

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071534.D
 Acq On : 24 Mar 2022 21:34
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 25 09:53:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.087	168	671809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1102618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1060984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	393312	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	382360	45.811	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.620%
35) Dibromofluoromethane	8.016	113	311900	45.010	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.020%
50) Toluene-d8	10.439	98	1354992	48.478	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.960%
62) 4-Bromofluorobenzene	12.727	95	447729	48.887	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.780%

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.075	85	1504	0.215 ug/l #	60	
3) Chloromethane	2.305	50	4950	Below Cal	91	
4) Vinyl Chloride	2.446	62	2116	0.224 ug/l #	64	
5) Bromomethane	2.875	94	8019	1.607 ug/l	93	
10) Methyl Iodide	4.434	142	3448	0.366 ug/l #	51	
12) 1,1-Dichloroethene	4.187	96	1964	0.305 ug/l #	76	
13) Acrolein	4.040	56	2609	2.193 ug/l #	65	
14) Allyl chloride	4.857	41	2433	0.234 ug/l #	44	
15) Acrylonitrile	5.546	53	3485	0.824 ug/l #	16	
16) Acetone	4.299	43	7100	2.075 ug/l	97	
17) Carbon Disulfide	4.540	76	20227	1.205 ug/l	98	
18) Methyl Acetate	4.863	43	9060	Below Cal	98	
21) trans-1,2-Dichloroethene	5.604	96	3511	0.502 ug/l #	77	
23) Vinyl Acetate	6.434	43	6801	0.368 ug/l #	91	
25) 2-Butanone	7.345	43	6862	1.250 ug/l	91	
27) cis-1,2-Dichloroethene	7.334	96	2412	0.290 ug/l	91	
29) Tetrahydrofuran	7.692	42	3711	1.017 ug/l	93	
31) Cyclohexane	8.087	56	14380	1.204 ug/l #	4	
36) 1,1-Dichloropropene	8.216	75	3777	0.378 ug/l	95	
38) Carbon Tetrachloride	8.087	117	61812	6.347 ug/l #	16	
39) Methylcyclohexane	9.457	83	2621	0.214 ug/l	85	
41) Methacrylonitrile	7.640	41	1375	0.266 ug/l #	84	
42) 1,2-Dichloroethane	8.528	62	2848	0.263 ug/l	92	
43) Isopropyl Acetate	8.687	43	37593	1.766 ug/l #	53	
44) Trichloroethene	9.210	130	3240	0.401 ug/l	96	
46) Dibromomethane	9.581	93	1819	0.347 ug/l	92	
48) Methyl methacrylate	9.563	41	1775	0.226 ug/l #	84	
49) 1,4-Dioxane	9.569	88	935	5.154 ug/l #	92	
51) 4-Methyl-2-Pentanone	10.333	43	11866	1.088 ug/l	88	
52) Toluene	10.498	92	4942	0.254 ug/l	97	
53) t-1,3-Dichloropropene	10.722	75	2808	0.254 ug/l #	86	
56) Ethyl methacrylate	10.763	69	2881	0.242 ug/l	95	
58) 2-Chloroethyl Vinyl ether	10.051	63	929	18.912 ug/l #	55	
59) 2-Hexanone	11.086	43	24240	3.084 ug/l	98	
61) 1,2-Dibromoethane	11.351	107	1911	0.240 ug/l	100	
64) Tetrachloroethene	10.975	164	3539	0.483 ug/l	87	

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

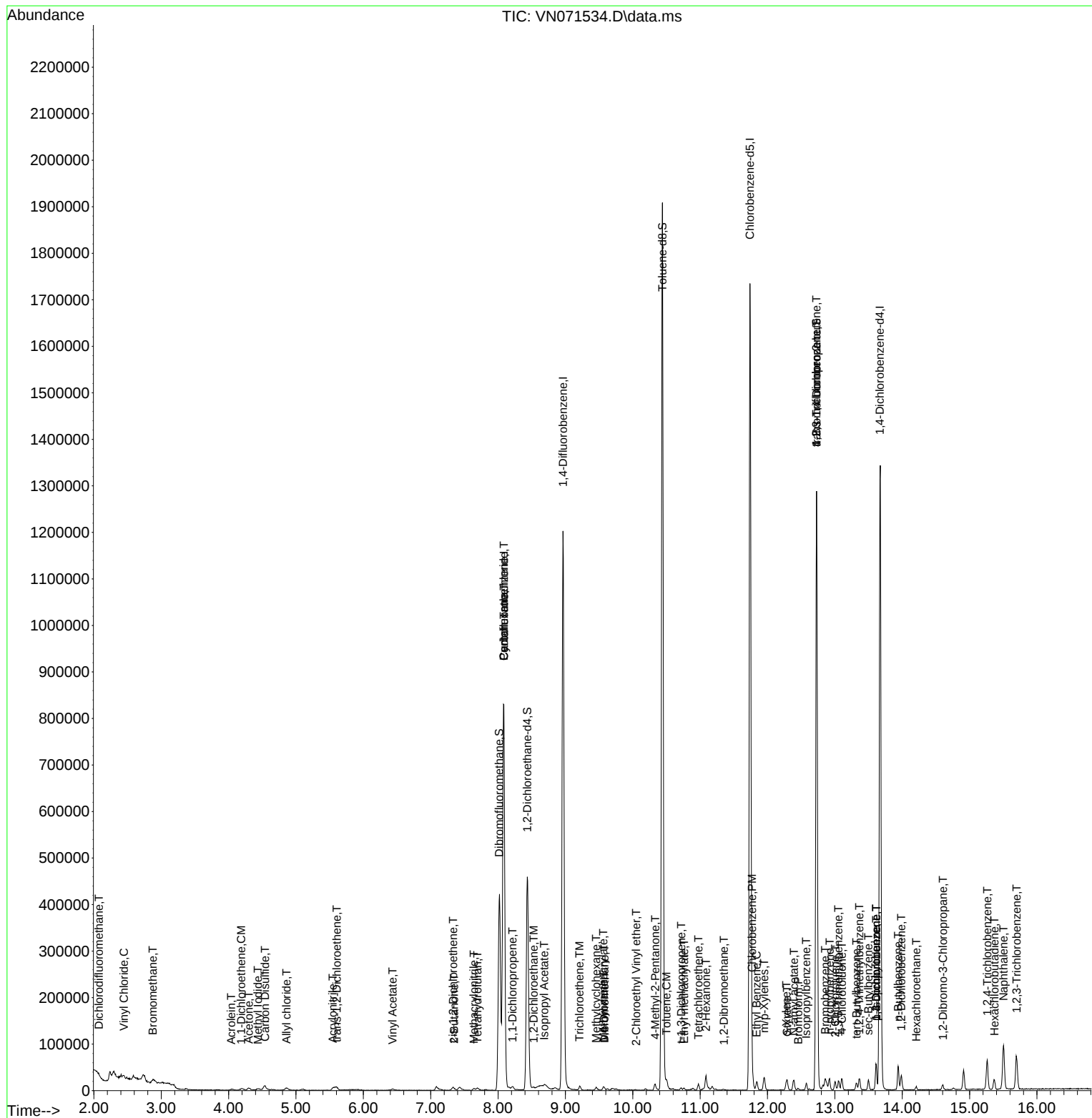
65) Chlorobenzene	11.769	112	9678	0.430	ug/l #	88
67) Ethyl Benzene	11.839	91	11805	0.305	ug/l	96
68) m/p-Xylenes	11.951	106	9482	0.641	ug/l	96
69) o-Xylene	12.280	106	3550	0.242	ug/l	95
70) Styrene	12.292	104	8789	0.384	ug/l	93
71) Bromoform	12.457	173	1691	0.270	ug/l #	98
73) Isopropylbenzene	12.575	105	9546	0.275	ug/l	98
74) N-amyl acetate	12.392	43	13372	1.200	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.822	83	4727	Below Cal		96
76) 1,2,3-Trichloropropane	12.727	75	221685	25.277	ug/l #	1
77) Bromobenzene	12.857	156	5894	0.682	ug/l	96
78) n-propylbenzene	12.922	91	20326	0.551	ug/l	92
79) 2-Chlorotoluene	13.004	91	12351	0.519	ug/l	93
80) 1,3,5-Trimethylbenzene	13.051	105	10171	0.372	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.727	75	221685	67.673	ug/l #	10
82) 4-Chlorotoluene	13.104	91	17461	0.797	ug/l	100
83) tert-Butylbenzene	13.322	119	8170	0.331	ug/l	93
84) 1,2,4-Trimethylbenzene	13.363	105	12646	0.479	ug/l	95
85) sec-Butylbenzene	13.498	105	14673	0.448	ug/l	92
86) p-Isopropyltoluene	13.616	119	14643	0.561	ug/l	93
87) 1,3-Dichlorobenzene	13.616	146	14531	1.037	ug/l	99
88) 1,4-Dichlorobenzene	13.616	146	14531	1.049	ug/l	98
89) n-Butylbenzene	13.939	91	29681	1.484	ug/l	95
90) Hexachloroethane	14.210	117	1120	0.220	ug/l	85
91) 1,2-Dichlorobenzene	13.986	146	14968	1.114	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.604	75	2943	1.435	ug/l	95
93) 1,2,4-Trichlorobenzene	15.263	180	22936	3.684	ug/l	97
94) Hexachlorobutadiene	15.368	225	4845	1.287	ug/l	91
95) Naphthalene	15.504	128	97728	7.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	28929	4.683	ug/l	99

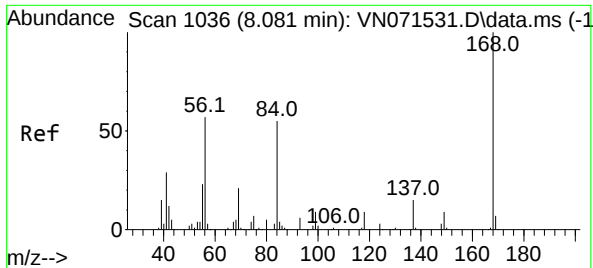
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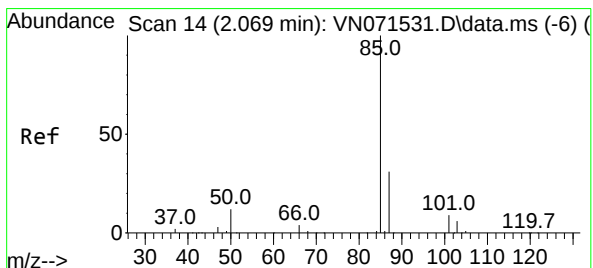
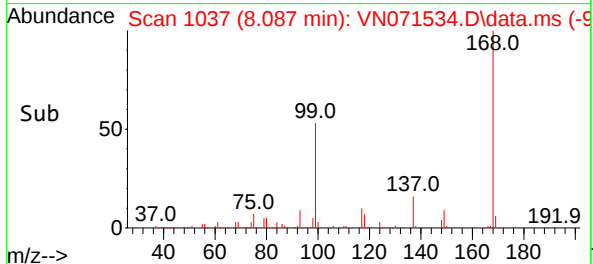
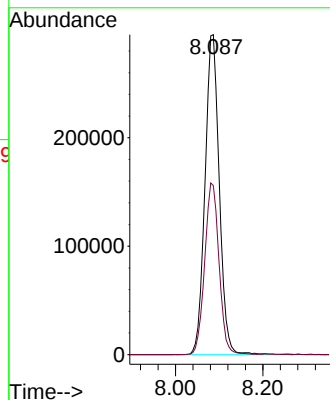
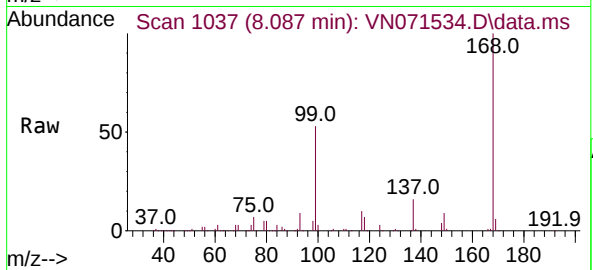




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
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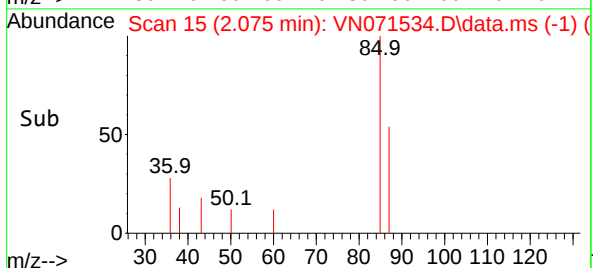
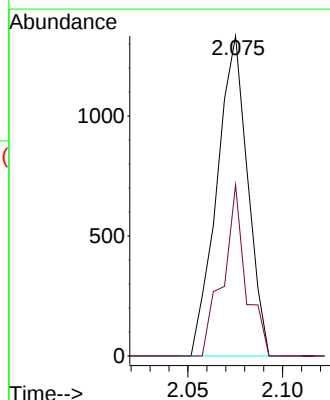
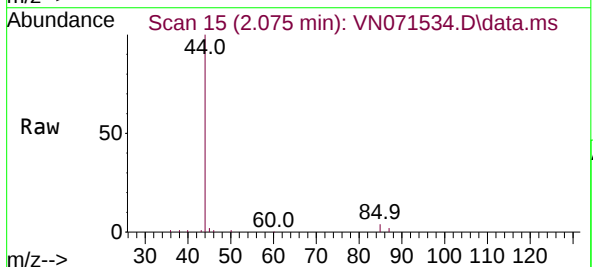
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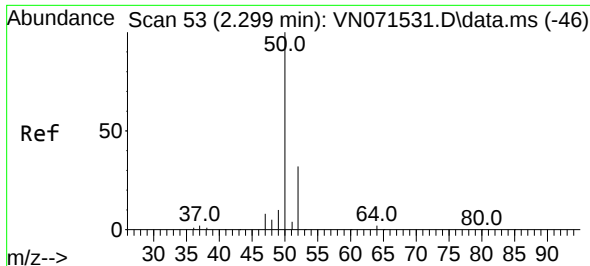
Tgt Ion:168 Resp: 671809
Ion Ratio Lower Upper
168 100
99 52.8 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 0.215 ug/l
RT: 2.075 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 85 Resp: 1504
Ion Ratio Lower Upper
85 100
87 53.5 15.7 47.1#

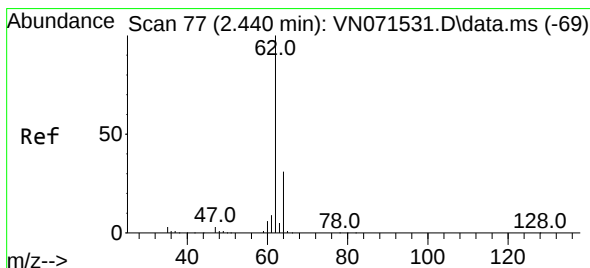
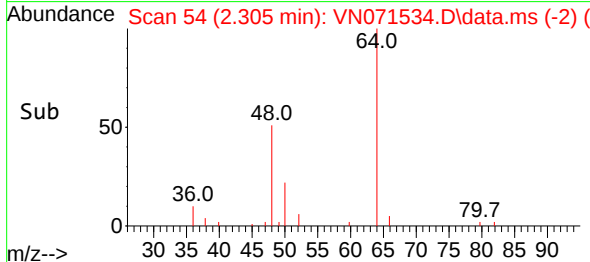
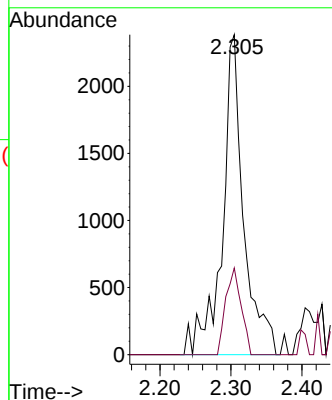
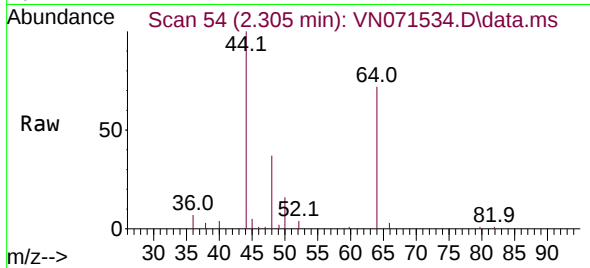




#3
Chloromethane
Concen: Below Cal
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

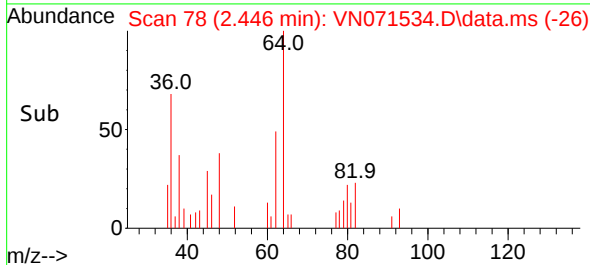
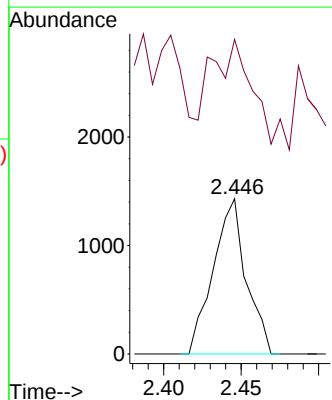
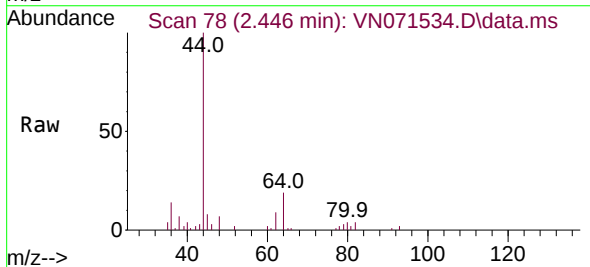
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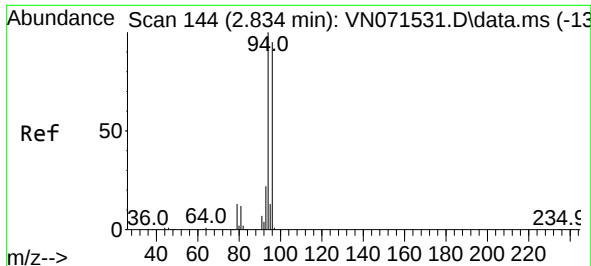
Tgt Ion: 50 Resp: 4950
Ion Ratio Lower Upper
50 100
52 27.1 25.7 38.5



#4
Vinyl Chloride
Concen: 0.224 ug/l
RT: 2.446 min Scan# 78
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 62 Resp: 2116
Ion Ratio Lower Upper
62 100
64 51.2 25.0 37.4#

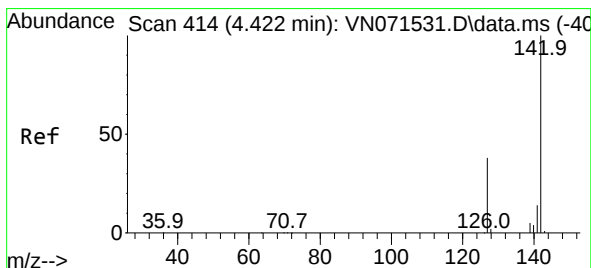
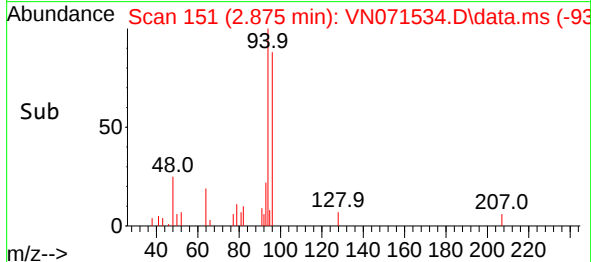
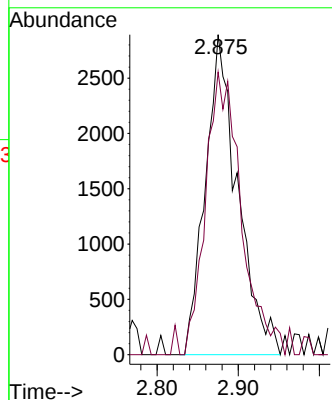
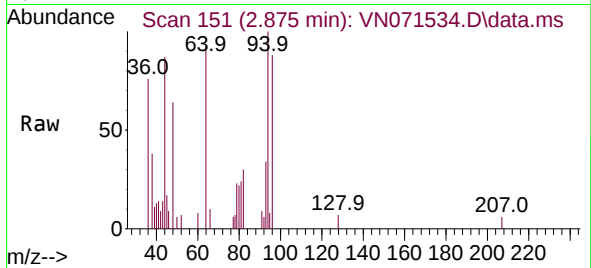




#5
Bromomethane
Concen: 1.607 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

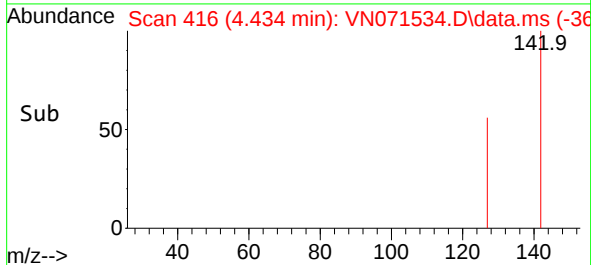
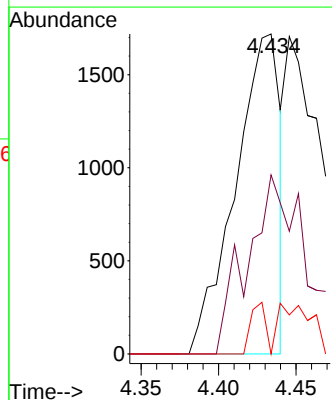
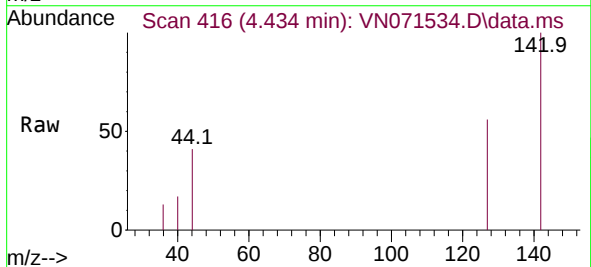
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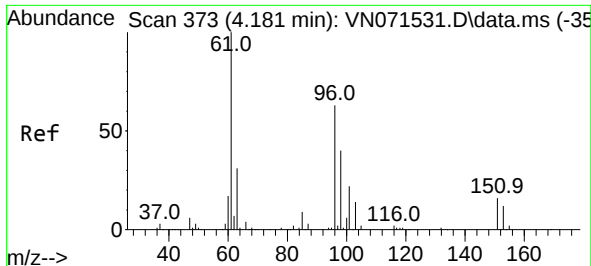
Tgt Ion: 94 Resp: 8019
Ion Ratio Lower Upper
94 100
96 88.3 76.0 114.0



