

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051922\
 Data File : VN072555.D
 Acq On : 19 May 2022 15:13
 Operator : JC\MD
 Sample : N2800-11DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: May 20 06:53:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

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

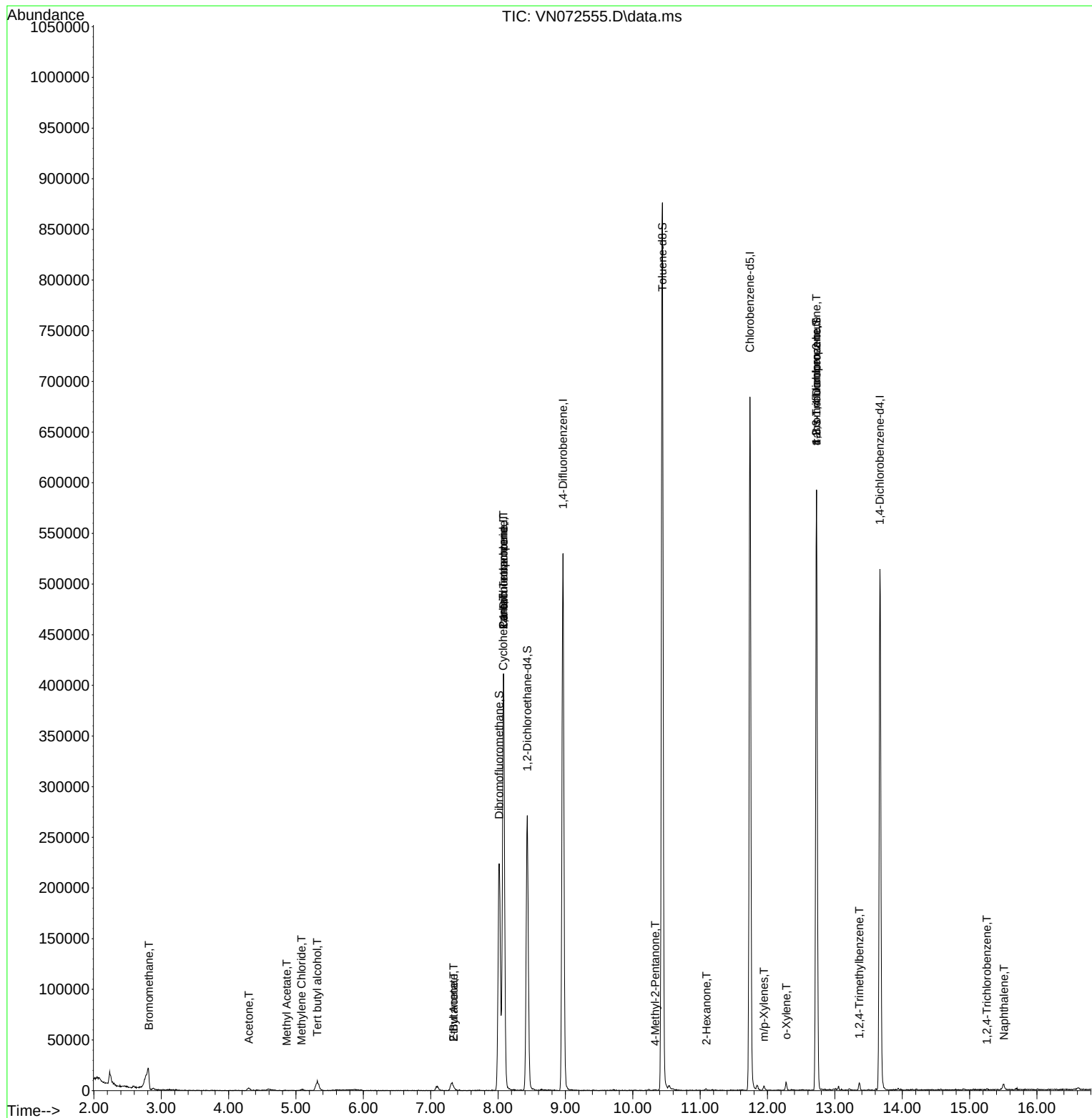
Internal Standards						
1) Pentafluorobenzene	8.081	168	293314	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	439721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	387375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	144570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	247755	54.365	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.720%	
35) Dibromofluoromethane	8.016	113	163826	55.217	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 110.440%	
50) Toluene-d8	10.439	98	593262	52.826	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.660%	
62) 4-Bromofluorobenzene	12.727	95	198513	46.534	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 93.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.816	94	1193	0.513	ug/l	# 72
6) Chloroethane	2.922	64	203	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	8087	19.399	ug/l	# 72
16) Acetone	4.298	43	3133	2.268	ug/l	# 82
18) Methyl Acetate	4.863	43	600	0.435	ug/l	# 48
20) Methylene Chloride	5.081	84	706	0.215	ug/l	# 66
25) 2-Butanone	7.339	43	3922	1.806	ug/l	95
31) Cyclohexane	8.075	56	6724	1.327	ug/l	# 34
36) 1,1-Dichloropropene	8.081	75	24136	5.976	ug/l	# 50
37) Ethyl Acetate	7.339	43	3922	0.884	ug/l	# 82
38) Carbon Tetrachloride	8.081	117	31148	6.230	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.333	43	1000	0.212	ug/l	# 33
59) 2-Hexanone	11.092	43	986	0.301	ug/l	71
68) m/p-Xylenes	11.945	106	1383	0.261	ug/l	75
69) o-Xylene	12.280	106	2144	0.398	ug/l	94
76) 1,2,3-Trichloropropane	12.727	75	110359	25.269	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	110359	105.346	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.363	105	5077	0.511	ug/l	84
93) 1,2,4-Trichlorobenzene	15.257	180	471	0.214	ug/l	# 76
95) Naphthalene	15.509	128	6454	1.013	ug/l	# 90

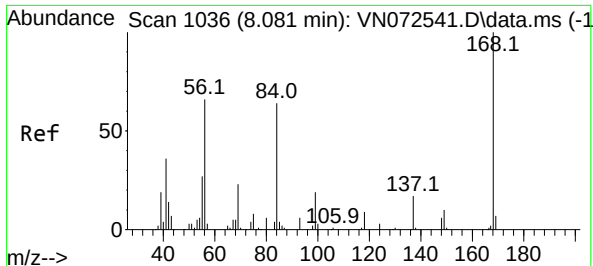
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 19 02:22:47 2022
Response via : Initial Calibration

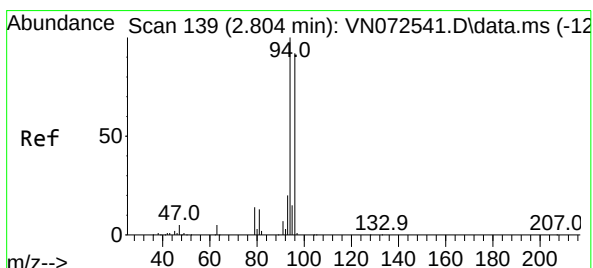
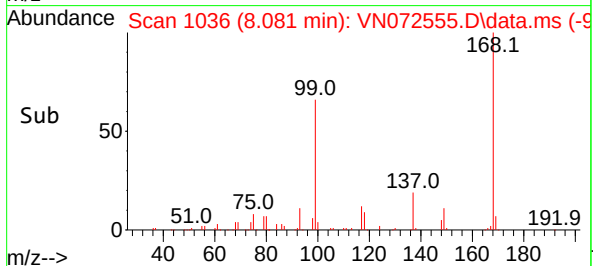
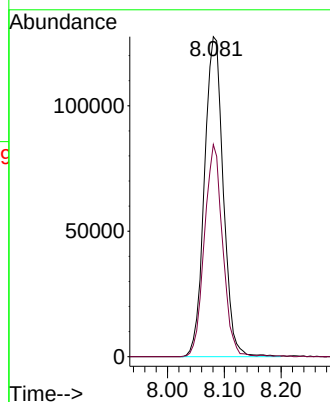
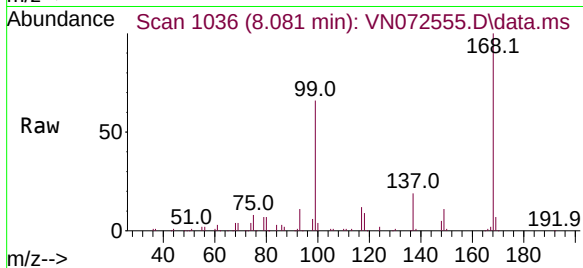




