

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074212.D
 Acq On : 31 Aug 2022 14:20
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 01 00:24:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

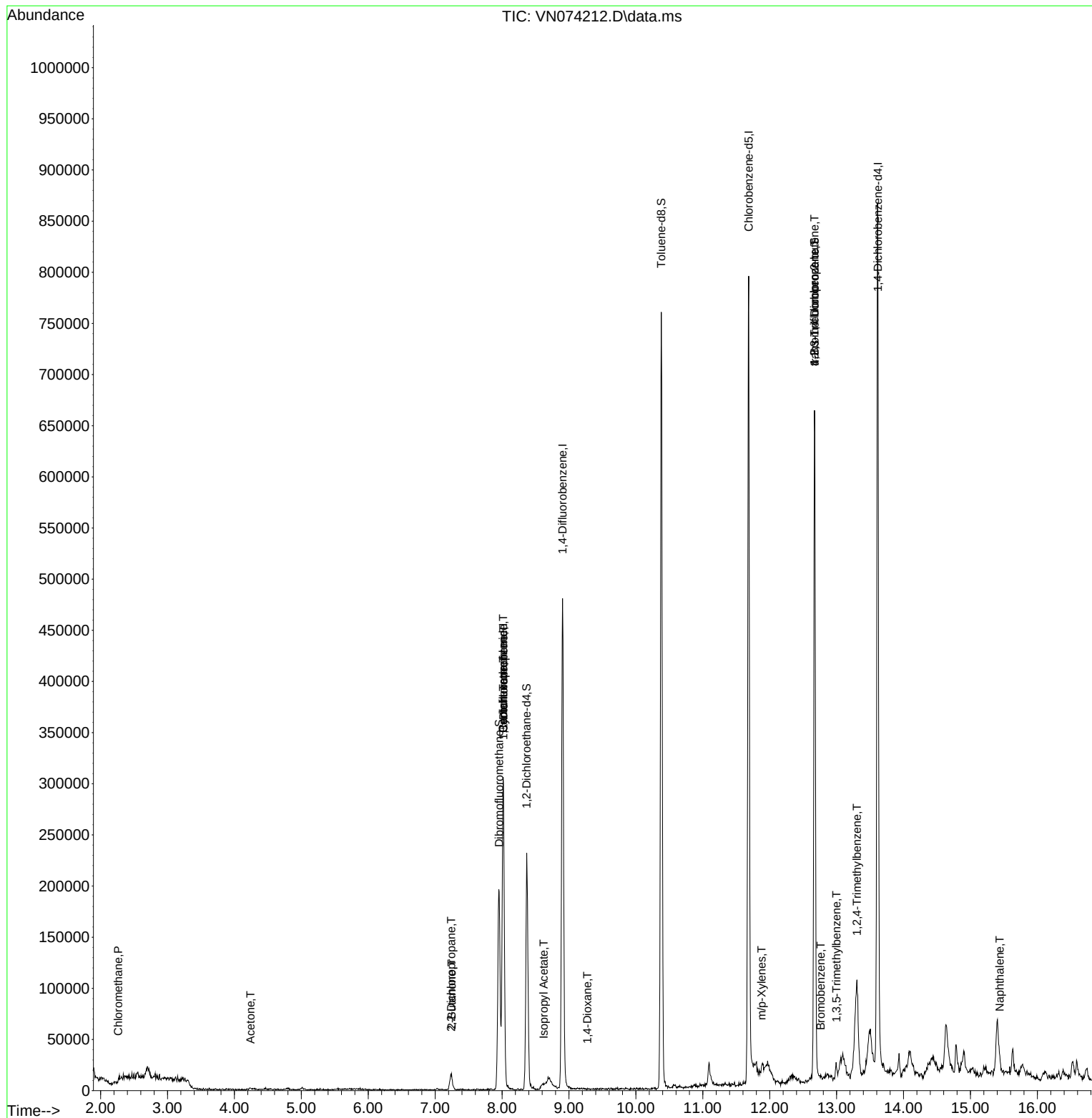
Internal Standards						
1) Pentafluorobenzene	8.016	168	215158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	398106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	409660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	207240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	172313	51.627	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.260%			
35) Dibromofluoromethane	7.957	113	143512	55.398	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.800%			
50) Toluene-d8	10.380	98	495498	48.569	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.668	95	208460	67.192	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 134.380%#			
Target Compounds						Qvalue
3) Chloromethane	2.263	50	664	0.212	ug/l #	76
6) Chloroethane	2.945	64	358	Below Cal		90
11) Tert butyl alcohol	5.287	59	351	Below Cal #		72
16) Acetone	4.239	43	1353	0.607	ug/l #	42
18) Methyl Acetate	4.804	43	2651	Below Cal #		67
20) Methylene Chloride	5.004	84	1052	Below Cal #		63
25) 2-Butanone	7.245	43	918	0.257	ug/l #	45
26) 2,2-Dichloropropane	7.239	77	526	0.411	ug/l #	53
31) Cyclohexane	8.016	56	6354	1.152	ug/l #	49
36) 1,1-Dichloropropene	8.022	75	19405	4.617	ug/l #	52
38) Carbon Tetrachloride	8.016	117	24224	6.345	ug/l #	17
43) Isopropyl Acetate	8.622	43	5435	0.575	ug/l #	53
49) 1,4-Dioxane	9.274	88	85	0.878	ug/l #	1
68) m/p-Xylenes	11.880	106	2774	0.451	ug/l	90
76) 1,2,3-Trichloropropane	12.668	75	121036	23.369	ug/l #	1
77) Bromobenzene	12.762	156	1571	0.378	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.998	105	3169	0.220	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.668	75	121036	60.622	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.304	105	6791	0.487	ug/l	79
95) Naphthalene	15.439	128	12576	1.932	ug/l #	93

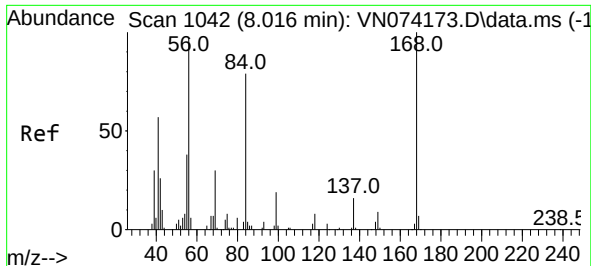
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 01 00:24:54 2022
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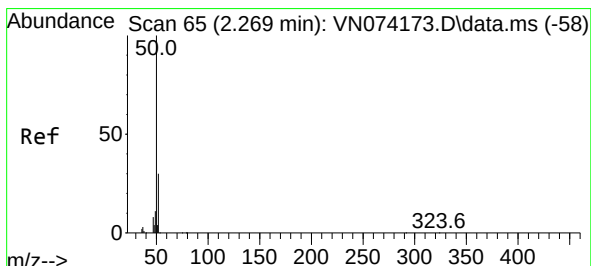
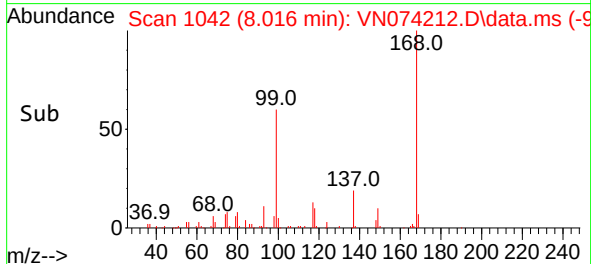
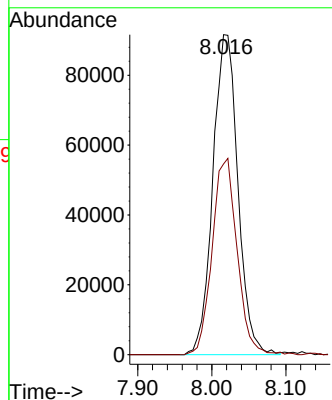
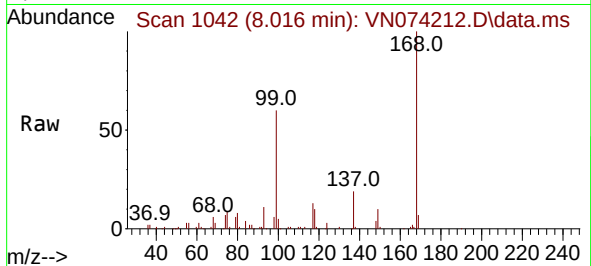