#10
Methyl Iodide
Concen: 0.366 ug/l
RT: 4.434 min Scan# 416
Delta R.T. 0.012 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion:142 Resp: 3448
Ion Ratio Lower Upper
142 100
127 78.8 31.3 46.9#
141 11.6 11.2 16.8





#12

1,1-Dichloroethene

Concen: 0.305 ug/l

RT: 4.187 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

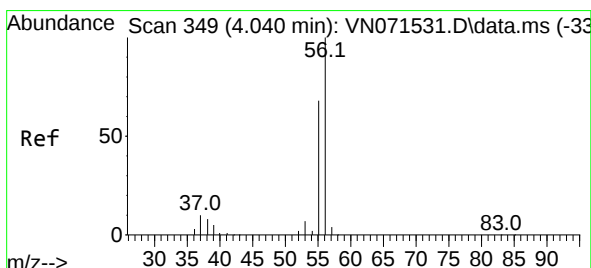
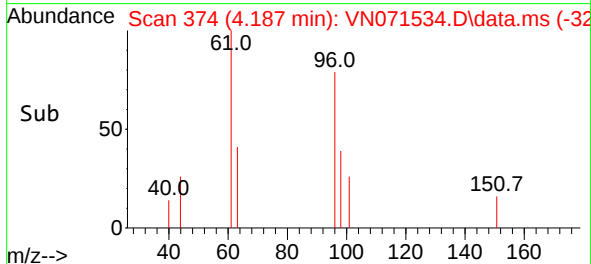
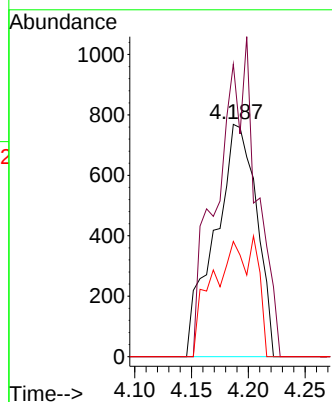
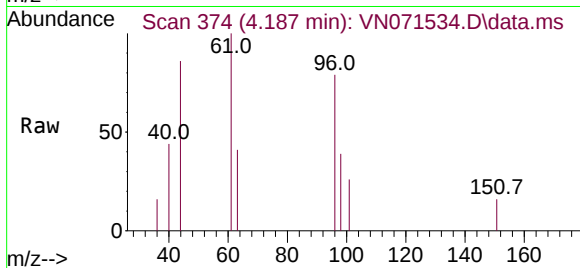
Tgt Ion: 96 Resp: 1964

Ion Ratio Lower Upper

96 100

61 125.9 127.6 191.4#

98 49.5 51.2 76.8#



#13

Acrolein

Concen: 2.193 ug/l

RT: 4.040 min Scan# 349

Delta R.T. -0.000 min

Lab File: VN071534.D

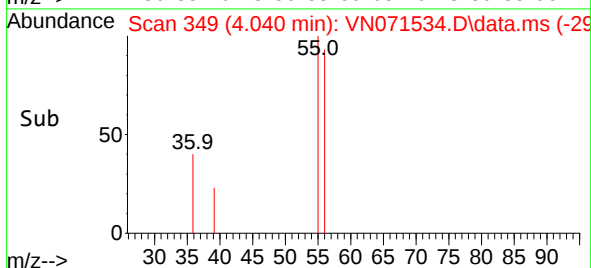
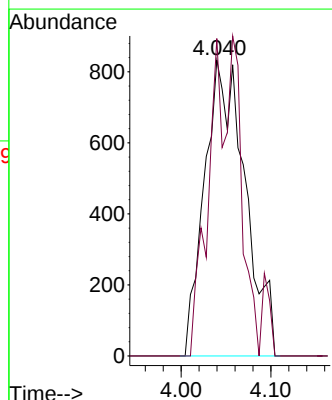
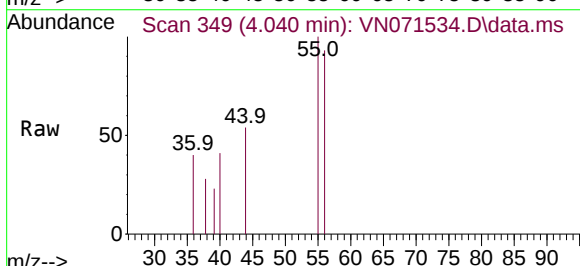
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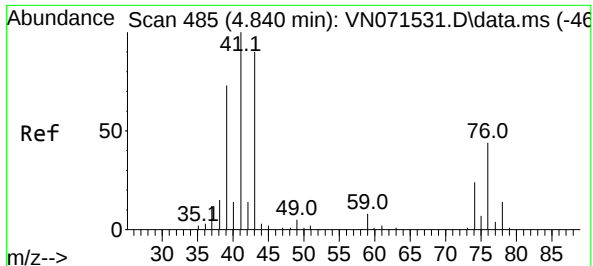
Tgt Ion: 56 Resp: 2609

Ion Ratio Lower Upper

56 100

55 40.2 54.8 82.2#

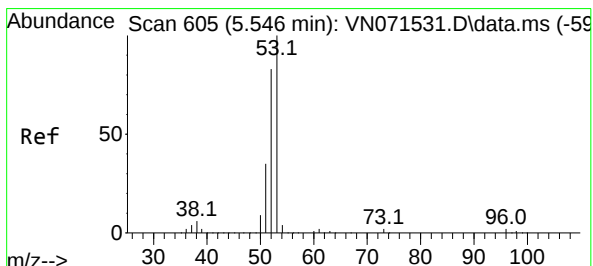
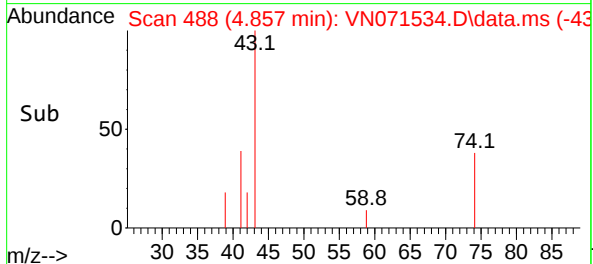
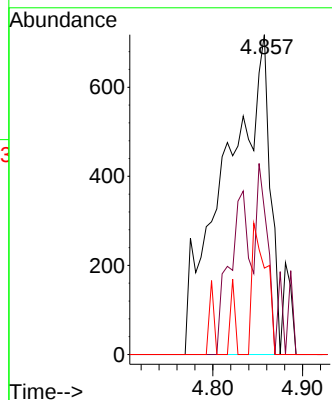
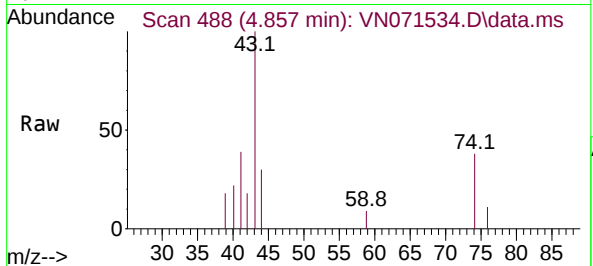




#14
 Allyl chloride
 Concen: 0.234 ug/l
 RT: 4.857 min Scan# 41
 Delta R.T. 0.017 min
 Lab File: VN071534.D
 Acq: 24 Mar 2022 21:34

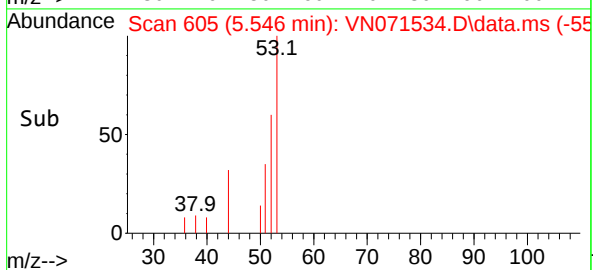
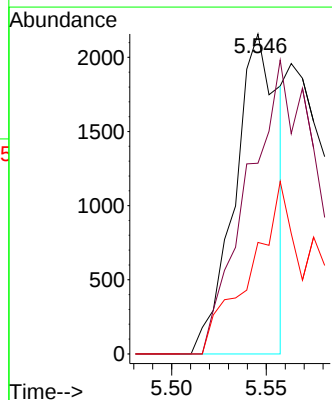
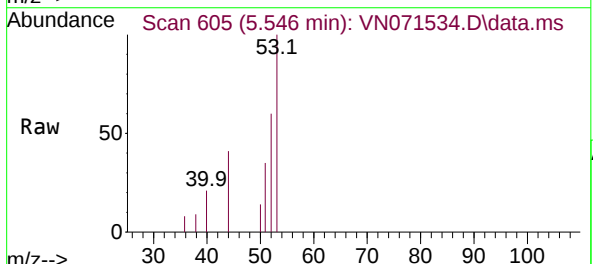
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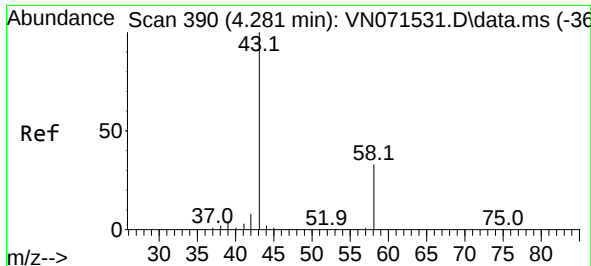
Tgt Ion: 41 Resp: 2433
 Ion Ratio Lower Upper
 41 100
 39 14.2 53.2 79.8#
 76 13.4 29.9 44.9#



#15
 Acrylonitrile
 Concen: 0.824 ug/l
 RT: 5.546 min Scan# 605
 Delta R.T. -0.000 min
 Lab File: VN071534.D
 Acq: 24 Mar 2022 21:34

Tgt Ion: 53 Resp: 3485
 Ion Ratio Lower Upper
 53 100
 52 161.2 66.4 99.6#
 51 80.5 28.5 42.7#





#16

Acetone

Concen: 2.075 ug/l

RT: 4.299 min Scan# 393

Delta R.T. 0.018 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

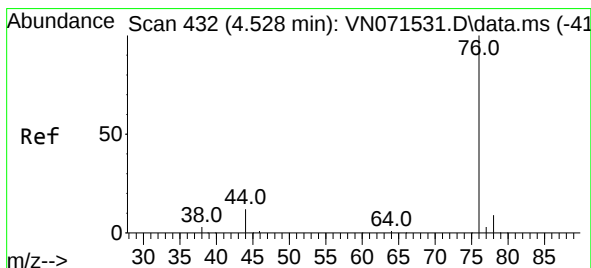
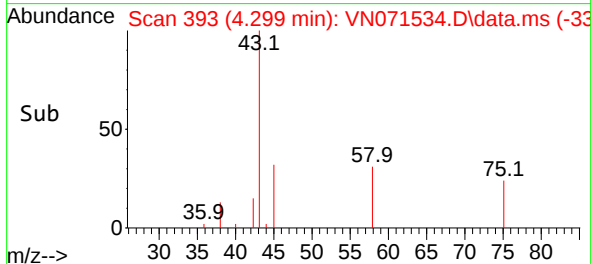
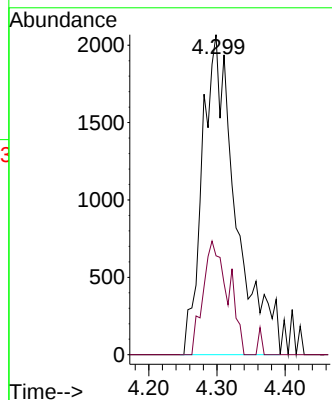
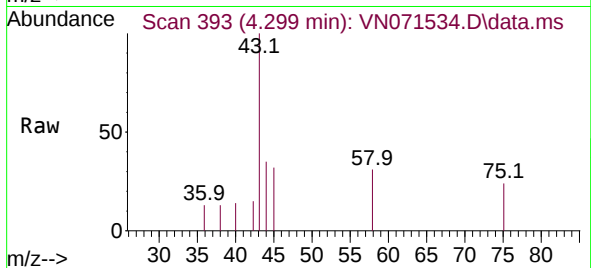
IBLK

Tgt Ion: 43 Resp: 7100

Ion Ratio Lower Upper

43 100

58 30.9 26.0 39.0



#17

Carbon Disulfide

Concen: 1.205 ug/l

RT: 4.540 min Scan# 434

Delta R.T. 0.012 min

Lab File: VN071534.D

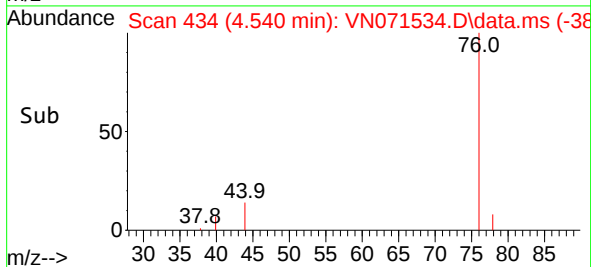
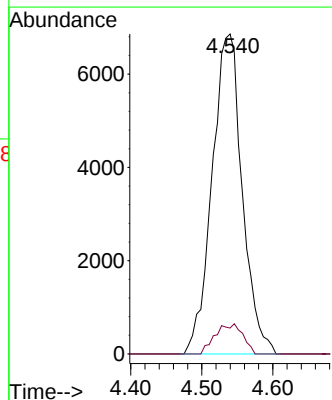
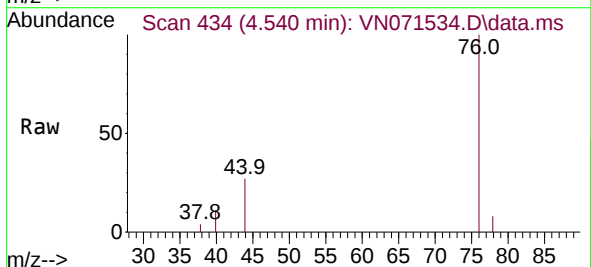
Acq: 24 Mar 2022 21:34

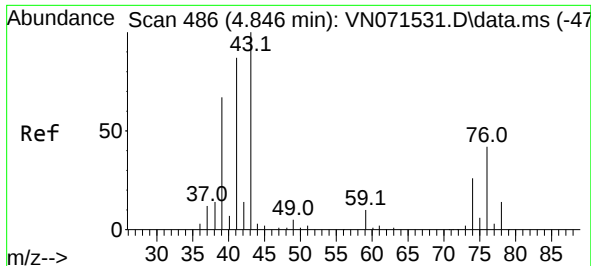
Tgt Ion: 76 Resp: 20227

Ion Ratio Lower Upper

76 100

78 8.1 7.2 10.8

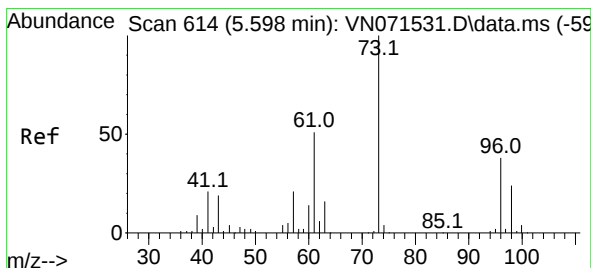
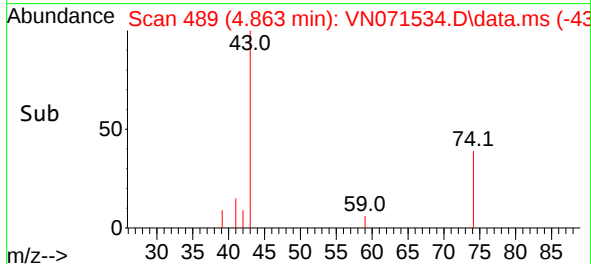
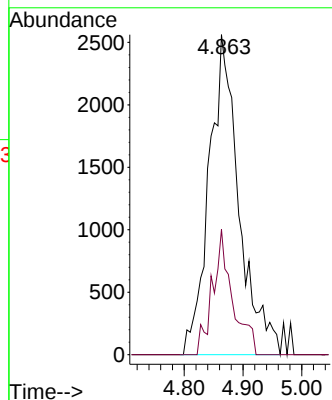
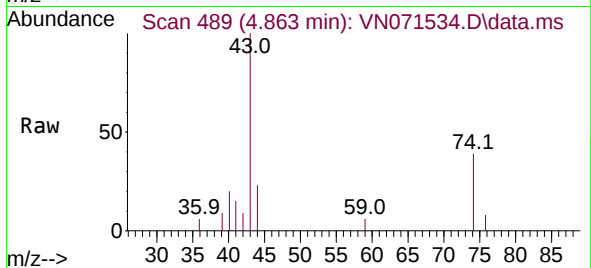




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

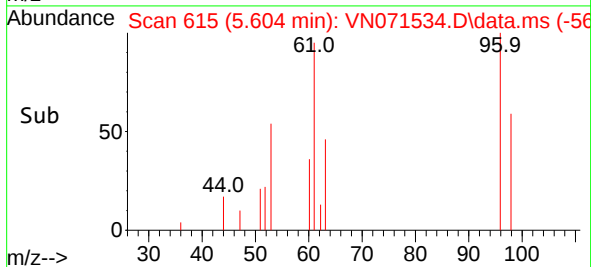
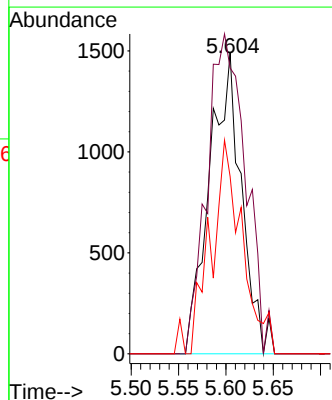
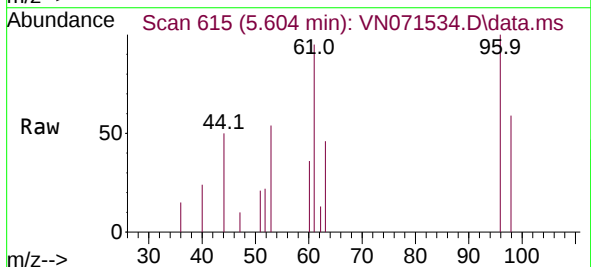
Instrument :
MSVOA_N
ClientSampleId :
IBLK

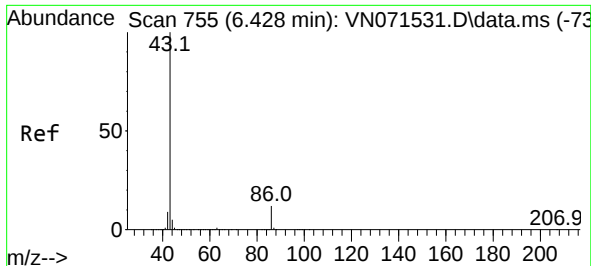
Tgt Ion: 43 Resp: 9060
Ion Ratio Lower Upper
43 100
74 25.9 21.6 32.4



#21
trans-1,2-Dichloroethene
Concen: 0.502 ug/l
RT: 5.604 min Scan# 615
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 96 Resp: 3511
Ion Ratio Lower Upper
96 100
61 94.9 105.8 158.8#
98 58.9 50.3 75.5

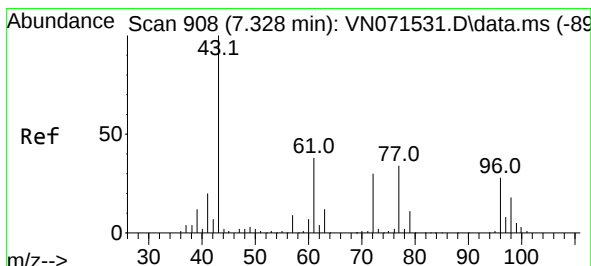
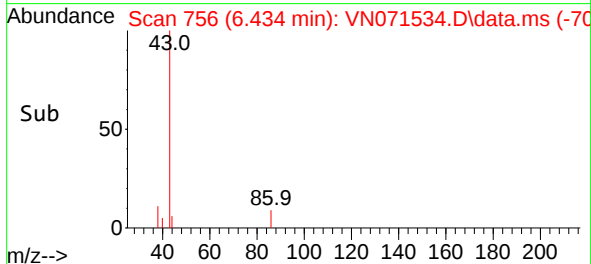
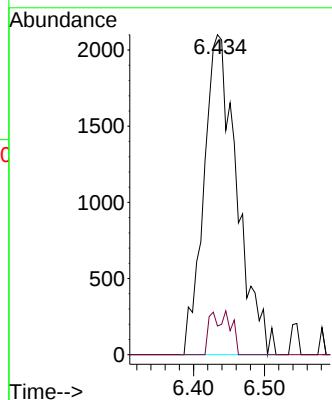
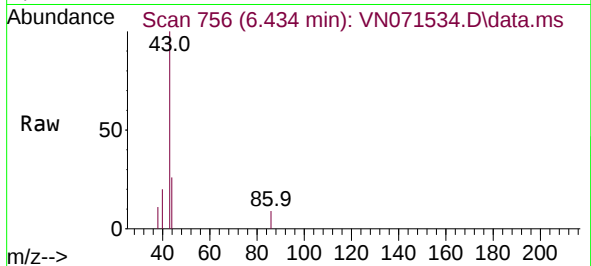