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

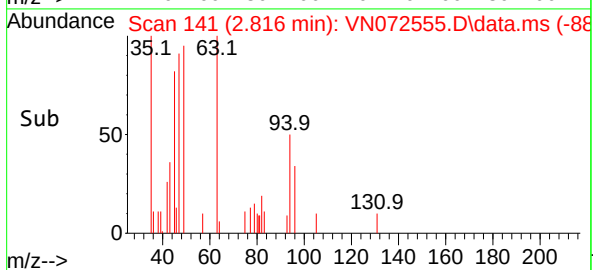
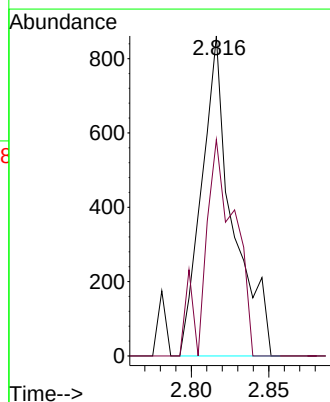
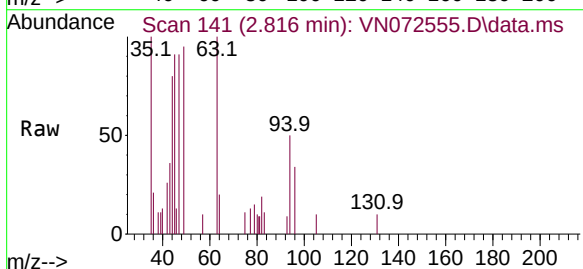
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

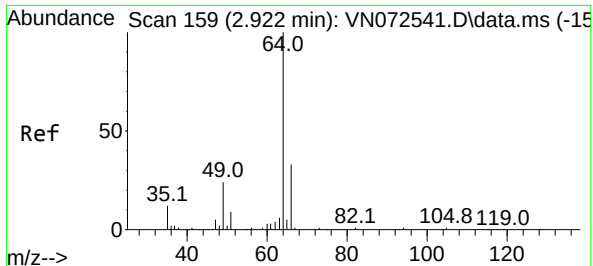
Tgt Ion:168 Resp: 293314
Ion Ratio Lower Upper
168 100
99 66.3 42.3 63.5#



#5
Bromomethane
Concen: 0.513 ug/l
RT: 2.816 min Scan# 141
Delta R.T. 0.012 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Tgt Ion: 94 Resp: 1193
Ion Ratio Lower Upper
94 100
96 67.6 76.0 114.0#

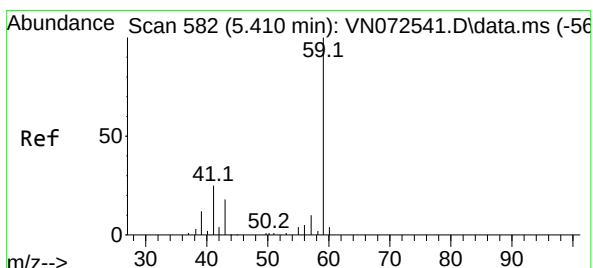
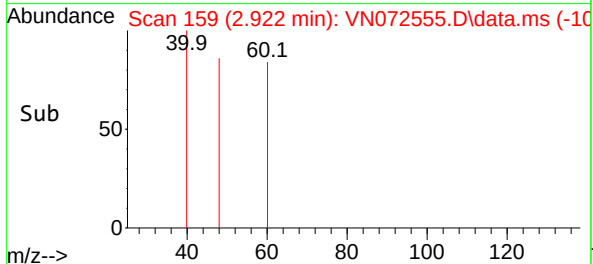
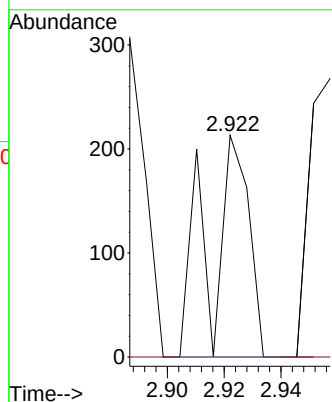
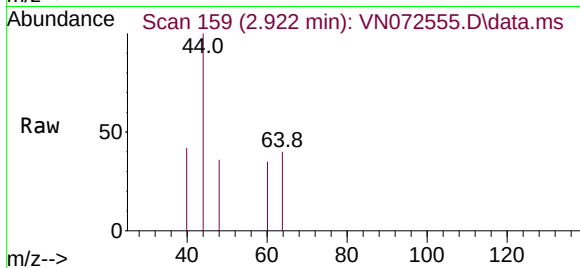




#6
Chloroethane
Concen: Below Cal
RT: 2.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

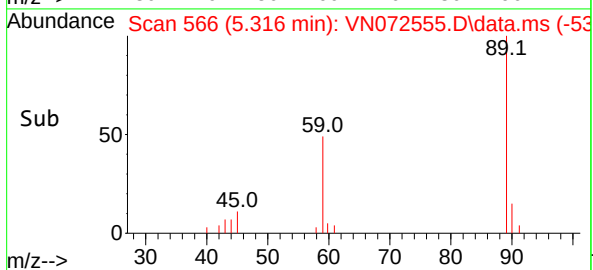
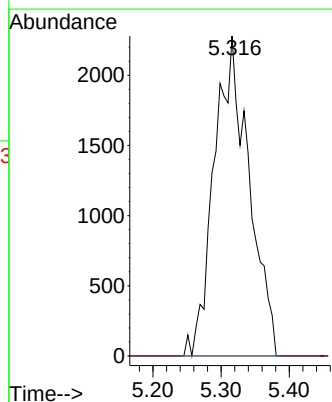
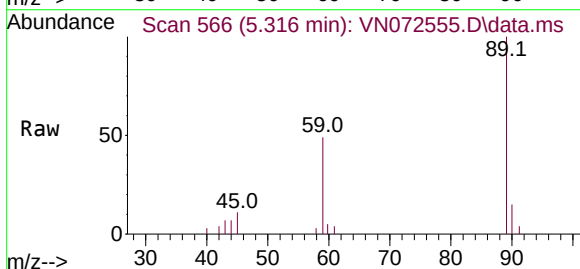
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

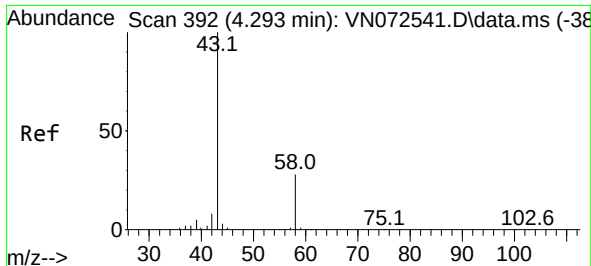
Tgt Ion: 64 Resp: 203
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 19.399 ug/l
RT: 5.316 min Scan# 566
Delta R.T. -0.094 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Tgt Ion: 59 Resp: 8087
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 2.268 ug/l

RT: 4.298 min Scan# 392

Delta R.T. 0.005 min

Lab File: VN072555.D

Acq: 19 May 2022 15:13

Instrument :

MSVOA_N

ClientSampleId :

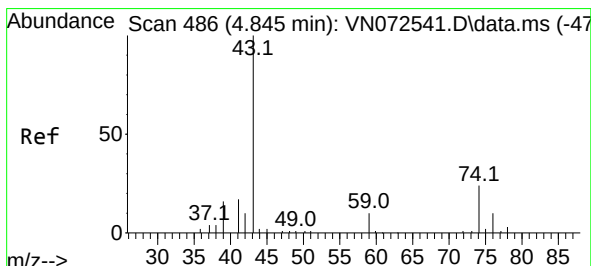
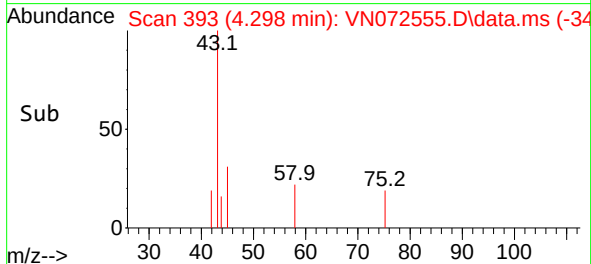
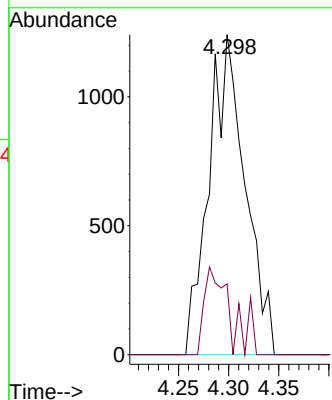
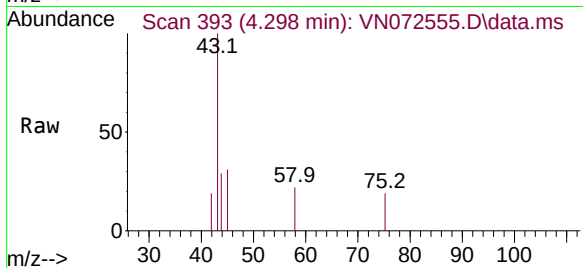
VIBLK