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

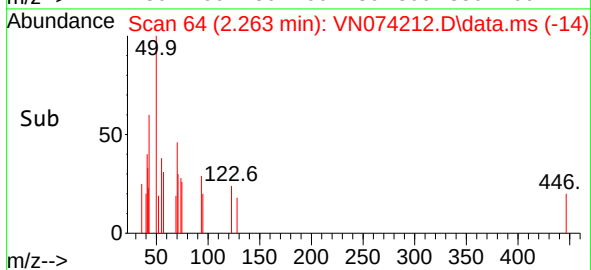
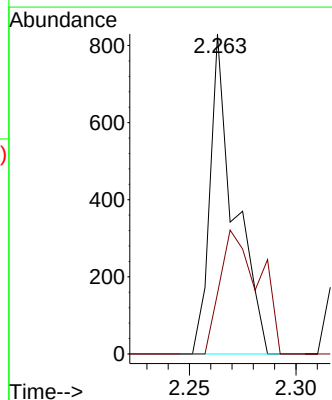
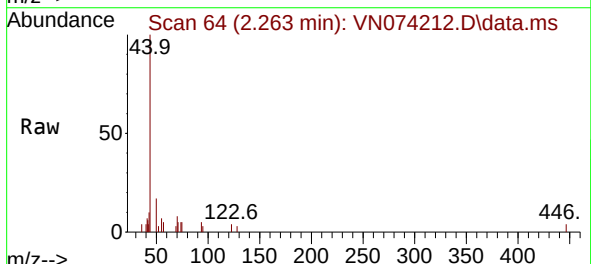
Instrument :
MSVOA_N
ClientSampleId :
IBLK

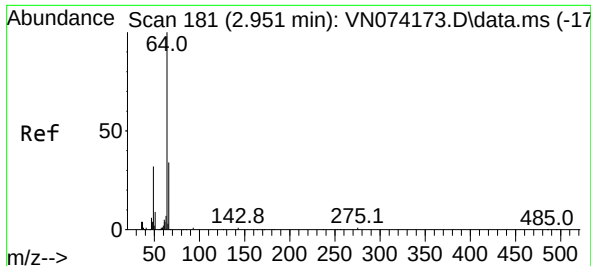
Tgt Ion:168 Resp: 215158
Ion Ratio Lower Upper
168 100
99 59.6 42.3 63.5



#3
Chloromethane
Concen: 0.212 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Tgt Ion: 50 Resp: 664
Ion Ratio Lower Upper
50 100
52 18.9 25.7 38.5#





#6

Chloroethane

Concen: Below Cal

RT: 2.945 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN074212.D

Acq: 31 Aug 2022 14:20

Instrument :

MSVOA_N

ClientSampleId :

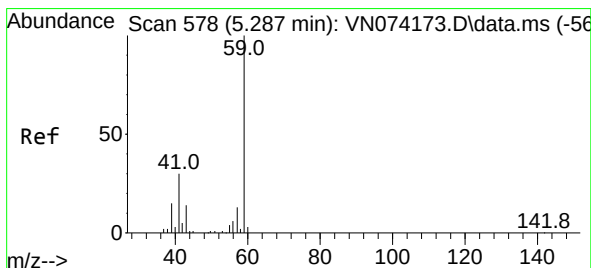
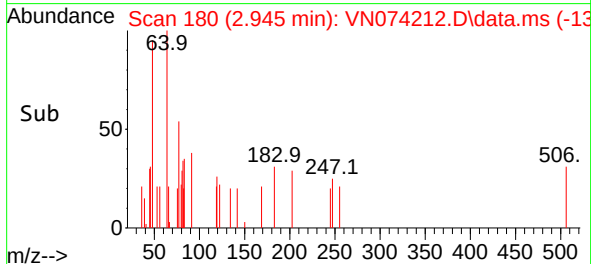
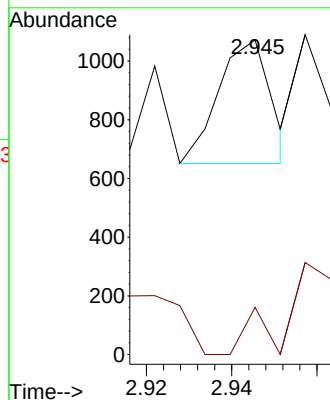
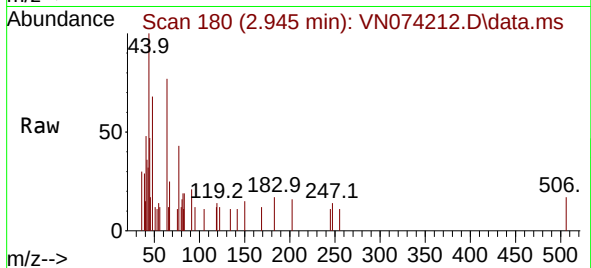
IBLK

Tgt Ion: 64 Resp: 358

Ion Ratio Lower Upper

64 100

66 38.2 26.2 39.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.287 min Scan# 578

Delta R.T. -0.000 min

Lab File: VN074212.D

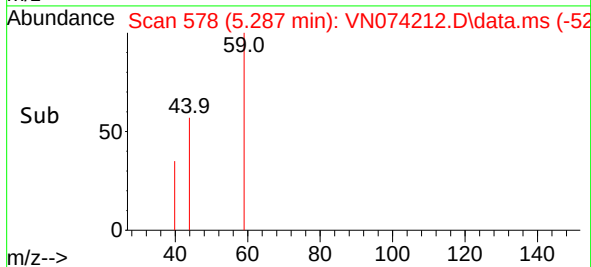
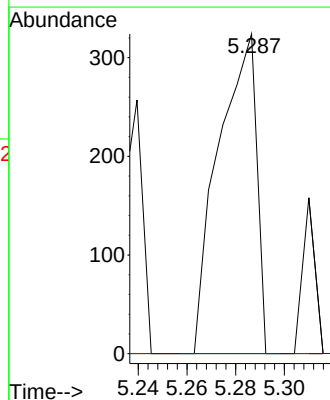
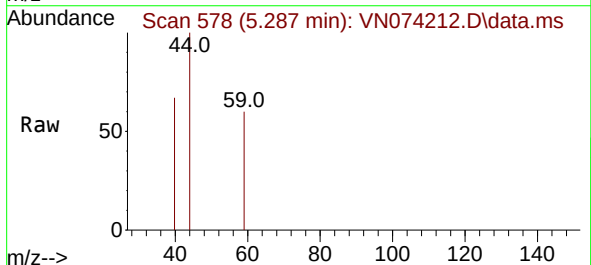
Acq: 31 Aug 2022 14:20

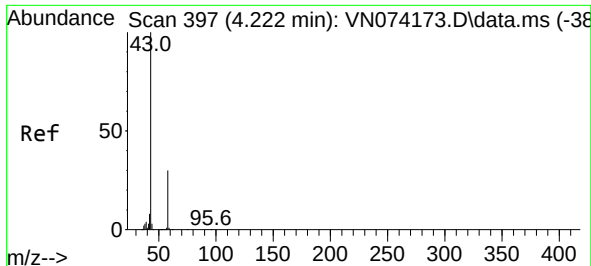
Tgt Ion: 59 Resp: 351

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

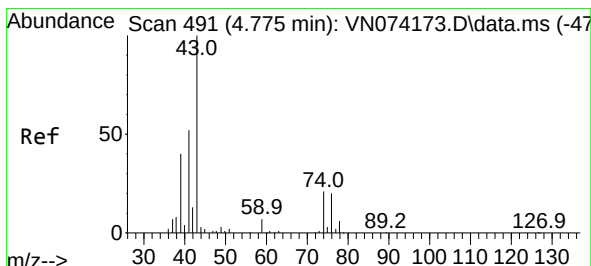
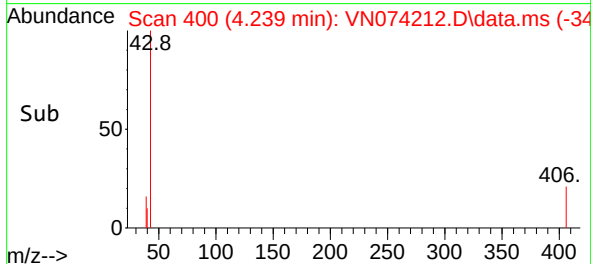
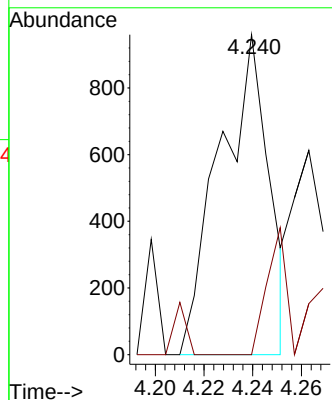
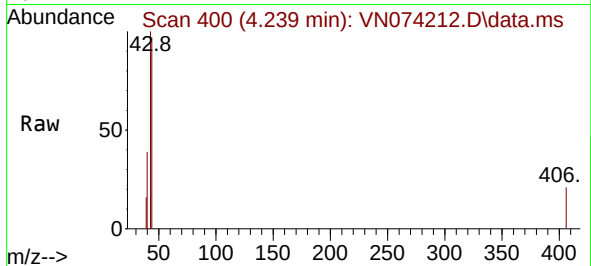




