

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032422\
 Data File : VN071516.D
 Acq On : 24 Mar 2022 12:05
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 25 08:28:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	107153	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	592606	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	501758	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	236261	31.295	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.300%	
60) 4-Bromofluorobenzene	12.727	95	187459	25.197	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 84.000%	
63) Toluene-d8	10.439	98	707080	31.044	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.467%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	1497	0.224	ug/l	96
3) Chloromethane	2.304	50	4409	0.561	ug/l #	79
4) Vinyl Chloride	2.440	62	1846	0.205	ug/l #	78
5) Bromomethane	2.875	94	7506	1.413	ug/l	92
12) Methyl Acetate	4.863	43	8323	0.951	ug/l #	77
13) Acrolein	4.057	56	2521	2.709	ug/l #	48
14) Acrylonitrile	5.551	53	4327	1.092	ug/l	80
15) Acetone	4.281	58	896	0.786	ug/l #	8
16) Carbon Disulfide	4.540	76	19237	1.190	ug/l	95
19) trans-1,2-Dichloroethene	5.598	96	2002	0.302	ug/l #	78
29) 1,1-Dichloropropene	8.222	75	3230	0.337	ug/l	95
30) 2-Butanone	7.345	43	7006	1.312	ug/l #	78
35) Methacrylonitrile	7.634	41	1260	0.246	ug/l	84
37) Trichloroethene	9.216	130	3090	0.402	ug/l #	72
40) Dibromomethane	9.569	93	2237	0.443	ug/l	74
42) Vinyl Acetate	6.428	43	3769	0.206	ug/l #	92
45) 1,4-Dioxane	9.569	88	1323	7.897	ug/l #	80
46) Methyl methacrylate	9.569	41	1859	0.255	ug/l	73
47) n-amyl Acetate	12.386	43	14000	1.263	ug/l	91
48) t-1,3-Dichloropropene	10.716	75	3032	0.276	ug/l	93
50) 1,1,2-Trichloroethane	10.898	97	1619	0.215	ug/l #	79
51) Ethyl methacrylate	10.763	69	2909	0.250	ug/l	76
54) 1,2-Dibromoethane	11.345	107	1851	0.239	ug/l	91
55) 2-Chloroethyl vinyl ether	10.033	63	655	0.209	ug/l #	44
56) Bromoform	12.451	173	1615	0.268	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	10523	1.105	ug/l #	91
59) 2-Hexanone	11.086	43	25595	3.681	ug/l	92
61) Tetrachloroethene	10.975	164	2770	0.454	ug/l #	82
62) Toluene	10.504	91	8638	0.284	ug/l	93
64) Chlorobenzene	11.763	112	9522	0.507	ug/l	95
66) Ethyl Benzene	11.839	91	11793	0.357	ug/l	96
67) m/p-Xylenes	11.951	106	8674	0.674	ug/l	98
68) o-Xylene	12.280	106	2984	0.233	ug/l	88
69) Styrene	12.292	104	7731	0.384	ug/l	98
70) Isopropylbenzene	12.574	105	9306	0.290	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.821	83	4896	0.469	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	7018	0.782	ug/l	74
73) Bromobenzene	12.857	156	5488	0.701	ug/l	92
74) n-propylbenzene	12.916	91	18590	0.531	ug/l	100

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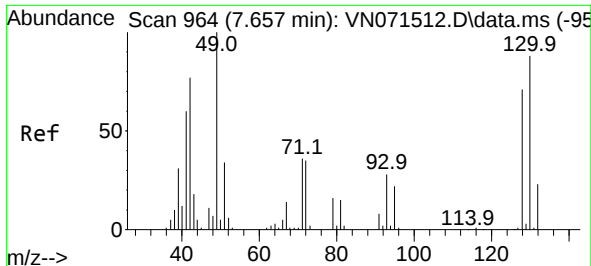
Instrument :
 MSVOA_N
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 2-Chlorotoluene	13.004	91	11002	0.503	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	8896	0.346	ug/l	92
78) 4-Chlorotoluene	13.104	91	16334	0.799	ug/l	94
79) tert-butylbenzene	13.316	119	7932	0.341	ug/l	96
80) 1,2,4-Trimethylbenzene	13.368	105	12228	0.490	ug/l #	80
81) sec-Butylbenzene	13.498	105	12942	0.415	ug/l	89
82) p-Isopropyltoluene	13.610	119	13707	0.540	ug/l	95
83) 1,3-Dichlorobenzene	13.616	146	14785	1.154	ug/l	91
84) 1,4-Dichlorobenzene	13.692	146	16592	1.357	ug/l	98
85) n-Butylbenzene	13.939	91	23785	1.263	ug/l	91
86) Hexachloroethane	14.210	117	1402	0.296	ug/l #	41
87) 1,2-Dichlorobenzene	13.986	146	13634	1.101	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.604	75	1557	0.838	ug/l #	1
89) 1,2,4-Trichlorobenzene	15.262	180	21396	3.738	ug/l	98
90) Hexachlorobutadiene	15.374	225	4926	1.452	ug/l	97
91) Naphthalene	15.504	128	87895	10.864	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	28142	5.013	ug/l	93

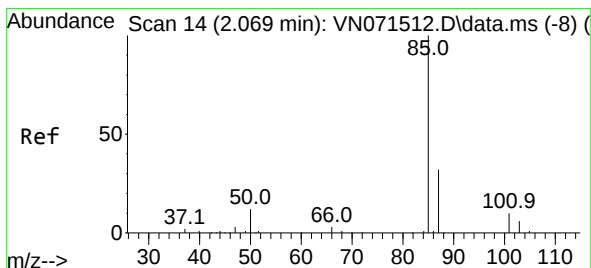
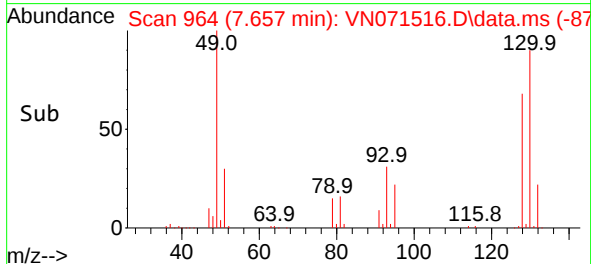
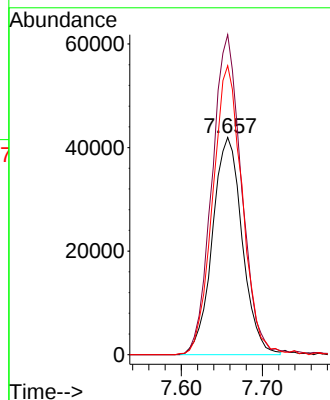
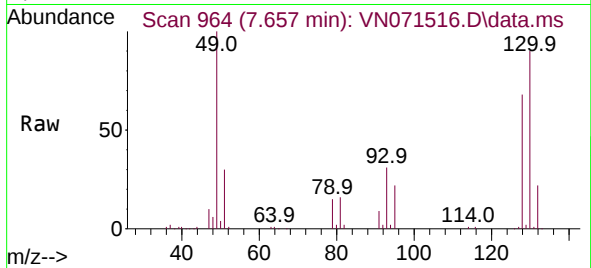
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

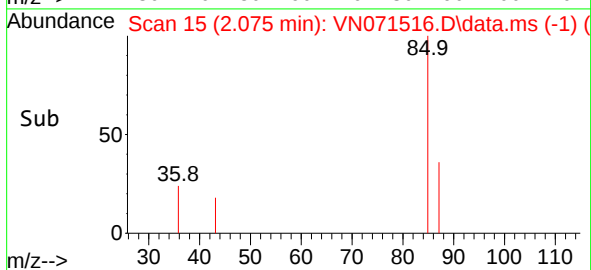
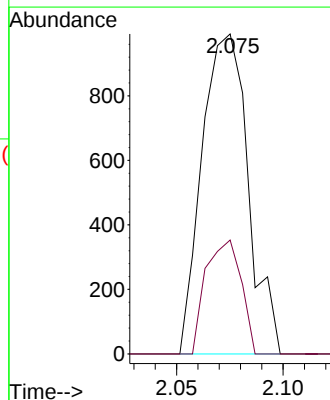
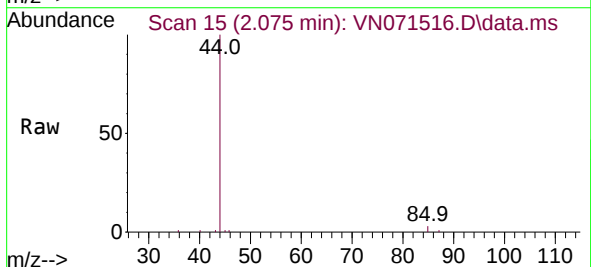
Instrument :
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IBLK

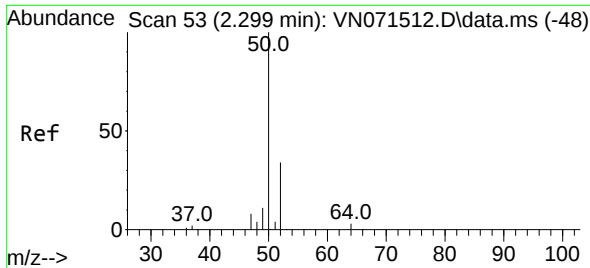
Tgt Ion:128 Resp: 107153
Ion Ratio Lower Upper
128 100
49 144.9 0.0 392.3
130 131.5 0.0 320.2



#2
Dichlorodifluoromethane
Concen: 0.224 ug/l
RT: 2.075 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 85 Resp: 1497
Ion Ratio Lower Upper
85 100
87 35.6 16.6 49.7

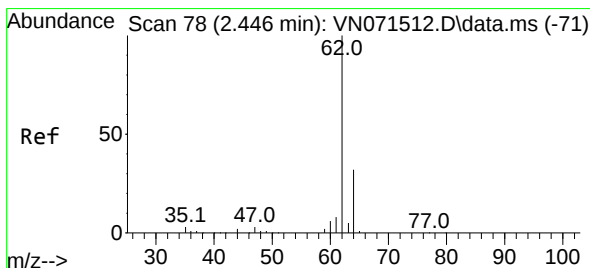
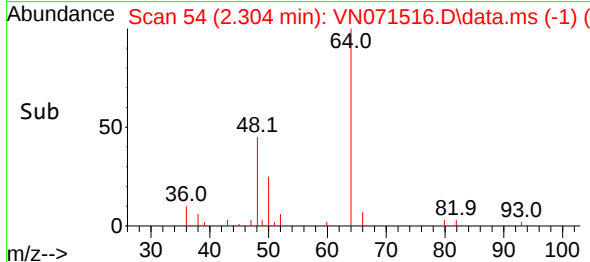
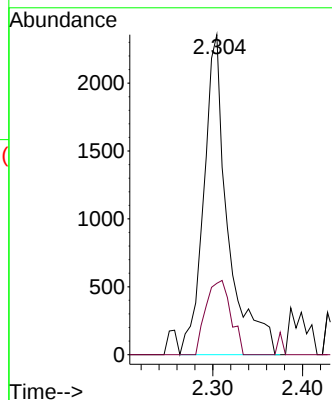
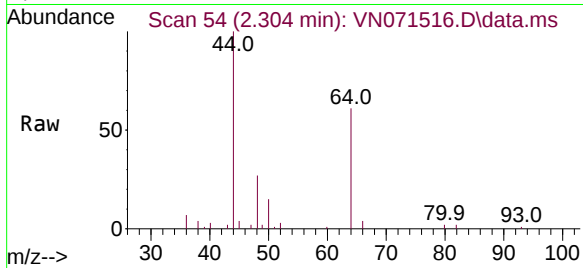




#3
Chloromethane
Concen: 0.561 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

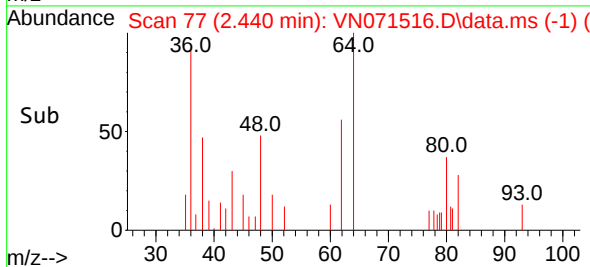
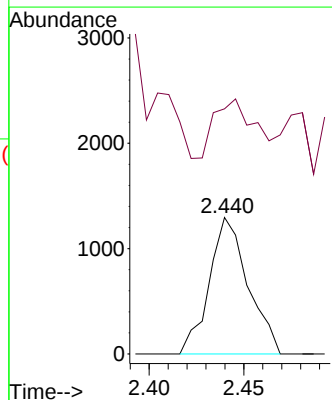
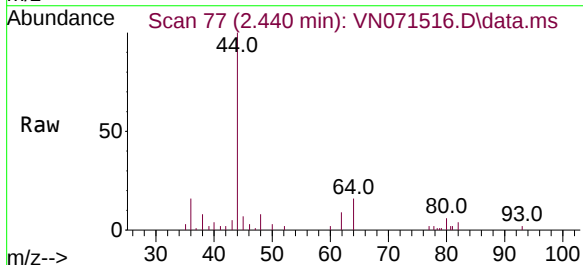
Instrument :
MSVOA_N
ClientSampleId :
IBLK

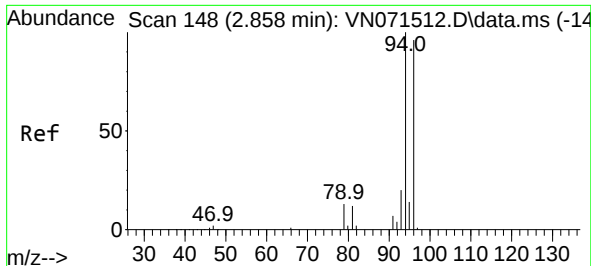
Tgt Ion: 50 Resp: 4409
Ion Ratio Lower Upper
50 100
52 22.3 27.8 41.6#



#4
Vinyl Chloride
Concen: 0.205 ug/l
RT: 2.440 min Scan# 77
Delta R.T. -0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 62 Resp: 1846
Ion Ratio Lower Upper
62 100
64 19.1 25.1 37.7#

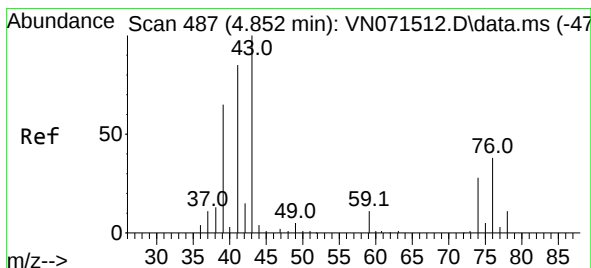
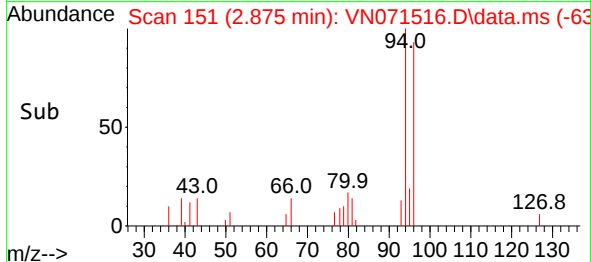
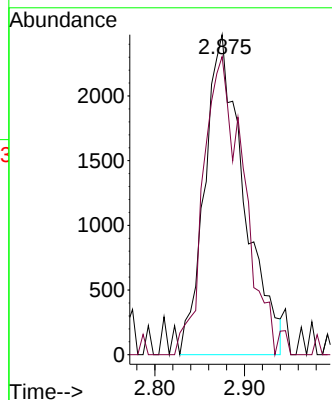
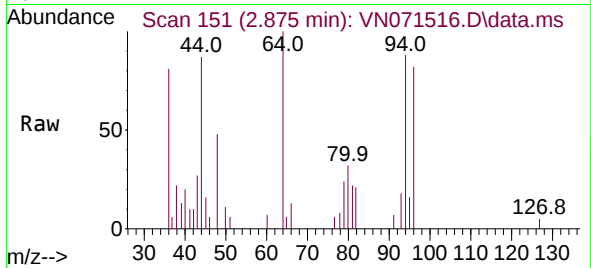




#5
Bromomethane
Concen: 1.413 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

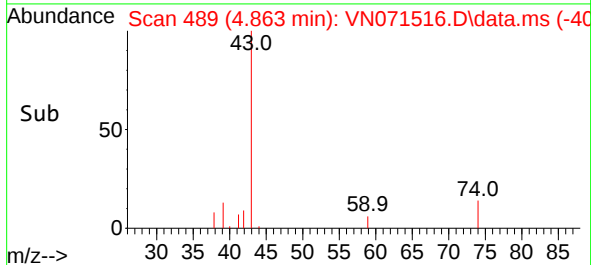
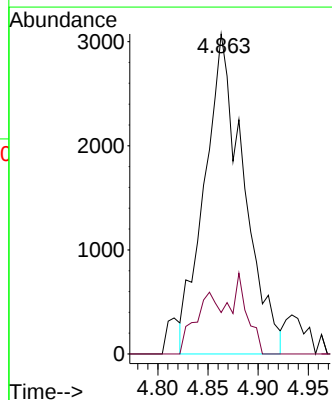
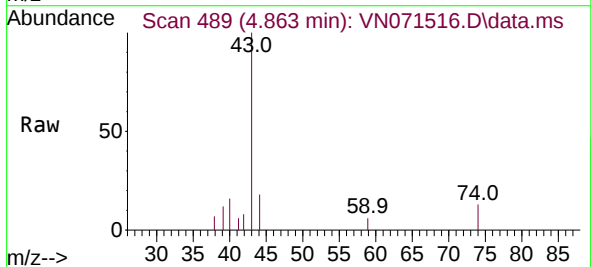
Instrument :
MSVOA_N
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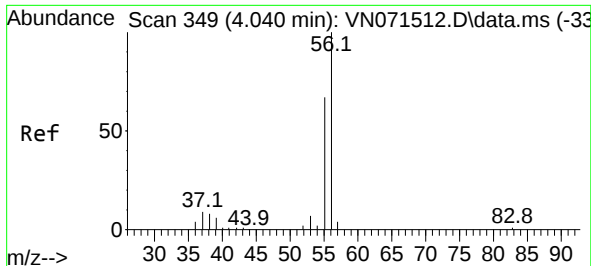
Tgt Ion: 94 Resp: 7506
Ion Ratio Lower Upper
94 100
96 86.3 75.2 112.8