Tgt Ion: 43 Resp: 3133

Ion Ratio Lower Upper

43 100

58 22.2 26.0 39.0#



#18

Methyl Acetate

Concen: 0.435 ug/l

RT: 4.863 min Scan# 489

Delta R.T. 0.018 min

Lab File: VN072555.D

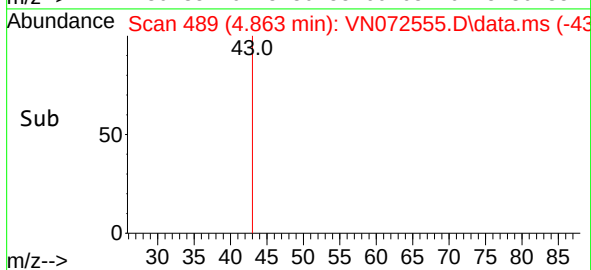
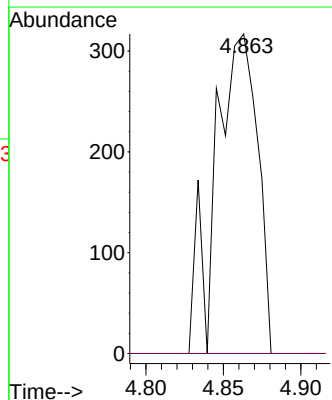
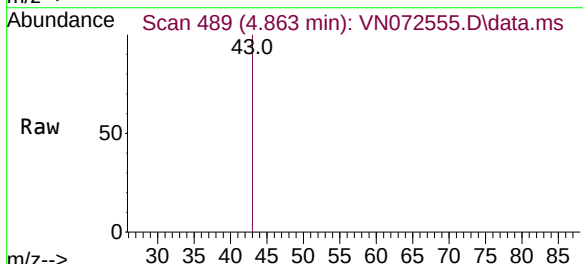
Acq: 19 May 2022 15:13

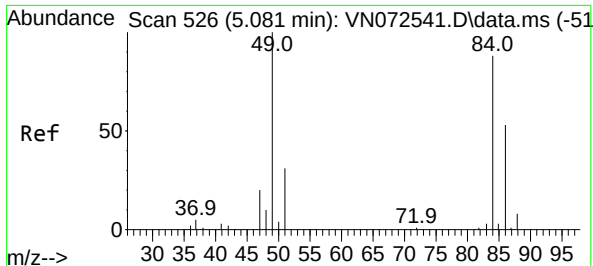
Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



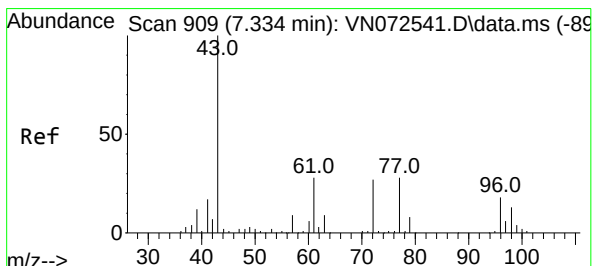
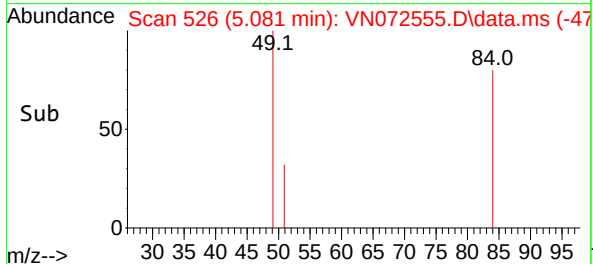
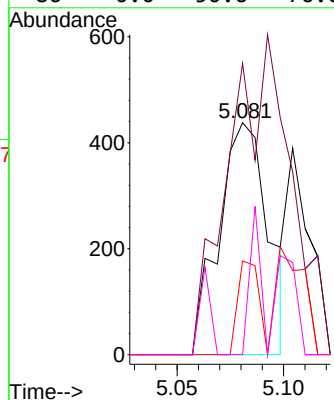
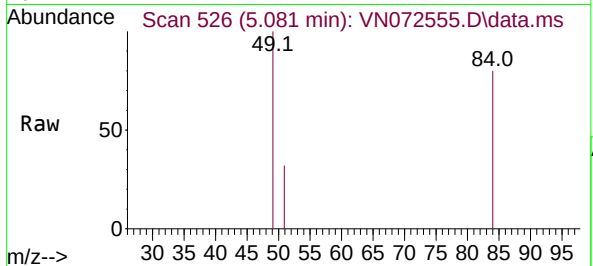


#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 5.081 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 706

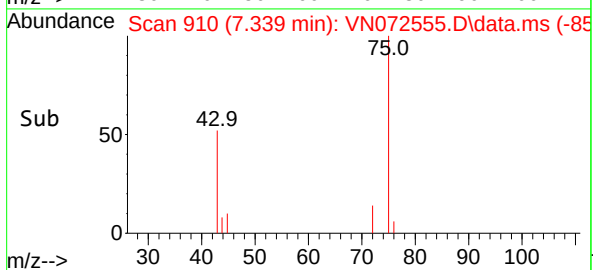
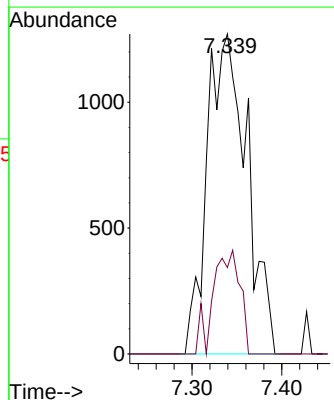
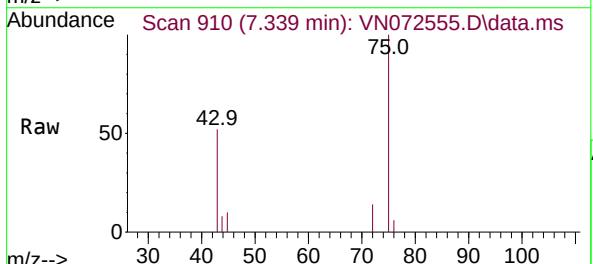
Ion	Ratio	Lower	Upper
84	100		
49	125.6	88.3	132.5
51	40.4	28.2	42.2
86	0.0	50.6	76.0

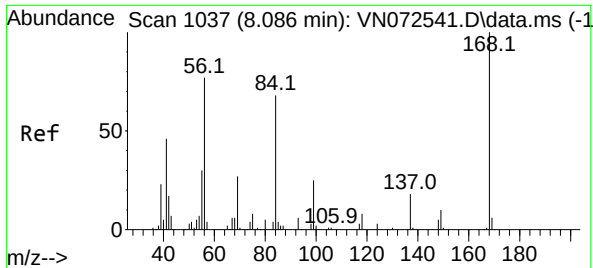


#25
2-Butanone
Concen: 1.806 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.005 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Tgt Ion: 43 Resp: 3922