#16
Acetone
Concen: 0.607 ug/l
RT: 4.239 min Scan# 400
Delta R.T. 0.017 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

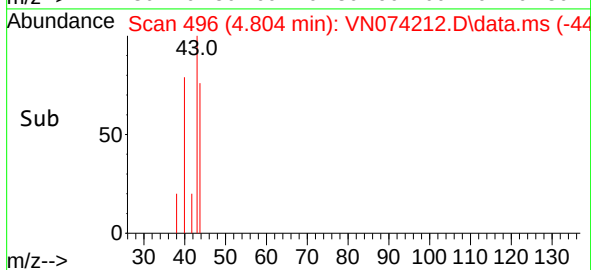
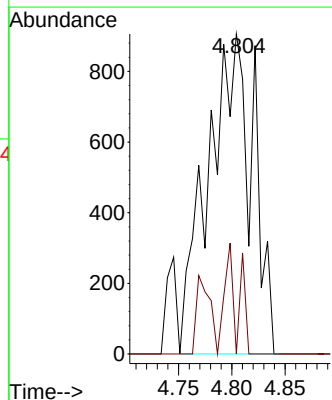
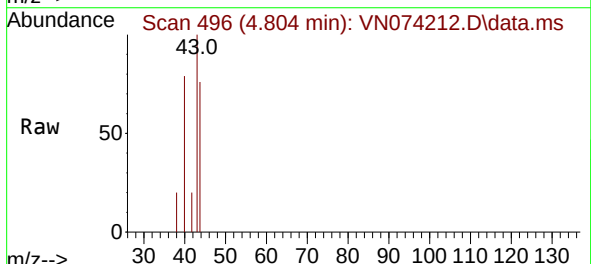
Instrument :
MSVOA_N
ClientSampleId :
IBLK

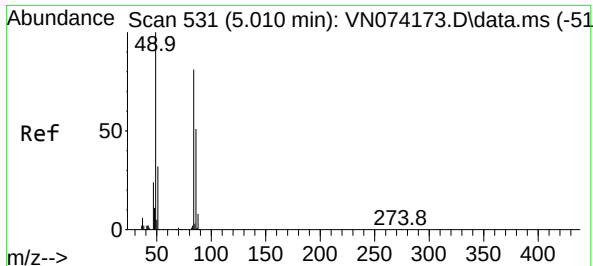
Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.804 min Scan# 496
Delta R.T. 0.029 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Tgt Ion: 43 Resp: 2651
Ion Ratio Lower Upper
43 100
74 10.1 21.6 32.4#

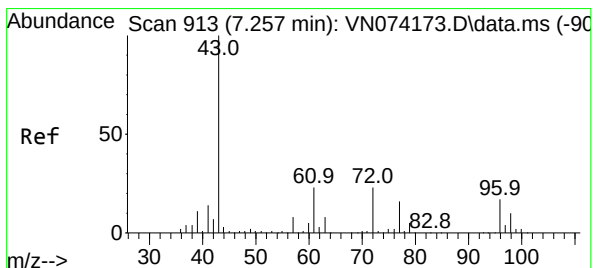
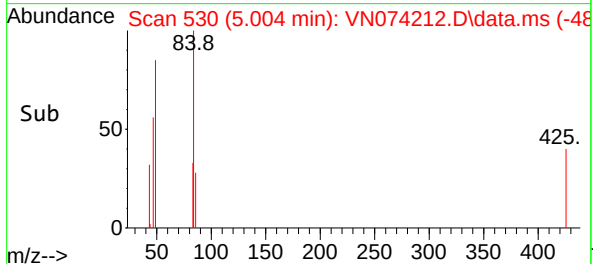
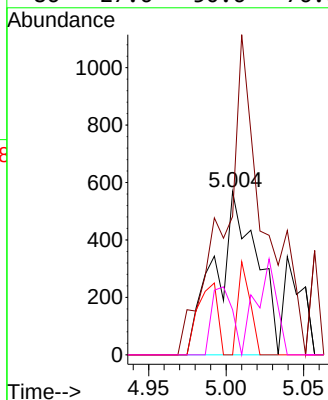
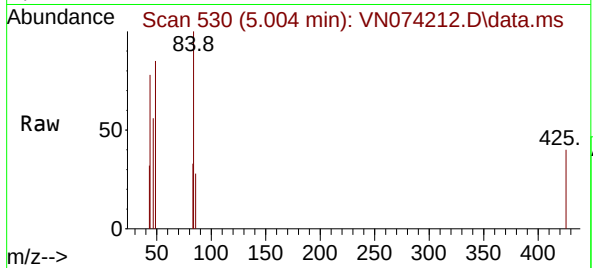




#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

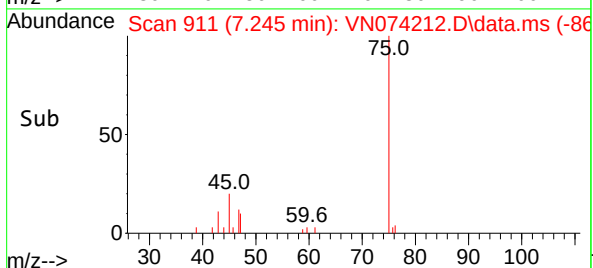
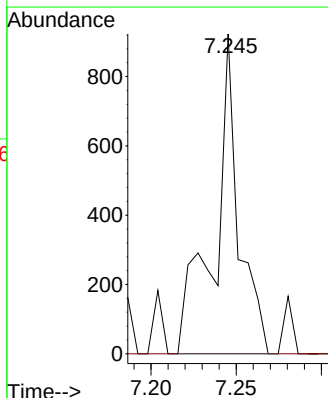
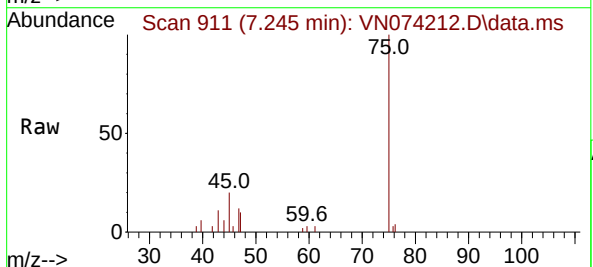
Instrument :
MSVOA_N
ClientSampleId :
IBLK

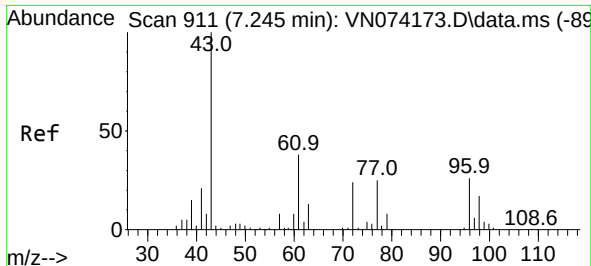
Tgt Ion: 84 Resp: 1052
Ion Ratio Lower Upper
84 100
49 84.7 88.3 132.5#
51 0.0 28.2 42.2#
86 27.6 50.6 76.0#



#25
2-Butanone
Concen: 0.257 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.411 ug/l

RT: 7.239 min Scan# 911

Delta R.T. -0.006 min

Lab File: VN074212.D

Acq: 31 Aug 2022 14:20

Instrument :

MSVOA_N

ClientSampleId :