#12
Methyl Acetate
Concen: 0.951 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 43 Resp: 8323
Ion Ratio Lower Upper
43 100
74 14.2 20.8 31.2#

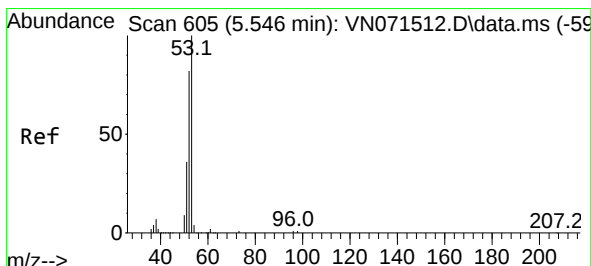
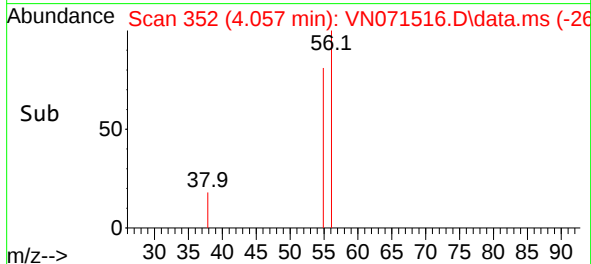
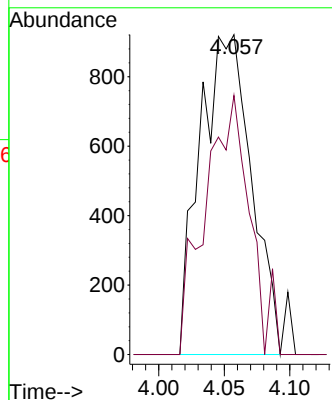
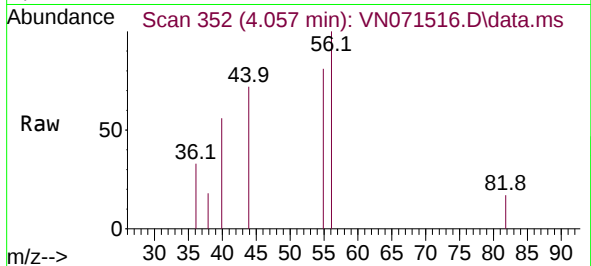




#13
Acrolein
Concen: 2.709 ug/l
RT: 4.057 min Scan# 349
Delta R.T. 0.017 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

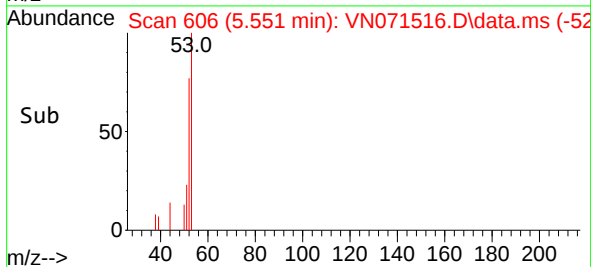
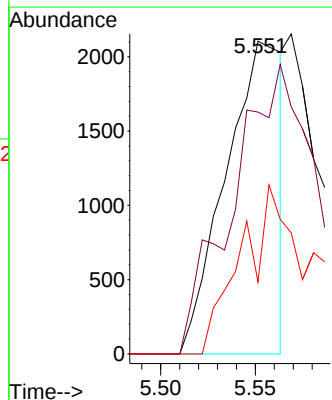
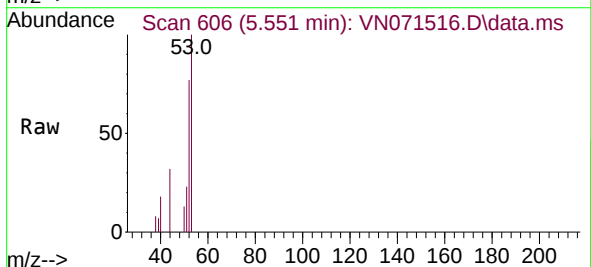
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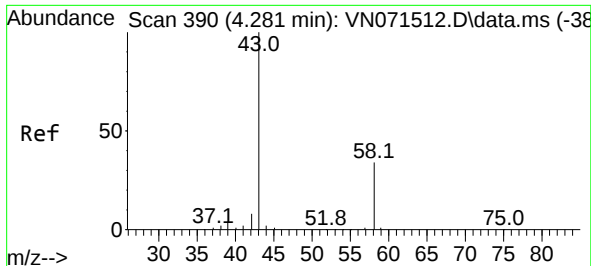
Tgt Ion: 56 Resp: 2521
Ion Ratio Lower Upper
56 100
55 28.5 57.6 86.4#



#14
Acrylonitrile
Concen: 1.092 ug/l
RT: 5.551 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 53 Resp: 4327
Ion Ratio Lower Upper
53 100
52 64.3 41.8 125.4
51 27.4 19.0 57.0





#15

Acetone

Concen: 0.786 ug/l

RT: 4.281 min Scan# 390

Delta R.T. -0.000 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Instrument :

MSVOA_N

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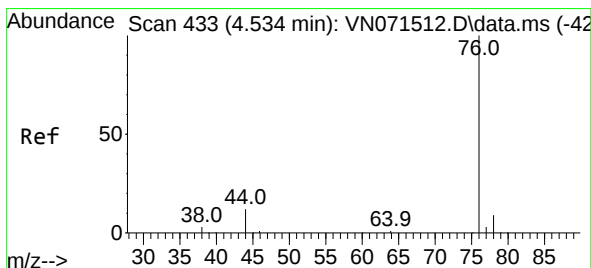
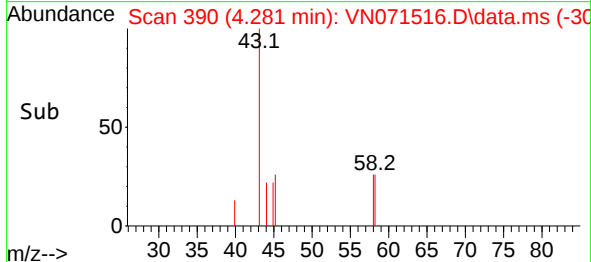
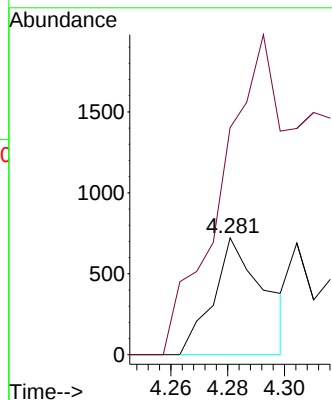
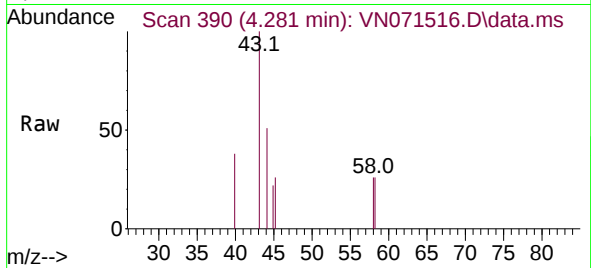
IBLK

Tgt Ion: 58 Resp: 896

Ion Ratio Lower Upper

58 100

43 131.9 256.6 384.8#



#16

Carbon Disulfide

Concen: 1.190 ug/l

RT: 4.540 min Scan# 434

Delta R.T. 0.006 min

Lab File: VN071516.D

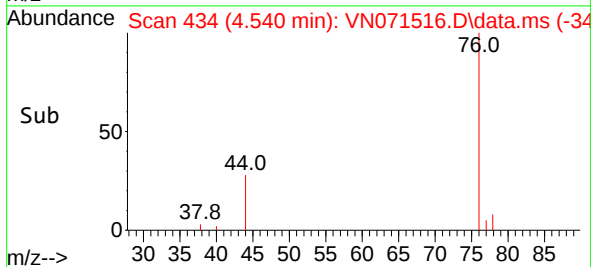
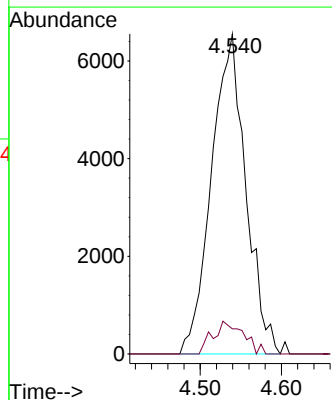
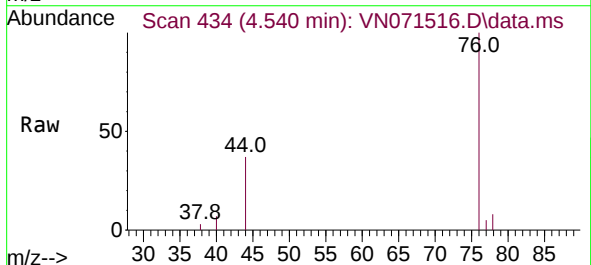
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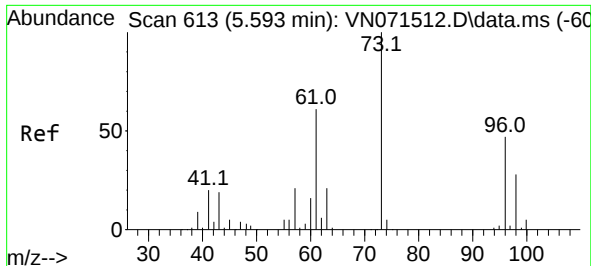
Tgt Ion: 76 Resp: 19237

Ion Ratio Lower Upper

76 100

78 7.9 7.8 11.8





#19

trans-1,2-Dichloroethene

Concen: 0.302 ug/l

RT: 5.598 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

IBLK

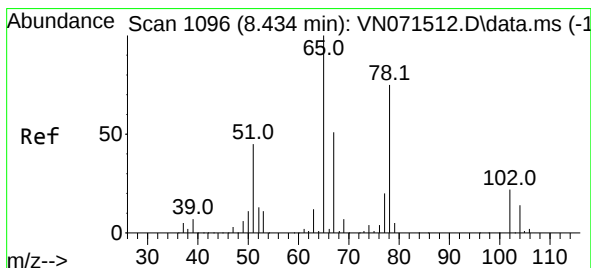
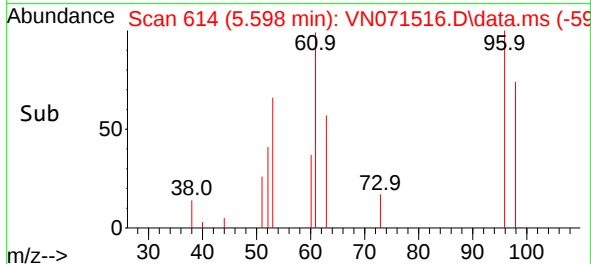
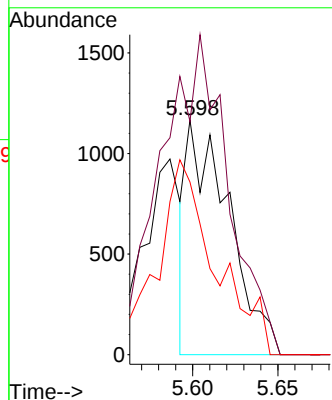
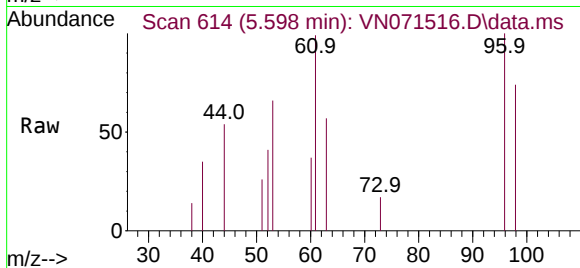
Tgt Ion: 96 Resp: 2002

Ion Ratio Lower Upper

96 100

61 99.3 102.8 154.2#

98 73.5 49.3 73.9



#27

1,2-Dichloroethane-d4

Concen: 31.295 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071516.D

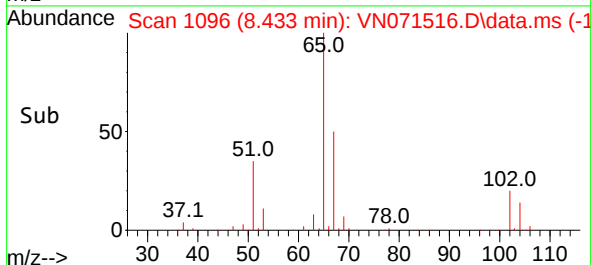
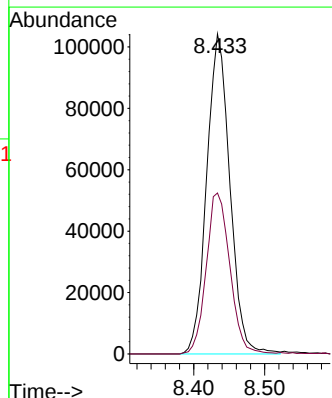
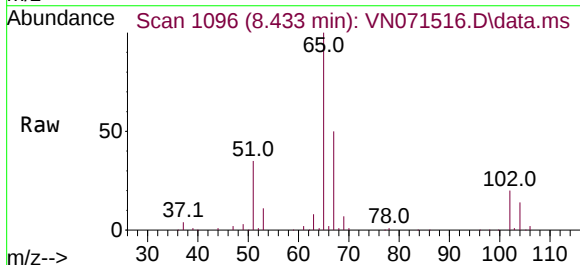
Acq: 24 Mar 2022 12:05

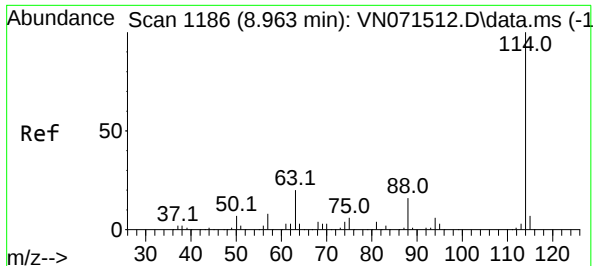
Tgt Ion: 65 Resp: 236261

Ion Ratio Lower Upper

65 100

67 51.3 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

IBLK

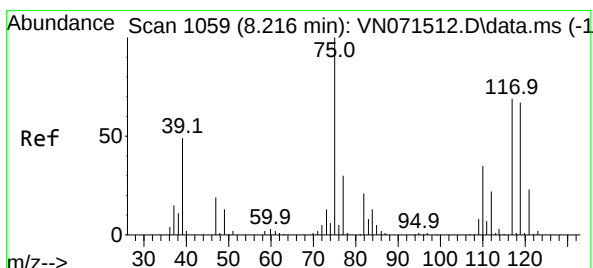
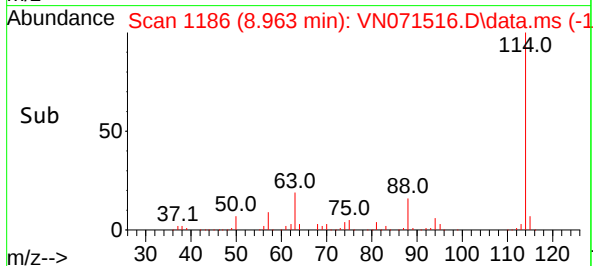
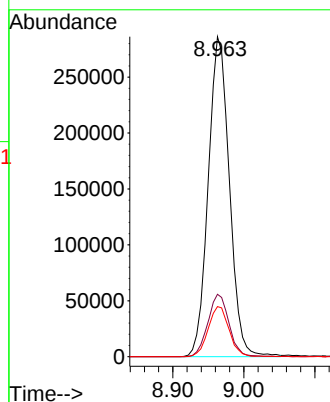
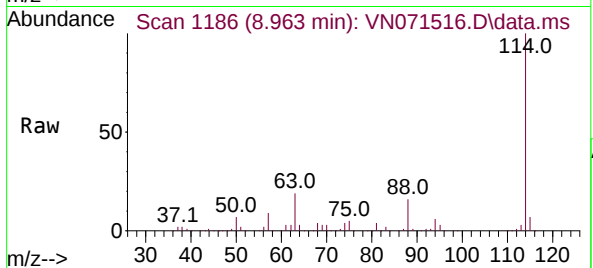
Tgt Ion:114 Resp: 592606

Ion Ratio Lower Upper

114 100

63 19.4 15.8 23.6

88 15.4 11.6 17.4



#29

1,1-Dichloropropene

Concen: 0.337 ug/l

RT: 8.222 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

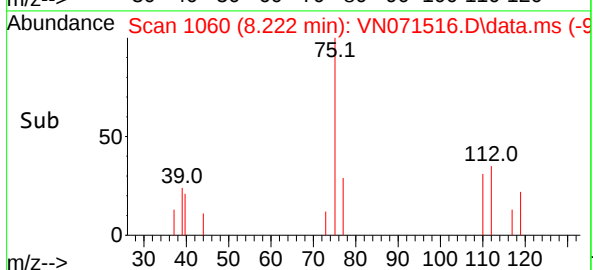
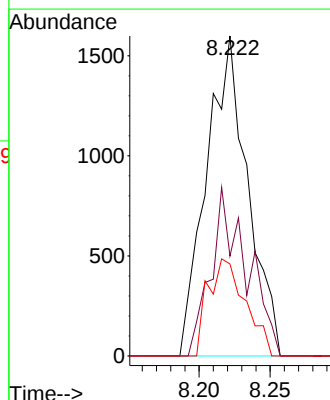
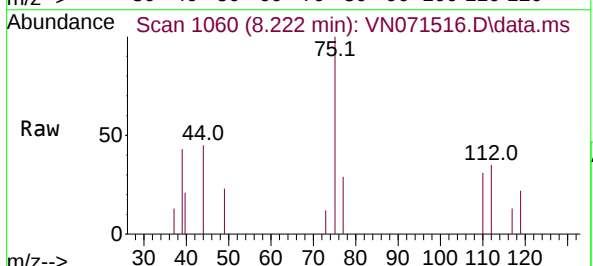
Tgt Ion: 75 Resp: 3230

