

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041021\
 Data File : VN066568.D
 Acq On : 9 Apr 2021 20:33
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 10 06:33:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041021W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 10 06:31:37 2021
 Response via : Initial Calibration

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

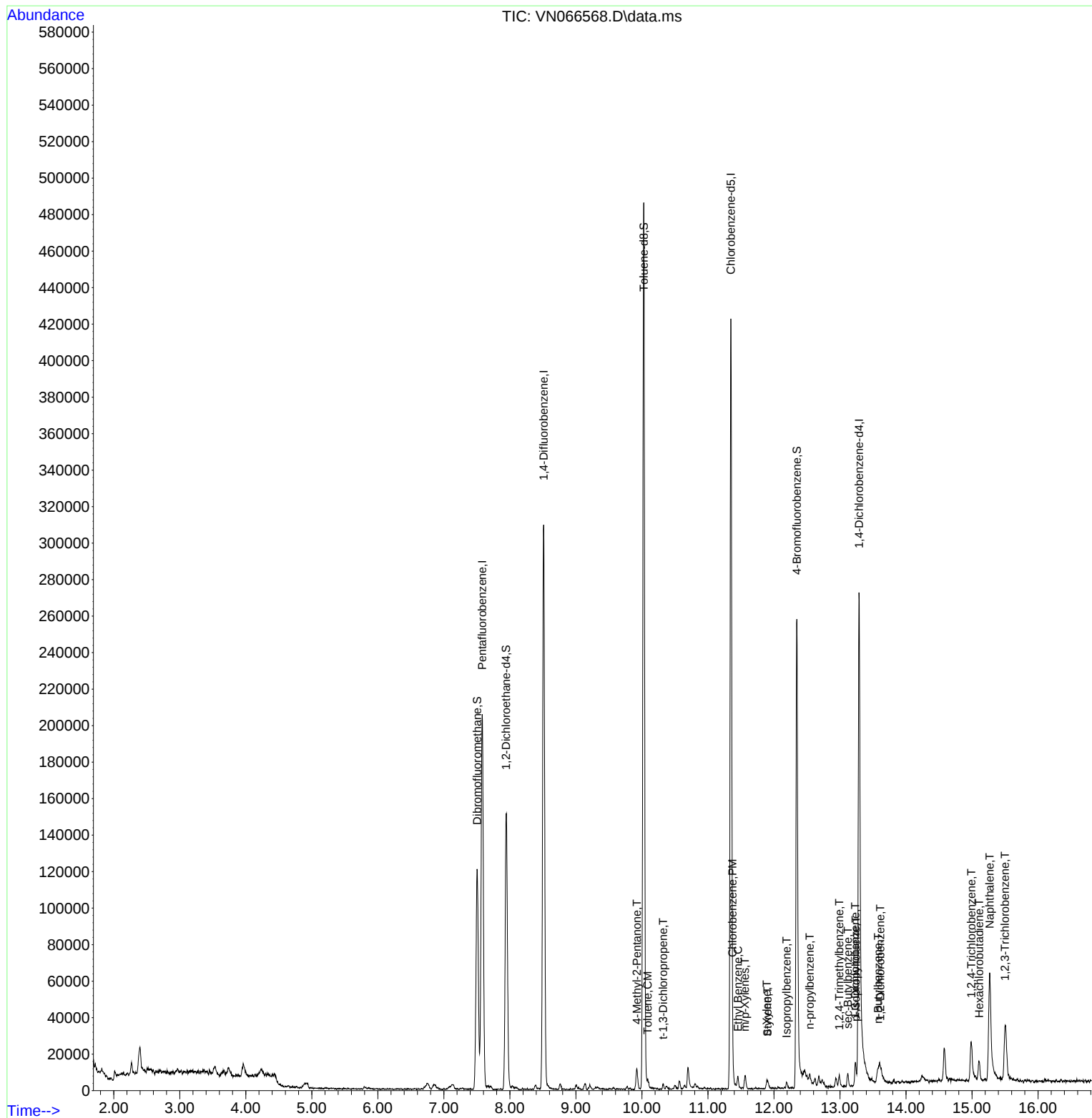
Internal Standards						
1) Pentafluorobenzene	7.582	168	151240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	246451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	218711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	83161	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.944	65	129792	46.39	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.78%		
35) Dibromofluoromethane	7.504	113	89532	48.76	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.52%		
50) Toluene-d8	10.028	98	311420	45.45	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.90%#		
62) 4-Bromofluorobenzene	12.348	95	88978	35.43	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	70.86%#		
Target Compounds					Qvalue	
51) 4-Methyl-2-Pentanone	9.923	43	9046	2.36	ug/l	91
52) Toluene	10.089	92	1304	0.26	ug/l	97
53) t-1,3-Dichloropropene	10.323	75	1152	0.35	ug/l #	57
65) Chlorobenzene	11.374	112	2542	0.52	ug/l	92
67) Ethyl Benzene	11.454	91	3343	0.38	ug/l	92
68) m/p-Xylenes	11.559	106	2164	0.69	ug/l	93
69) o-Xylene	11.892	106	724	0.25	ug/l	66
70) Styrene	11.905	104	1727	3.24	ug/l #	74
73) Isopropylbenzene	12.192	105	2495	0.38	ug/l	82
78) n-propylbenzene	12.541	91	3587	0.46	ug/l	84
84) 1,2,4-Trimethylbenzene	12.991	105	3537	0.67	ug/l	92
85) sec-Butylbenzene	13.120	105	5217	2.38	ug/l	95
86) p-Isopropyltoluene	13.241	119	4509	2.69	ug/l	94
87) 1,3-Dichlorobenzene	13.230	146	3366	1.75	ug/l	93
89) n-Butylbenzene	13.579	91	6794	4.09	ug/l	92
91) 1,2-Dichlorobenzene	13.611	146	3373	1.62	ug/l #	46
93) 1,2,4-Trichlorobenzene	14.989	180	9488	7.97	ug/l	95
94) Hexachlorobutadiene	15.110	225	2570	2.81	ug/l	83
95) Naphthalene	15.268	128	73055	18.38	ug/l	99
96) 1,2,3-Trichlorobenzene	15.502	180	13216	10.20	ug/l	95

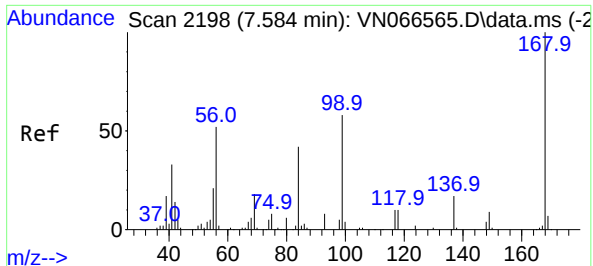
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041021W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 10 06:31:37 2021
Response via : Initial Calibration

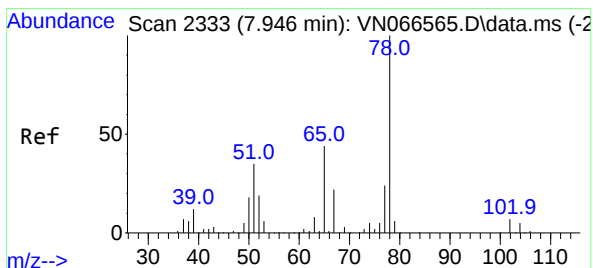
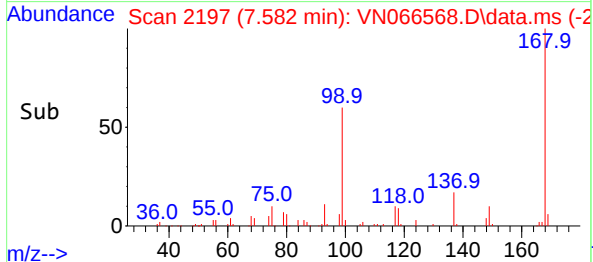
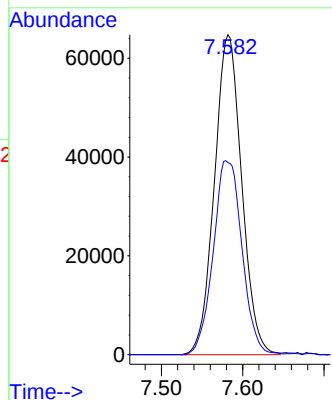
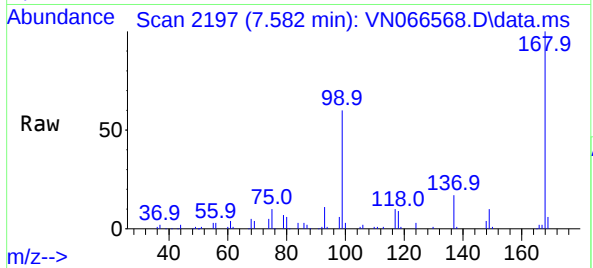