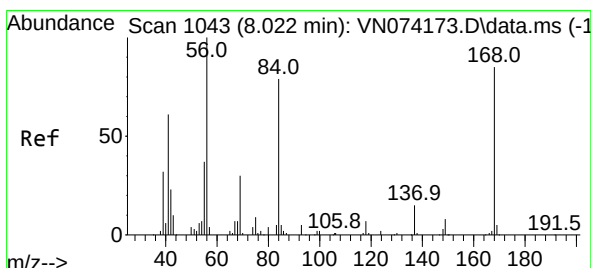
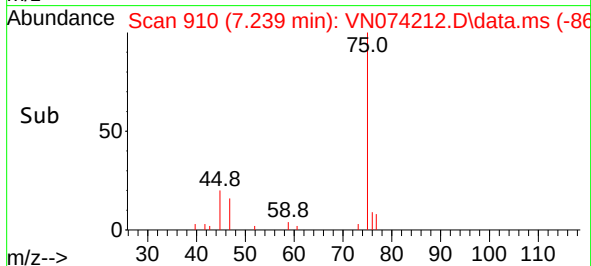
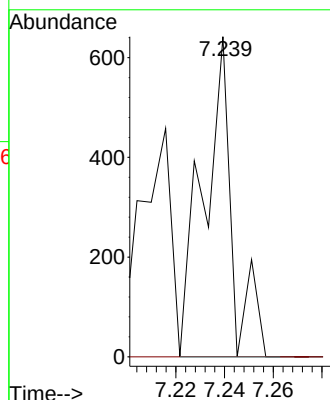
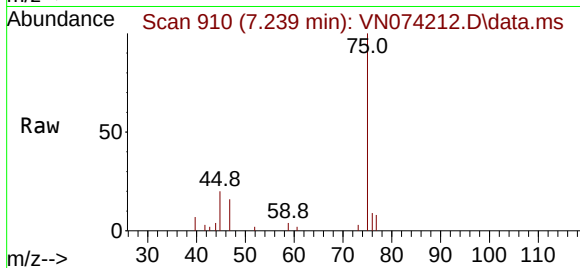
IBLK

Tgt Ion: 77 Resp: 526

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.152 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074212.D

Acq: 31 Aug 2022 14:20

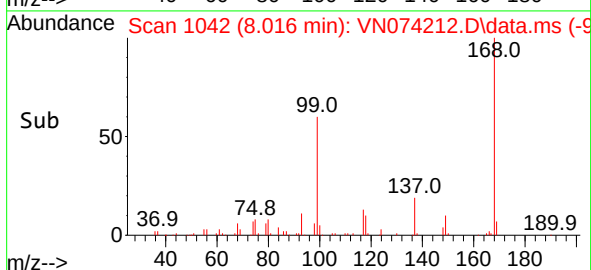
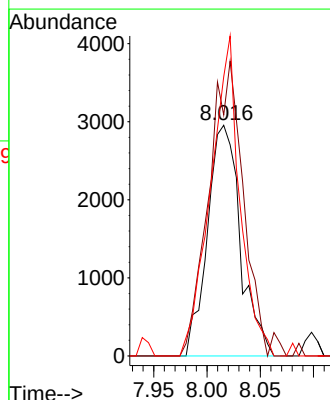
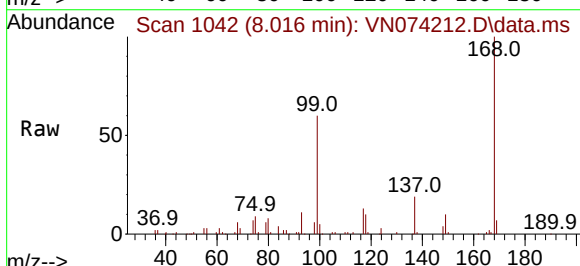
Tgt Ion: 56 Resp: 6354

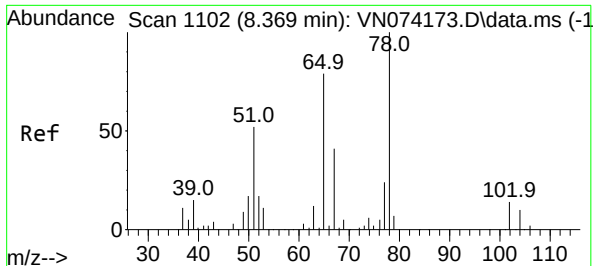
Ion Ratio Lower Upper

56 100

69 104.4 27.8 41.8#

84 121.0 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 51.627 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074212.D

Acq: 31 Aug 2022 14:20

Instrument :

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ClientSampleId :

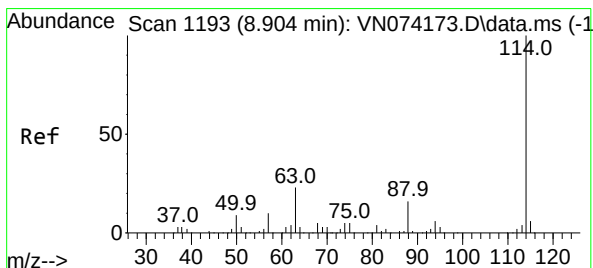
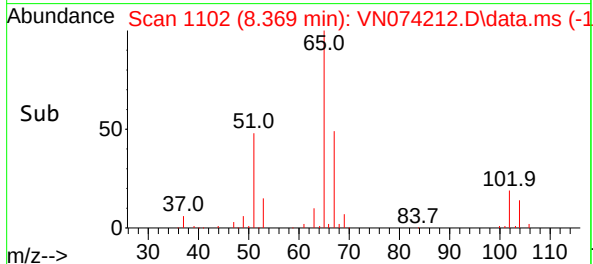
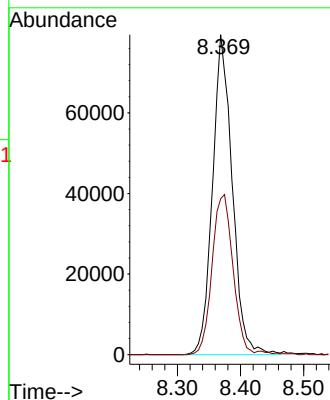
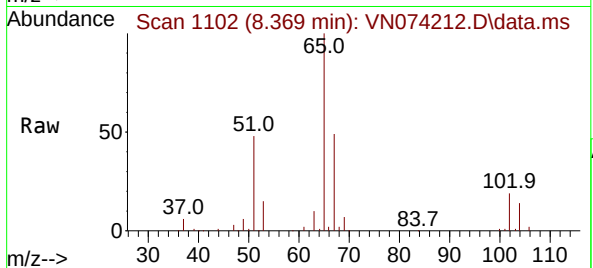
IBLK

Tgt Ion: 65 Resp: 172313

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074212.D

Acq: 31 Aug 2022 14:20

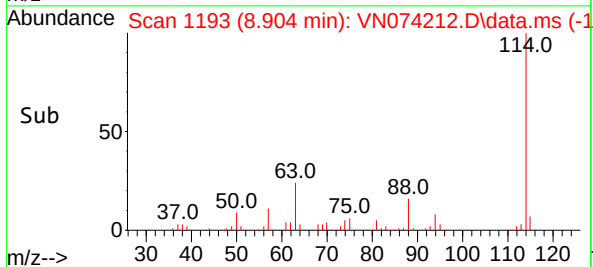
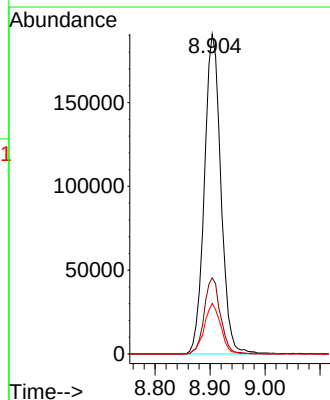
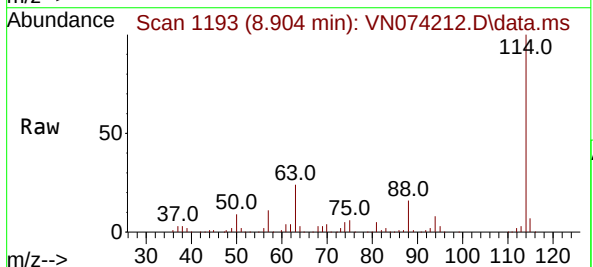
Tgt Ion: 114 Resp: 398106