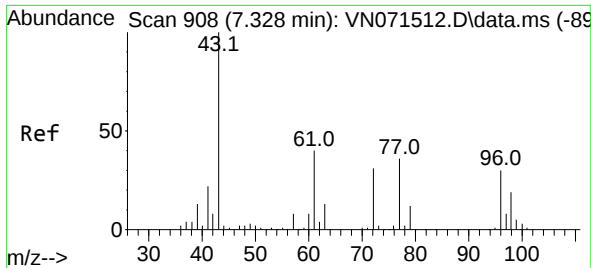
Ion Ratio Lower Upper

75 100

110 35.6 0.0 74.2

77 27.4 0.0 63.2

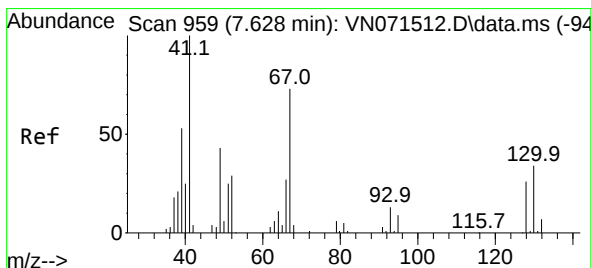
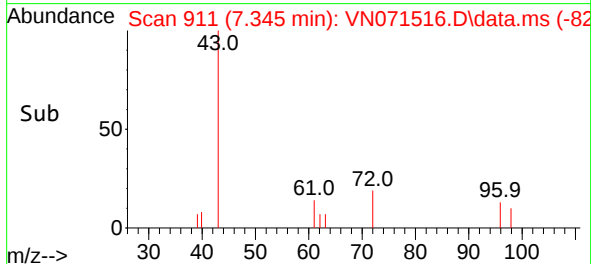
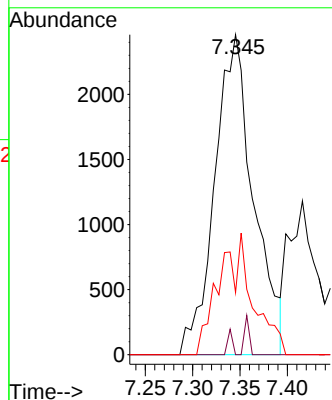
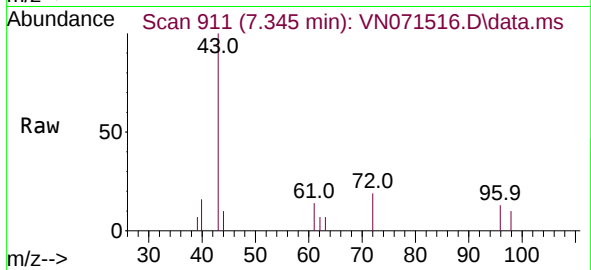




#30
2-Butanone
Concen: 1.312 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

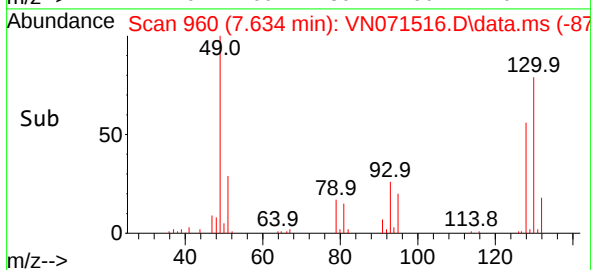
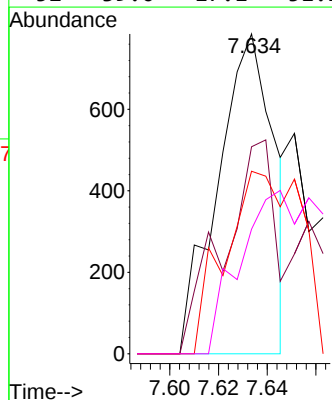
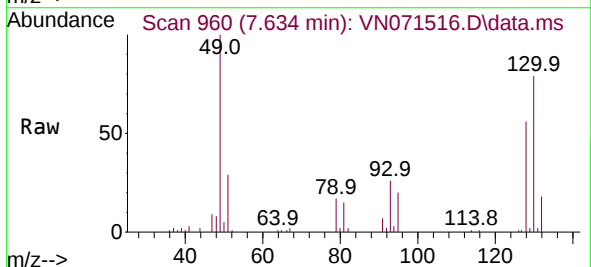
Instrument :
MSVOA_N
ClientSampleId :
IBLK

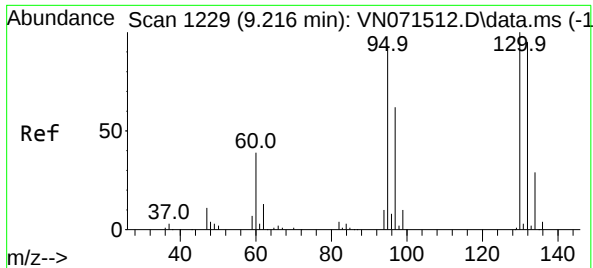
Tgt Ion: 43 Resp: 7006
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 17.7 23.2 34.8#



#35
Methacrylonitrile
Concen: 0.246 ug/l
RT: 7.634 min Scan# 960
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 41 Resp: 1260
Ion Ratio Lower Upper
41 100
39 64.7 28.0 83.9
67 57.1 37.7 113.1
52 39.0 17.1 51.2





#37

Trichloroethene

Concen: 0.402 ug/l

RT: 9.216 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

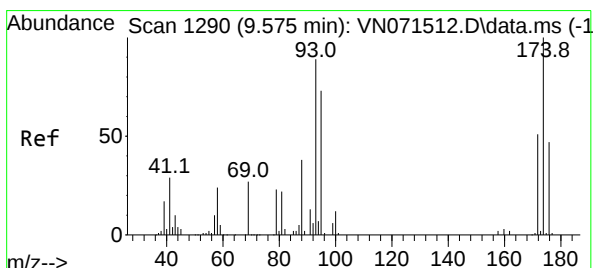
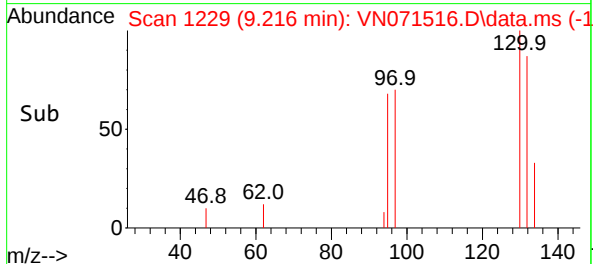
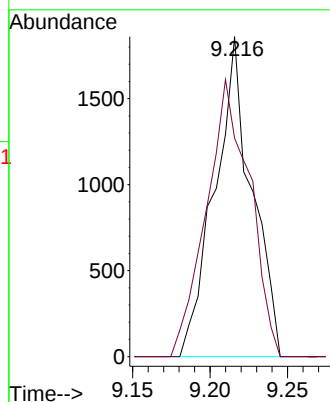
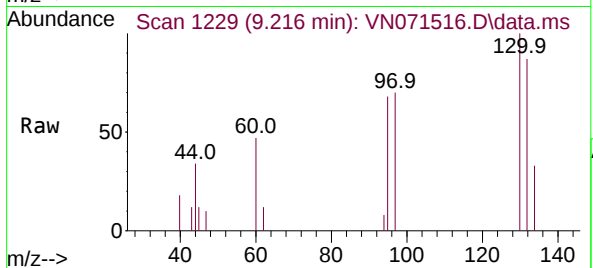
IBLK

Tgt Ion:130 Resp: 3090

Ion Ratio Lower Upper

130 100

95 68.2 76.6 115.0#



#40

Dibromomethane

Concen: 0.443 ug/l

RT: 9.569 min Scan# 1289

Delta R.T. -0.006 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

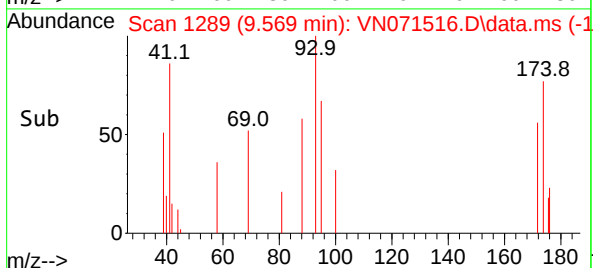
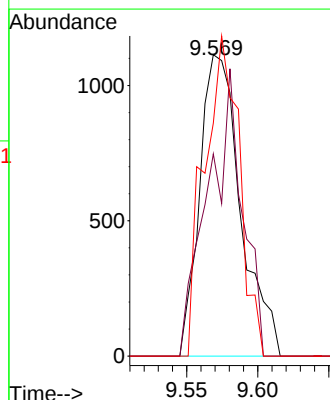
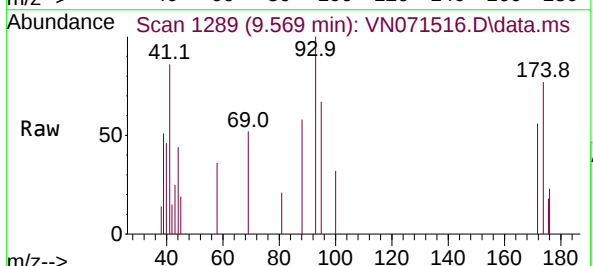
Tgt Ion: 93 Resp: 2237

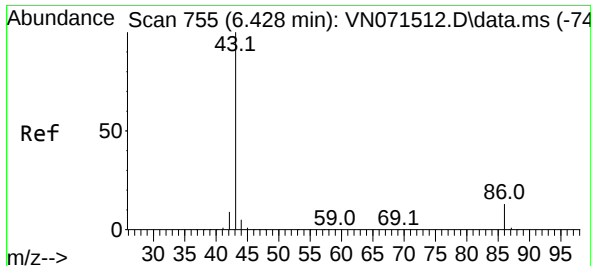
Ion Ratio Lower Upper

93 100

95 40.4 0.0 168.8

174 90.5 0.0 173.6

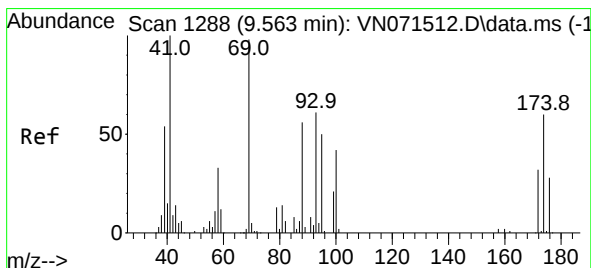
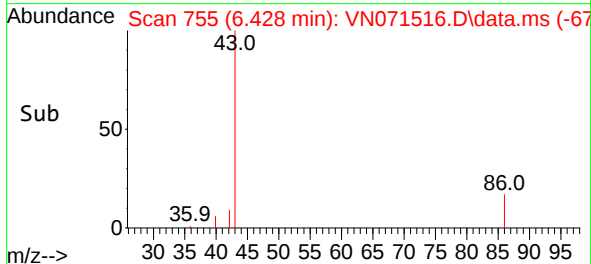
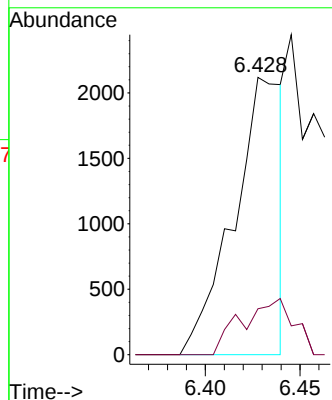
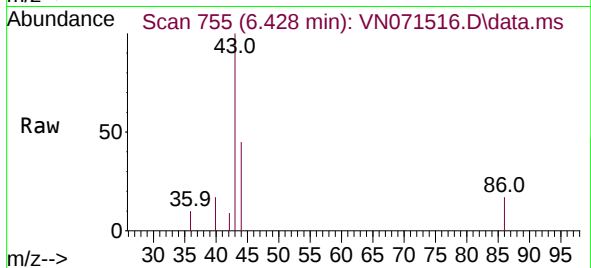




#42
 Vinyl Acetate
 Concen: 0.206 ug/l
 RT: 6.428 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VN071516.D
 Acq: 24 Mar 2022 12:05

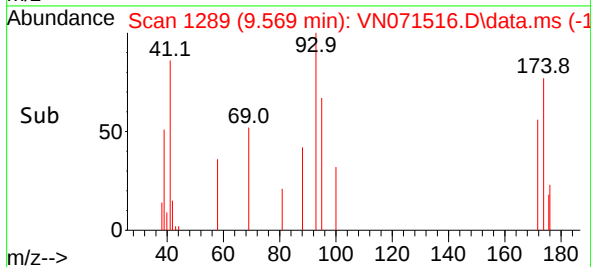
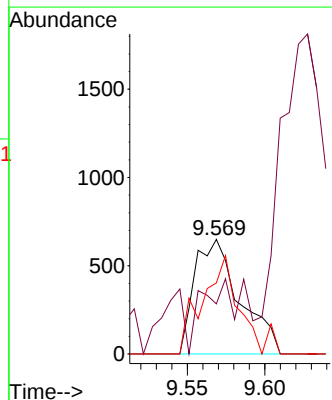
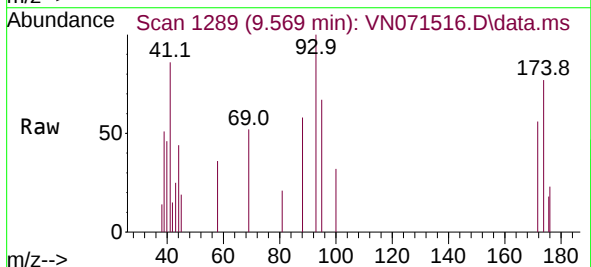
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

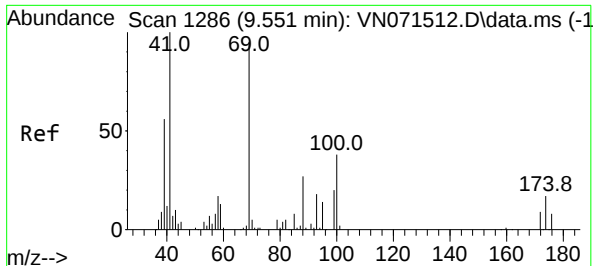
Tgt Ion: 43 Resp: 3769
 Ion Ratio Lower Upper
 43 100
 86 6.5 7.5 11.3#



#45
 1,4-Dioxane
 Concen: 7.897 ug/l
 RT: 9.569 min Scan# 1289
 Delta R.T. 0.006 min
 Lab File: VN071516.D
 Acq: 24 Mar 2022 12:05

Tgt Ion: 88 Resp: 1323
 Ion Ratio Lower Upper
 88 100
 43 6.1 25.0 37.6#
 58 66.7 49.4 74.2

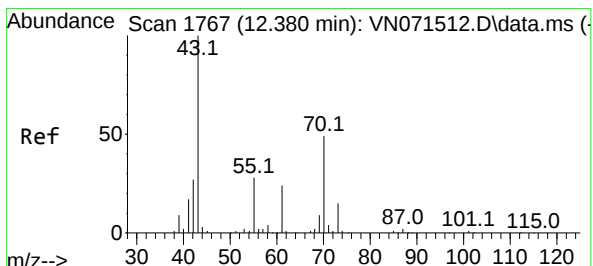
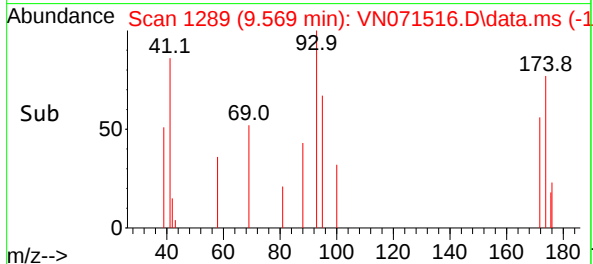
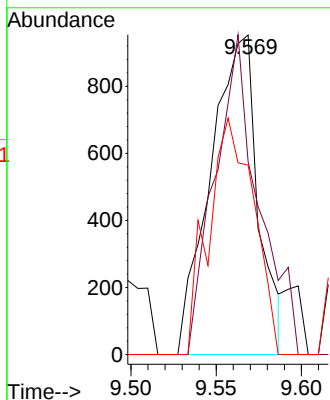
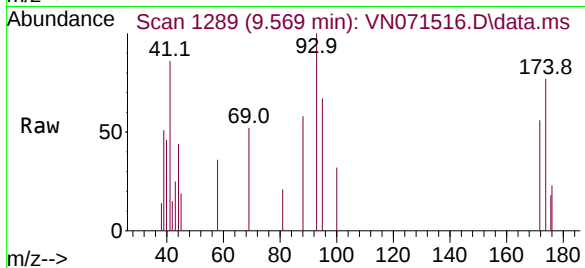




#46
Methyl methacrylate
Concen: 0.255 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

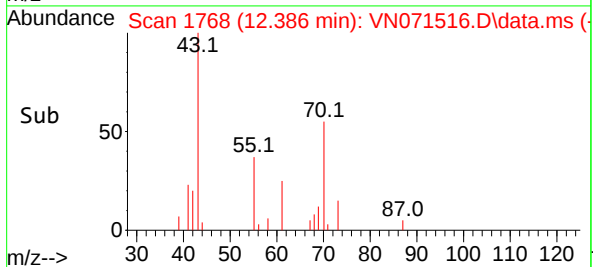
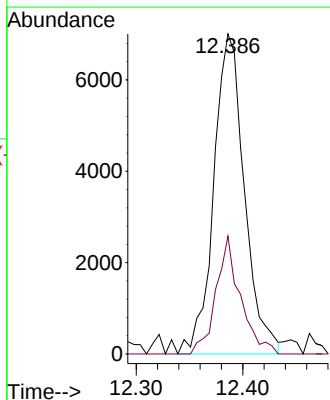
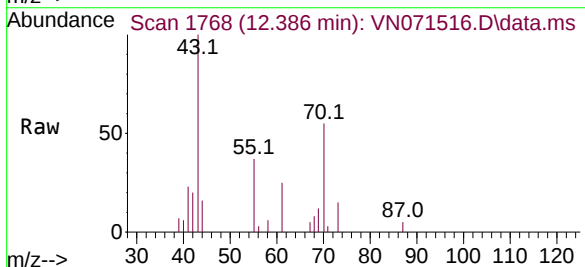
Instrument :
MSVOA_N
ClientSampleId :
IBLK

