

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030722\
 Data File : VN071180.D
 Acq On : 07 Mar 2022 16:54
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 08 05:04:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 04:45:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.087	168	799645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1302993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1157421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	391644	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	493809	45.058	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.120%
35) Dibromofluoromethane	8.022	113	382373	46.504	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.000%
50) Toluene-d8	10.439	98	1605398	48.493	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.980%
62) 4-Bromofluorobenzene	12.727	95	483005	43.086	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.180%

Target Compounds				Qvalue		
3) Chloromethane	2.305	50	5257	0.412	ug/l #	80
4) Vinyl Chloride	2.440	62	2253	0.210	ug/l #	45
5) Bromomethane	2.863	94	3465	0.772	ug/l #	73
10) Methyl Iodide	4.440	142	6160	0.533	ug/l #	96
12) 1,1-Dichloroethene	4.193	96	1863	0.232	ug/l #	75
13) Acrolein	4.040	56	2308	1.013	ug/l #	26
15) Acrylonitrile	5.557	53	9455	1.479	ug/l	99
16) Acetone	4.316	43	10742	2.014	ug/l #	80
17) Carbon Disulfide	4.528	76	22374	0.980	ug/l #	93
18) Methyl Acetate	4.881	43	8443	1.054	ug/l #	80
20) Methylene Chloride	5.099	84	2465	0.633	ug/l #	67
21) trans-1,2-Dichloroethene	5.599	96	3826	0.436	ug/l #	91
23) Vinyl Acetate	6.428	43	9092	0.313	ug/l #	85
25) 2-Butanone	7.345	43	13397	1.560	ug/l	92
27) cis-1,2-Dichloroethene	7.328	96	2517	0.242	ug/l	84
28) Bromochloromethane	7.651	49	1788	0.221	ug/l #	97
29) Tetrahydrofuran	7.687	42	6901	1.160	ug/l #	73
31) Cyclohexane	8.081	56	19247	1.100	ug/l #	20
36) 1,1-Dichloropropene	8.222	75	4182	0.317	ug/l	94
37) Ethyl Acetate	7.416	43	4265	0.235	ug/l #	85
38) Carbon Tetrachloride	8.087	117	79058	6.204	ug/l #	17
41) Methacrylonitrile	7.634	41	2816	0.317	ug/l #	84
42) 1,2-Dichloroethane	8.528	62	4115	0.298	ug/l	79
44) Trichloroethene	9.210	130	3908	0.417	ug/l	88
46) Dibromomethane	9.575	93	2214	0.338	ug/l	91
48) Methyl methacrylate	9.557	41	3942	0.314	ug/l #	78
49) 1,4-Dioxane	9.575	88	2213	10.133	ug/l #	71
51) 4-Methyl-2-Pentanone	10.328	43	29327	1.743	ug/l	99
52) Toluene	10.510	92	6178	0.253	ug/l	91
53) t-1,3-Dichloropropene	10.716	75	3618	0.248	ug/l	91
55) 1,1,2-Trichloroethane	10.898	97	2173	0.222	ug/l #	83
56) Ethyl methacrylate	10.757	69	6044	0.378	ug/l #	85
57) 1,3-Dichloropropane	11.045	76	4044	0.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.057	63	1070	28.148	ug/l #	45
59) 2-Hexanone	11.086	43	61753	5.379	ug/l	99
61) 1,2-Dibromoethane	11.345	107	2582	0.258	ug/l	99

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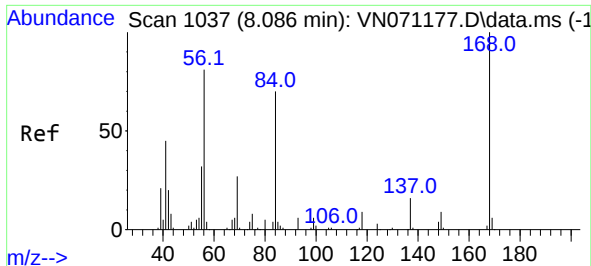
Quant Time: Mar 08 05:04:50 2022
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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) Tetrachloroethene	10.975	164	3197	0.396	ug/l #	89
65) Chlorobenzene	11.769	112	12085	0.486	ug/l	97
67) Ethyl Benzene	11.845	91	17282	0.393	ug/l	98
68) m/p-Xylenes	11.957	106	13148	0.818	ug/l	98
69) o-Xylene	12.280	106	5348	0.332	ug/l	89
70) Styrene	12.298	104	13438	0.539	ug/l	92
71) Bromoform	12.457	173	2917	0.421	ug/l #	97
73) Isopropylbenzene	12.575	105	13649	0.362	ug/l	96
74) N-amyl acetate	12.392	43	34236	2.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.822	83	9182	Below Cal		94
76) 1,2,3-Trichloropropane	12.880	75	12951	Below Cal	#	1
77) Bromobenzene	12.863	156	7724	0.877	ug/l	74
78) n-propylbenzene	12.922	91	30149	0.744	ug/l	99
79) 2-Chlorotoluene	13.010	91	16010	0.616	ug/l	91
80) 1,3,5-Trimethylbenzene	13.057	105	14136	0.481	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.727	75	244069	67.367	ug/l #	5
82) 4-Chlorotoluene	13.104	91	26430	1.141	ug/l	97
83) tert-Butylbenzene	13.322	119	10463	0.399	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	21338	0.758	ug/l	94
85) sec-Butylbenzene	13.498	105	20684	0.594	ug/l	96
86) p-Isopropyltoluene	13.616	119	23410	0.854	ug/l	95
87) 1,3-Dichlorobenzene	13.610	146	21504	1.503	ug/l	92
88) 1,4-Dichlorobenzene	13.692	146	29200	2.088	ug/l	91
89) n-Butylbenzene	13.939	91	48228	2.250	ug/l	96
90) Hexachloroethane	14.204	117	1255	0.230	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	23641	1.719	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	5561	2.532	ug/l	94
93) 1,2,4-Trichlorobenzene	15.263	180	44505	9.509	ug/l	96
94) Hexachlorobutadiene	15.368	225	6771	1.754	ug/l	97
95) Naphthalene	15.504	128	191372	14.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	53428	10.946	ug/l	99

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

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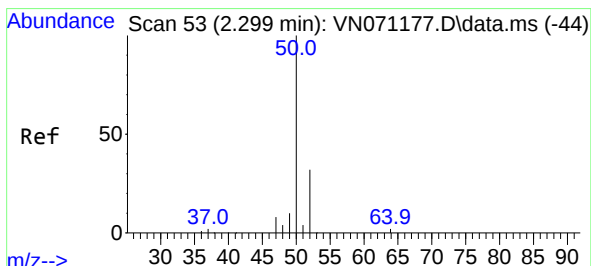
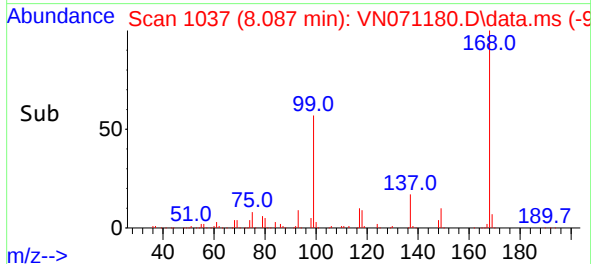
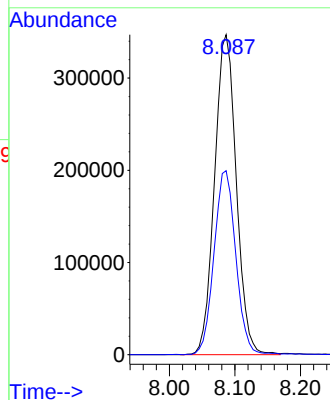
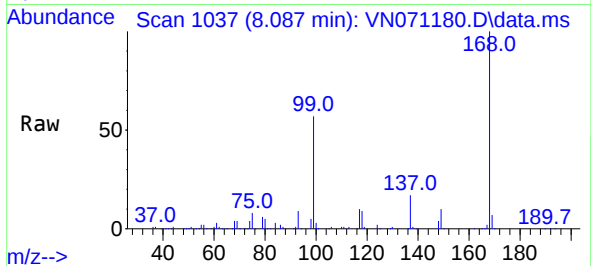




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

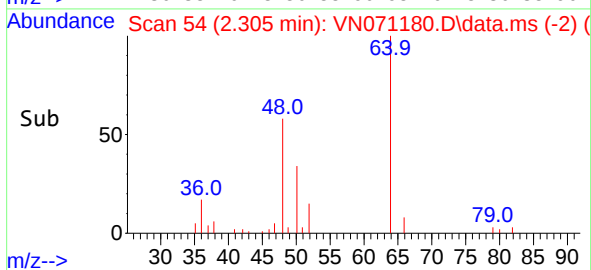
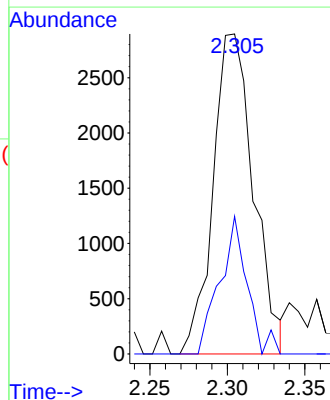
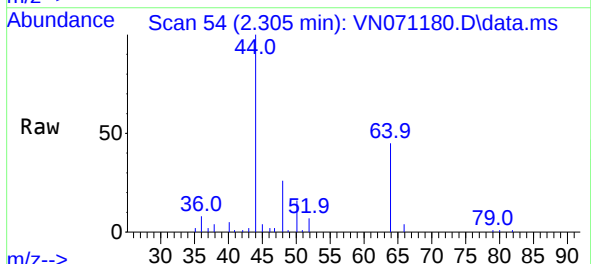
Instrument :
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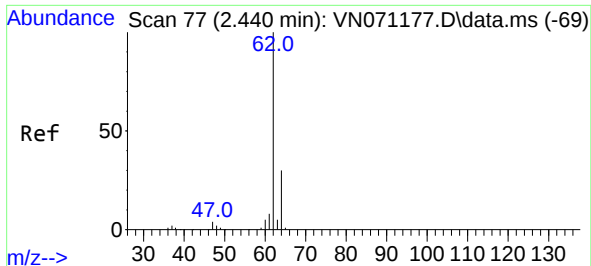
Tgt Ion:168 Resp: 799645
Ion Ratio Lower Upper
168 100
99 57.4 41.3 61.9



#3
Chloromethane
Concen: 0.412 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 50 Resp: 5257
Ion Ratio Lower Upper
50 100
52 43.0 25.4 38.0#

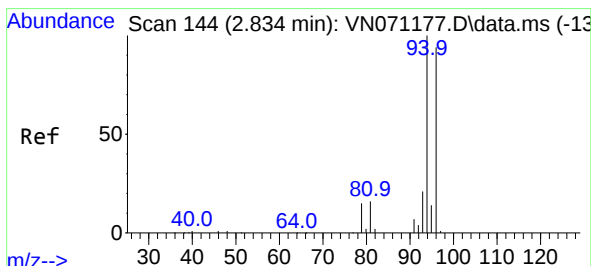
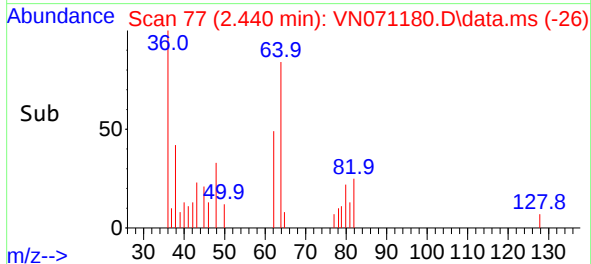
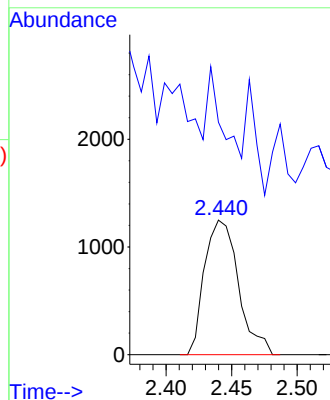
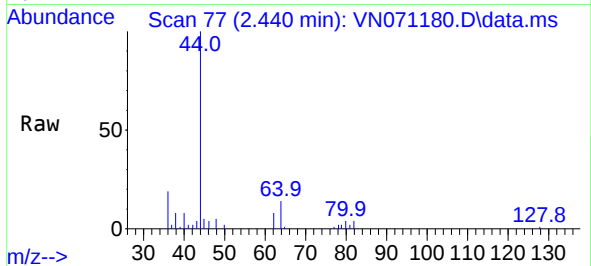




#4
 Vinyl Chloride
 Concen: 0.210 ug/l
 RT: 2.440 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VN071180.D
 Acq: 07 Mar 2022 16:54

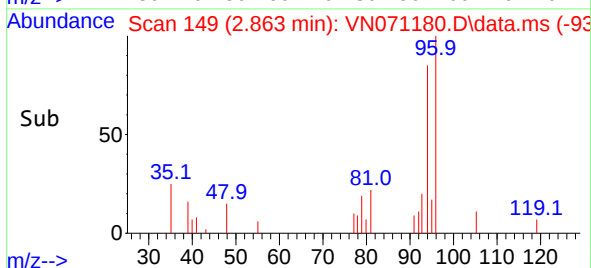
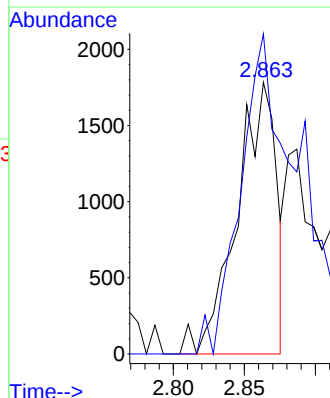
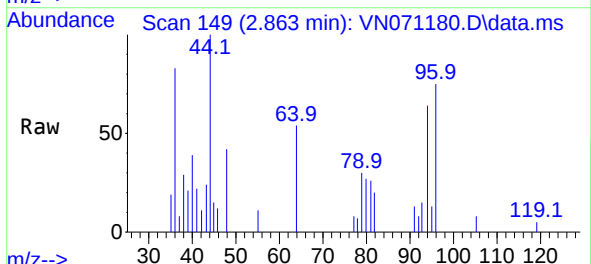
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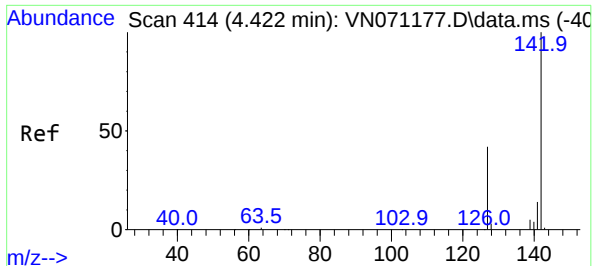
Tgt Ion: 62 Resp: 2253
 Ion Ratio Lower Upper
 62 100
 64 1.3 25.8 38.6#



#5
 Bromomethane
 Concen: 0.772 ug/l
 RT: 2.863 min Scan# 149
 Delta R.T. 0.029 min
 Lab File: VN071180.D
 Acq: 07 Mar 2022 16:54

Tgt Ion: 94 Resp: 3465
 Ion Ratio Lower Upper
 94 100
 96 117.8 73.8 110.8#



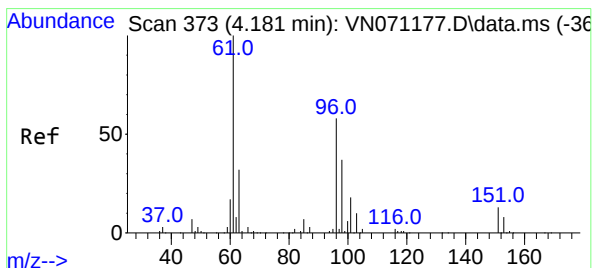
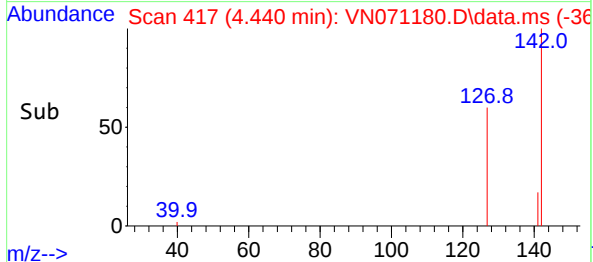
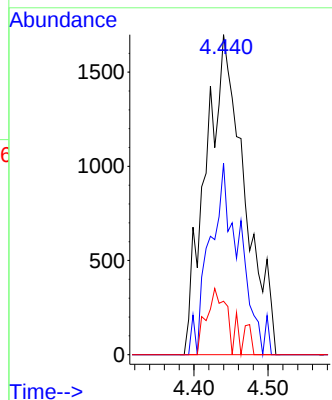
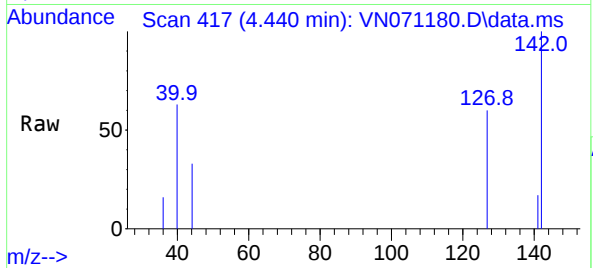


#10
Methyl Iodide
Concen: 0.533 ug/l
RT: 4.440 min Scan# 414
Delta R.T. 0.018 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:142 Resp: 6160

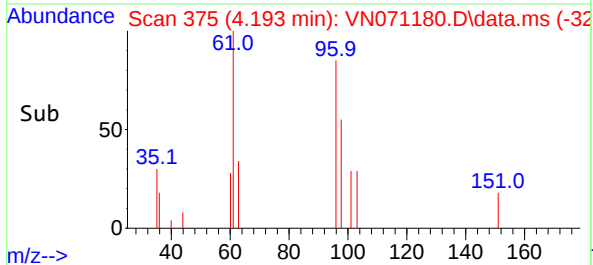
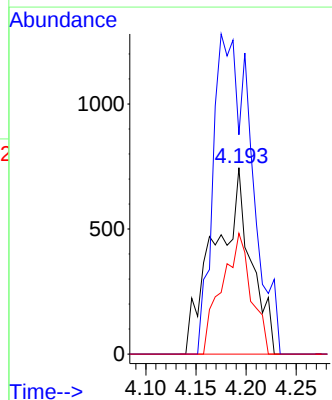
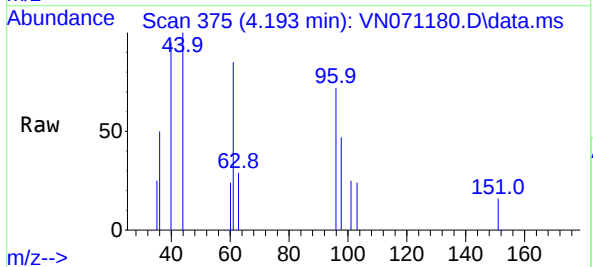
Ion	Ratio	Lower	Upper
142	100		
127	45.1	35.4	53.0
141	10.3	11.6	17.4

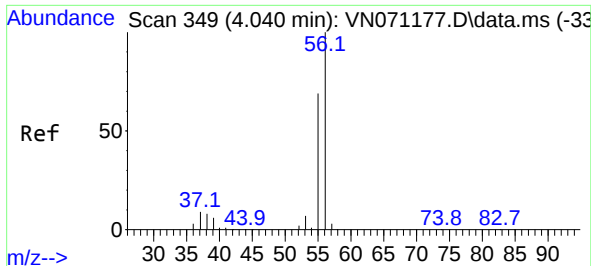


#12
1,1-Dichloroethene
Concen: 0.232 ug/l
RT: 4.193 min Scan# 375
Delta R.T. 0.012 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 96 Resp: 1863

Ion	Ratio	Lower	Upper
96	100		
61	117.7	131.0	196.6
98	64.8	52.4	78.6

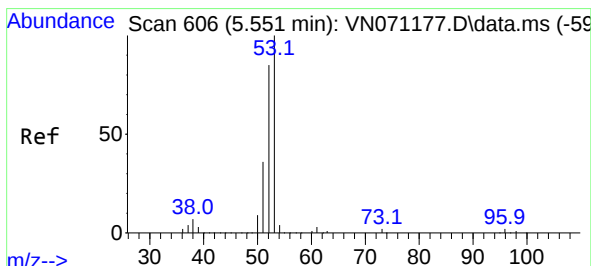
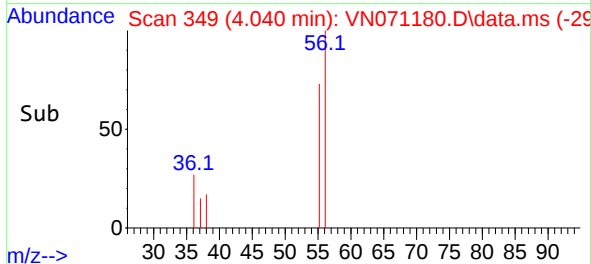
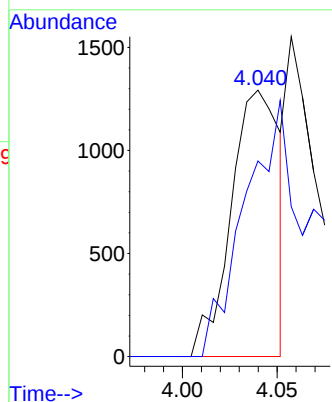
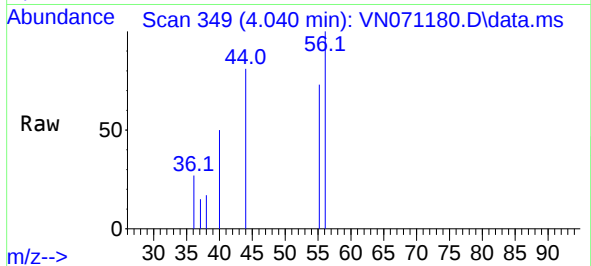