Ion	Ratio	Lower	Upper
43	100		
72	27.0	23.7	35.5

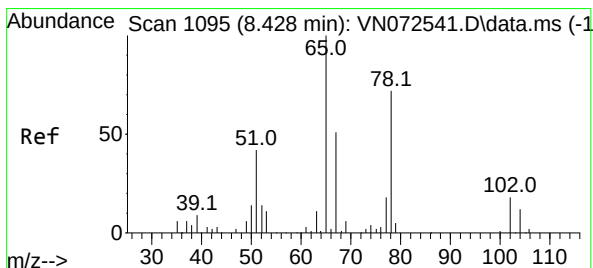
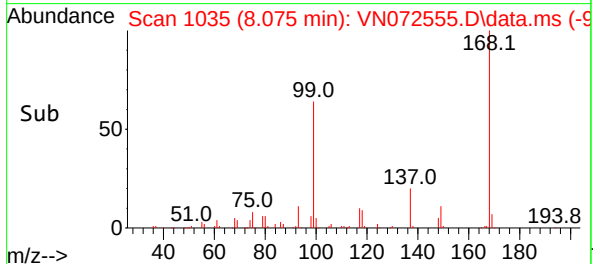
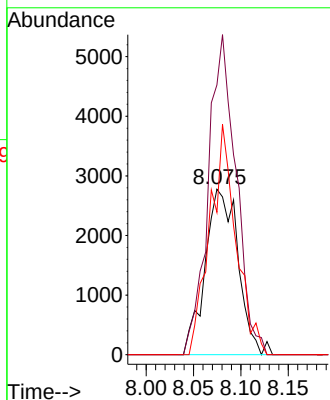
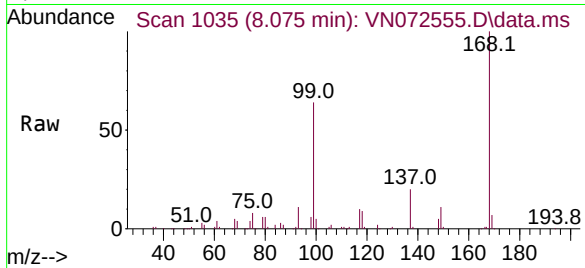




#31
Cyclohexane
Concen: 1.327 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.011 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

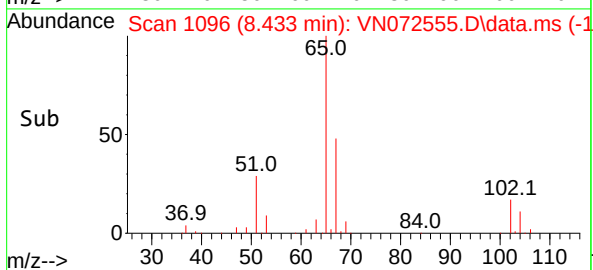
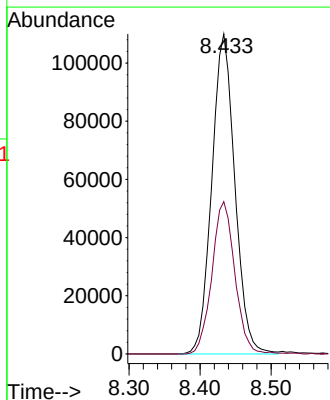
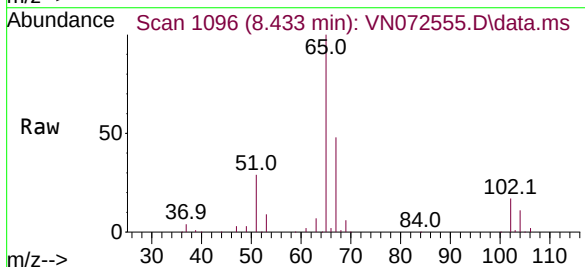
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

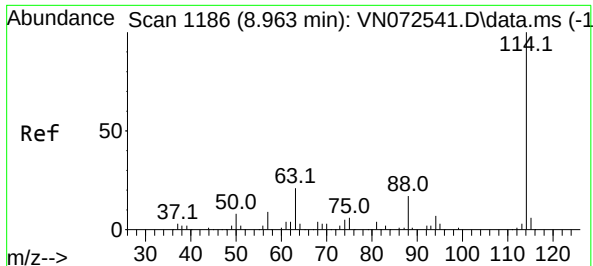
Tgt Ion: 56 Resp: 6724
Ion Ratio Lower Upper
56 100
69 163.0 27.8 41.8#
84 86.0 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 54.365 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.005 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Tgt Ion: 65 Resp: 247755
Ion Ratio Lower Upper
65 100
67 47.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072555.D

Acq: 19 May 2022 15:13

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

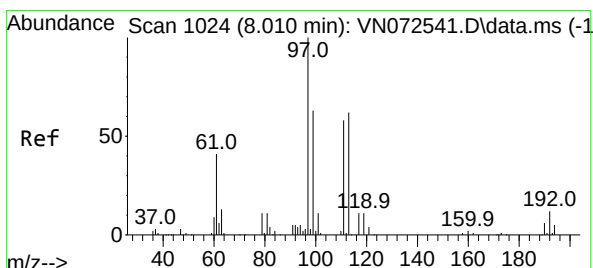
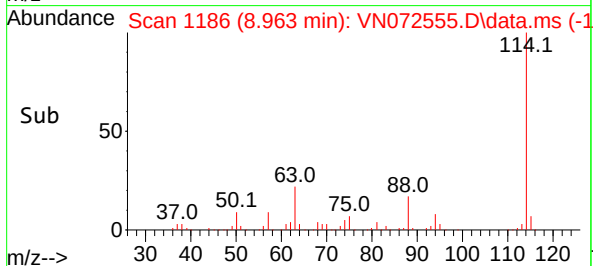
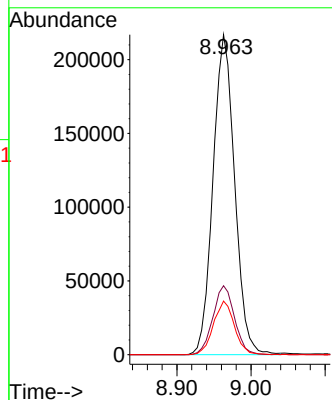
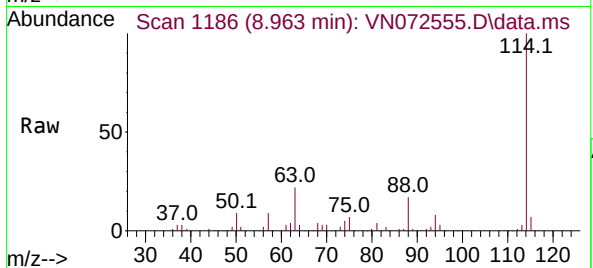
Tgt Ion:114 Resp: 439721

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 55.217 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.006 min

Lab File: VN072555.D

Acq: 19 May 2022 15:13

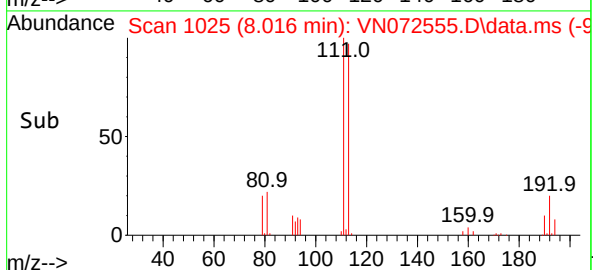
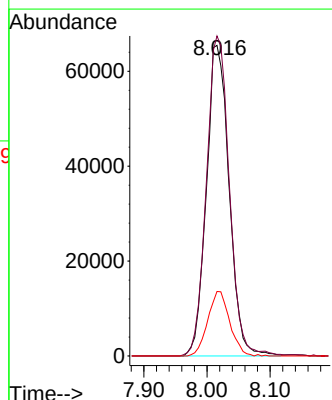
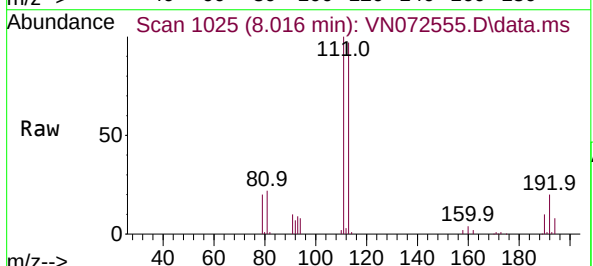
Tgt Ion:113 Resp: 163826

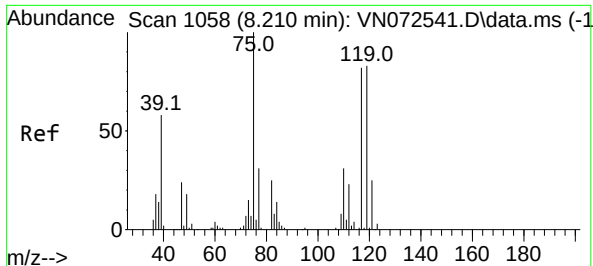
Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 20.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.976 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN072555.D

