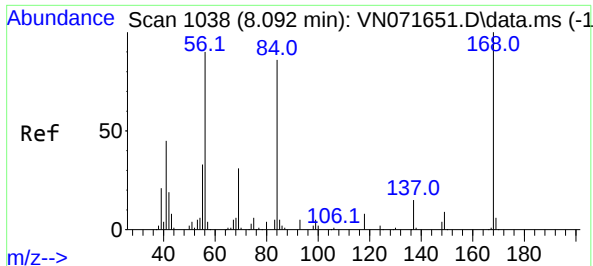
Tgt Ion: 43 Resp: 3360
Ion Ratio Lower Upper
43 100
74 17.5 21.6 32.4#



#29
Tetrahydrofuran
Concen: 0.338 ug/l
RT: 7.687 min Scan# 969
Delta R.T. 0.012 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 42 Resp: 886
Ion Ratio Lower Upper
42 100
72 6.1 39.7 59.5#
71 13.7 36.6 55.0#





#31

Cyclohexane

Concen: 1.165 ug/l

RT: 8.087 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN071724.D

Acq: 01 Apr 2022 00:02

Instrument :

MSVOA_N

ClientSampleId :

MW-46

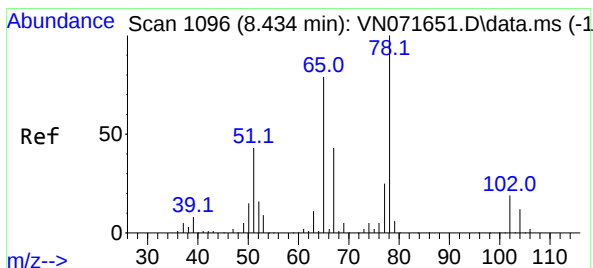
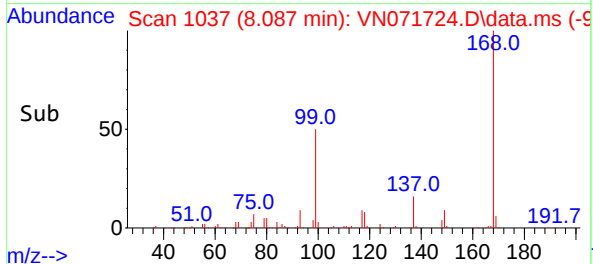
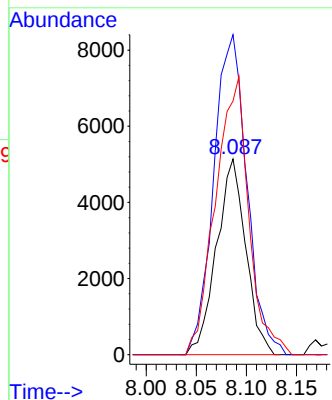
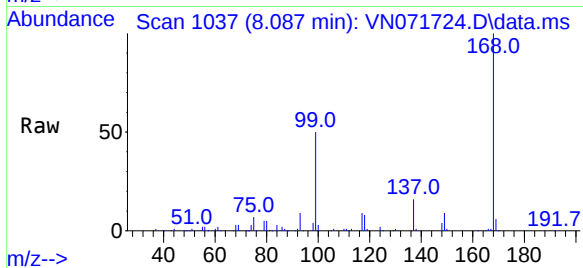
Tgt Ion: 56 Resp: 10423

Ion Ratio Lower Upper

56 100

69 163.5 27.8 41.8#

84 129.6 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 50.531 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071724.D

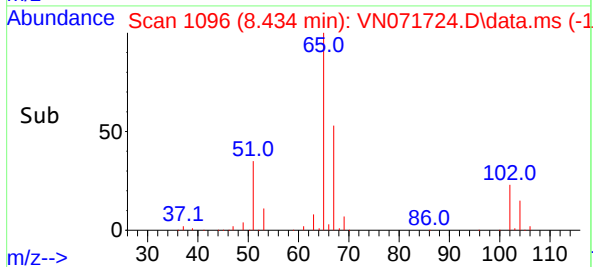
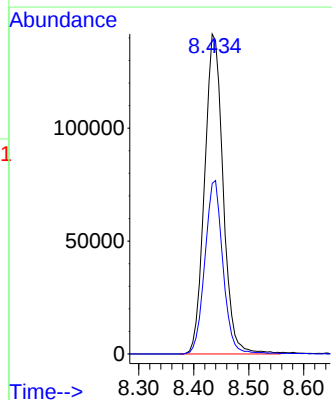
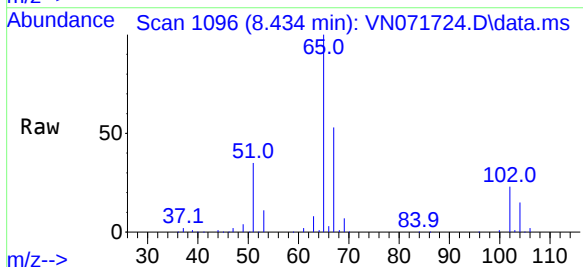
Acq: 01 Apr 2022 00:02

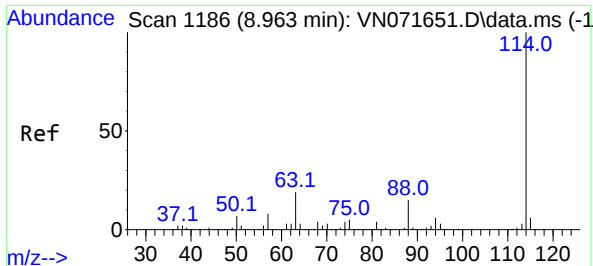
Tgt Ion: 65 Resp: 332499

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN071724.D

Acq: 01 Apr 2022 00:02

Instrument :

MSVOA_N

ClientSampleId :

MW-46

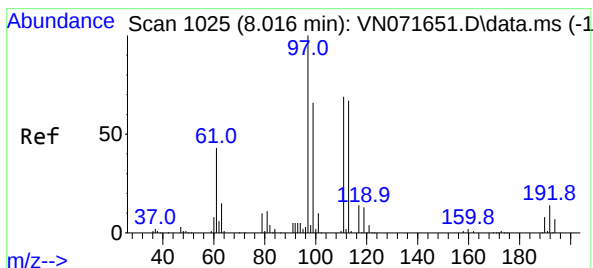
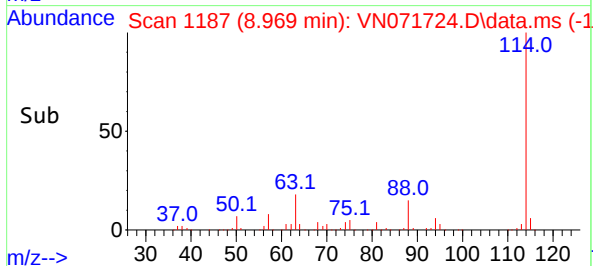
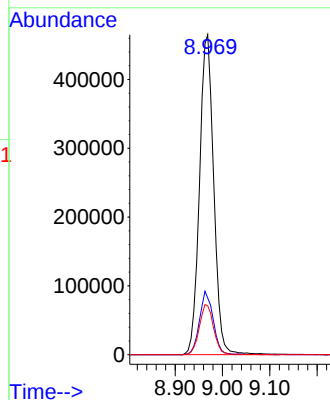
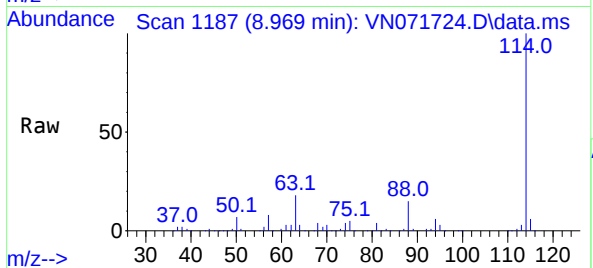
Tgt Ion:114 Resp: 967094