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.002 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

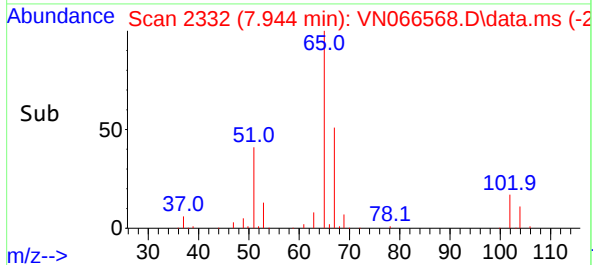
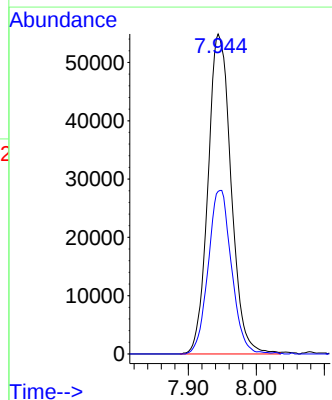
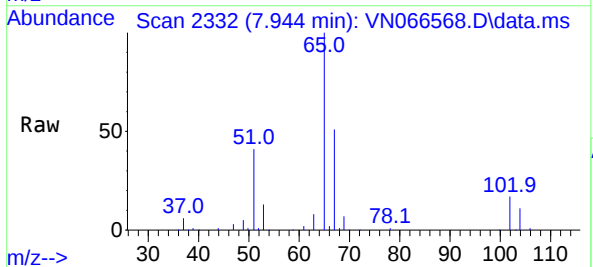
Instrument :
MSVOA_N
ClientSampleId :
IBLK

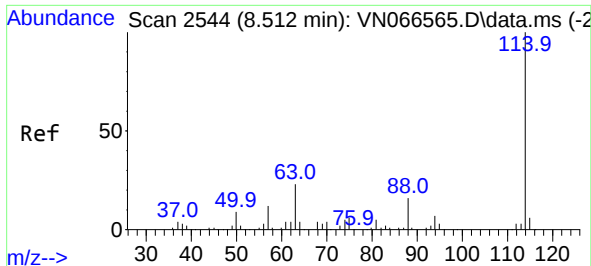
Tgt Ion:168 Resp: 151240
Ion Ratio Lower Upper
168 100
99 60.0 49.2 73.8



#33
1,2-Dichloroethane-d4
Concen: 46.39 ug/l
RT: 7.944 min Scan# 2332
Delta R.T. -0.003 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion: 65 Resp: 129792
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8

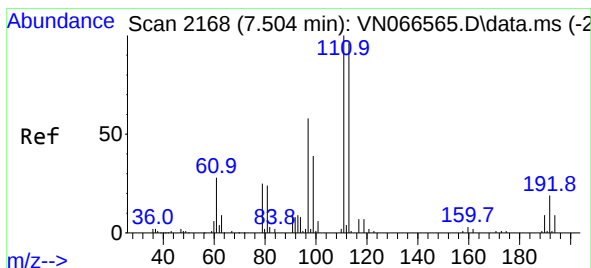
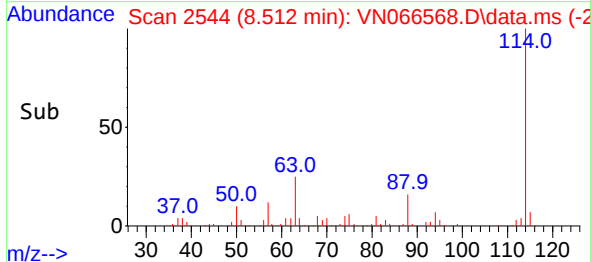
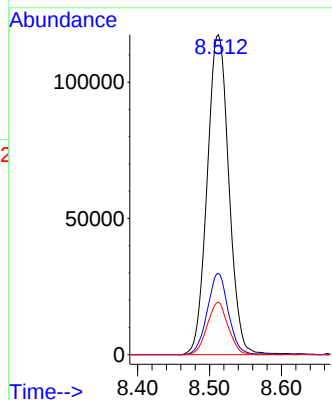
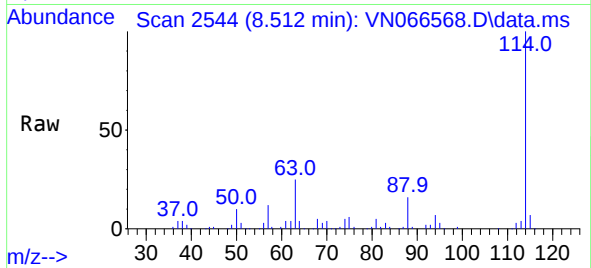




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. 0.000 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

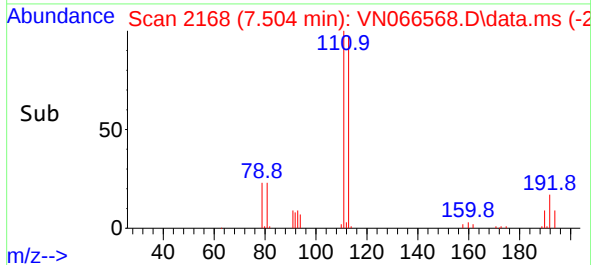
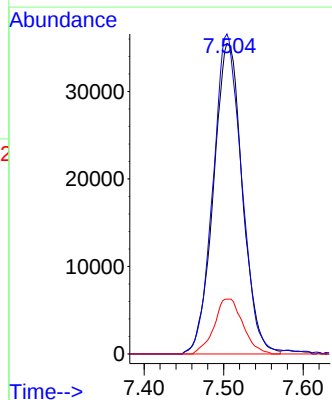
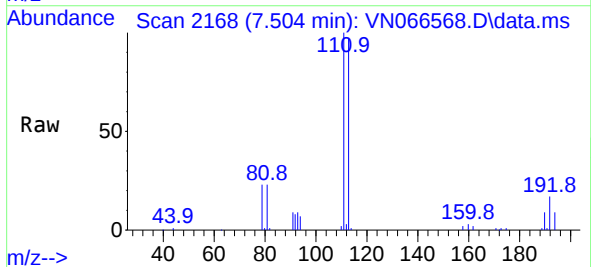
Instrument :
MSVOA_N
ClientSampled :
IBLK

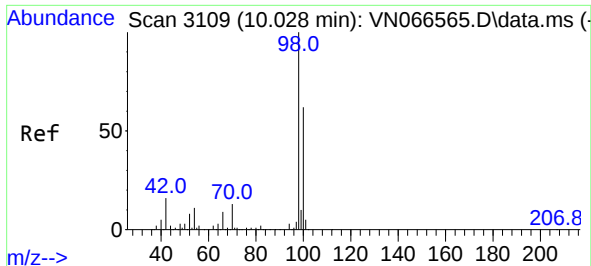
Tgt Ion:114 Resp: 246451
Ion Ratio Lower Upper
114 100
63 25.4 0.0 46.2
88 16.4 0.0 32.2



#35
Dibromofluoromethane
Concen: 48.76 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. 0.000 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion:113 Resp: 89532
Ion Ratio Lower Upper
113 100
111 102.1 80.9 121.3
192 17.6 14.7 22.1