Acq: 19 May 2022 15:13

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

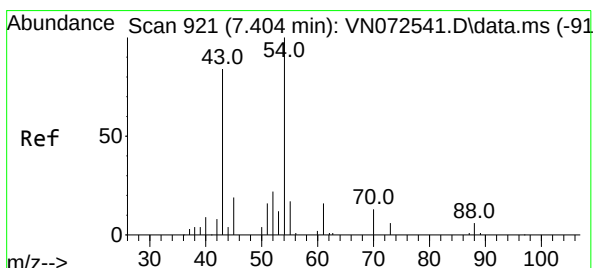
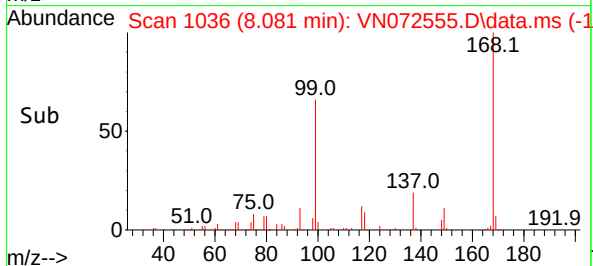
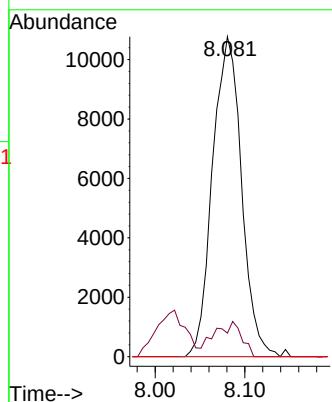
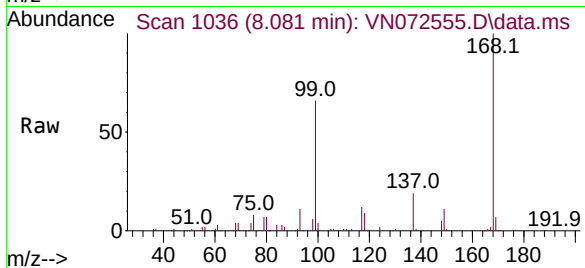
Tgt Ion: 75 Resp: 24136

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.884 ug/l

RT: 7.339 min Scan# 910

Delta R.T. -0.065 min

Lab File: VN072555.D

Acq: 19 May 2022 15:13

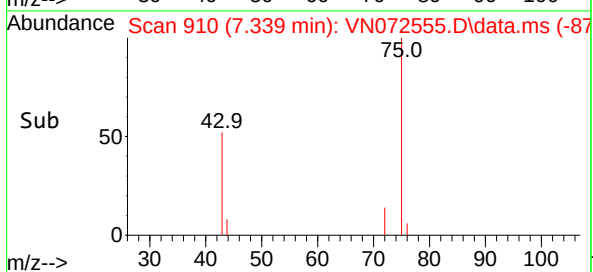
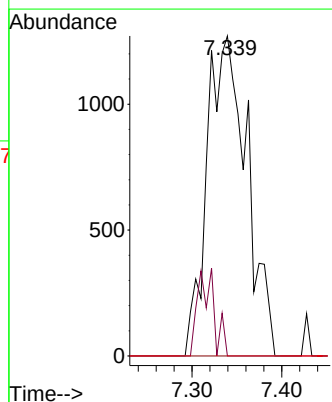
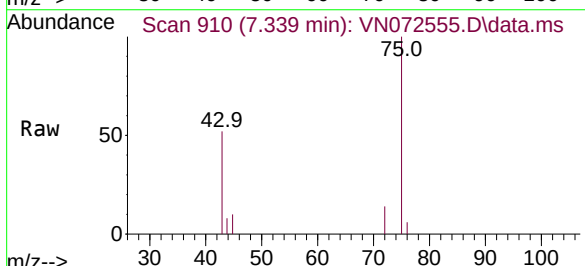
Tgt Ion: 43 Resp: 3922

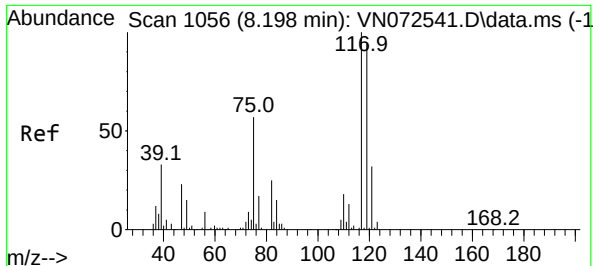
Ion Ratio Lower Upper

43 100

61 11.1 11.8 17.6#

70 0.0 9.3 13.9#

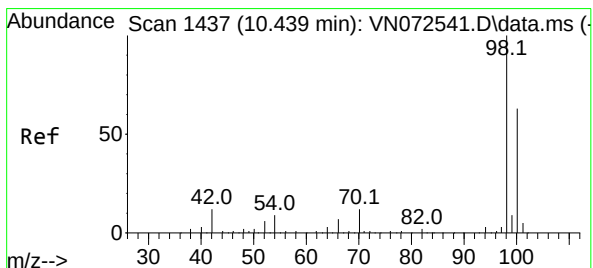
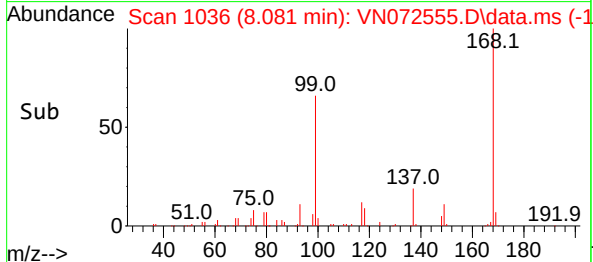
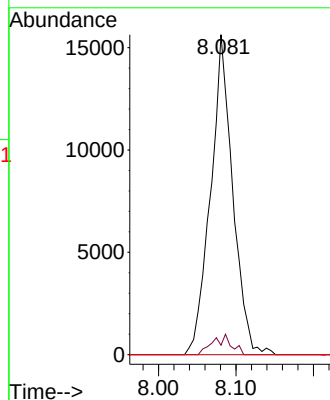
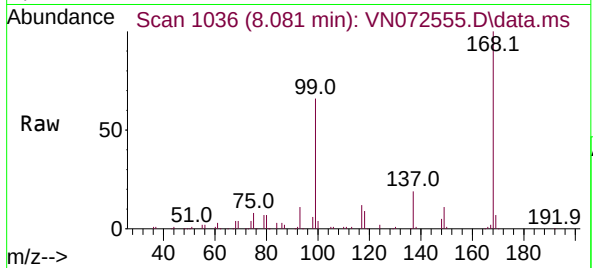




#38
Carbon Tetrachloride
Concen: 6.230 ug/l
RT: 8.081 min Scan# 1056
Delta R.T. -0.117 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

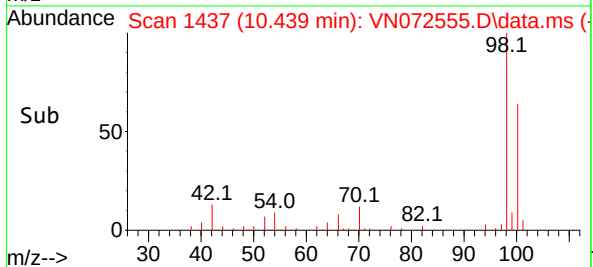
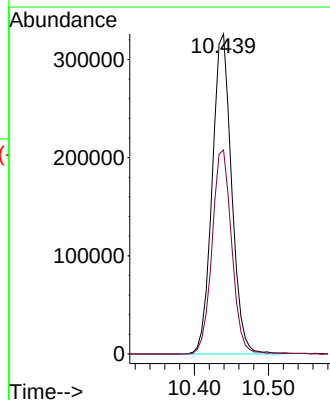
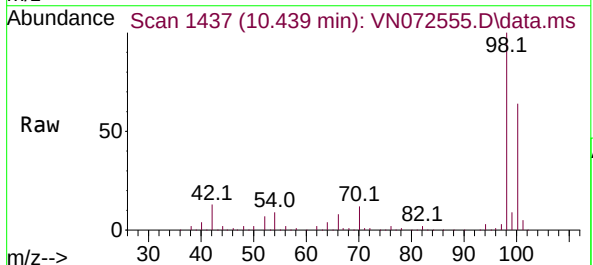
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

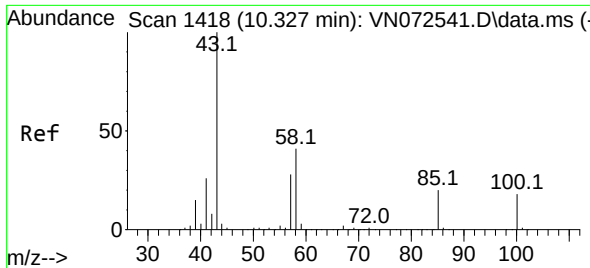
Tgt Ion:117 Resp: 31148
Ion Ratio Lower Upper
117 100
119 3.0 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 52.826 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Tgt Ion: 98 Resp: 593262
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8