#23
 Vinyl Acetate
 Concen: 0.368 ug/l
 RT: 6.434 min Scan# 756
 Delta R.T. 0.006 min
 Lab File: VN071534.D
 Acq: 24 Mar 2022 21:34

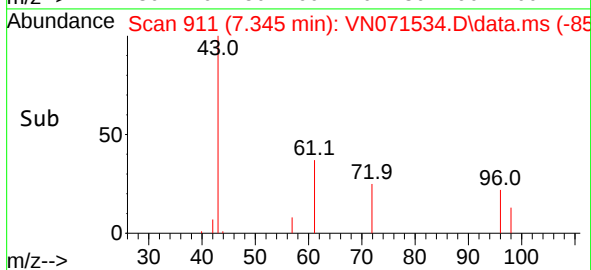
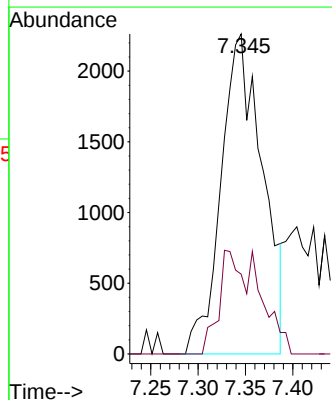
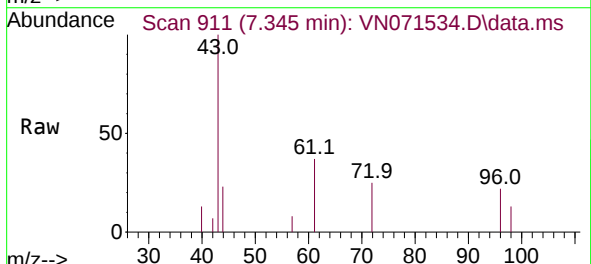
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

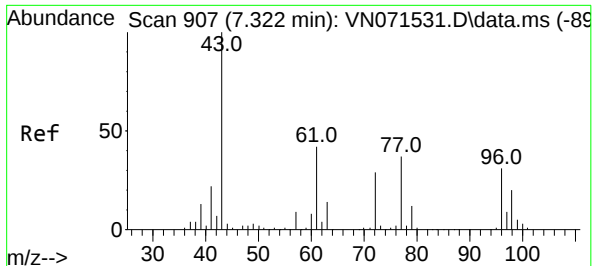
Tgt Ion: 43 Resp: 6801
 Ion Ratio Lower Upper
 43 100
 86 8.9 10.0 15.0#



#25
 2-Butanone
 Concen: 1.250 ug/l
 RT: 7.345 min Scan# 911
 Delta R.T. 0.018 min
 Lab File: VN071534.D
 Acq: 24 Mar 2022 21:34

Tgt Ion: 43 Resp: 6862
 Ion Ratio Lower Upper
 43 100
 72 25.0 23.7 35.5





#27

cis-1,2-Dichloroethene

Concen: 0.290 ug/l

RT: 7.334 min Scan# 90

Delta R.T. 0.012 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

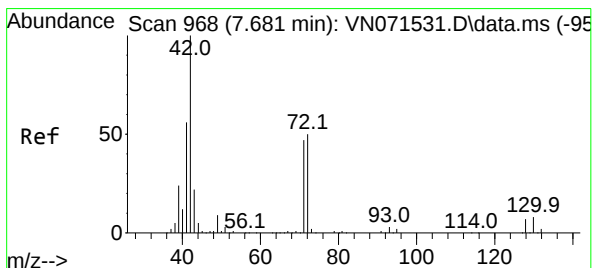
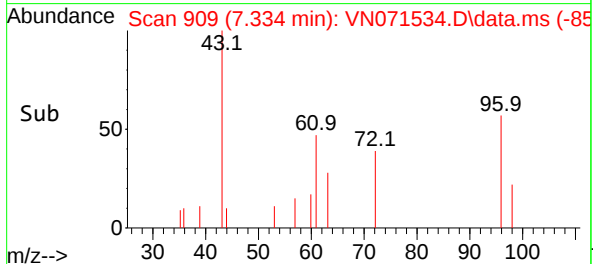
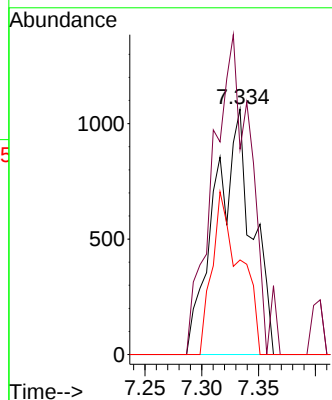
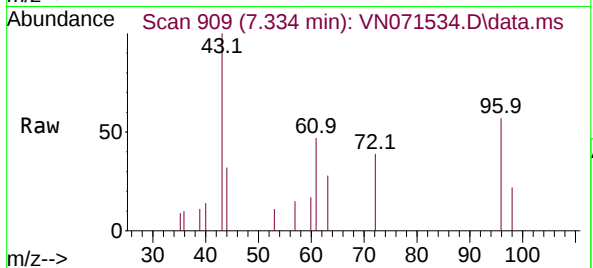
Tgt Ion: 96 Resp: 2412

Ion Ratio Lower Upper

96 100

61 134.0 0.0 280.6

98 50.0 0.0 128.4



#29

Tetrahydrofuran

Concen: 1.017 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.012 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

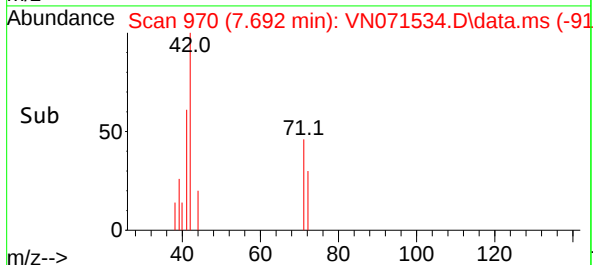
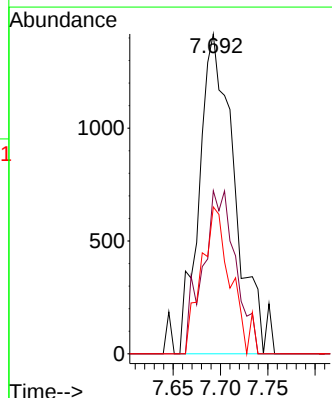
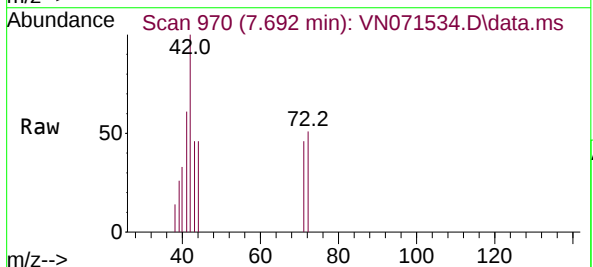
Tgt Ion: 42 Resp: 3711

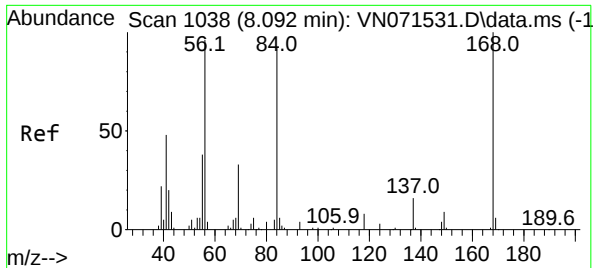
Ion Ratio Lower Upper

42 100

72 47.2 39.7 59.5

71 38.1 36.6 55.0

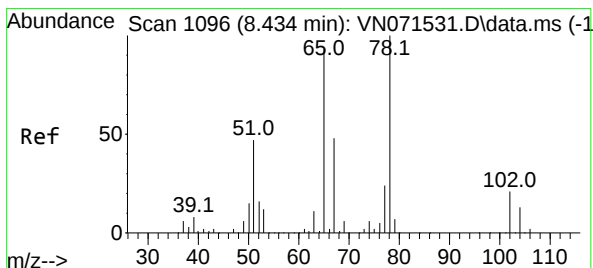
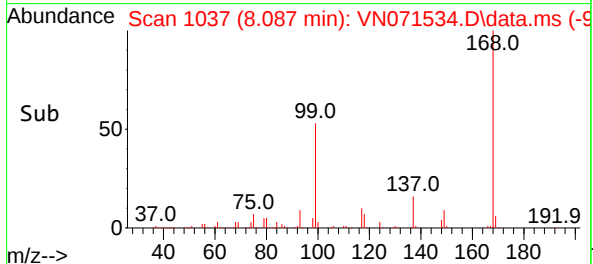
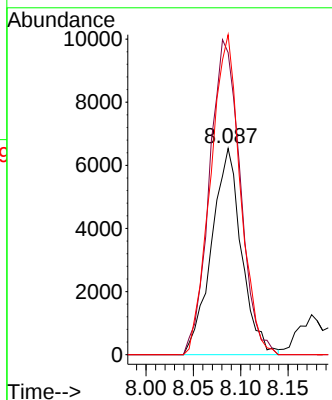
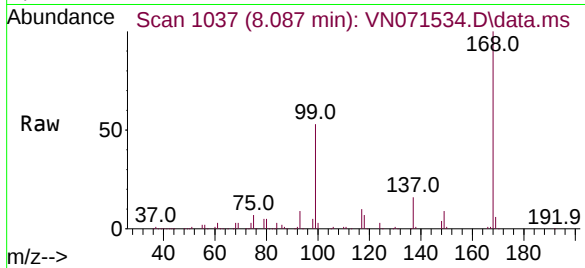




#31
Cyclohexane
Concen: 1.204 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

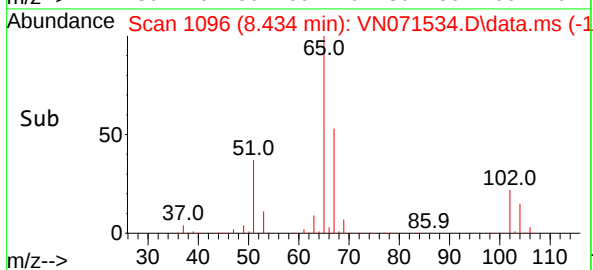
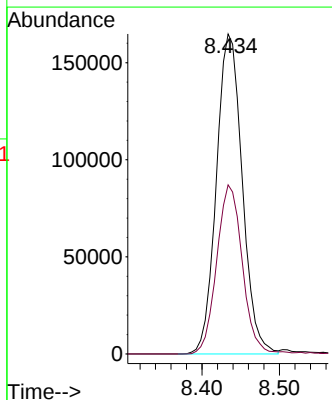
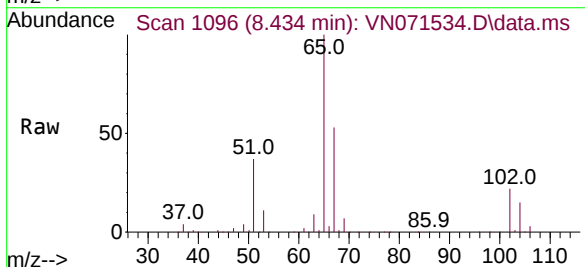
Instrument :
MSVOA_N
ClientSampleId :
IBLK

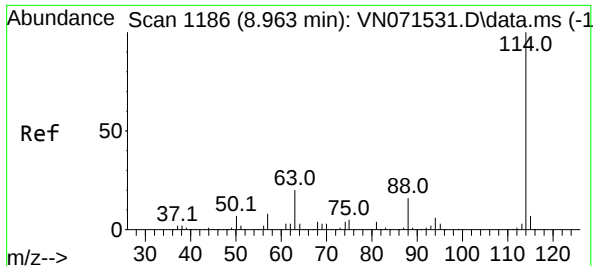
Tgt Ion: 56 Resp: 14380
Ion Ratio Lower Upper
56 100
69 146.4 27.8 41.8#
84 155.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 45.811 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 65 Resp: 382360
Ion Ratio Lower Upper
65 100
67 52.4 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: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

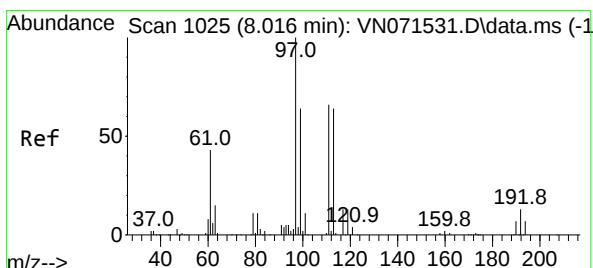
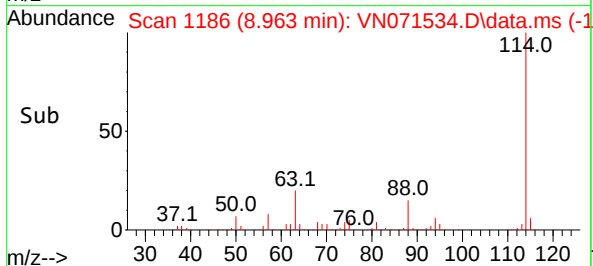
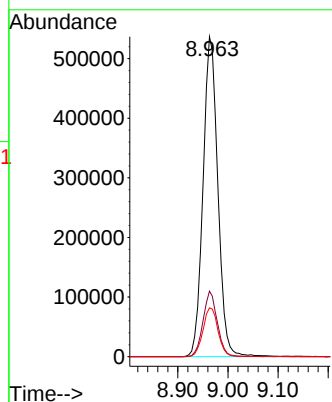
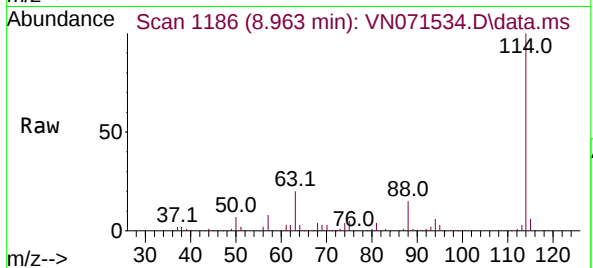
Tgt Ion:114 Resp: 1102618

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.010 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

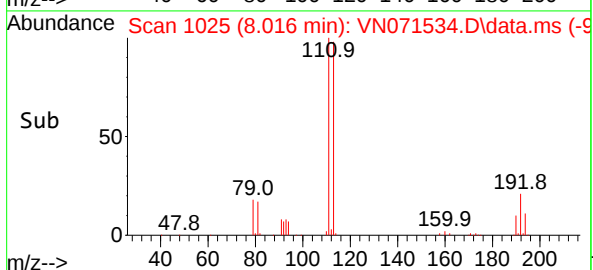
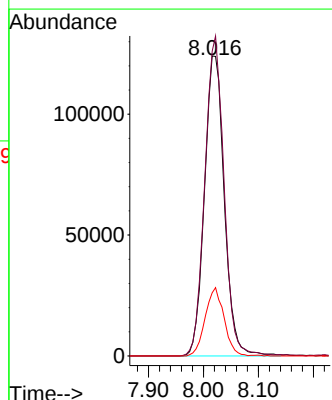
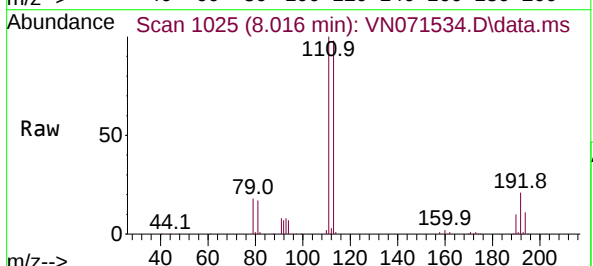
Tgt Ion:113 Resp: 311900

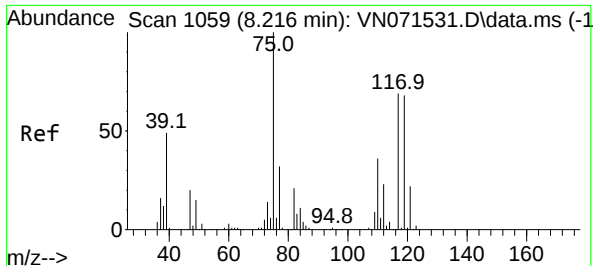
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 21.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 0.378 ug/l

RT: 8.216 min Scan# 1059

Delta R.T. 0.000 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

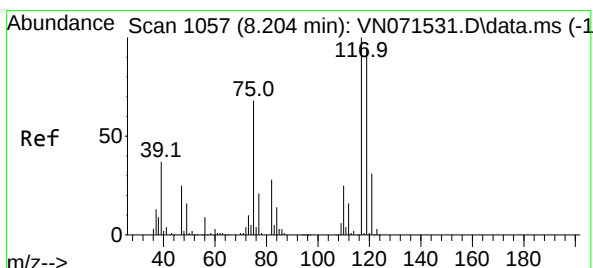
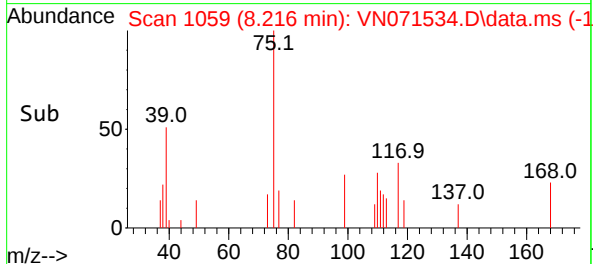
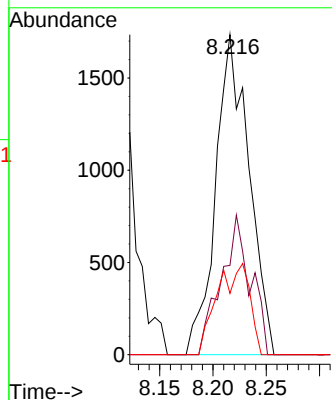
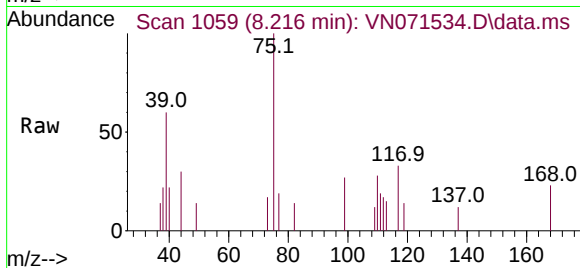
Tgt Ion: 75 Resp: 3777

Ion Ratio Lower Upper

75 100

110 38.3 18.3 54.8

77 27.7 25.1 37.7



#38

Carbon Tetrachloride

Concen: 6.347 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

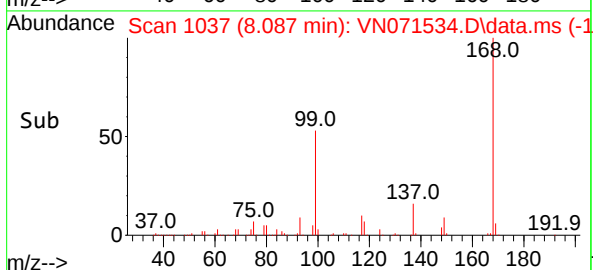
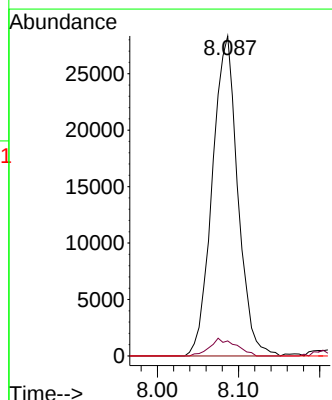
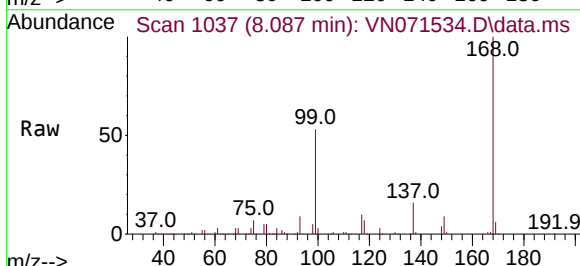
Tgt Ion: 117 Resp: 61812

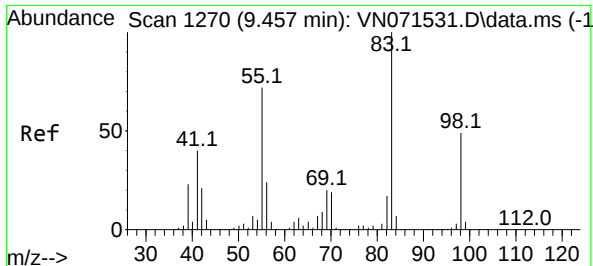
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.214 ug/l

RT: 9.457 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

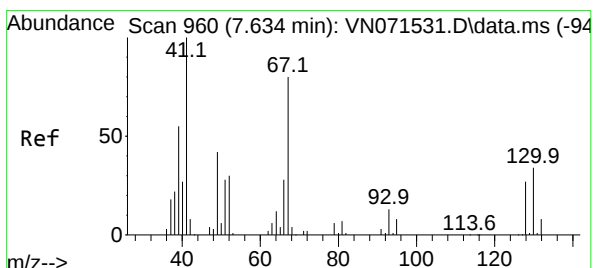
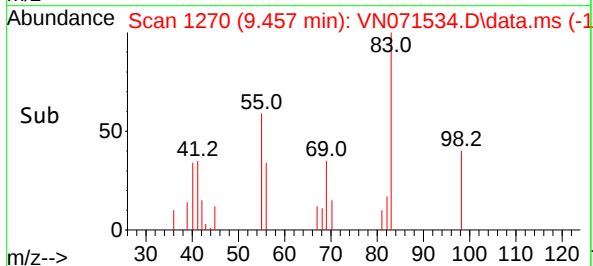
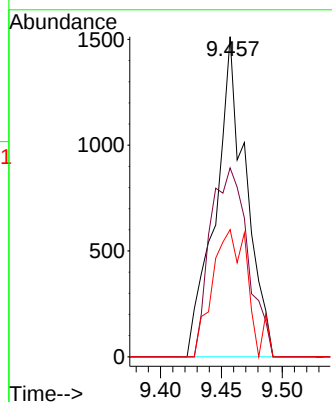
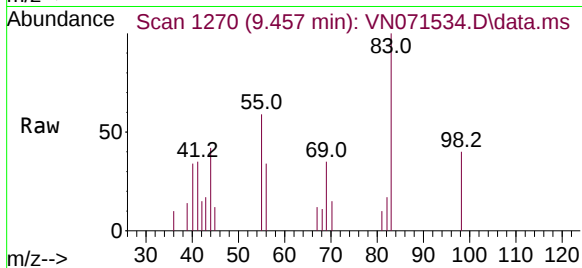
Tgt Ion: 83 Resp: 2621