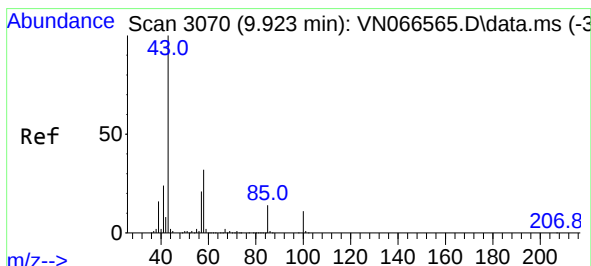
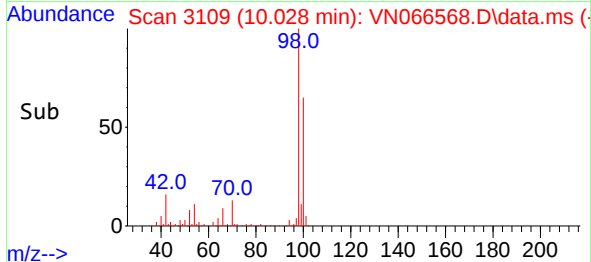
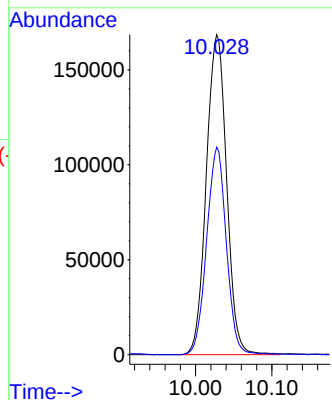
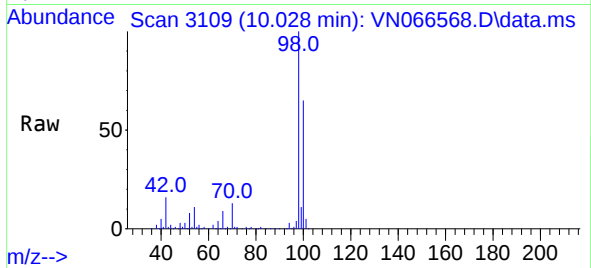




#50
Toluene-d8
Concen: 45.45 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. 0.000 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

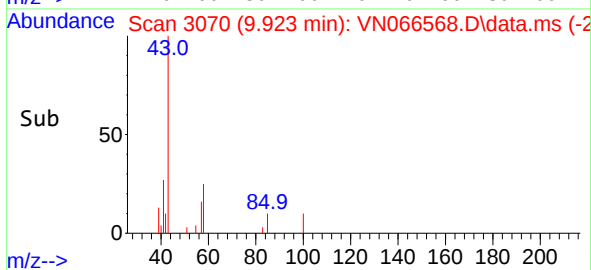
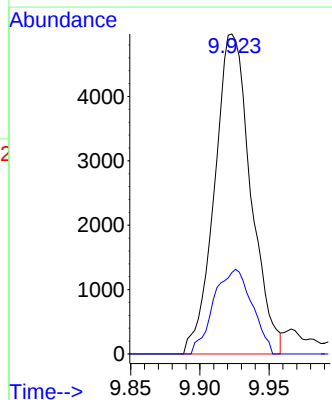
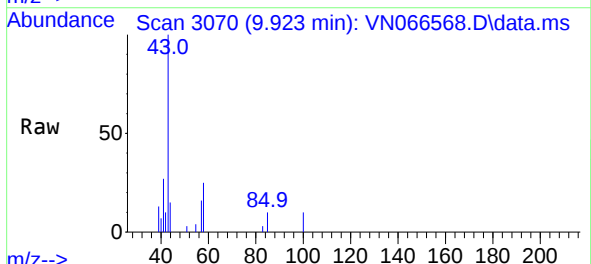
Instrument :
MSVOA_N
ClientSampled :
IBLK

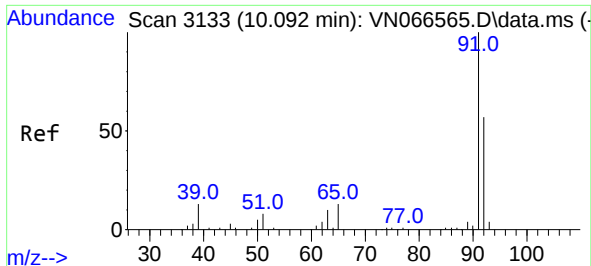
Tgt Ion: 98 Resp: 311420
Ion Ratio Lower Upper
98 100
100 62.9 49.9 74.9



#51
4-Methyl-2-Pentanone
Concen: 2.36 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion: 43 Resp: 9046
Ion Ratio Lower Upper
43 100
58 28.0 26.3 39.5

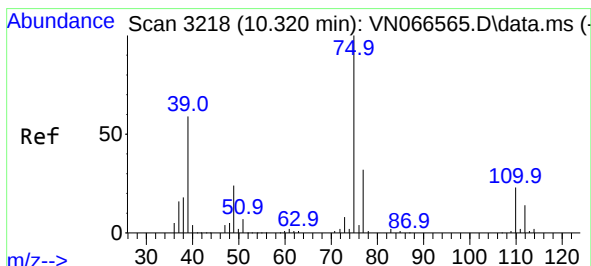
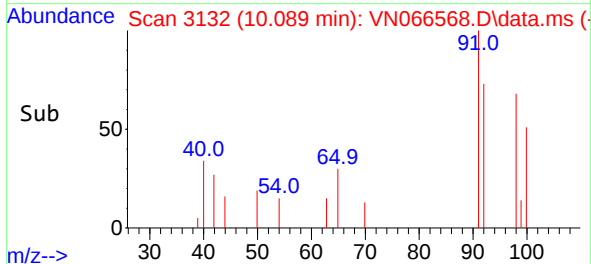
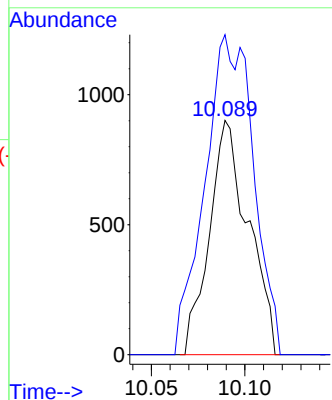
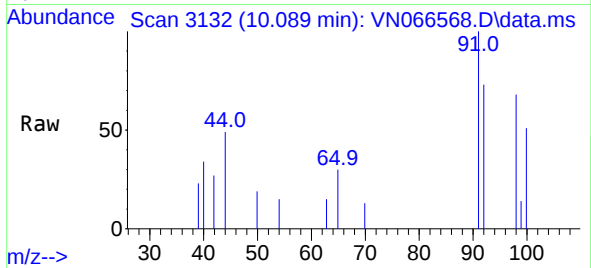




#52
Toluene
Concen: 0.26 ug/l
RT: 10.089 min Scan# 3132
Delta R.T. -0.003 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

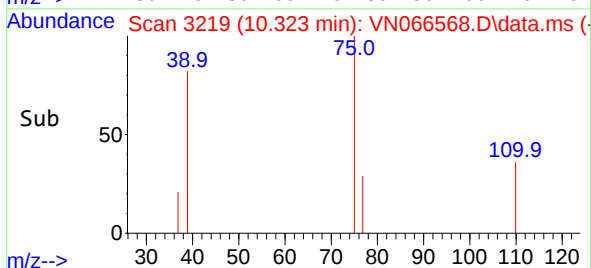
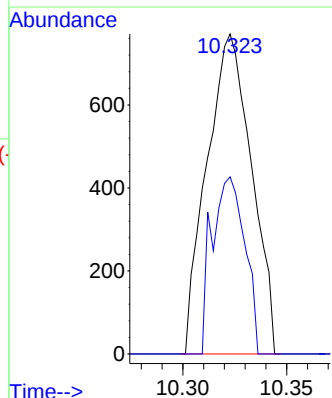
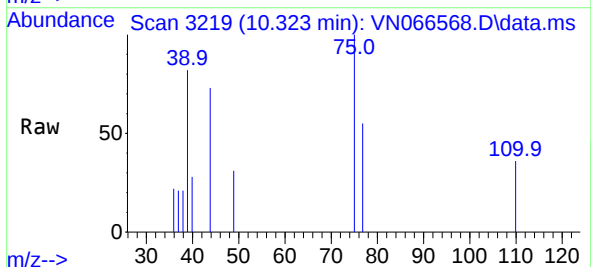
Instrument :
MSVOA_N
ClientSampled :
IBLK