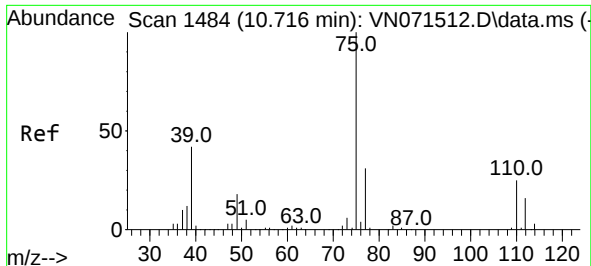
Tgt Ion: 41 Resp: 1859
Ion Ratio Lower Upper
41 100
69 60.3 44.4 133.2
39 59.3 39.9 119.6



#47
n-amy1 Acetate
Concen: 1.263 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 43 Resp: 14000
Ion Ratio Lower Upper
43 100
55 28.3 19.0 28.6





#48

t-1,3-Dichloropropene

Concen: 0.276 ug/l

RT: 10.716 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

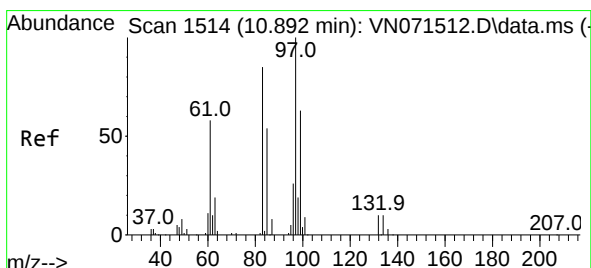
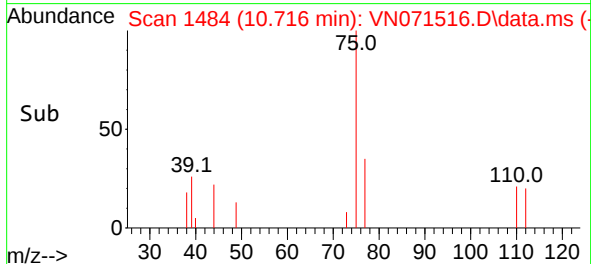
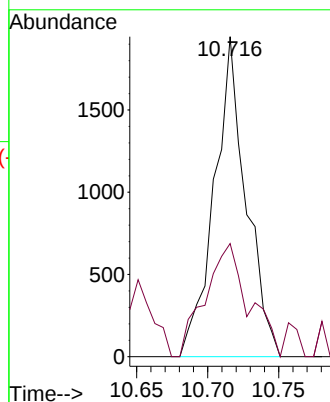
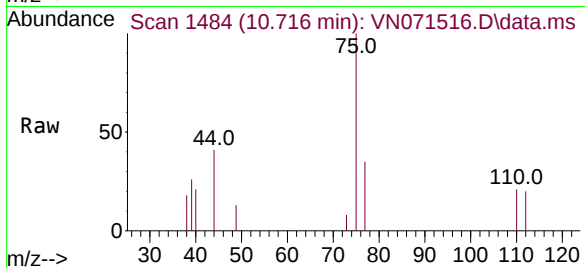
IBLK

Tgt Ion: 75 Resp: 3032

Ion Ratio Lower Upper

75 100

77 35.4 25.3 37.9



#50

1,1,2-Trichloroethane

Concen: 0.215 ug/l

RT: 10.898 min Scan# 1515

Delta R.T. 0.006 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Tgt Ion: 97 Resp: 1619

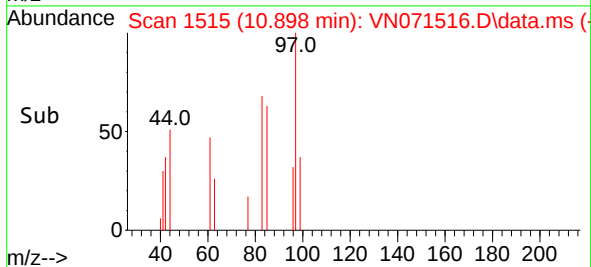
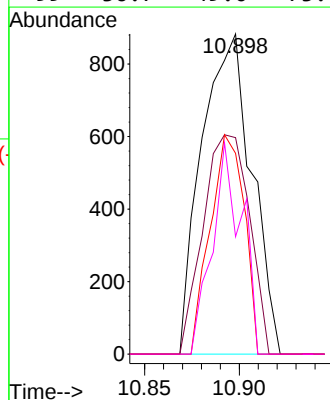
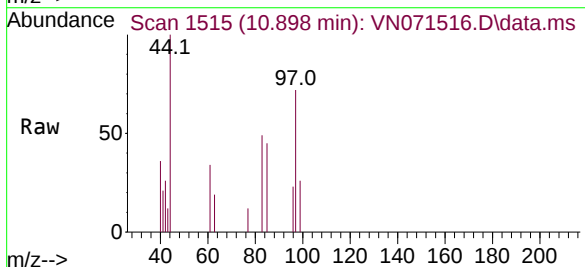
Ion Ratio Lower Upper

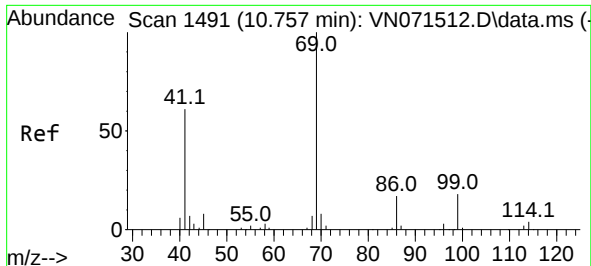
97 100

83 67.6 67.2 100.8

85 62.7 43.0 64.4

99 36.7 49.0 73.4#

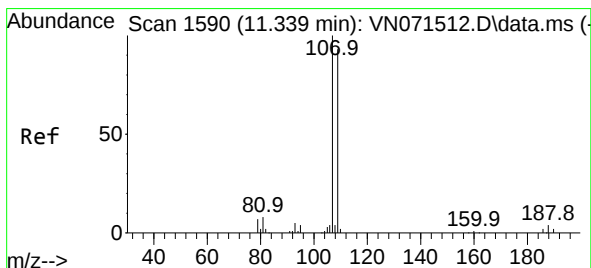
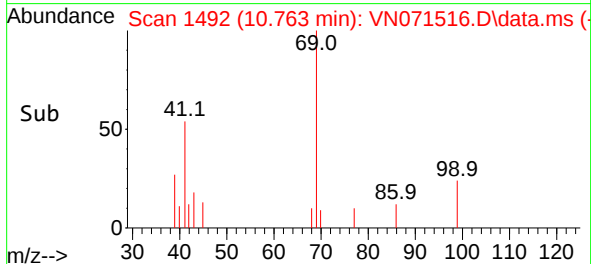
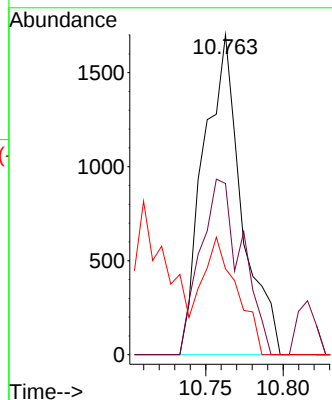
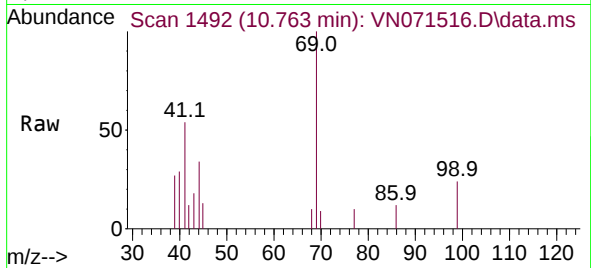




#51
Ethyl methacrylate
Concen: 0.250 ug/l
RT: 10.763 min Scan# 1491
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

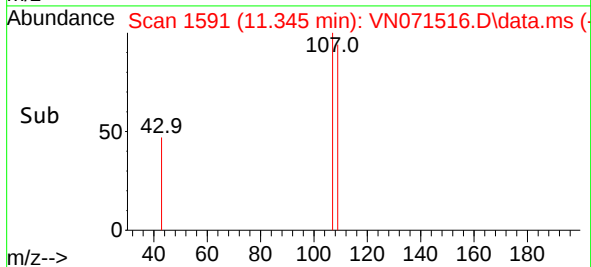
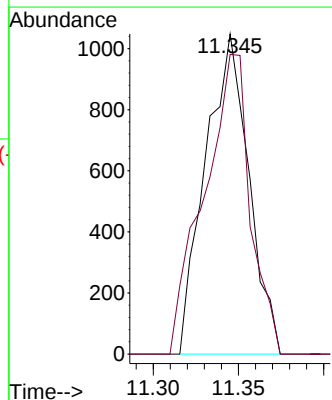
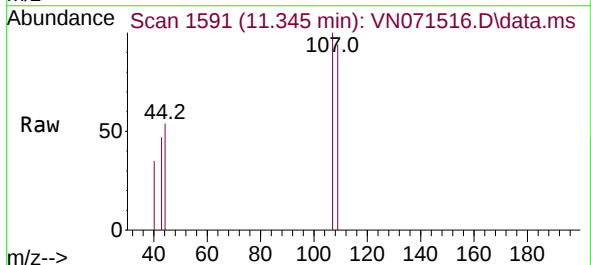
Instrument :
MSVOA_N
ClientSampleId :
IBLK

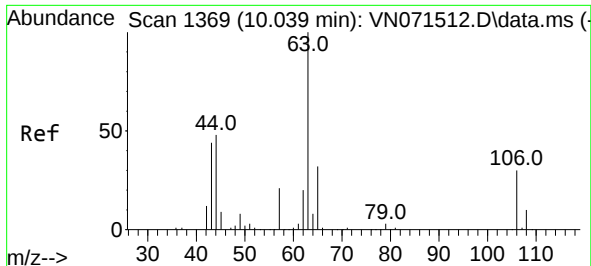
Tgt Ion: 69 Resp: 2909
Ion Ratio Lower Upper
69 100
41 53.5 33.0 98.9
39 26.9 25.4 76.4



#54
1,2-Dibromoethane
Concen: 0.239 ug/l
RT: 11.345 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 107 Resp: 1851
Ion Ratio Lower Upper
107 100
109 99.8 72.8 109.2





#55

2-Chloroethyl vinyl ether

Concen: 0.209 ug/l

RT: 10.033 min Scan# 1369

Delta R.T. -0.006 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

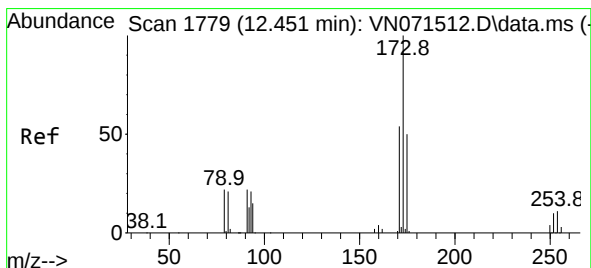
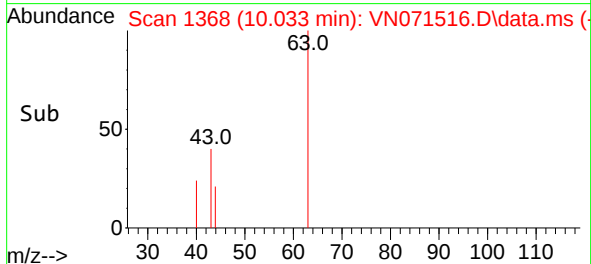
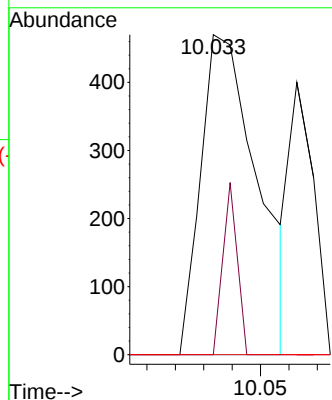
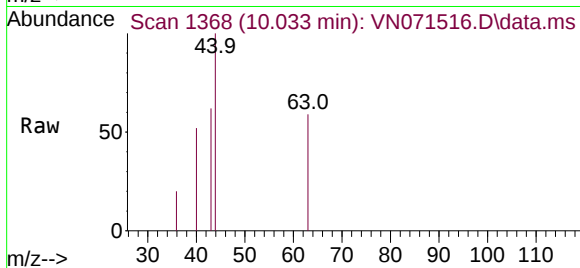
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:	63	Resp:	655
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.4	38.0#
106	0.0	23.2	34.8#



#56

Bromoform

Concen: 0.268 ug/l

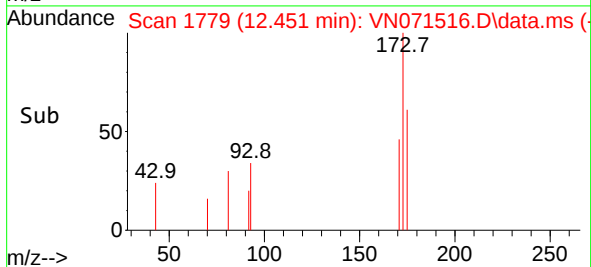
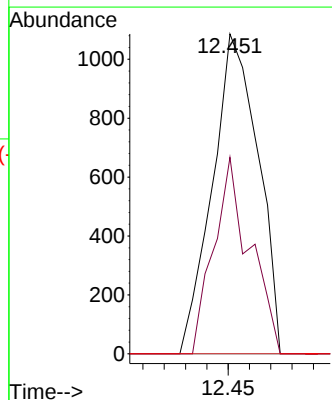
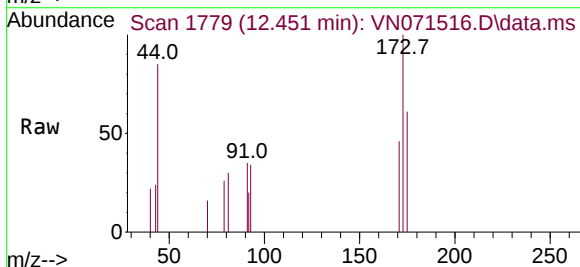
RT: 12.451 min Scan# 1779

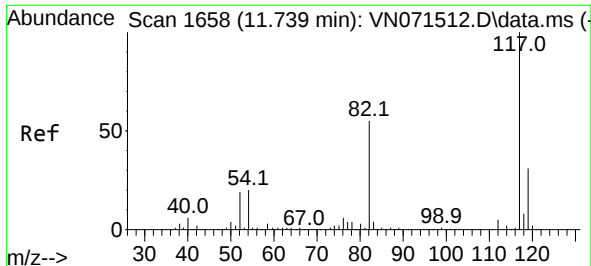
Delta R.T. -0.000 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Tgt Ion:	173	Resp:	1615
Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	58.0
254	0.0	0.0	0.0

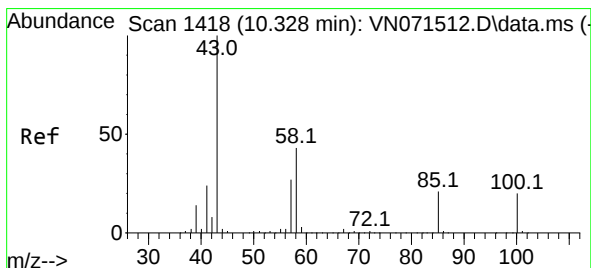
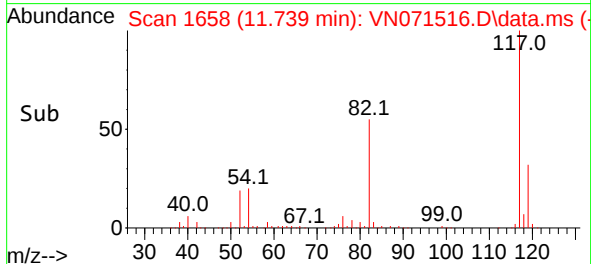
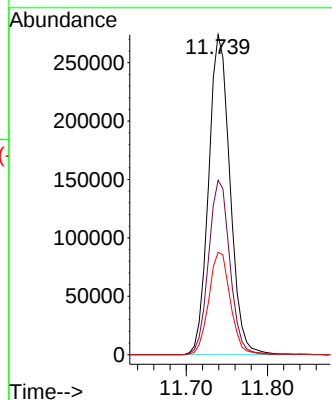
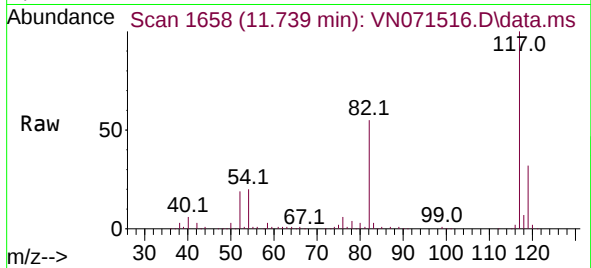




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

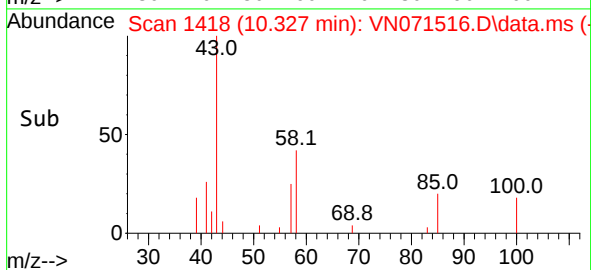
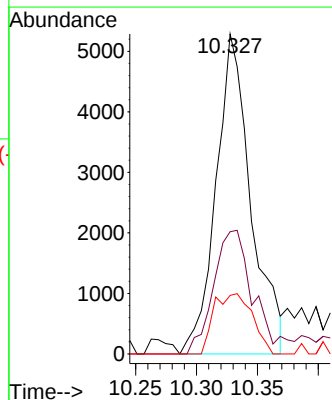
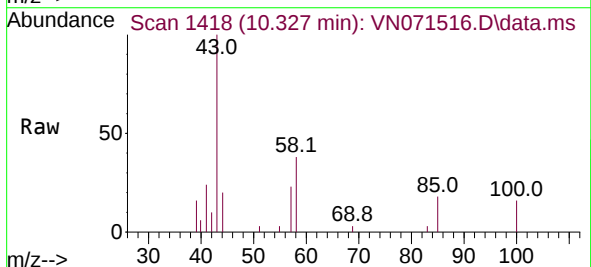
Instrument :
MSVOA_N
ClientSampleId :
IBLK