Ion Ratio Lower Upper

114 100

63 17.7 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.030 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071724.D

Acq: 01 Apr 2022 00:02

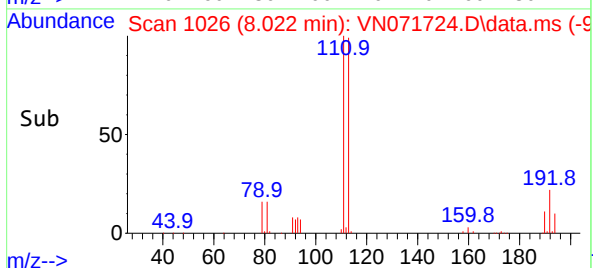
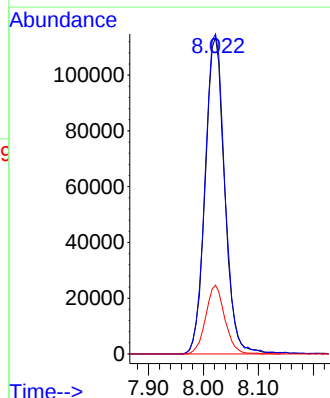
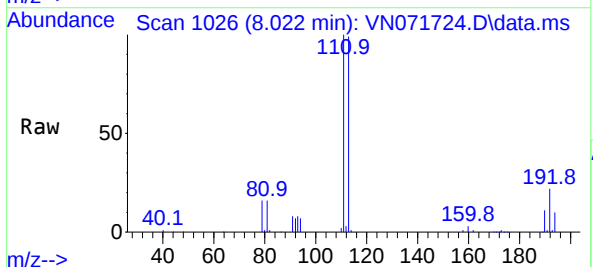
Tgt Ion:113 Resp: 279019

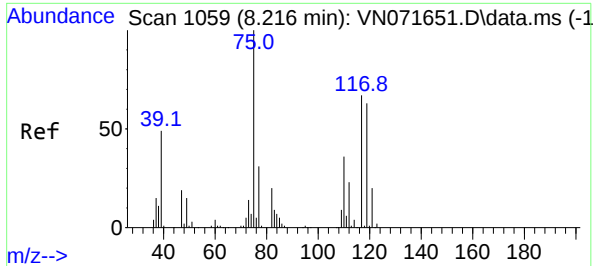
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 21.3 17.0 25.6

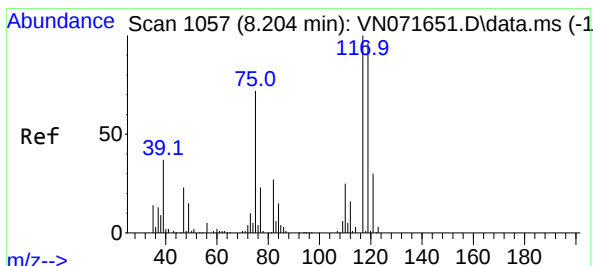
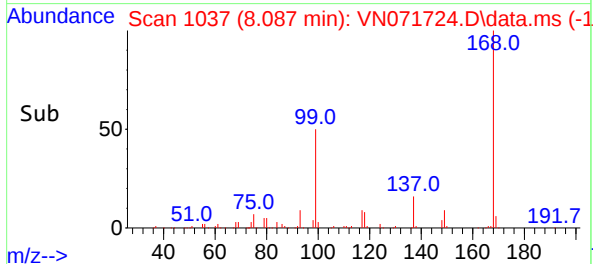
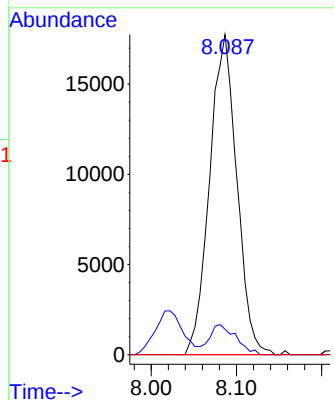
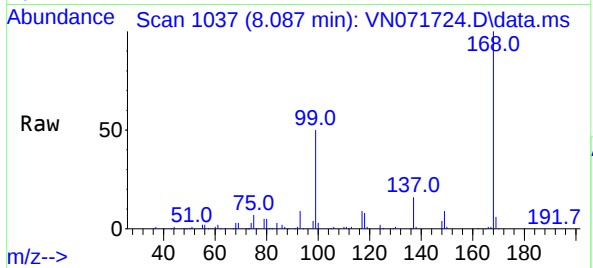




#36
1,1-Dichloropropene
Concen: 4.960 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

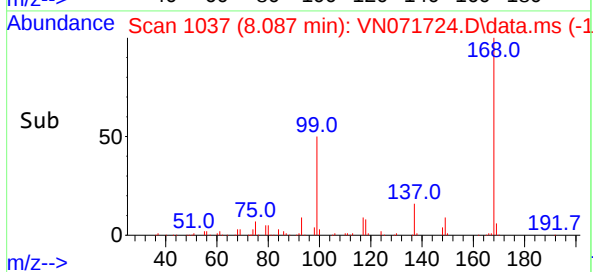
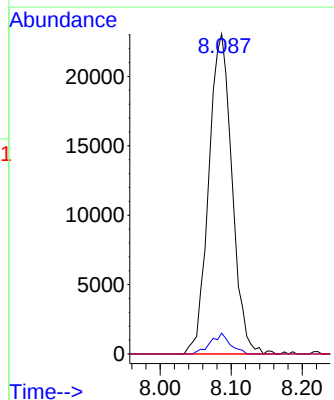
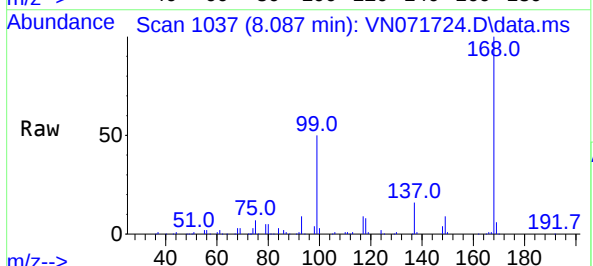
Instrument :
MSVOA_N
ClientSampleId :
MW-46

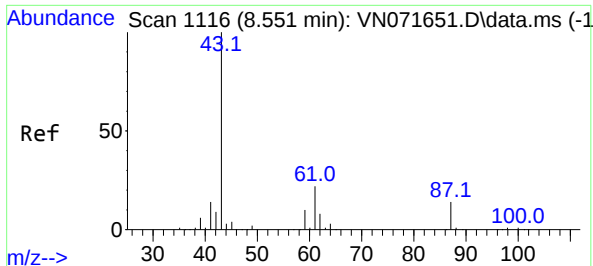
Tgt Ion: 75 Resp: 39416
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.738 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.117 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 117 Resp: 52476
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.8#
121 0.0 24.6 37.0#