Ion Ratio Lower Upper

83 100

55 59.0 57.8 86.8

98 39.7 39.4 59.2



#41

Methacrylonitrile

Concen: 0.266 ug/l

RT: 7.640 min Scan# 961

Delta R.T. 0.006 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Tgt Ion: 41 Resp: 1375

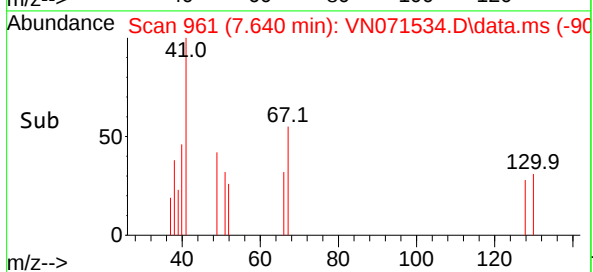
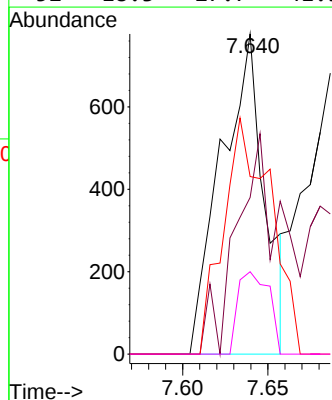
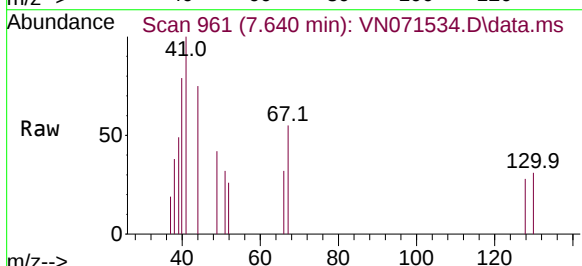
Ion Ratio Lower Upper

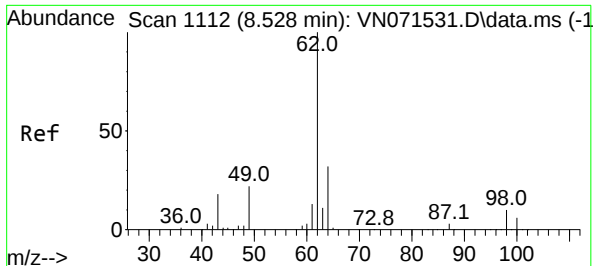
41 100

39 71.2 48.6 73.0

67 80.2 73.4 110.2

52 18.3 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.263 ug/l

RT: 8.528 min Scan# 1112

Delta R.T. 0.000 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

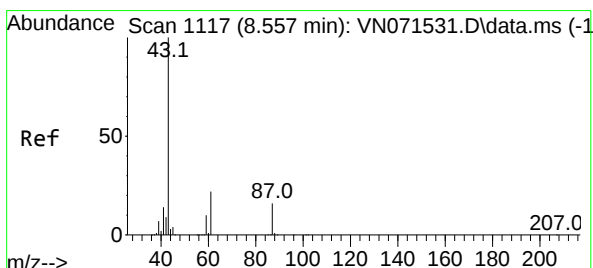
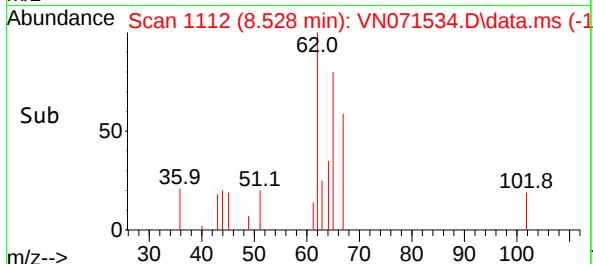
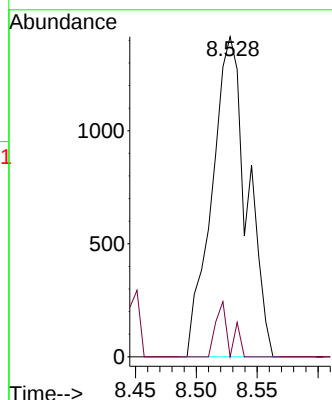
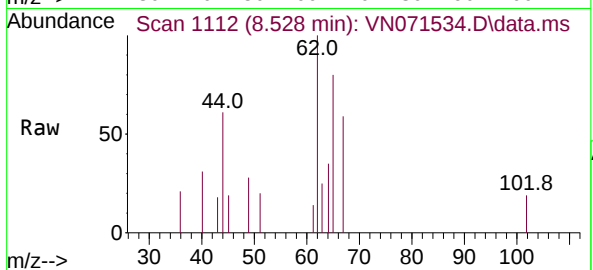
IBLK

Tgt Ion: 62 Resp: 2848

Ion Ratio Lower Upper

62 100

98 6.8 0.0 19.4



#43

Isopropyl Acetate

Concen: 1.766 ug/l

RT: 8.687 min Scan# 1139

Delta R.T. 0.130 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

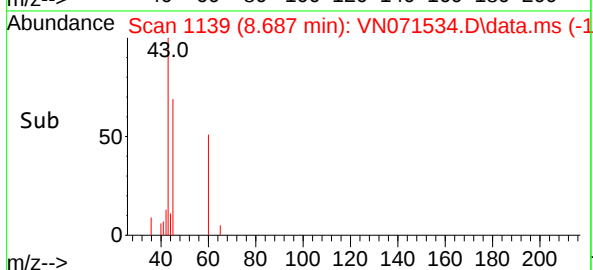
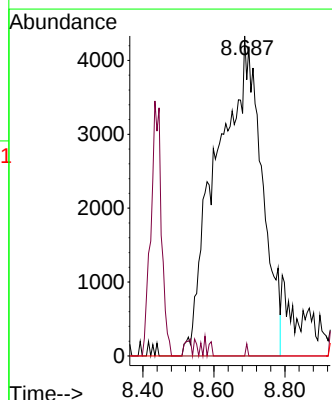
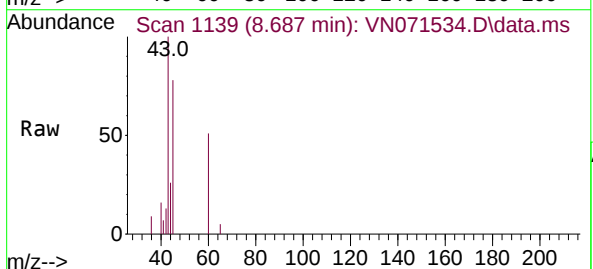
Tgt Ion: 43 Resp: 37593

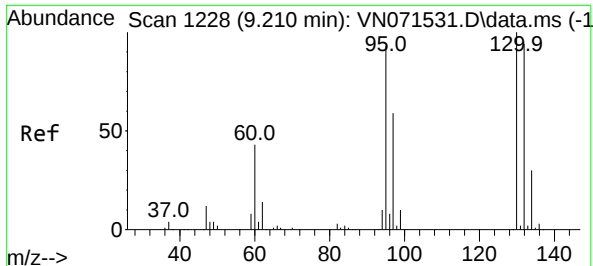
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

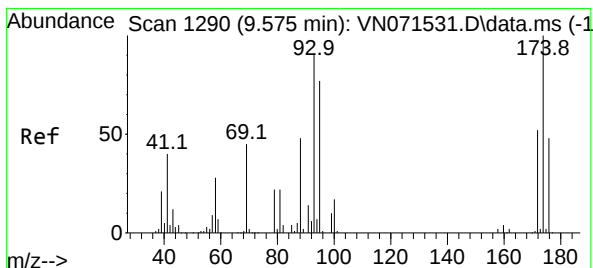
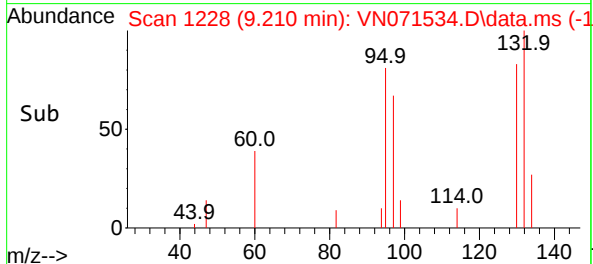
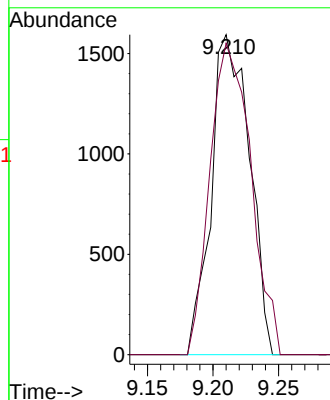
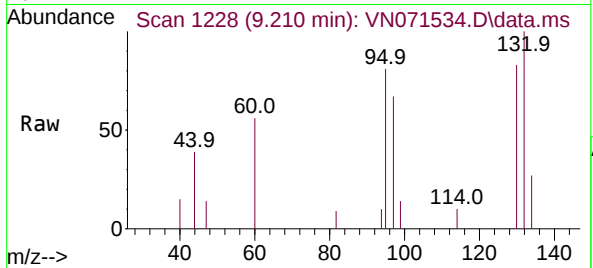




#44
Trichloroethene
Concen: 0.401 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

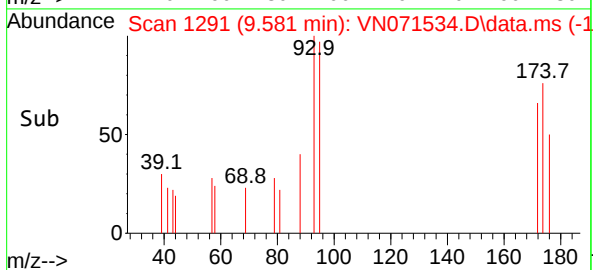
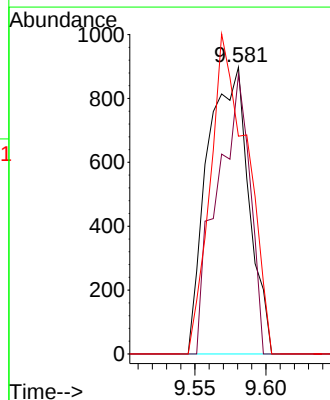
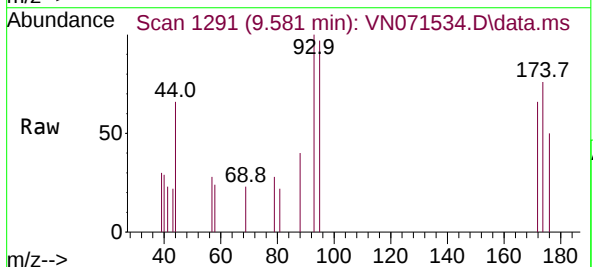
Instrument :
MSVOA_N
ClientSampleId :
IBLK

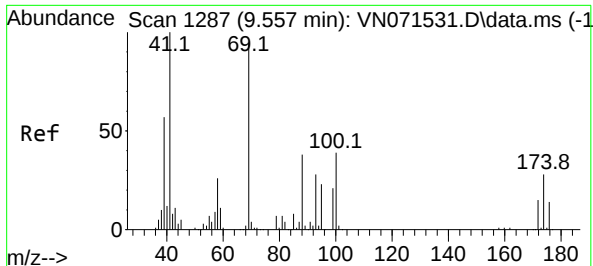
Tgt Ion:130 Resp: 3240
Ion Ratio Lower Upper
130 100
95 97.4 0.0 186.8



#46
Dibromomethane
Concen: 0.347 ug/l
RT: 9.581 min Scan# 1291
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 93 Resp: 1819
Ion Ratio Lower Upper
93 100
95 77.1 66.9 100.3
174 99.4 86.6 130.0





#48

Methyl methacrylate

Concen: 0.226 ug/l

RT: 9.563 min Scan# 1288

Delta R.T. 0.006 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

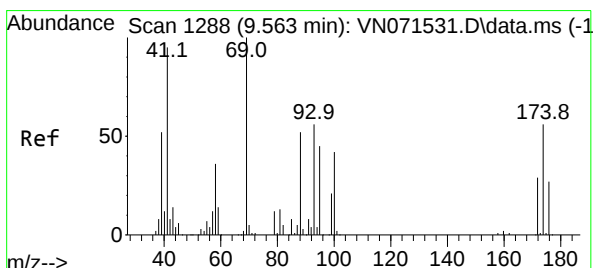
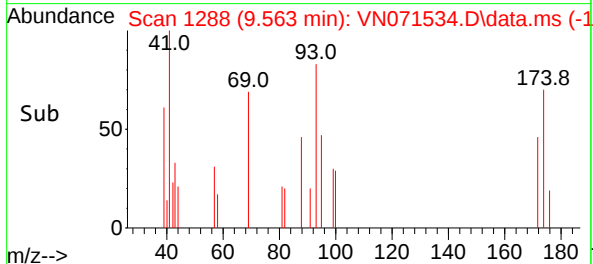
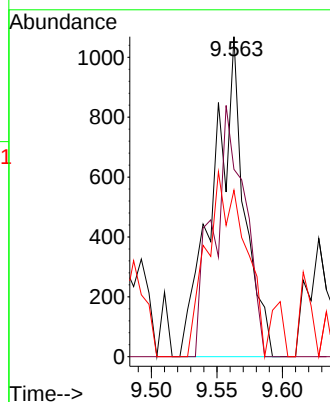
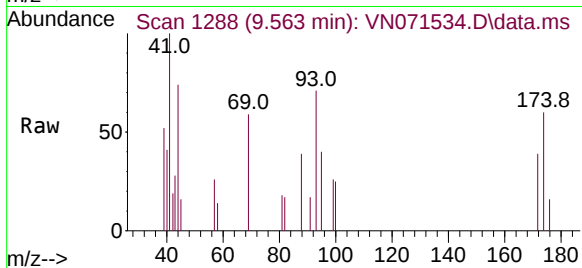
Tgt Ion: 41 Resp: 1775

Ion Ratio Lower Upper

41 100

69 78.3 74.7 112.1

39 69.8 45.6 68.4#



#49

1,4-Dioxane

Concen: 5.154 ug/l

RT: 9.569 min Scan# 1289

Delta R.T. 0.006 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

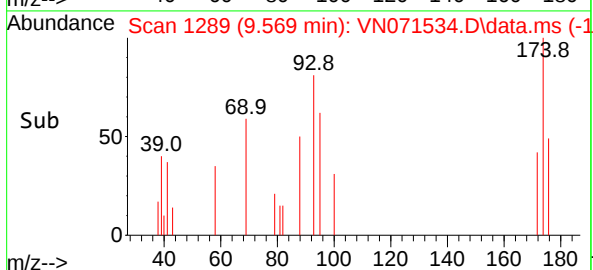
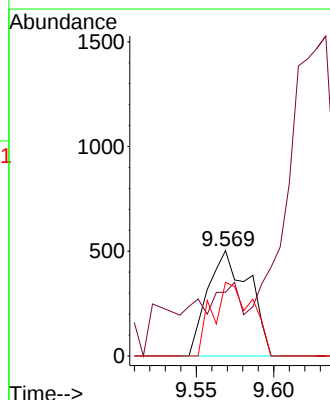
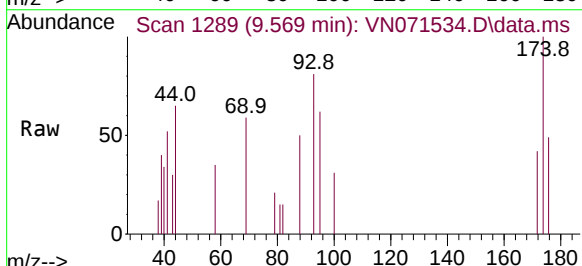
Tgt Ion: 88 Resp: 935

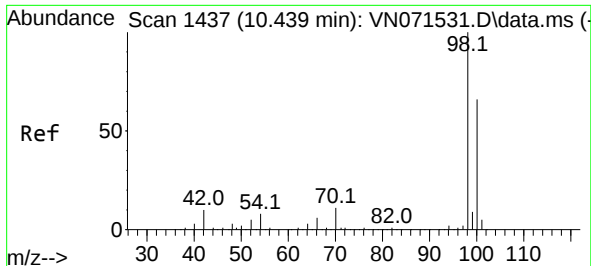
Ion Ratio Lower Upper

88 100

43 13.8 20.2 30.4#

58 66.1 54.2 81.4

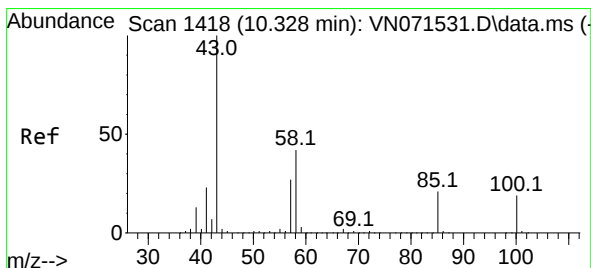
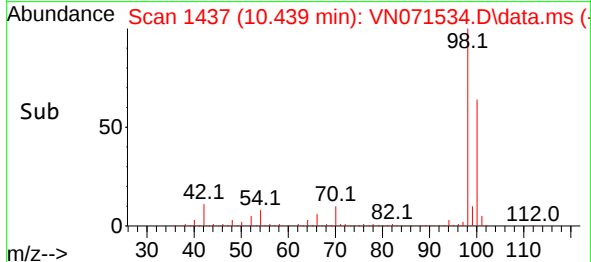
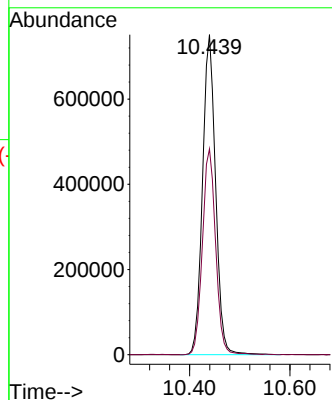
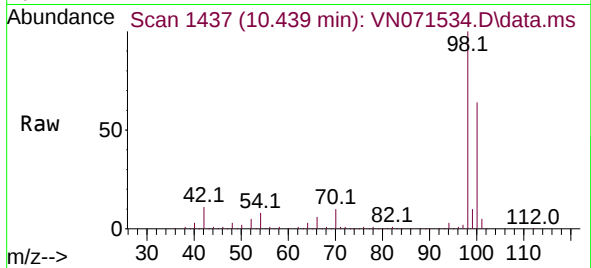




#50
Toluene-d8
Concen: 48.478 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

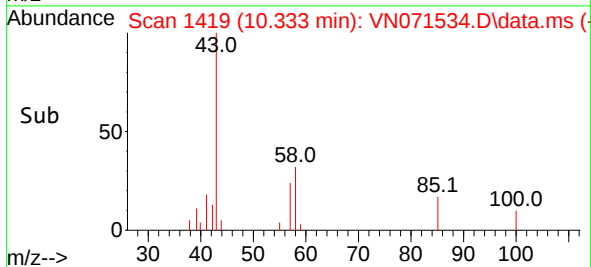
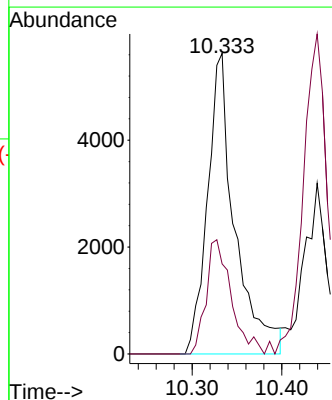
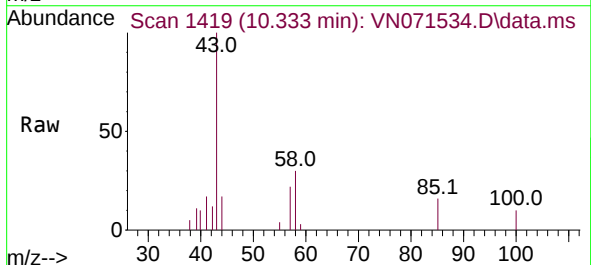
Instrument :
MSVOA_N
ClientSampleId :
IBLK

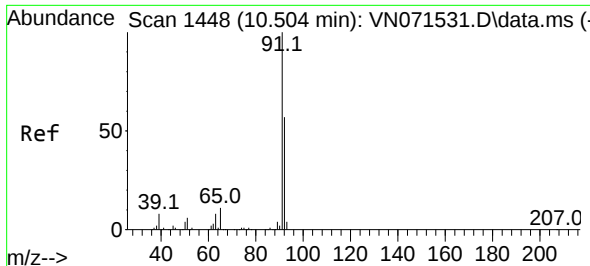
Tgt Ion: 98 Resp: 1354992
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.088 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 43 Resp: 11866
Ion Ratio Lower Upper
43 100
58 34.8 34.1 51.1