#13
Acrolein
Concen: 1.013 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

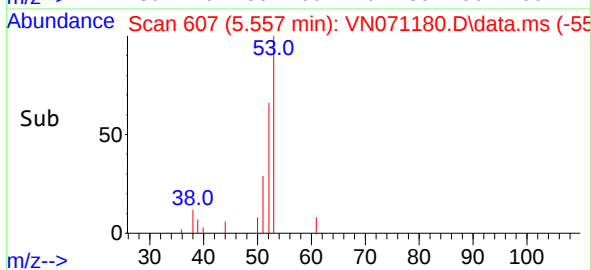
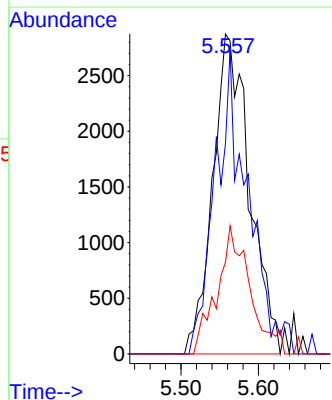
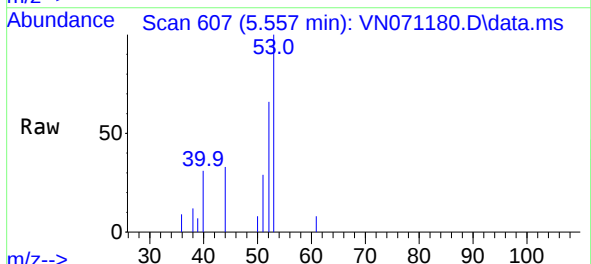
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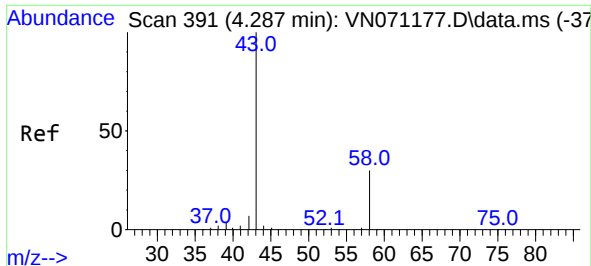
Tgt Ion: 56 Resp: 2308
Ion Ratio Lower Upper
56 100
55 131.6 56.6 85.0#



#15
Acrylonitrile
Concen: 1.479 ug/l
RT: 5.557 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 53 Resp: 9455
Ion Ratio Lower Upper
53 100
52 82.4 66.2 99.2
51 35.8 29.6 44.4

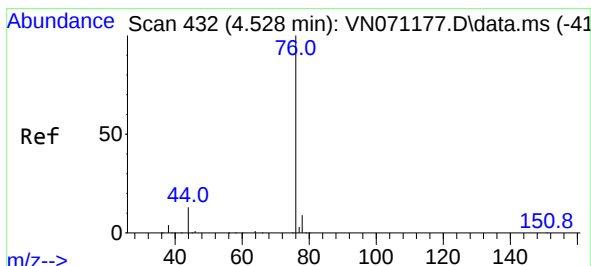
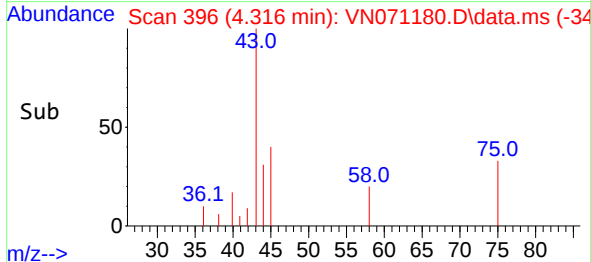
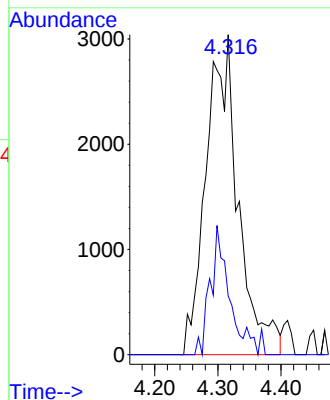
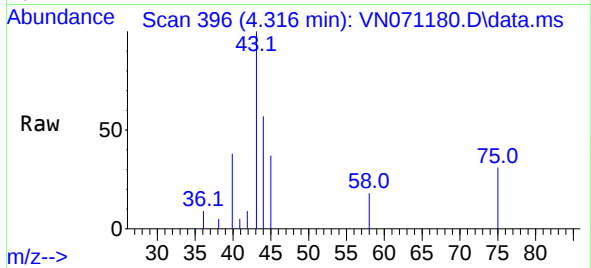




#16
Acetone
Concen: 2.014 ug/l
RT: 4.316 min Scan# 391
Delta R.T. 0.030 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

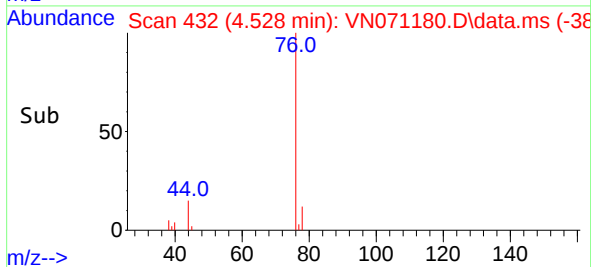
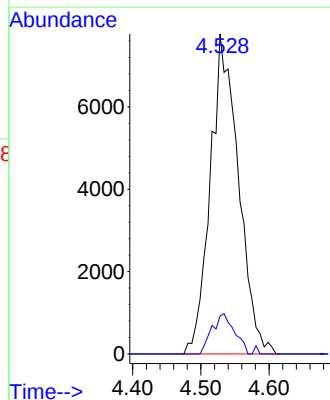
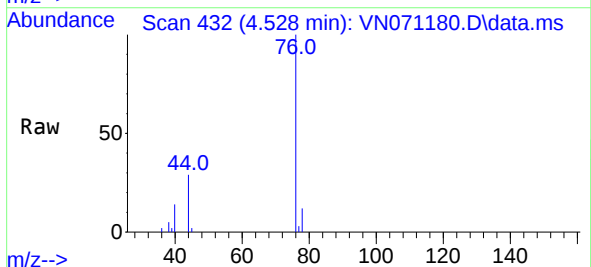
Instrument :
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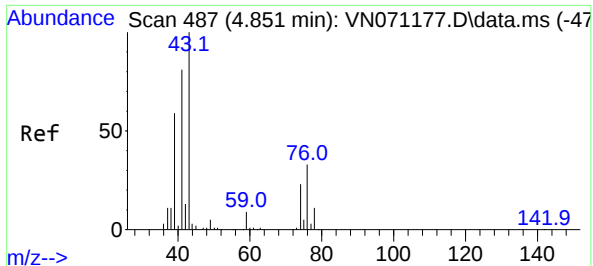
Tgt Ion: 43 Resp: 10742
Ion Ratio Lower Upper
43 100
58 18.3 23.1 34.7#



#17
Carbon Disulfide
Concen: 0.980 ug/l
RT: 4.528 min Scan# 432
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 76 Resp: 22374
Ion Ratio Lower Upper
76 100
78 11.8 7.5 11.3#

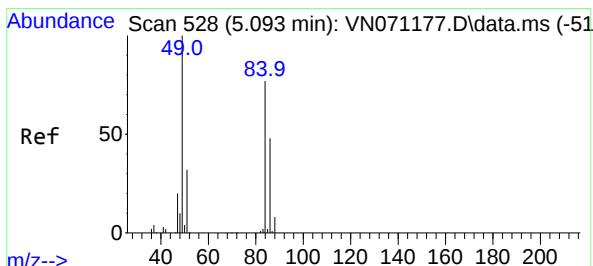
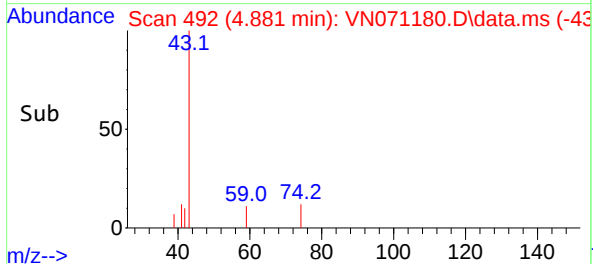
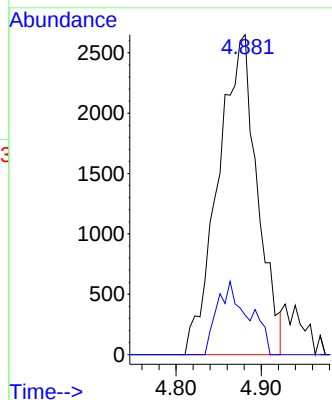
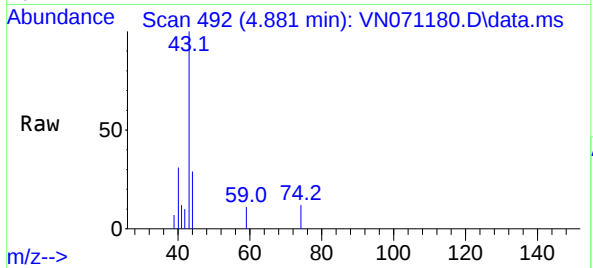




#18
Methyl Acetate
Concen: 1.054 ug/l
RT: 4.881 min Scan# 492
Delta R.T. 0.030 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

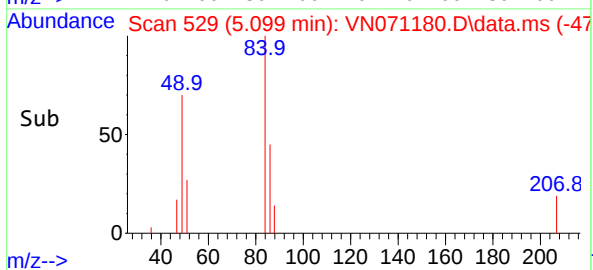
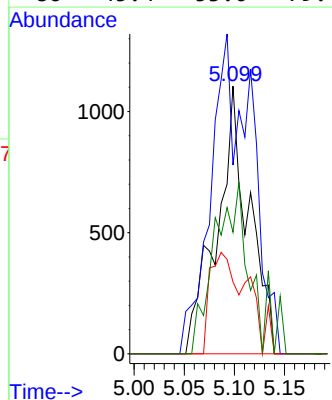
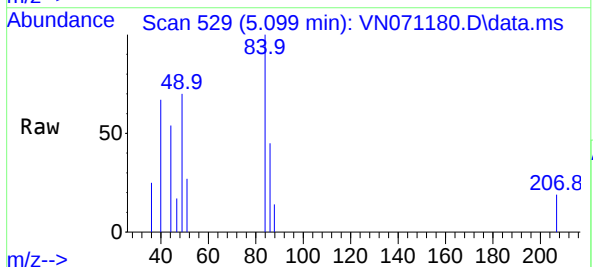
Instrument :
MSVOA_N
ClientSampleId :
IBLK

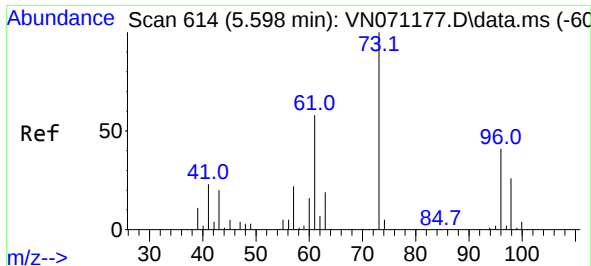
Tgt Ion: 43 Resp: 8443
Ion Ratio Lower Upper
43 100
74 14.6 19.4 29.2#



#20
Methylene Chloride
Concen: 0.633 ug/l
RT: 5.099 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 84 Resp: 2465
Ion Ratio Lower Upper
84 100
49 70.5 93.5 140.3#
51 26.9 29.4 44.2#
86 45.4 53.0 79.4#





#21

trans-1,2-Dichloroethene

Concen: 0.436 ug/l

RT: 5.599 min Scan# 614

Delta R.T. 0.000 min

Lab File: VN071180.D

Acq: 07 Mar 2022 16:54

Instrument :

MSVOA_N

ClientSampleId :

IBLK

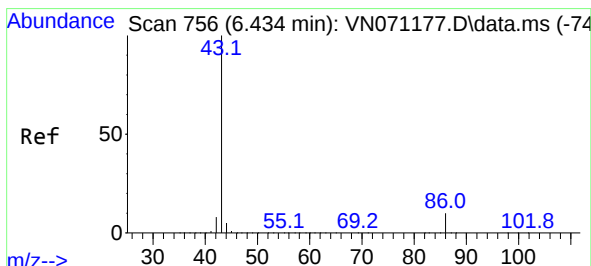
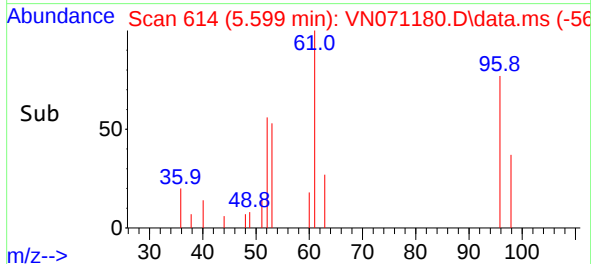
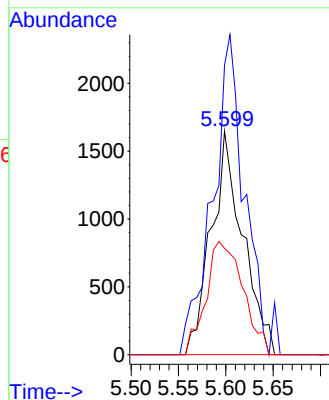
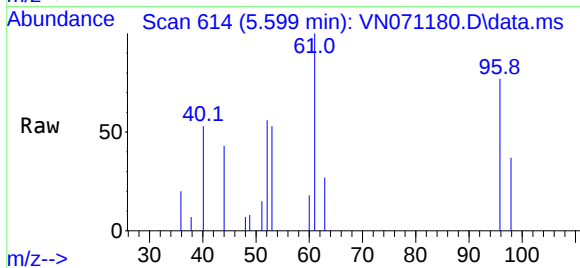
Tgt Ion: 96 Resp: 3826

Ion Ratio Lower Upper

96 100

61 129.4 105.8 158.6

98 47.6 52.0 78.0#



#23

Vinyl Acetate

Concen: 0.313 ug/l

RT: 6.428 min Scan# 755

Delta R.T. -0.006 min

Lab File: VN071180.D

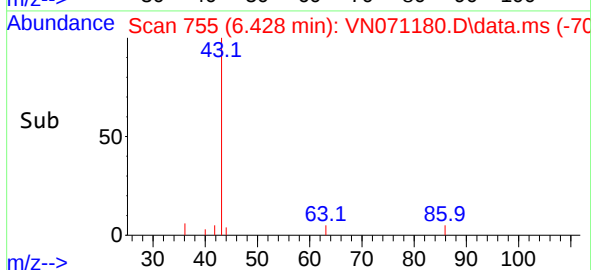
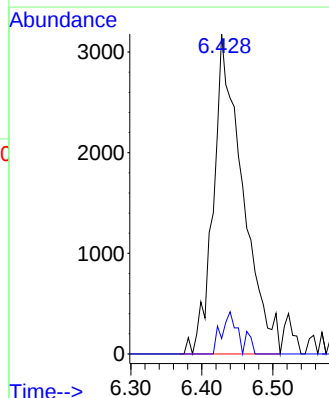
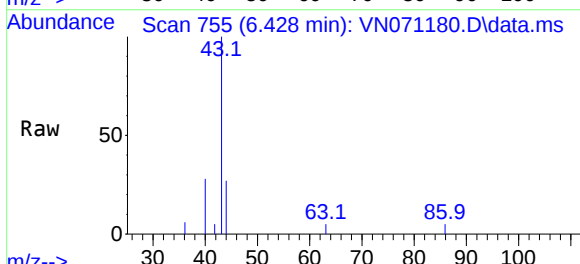
Acq: 07 Mar 2022 16:54

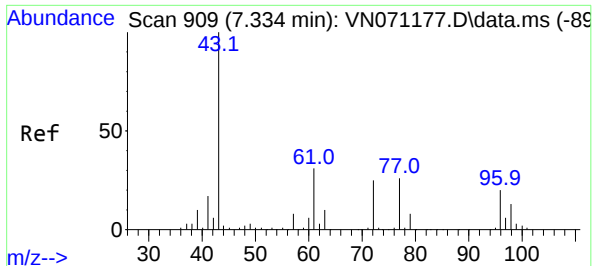
Tgt Ion: 43 Resp: 9092

Ion Ratio Lower Upper

43 100

86 4.8 8.5 12.7#





#25

2-Butanone

Concen: 1.560 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.012 min

Lab File: VN071180.D

Acq: 07 Mar 2022 16:54

Instrument :

MSVOA_N

ClientSampleId :

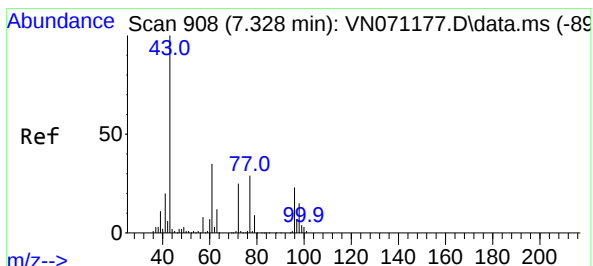
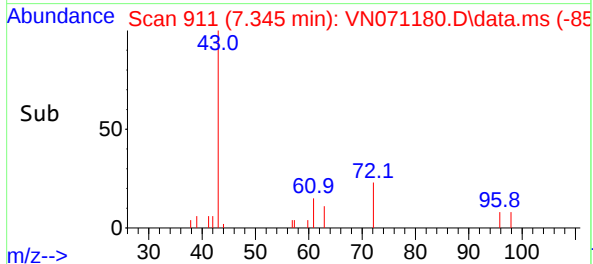
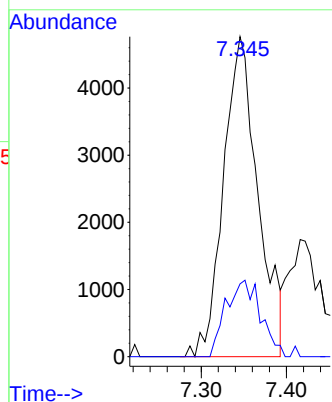
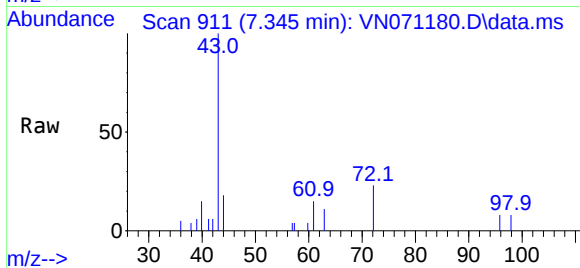
IBLK

Tgt Ion: 43 Resp: 13397

Ion Ratio Lower Upper

43 100

72 22.8 21.7 32.5



#27

cis-1,2-Dichloroethene

Concen: 0.242 ug/l

RT: 7.328 min Scan# 908

Delta R.T. 0.000 min

Lab File: VN071180.D

Acq: 07 Mar 2022 16:54

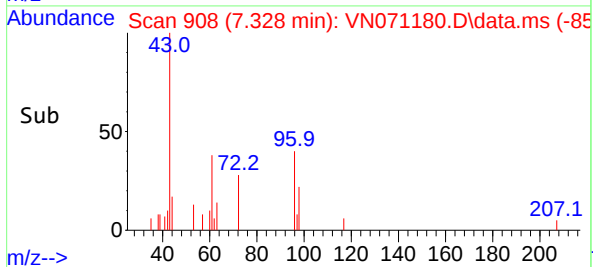
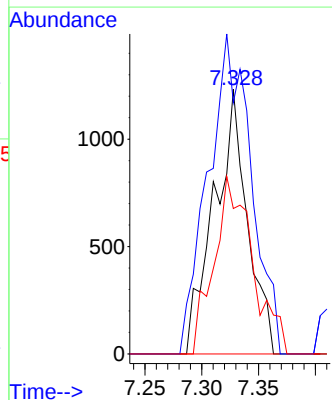
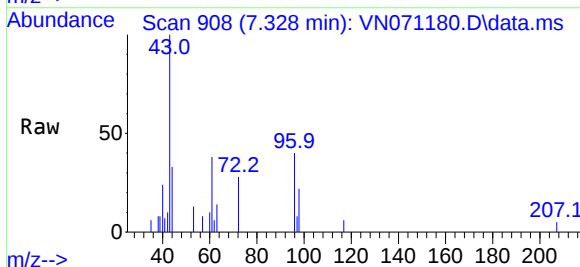
Tgt Ion: 96 Resp: 2517

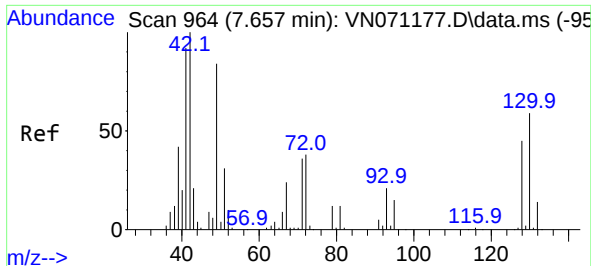
Ion Ratio Lower Upper

96 100

61 156.3 0.0 275.0

98 77.5 0.0 129.6

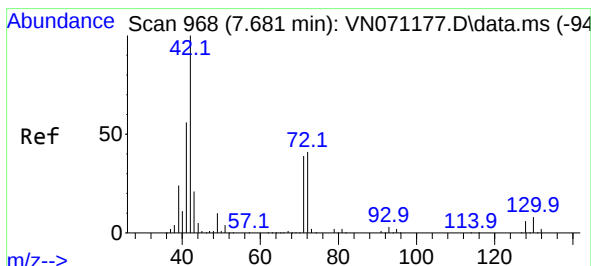
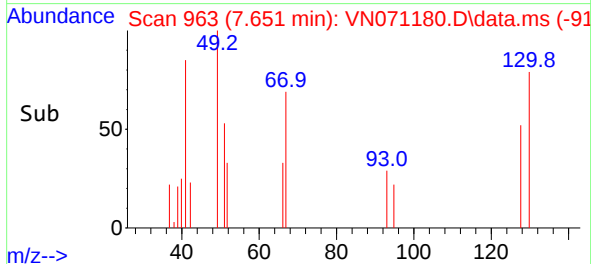
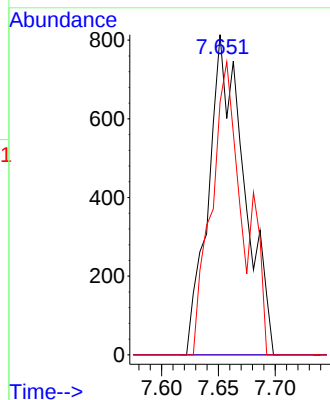
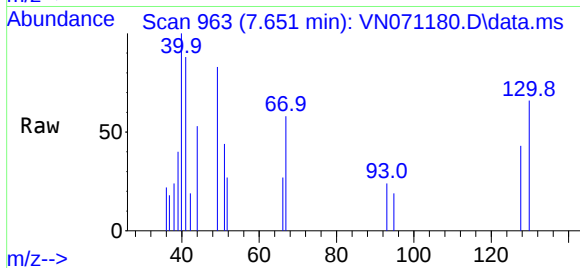