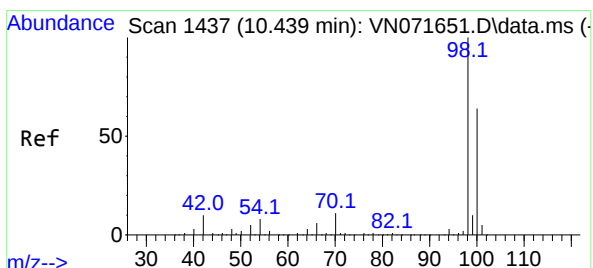
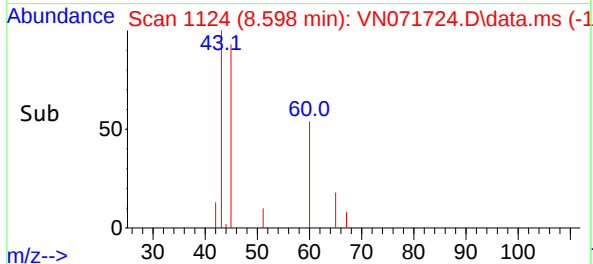
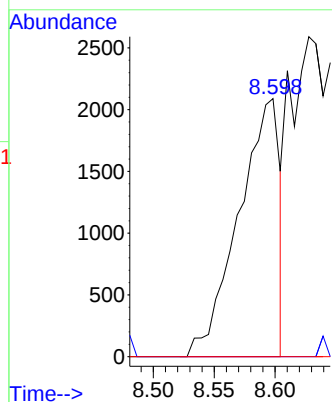
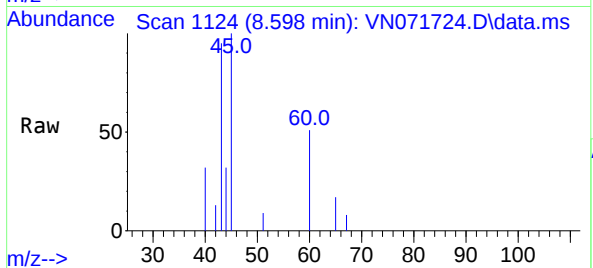




#43
Isopropyl Acetate
Concen: 0.338 ug/l
RT: 8.598 min Scan# 1116
Delta R.T. 0.047 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

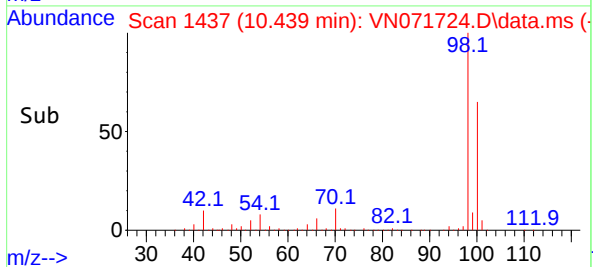
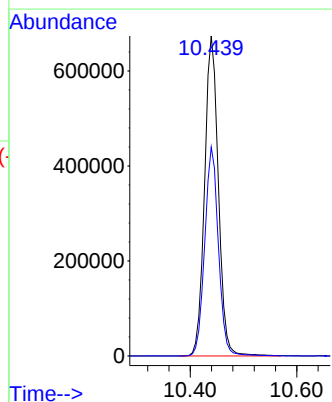
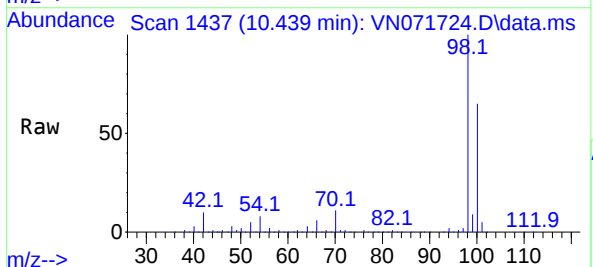
Instrument :
MSVOA_N
ClientSampleId :
MW-46

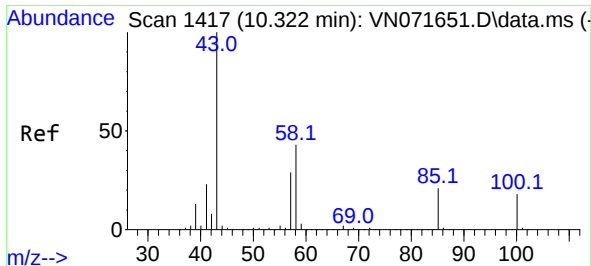
Tgt Ion: 43 Resp: 4891
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.886 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 98 Resp: 1207890
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

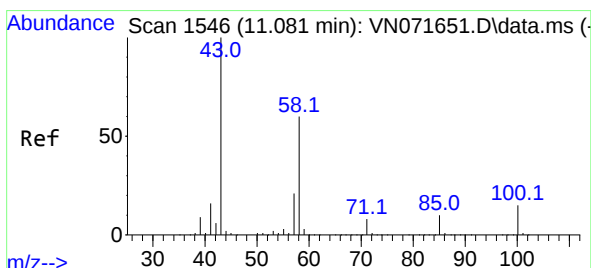
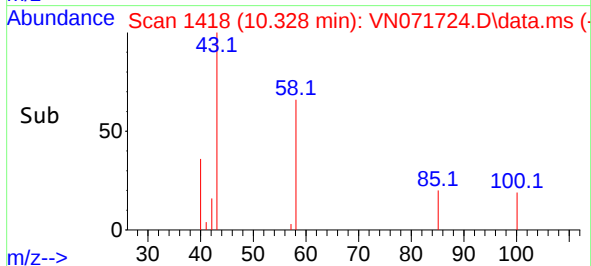
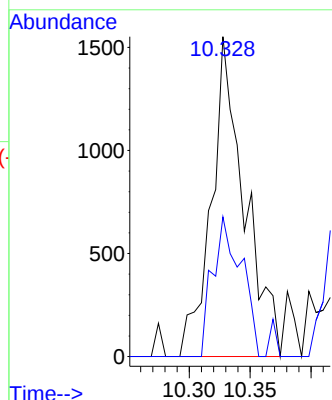
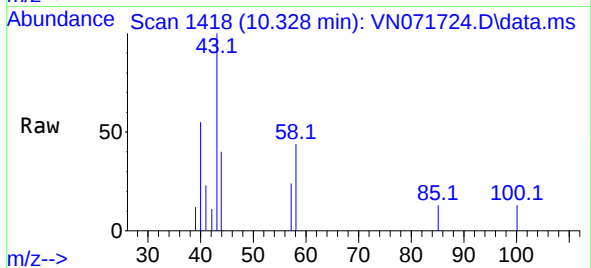




#51
4-Methyl-2-Pentanone
Concen: 0.352 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