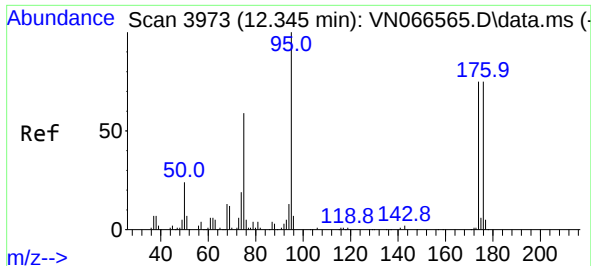
Tgt Ion: 92 Resp: 1304
Ion Ratio Lower Upper
92 100
91 171.0 140.1 210.1



#53
t-1,3-Dichloropropene
Concen: 0.35 ug/l
RT: 10.323 min Scan# 3219
Delta R.T. 0.003 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion: 75 Resp: 1152
Ion Ratio Lower Upper
75 100
77 55.4 25.3 37.9#



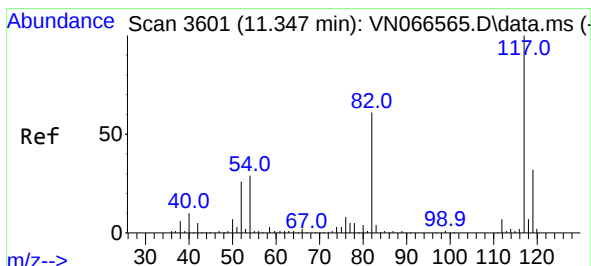
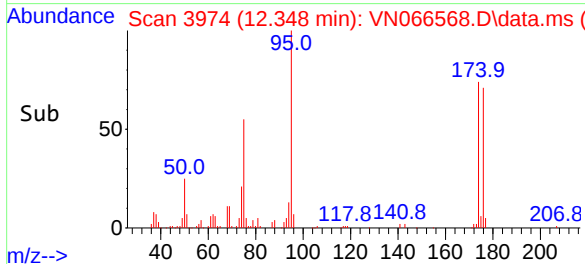
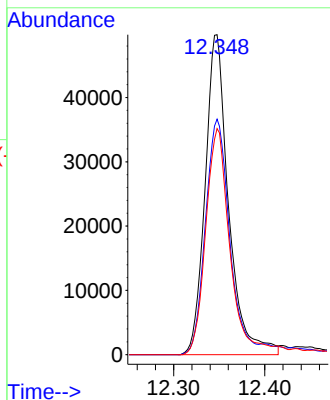
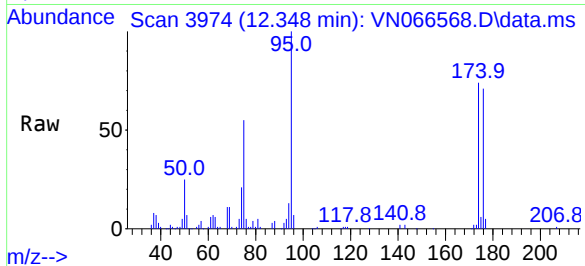


#62
4-Bromofluorobenzene
Concen: 35.43 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 88978

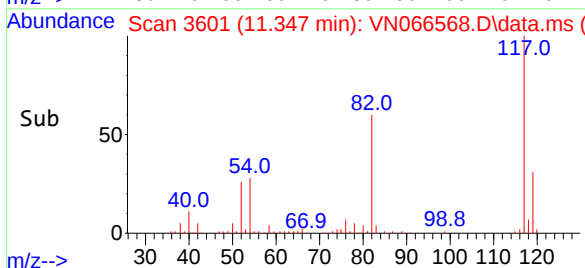
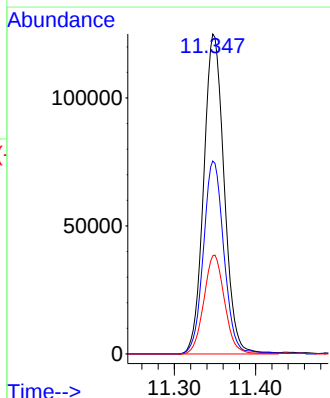
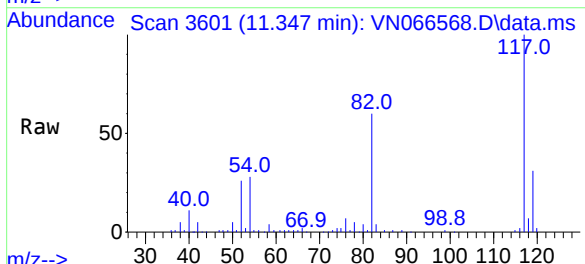
Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	155.4
176	72.5	0.0	145.6

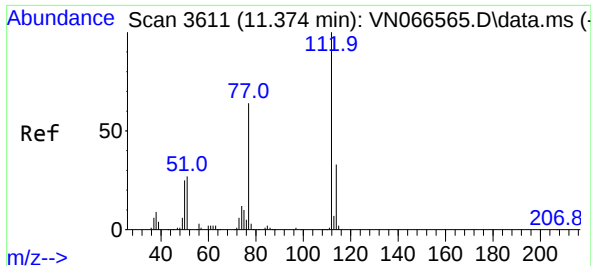


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion: 117 Resp: 218711

Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.6	72.8
119	30.7	25.2	37.8

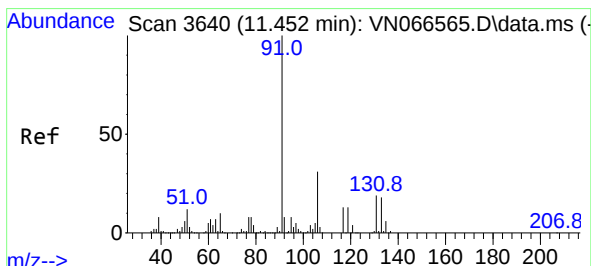
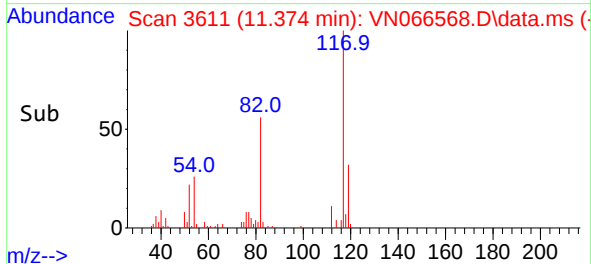
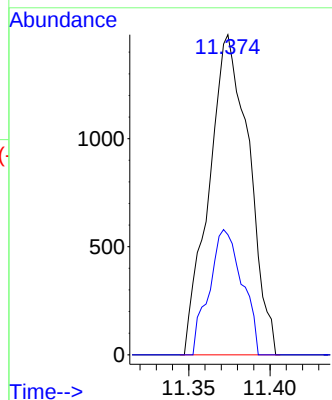
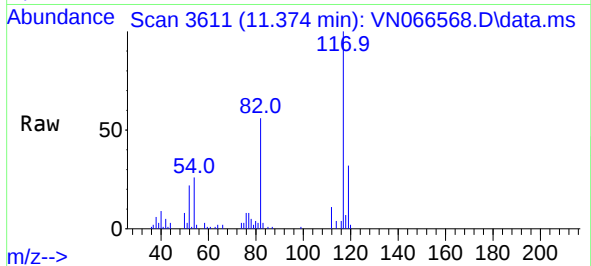




#65
Chlorobenzene
Concen: 0.52 ug/l
RT: 11.374 min Scan# 3611
Delta R.T. 0.000 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