#28
Bromochloromethane
Concen: 0.221 ug/l
RT: 7.651 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

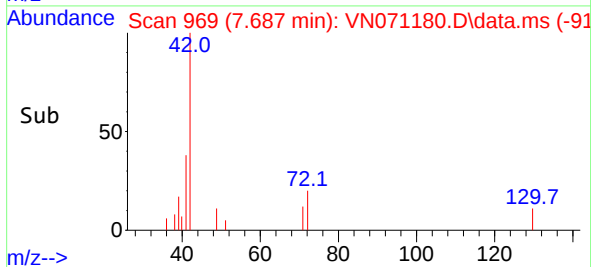
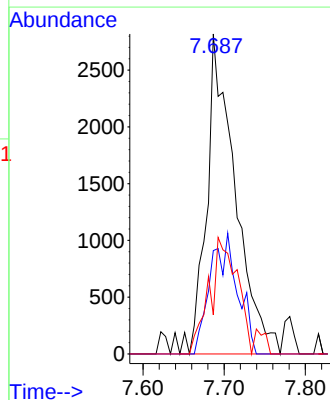
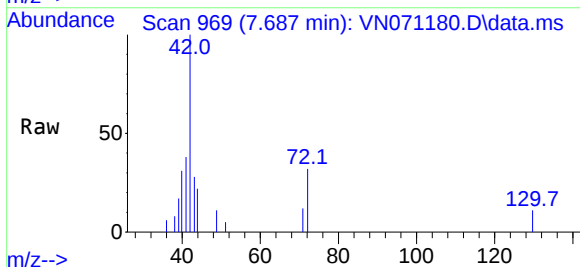
Instrument :
MSVOA_N
ClientSampleId :
IBLK

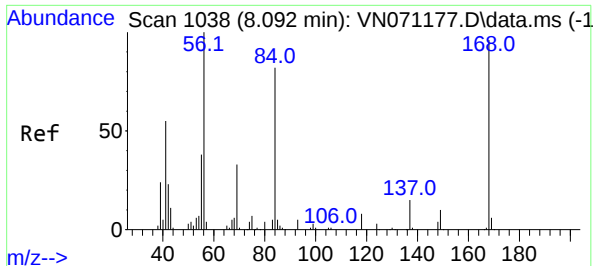
Tgt Ion: 49 Resp: 1788
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 82.0 67.8 101.8



#29
Tetrahydrofuran
Concen: 1.160 ug/l
RT: 7.687 min Scan# 969
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 42 Resp: 6901
Ion Ratio Lower Upper
42 100
72 18.7 36.3 54.5#
71 35.2 34.7 52.1





#31

Cyclohexane

Concen: 1.100 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071180.D

Acq: 07 Mar 2022 16:54

Instrument :

MSVOA_N

ClientSampleId :

IBLK

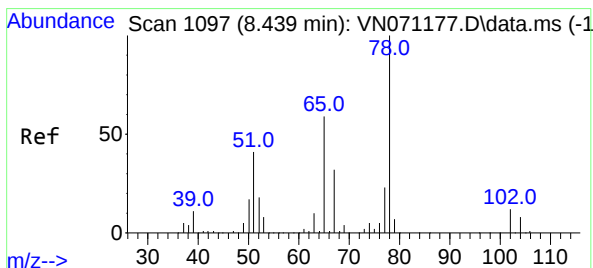
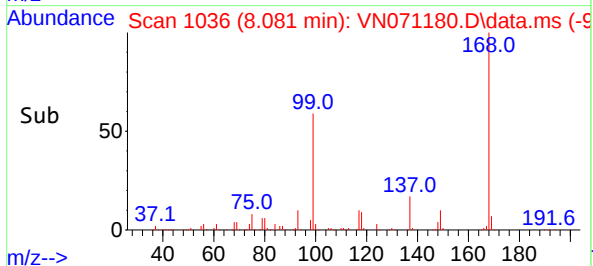
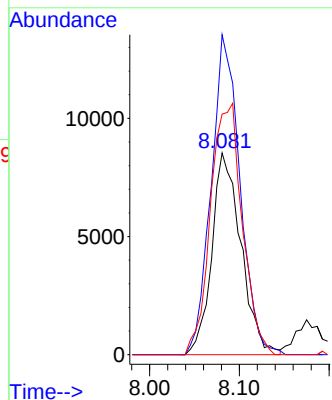
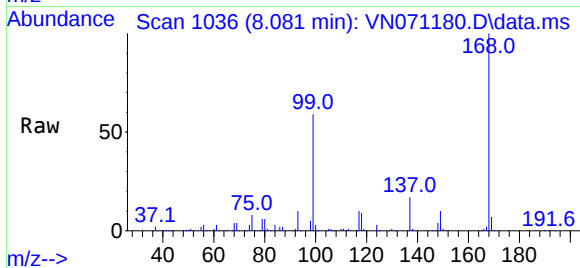
Tgt Ion: 56 Resp: 19247

Ion Ratio Lower Upper

56 100

69 158.6 27.1 40.7#

84 119.3 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 45.058 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071180.D

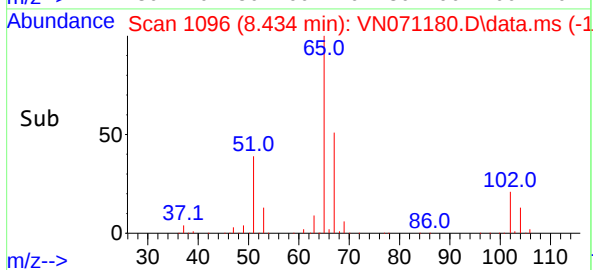
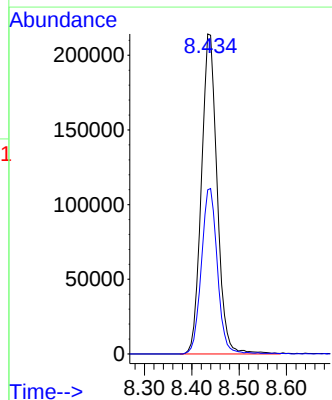
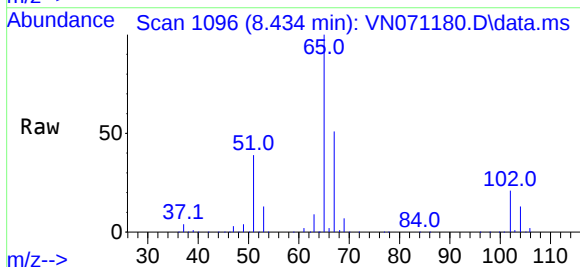
Acq: 07 Mar 2022 16:54

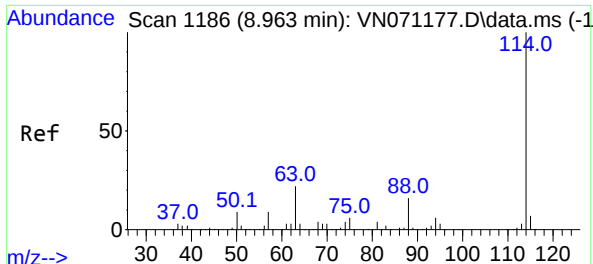
Tgt Ion: 65 Resp: 493809

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.0

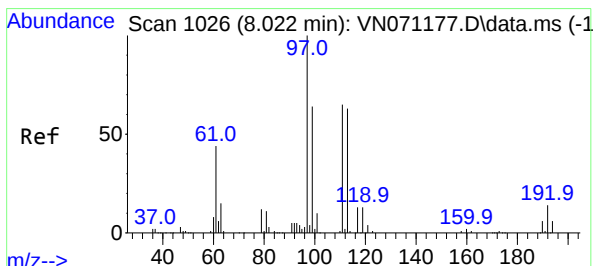
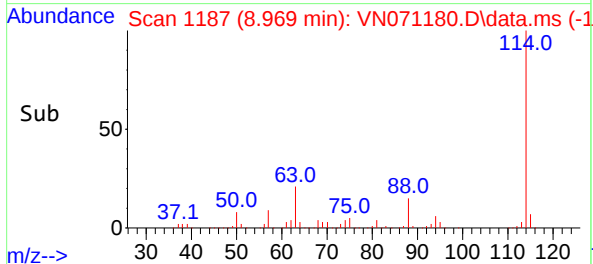
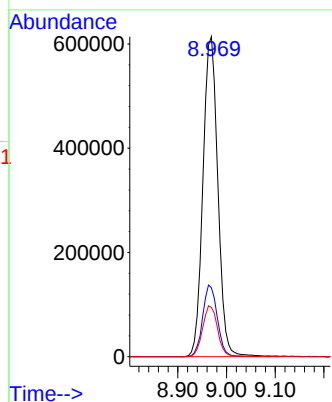
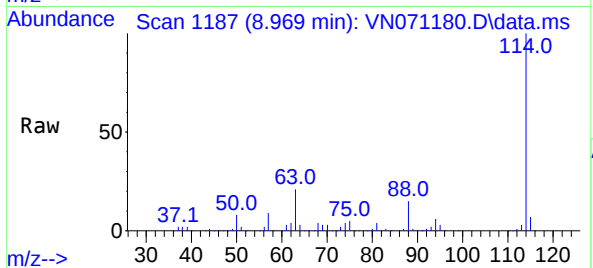




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

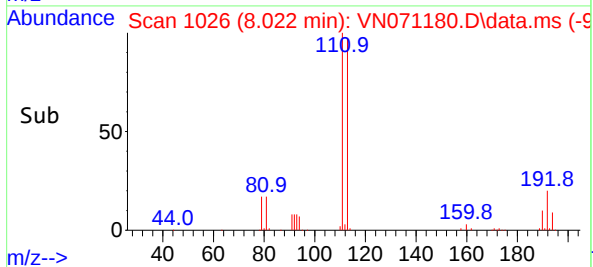
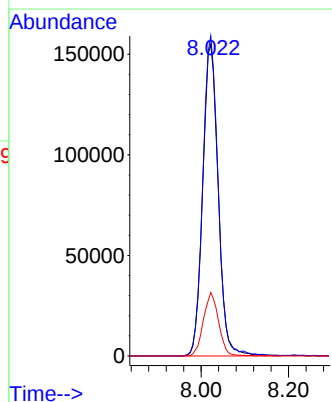
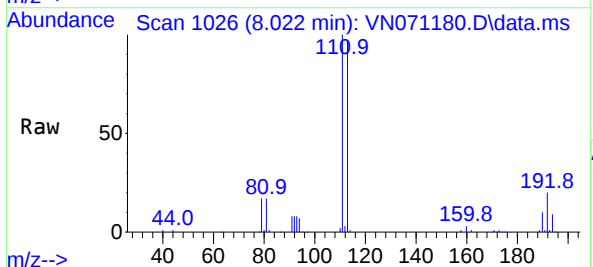
Instrument :
MSVOA_N
ClientSampleId :
IBLK

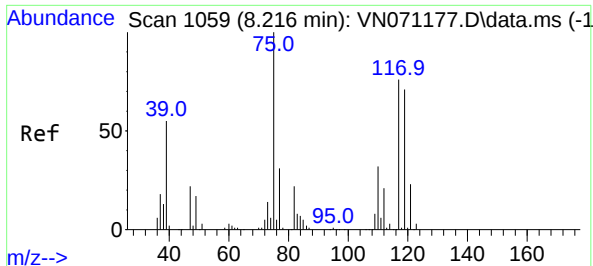
Tgt Ion:114 Resp: 1302993
Ion Ratio Lower Upper
114 100
63 21.5 0.0 37.8
88 15.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.504 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:113 Resp: 382373
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 20.0 16.9 25.3

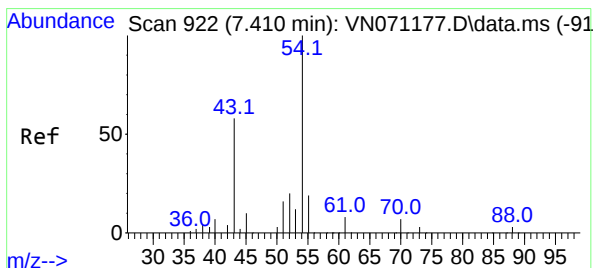
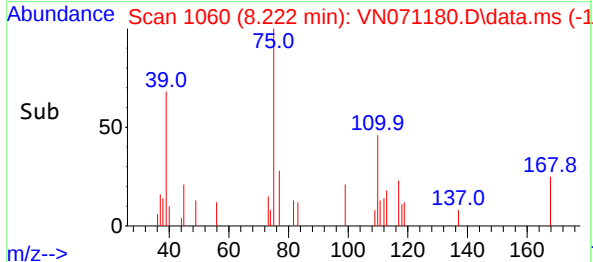
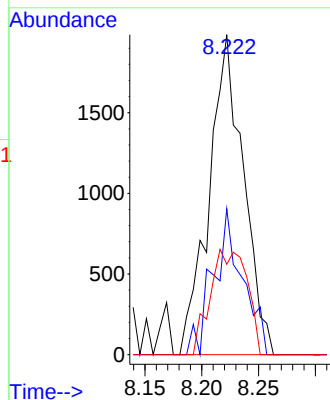
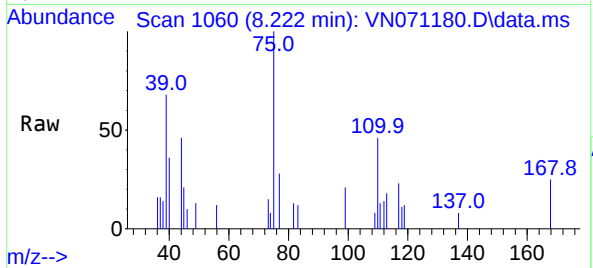




#36
1,1-Dichloropropene
Concen: 0.317 ug/l
RT: 8.222 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

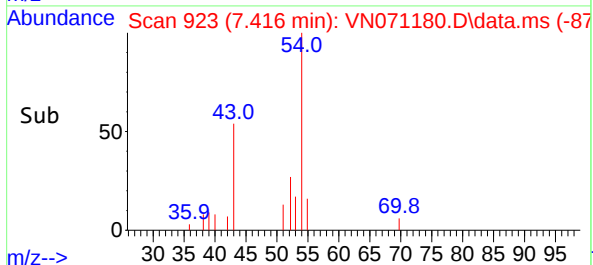
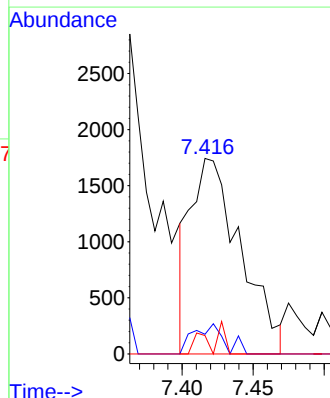
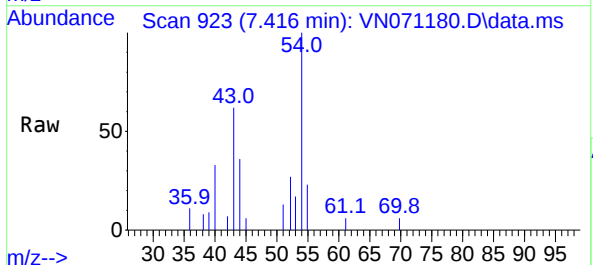
Instrument :
MSVOA_N
ClientSampleId :
IBLK

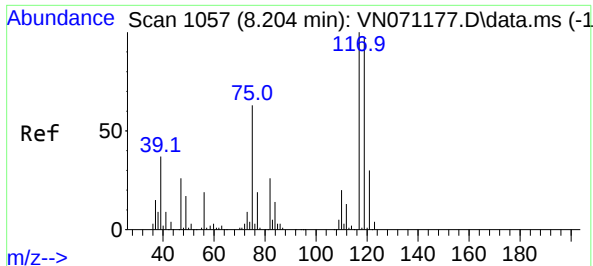
Tgt Ion:	75	Resp:	4182
Ion	Ratio	Lower	Upper
75	100		
110	38.8	18.4	55.2
77	35.1	24.4	36.6



#37
Ethyl Acetate
Concen: 0.235 ug/l
RT: 7.416 min Scan# 923
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:	43	Resp:	4265
Ion	Ratio	Lower	Upper
43	100		
61	9.5	11.5	17.3#
70	2.9	7.9	11.9#

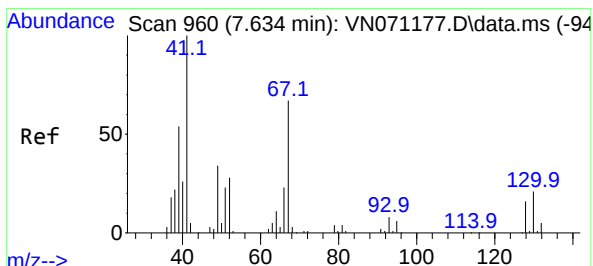
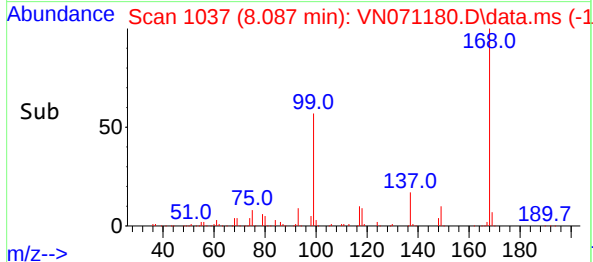
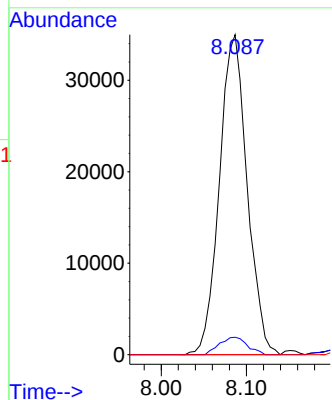
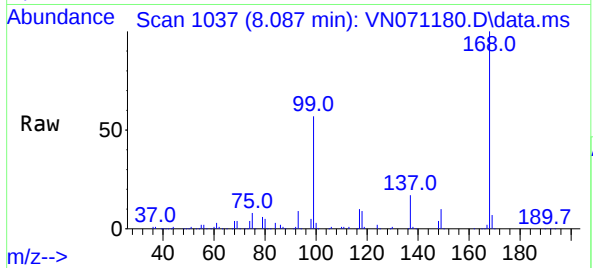




#38
Carbon Tetrachloride
Concen: 6.204 ug/l
RT: 8.087 min Scan# 1057
Delta R.T. -0.117 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

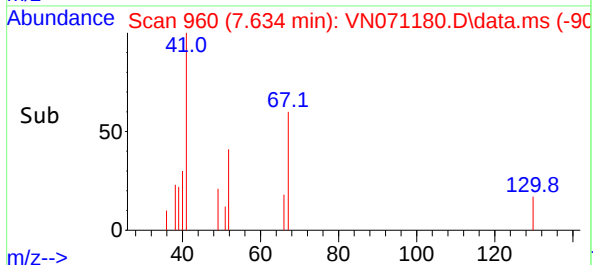
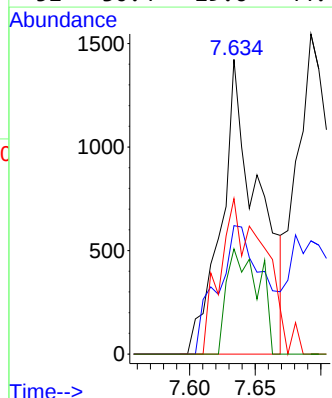
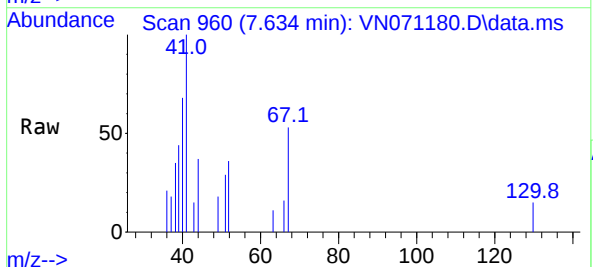
Instrument :
MSVOA_N
ClientSampleId :
IBLK

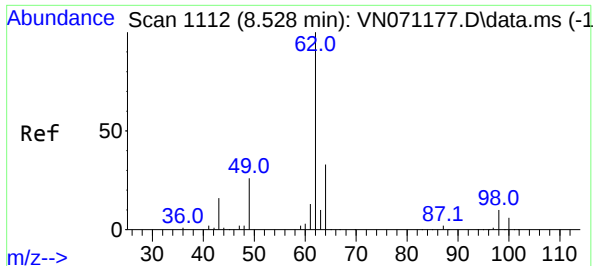
Tgt Ion:117 Resp: 79058
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.317 ug/l
RT: 7.634 min Scan# 960
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 41 Resp: 2816
Ion Ratio Lower Upper
41 100
39 54.7 48.1 72.1
67 62.6 68.3 102.5#
52 30.4 29.6 44.4





#42

1,2-Dichloroethane

Concen: 0.298 ug/l

RT: 8.528 min Scan# 1112

Delta R.T. -0.000 min

Lab File: VN071180.D

Acq: 07 Mar 2022 16:54

Instrument :