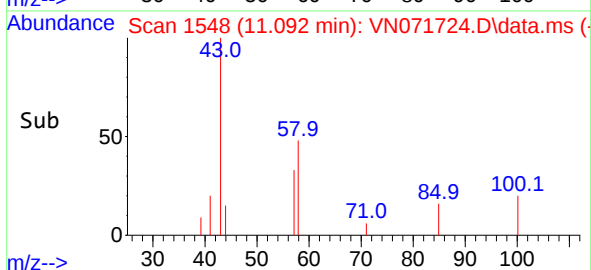
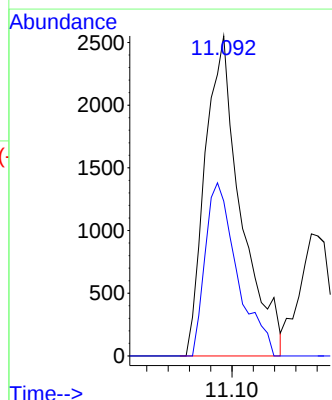
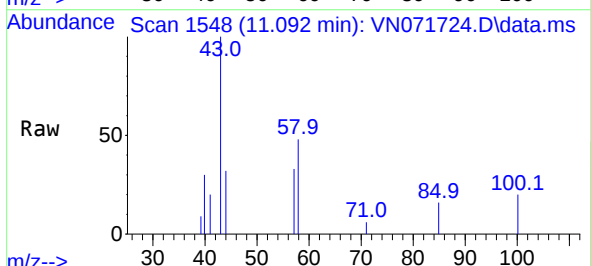
Instrument :
MSVOA_N
ClientSampleId :
MW-46

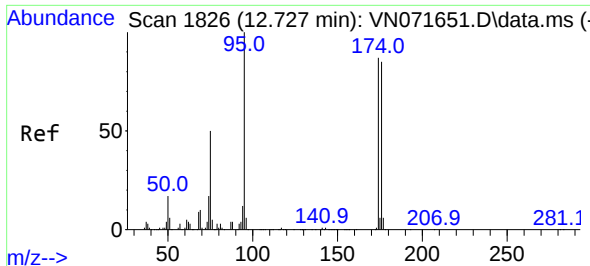
Tgt Ion: 43 Resp: 2925
Ion Ratio Lower Upper
43 100
58 38.0 34.1 51.1



#59
2-Hexanone
Concen: 1.013 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.011 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 43 Resp: 5931
Ion Ratio Lower Upper
43 100
58 48.6 29.7 89.1

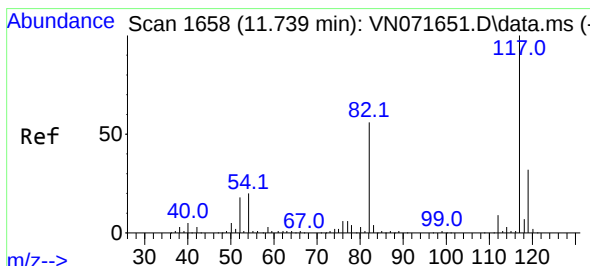
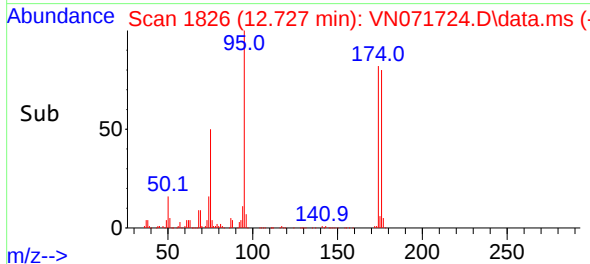
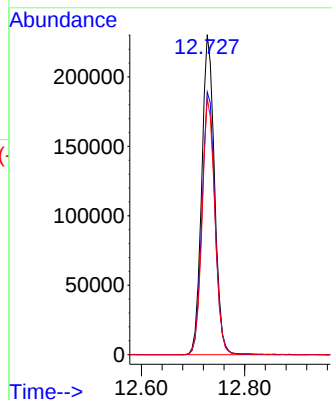
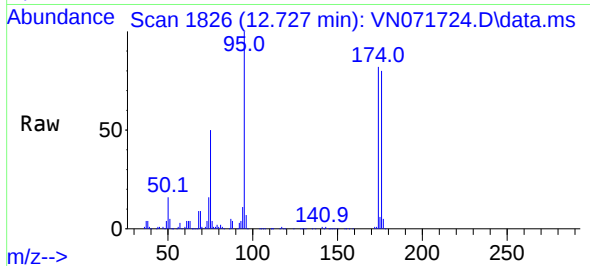




#62
4-Bromofluorobenzene
Concen: 52.438 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

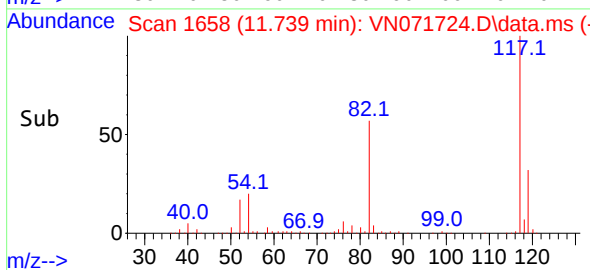
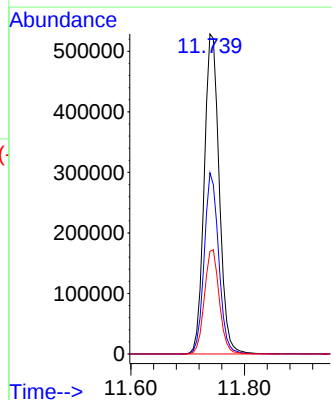
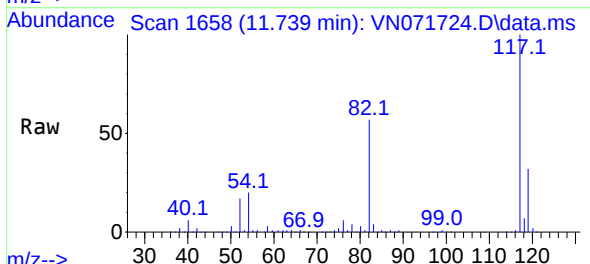
Instrument :
MSVOA_N
ClientSampleId :
MW-46

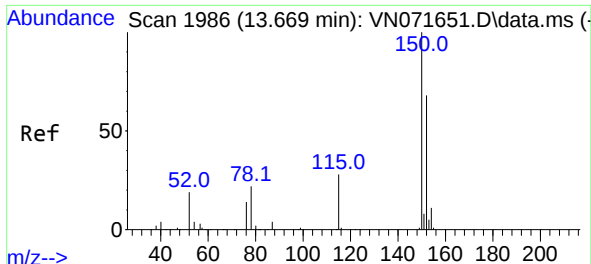
Tgt Ion: 95 Resp: 394808
Ion Ratio Lower Upper
95 100
174 83.5 0.0 167.6
176 79.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 117 Resp: 967748
Ion Ratio Lower Upper
117 100
82 56.6 44.2 66.2
119 32.1 25.4 38.0