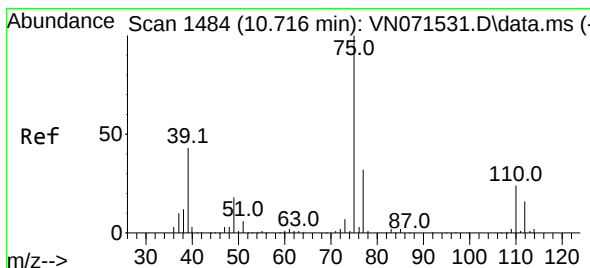
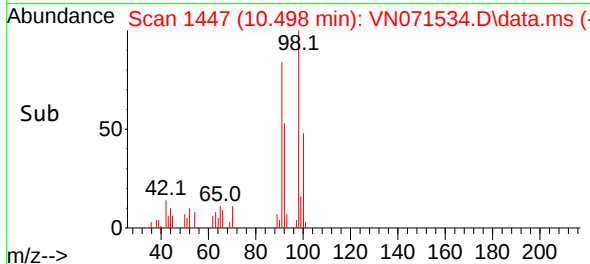
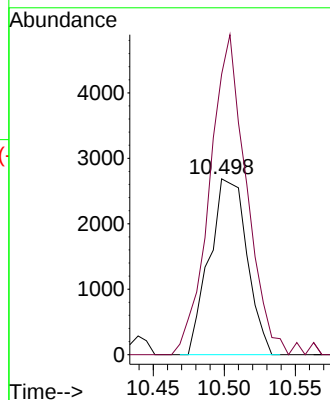
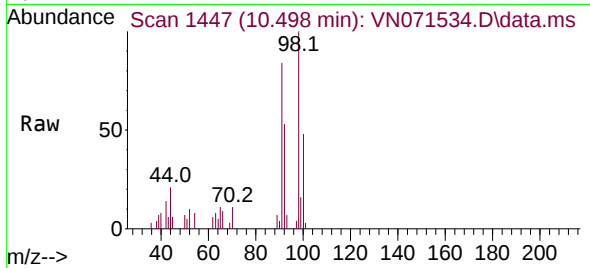




#52
Toluene
Concen: 0.254 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

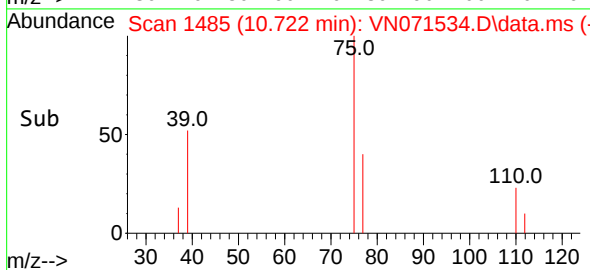
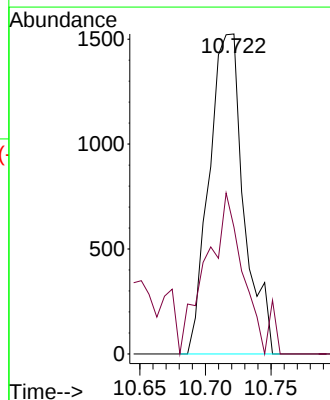
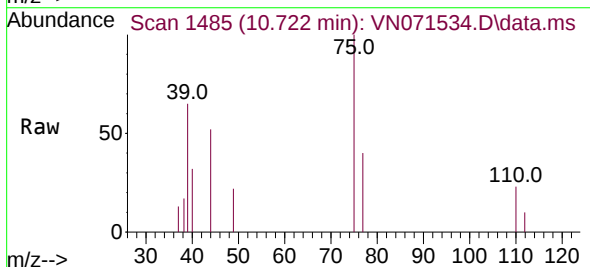
Instrument :
MSVOA_N
ClientSampleId :
IBLK

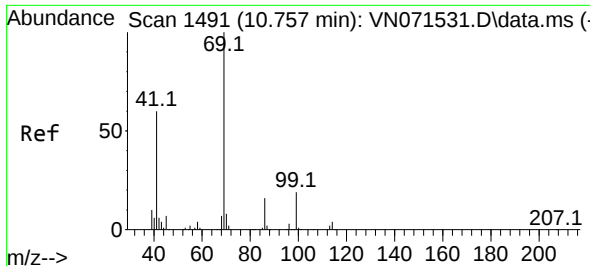
Tgt Ion: 92 Resp: 4942
Ion Ratio Lower Upper
92 100
91 177.7 138.6 207.8



#53
t-1,3-Dichloropropene
Concen: 0.254 ug/l
RT: 10.722 min Scan# 1485
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 75 Resp: 2808
Ion Ratio Lower Upper
75 100
77 39.6 25.6 38.4#

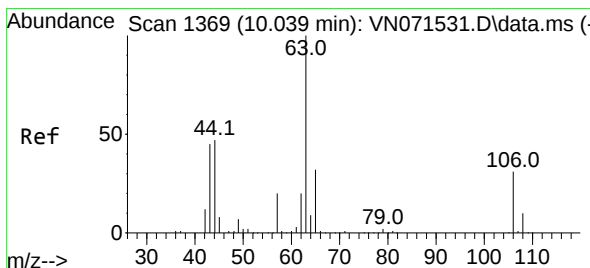
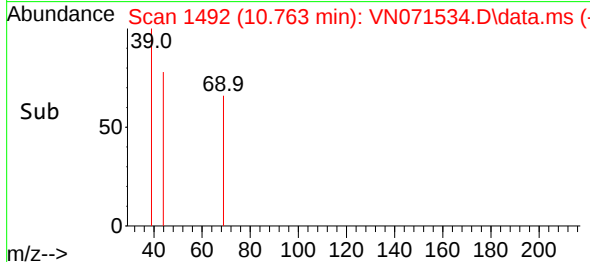
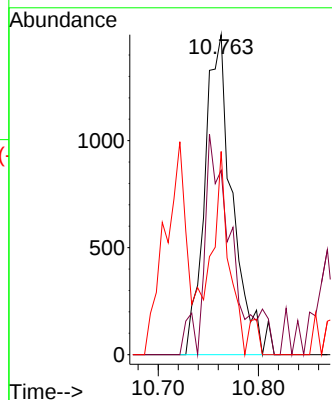
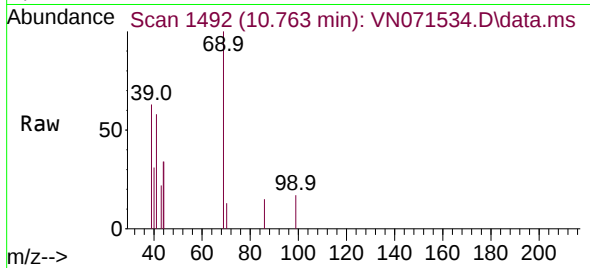




#56
Ethyl methacrylate
Concen: 0.242 ug/l
RT: 10.763 min Scan# 1491
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

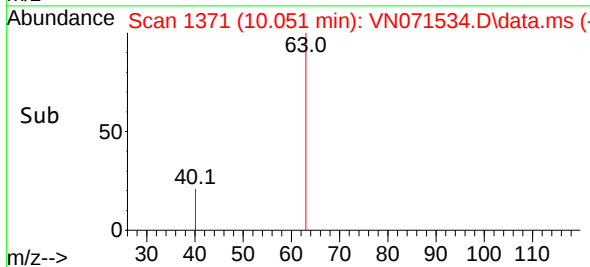
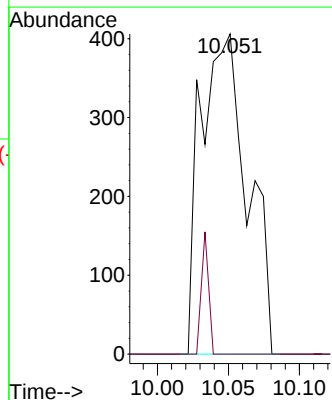
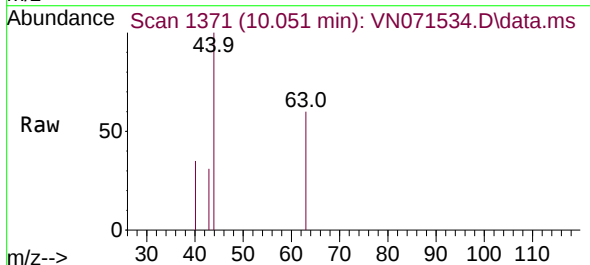
Instrument :
MSVOA_N
ClientSampleId :
IBLK

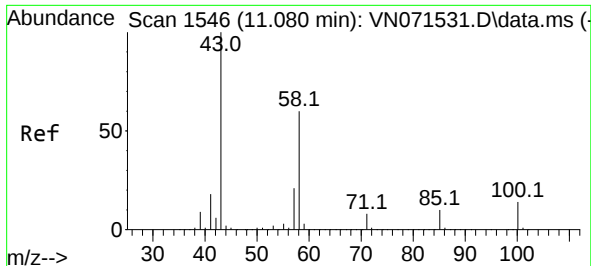
Tgt Ion: 69 Resp: 2881
Ion Ratio Lower Upper
69 100
41 64.9 47.8 71.6
39 35.8 27.3 40.9



#58
2-Chloroethyl Vinyl ether
Concen: 18.912 ug/l
RT: 10.051 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 63 Resp: 929
Ion Ratio Lower Upper
63 100
106 5.9 24.6 36.8#





#59

2-Hexanone

Concen: 3.084 ug/l

RT: 11.086 min Scan# 1546

Delta R.T. 0.006 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

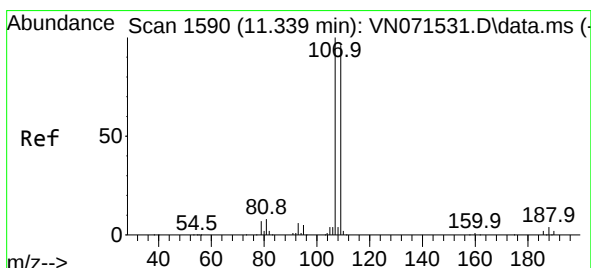
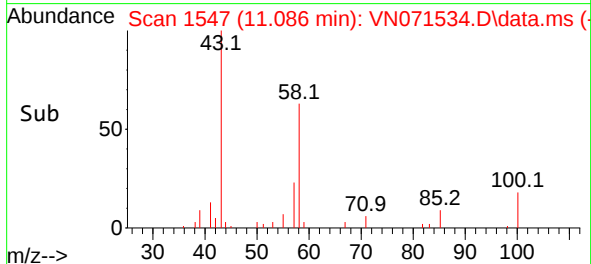
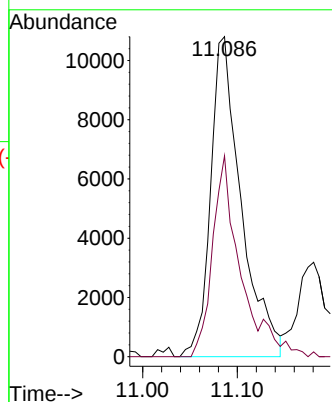
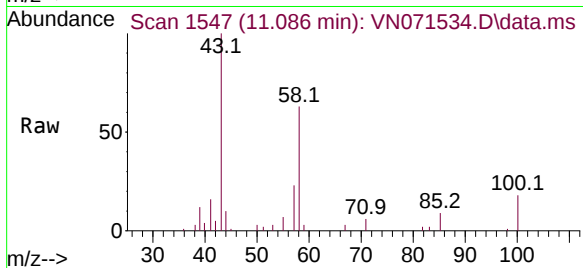
IBLK

Tgt Ion: 43 Resp: 24240

Ion Ratio Lower Upper

43 100

58 57.6 29.7 89.1



#61

1,2-Dibromoethane

Concen: 0.240 ug/l

RT: 11.351 min Scan# 1592

Delta R.T. 0.012 min

Lab File: VN071534.D

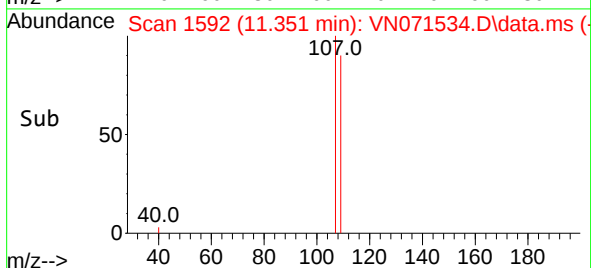
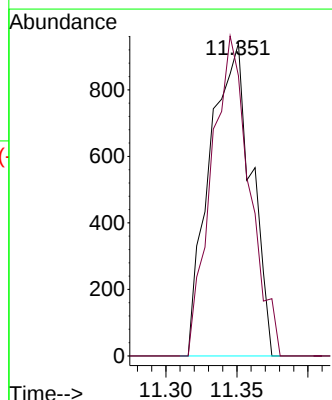
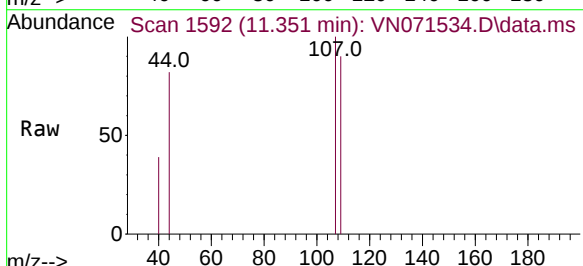
Acq: 24 Mar 2022 21:34

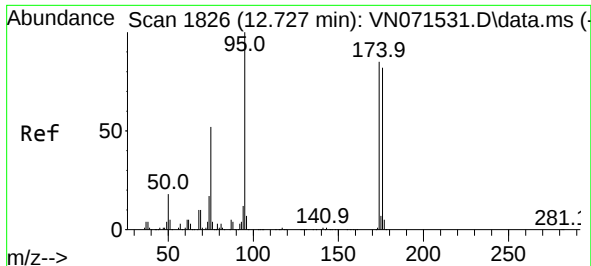
Tgt Ion: 107 Resp: 1911

Ion Ratio Lower Upper

107 100

109 93.9 75.0 112.6

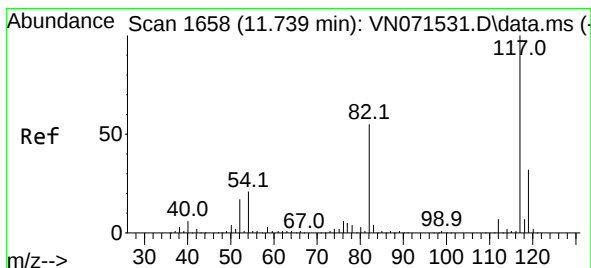
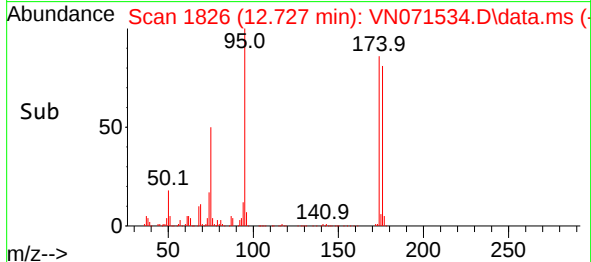
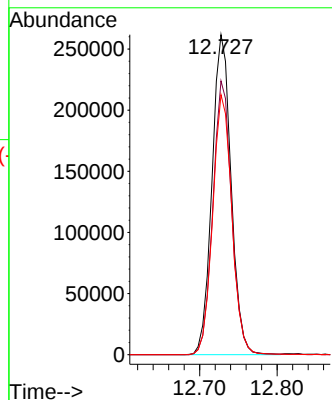
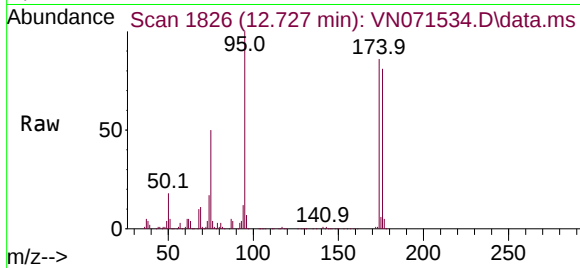




#62
4-Bromofluorobenzene
Concen: 48.887 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

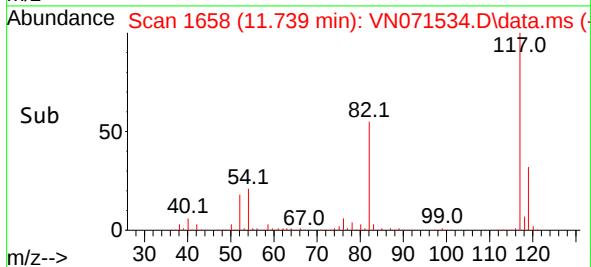
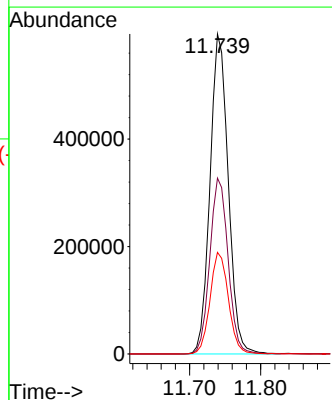
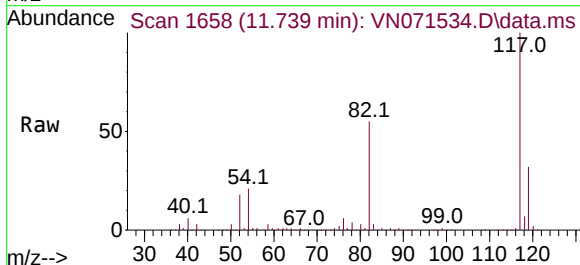
Instrument :
MSVOA_N
ClientSampleId :
IBLK

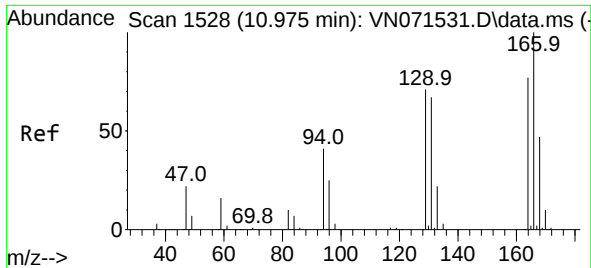
Tgt Ion: 95 Resp: 447729
Ion Ratio Lower Upper
95 100
174 84.3 0.0 167.6
176 81.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 117 Resp: 1060984
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 31.7 25.4 38.0

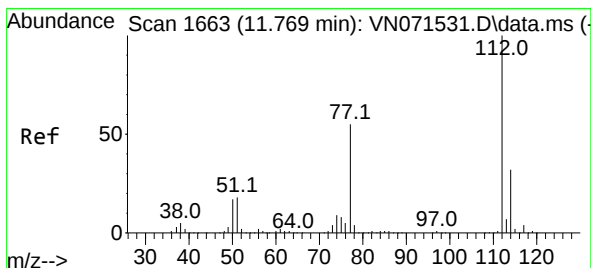
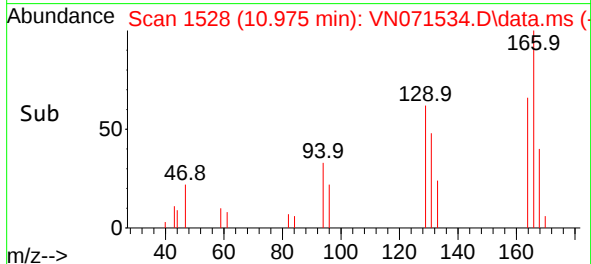
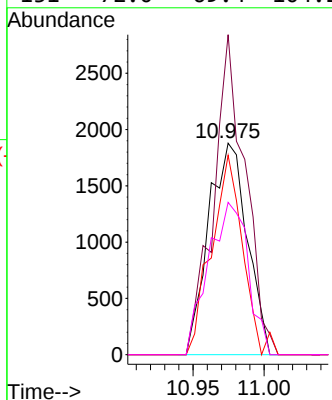
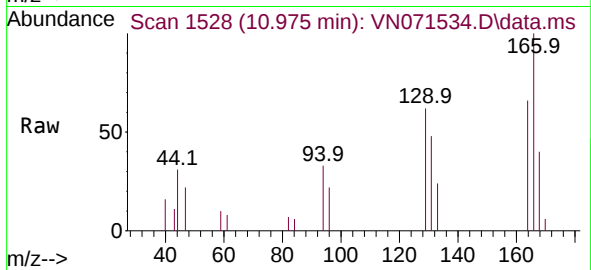




#64
Tetrachloroethene
Concen: 0.483 ug/l
RT: 10.975 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

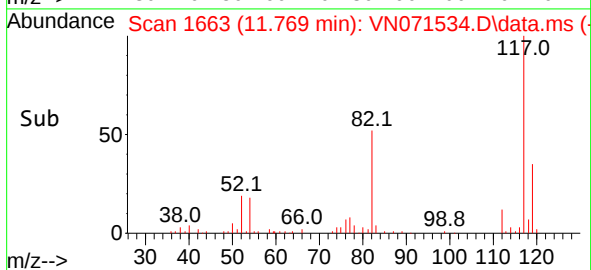
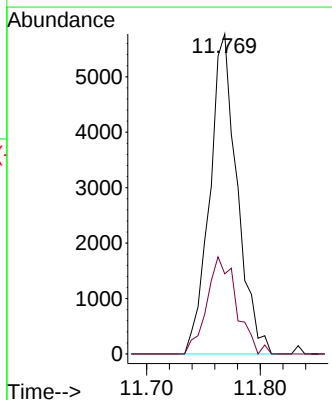
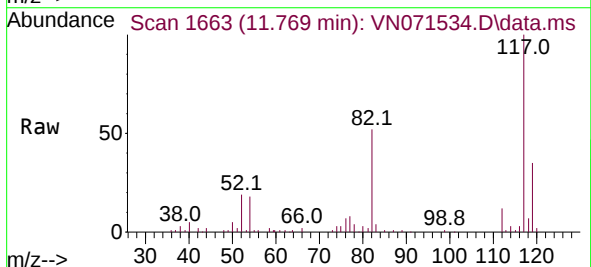
Instrument :
MSVOA_N
ClientSampleId :
IBLK

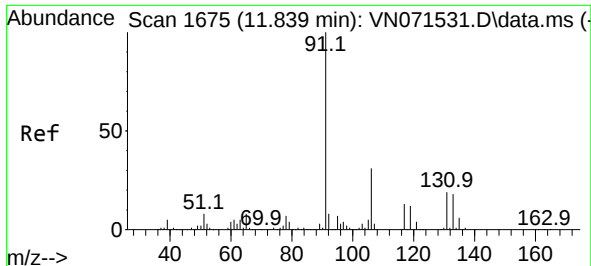
Tgt Ion:164 Resp: 3539
Ion Ratio Lower Upper
164 100
166 151.3 104.2 156.2
129 94.3 73.9 110.9
131 72.0 69.4 104.2