MSVOA_N

ClientSampleId :

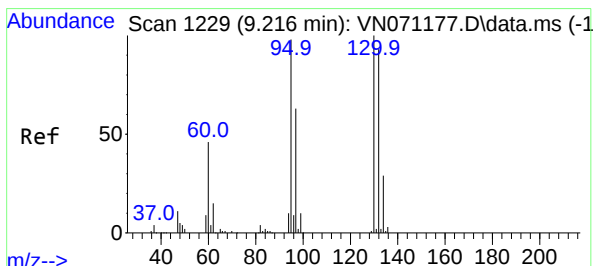
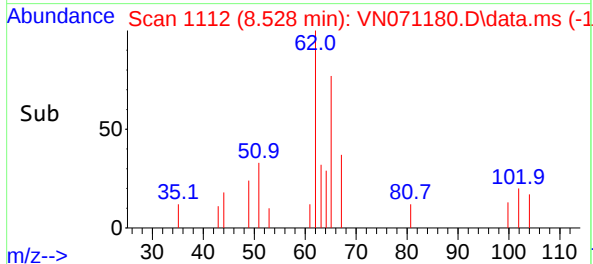
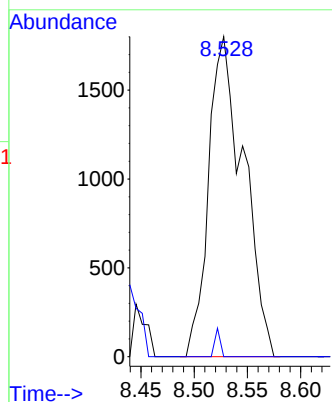
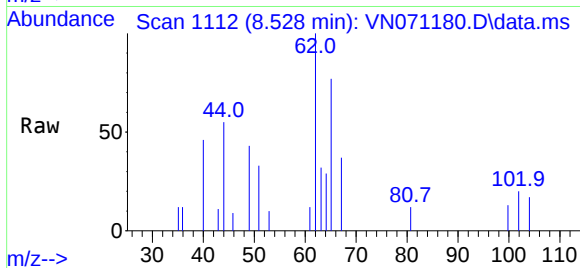
IBLK

Tgt Ion: 62 Resp: 4115

Ion Ratio Lower Upper

62 100

98 1.4 0.0 17.6



#44

Trichloroethene

Concen: 0.417 ug/l

RT: 9.210 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VN071180.D

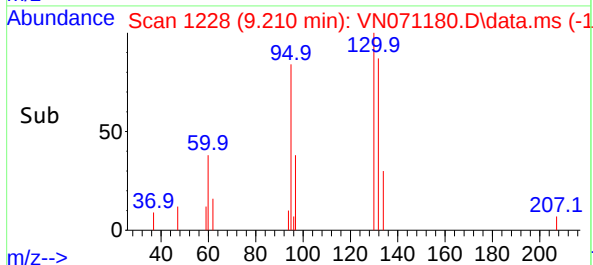
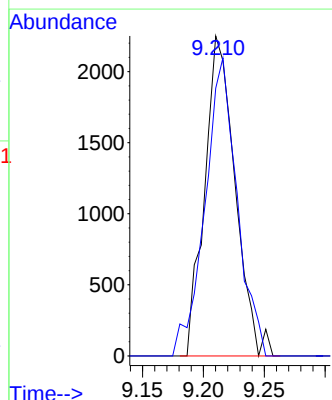
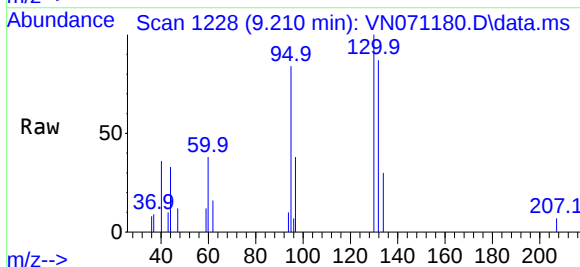
Acq: 07 Mar 2022 16:54

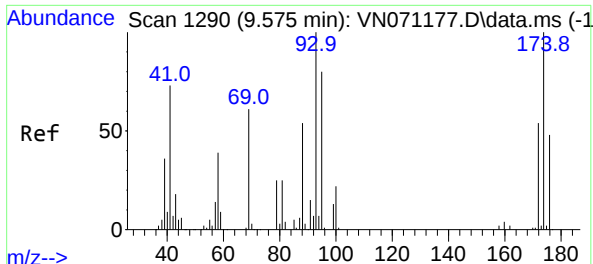
Tgt Ion:130 Resp: 3908

Ion Ratio Lower Upper

130 100

95 83.7 0.0 191.2

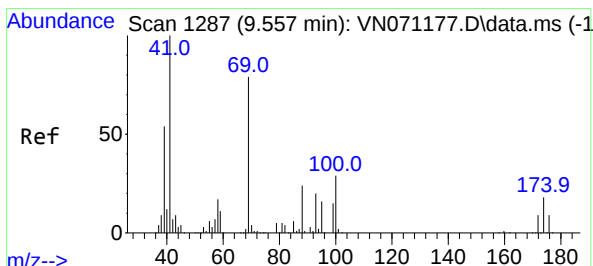
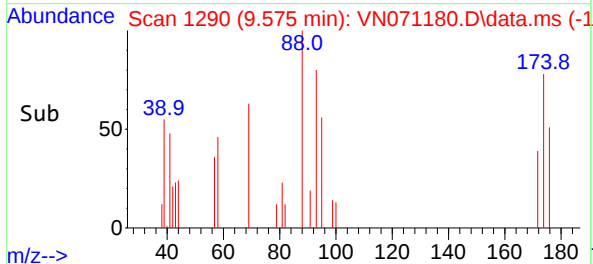
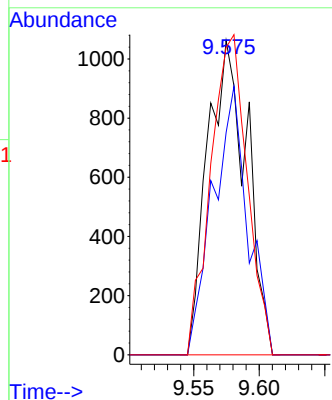
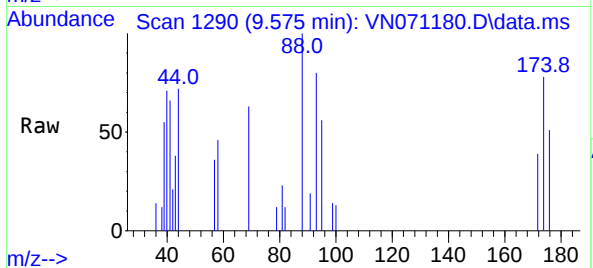




#46
Dibromomethane
Concen: 0.338 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

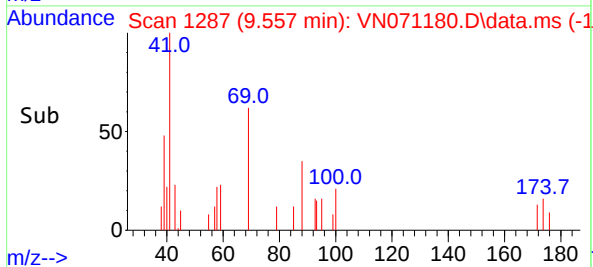
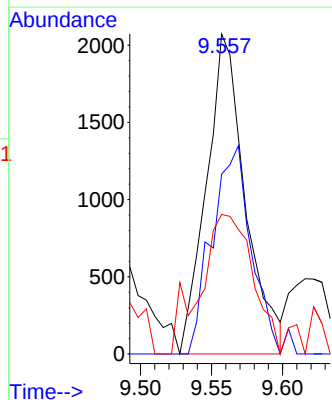
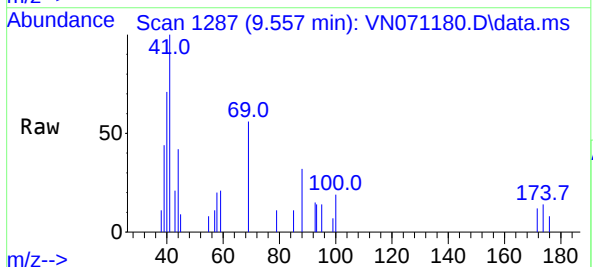
Instrument :
MSVOA_N
ClientSampleId :
IBLK

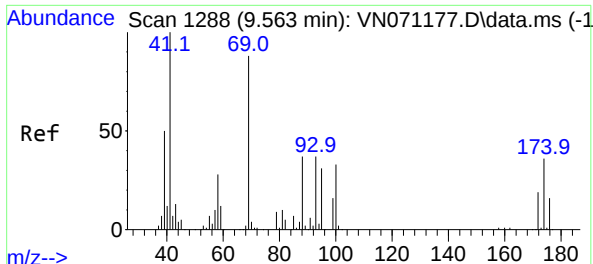
Tgt Ion: 93 Resp: 2214
Ion Ratio Lower Upper
93 100
95 75.5 65.9 98.9
174 94.6 84.6 127.0



#48
Methyl methacrylate
Concen: 0.314 ug/l
RT: 9.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 41 Resp: 3942
Ion Ratio Lower Upper
41 100
69 66.6 72.4 108.6
39 58.7 58.4 87.6

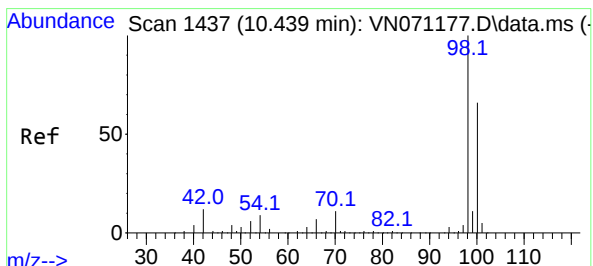
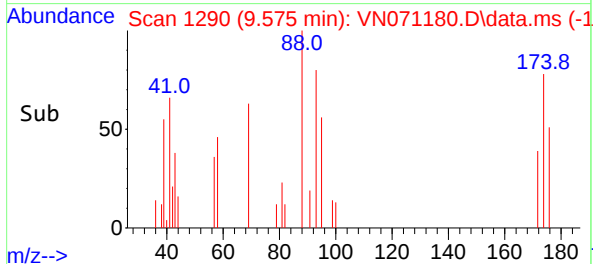
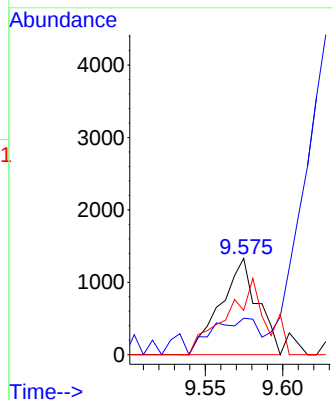
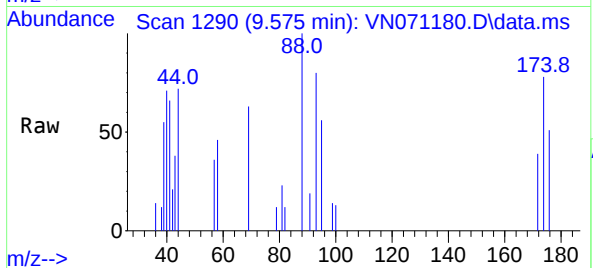




#49
1,4-Dioxane
Concen: 10.133 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. 0.012 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

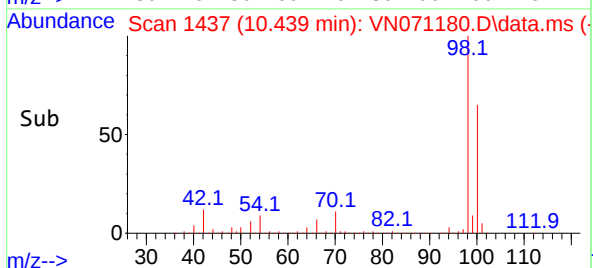
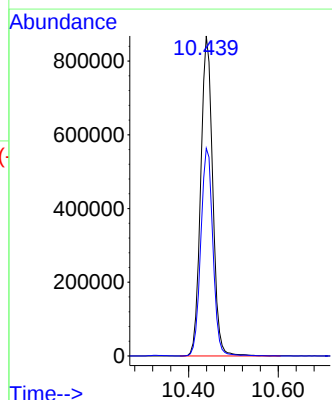
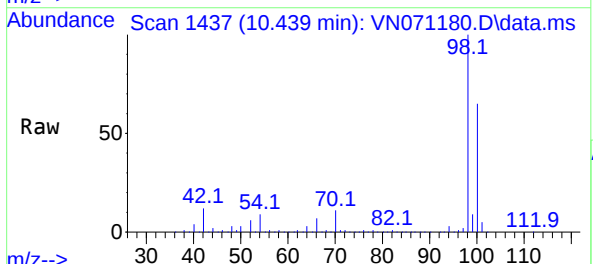
Instrument :
MSVOA_N
ClientSampleId :
IBLK

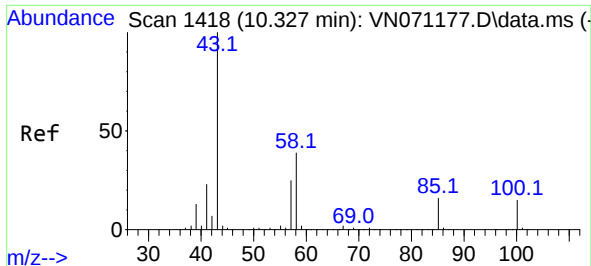
Tgt Ion: 88 Resp: 2213
Ion Ratio Lower Upper
88 100
43 47.4 23.4 35.2#
58 84.4 50.6 75.8#



#50
Toluene-d8
Concen: 48.493 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 98 Resp: 1605398
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6

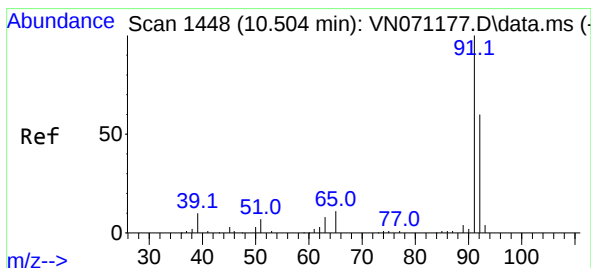
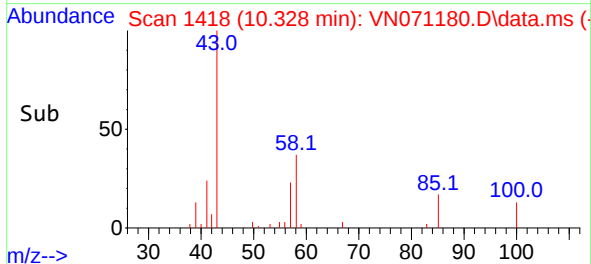
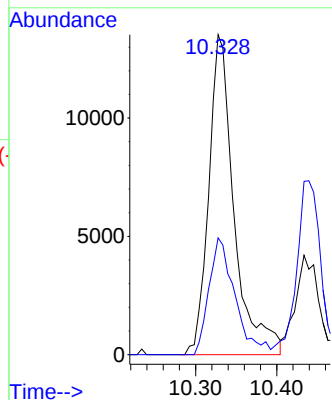
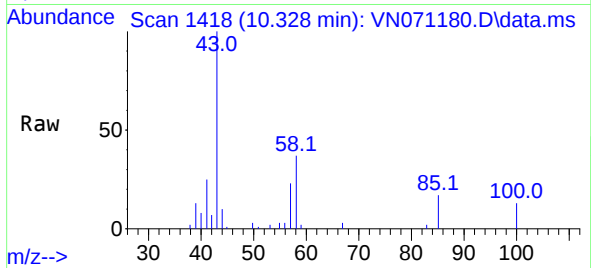




#51
4-Methyl-2-Pentanone
Concen: 1.743 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

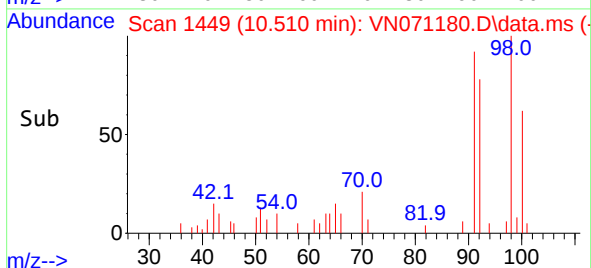
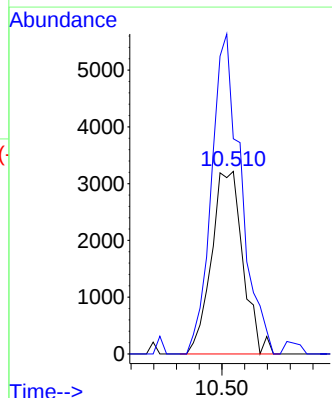
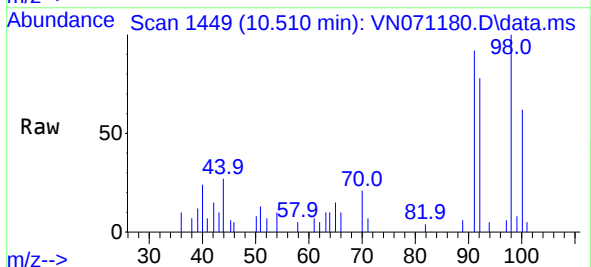
Instrument :
MSVOA_N
ClientSampleId :
IBLK

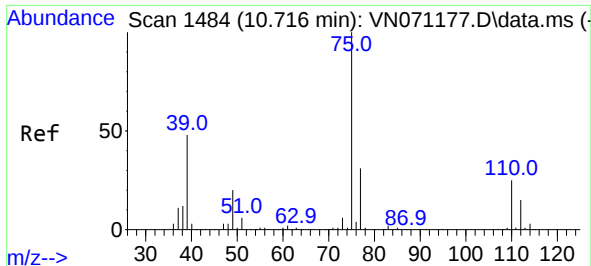
Tgt Ion: 43 Resp: 29327
Ion Ratio Lower Upper
43 100
58 37.4 30.4 45.6



#52
Toluene
Concen: 0.253 ug/l
RT: 10.510 min Scan# 1449
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 92 Resp: 6178
Ion Ratio Lower Upper
92 100
91 164.5 142.0 213.0

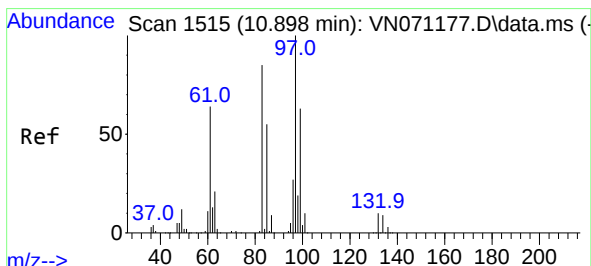
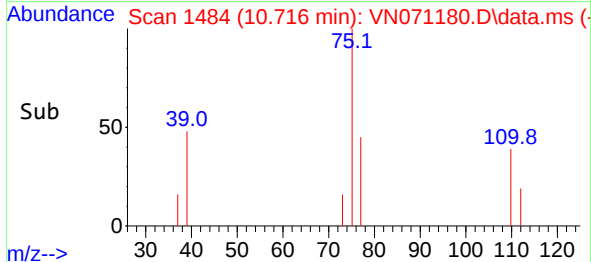
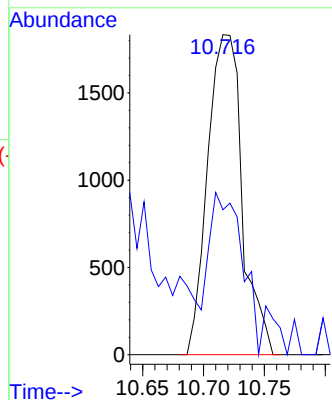
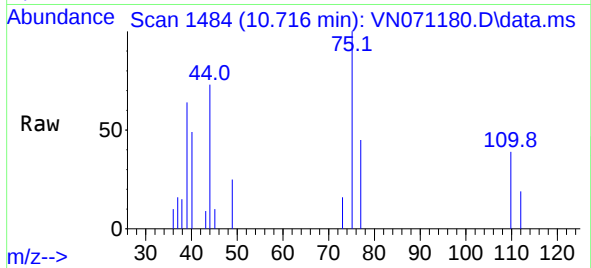




#53
t-1,3-Dichloropropene
Concen: 0.248 ug/l
RT: 10.716 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

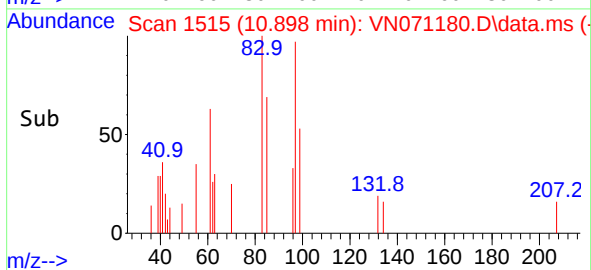
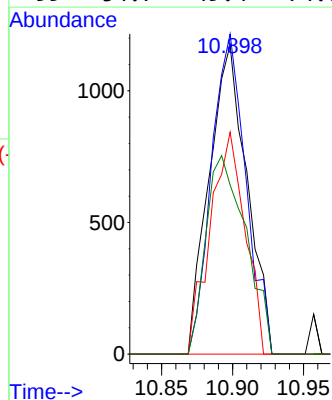
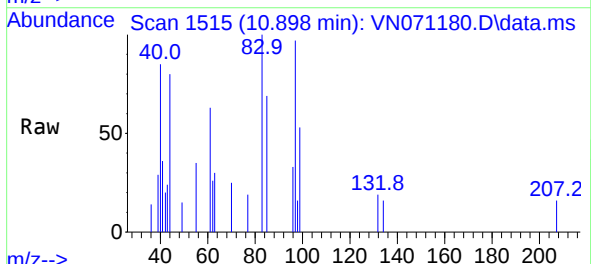
Instrument :
MSVOA_N
ClientSampleId :
IBLK