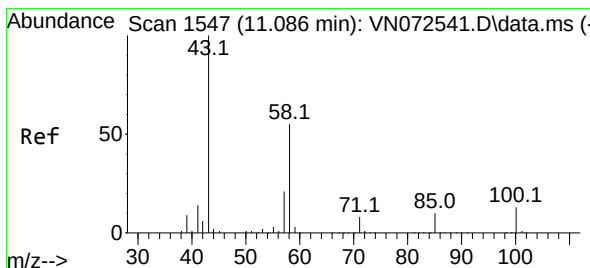
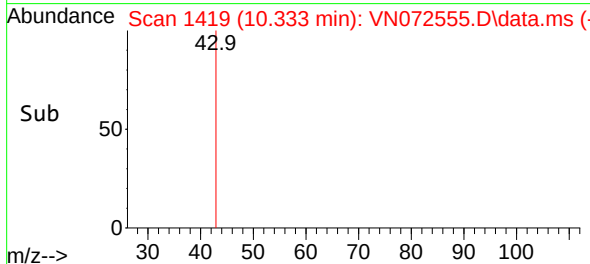
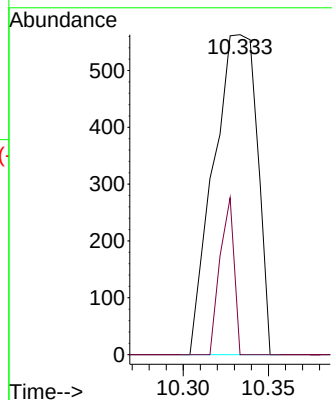
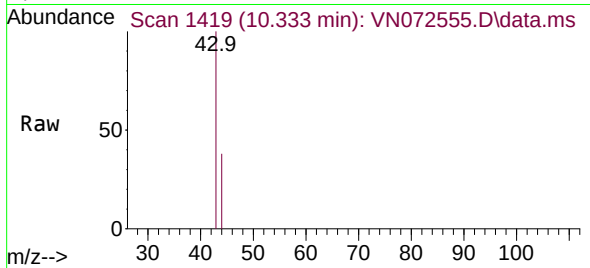




#51
4-Methyl-2-Pentanone
Concen: 0.212 ug/l
RT: 10.333 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

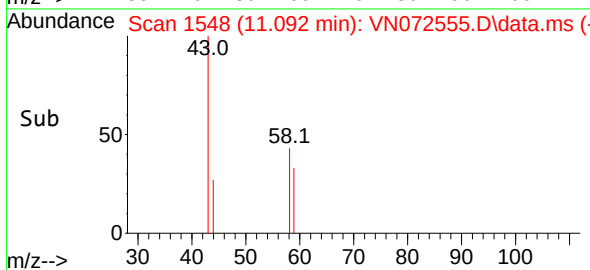
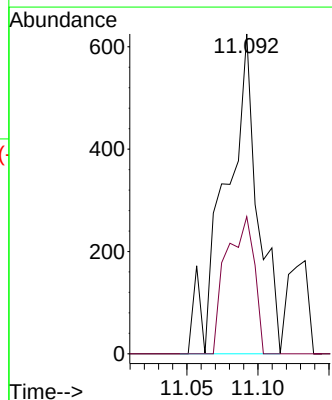
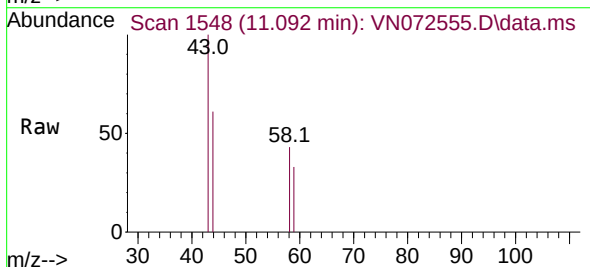
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

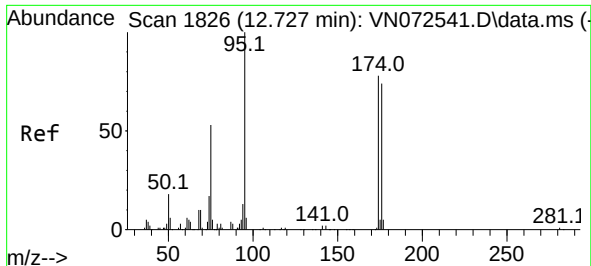
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 0.0 34.1 51.1#



#59
2-Hexanone
Concen: 0.301 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.006 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
58 37.3 29.7 89.1

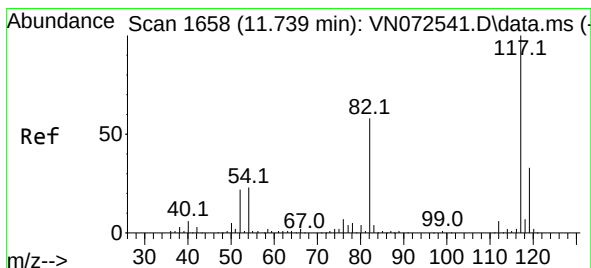
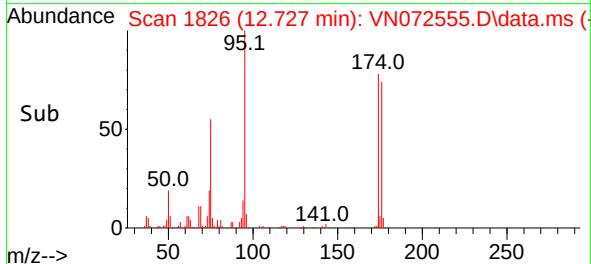
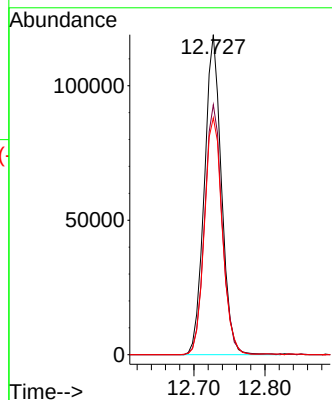
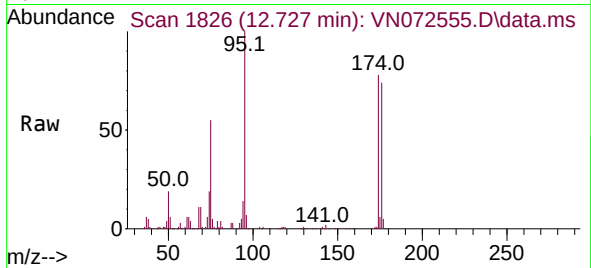




#62
4-Bromofluorobenzene
Concen: 46.534 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

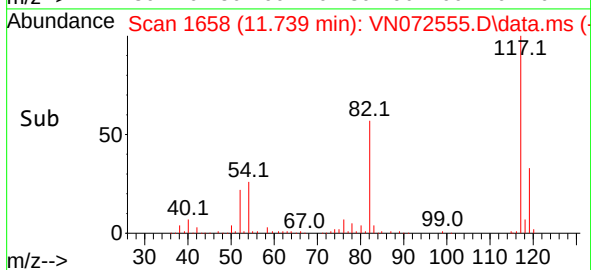
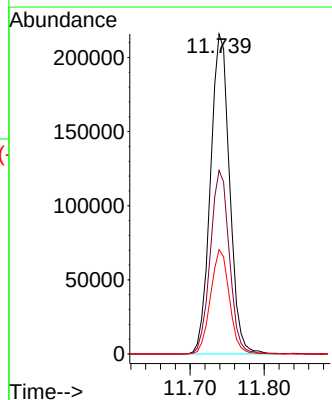
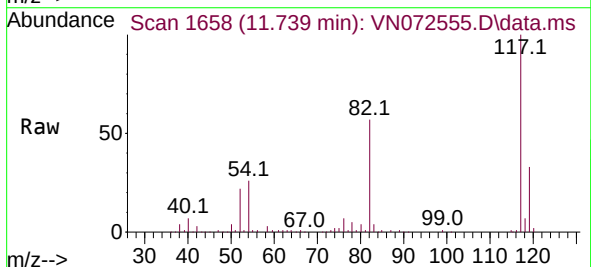
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