#65
Chlorobenzene
Concen: 0.430 ug/l
RT: 11.769 min Scan# 1663
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion:112 Resp: 9678
Ion Ratio Lower Upper
112 100
114 25.0 25.4 38.2#

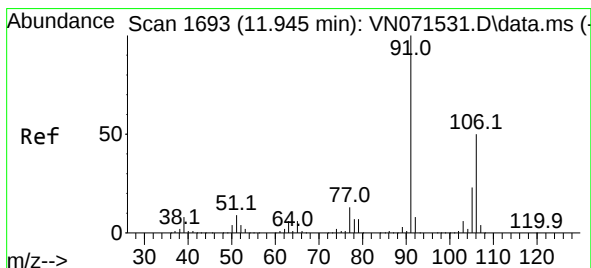
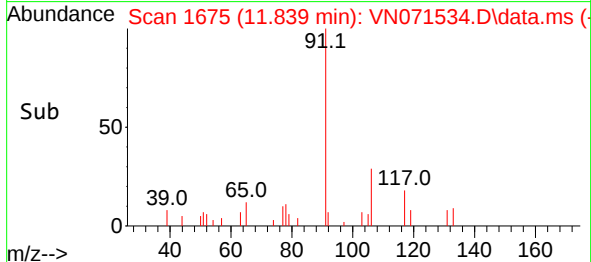
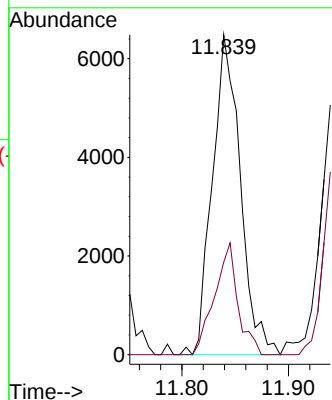
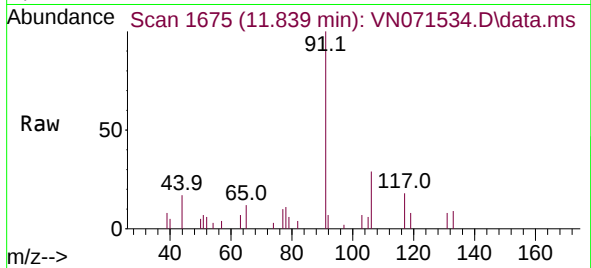




#67
Ethyl Benzene
Concen: 0.305 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

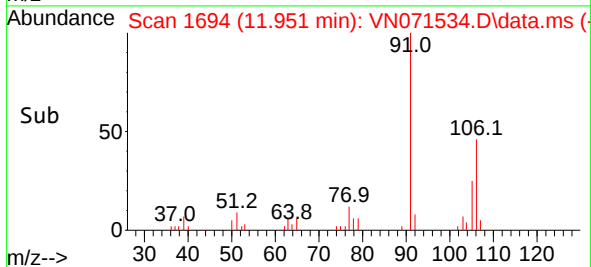
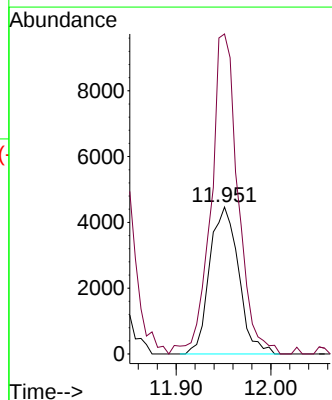
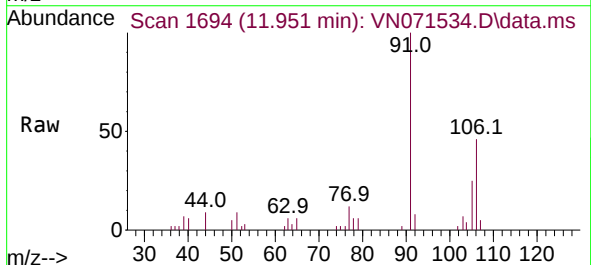
Instrument :
MSVOA_N
ClientSampleId :
IBLK

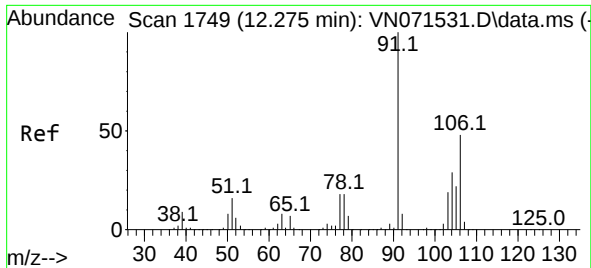
Tgt Ion: 91 Resp: 11805
Ion Ratio Lower Upper
91 100
106 28.9 24.9 37.3



#68
m/p-Xylenes
Concen: 0.641 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 106 Resp: 9482
Ion Ratio Lower Upper
106 100
91 203.9 158.9 238.3

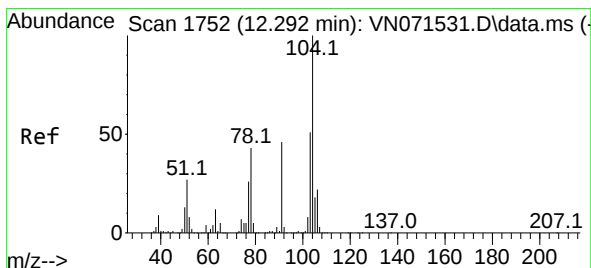
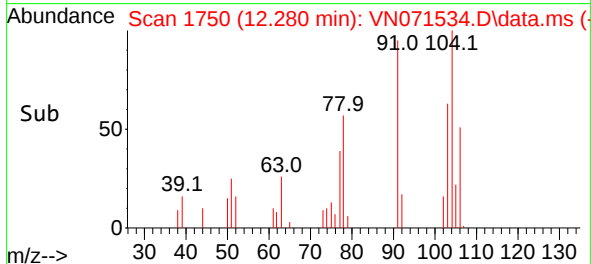
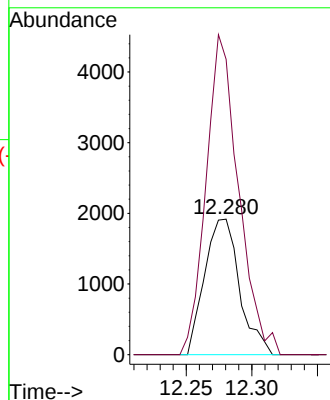
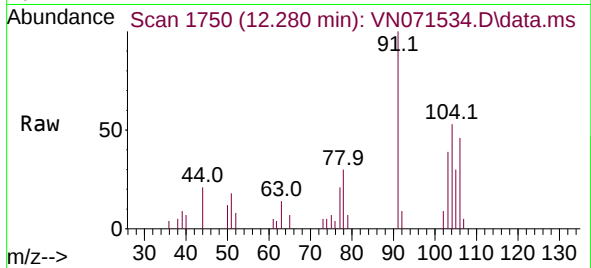




#69
o-Xylene
Concen: 0.242 ug/l
RT: 12.280 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

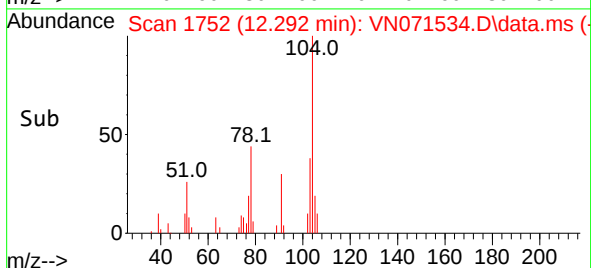
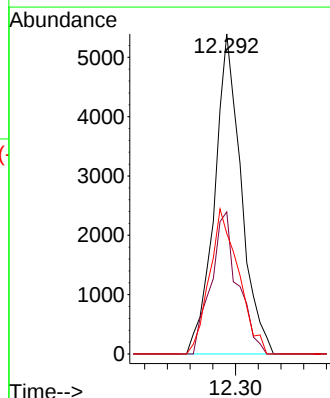
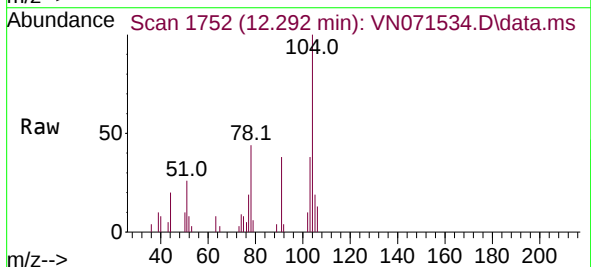
Instrument :
MSVOA_N
ClientSampleId :
IBLK

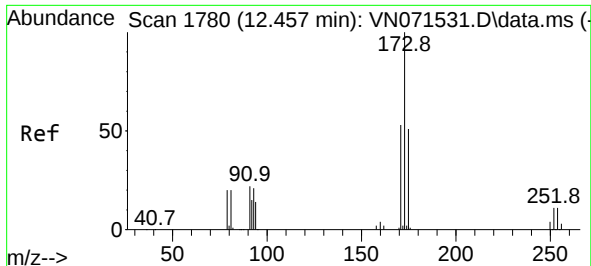
Tgt Ion:106 Resp: 3550
Ion Ratio Lower Upper
106 100
91 219.9 106.0 318.0



#70
Styrene
Concen: 0.384 ug/l
RT: 12.292 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion:104 Resp: 8789
Ion Ratio Lower Upper
104 100
78 44.6 39.5 59.3
103 49.5 44.0 66.0

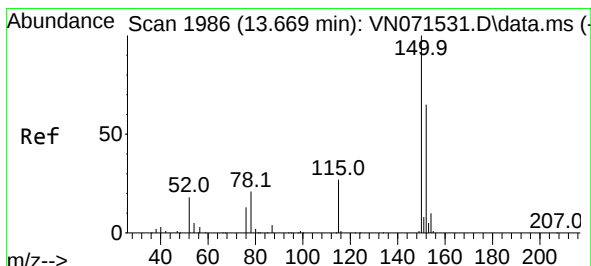
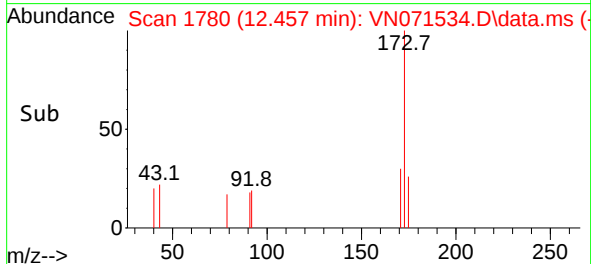
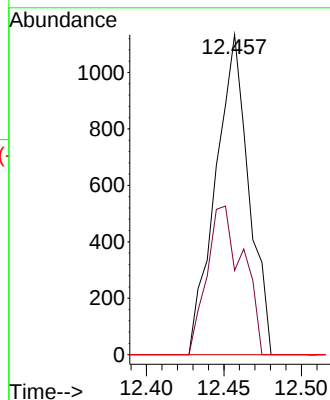
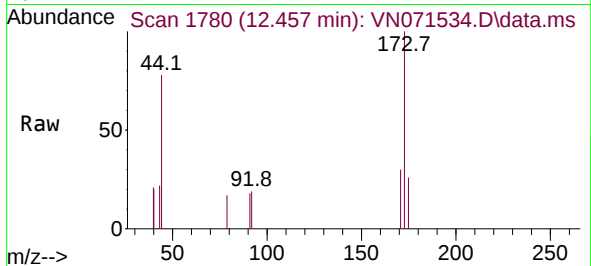




#71
Bromoform
Concen: 0.270 ug/l
RT: 12.457 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

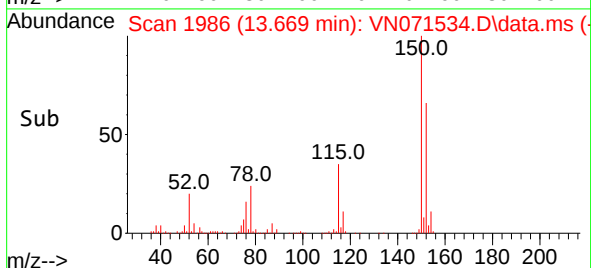
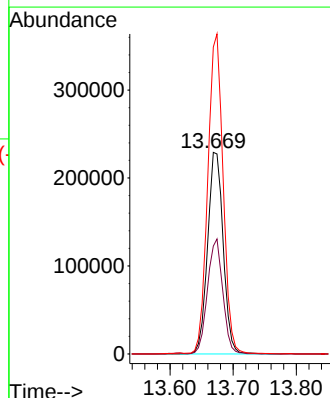
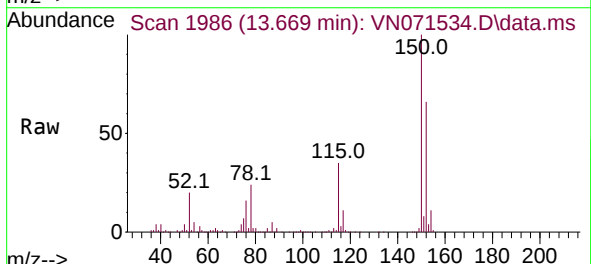
Instrument :
MSVOA_N
ClientSampleId :
IBLK

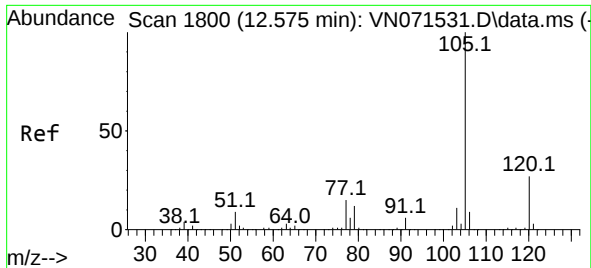
Tgt Ion:173 Resp: 1691
Ion Ratio Lower Upper
173 100
175 50.4 24.6 73.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion:152 Resp: 393312
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.7
150 155.9 0.0 356.2

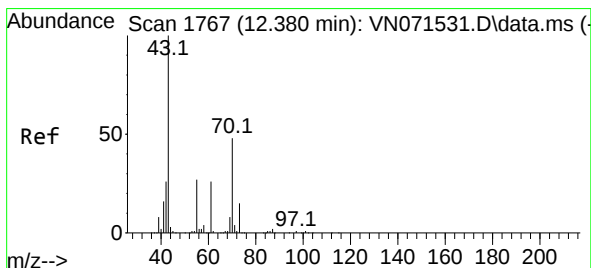
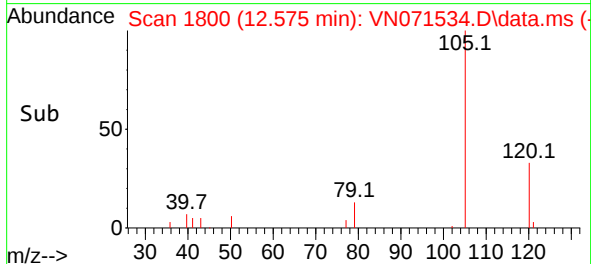
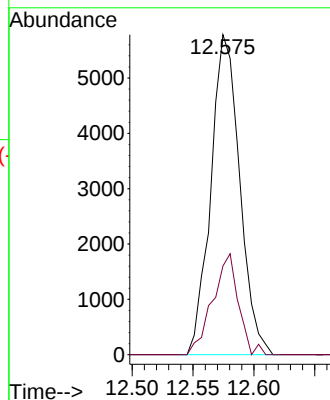
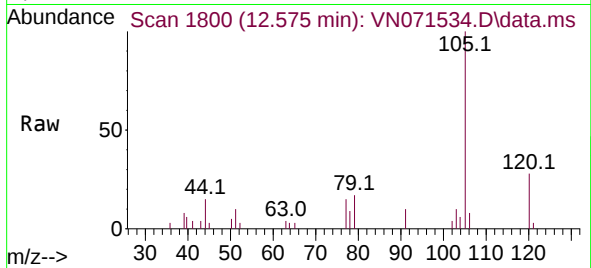




#73
Isopropylbenzene
Concen: 0.275 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

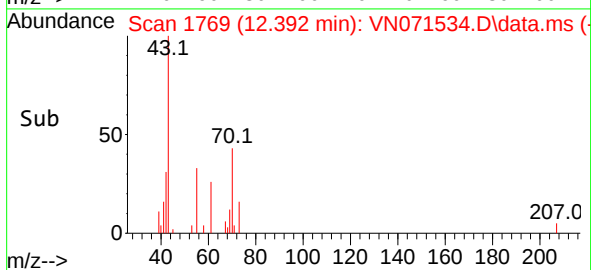
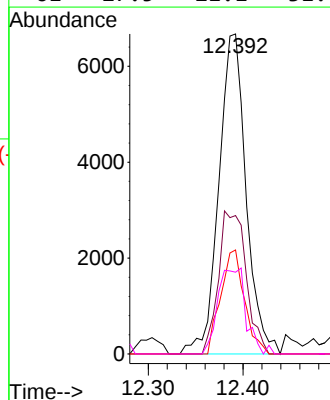
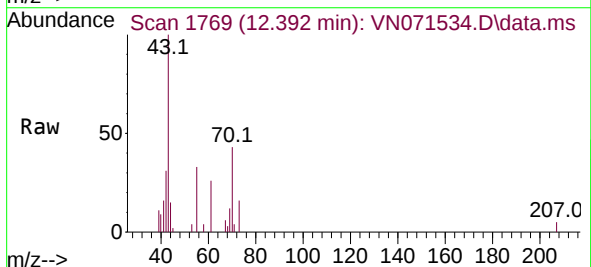
Instrument :
MSVOA_N
ClientSampleId :
IBLK

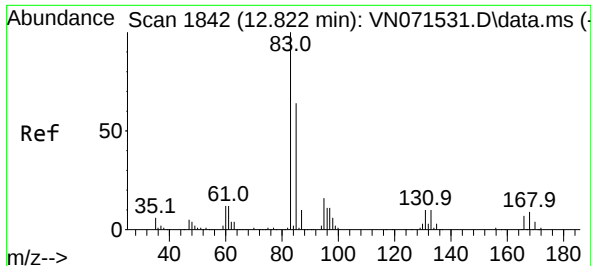
Tgt Ion:105 Resp: 9546
Ion Ratio Lower Upper
105 100
120 28.1 13.5 40.4



#74
N-ethyl acetate
Concen: 1.200 ug/l
RT: 12.392 min Scan# 1769
Delta R.T. 0.012 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 43 Resp: 13372
Ion Ratio Lower Upper
43 100
70 45.2 39.0 58.4
55 28.4 21.1 31.7
61 27.5 21.1 31.7

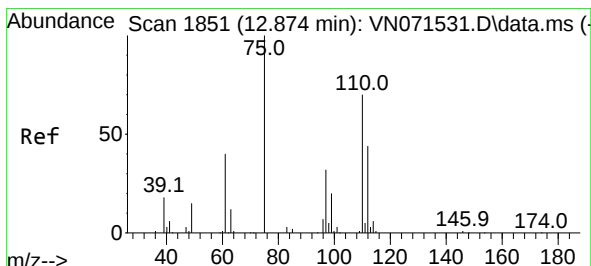
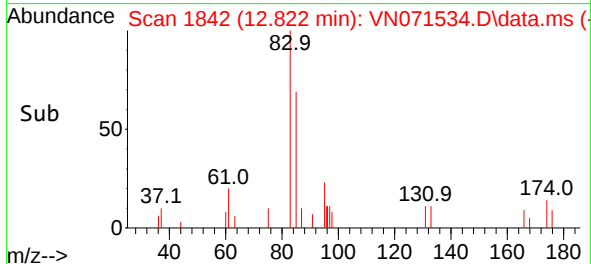
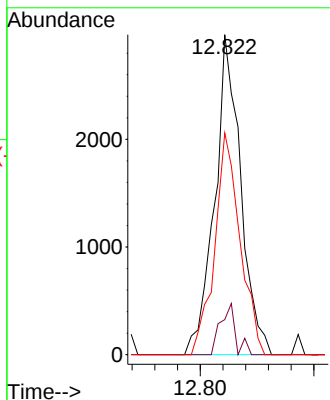
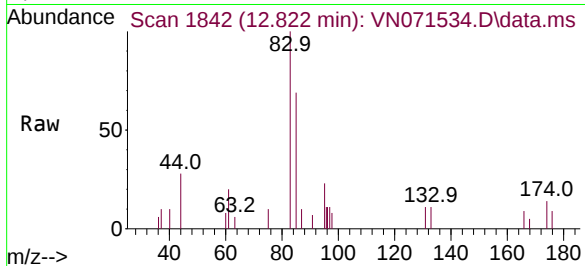




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.822 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

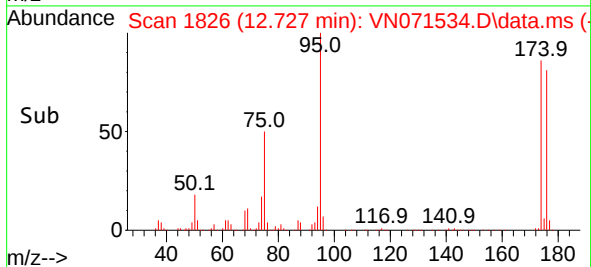
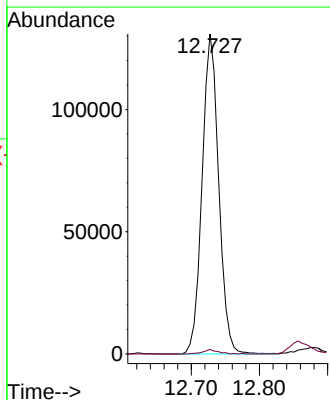
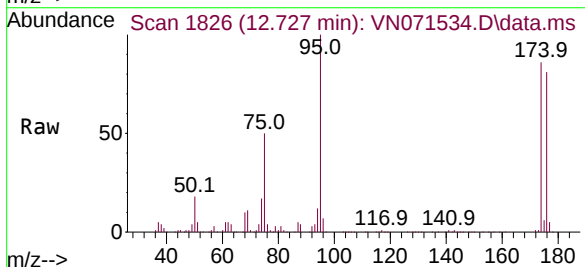
Instrument : MSVOA_N
ClientSampleId : IBLK