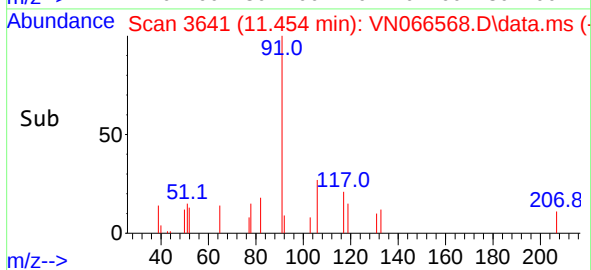
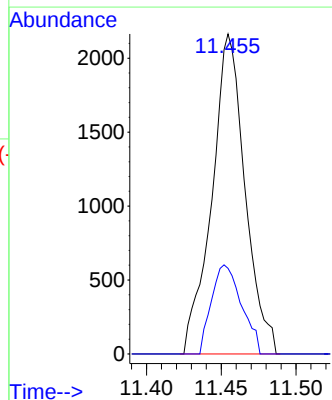
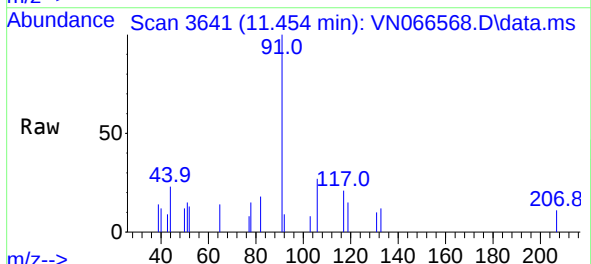
Instrument :
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IBLK

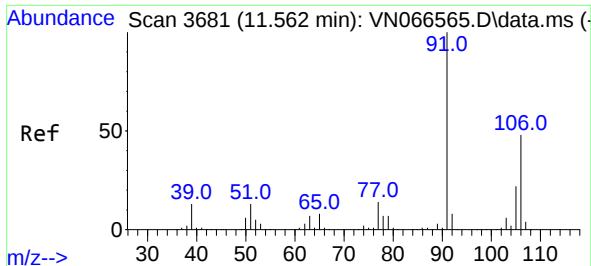
Tgt Ion:112 Resp: 2542
Ion Ratio Lower Upper
112 100
114 37.5 26.5 39.7



#67
Ethyl Benzene
Concen: 0.38 ug/l
RT: 11.454 min Scan# 3641
Delta R.T. 0.003 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion: 91 Resp: 3343
Ion Ratio Lower Upper
91 100
106 26.8 24.7 37.1

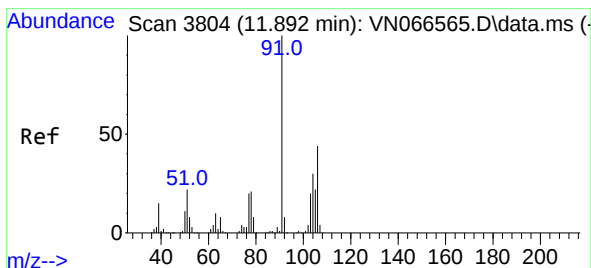
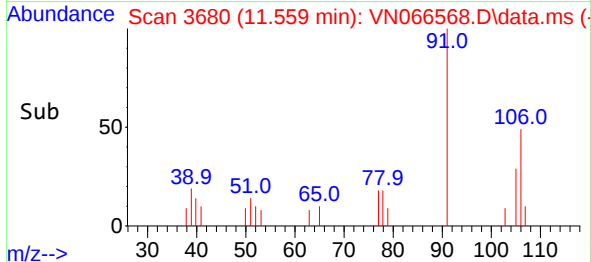
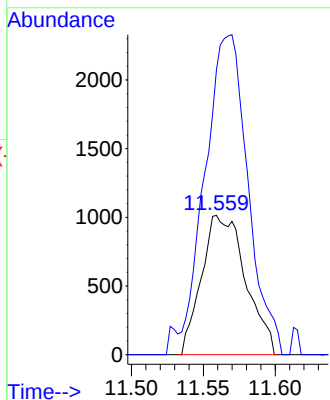
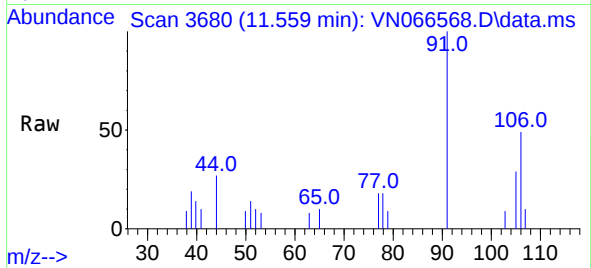




#68
m/p-Xylenes
Concen: 0.69 ug/l
RT: 11.559 min Scan# 3680
Delta R.T. -0.003 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

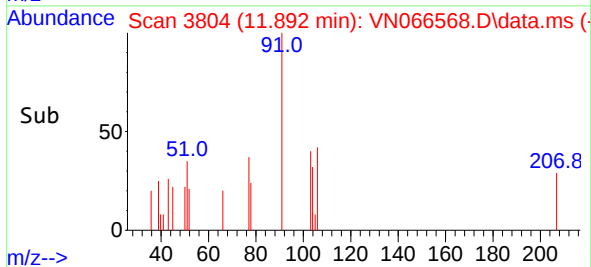
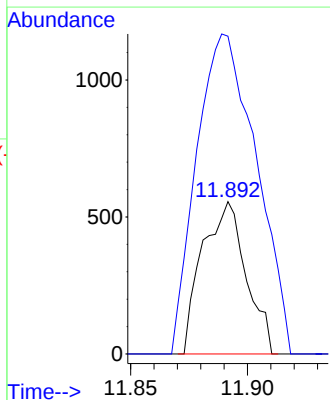
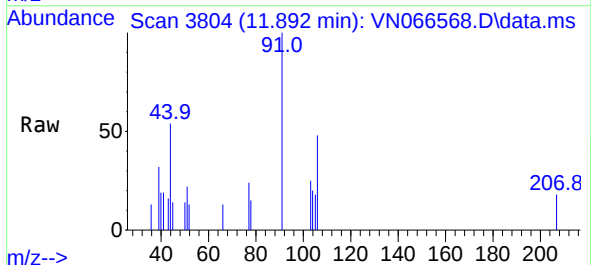
Instrument :
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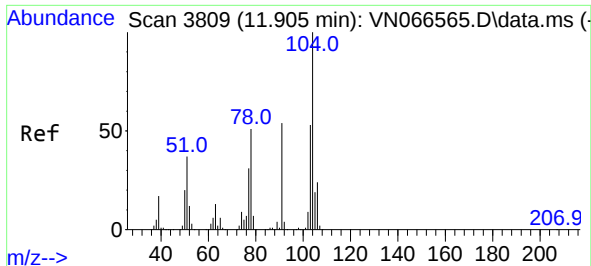
Tgt Ion:106 Resp: 2164
Ion Ratio Lower Upper
106 100
91 223.4 169.5 254.3



#69
o-Xylene
Concen: 0.25 ug/l
RT: 11.892 min Scan# 3804
Delta R.T. 0.000 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

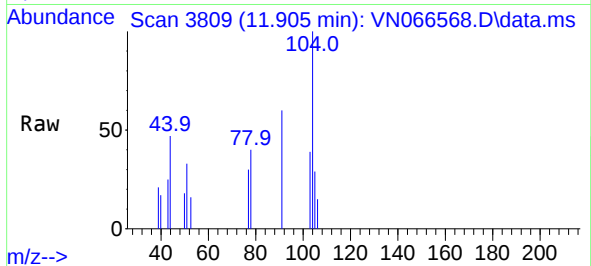
Tgt Ion:106 Resp: 724
Ion Ratio Lower Upper
106 100
91 286.9 115.1 345.2



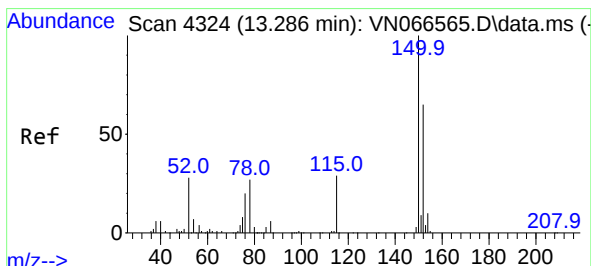
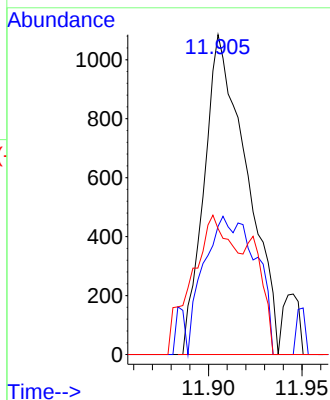
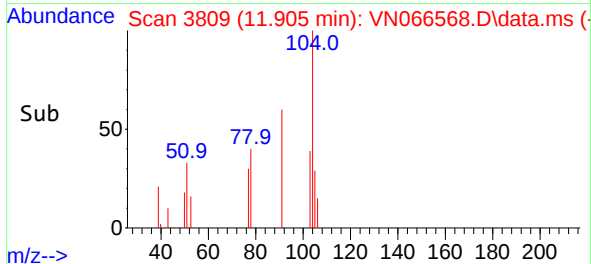