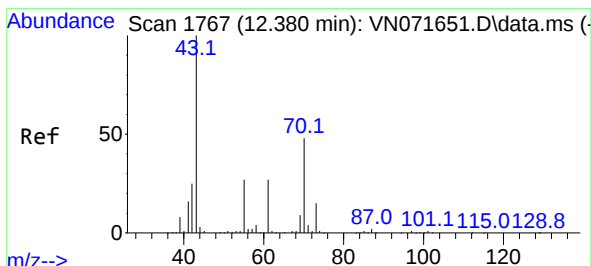
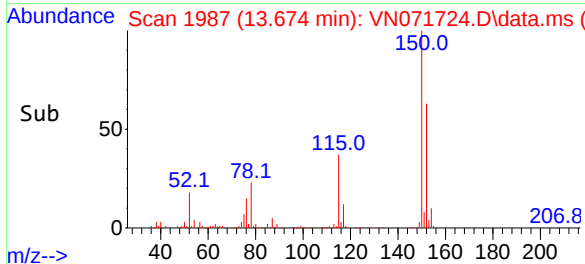
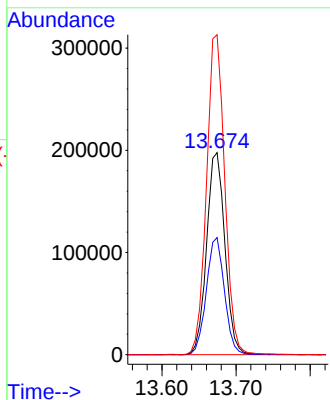
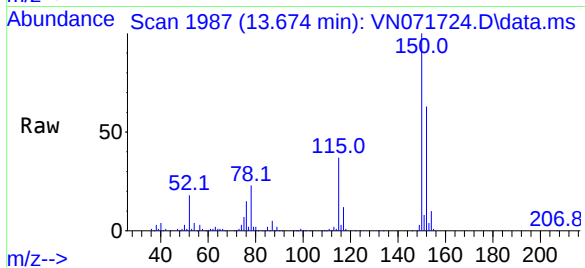




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.005 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

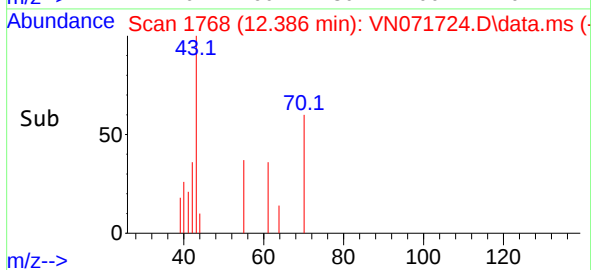
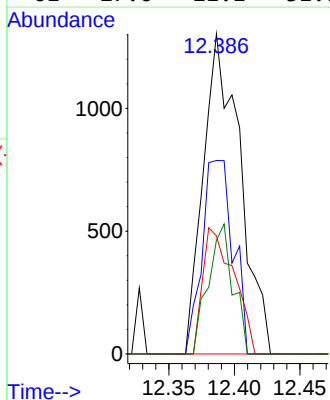
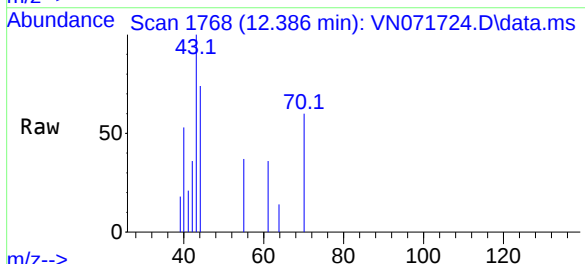
Instrument :
MSVOA_N
ClientSampleId :
MW-46

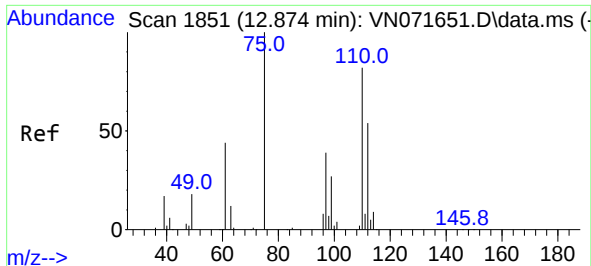
Tgt Ion:152 Resp: 339888
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.7
150 157.6 0.0 356.2



#74
N-ethyl acetate
Concen: 0.309 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 43 Resp: 2533
Ion Ratio Lower Upper
43 100
70 51.4 39.0 58.4
55 33.5 21.1 31.7#
61 27.6 21.1 31.7

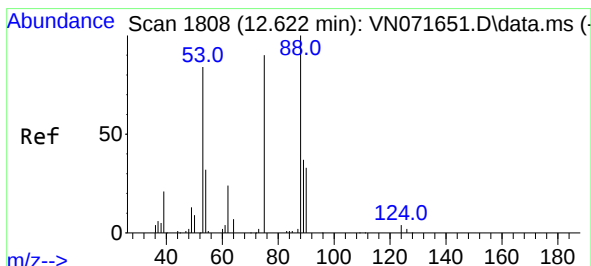
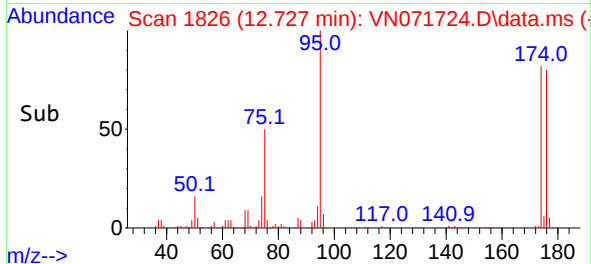
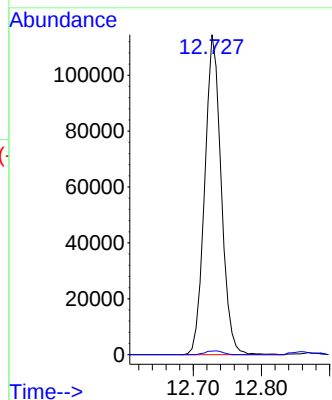
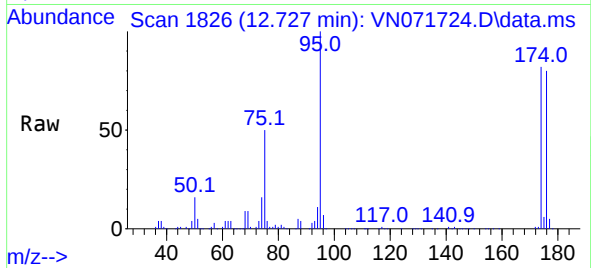




#76
1,2,3-Trichloropropane
Concen: 24.400 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

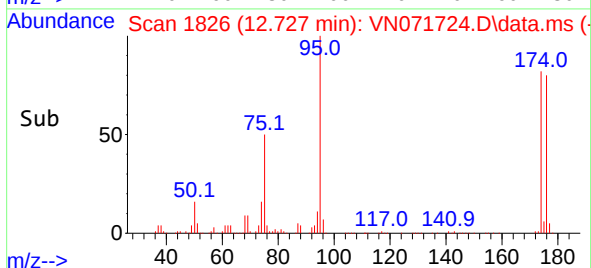
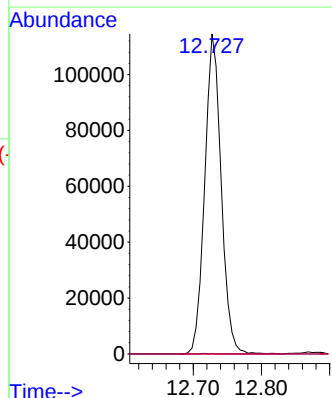
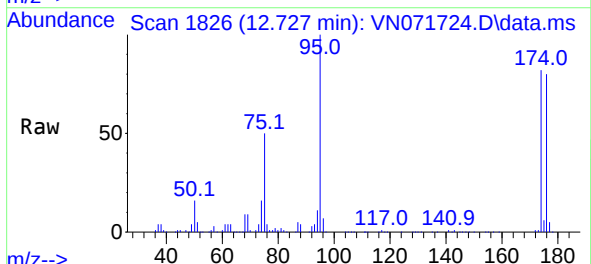
Instrument :
MSVOA_N
ClientSampleId :
MW-46