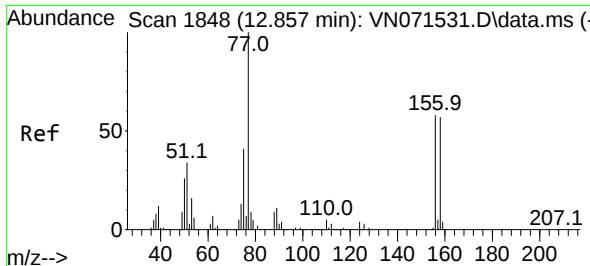
Tgt Ion: 83 Resp: 4727
Ion Ratio Lower Upper
83 100
131 9.3 5.3 15.9
85 67.4 32.3 96.9



#76
1,2,3-Trichloropropane
Concen: 25.277 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 75 Resp: 221685
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

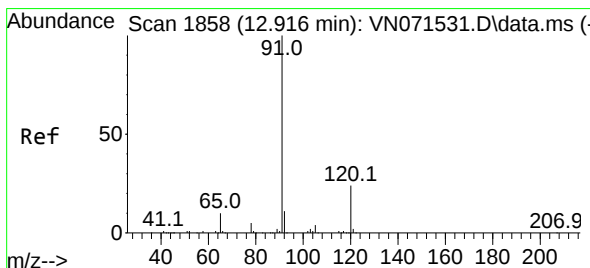
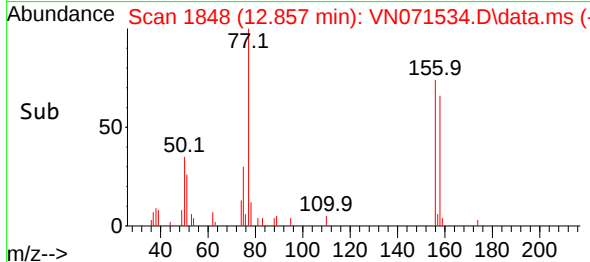
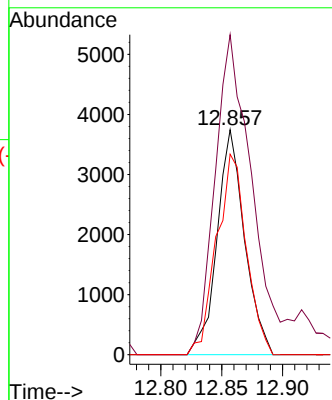
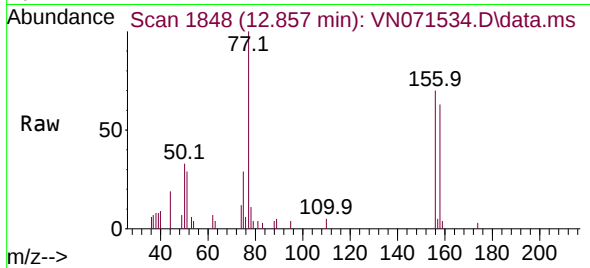




#77
Bromobenzene
Concen: 0.682 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

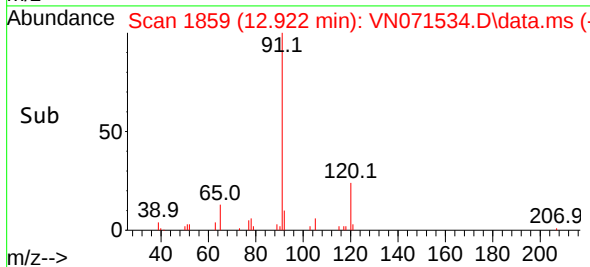
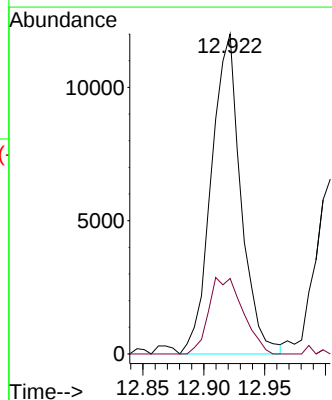
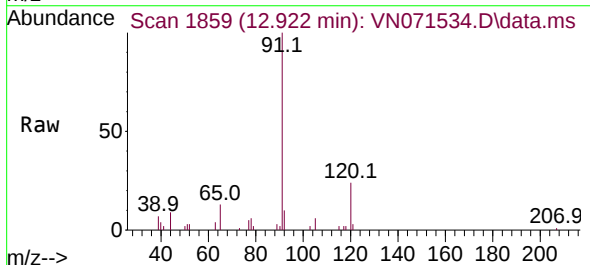
Instrument :
MSVOA_N
ClientSampleId :
IBLK

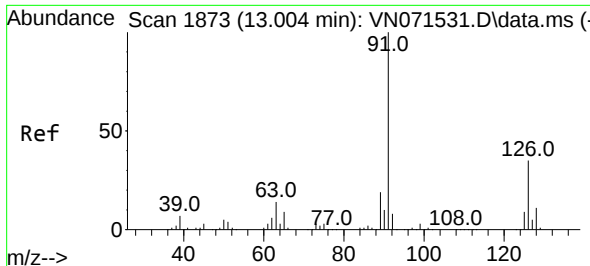
Tgt Ion	Ratio	Lower	Upper
156	100		
77	193.2	100.5	301.5
158	96.5	48.9	146.6



#78
n-propylbenzene
Concen: 0.551 ug/l
RT: 12.922 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	27.6	11.9	35.5

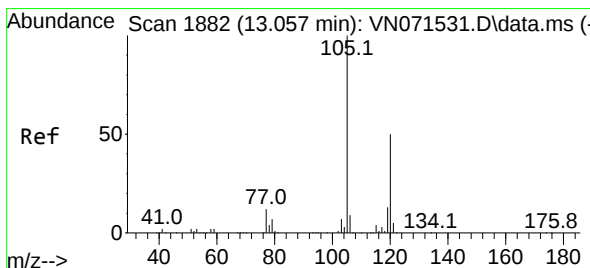
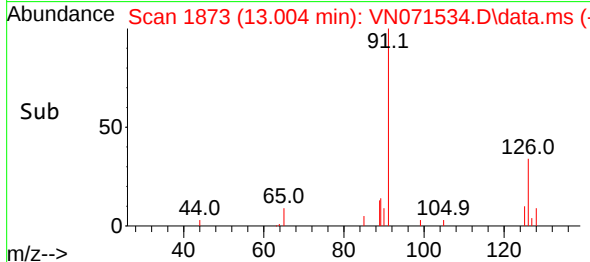
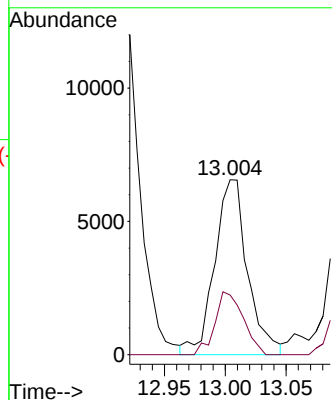
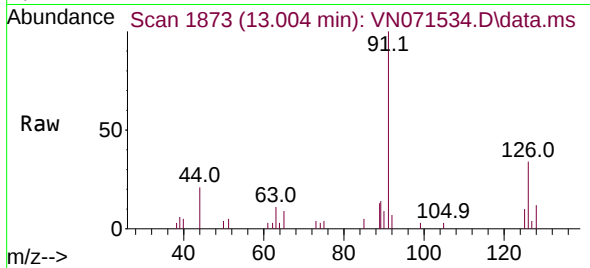




#79
2-Chlorotoluene
Concen: 0.519 ug/l
RT: 13.004 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

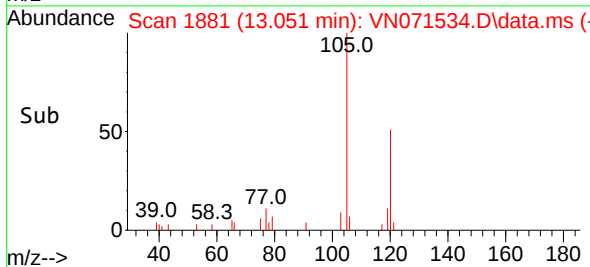
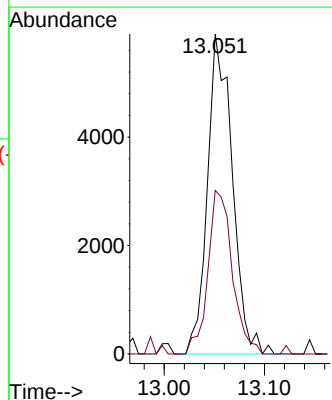
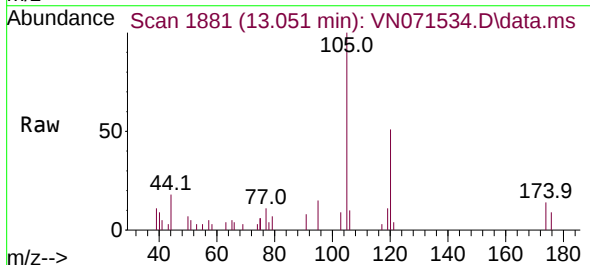
Instrument :
MSVOA_N
ClientSampleId :
IBLK

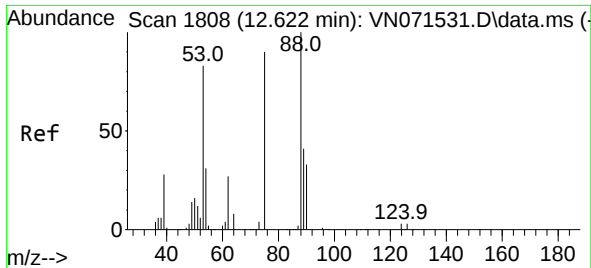
Tgt Ion: 91 Resp: 12351
Ion Ratio Lower Upper
91 100
126 30.8 17.3 51.9



#80
1,3,5-Trimethylbenzene
Concen: 0.372 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 105 Resp: 10171
Ion Ratio Lower Upper
105 100
120 50.2 24.9 74.7

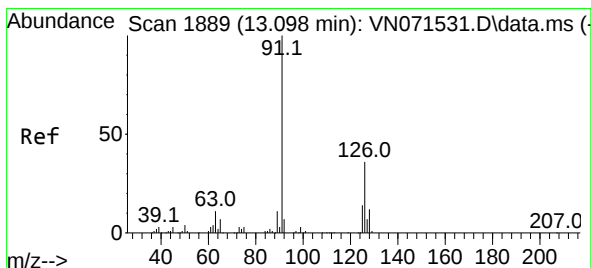
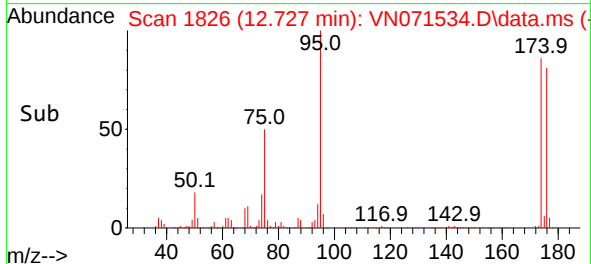
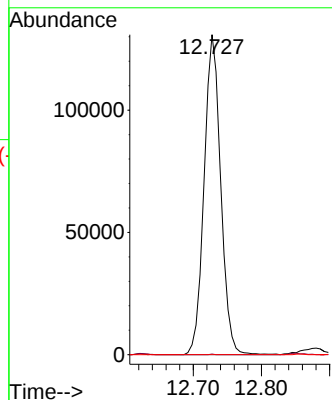
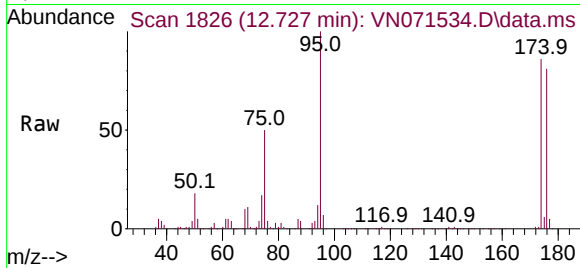




#81
trans-1,4-Dichloro-2-butene
Concen: 67.673 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

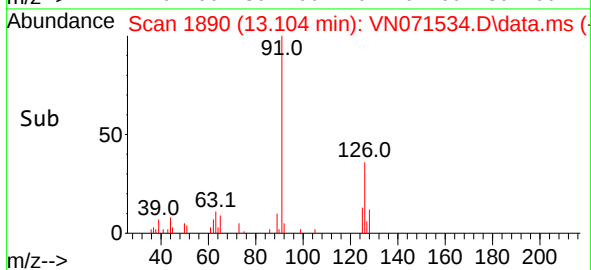
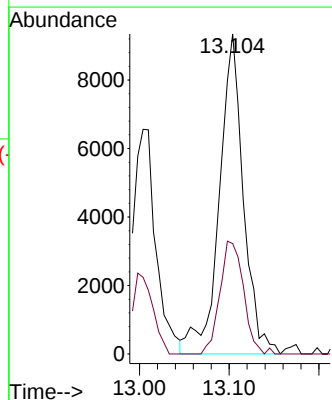
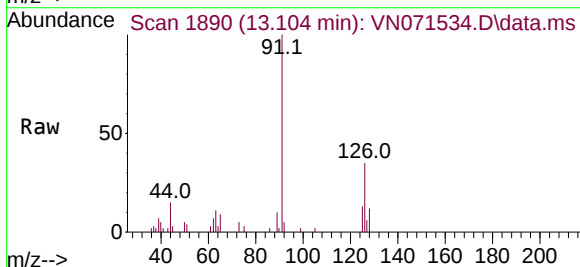
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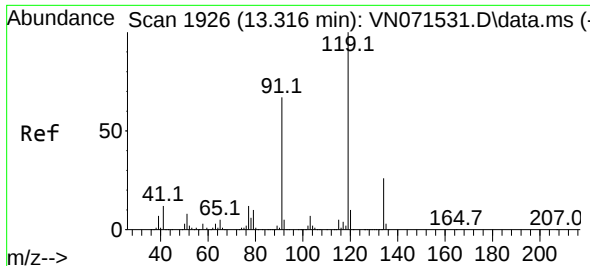
Tgt Ion: 75 Resp: 221685
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.797 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 91 Resp: 17461
Ion Ratio Lower Upper
91 100
126 34.5 17.2 51.6

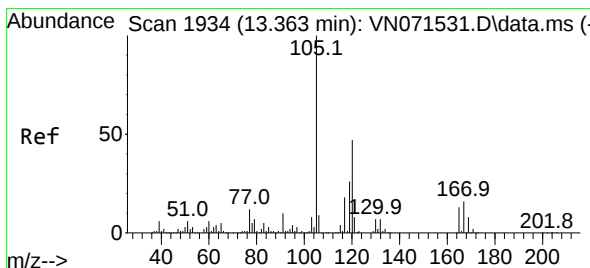
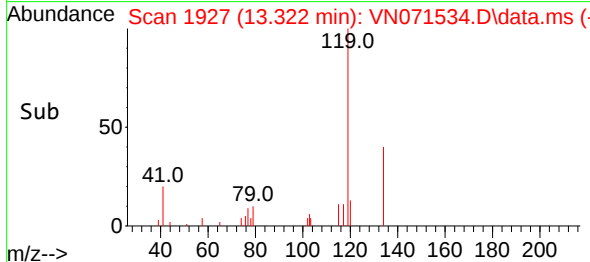
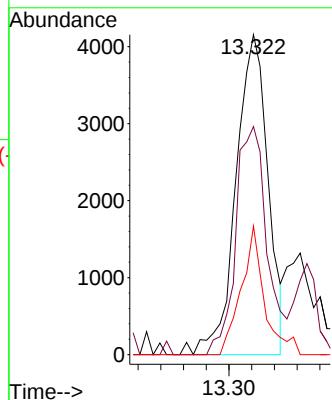
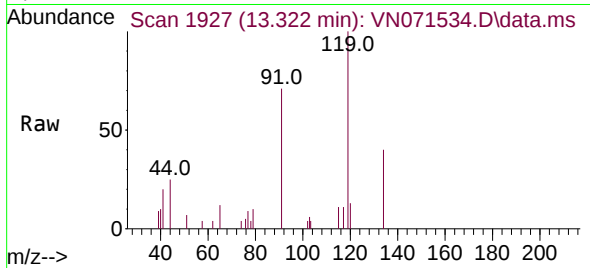




#83
tert-Butylbenzene
Concen: 0.331 ug/l
RT: 13.322 min Scan# 1927
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

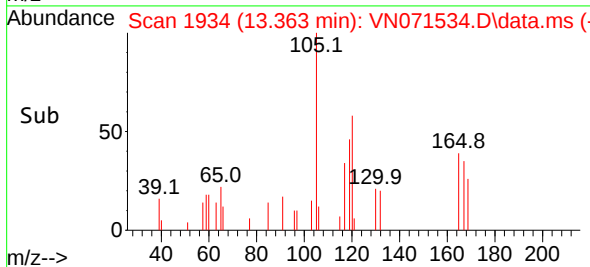
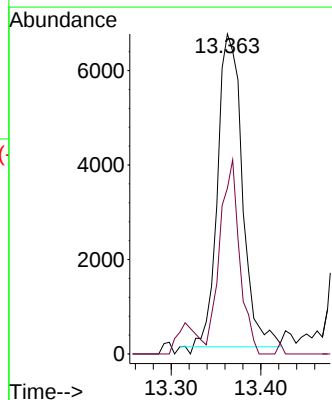
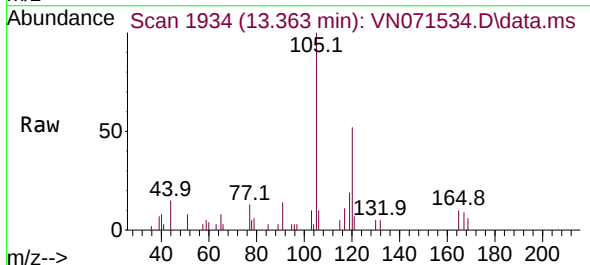
Instrument :
MSVOA_N
ClientSampleId :
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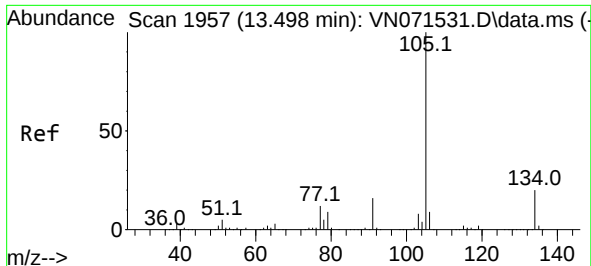
Tgt Ion:119 Resp: 8170
Ion Ratio Lower Upper
119 100
91 69.5 31.6 94.8
134 29.1 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 0.479 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion:105 Resp: 12646
Ion Ratio Lower Upper
105 100
120 49.6 23.3 69.8

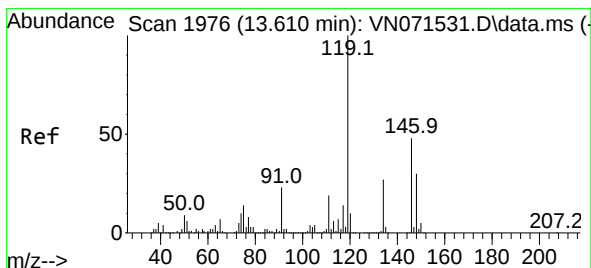
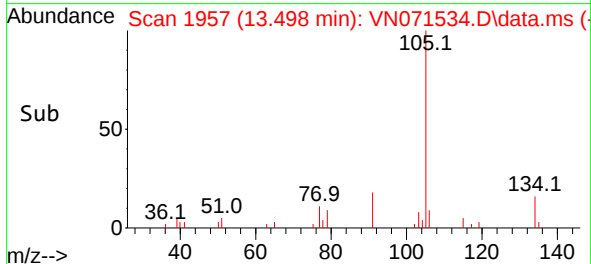
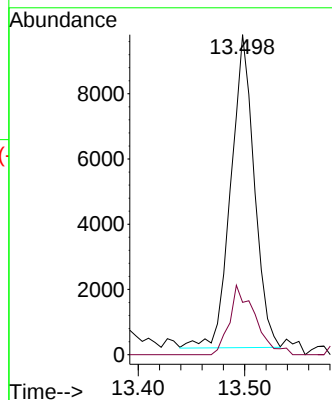
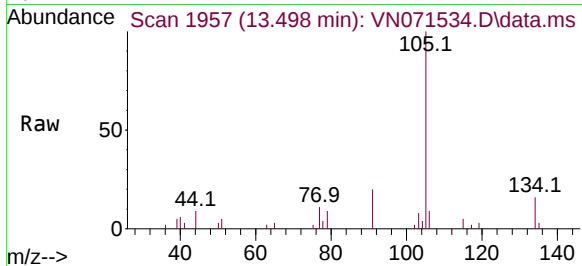




#85
 sec-Butylbenzene
 Concen: 0.448 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VN071534.D
 Acq: 24 Mar 2022 21:34

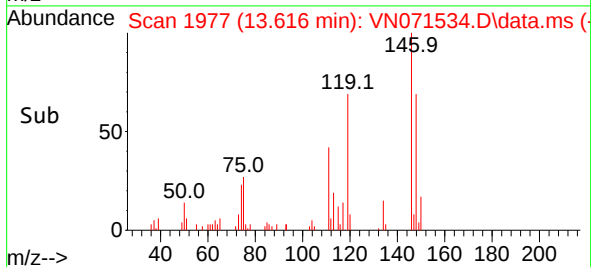
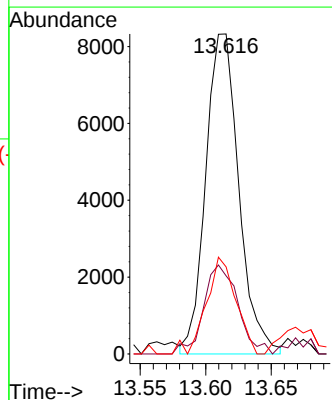
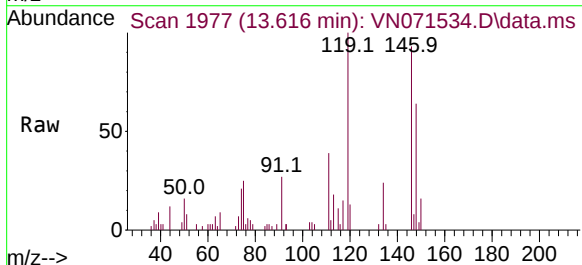
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