#70
Styrene
Concen: 3.24 ug/l
RT: 11.905 min Scan# 3809
Delta R.T. 0.000 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

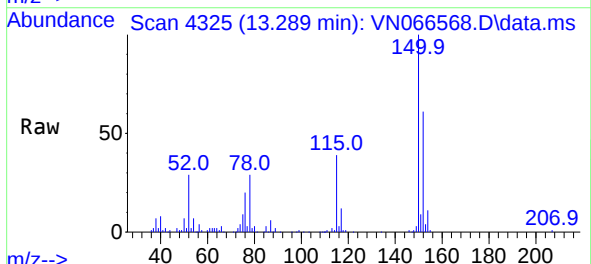
Instrument :
MSVOA_N
ClientSampled :
IBLK



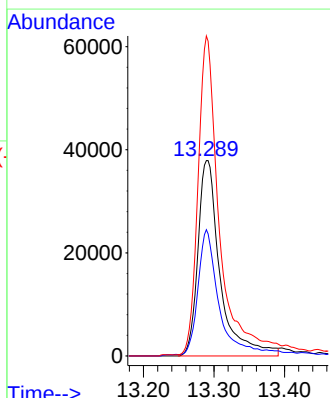
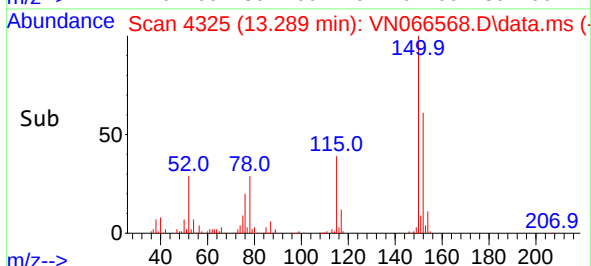
Tgt Ion:104 Resp: 1727
Ion Ratio Lower Upper
104 100
78 29.8 44.6 67.0#
103 44.9 45.5 68.3#

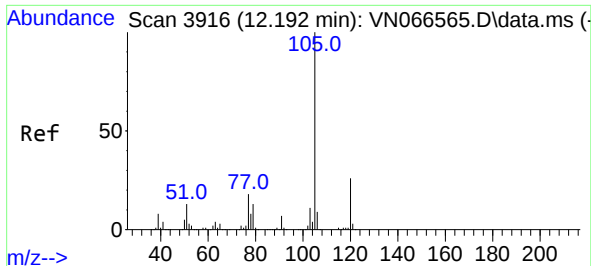


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33



Tgt Ion:152 Resp: 83161
Ion Ratio Lower Upper
152 100
115 58.2 29.3 87.8
150 156.5 0.0 347.0

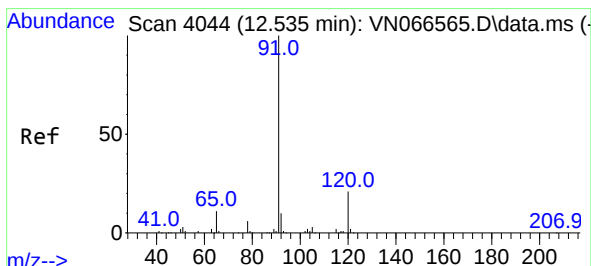
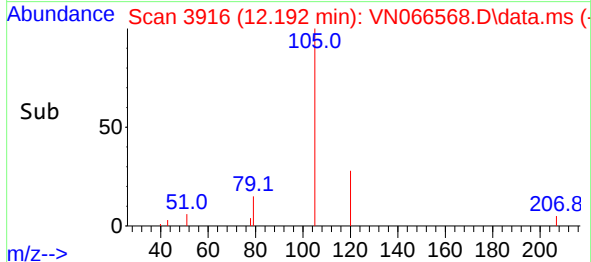
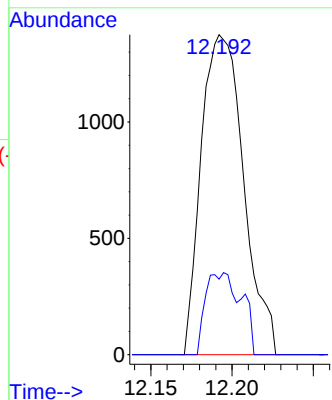
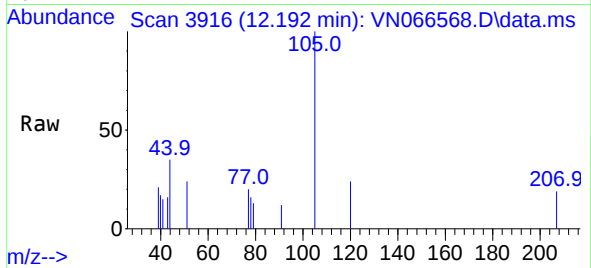




#73
Isopropylbenzene
Concen: 0.38 ug/l
RT: 12.192 min Scan# 3916
Delta R.T. 0.000 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

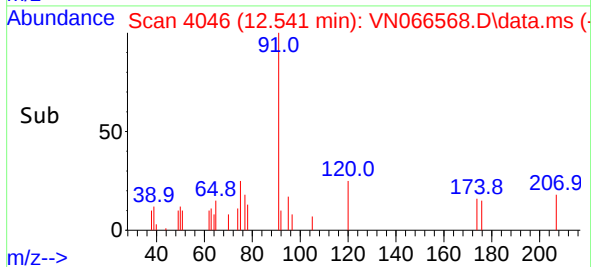
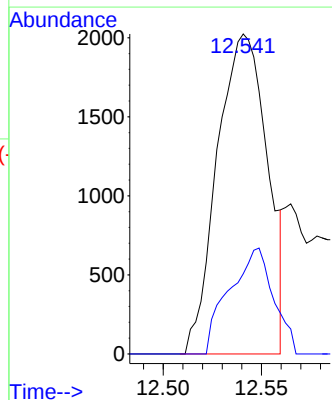
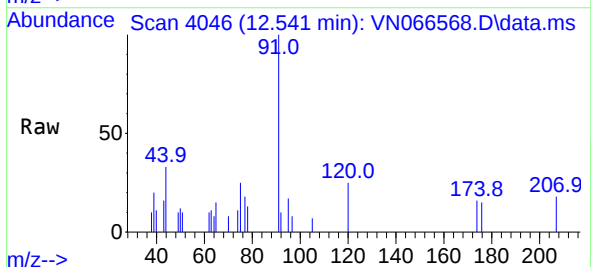
Instrument :
MSVOA_N
ClientSampled :
IBLK

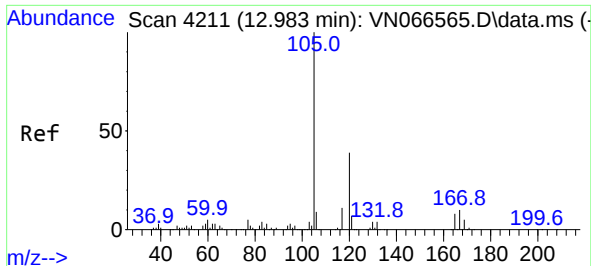
Tgt Ion:105 Resp: 2495
Ion Ratio Lower Upper
105 100
120 16.9 13.0 39.0



#78
n-propylbenzene
Concen: 0.46 ug/l
RT: 12.541 min Scan# 4046
Delta R.T. 0.005 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion: 91 Resp: 3587
Ion Ratio Lower Upper
91 100
120 29.1 10.7 32.1