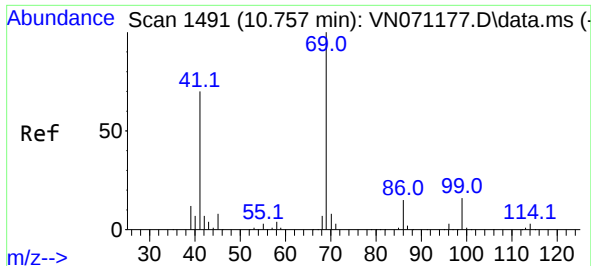
Tgt Ion: 75 Resp: 3618
Ion Ratio Lower Upper
75 100
77 36.9 25.6 38.4



#55
1,1,2-Trichloroethane
Concen: 0.222 ug/l
RT: 10.898 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 97 Resp: 2173
Ion Ratio Lower Upper
97 100
83 103.6 67.8 101.6#
85 71.8 45.4 68.2#
99 54.7 49.4 74.0

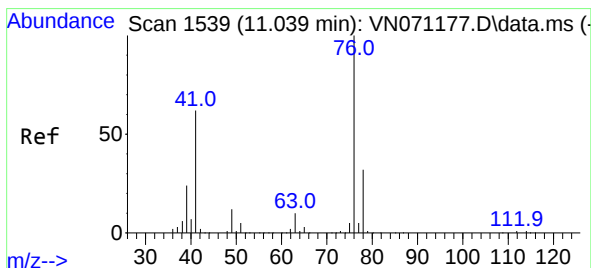
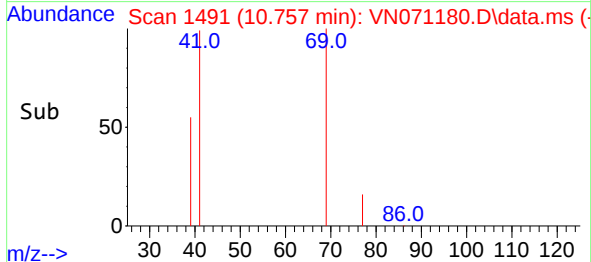
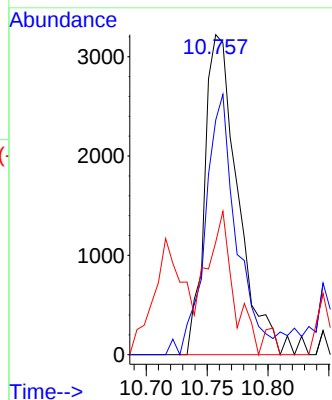
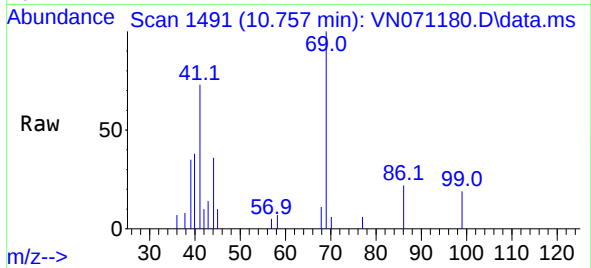




#56
Ethyl methacrylate
Concen: 0.378 ug/l
RT: 10.757 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

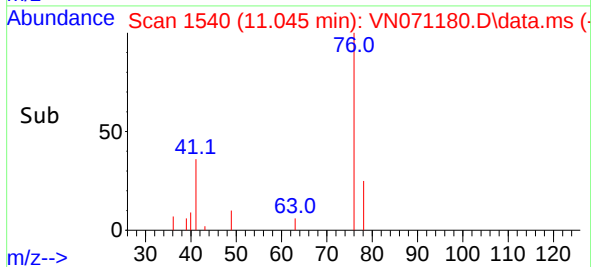
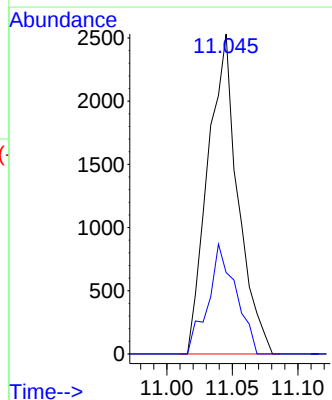
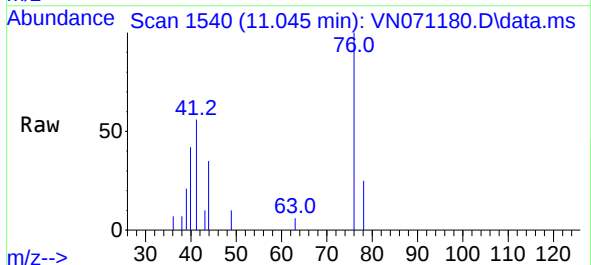
Instrument :
MSVOA_N
ClientSampleId :
IBLK

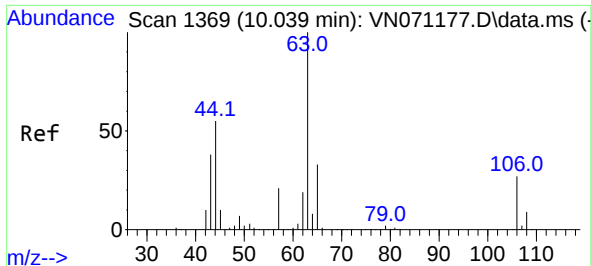
Tgt Ion: 69 Resp: 6044
Ion Ratio Lower Upper
69 100
41 77.6 51.4 77.0#
39 36.4 34.6 52.0



#57
1,3-Dichloropropane
Concen: 0.230 ug/l
RT: 11.045 min Scan# 1540
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 76 Resp: 4044
Ion Ratio Lower Upper
76 100
78 31.6 25.7 38.5

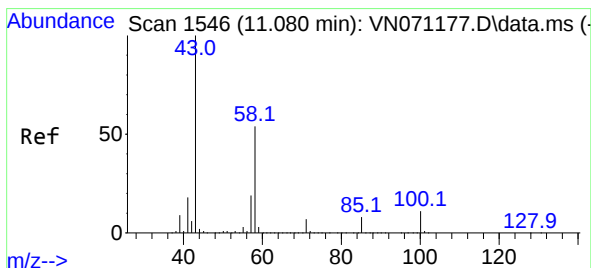
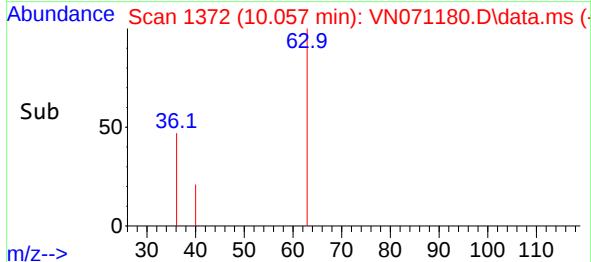
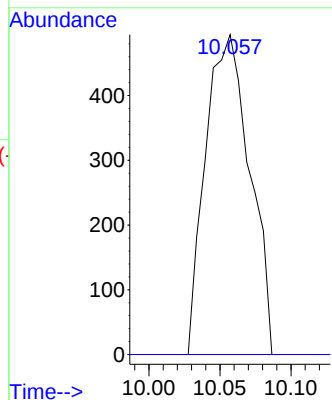
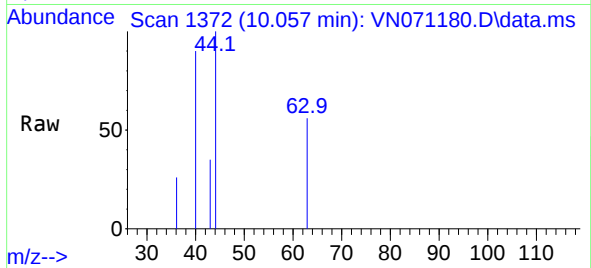




#58
2-Chloroethyl Vinyl ether
Concen: 28.148 ug/l
RT: 10.057 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

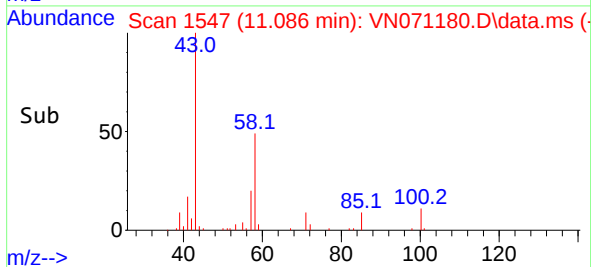
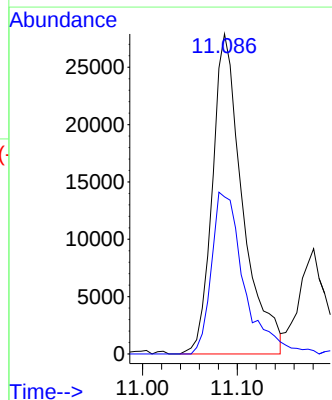
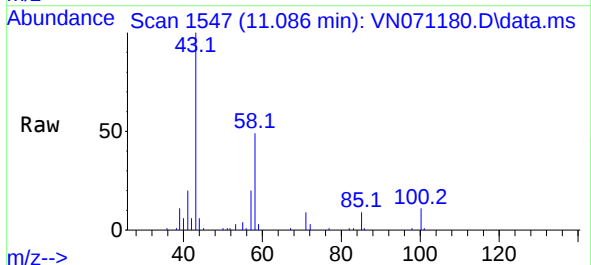
Instrument :
MSVOA_N
ClientSampleId :
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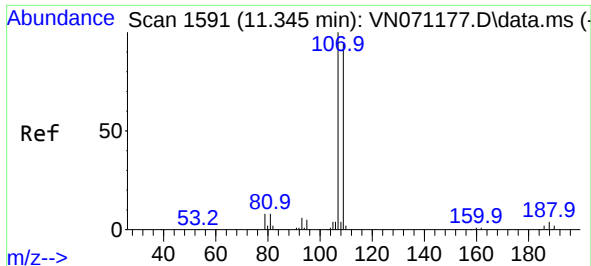
Tgt Ion: 63 Resp: 1070
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 5.379 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 43 Resp: 61753
Ion Ratio Lower Upper
43 100
58 54.6 26.9 80.7

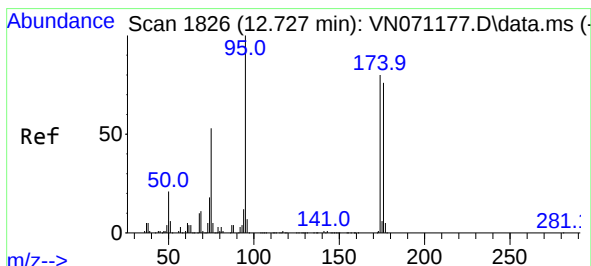
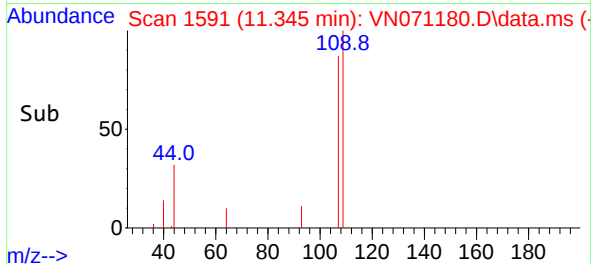
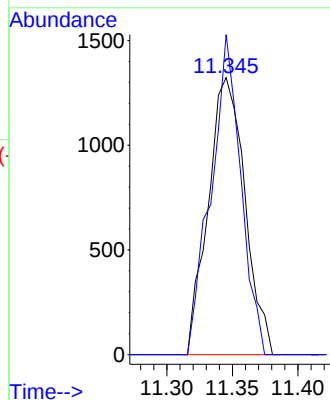
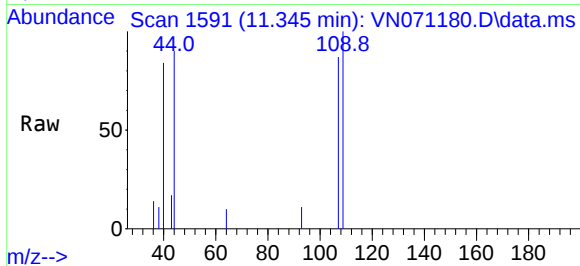




#61
1,2-Dibromoethane
Concen: 0.258 ug/l
RT: 11.345 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

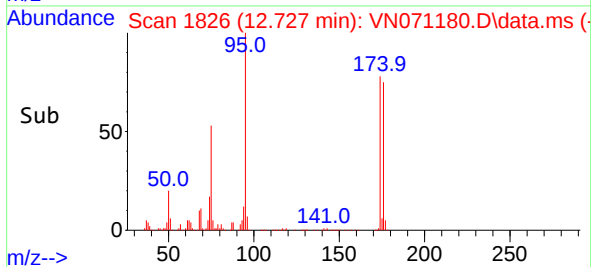
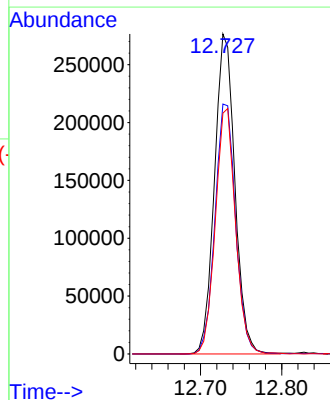
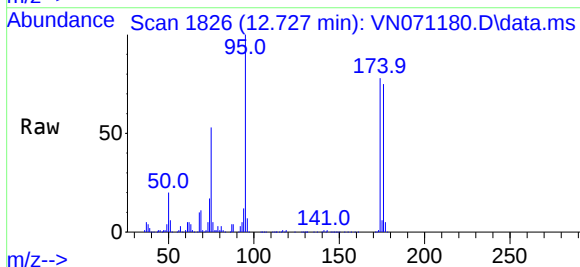
Instrument :
MSVOA_N
ClientSampleId :
IBLK

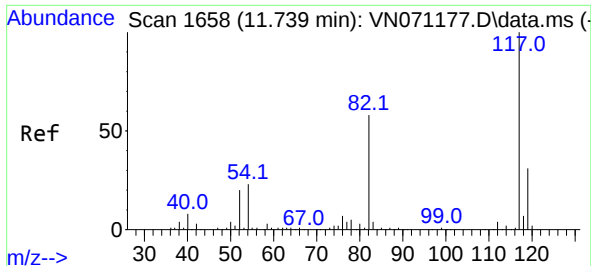
Tgt Ion:107 Resp: 2582
Ion Ratio Lower Upper
107 100
109 93.5 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 43.086 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 95 Resp: 483005
Ion Ratio Lower Upper
95 100
174 78.9 0.0 187.2
176 75.9 0.0 181.4

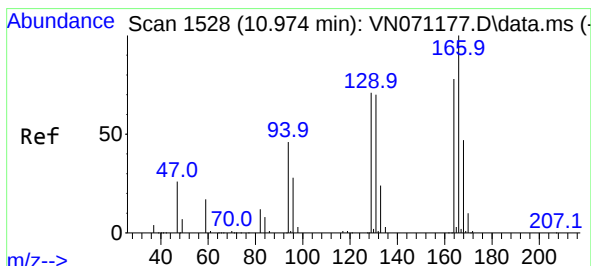
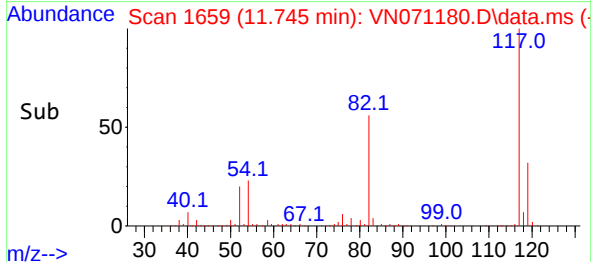
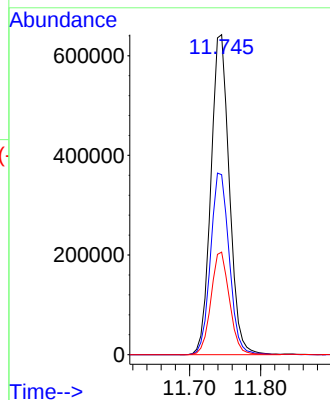
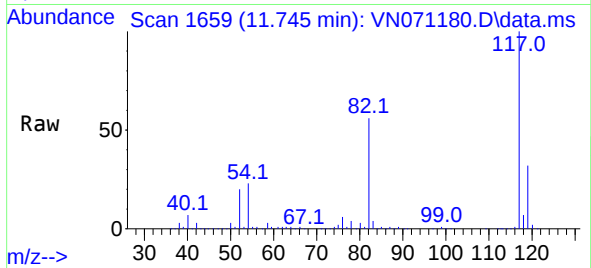




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

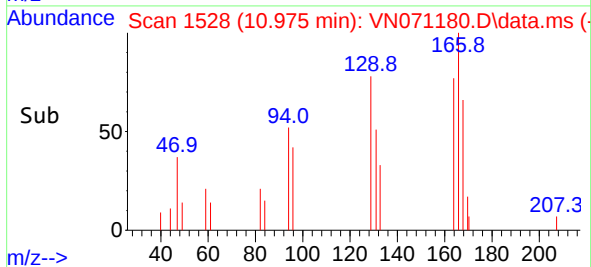
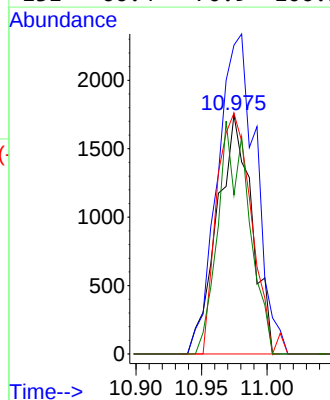
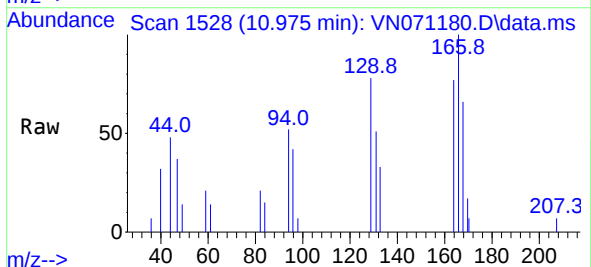
Instrument :
MSVOA_N
ClientSampleId :
IBLK

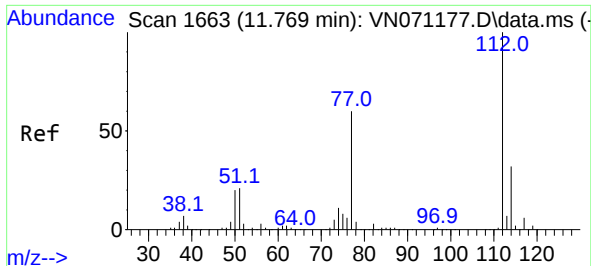
Tgt Ion:117 Resp: 1157421
Ion Ratio Lower Upper
117 100
82 56.2 42.4 63.6
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 0.396 ug/l
RT: 10.975 min Scan# 1528
Delta R.T. 0.001 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:164 Resp: 3197
Ion Ratio Lower Upper
164 100
166 129.0 101.9 152.9
129 100.6 72.0 108.0
131 66.4 70.9 106.3#

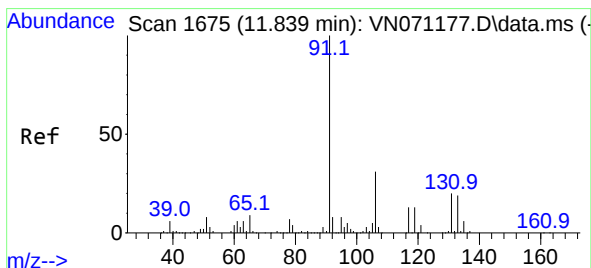
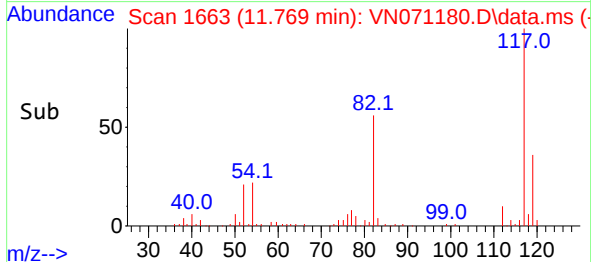
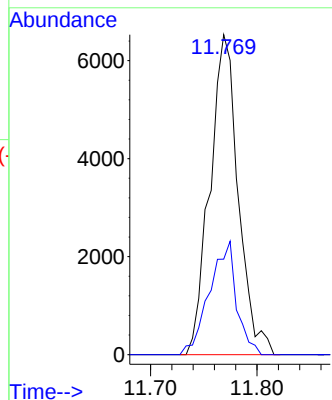
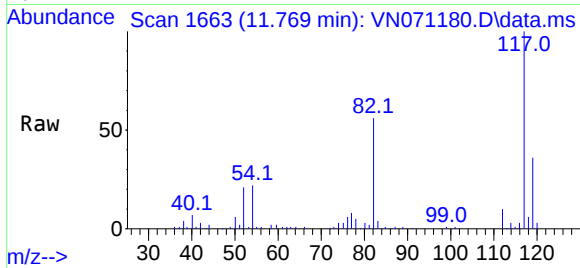




#65
Chlorobenzene
Concen: 0.486 ug/l
RT: 11.769 min Scan# 1663
Delta R.T. -0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

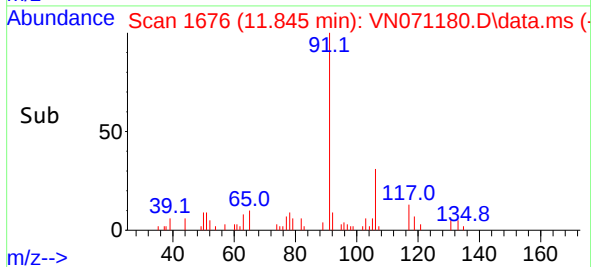
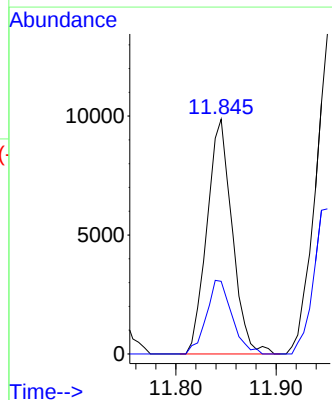
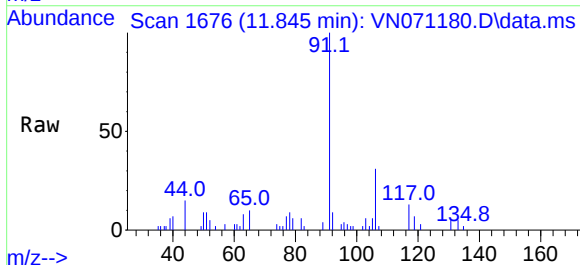
Instrument :
MSVOA_N
ClientSampleId :
IBLK