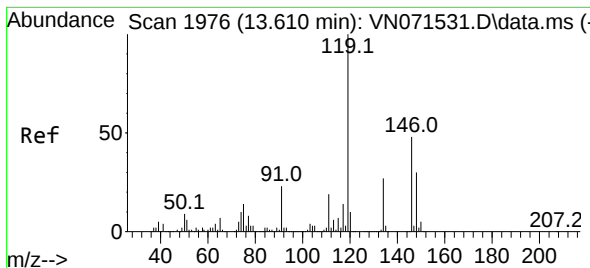
Tgt Ion:105 Resp: 14673
 Ion Ratio Lower Upper
 105 100
 134 24.2 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.561 ug/l
 RT: 13.616 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VN071534.D
 Acq: 24 Mar 2022 21:34

Tgt Ion:119 Resp: 14643
 Ion Ratio Lower Upper
 119 100
 134 28.8 13.3 39.8
 91 27.1 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 1.037 ug/l

RT: 13.616 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

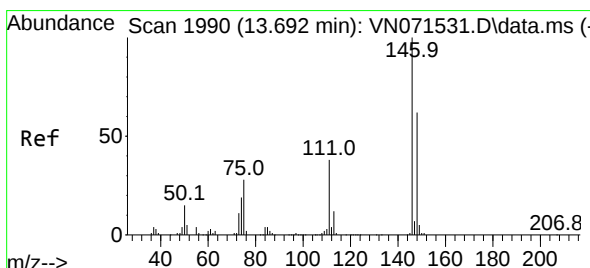
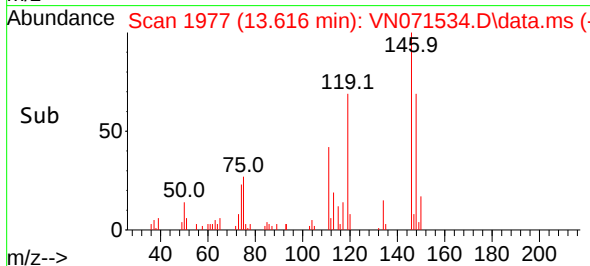
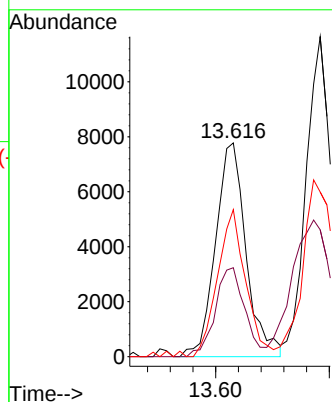
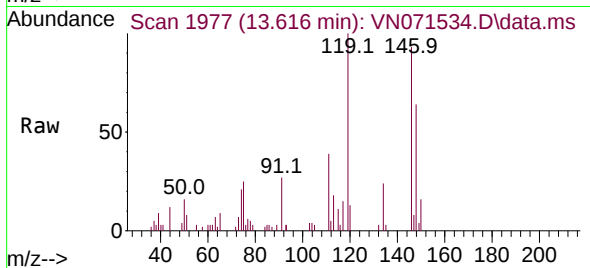
Tgt Ion:146 Resp: 14531

Ion Ratio Lower Upper

146 100

111 40.5 20.0 60.0

148 63.1 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 1.049 ug/l

RT: 13.616 min Scan# 1977

Delta R.T. -0.076 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

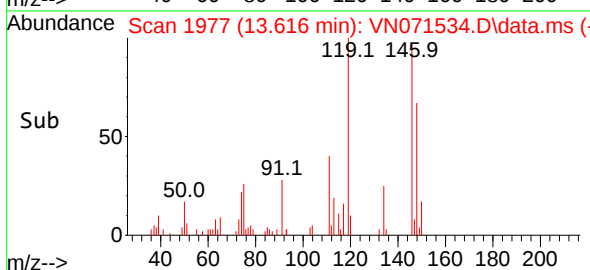
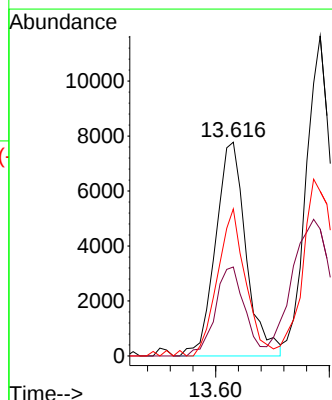
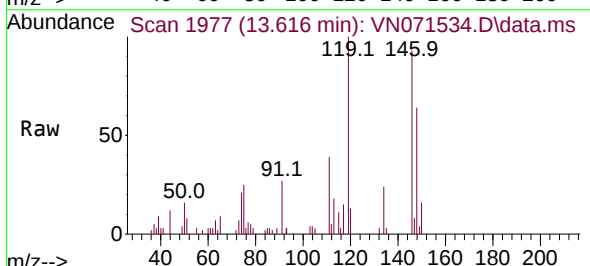
Tgt Ion:146 Resp: 14531

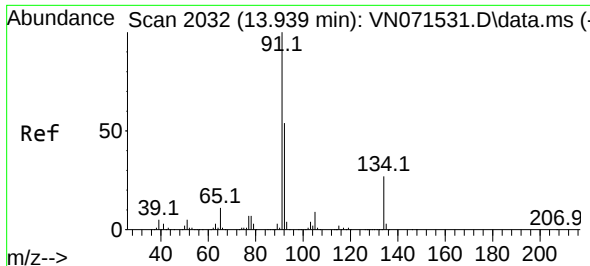
Ion Ratio Lower Upper

146 100

111 40.5 19.1 57.1

148 63.1 31.4 94.3

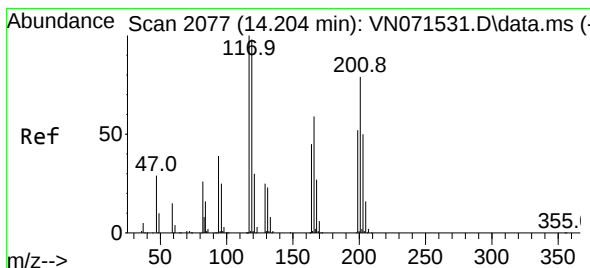
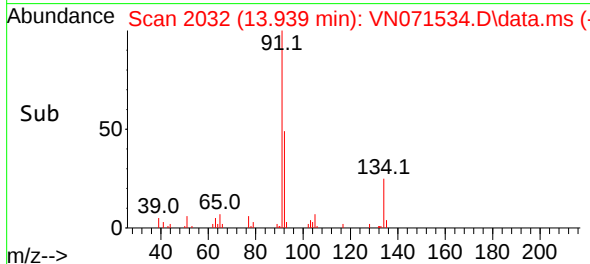
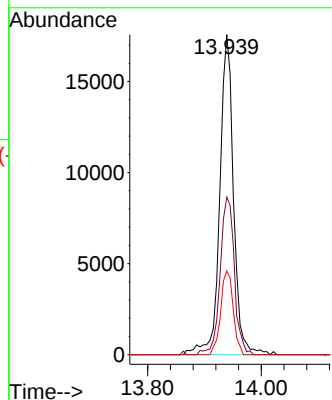
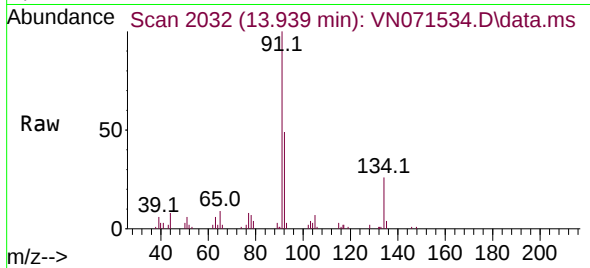




#89
n-Butylbenzene
Concen: 1.484 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

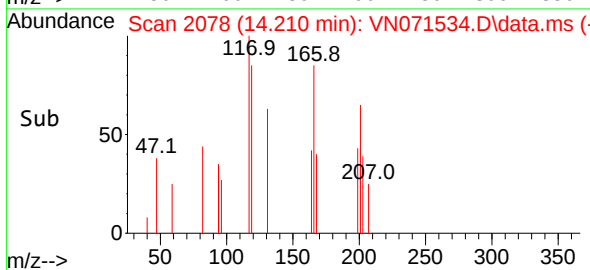
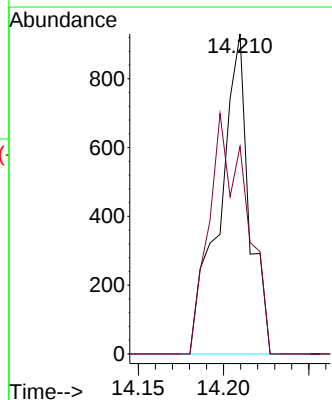
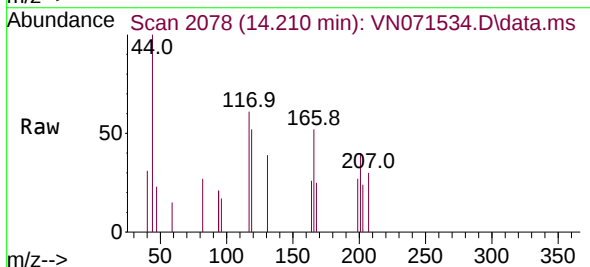
Instrument :
MSVOA_N
ClientSampleId :
IBLK

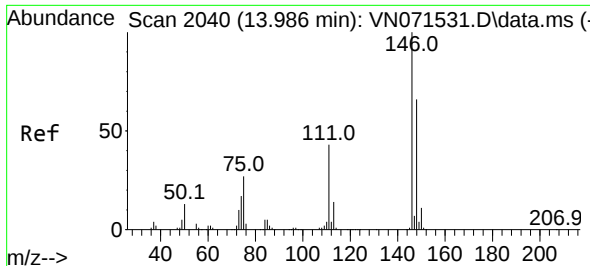
Tgt Ion: 91 Resp: 29681
Ion Ratio Lower Upper
91 100
92 50.8 26.9 80.7
134 23.7 13.6 40.8



#90
Hexachloroethane
Concen: 0.220 ug/l
RT: 14.210 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion: 117 Resp: 1120
Ion Ratio Lower Upper
117 100
201 94.8 40.6 122.0

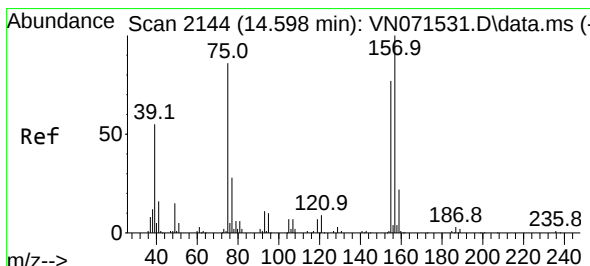
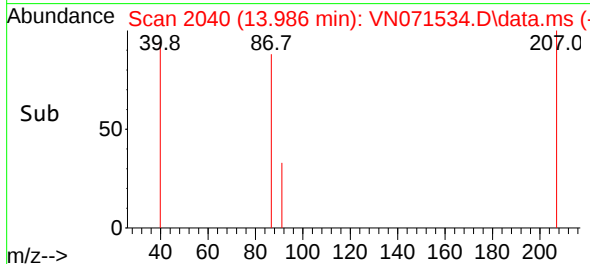
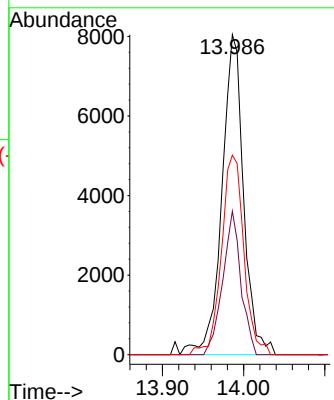
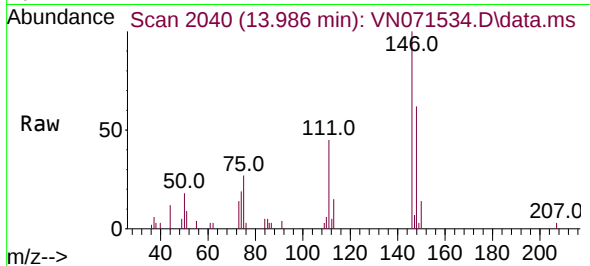




#91
1,2-Dichlorobenzene
Concen: 1.114 ug/l
RT: 13.986 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

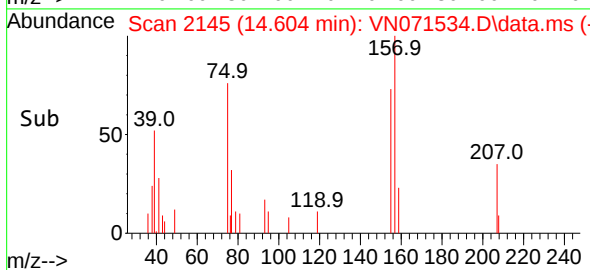
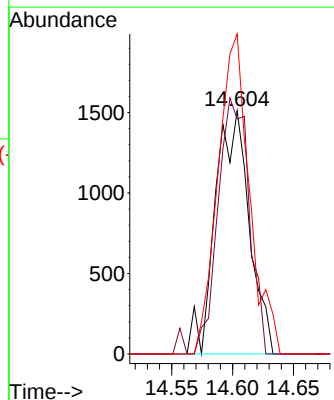
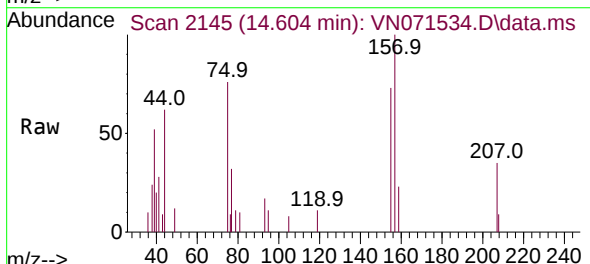
Instrument :
MSVOA_N
ClientSampleId :
IBLK

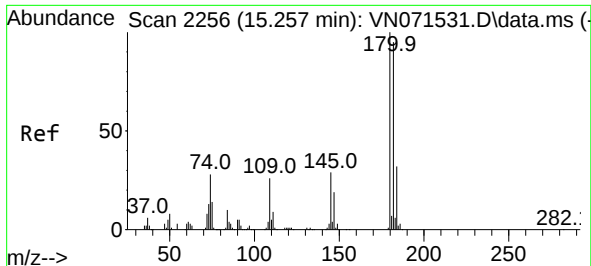
Tgt Ion:	146	Resp:	14968
Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.9	62.8
148	64.5	32.1	96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.435 ug/l
RT: 14.604 min Scan# 2145
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion:	75	Resp:	2943
Ion	Ratio	Lower	Upper
75	100		
155	96.2	44.9	134.5
157	121.4	59.0	176.8

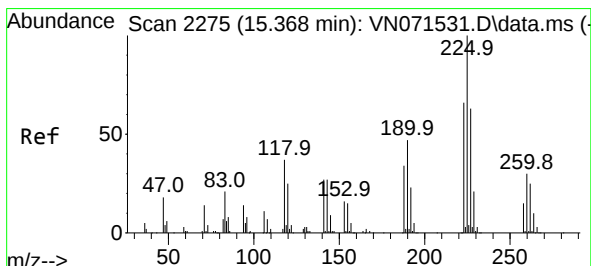
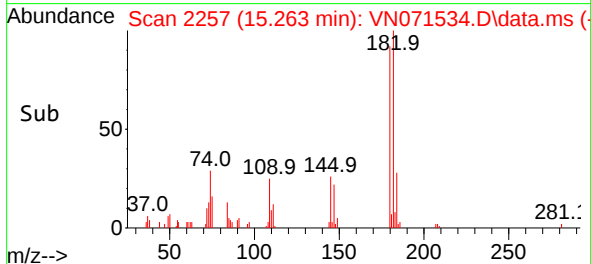
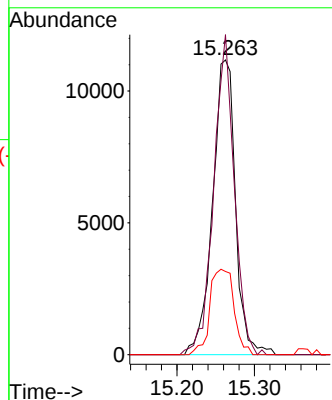
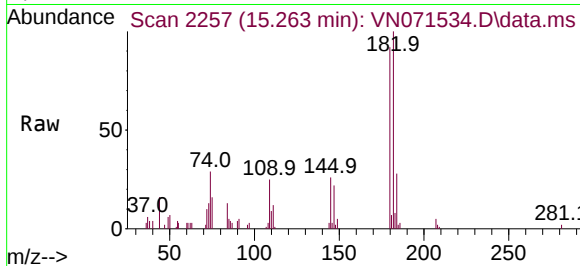




#93
1,2,4-Trichlorobenzene
Concen: 3.684 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.006 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

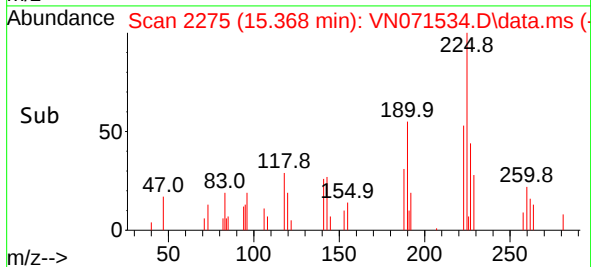
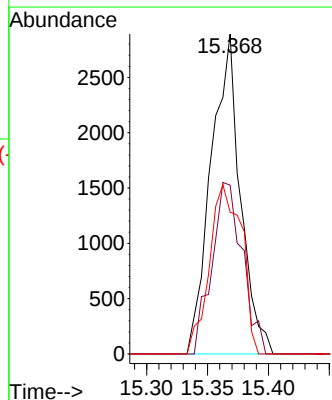
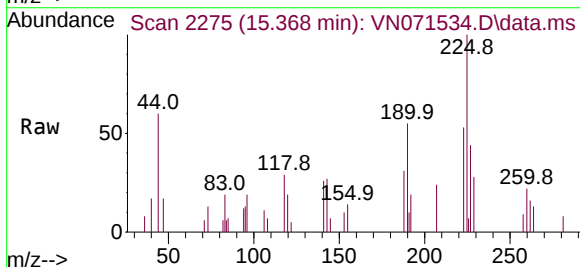
Instrument :
MSVOA_N
ClientSampleId :
IBLK

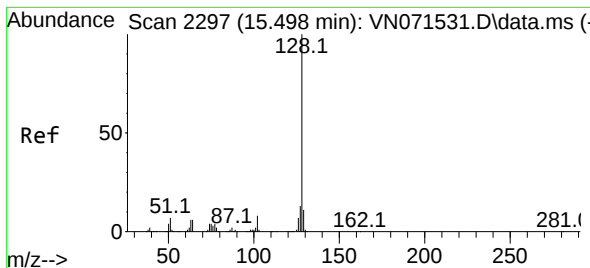
Tgt Ion:180 Resp: 22936
Ion Ratio Lower Upper
180 100
182 97.9 47.5 142.5
145 30.6 14.5 43.5



#94
Hexachlorobutadiene
Concen: 1.287 ug/l
RT: 15.368 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN071534.D
Acq: 24 Mar 2022 21:34

Tgt Ion:225 Resp: 4845
Ion Ratio Lower Upper
225 100
223 55.8 32.4 97.2
227 58.2 31.8 95.4





#95

Naphthalene

Concen: 7.783 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

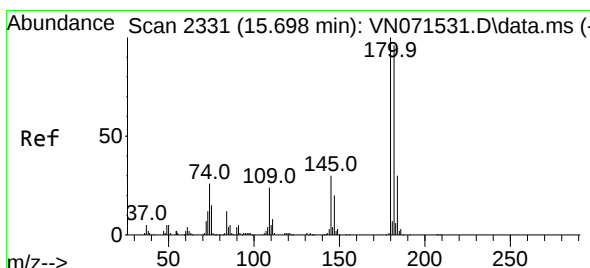
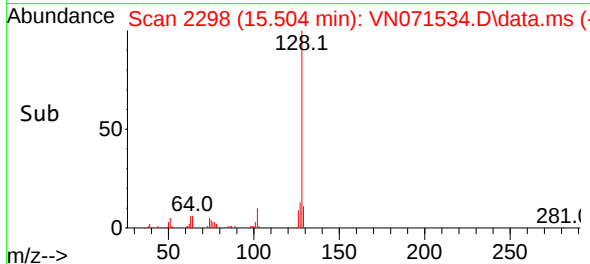
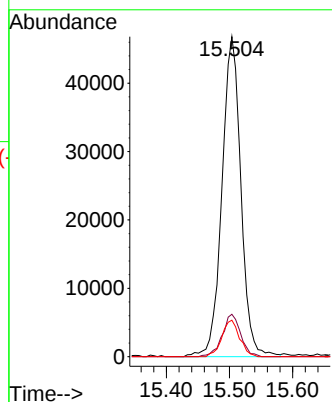
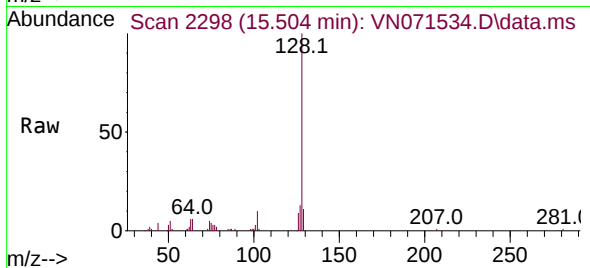
Tgt Ion:128 Resp: 97728

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.7 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 4.683 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.000 min

Lab File: VN071534.D

Acq: 24 Mar 2022 21:34

Tgt Ion:180 Resp: 28929

Ion Ratio Lower Upper

180 100

182 96.8 47.8 143.3

145 30.7 15.5 46.5