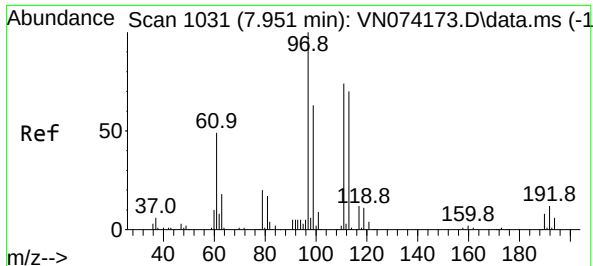
Ion Ratio Lower Upper

114 100

63 23.8 0.0 40.0

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.398 ug/l

RT: 7.957 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VN074212.D

Acq: 31 Aug 2022 14:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

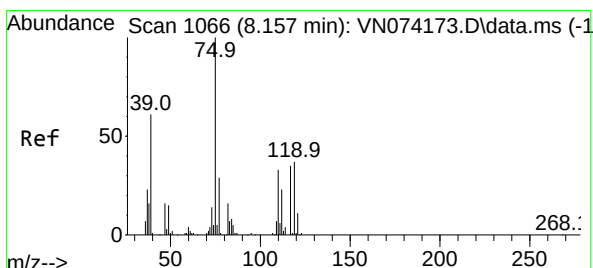
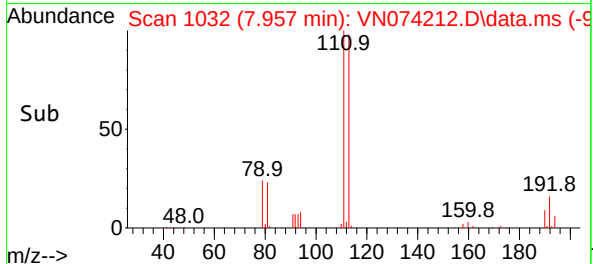
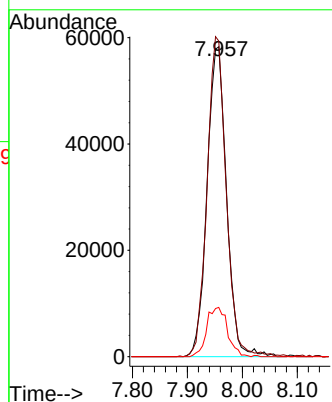
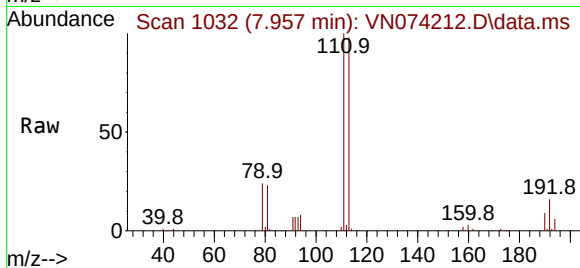
Tgt Ion:113 Resp: 143512

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

192 17.0 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 4.617 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.135 min

Lab File: VN074212.D

Acq: 31 Aug 2022 14:20

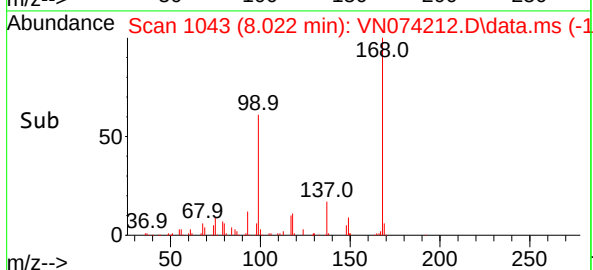
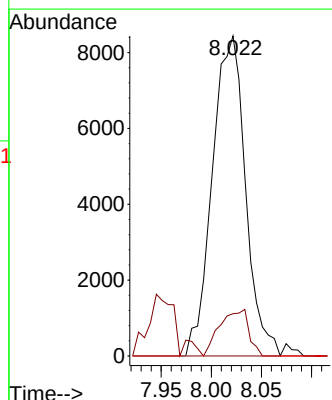
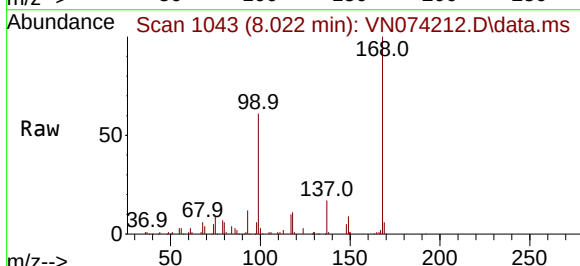
Tgt Ion: 75 Resp: 19405

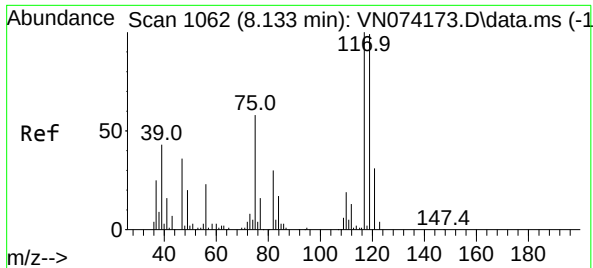
Ion Ratio Lower Upper

75 100

110 12.6 18.3 54.8#

77 0.0 25.1 37.7#

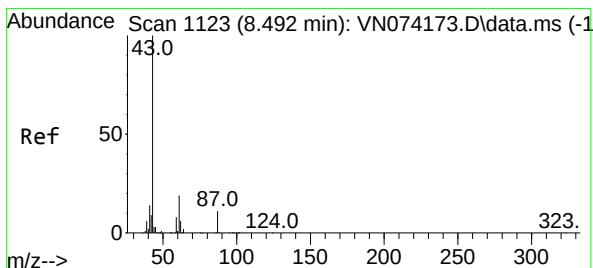
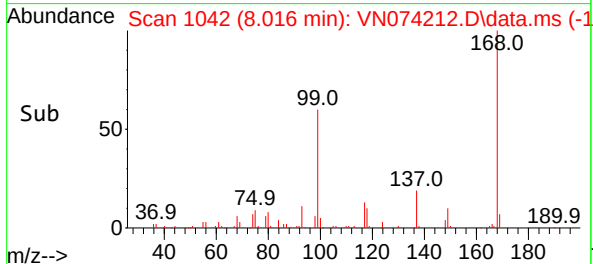
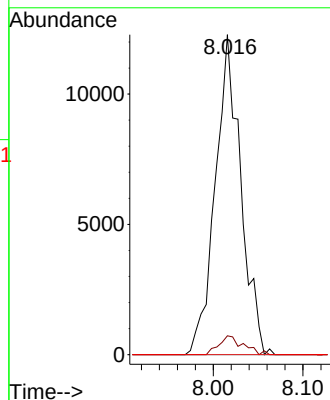
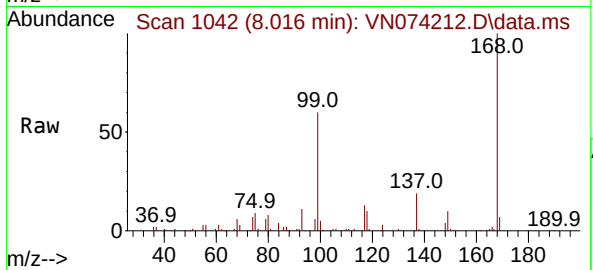




#38
Carbon Tetrachloride
Concen: 6.345 ug/l
RT: 8.016 min Scan# 1145
Delta R.T. -0.117 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

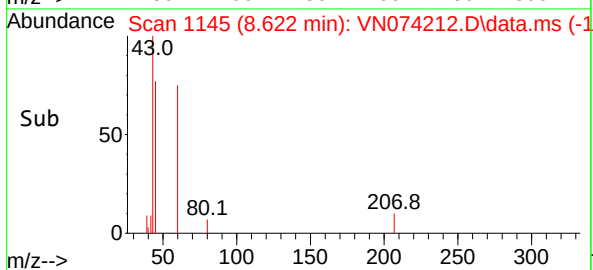
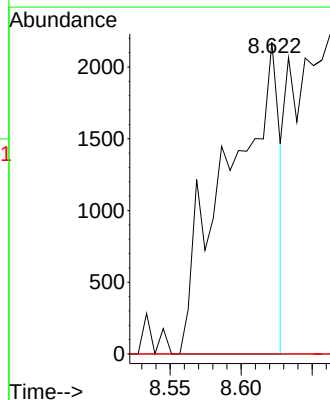
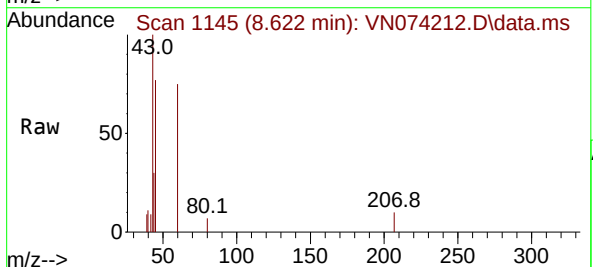
Instrument :
MSVOA_N
ClientSampleId :
IBLK

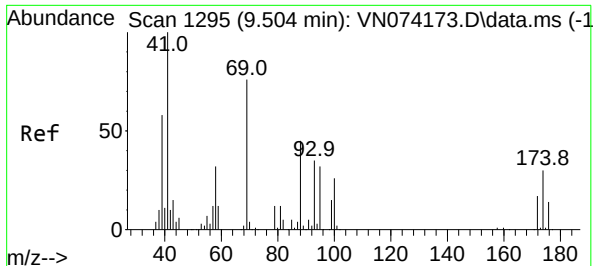
Tgt Ion:117 Resp: 24224
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.575 ug/l
RT: 8.622 min Scan# 1145
Delta R.T. 0.129 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Tgt Ion: 43 Resp: 5435
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