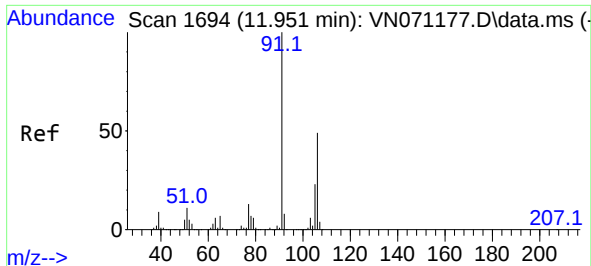
Tgt Ion:112 Resp: 12085
Ion Ratio Lower Upper
112 100
114 29.8 25.4 38.0



#67
Ethyl Benzene
Concen: 0.393 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 91 Resp: 17282
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5

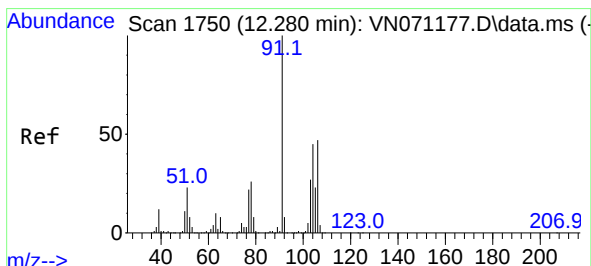
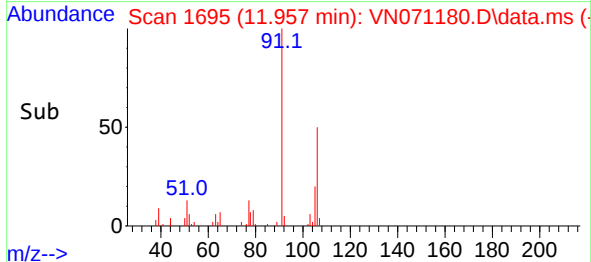
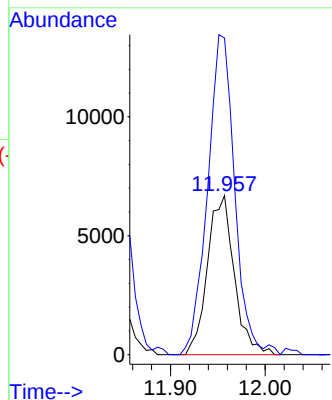
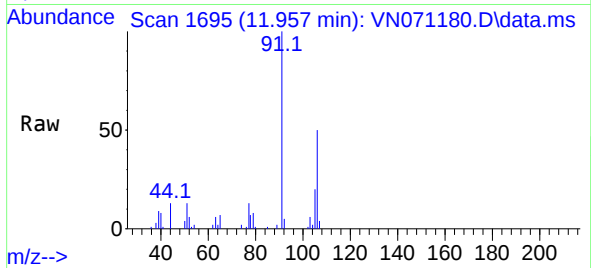




#68
m/p-Xylenes
Concen: 0.818 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

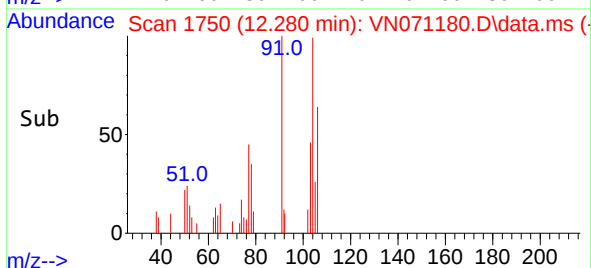
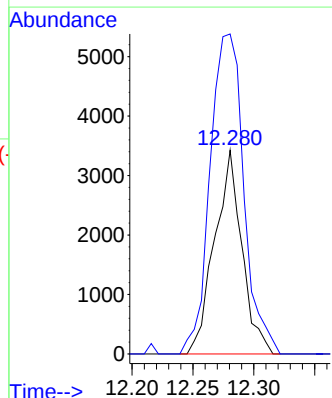
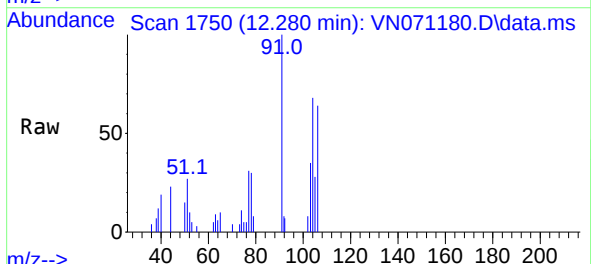
Instrument :
MSVOA_N
ClientSampleId :
IBLK

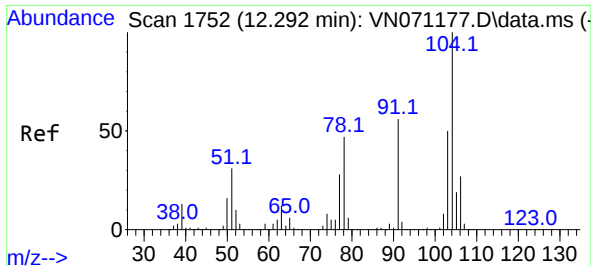
Tgt Ion:106 Resp: 13148
Ion Ratio Lower Upper
106 100
91 203.7 160.6 240.8



#69
o-Xylene
Concen: 0.332 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:106 Resp: 5348
Ion Ratio Lower Upper
106 100
91 193.9 105.8 317.3

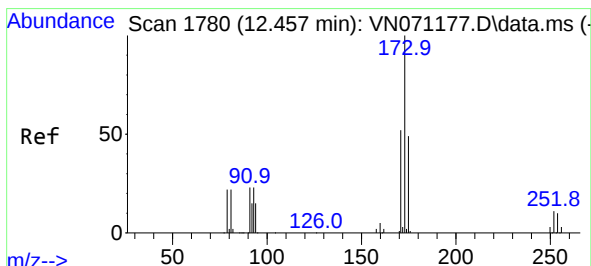
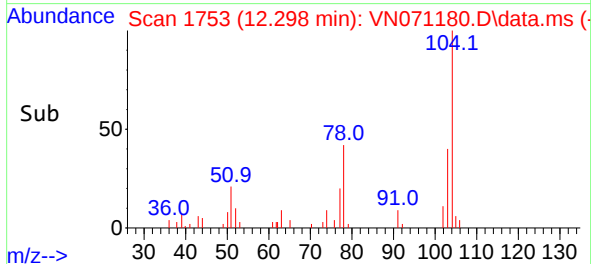
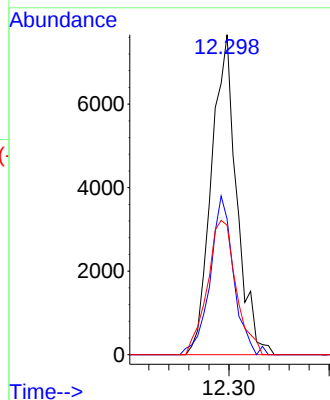
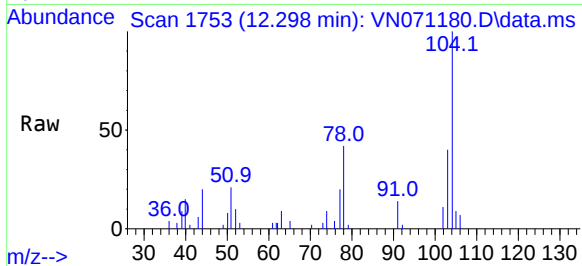




#70
Styrene
Concen: 0.539 ug/l
RT: 12.298 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

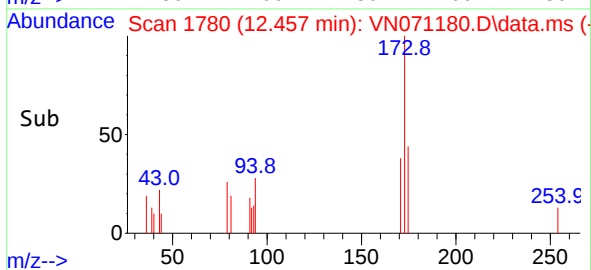
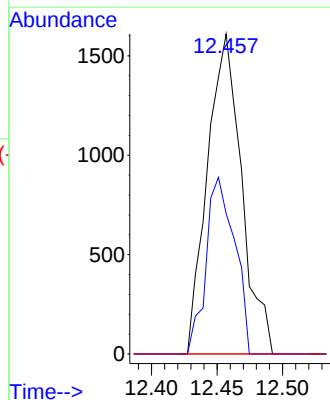
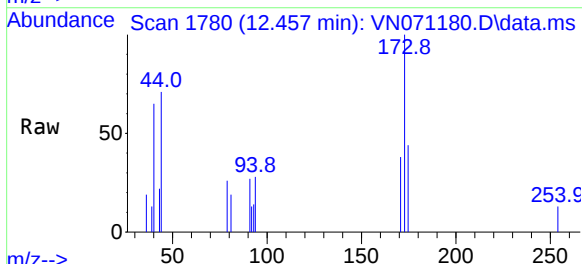
Instrument :
MSVOA_N
ClientSampleId :
IBLK

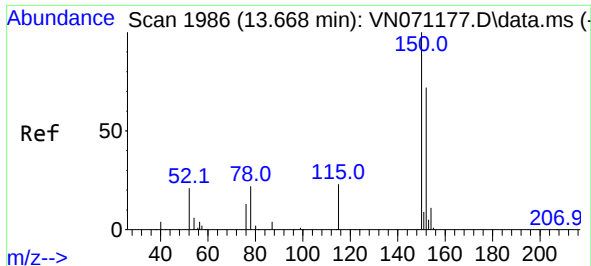
Tgt Ion:104 Resp: 13438
Ion Ratio Lower Upper
104 100
78 45.8 38.7 58.1
103 47.6 45.0 67.6



#71
Bromoform
Concen: 0.421 ug/l
RT: 12.457 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:173 Resp: 2917
Ion Ratio Lower Upper
173 100
175 46.2 24.2 72.6
254 0.0 0.0 0.0

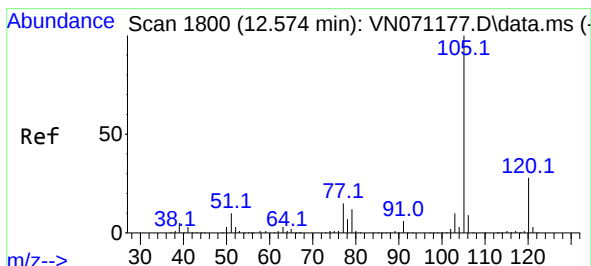
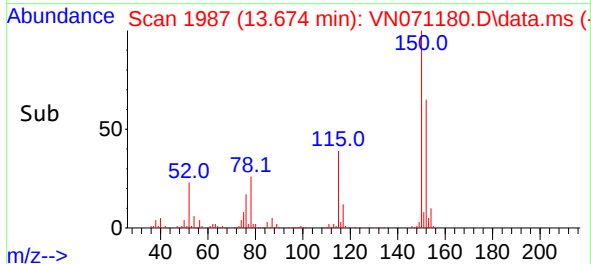
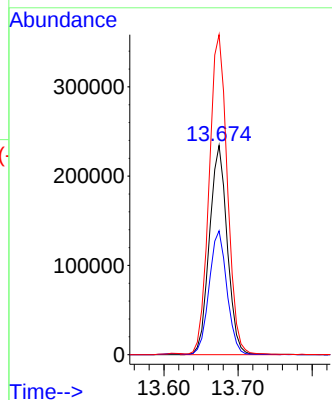
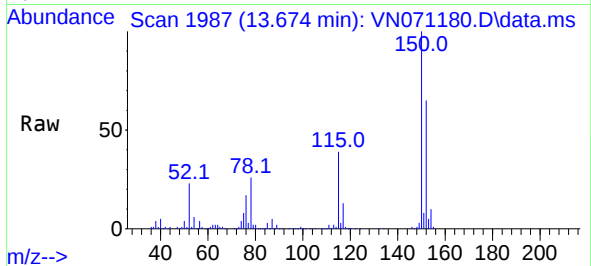




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

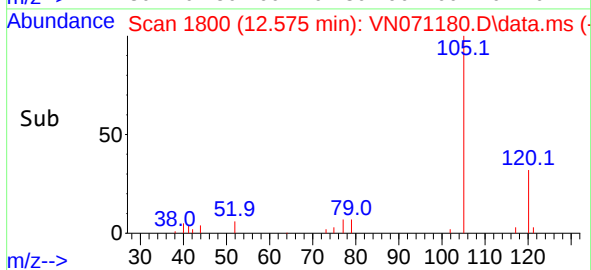
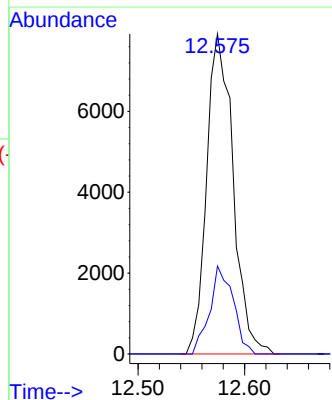
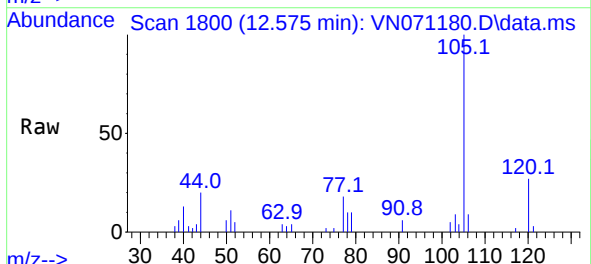
Instrument :
MSVOA_N
ClientSampleId :
IBLK

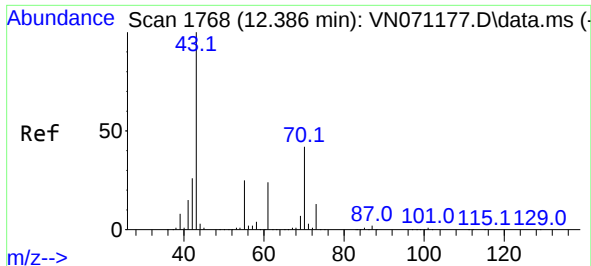
Tgt Ion:152 Resp: 391644
Ion Ratio Lower Upper
152 100
115 59.1 27.5 82.5
150 156.3 0.0 344.4



#73
Isopropylbenzene
Concen: 0.362 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. 0.001 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:105 Resp: 13649
Ion Ratio Lower Upper
105 100
120 24.4 13.4 40.1

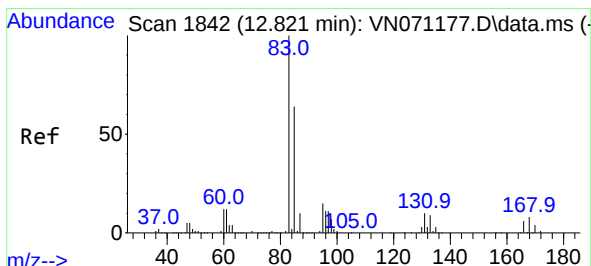
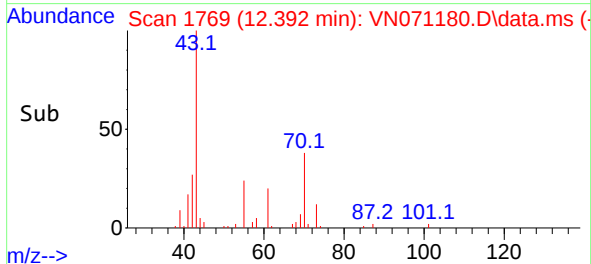
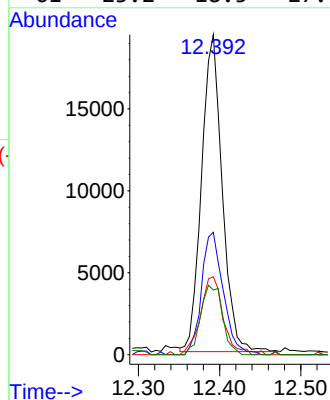
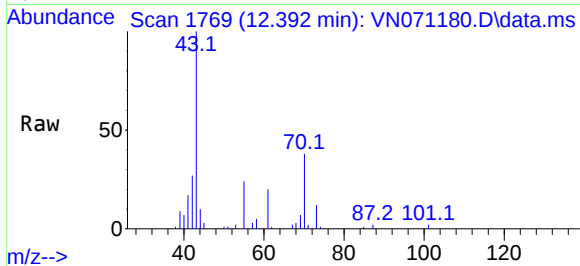




#74
N-amy1 acetate
Concen: 2.412 ug/l
RT: 12.392 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

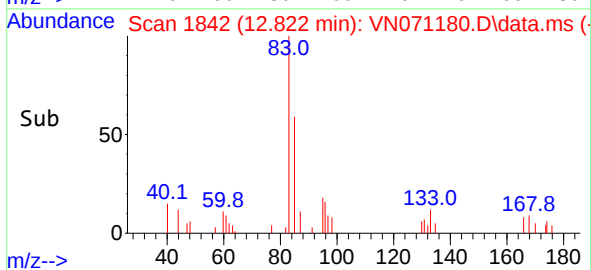
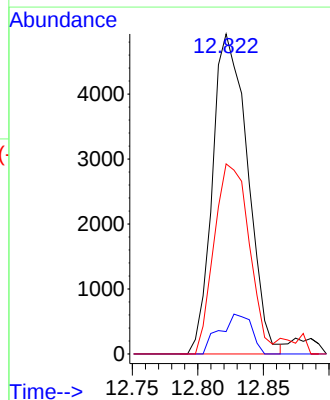
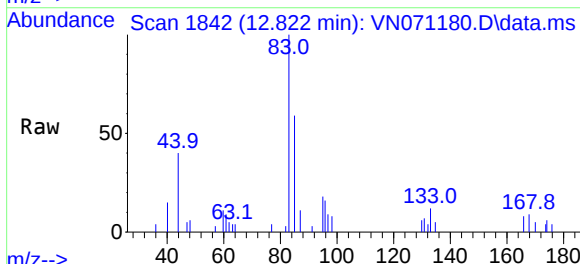
Instrument :
MSVOA_N
ClientSampleId :
IBLK

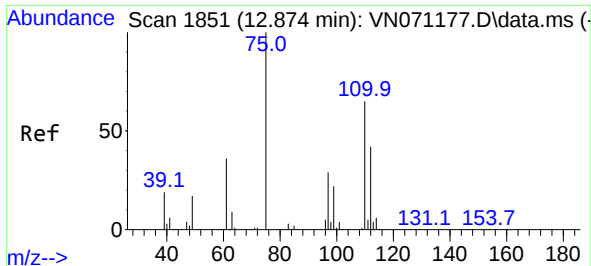
Tgt Ion: 43	Resp: 34236
Ion Ratio	Lower Upper
43 100	
70 40.5	33.4 50.0
55 26.7	19.3 28.9
61 23.2	18.5 27.7



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.822 min Scan# 1842
Delta R.T. 0.001 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 83	Resp: 9182
Ion Ratio	Lower Upper
83 100	
131 11.2	5.5 16.5
85 59.3	32.4 97.2

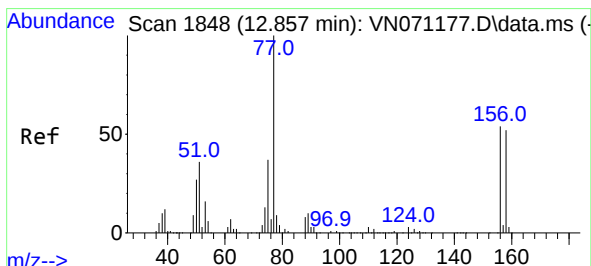
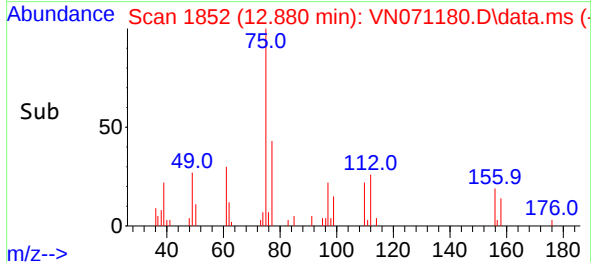
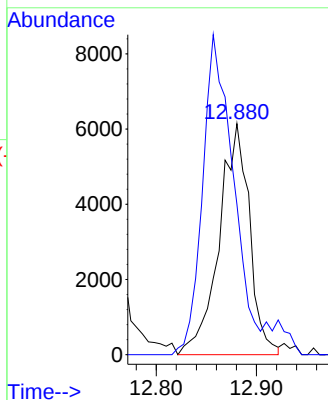
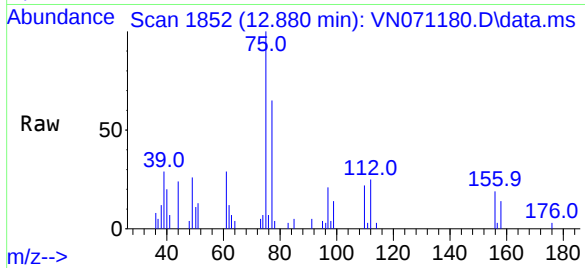




#76
1,2,3-Trichloropropane
Concen: Below Cal
RT: 12.880 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