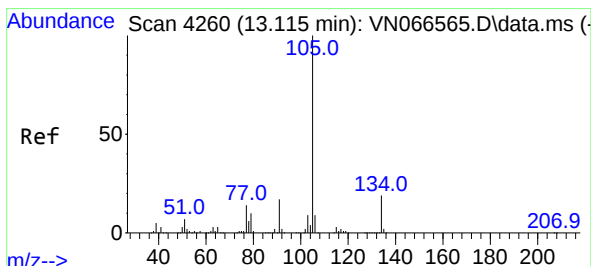
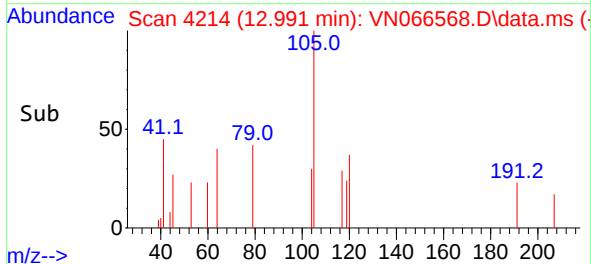
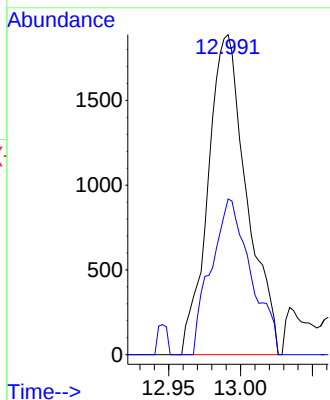
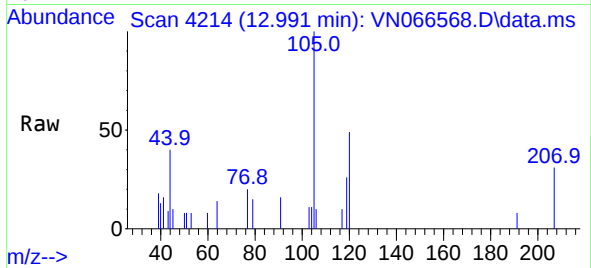




#84
1,2,4-Trimethylbenzene
Concen: 0.67 ug/l
RT: 12.991 min Scan# 4214
Delta R.T. 0.008 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

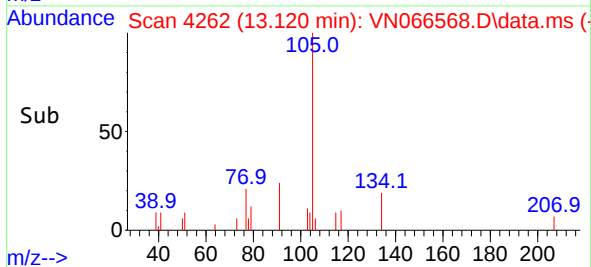
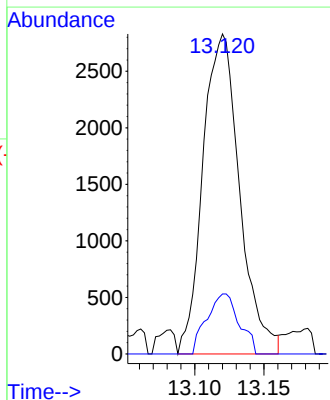
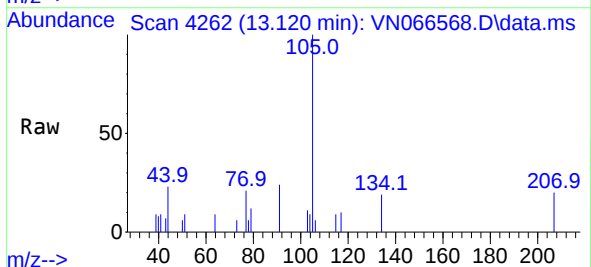
Instrument :
MSVOA_N
ClientSampled :
IBLK

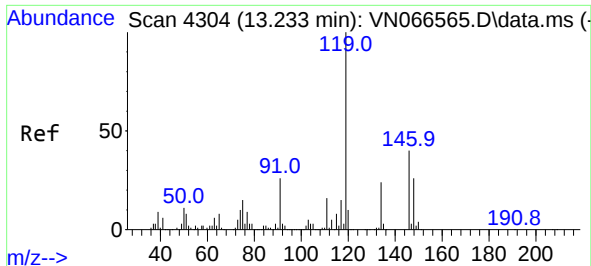
Tgt Ion:105 Resp: 3537
Ion Ratio Lower Upper
105 100
120 49.7 22.1 66.3



#85
sec-Butylbenzene
Concen: 2.38 ug/l
RT: 13.120 min Scan# 4262
Delta R.T. 0.005 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion:105 Resp: 5217
Ion Ratio Lower Upper
105 100
134 16.5 9.5 28.5

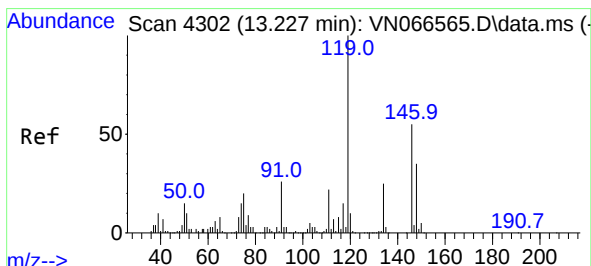
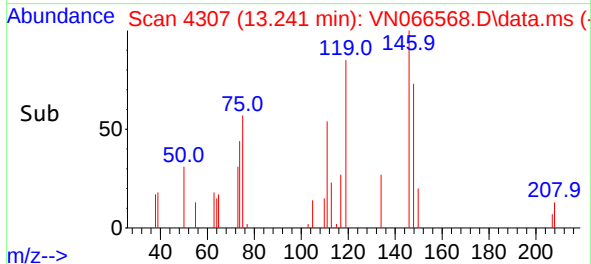
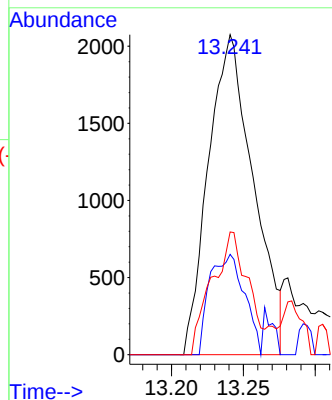
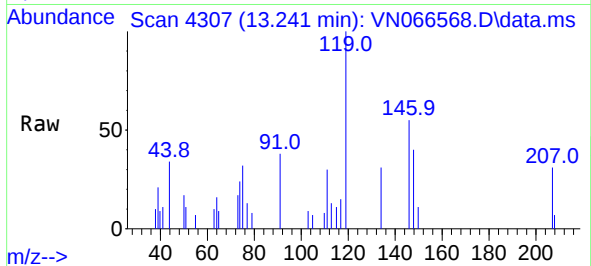




#86
p-Isopropyltoluene
Concen: 2.69 ug/l
RT: 13.241 min Scan# 4307
Delta R.T. 0.008 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

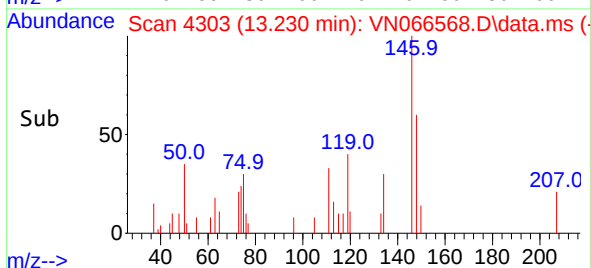
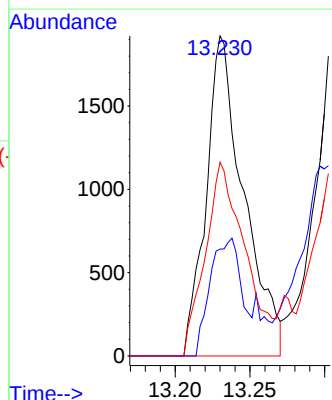
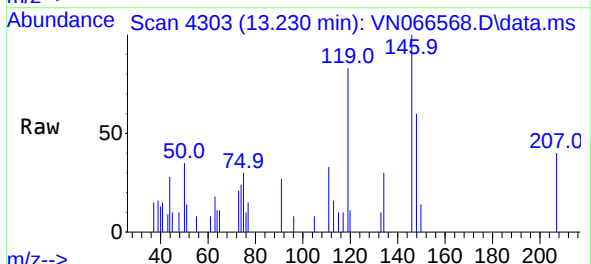
Instrument :
MSVOA_N
ClientSampled :
IBLK