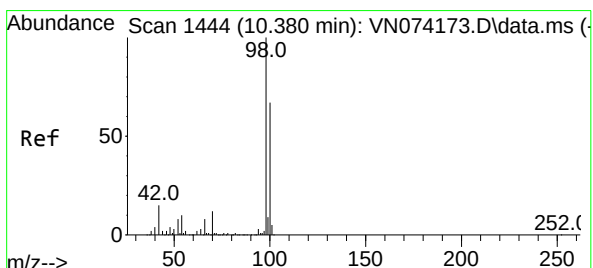
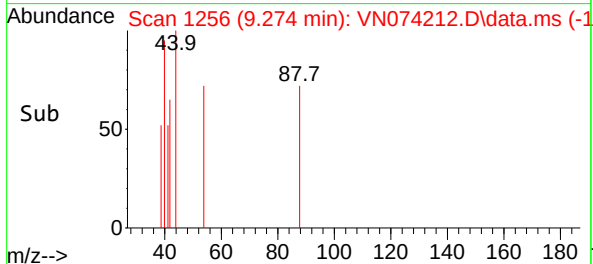
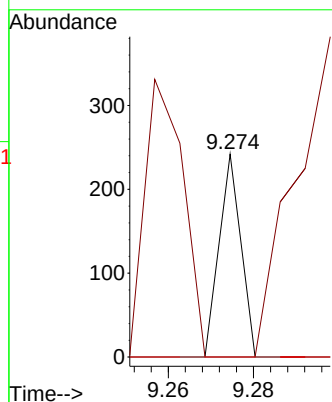
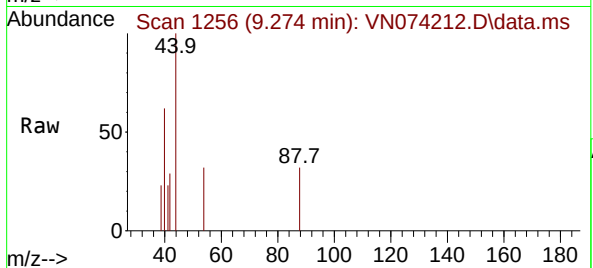




#49
1,4-Dioxane
Concen: 0.878 ug/l
RT: 9.274 min Scan# 1295
Delta R.T. -0.230 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

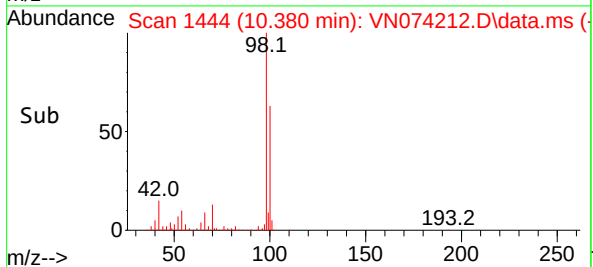
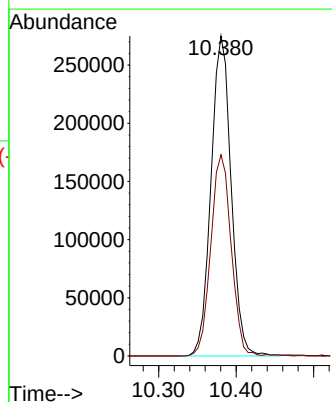
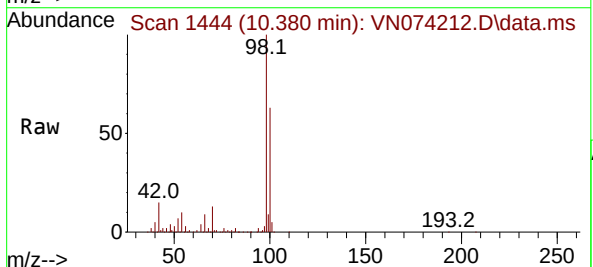
Instrument :
MSVOA_N
ClientSampleId :
IBLK

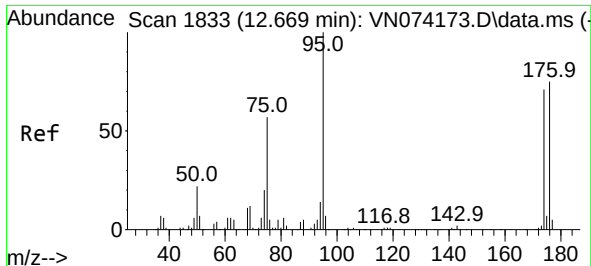
Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 243.5 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 48.569 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Tgt Ion: 98 Resp: 495498
Ion Ratio Lower Upper
98 100
100 63.5 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 67.192 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN074212.D

Acq: 31 Aug 2022 14:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

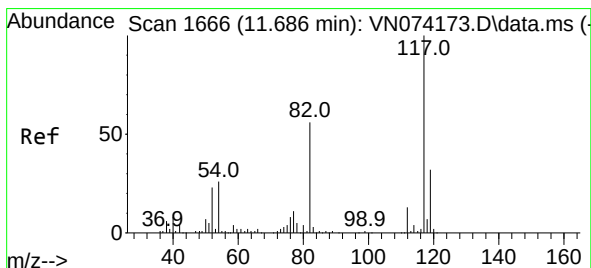
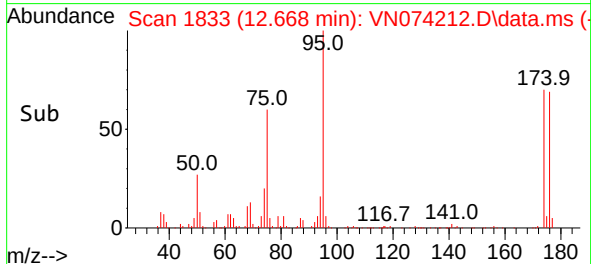
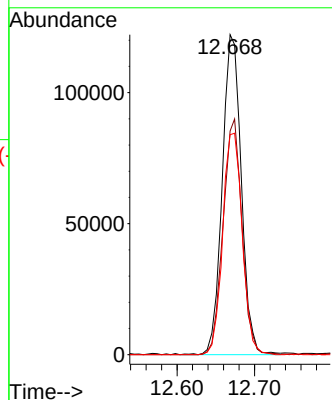
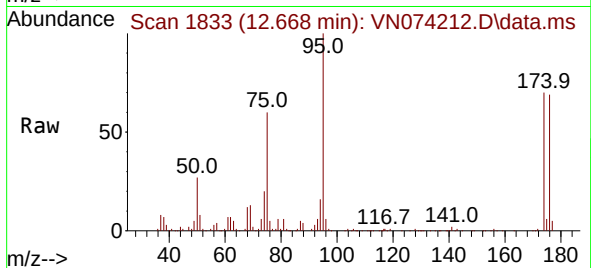
Tgt Ion: 95 Resp: 208460

Ion Ratio Lower Upper

95 100

174 73.2 0.0 167.6

176 71.0 0.0 163.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1666

Delta R.T. -0.000 min

Lab File: VN074212.D

Acq: 31 Aug 2022 14:20

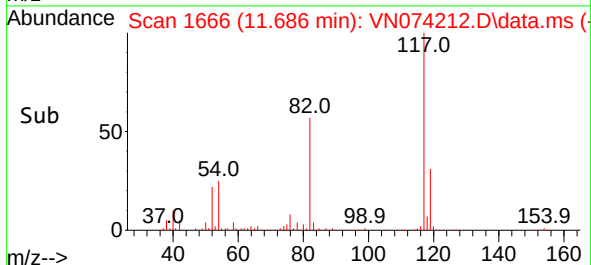
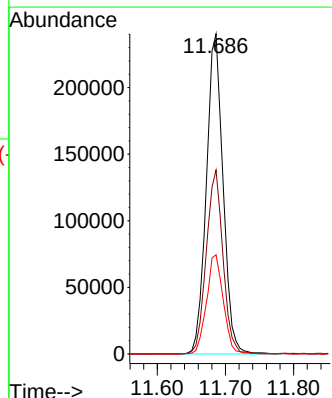
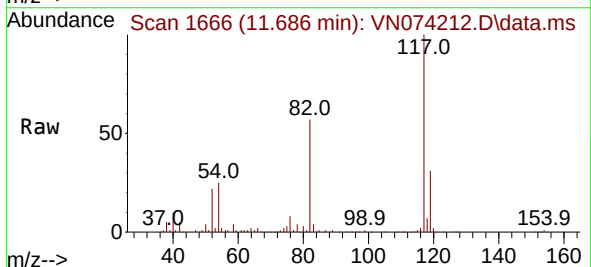
Tgt Ion: 117 Resp: 409660