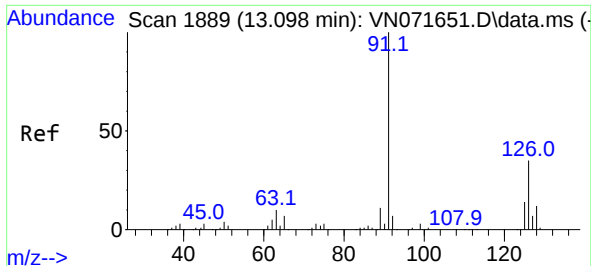
Tgt Ion: 75 Resp: 192122
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.616 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 75 Resp: 192122
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

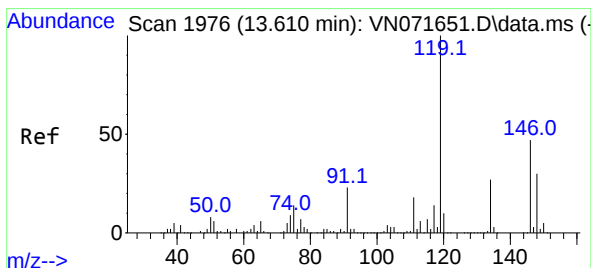
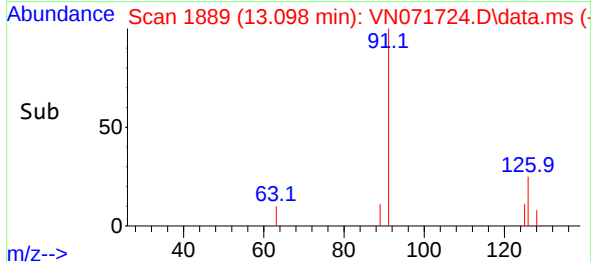
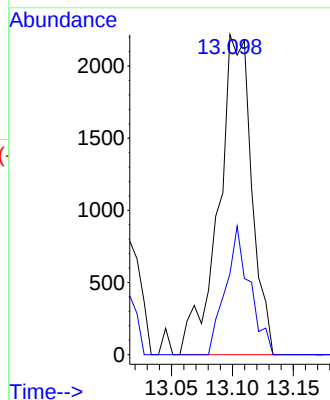
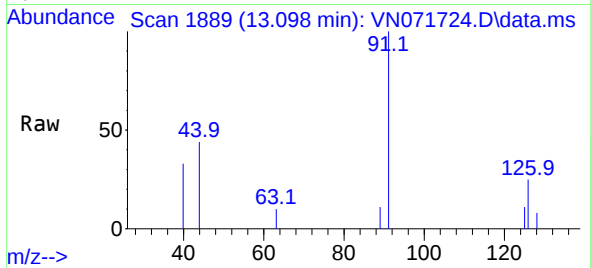




#82
4-Chlorotoluene
Concen: 0.233 ug/l
RT: 13.098 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

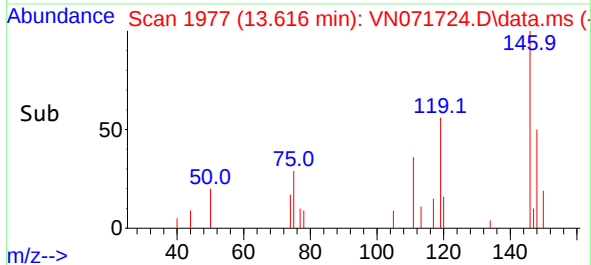
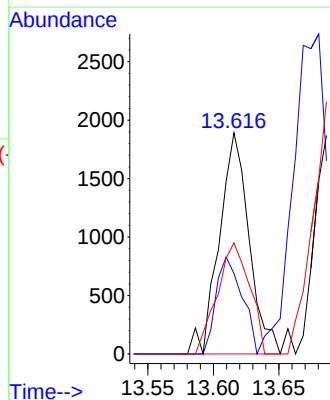
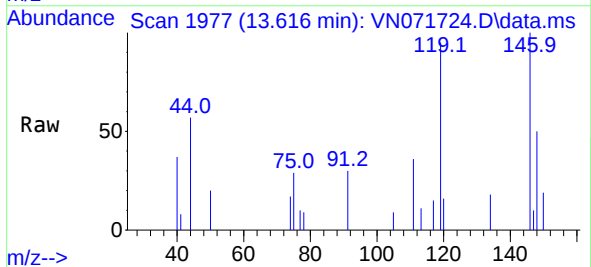
Instrument :
MSVOA_N
ClientSampleId :
MW-46

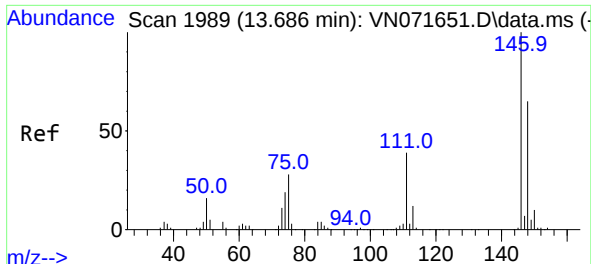
Tgt Ion: 91 Resp: 4179
Ion Ratio Lower Upper
91 100
126 29.3 17.2 51.6



#87
1,3-Dichlorobenzene
Concen: 0.261 ug/l
RT: 13.616 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 146 Resp: 2991
Ion Ratio Lower Upper
146 100
111 38.2 20.0 60.0
148 54.5 32.0 96.0



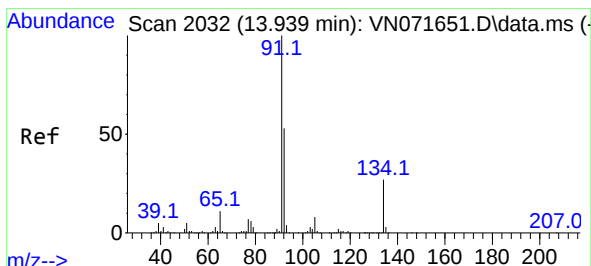
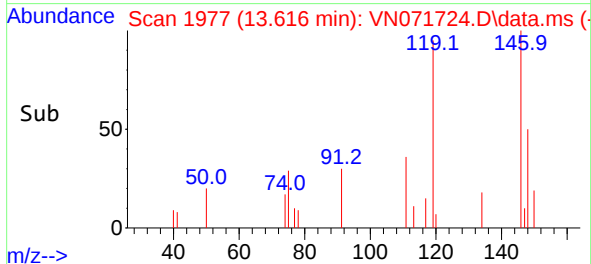
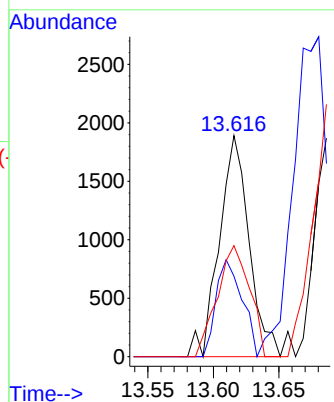
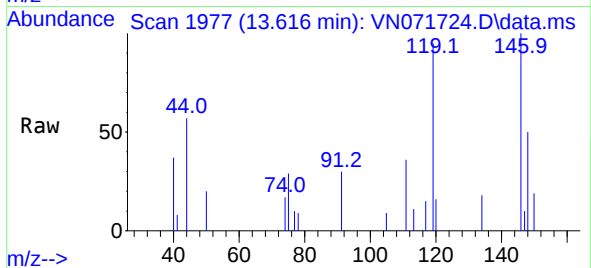