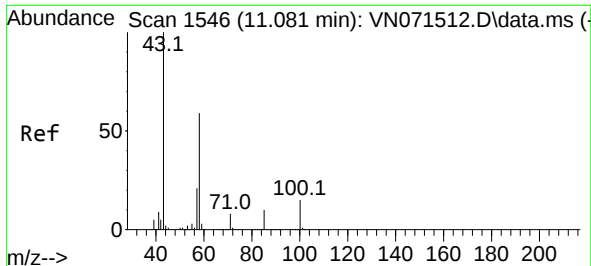
Tgt Ion:117 Resp: 501758
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 32.2 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 1.105 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 43 Resp: 10523
Ion Ratio Lower Upper
43 100
58 42.2 30.0 45.0
85 13.6 15.0 22.6#

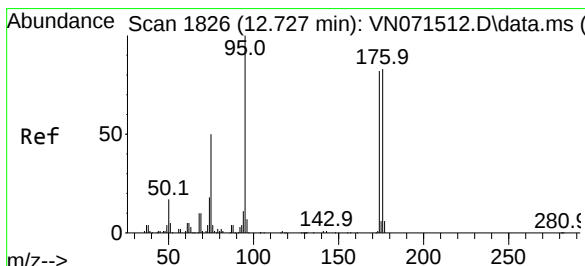
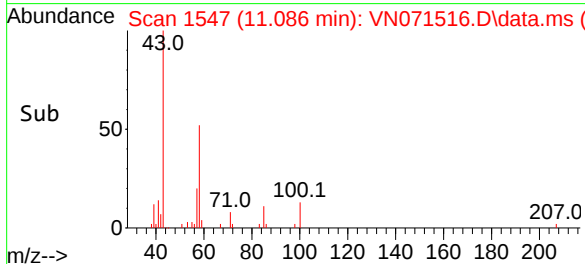
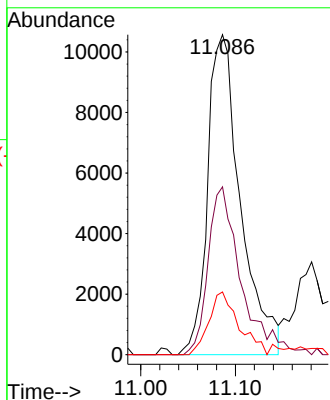
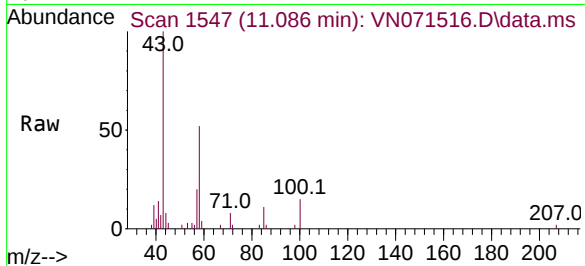




#59
2-Hexanone
Concen: 3.681 ug/l
RT: 11.086 min Scan# 11086
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

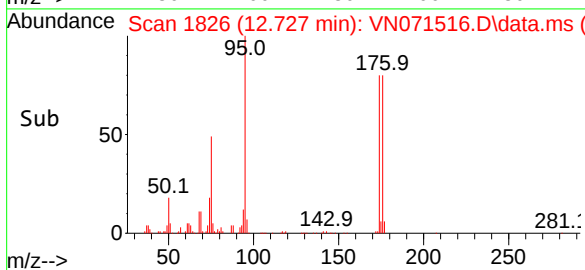
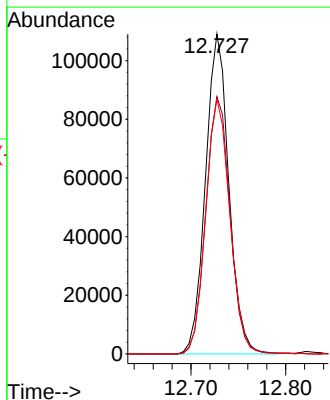
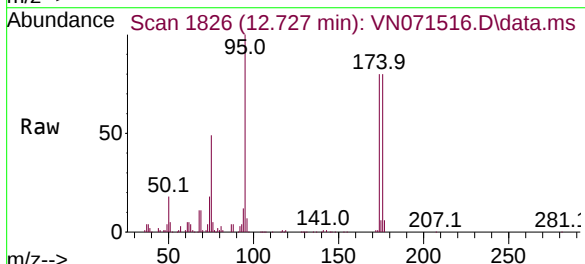
Instrument :
MSVOA_N
ClientSampleId :
IBLK

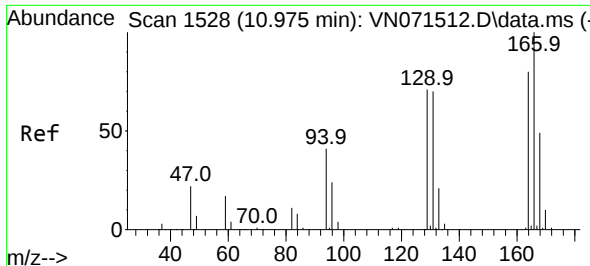
Tgt Ion: 43 Resp: 25595
Ion Ratio Lower Upper
43 100
58 46.9 42.2 63.2
57 15.6 15.0 22.4



#60
4-Bromofluorobenzene
Concen: 25.197 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 95 Resp: 187459
Ion Ratio Lower Upper
95 100
174 83.2 62.9 94.3
176 82.1 61.0 91.4

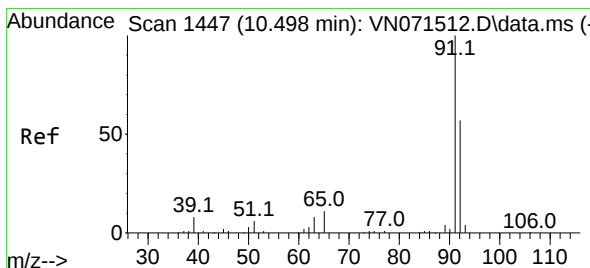
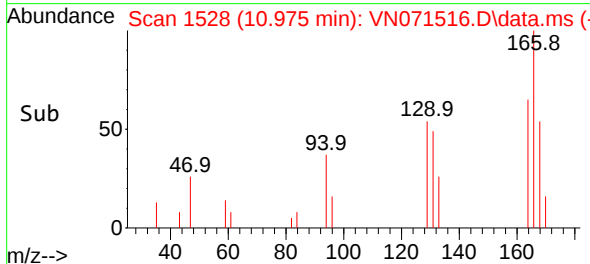
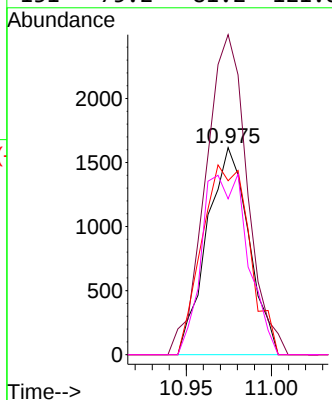
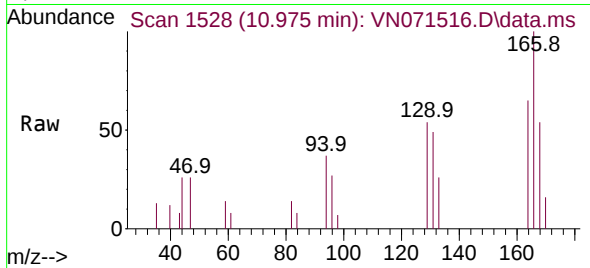




#61
Tetrachloroethene
Concen: 0.454 ug/l
RT: 10.975 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

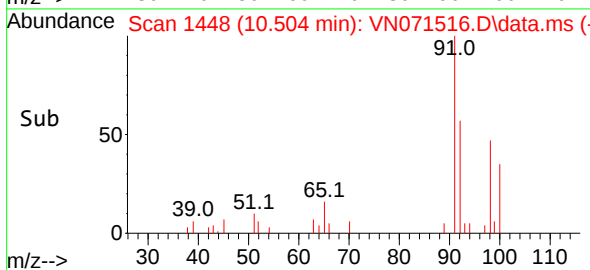
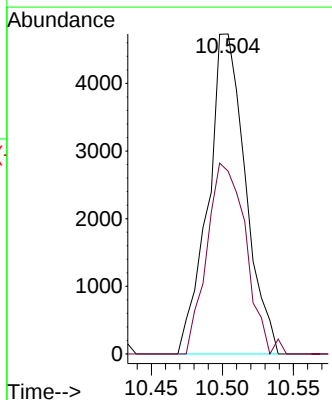
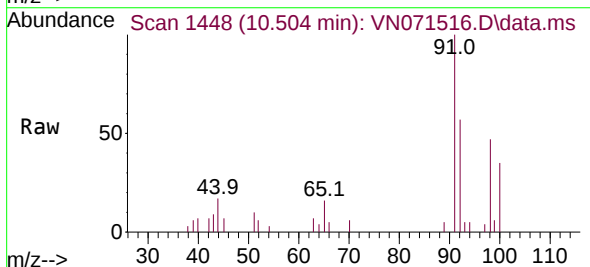
Instrument :
MSVOA_N
ClientSampleId :
IBLK

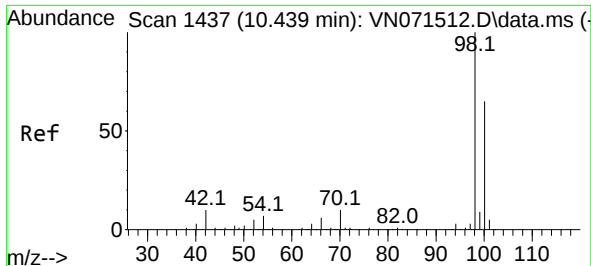
Tgt Ion:164 Resp: 2770
Ion Ratio Lower Upper
164 100
166 144.5 105.8 158.8
129 84.0 82.5 123.7
131 75.2 81.2 121.8#



#62
Toluene
Concen: 0.284 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 91 Resp: 8638
Ion Ratio Lower Upper
91 100
92 61.1 44.6 67.0

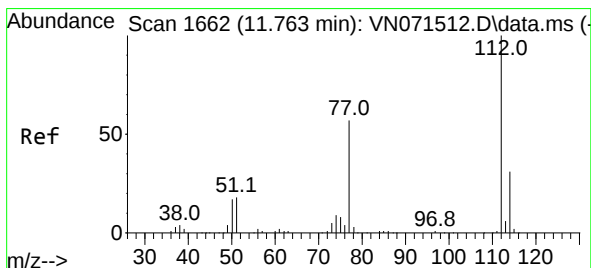
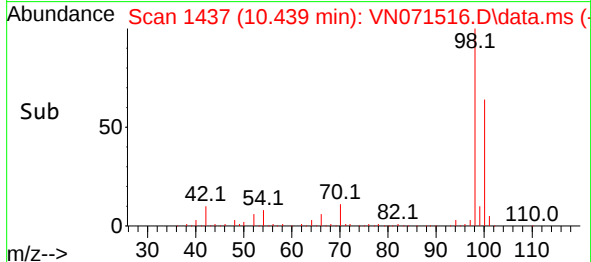
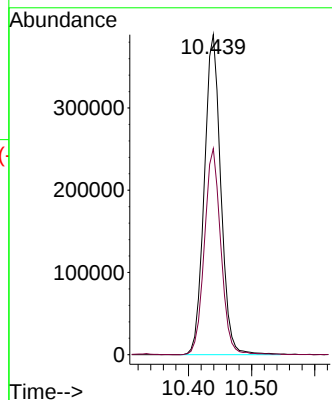
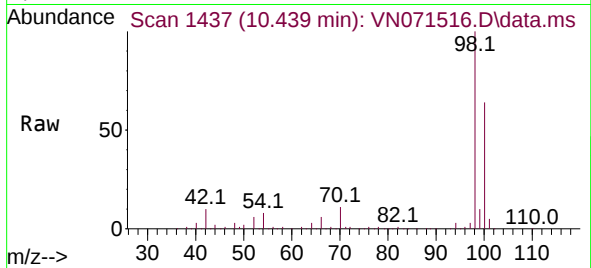




#63
Toluene-d8
Concen: 31.044 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

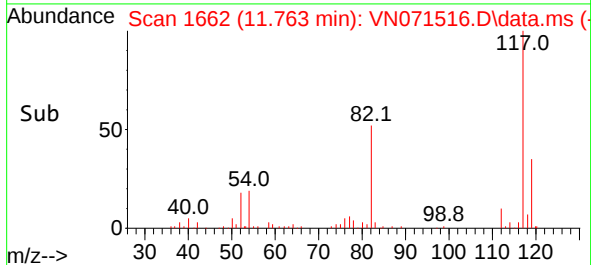
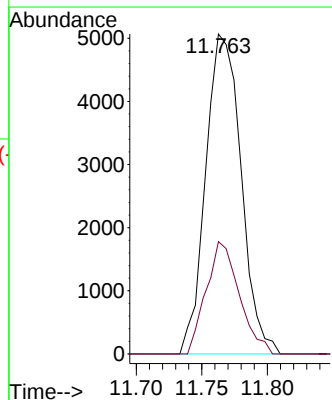
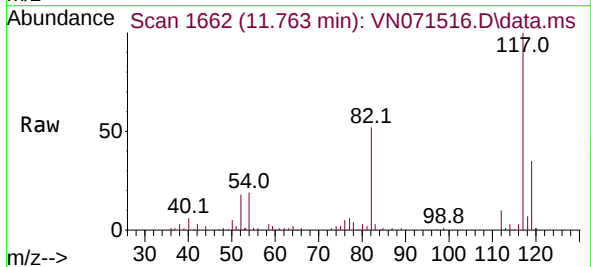
Instrument :
MSVOA_N
ClientSampleId :
IBLK

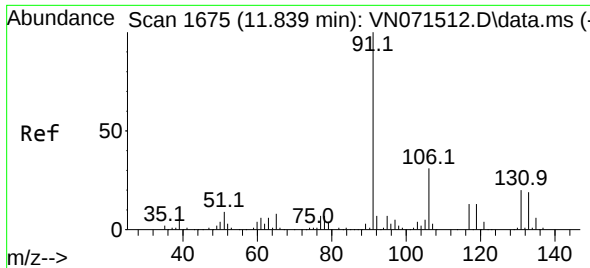
Tgt Ion: 98 Resp: 707080
Ion Ratio Lower Upper
98 100
100 64.1 50.6 76.0



#64
Chlorobenzene
Concen: 0.507 ug/l
RT: 11.763 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 112 Resp: 9522
Ion Ratio Lower Upper
112 100
114 35.1 25.8 38.6

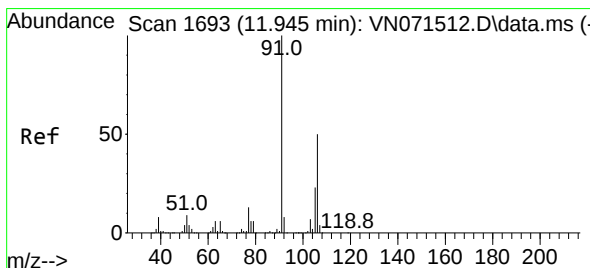
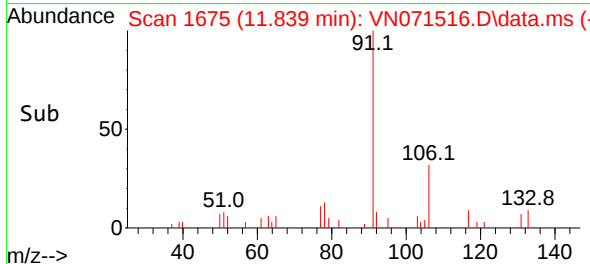
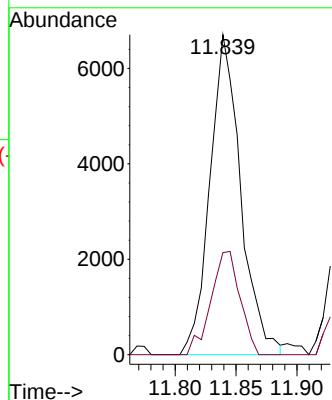
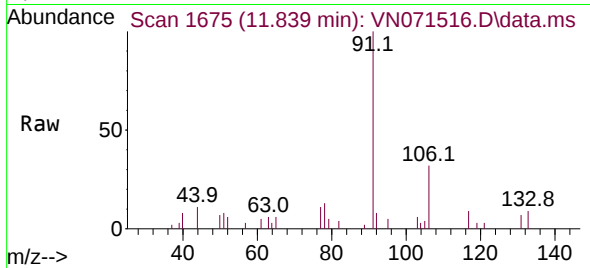




#66
Ethyl Benzene
Concen: 0.357 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

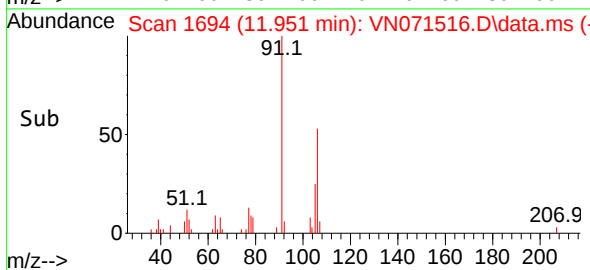
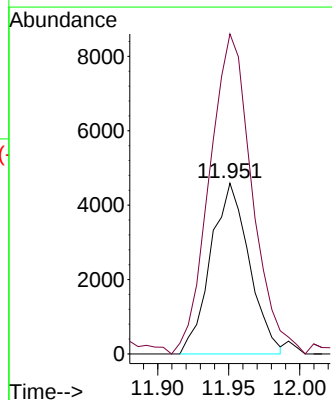
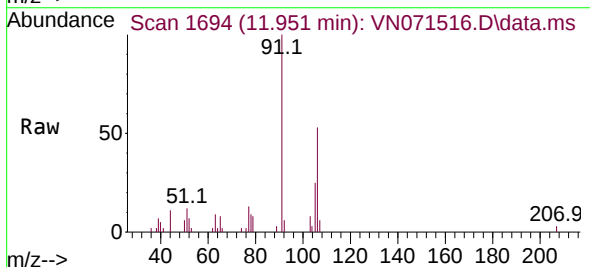
Instrument :
MSVOA_N
ClientSampleId :
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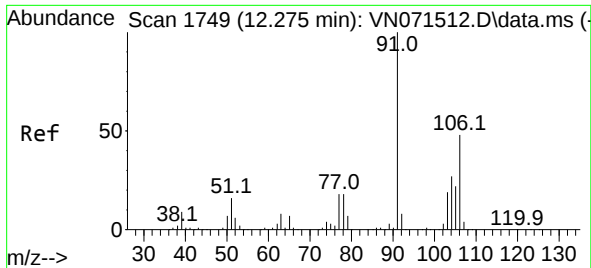
Tgt Ion: 91 Resp: 11793
Ion Ratio Lower Upper
91 100
106 31.9 24.0 36.0