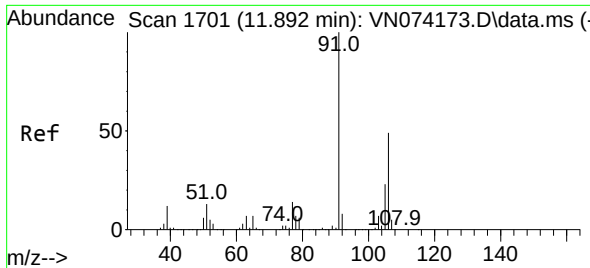
Ion Ratio Lower Upper

117 100

82 57.5 44.2 66.2

119 30.9 25.4 38.0

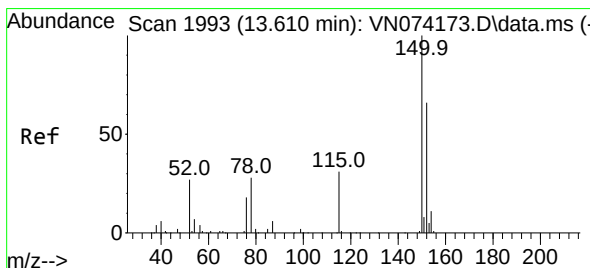
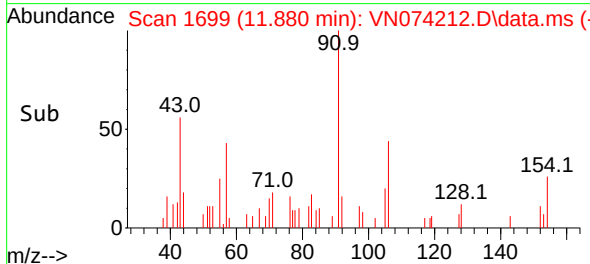
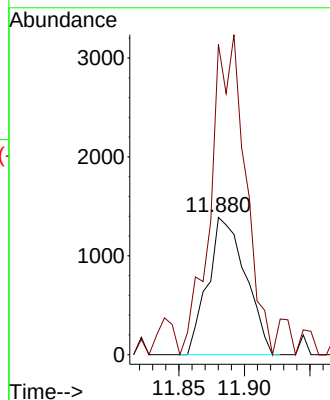
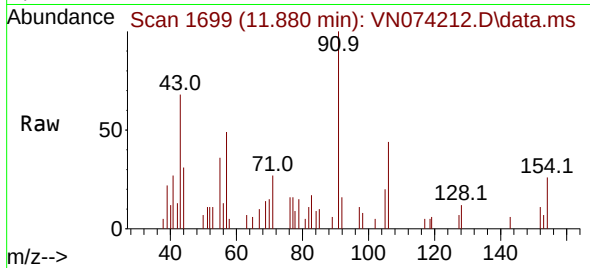




#68
m/p-Xylenes
Concen: 0.451 ug/l
RT: 11.880 min Scan# 1699
Delta R.T. -0.012 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

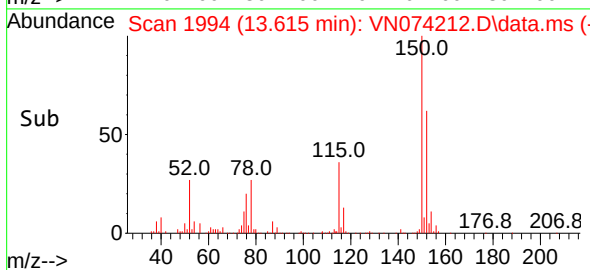
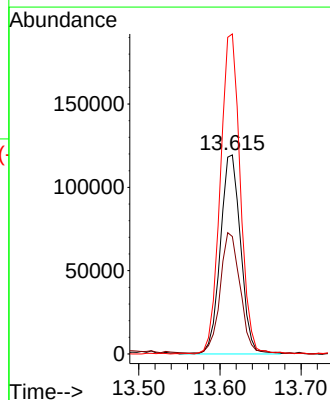
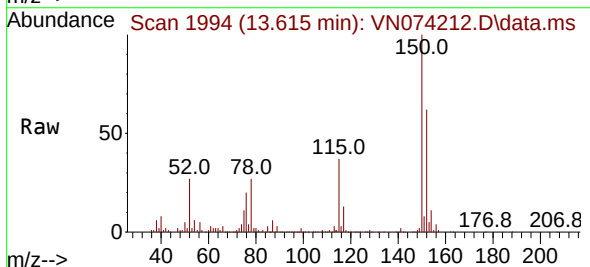
Instrument :
MSVOA_N
ClientSampleId :
IBLK

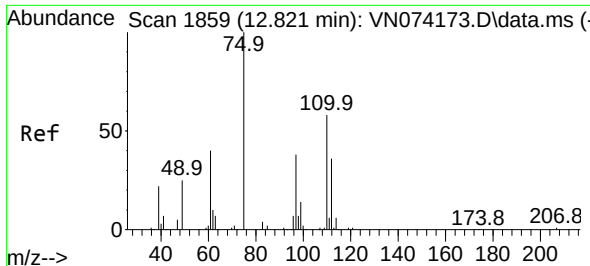
Tgt Ion:106 Resp: 2774
Ion Ratio Lower Upper
106 100
91 213.7 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Tgt Ion:152 Resp: 207240
Ion Ratio Lower Upper
152 100
115 60.6 28.9 86.7
150 158.7 0.0 356.2

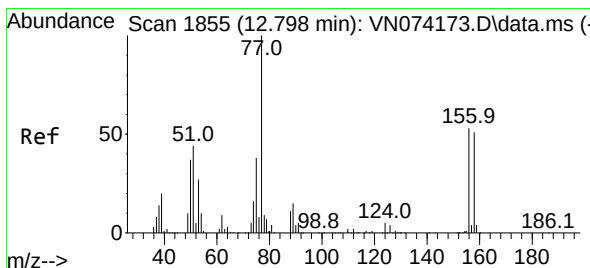
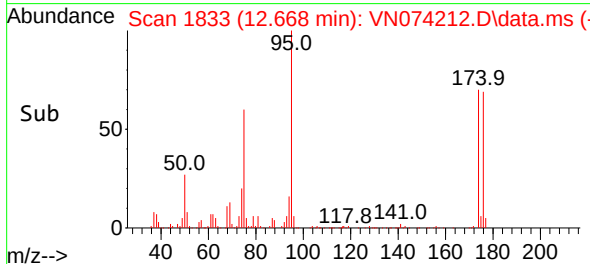
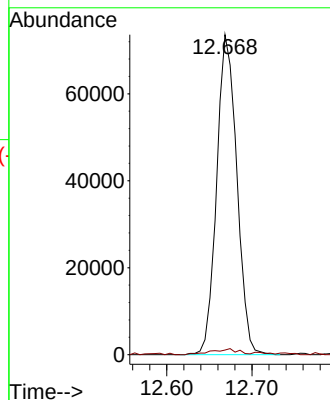
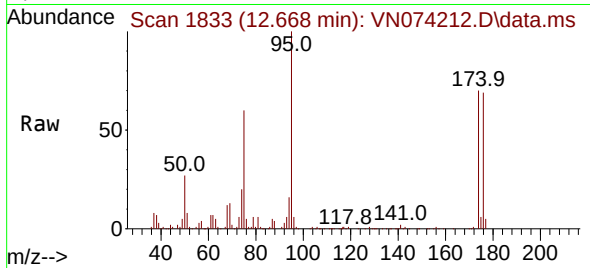




#76
1,2,3-Trichloropropane
Concen: 23.369 ug/l
RT: 12.668 min Scan# 11
Delta R.T. -0.153 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

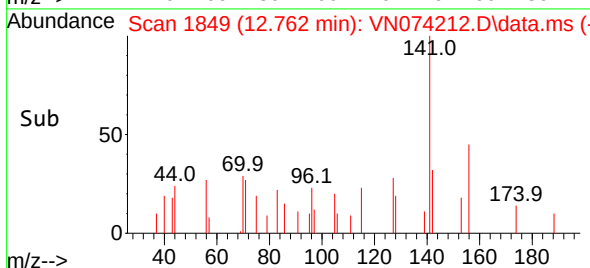
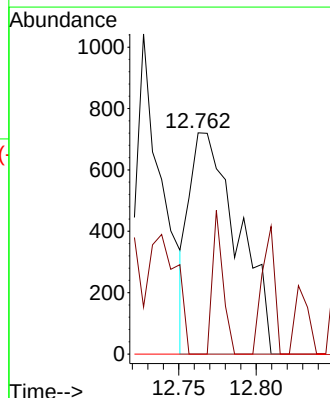
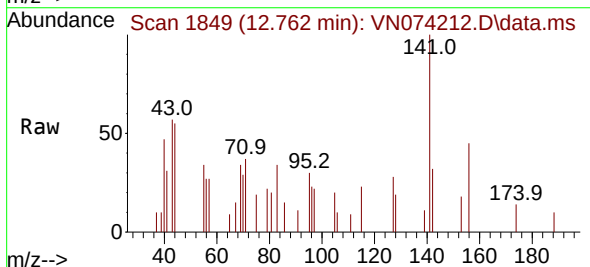
Instrument :
MSVOA_N
ClientSampleId :
IBLK