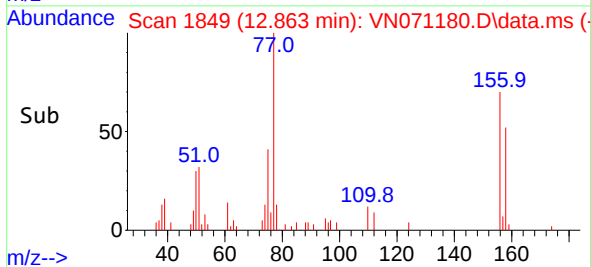
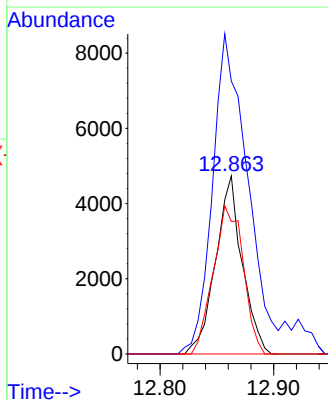
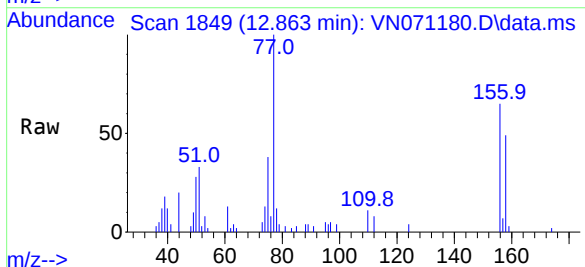
Instrument :
MSVOA_N
ClientSampleId :
IBLK

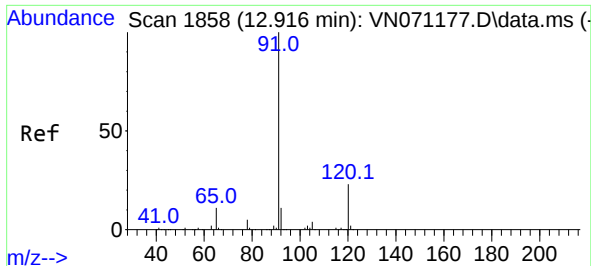
Tgt Ion: 75 Resp: 12951
Ion Ratio Lower Upper
75 100
77 0.0 82.6 247.8#



#77
Bromobenzene
Concen: 0.877 ug/l
RT: 12.863 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:156 Resp: 7724
Ion Ratio Lower Upper
156 100
77 234.1 90.6 271.8
158 93.2 48.9 146.7

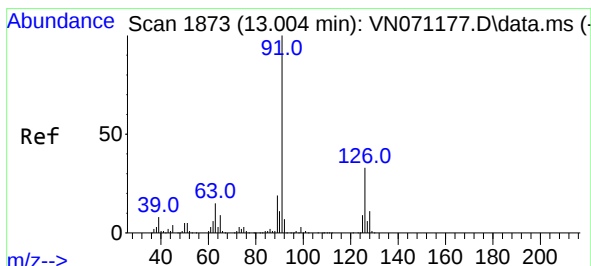
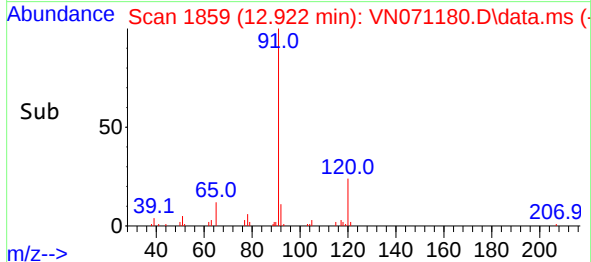
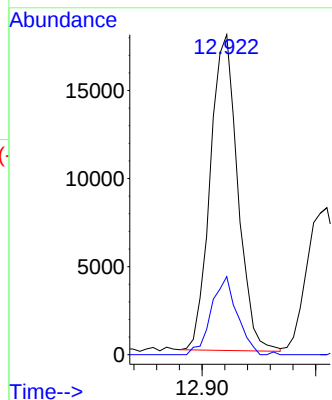
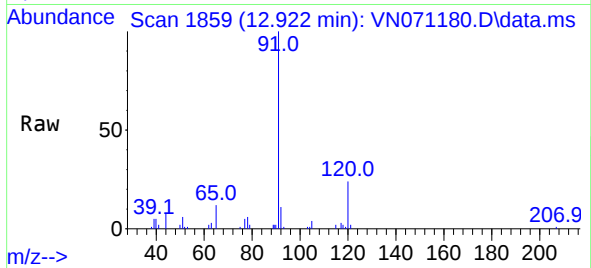




#78
n-propylbenzene
Concen: 0.744 ug/l
RT: 12.922 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

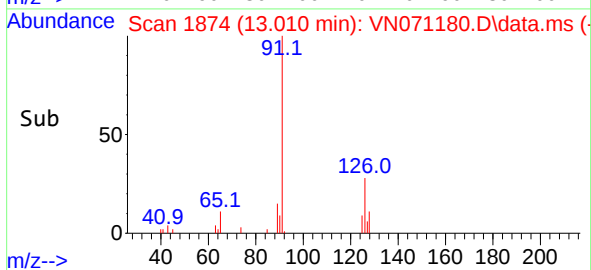
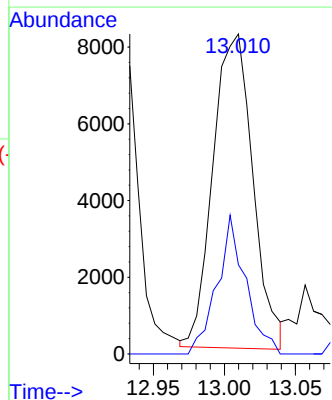
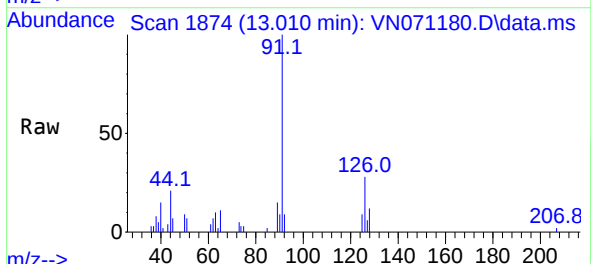
Instrument :
MSVOA_N
ClientSampleId :
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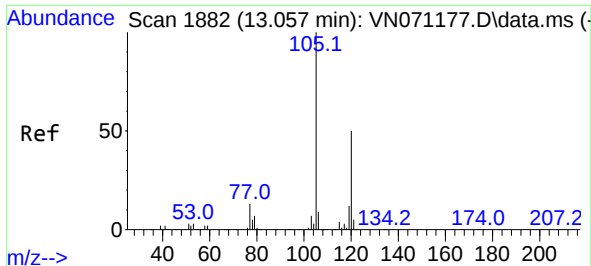
Tgt Ion: 91 Resp: 30149
Ion Ratio Lower Upper
91 100
120 23.2 11.9 35.9



#79
2-Chlorotoluene
Concen: 0.616 ug/l
RT: 13.010 min Scan# 1874
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 91 Resp: 16010
Ion Ratio Lower Upper
91 100
126 31.4 18.3 54.8

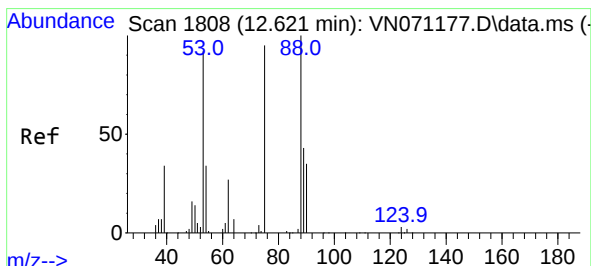
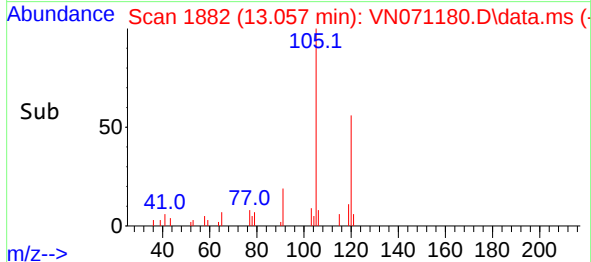
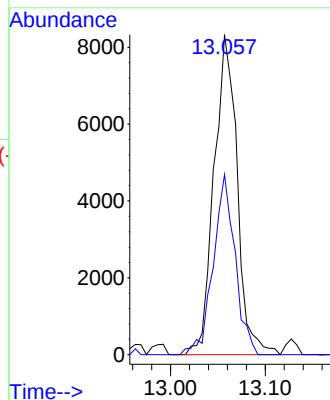
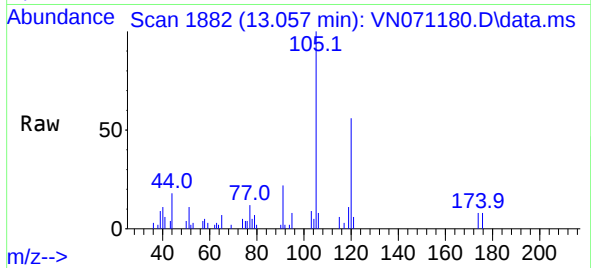




#80
1,3,5-Trimethylbenzene
Concen: 0.481 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

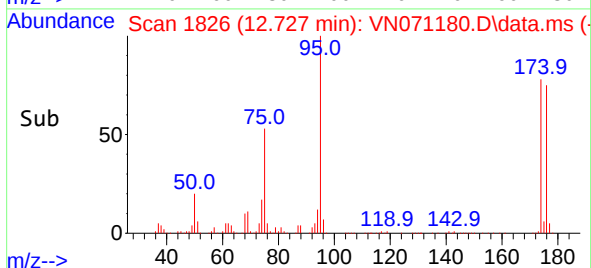
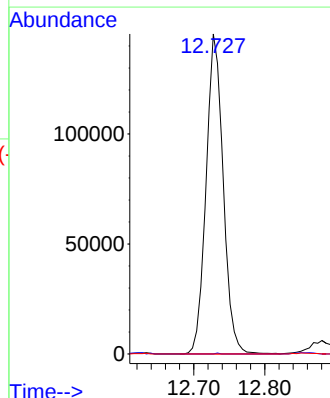
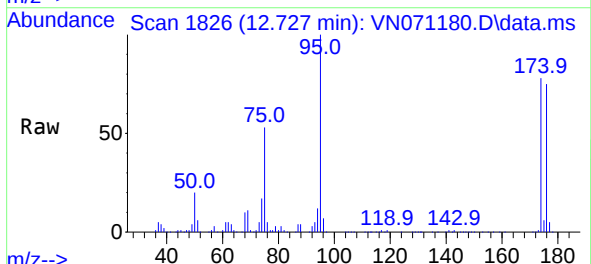
Instrument :
MSVOA_N
ClientSampleId :
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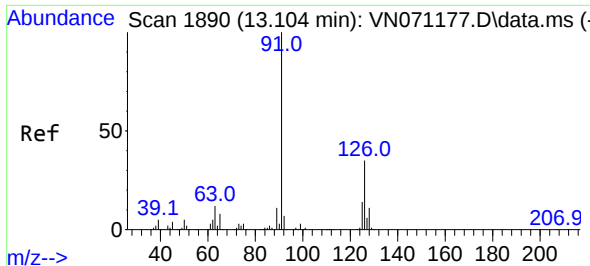
Tgt Ion:105 Resp: 14136
Ion Ratio Lower Upper
105 100
120 53.1 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 67.367 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 75 Resp: 244069
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

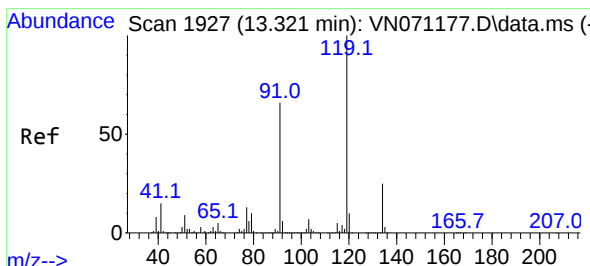
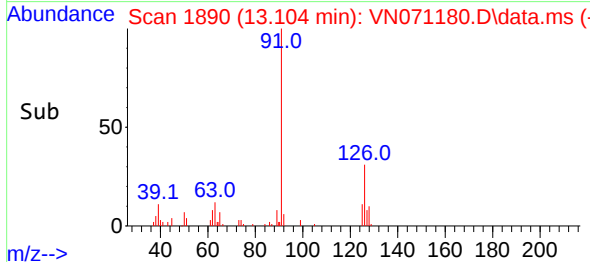
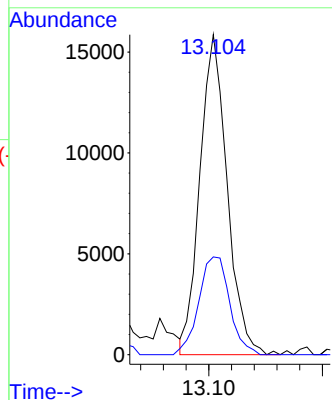
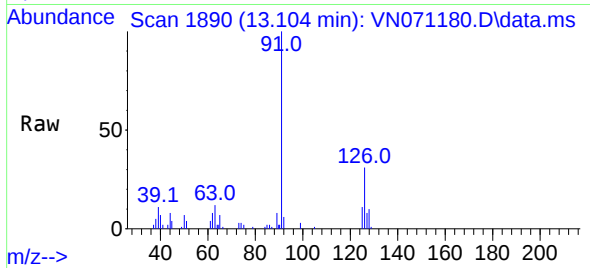




#82
4-Chlorotoluene
Concen: 1.141 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

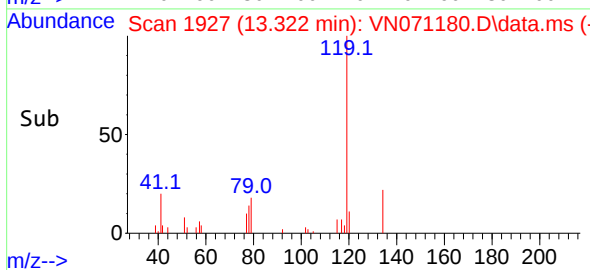
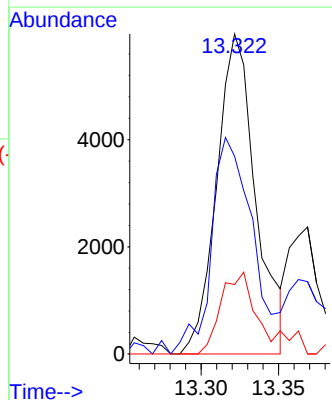
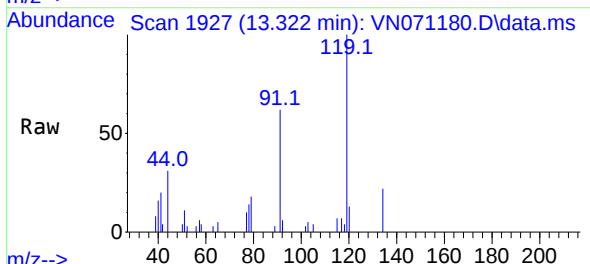
Instrument :
MSVOA_N
ClientSampleId :
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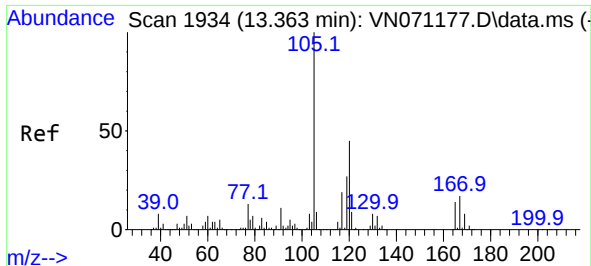
Tgt Ion: 91 Resp: 26430
Ion Ratio Lower Upper
91 100
126 34.6 18.2 54.6



#83
tert-Butylbenzene
Concen: 0.399 ug/l
RT: 13.322 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion: 119 Resp: 10463
Ion Ratio Lower Upper
119 100
91 70.2 31.5 94.5
134 25.9 12.4 37.4

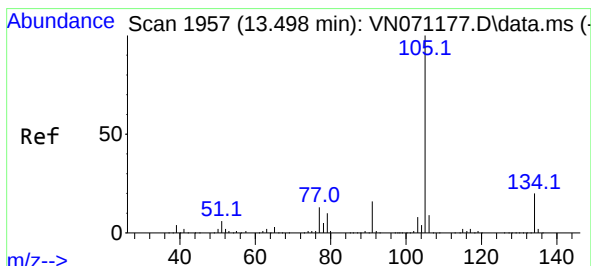
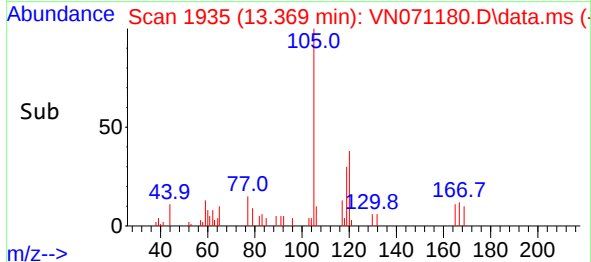
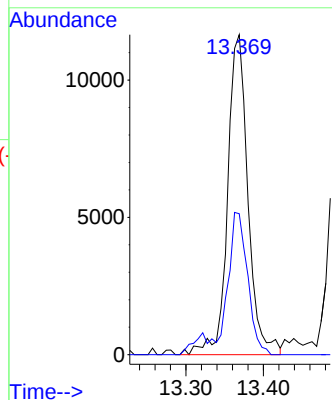
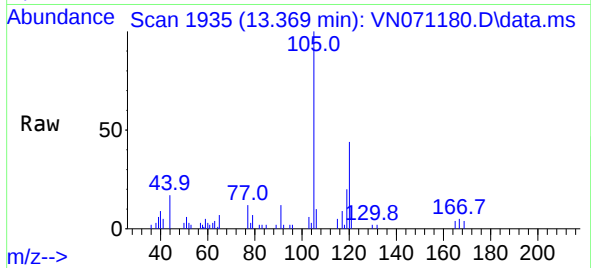




#84
1,2,4-Trimethylbenzene
Concen: 0.758 ug/l
RT: 13.369 min Scan# 1934
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

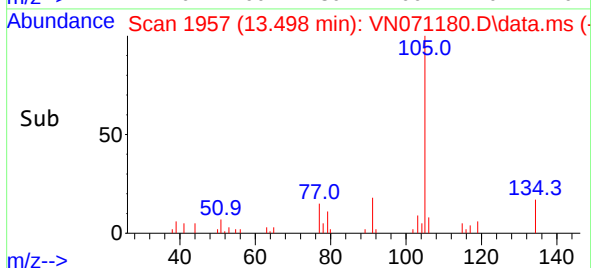
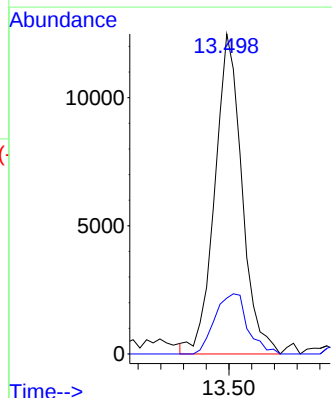
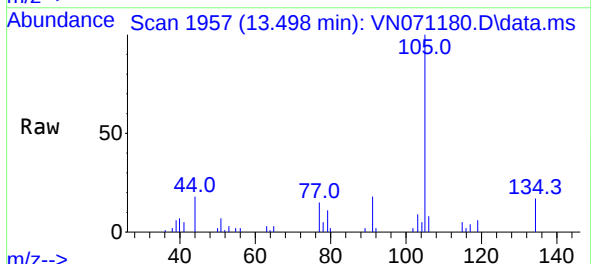
Instrument :
MSVOA_N
ClientSampleId :
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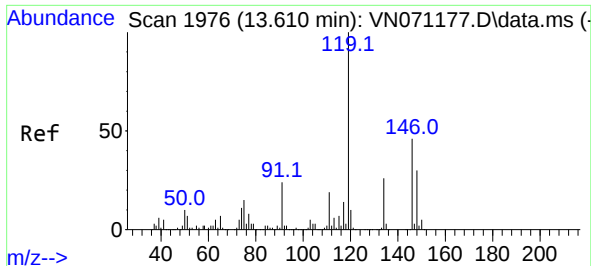
Tgt Ion:105 Resp: 21338
Ion Ratio Lower Upper
105 100
120 41.7 22.8 68.4



#85
sec-Butylbenzene
Concen: 0.594 ug/l
RT: 13.498 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:105 Resp: 20684
Ion Ratio Lower Upper
105 100
134 22.5 10.4 31.1

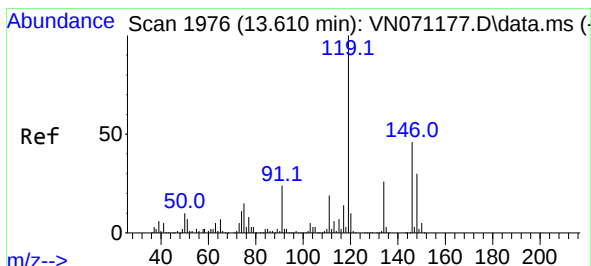
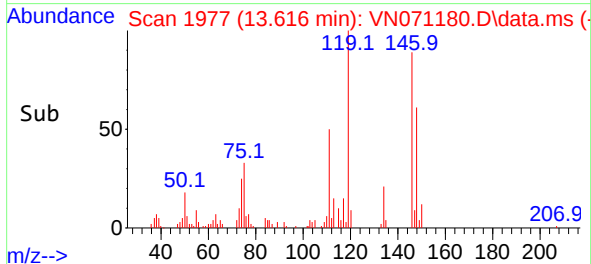
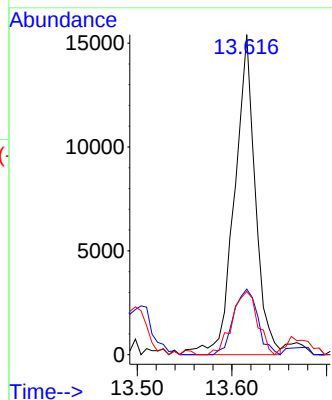
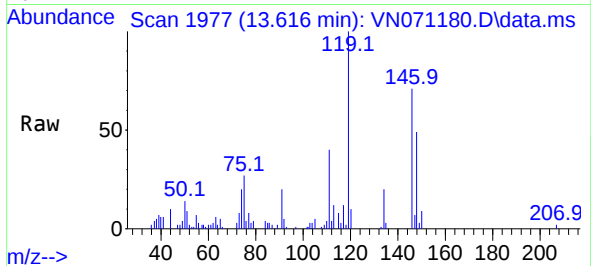