#67
m/p-Xylenes
Concen: 0.674 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 106 Resp: 8674
Ion Ratio Lower Upper
106 100
91 206.5 162.9 244.3

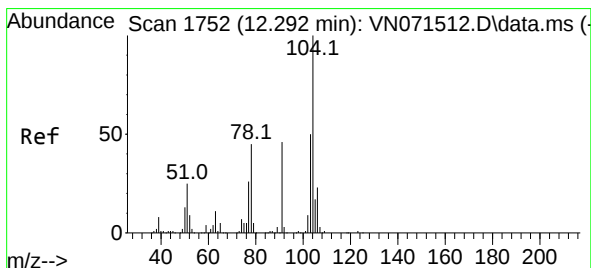
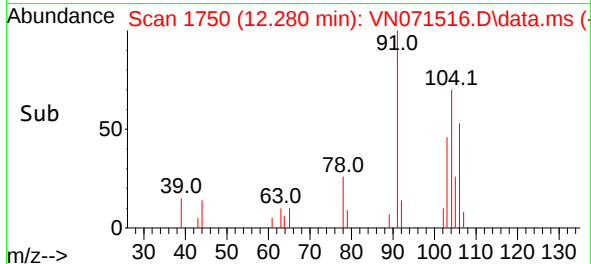
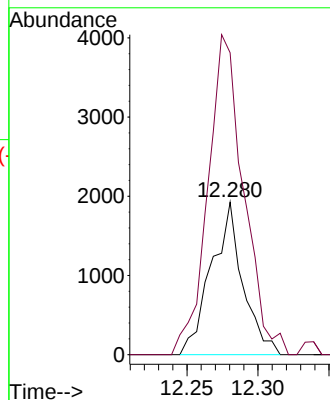
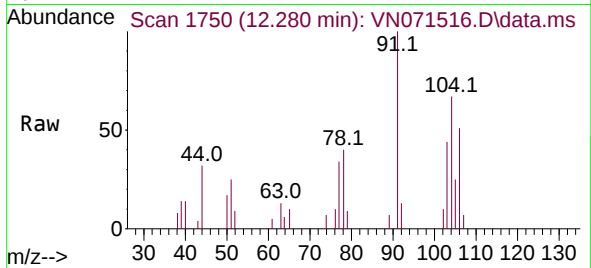




#68
o-Xylene
Concen: 0.233 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

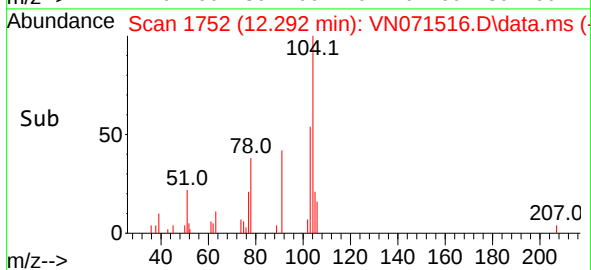
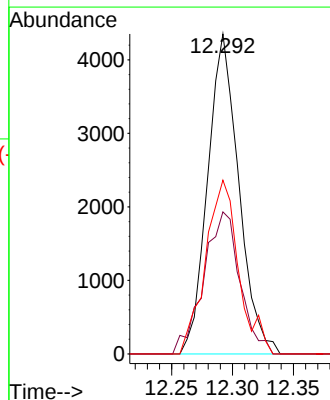
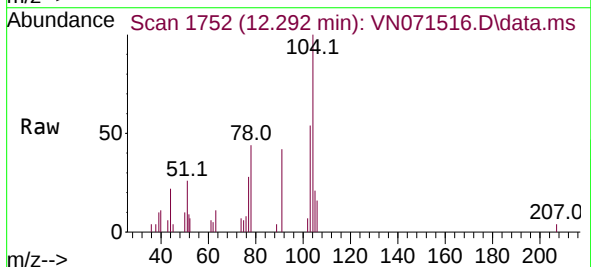
Instrument :
MSVOA_N
ClientSampleId :
IBLK

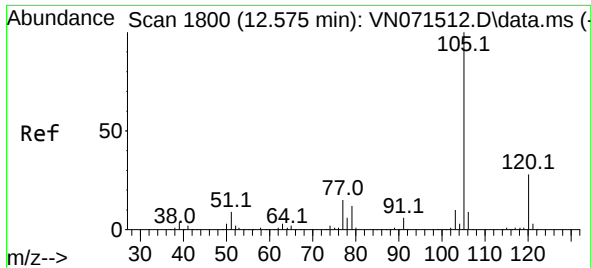
Tgt Ion:106 Resp: 2984
Ion Ratio Lower Upper
106 100
91 234.3 107.7 323.1



#69
Styrene
Concen: 0.384 ug/l
RT: 12.292 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion:104 Resp: 7731
Ion Ratio Lower Upper
104 100
78 51.7 40.7 61.1
103 54.7 45.8 68.8

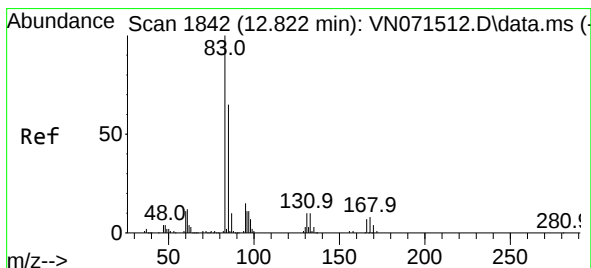
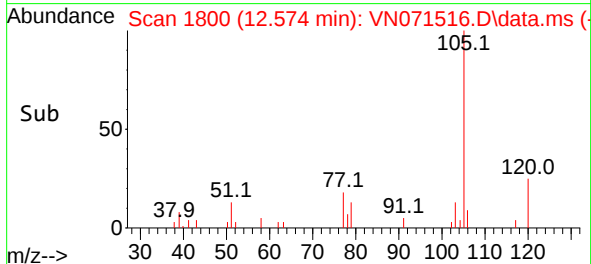
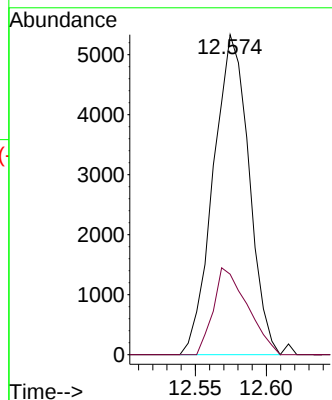
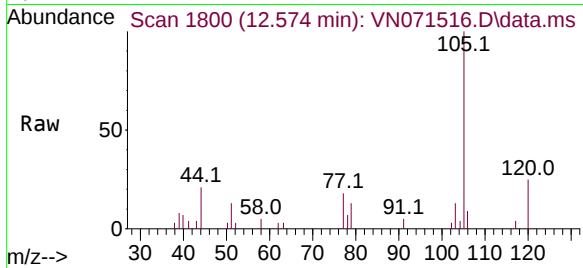




#70
Isopropylbenzene
Concen: 0.290 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

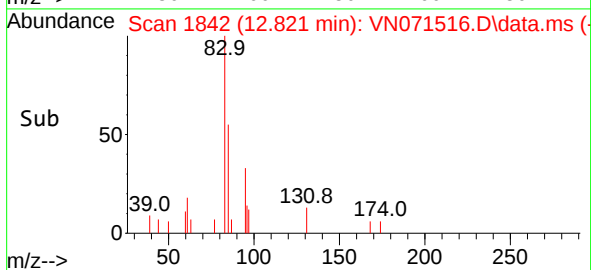
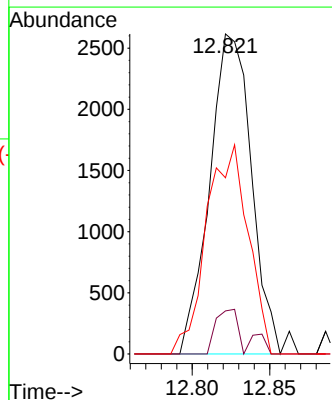
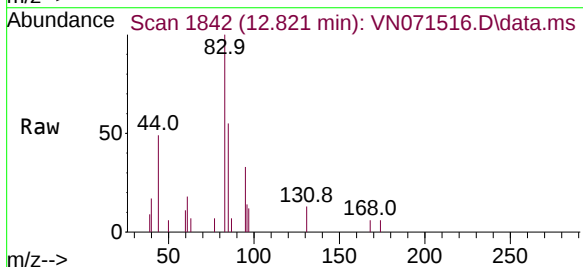
Instrument :
MSVOA_N
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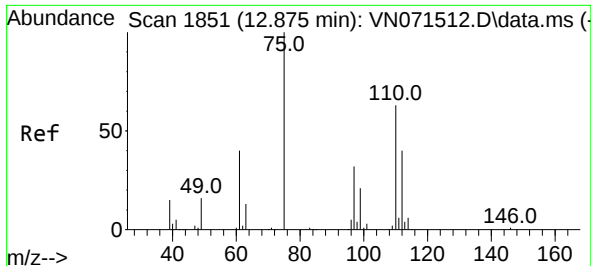
Tgt Ion:105 Resp: 9306
Ion Ratio Lower Upper
105 100
120 26.0 18.3 34.1



#71
1,1,2,2-Tetrachloroethane
Concen: 0.469 ug/l
RT: 12.821 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 83 Resp: 4896
Ion Ratio Lower Upper
83 100
131 7.3 5.1 15.3
85 65.3 33.1 99.2

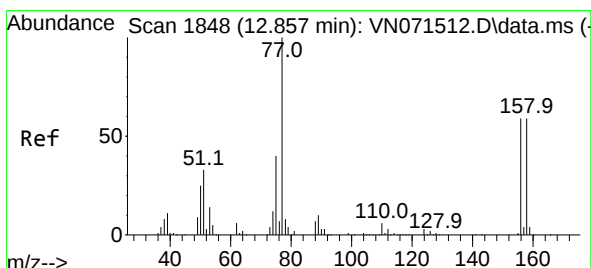
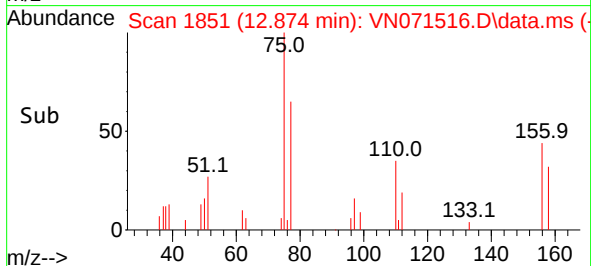
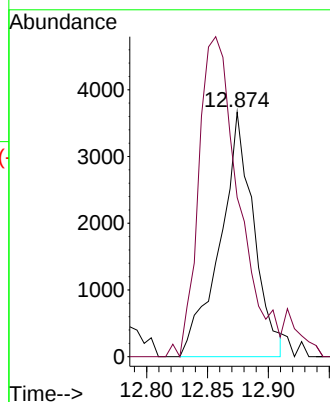
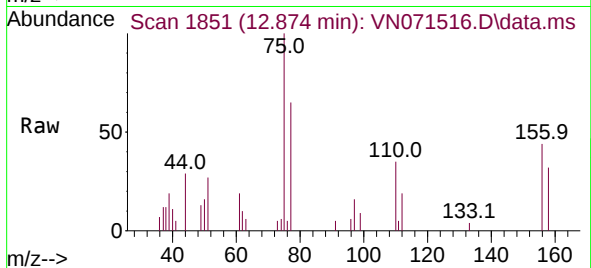




#72
1,2,3-Trichloropropane
Concen: 0.782 ug/l
RT: 12.874 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

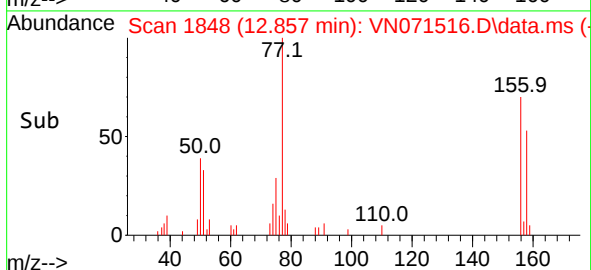
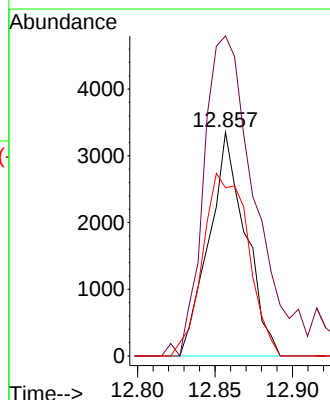
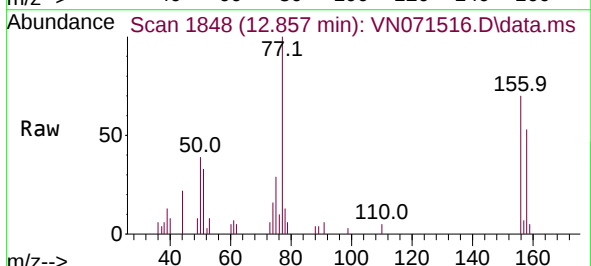
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MSVOA_N
ClientSampleId :
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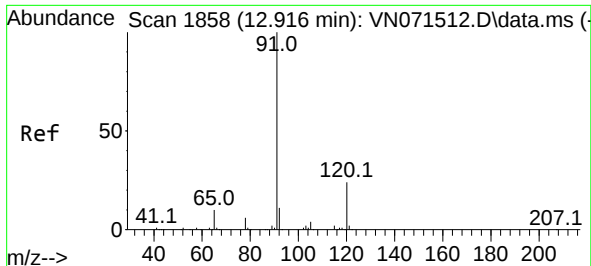
Tgt Ion: 75 Resp: 7018
Ion Ratio Lower Upper
75 100
77 150.8 0.0 378.0



#73
Bromobenzene
Concen: 0.701 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 156 Resp: 5488
Ion Ratio Lower Upper
156 100
77 192.9 0.0 416.0
158 100.9 0.0 195.4

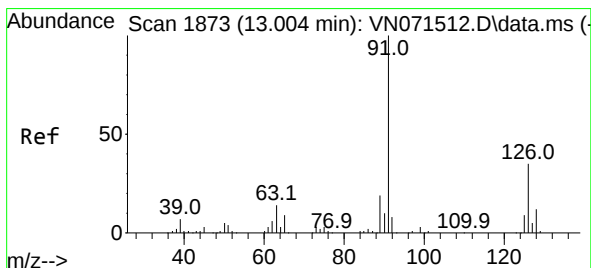
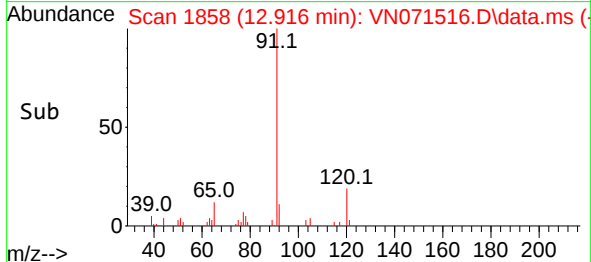
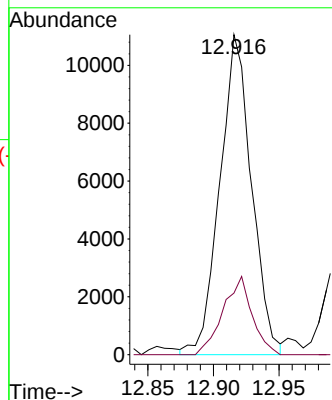
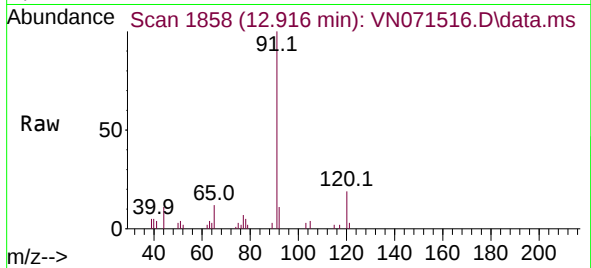




#74
n-propylbenzene
Concen: 0.531 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

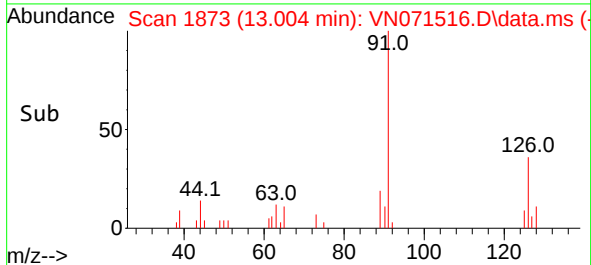
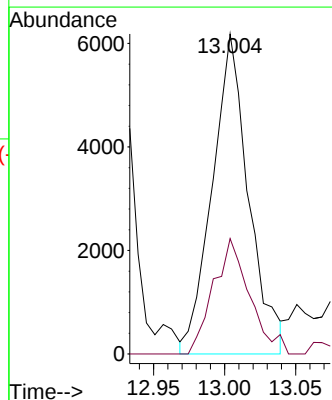
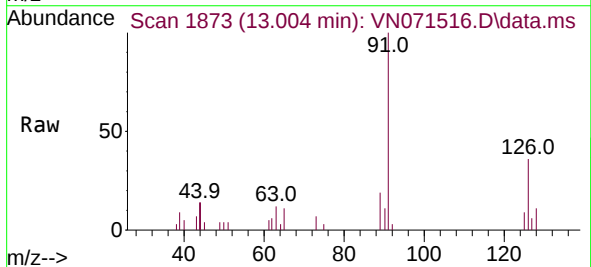
Instrument :
MSVOA_N
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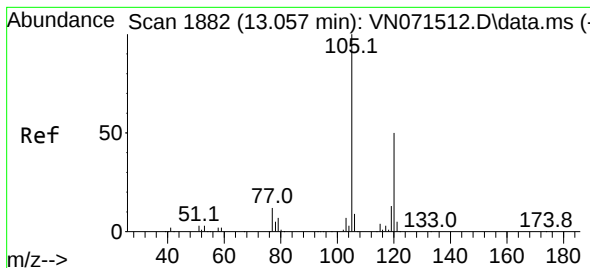
Tgt Ion: 91 Resp: 18590
Ion Ratio Lower Upper
91 100
120 22.5 0.0 45.0