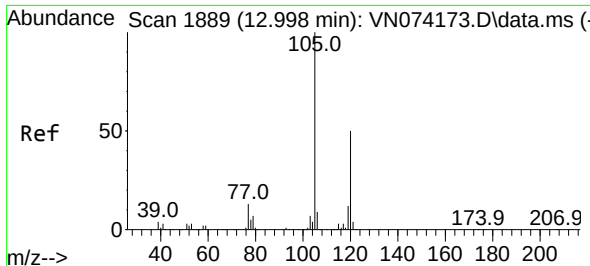
Tgt Ion: 75 Resp: 121036
Ion Ratio Lower Upper
75 100
77 2.4 98.5 295.5#



#77
Bromobenzene
Concen: 0.378 ug/l
RT: 12.762 min Scan# 1849
Delta R.T. -0.035 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Tgt Ion: 156 Resp: 1571
Ion Ratio Lower Upper
156 100
77 14.0 100.5 301.5#
158 0.0 48.9 146.6#

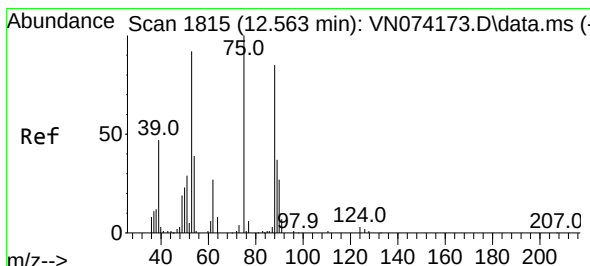
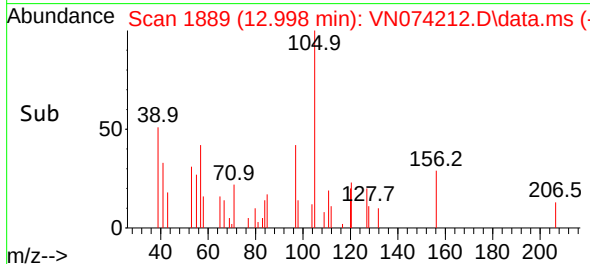
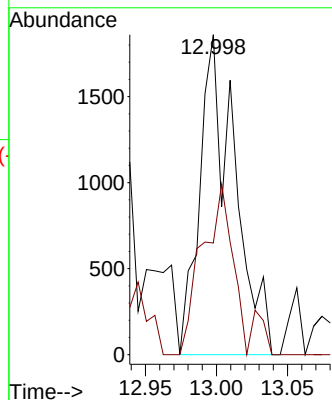
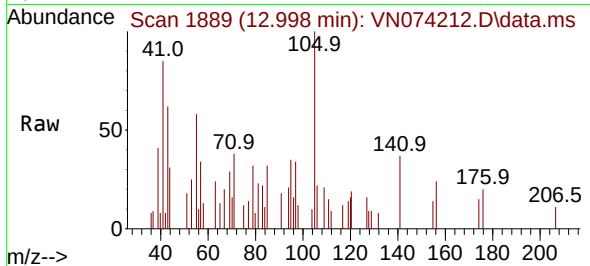




#80
1,3,5-Trimethylbenzene
Concen: 0.220 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.000 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

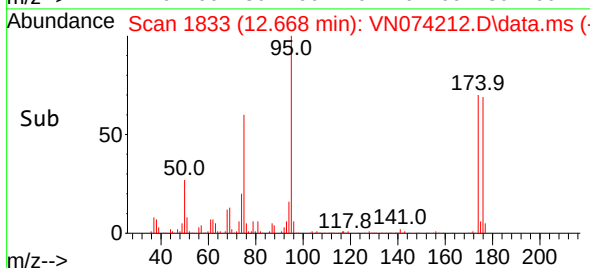
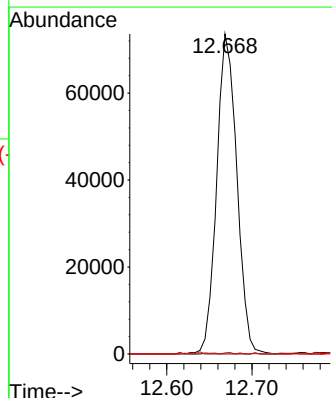
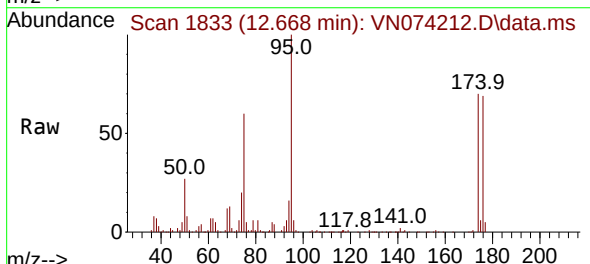
Instrument :
MSVOA_N
ClientSampleId :
IBLK

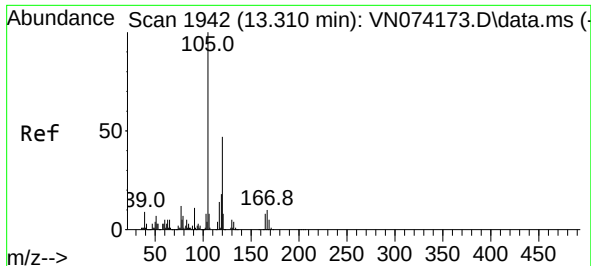
Tgt Ion:105 Resp: 3169
Ion Ratio Lower Upper
105 100
120 46.3 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 60.622 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Tgt Ion: 75 Resp: 121036
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#

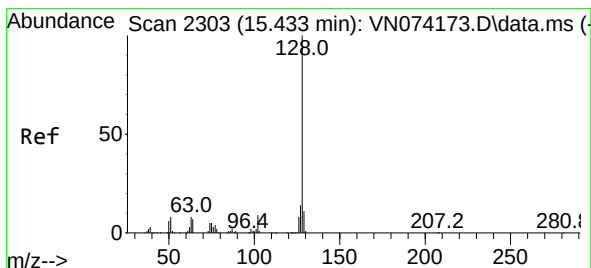
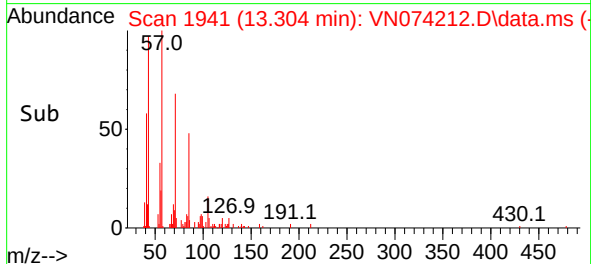
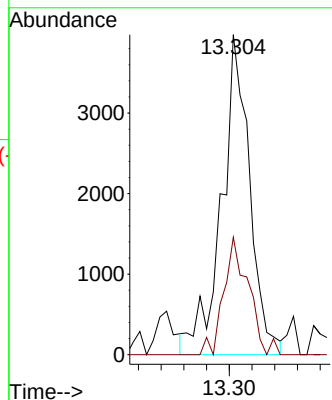
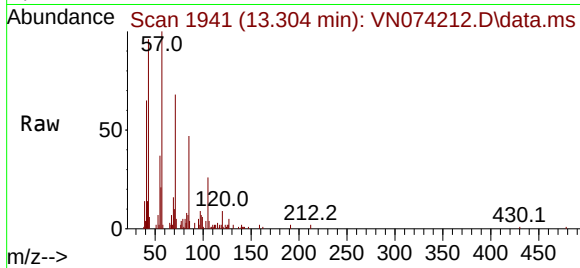




#84
1,2,4-Trimethylbenzene
Concen: 0.487 ug/l
RT: 13.304 min Scan# 1942
Delta R.T. -0.006 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:105 Resp: 6791
Ion Ratio Lower Upper
105 100
120 32.5 23.3 69.8



#95
Naphthalene
Concen: 1.932 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN074212.D
Acq: 31 Aug 2022 14:20

Tgt Ion:128 Resp: 12576
Ion Ratio Lower Upper
128 100
127 8.3 10.3 15.5#
129 11.2 8.6 13.0