#88
1,4-Dichlorobenzene
Concen: 0.268 ug/l
RT: 13.616 min Scan# 1989
Delta R.T. -0.070 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Instrument :
MSVOA_N
ClientSampleId :
MW-46

Tgt Ion:146 Resp: 2991

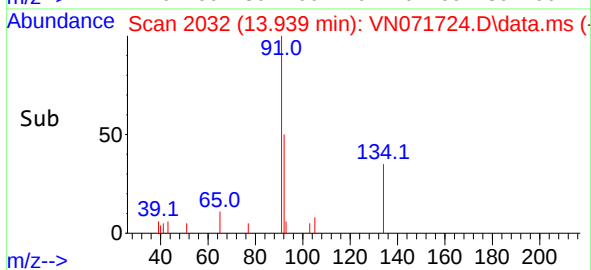
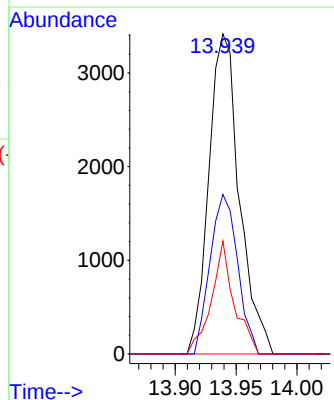
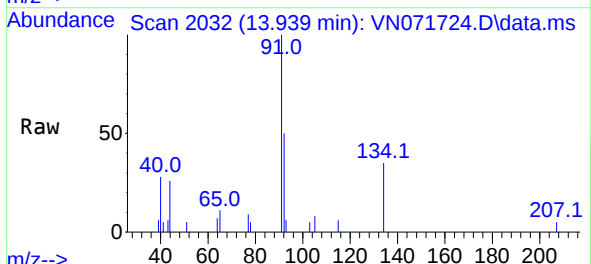
Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	54.5	31.4	94.3

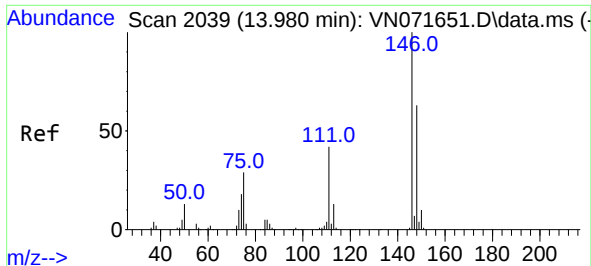


#89
n-Butylbenzene
Concen: 0.375 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 91 Resp: 5965

Ion	Ratio	Lower	Upper
91	100		
92	44.9	26.9	80.7
134	26.2	13.6	40.8

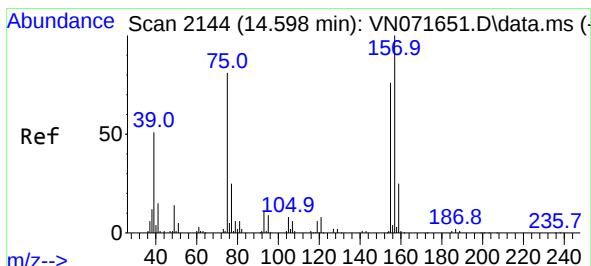
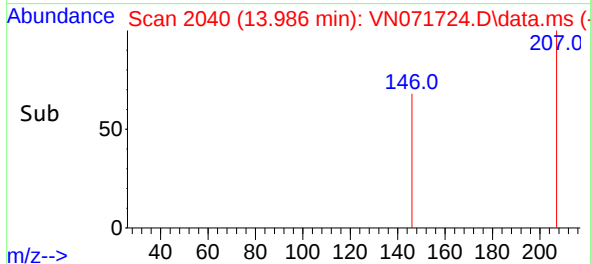
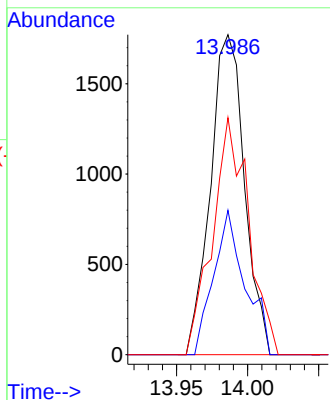
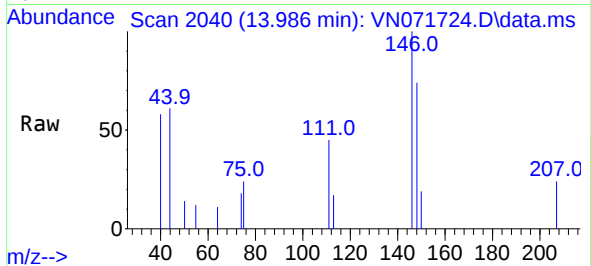




#91
1,2-Dichlorobenzene
Concen: 0.263 ug/l
RT: 13.986 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

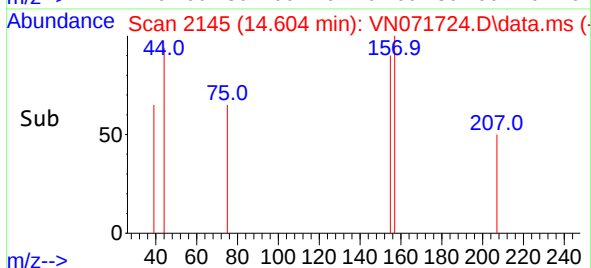
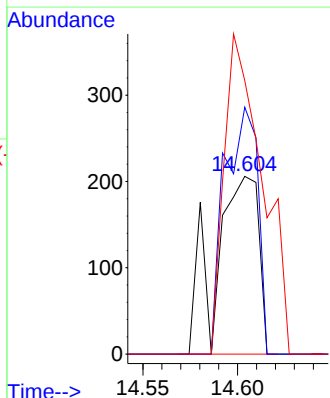
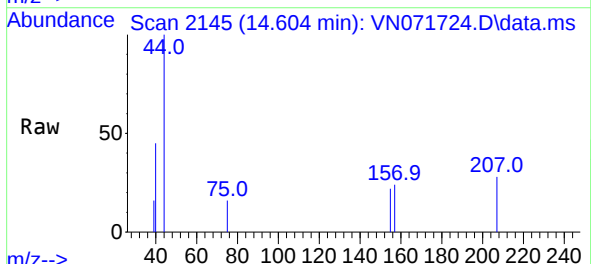
Instrument :
MSVOA_N
ClientSampleId :
MW-46

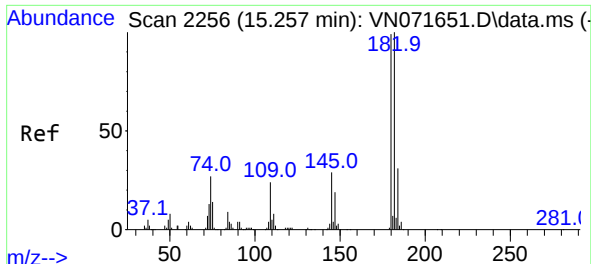
Tgt Ion:146 Resp: 2957
Ion Ratio Lower Upper
146 100
111 41.7 20.9 62.8
148 78.3 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.220 ug/l
RT: 14.604 min Scan# 2145
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion: 75 Resp: 326
Ion Ratio Lower Upper
75 100
155 105.8 44.9 134.5
157 159.8 59.0 176.8