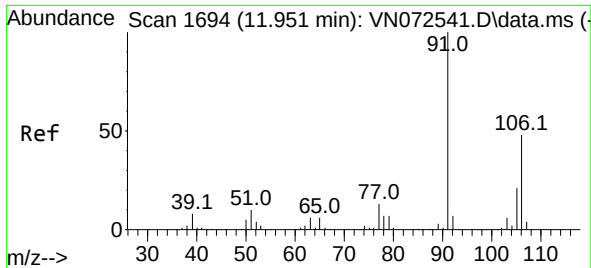
Tgt Ion: 95 Resp: 198513
Ion Ratio Lower Upper
95 100
174 80.2 0.0 167.6
176 77.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Tgt Ion: 117 Resp: 387375
Ion Ratio Lower Upper
117 100
82 57.4 44.2 66.2
119 32.6 25.4 38.0

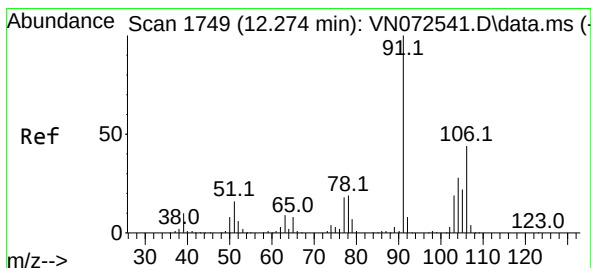
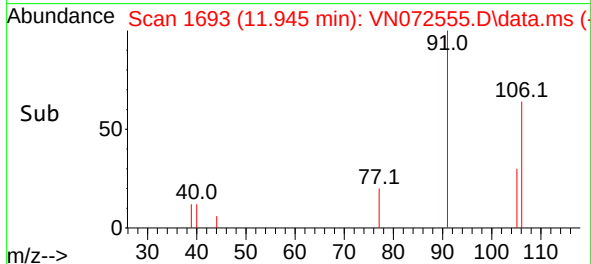
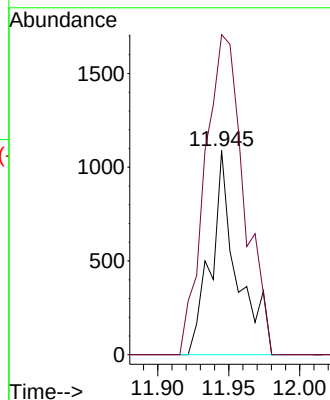
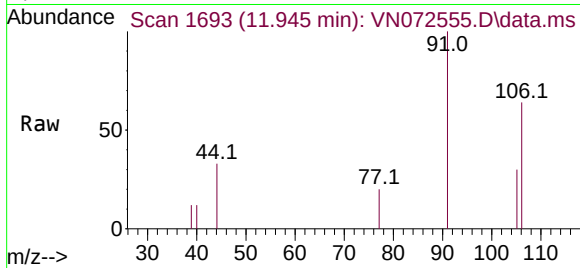




#68
m/p-Xylenes
Concen: 0.261 ug/l
RT: 11.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

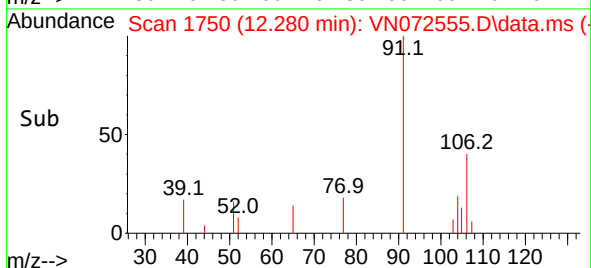
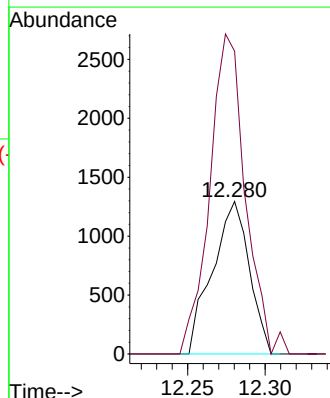
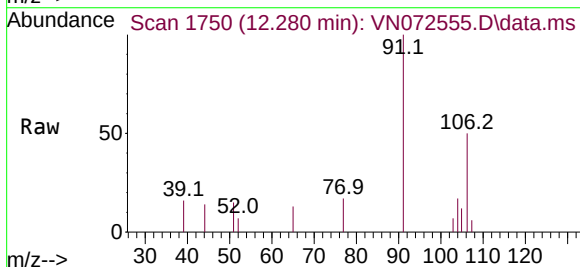
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

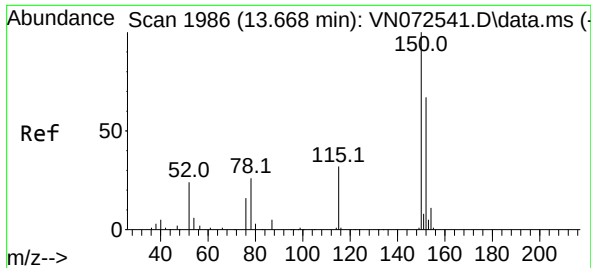
Tgt Ion:106 Resp: 1383
Ion Ratio Lower Upper
106 100
91 235.9 158.9 238.3



#69
o-Xylene
Concen: 0.398 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Tgt Ion:106 Resp: 2144
Ion Ratio Lower Upper
106 100
91 202.9 106.0 318.0

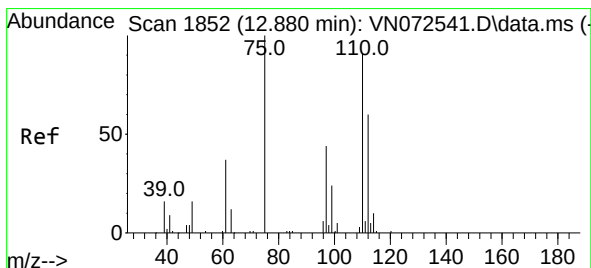
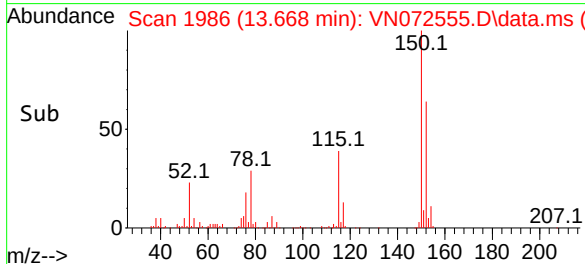
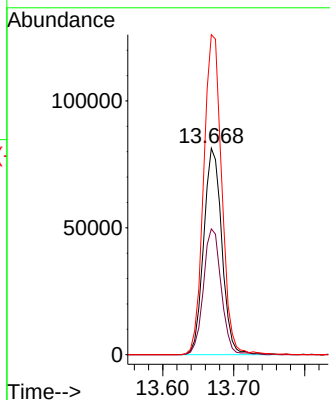
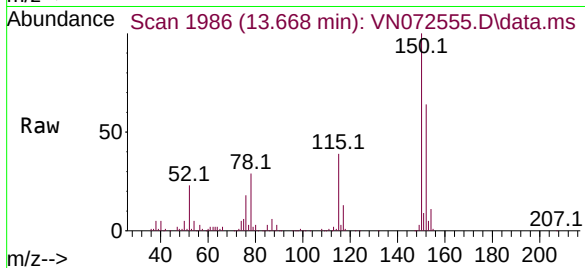




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN072555.D
 Acq: 19 May 2022 15:13

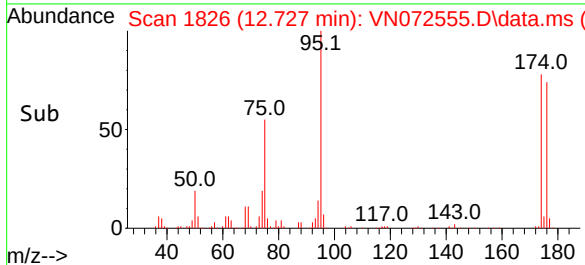
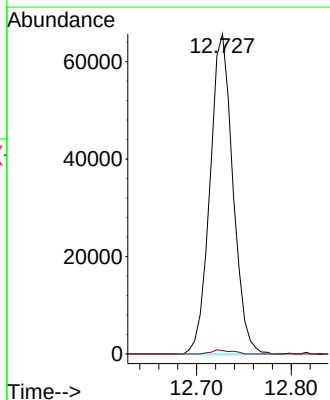
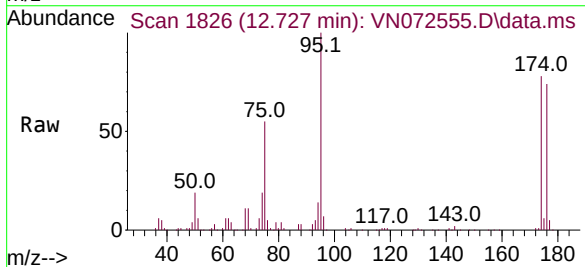
Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