#75
2-Chlorotoluene
Concen: 0.503 ug/l
RT: 13.004 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion: 91 Resp: 11002
Ion Ratio Lower Upper
91 100
126 34.7 0.0 69.8





#76

1,3,5-Trimethylbenzene

Concen: 0.346 ug/l

RT: 13.057 min Scan# 1882

Delta R.T. -0.000 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

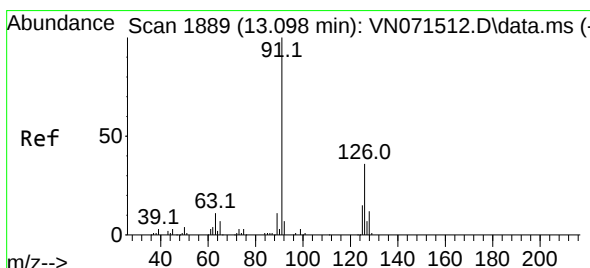
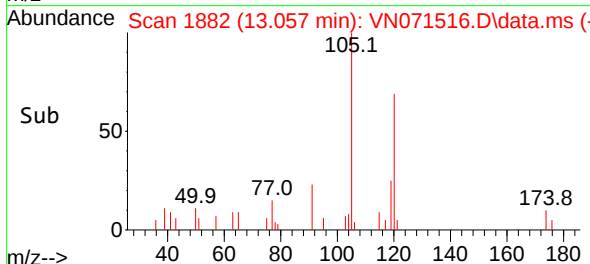
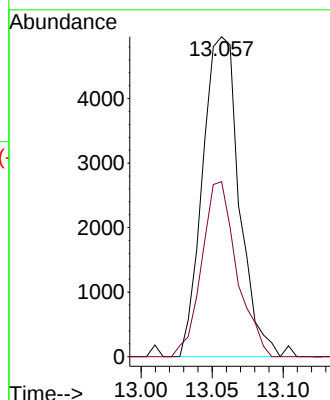
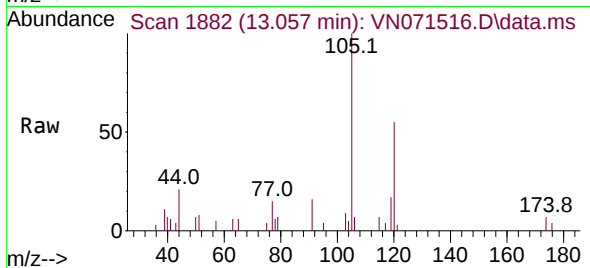
IBLK

Tgt Ion:105 Resp: 8896

Ion Ratio Lower Upper

105 100

120 52.2 0.0 93.8



#78

4-Chlorotoluene

Concen: 0.799 ug/l

RT: 13.104 min Scan# 1890

Delta R.T. 0.006 min

Lab File: VN071516.D

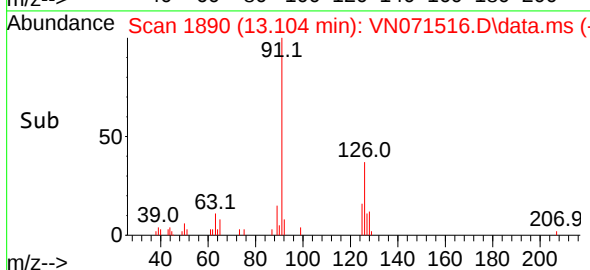
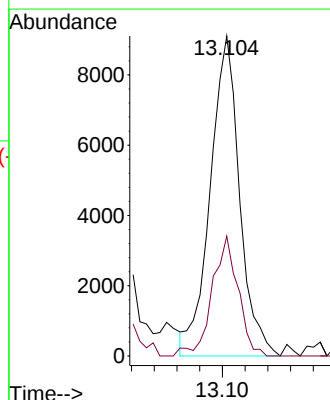
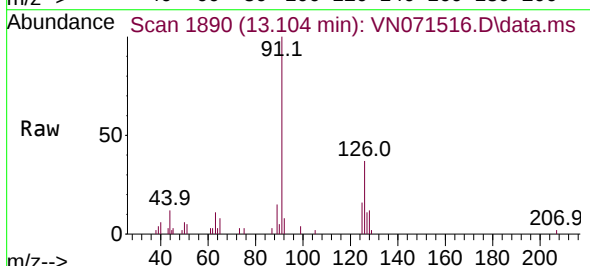
Acq: 24 Mar 2022 12:05

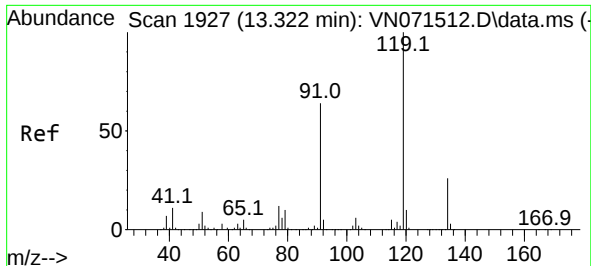
Tgt Ion: 91 Resp: 16334

Ion Ratio Lower Upper

91 100

126 31.9 0.0 70.6

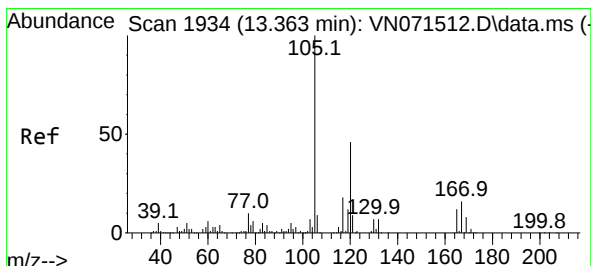
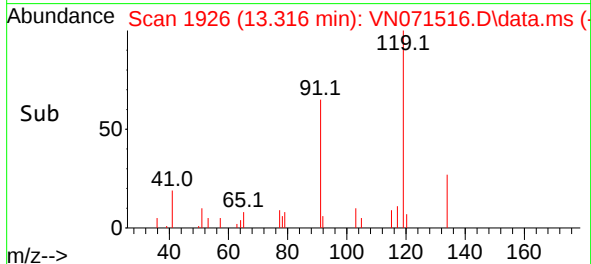
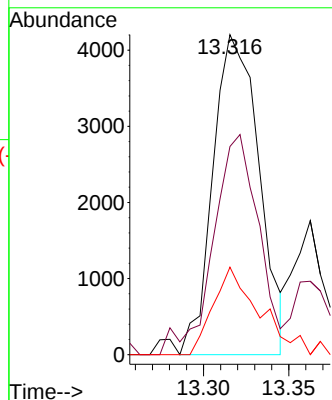
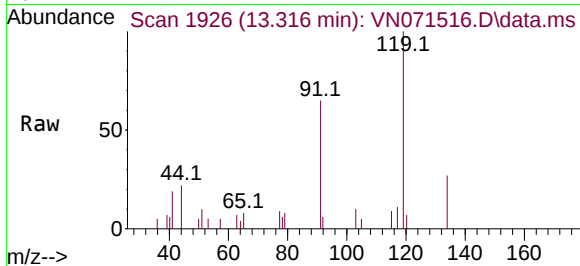




#79
tert-butylbenzene
Concen: 0.341 ug/l
RT: 13.316 min Scan# 1926
Delta R.T. -0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

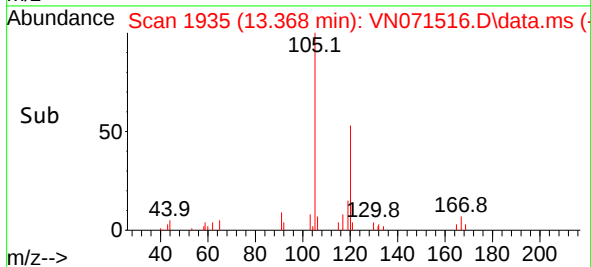
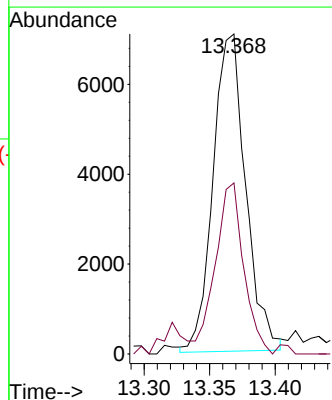
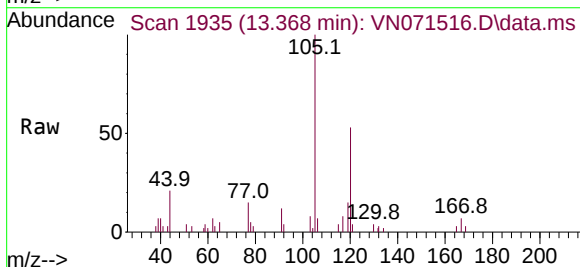
Instrument :
MSVOA_N
ClientSampleId :
IBLK

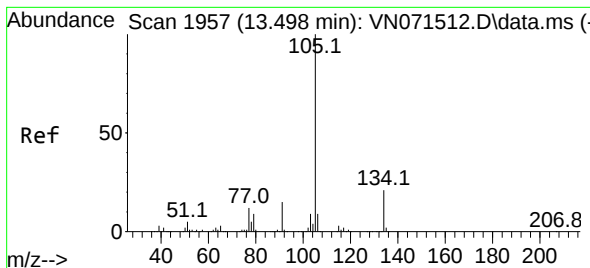
Tgt Ion:	119	Resp:	7932
Ion	Ratio	Lower	Upper
119	100		
91	65.2	0.0	137.0
134	26.1	0.0	47.6



#80
1,2,4-Trimethylbenzene
Concen: 0.490 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion:	105	Resp:	12228
Ion	Ratio	Lower	Upper
105	100		
120	46.4	0.0	0.2#





#81

sec-Butylbenzene

Concen: 0.415 ug/l

RT: 13.498 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

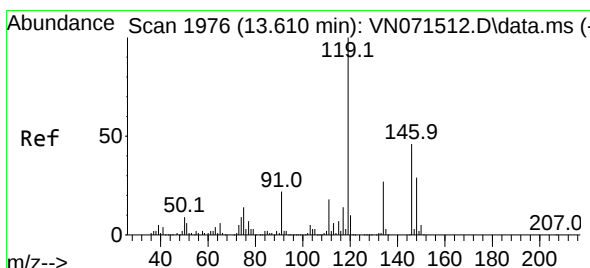
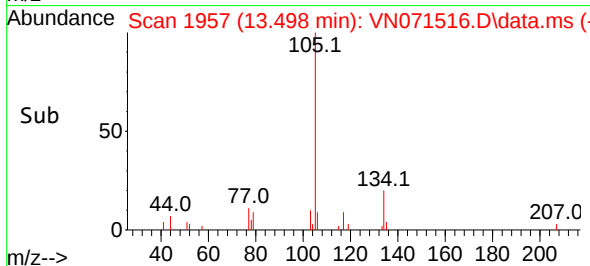
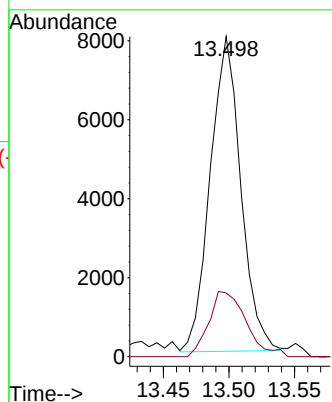
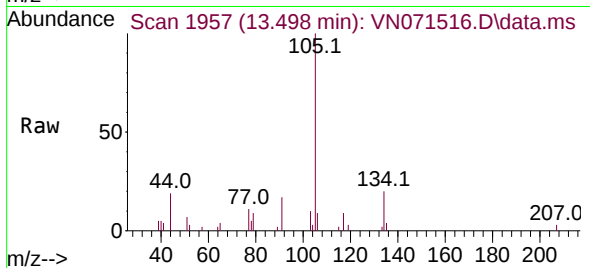
IBLK

Tgt Ion:105 Resp: 12942

Ion Ratio Lower Upper

105 100

134 24.7 0.0 39.4



#82

p-Isopropyltoluene

Concen: 0.540 ug/l

RT: 13.610 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

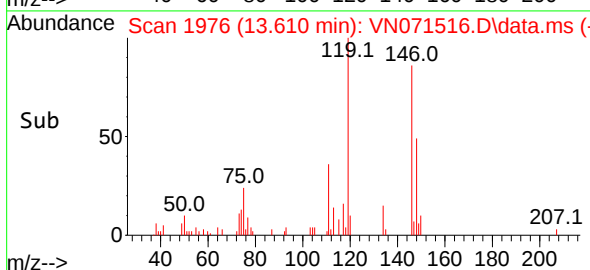
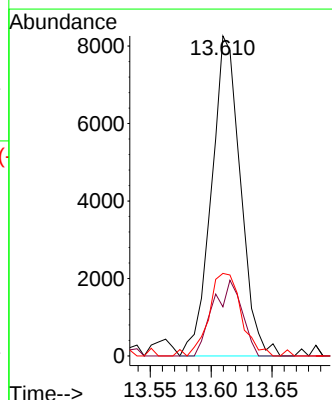
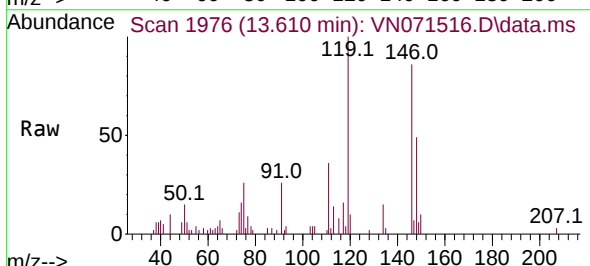
Tgt Ion:119 Resp: 13707

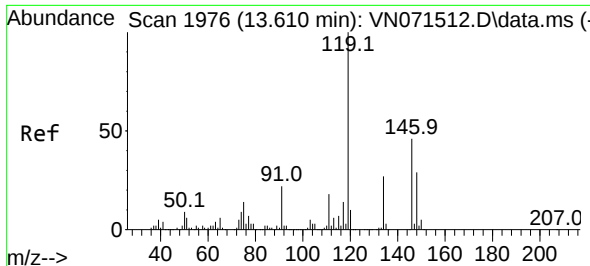
Ion Ratio Lower Upper

119 100

134 23.5 0.0 51.8

91 28.2 0.0 50.4

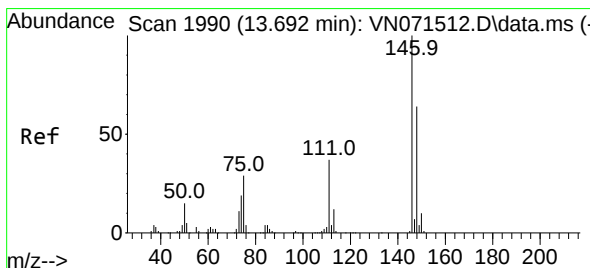
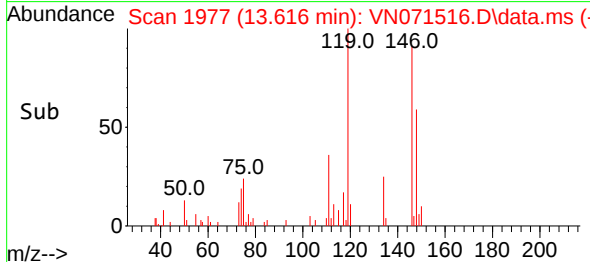
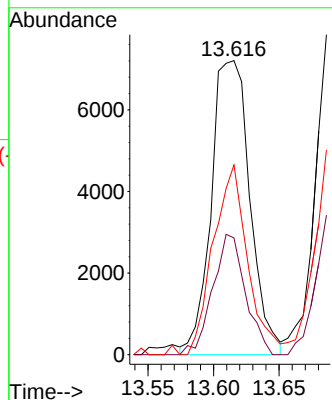
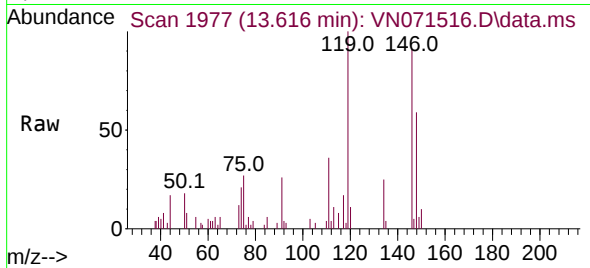




#83
 1,3-Dichlorobenzene
 Concen: 1.154 ug/l
 RT: 13.616 min Scan# 1976
 Delta R.T. 0.006 min
 Lab File: VN071516.D
 Acq: 24 Mar 2022 12:05

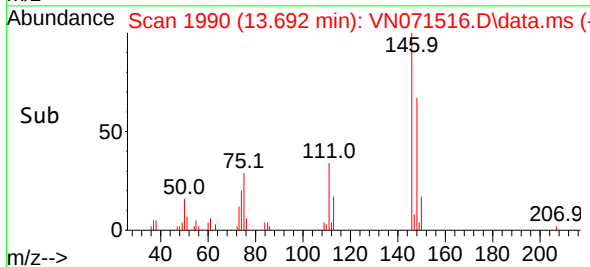
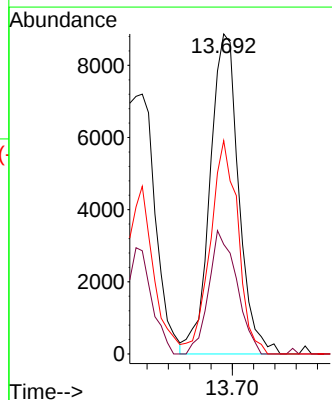
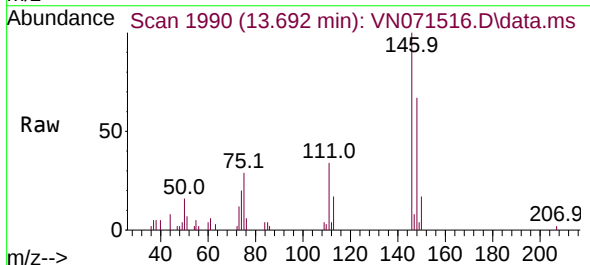
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