#86
p-Isopropyltoluene
Concen: 0.854 ug/l
RT: 13.616 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

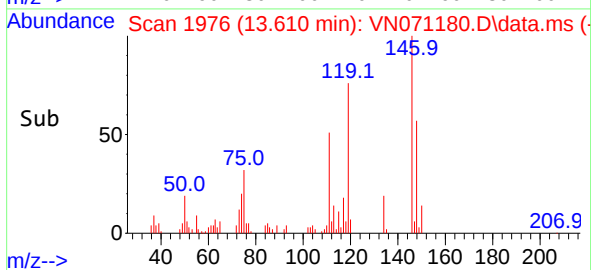
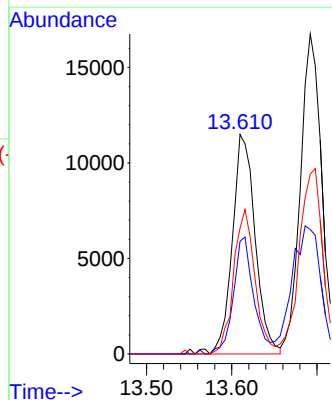
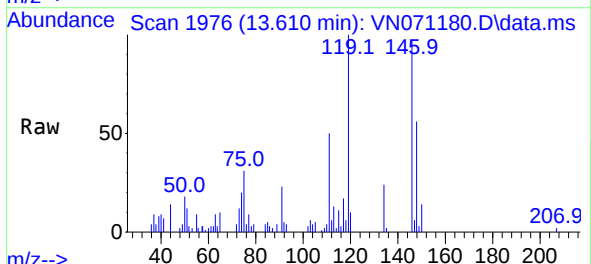
Instrument :
MSVOA_N
ClientSampleId :
IBLK

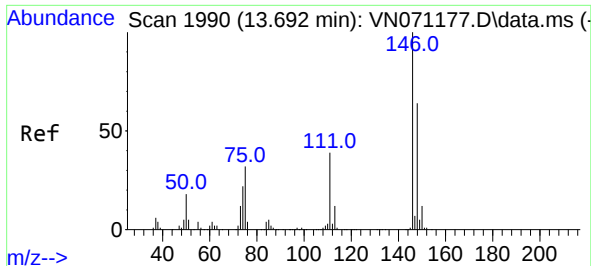
Tgt Ion:119 Resp: 23410
Ion Ratio Lower Upper
119 100
134 23.8 13.6 40.7
91 24.2 11.4 34.1



#87
1,3-Dichlorobenzene
Concen: 1.503 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:146 Resp: 21504
Ion Ratio Lower Upper
146 100
111 46.8 18.6 55.6
148 61.2 31.6 95.0

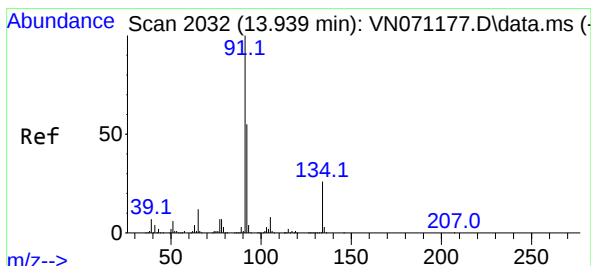
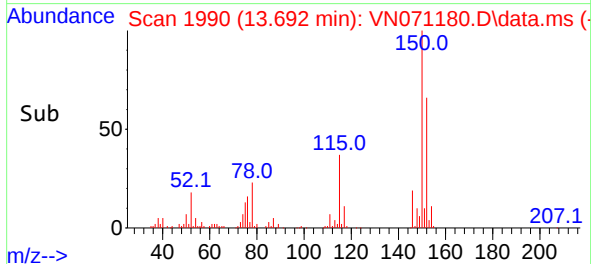
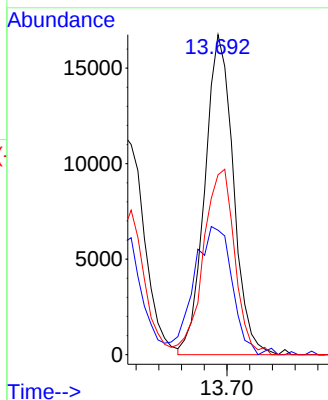
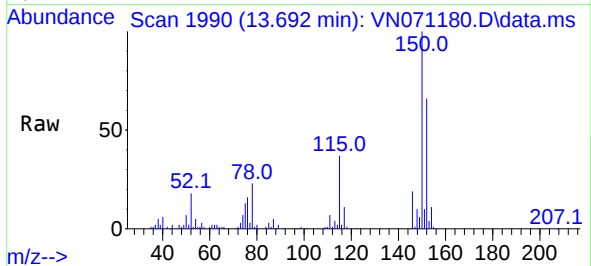




#88
1,4-Dichlorobenzene
Concen: 2.088 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

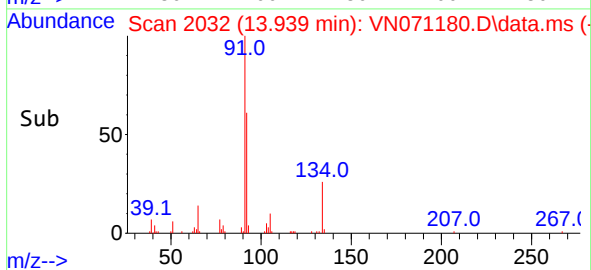
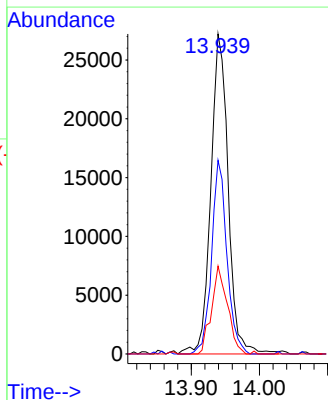
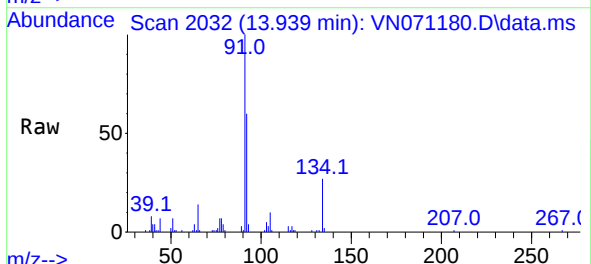
Instrument :
MSVOA_N
ClientSampleId :
IBLK

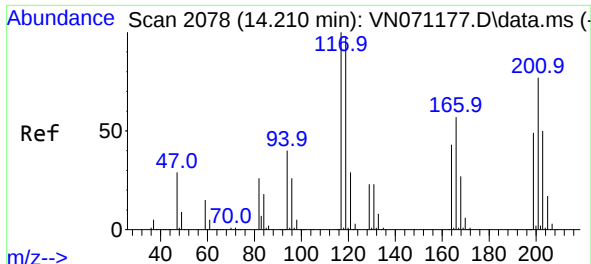
Tgt Ion:	146	Resp:	29200
Ion	Ratio	Lower	Upper
146	100		
111	51.4	18.3	54.8
148	63.7	31.8	95.4



#89
n-Butylbenzene
Concen: 2.250 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:	91	Resp:	48228
Ion	Ratio	Lower	Upper
91	100		
92	53.6	25.4	76.0
134	25.3	13.6	40.8

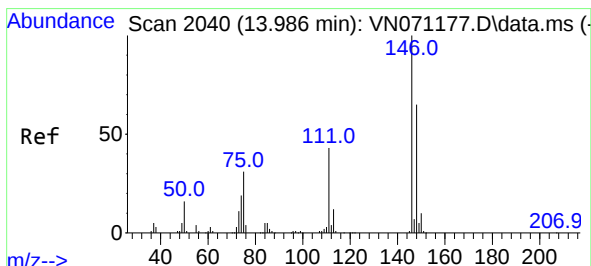
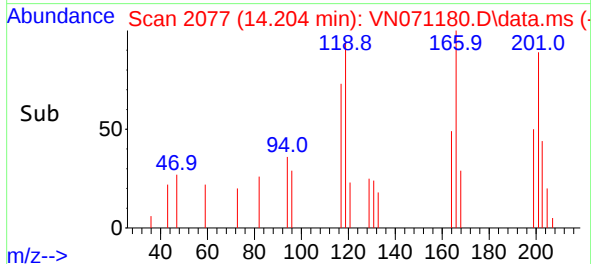
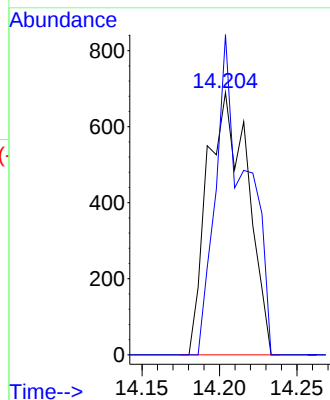
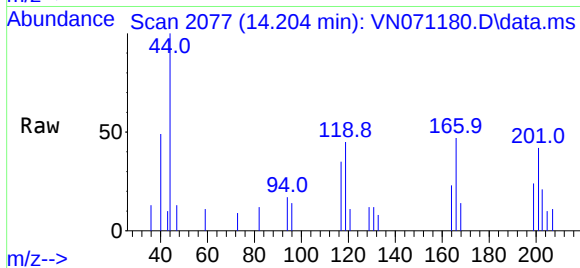




#90
Hexachloroethane
Concen: 0.230 ug/l
RT: 14.204 min Scan# 2077
Delta R.T. -0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

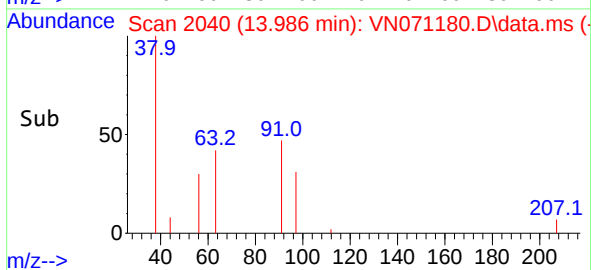
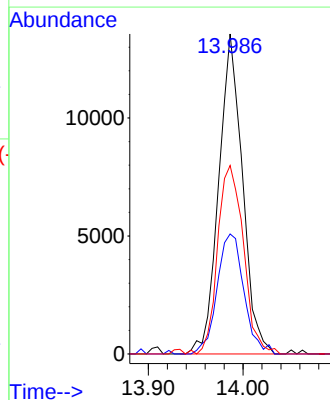
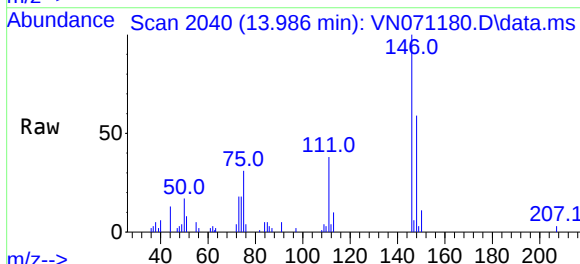
Instrument :
MSVOA_N
ClientSampleId :
IBLK

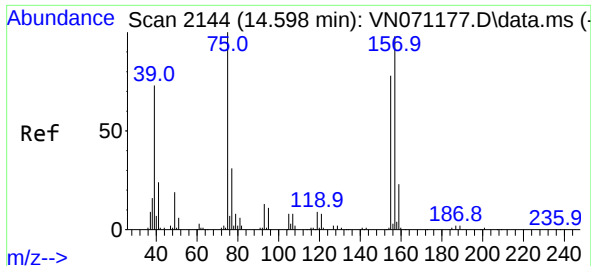
Tgt Ion:117 Resp: 1255
Ion Ratio Lower Upper
117 100
201 92.3 43.9 131.6



#91
1,2-Dichlorobenzene
Concen: 1.719 ug/l
RT: 13.986 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

Tgt Ion:146 Resp: 23641
Ion Ratio Lower Upper
146 100
111 42.3 19.1 57.3
148 64.1 32.1 96.3

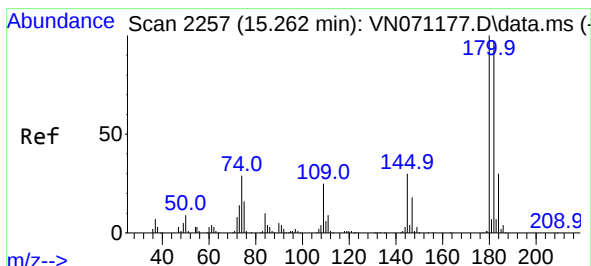
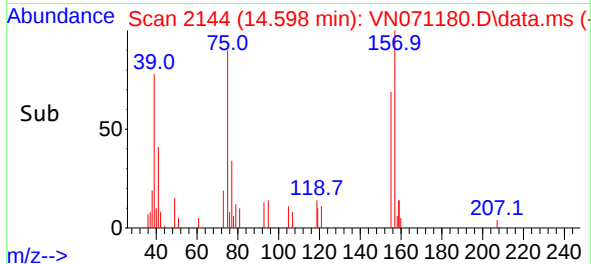
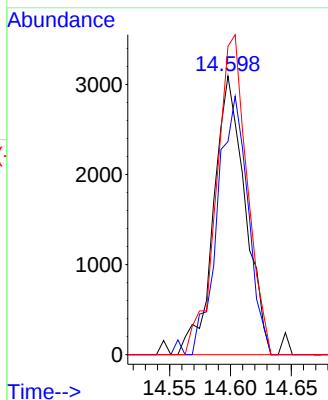
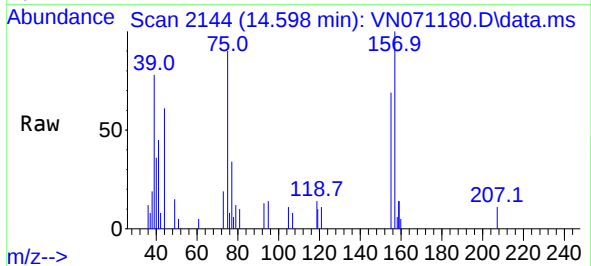




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.532 ug/l
 RT: 14.598 min Scan# 2144
 Delta R.T. 0.000 min
 Lab File: VN071180.D
 Acq: 07 Mar 2022 16:54

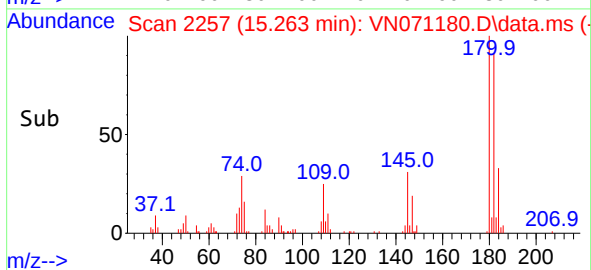
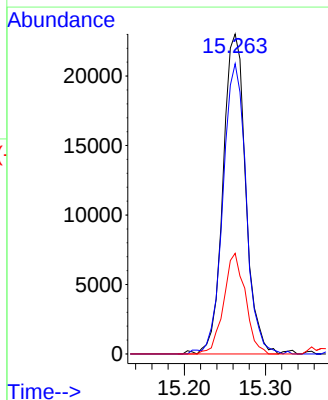
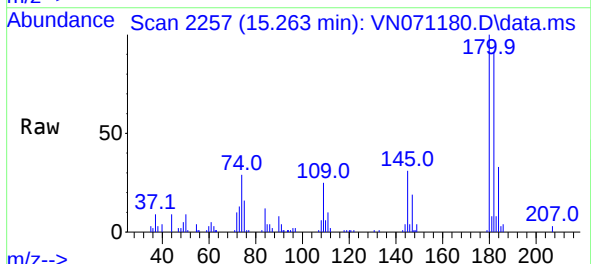
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

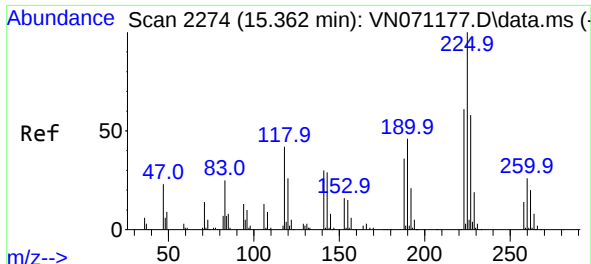
Tgt Ion: 75 Resp: 5561
 Ion Ratio Lower Upper
 75 100
 155 91.0 46.9 140.7
 157 112.5 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 9.509 ug/l
 RT: 15.263 min Scan# 2257
 Delta R.T. 0.001 min
 Lab File: VN071180.D
 Acq: 07 Mar 2022 16:54

Tgt Ion: 180 Resp: 44505
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.3 144.9
 145 30.3 14.5 43.5

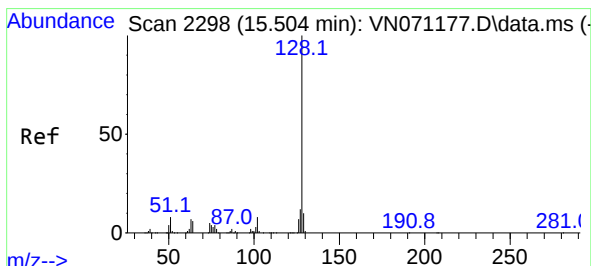
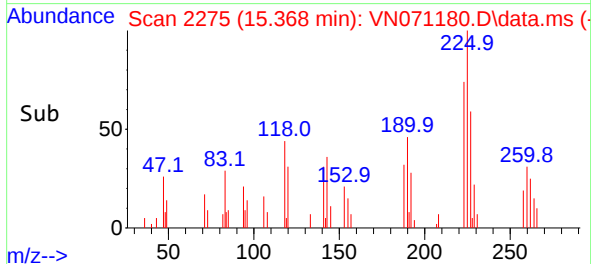
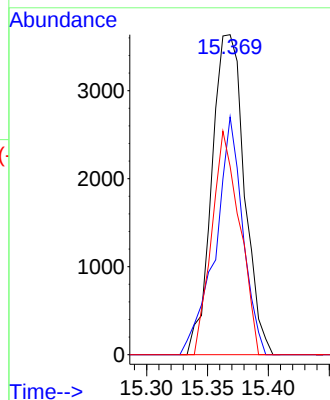
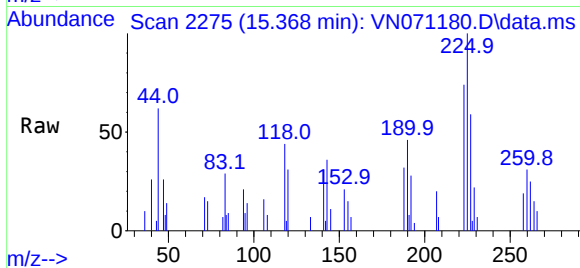




#94
Hexachlorobutadiene
Concen: 1.754 ug/l
RT: 15.368 min Scan# 2274
Delta R.T. 0.006 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

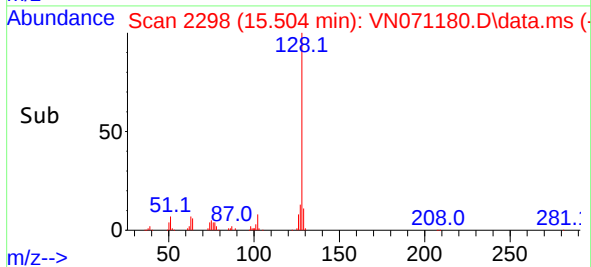
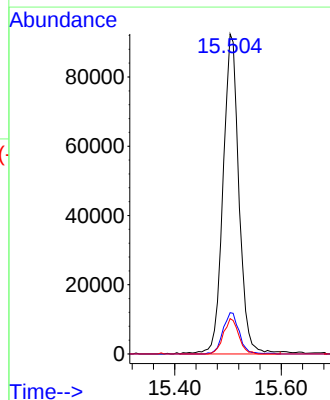
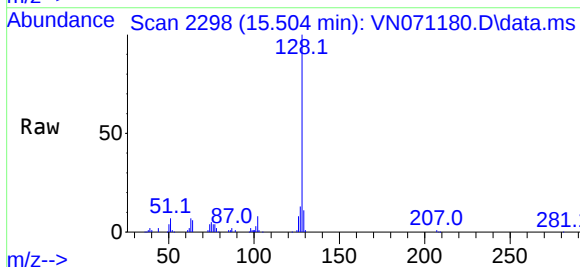
Instrument :
MSVOA_N
ClientSampleId :
IBLK

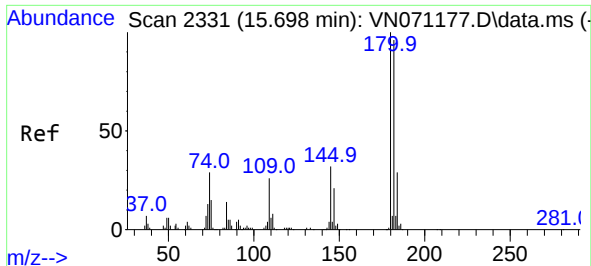
Tgt Ion:225 Resp: 6771
Ion Ratio Lower Upper
225 100
223 62.8 31.9 95.7
227 59.8 32.1 96.3



#95
Naphthalene
Concen: 14.646 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071180.D
Acq: 07 Mar 2022 16:54

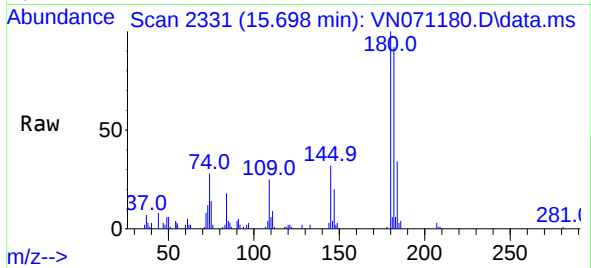
Tgt Ion:128 Resp: 191372
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 10.946 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071180.D
 Acq: 07 Mar 2022 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	53428
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	31.8	15.0	45.1