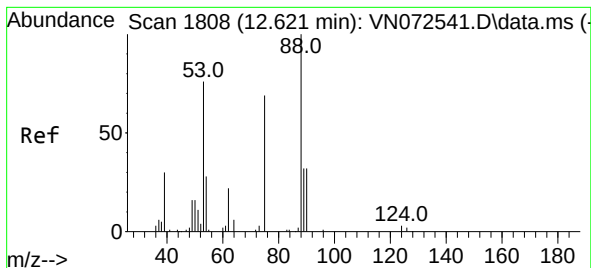
Tgt Ion:152 Resp: 144570
 Ion Ratio Lower Upper
 152 100
 115 59.9 28.9 86.7
 150 154.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.269 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.153 min
 Lab File: VN072555.D
 Acq: 19 May 2022 15:13

Tgt Ion: 75 Resp: 110359
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.5 295.5#

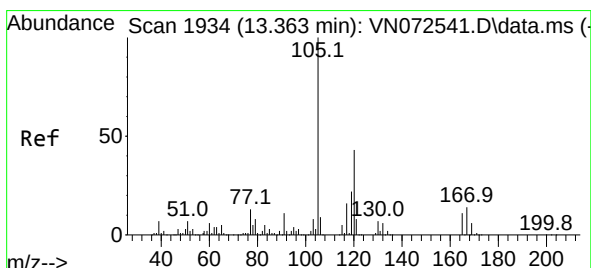
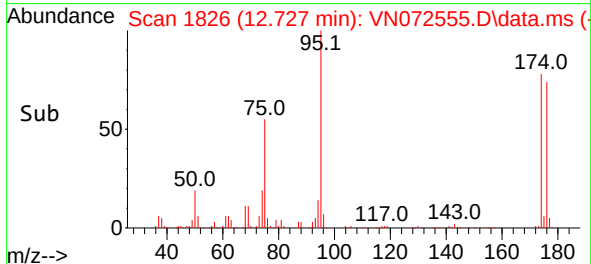
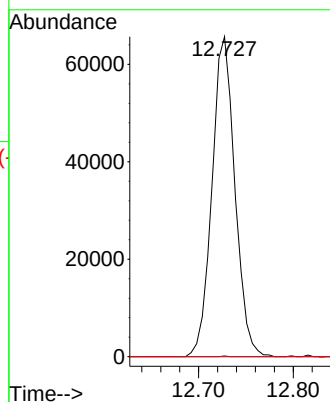
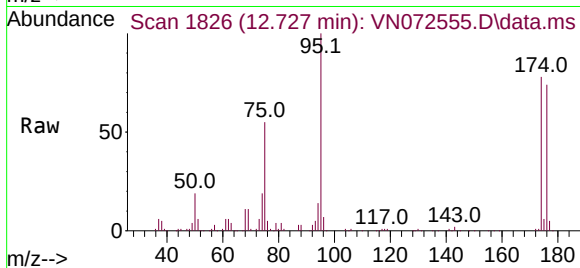




#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.346 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.106 min
 Lab File: VN072555.D
 Acq: 19 May 2022 15:13

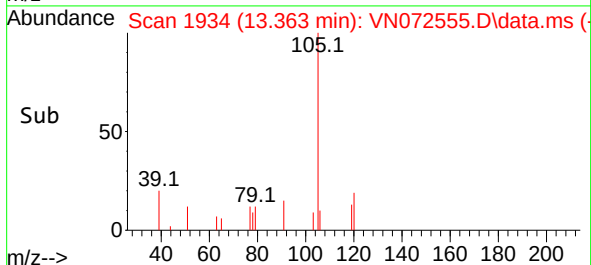
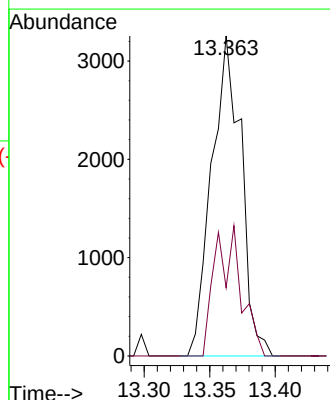
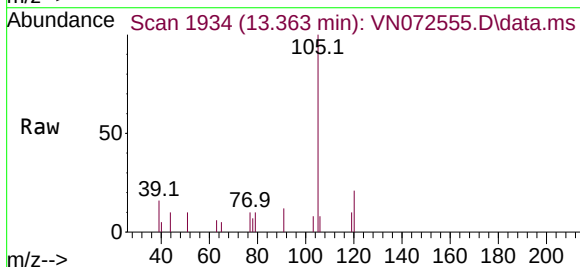
Instrument :
 MSVOA_N
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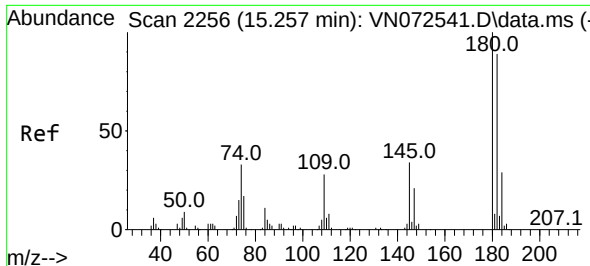
Tgt Ion: 75 Resp: 110359
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.511 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: VN072555.D
 Acq: 19 May 2022 15:13

Tgt Ion:105 Resp: 5077
 Ion Ratio Lower Upper
 105 100
 120 35.9 23.3 69.8

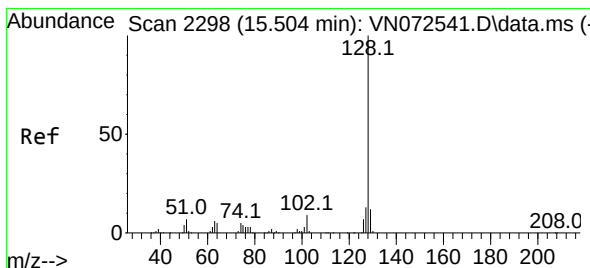
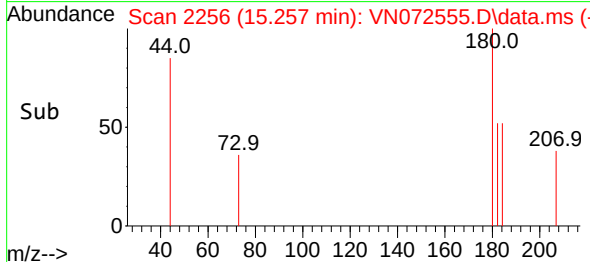
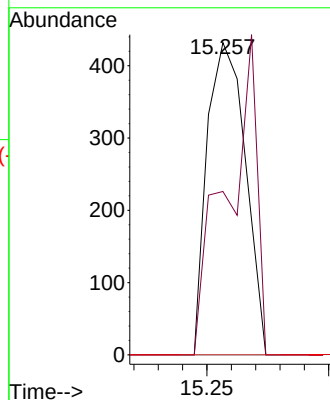
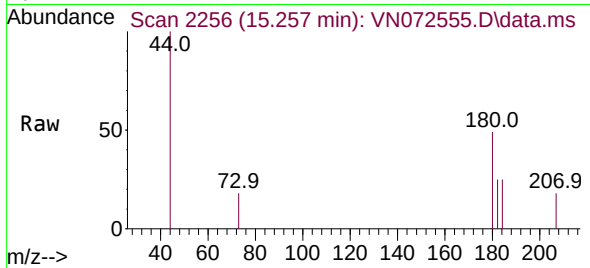




#93
1,2,4-Trichlorobenzene
Concen: 0.214 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:180 Resp: 471
Ion Ratio Lower Upper
180 100
182 81.1 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 1.013 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.005 min
Lab File: VN072555.D
Acq: 19 May 2022 15:13

Tgt Ion:128 Resp: 6454
Ion Ratio Lower Upper
128 100
127 16.6 10.3 15.5#
129 7.1 8.6 13.0#