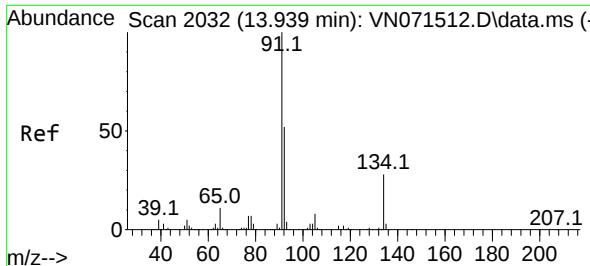
Tgt Ion:146 Resp: 14785
 Ion Ratio Lower Upper
 146 100
 111 34.6 20.8 62.2
 148 57.1 31.4 94.3



#84
 1,4-Dichlorobenzene
 Concen: 1.357 ug/l
 RT: 13.692 min Scan# 1990
 Delta R.T. -0.000 min
 Lab File: VN071516.D
 Acq: 24 Mar 2022 12:05

Tgt Ion:146 Resp: 16592
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.5 58.5
 148 63.9 31.1 93.5

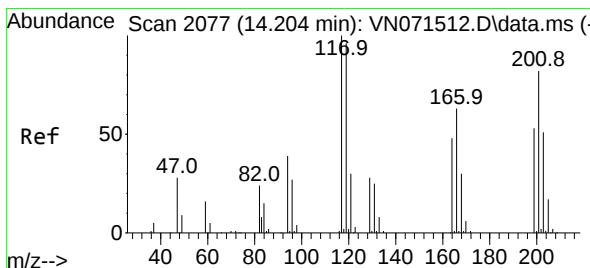
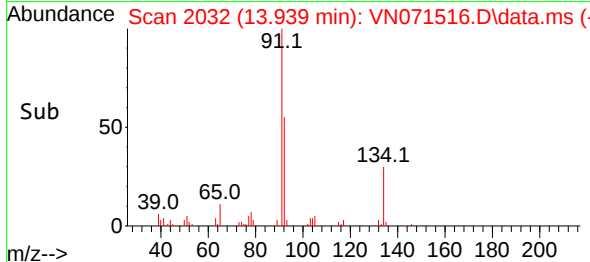
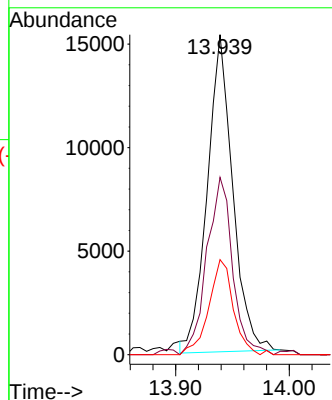
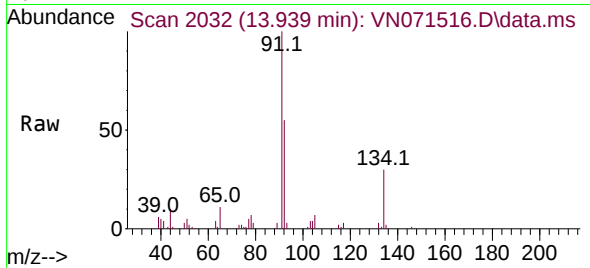




#85
n-Butylbenzene
Concen: 1.263 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

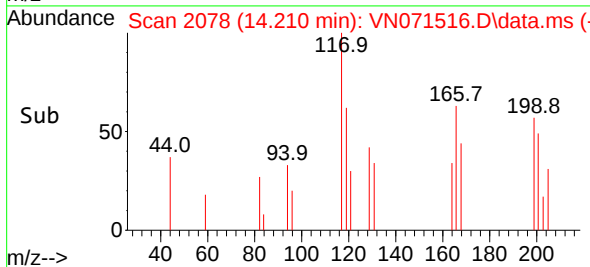
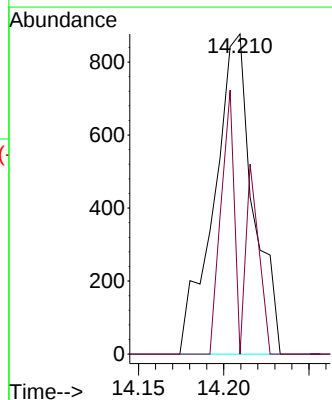
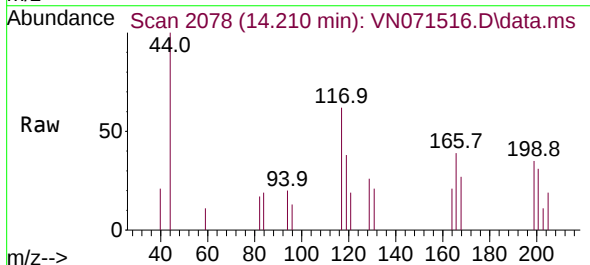
Instrument :
MSVOA_N
ClientSampleId :
IBLK

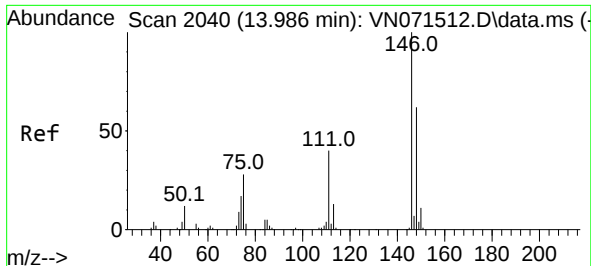
Tgt Ion:	91	Resp:	23785
Ion	Ratio	Lower	Upper
91	100		
92	56.6	0.0	100.6
134	28.8	0.0	50.2



#86
Hexachloroethane
Concen: 0.296 ug/l
RT: 14.210 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion:	117	Resp:	1402
Ion	Ratio	Lower	Upper
117	100		
201	19.7	33.3	99.8#





#87

1,2-Dichlorobenzene

Concen: 1.101 ug/l

RT: 13.986 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

IBLK

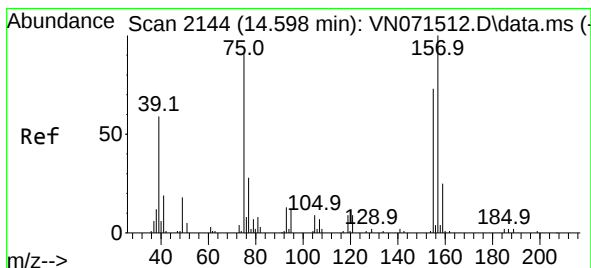
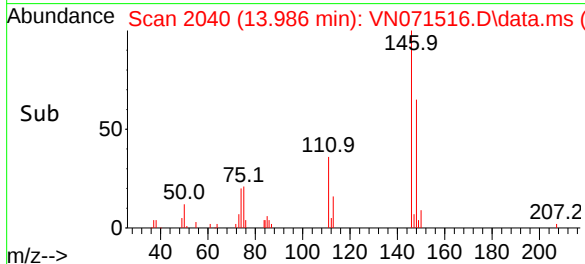
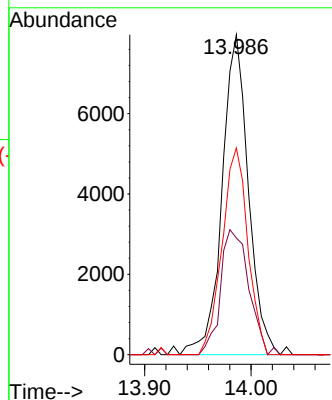
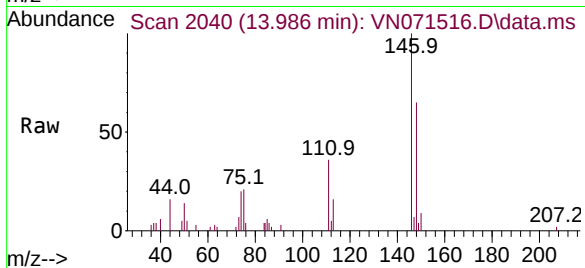
Tgt Ion:146 Resp: 13634

Ion Ratio Lower Upper

146 100

111 41.5 21.4 64.2

148 63.0 32.5 97.4



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.838 ug/l

RT: 14.604 min Scan# 2145

Delta R.T. 0.006 min

Lab File: VN071516.D

Acq: 24 Mar 2022 12:05

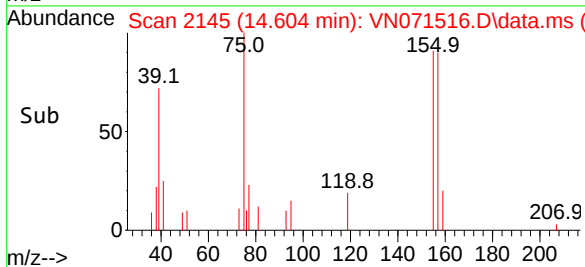
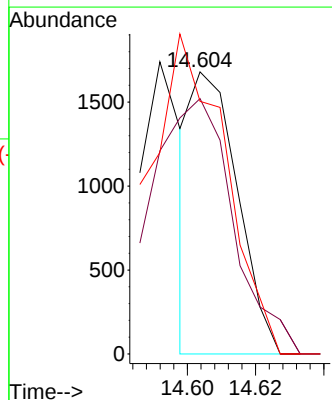
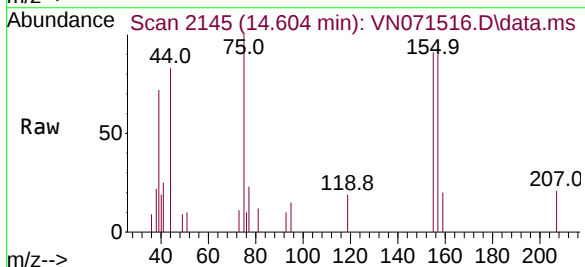
Tgt Ion: 75 Resp: 1557

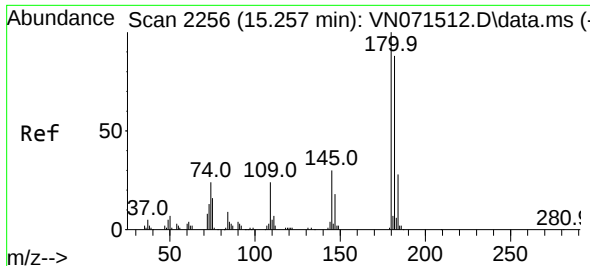
Ion Ratio Lower Upper

75 100

155 178.0 63.8 95.8#

157 198.5 77.9 116.9#

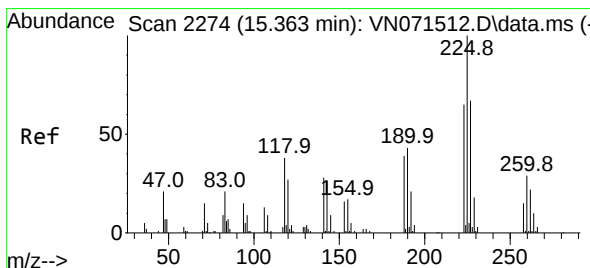
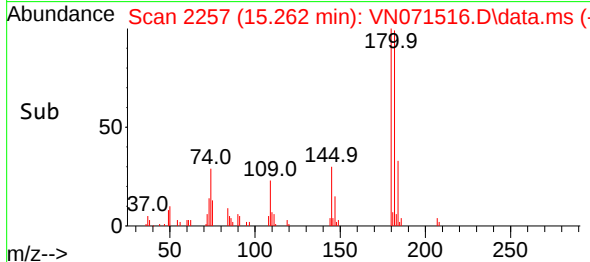
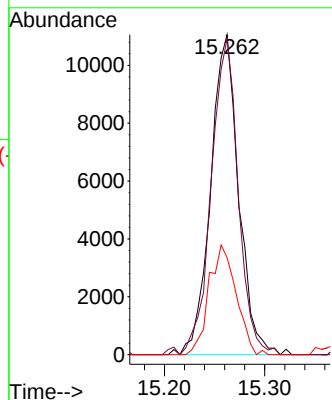
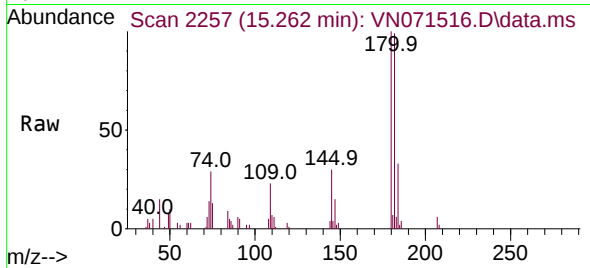




#89
 1,2,4-Trichlorobenzene
 Concen: 3.738 ug/l
 RT: 15.262 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071516.D
 Acq: 24 Mar 2022 12:05

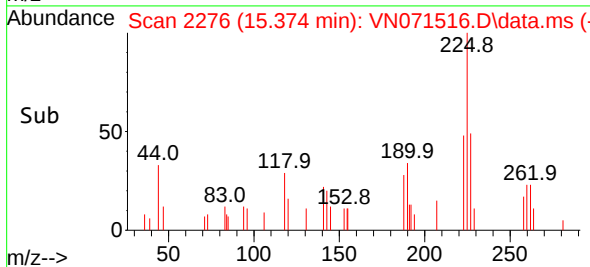
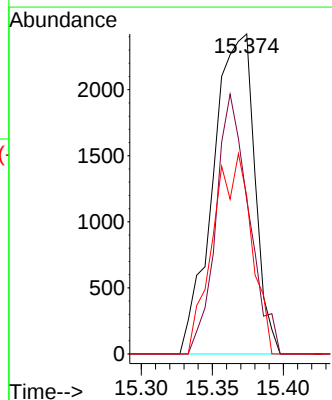
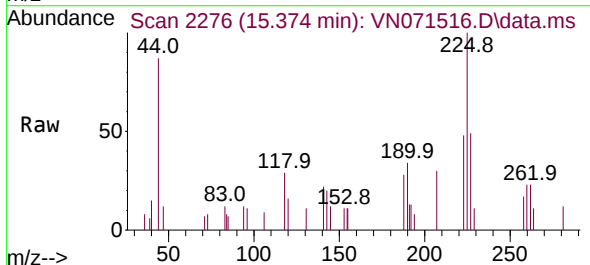
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

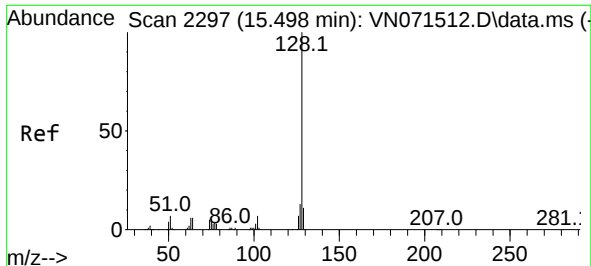
Tgt Ion:180 Resp: 21396
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.7 116.5
 145 33.1 26.6 39.8



#90
 Hexachlorobutadiene
 Concen: 1.452 ug/l
 RT: 15.374 min Scan# 2276
 Delta R.T. 0.012 min
 Lab File: VN071516.D
 Acq: 24 Mar 2022 12:05

Tgt Ion:225 Resp: 4926
 Ion Ratio Lower Upper
 225 100
 223 64.5 0.0 126.8
 227 58.0 0.0 123.0

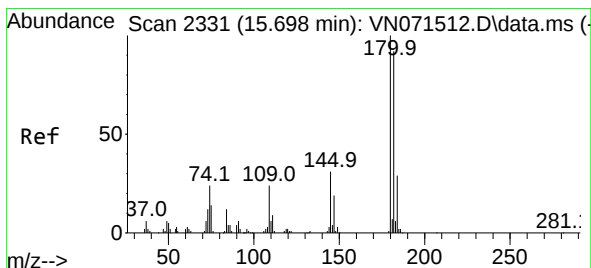
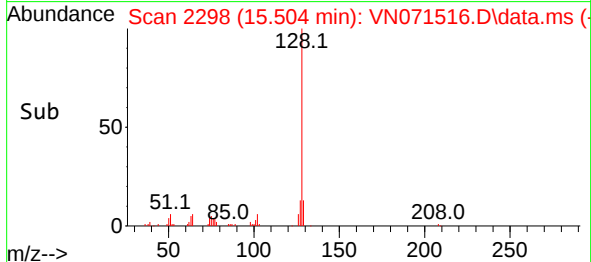
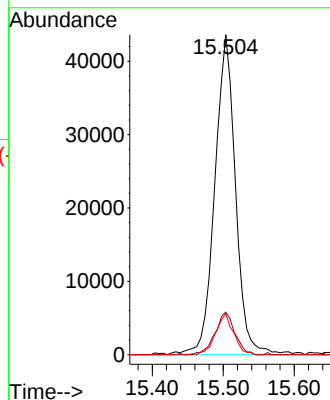
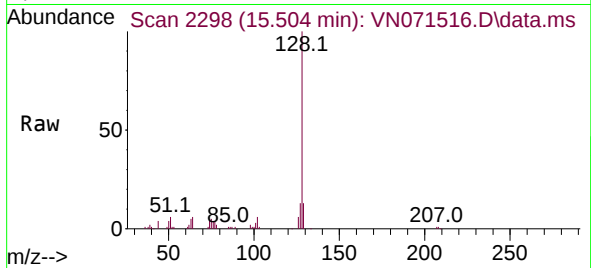




#91
Naphthalene
Concen: 10.864 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 87895
Ion Ratio Lower Upper
128 100
127 12.5 10.7 16.1
129 11.1 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 5.013 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071516.D
Acq: 24 Mar 2022 12:05

Tgt Ion:180 Resp: 28142
Ion Ratio Lower Upper
180 100
182 88.9 0.0 190.0
145 29.2 0.0 67.8