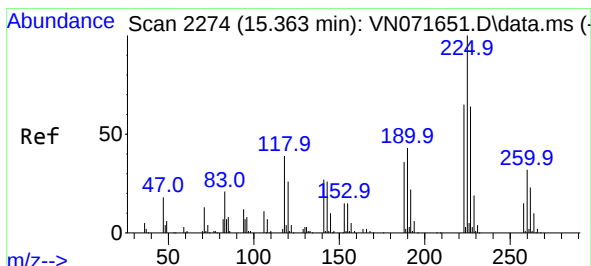
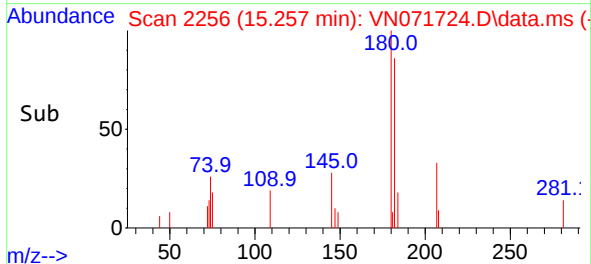
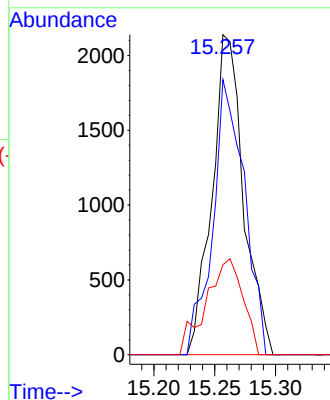
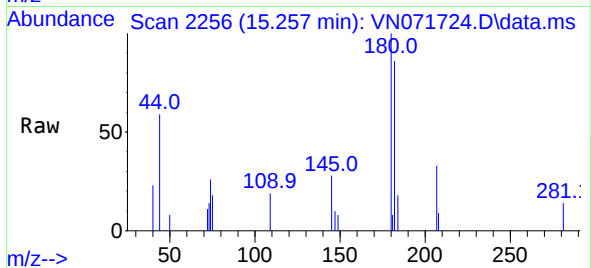




#93
1,2,4-Trichlorobenzene
Concen: 2.770 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

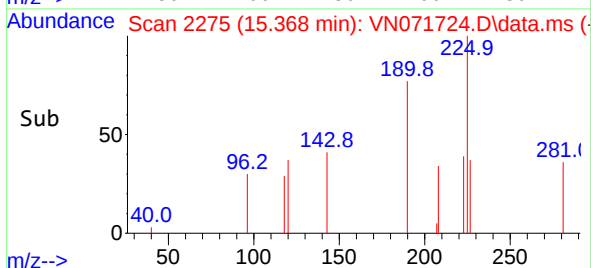
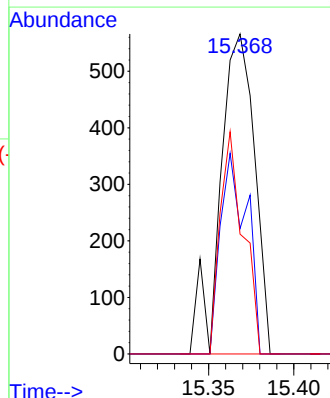
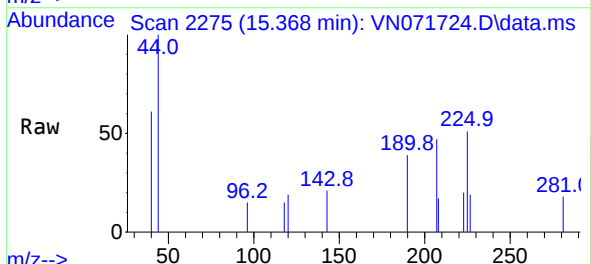
Instrument :
MSVOA_N
ClientSampleId :
MW-46

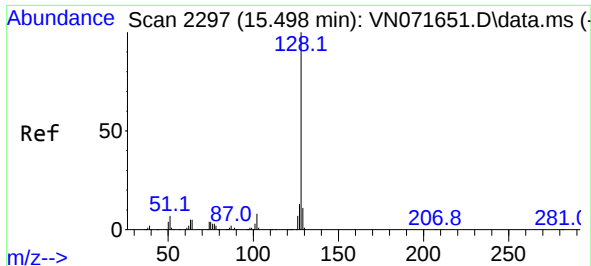
Tgt Ion:	180	Resp:	3861
Ion Ratio	Lower	Upper	
180	100		
182	85.8	47.5	142.5
145	35.1	14.5	43.5



#94
Hexachlorobutadiene
Concen: 0.239 ug/l
RT: 15.368 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion:	225	Resp:	793
Ion Ratio	Lower	Upper	
225	100		
223	48.3	32.4	97.2
227	46.8	31.8	95.4

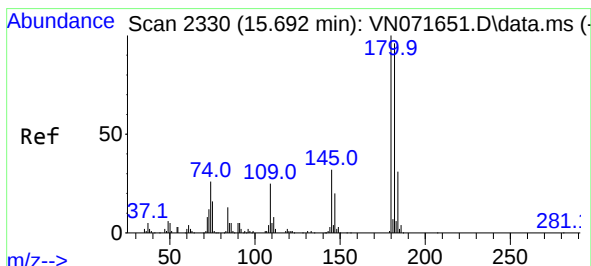
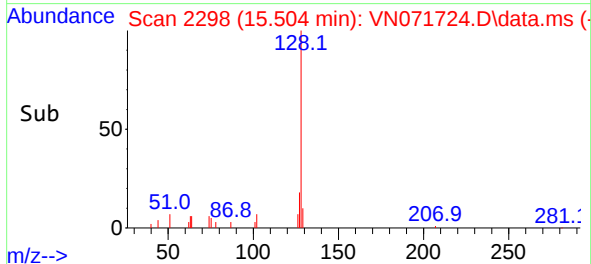
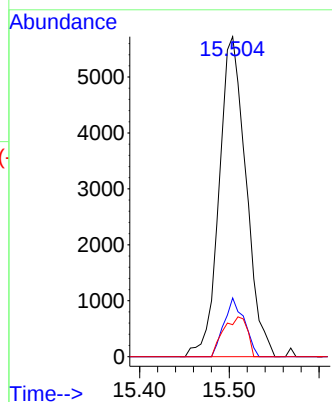
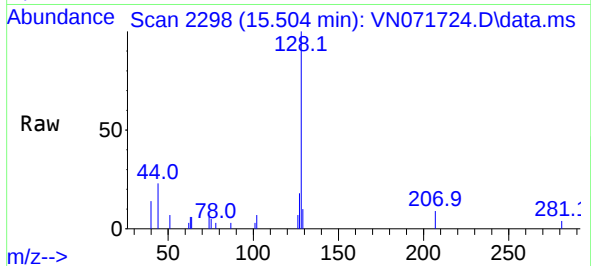




#95
Naphthalene
Concen: 4.512 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Instrument :
MSVOA_N
ClientSampleId :
MW-46

Tgt Ion:	128	Resp:	11879
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	11.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.210 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071724.D
Acq: 01 Apr 2022 00:02

Tgt Ion:	180	Resp:	4384
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.3
145	31.0	15.5	46.5