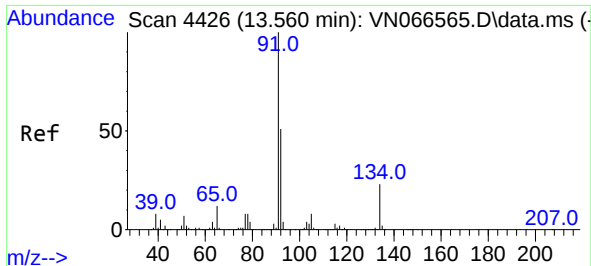
Tgt Ion:	119	Resp:	4509
Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.4	37.2
91	30.9	12.9	38.7



#87
1,3-Dichlorobenzene
Concen: 1.75 ug/l
RT: 13.230 min Scan# 4303
Delta R.T. 0.003 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion:	146	Resp:	3366
Ion	Ratio	Lower	Upper
146	100		
111	31.0	20.4	61.2
148	64.6	31.6	94.8

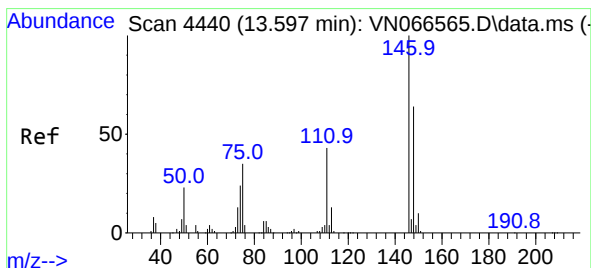
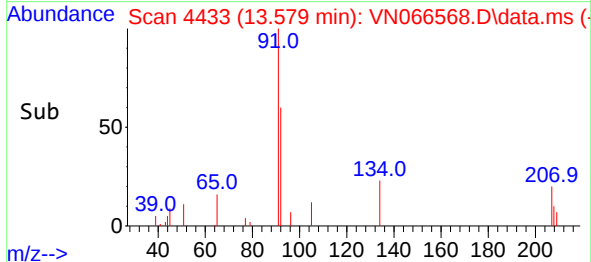
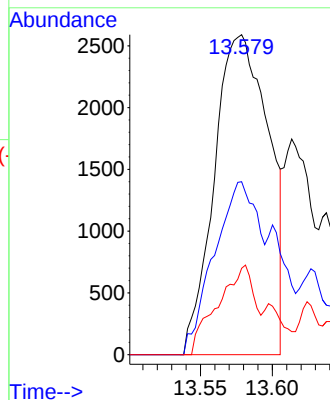
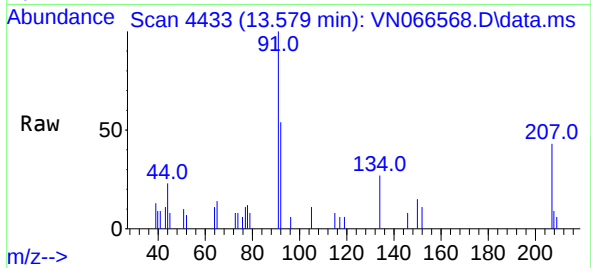




#89
n-Butylbenzene
Concen: 4.09 ug/l
RT: 13.579 min Scan# 4433
Delta R.T. 0.019 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

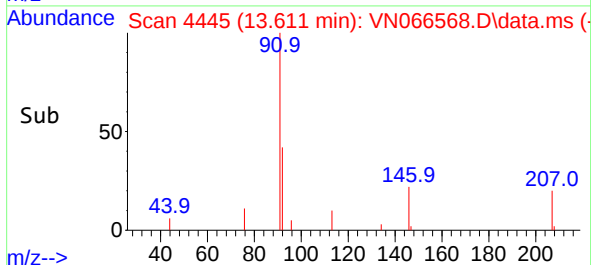
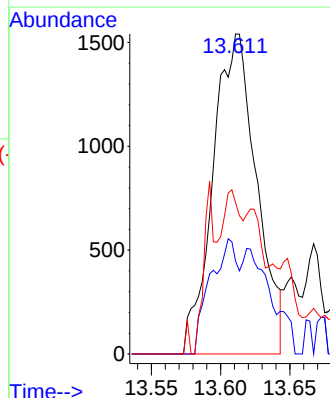
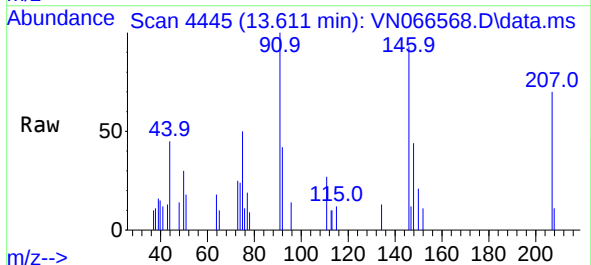
Instrument :
MSVOA_N
ClientSampled :
IBLK

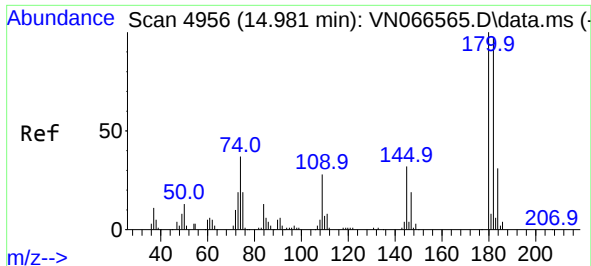
Tgt Ion: 91 Resp: 6794
Ion Ratio Lower Upper
91 100
92 44.7 24.9 74.6
134 19.1 11.5 34.5



#91
1,2-Dichlorobenzene
Concen: 1.62 ug/l
RT: 13.611 min Scan# 4445
Delta R.T. 0.014 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion: 146 Resp: 3373
Ion Ratio Lower Upper
146 100
111 22.6 21.9 65.5
148 9.1 31.3 93.8#

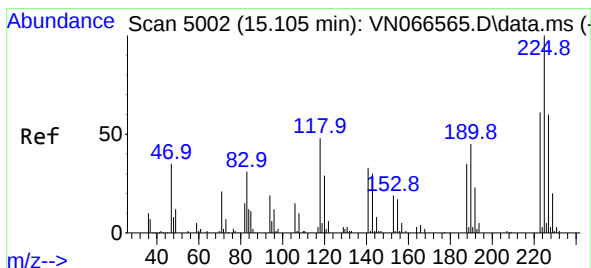
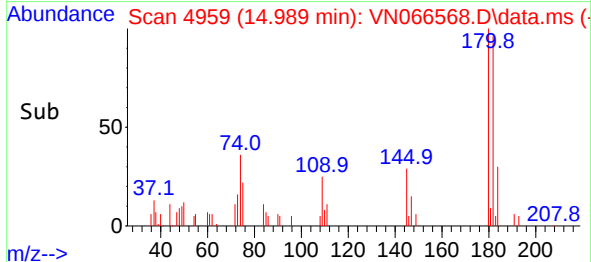
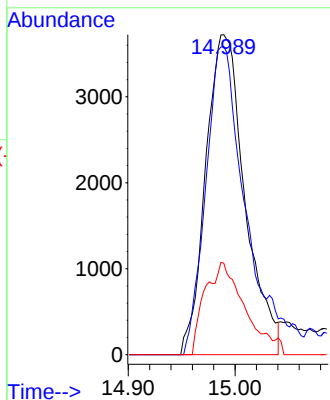
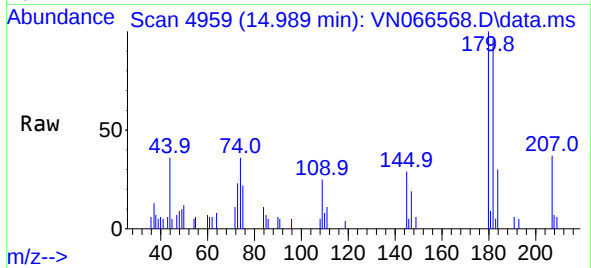




#93
1,2,4-Trichlorobenzene
Concen: 7.97 ug/l
RT: 14.989 min Scan# 4959
Delta R.T. 0.008 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

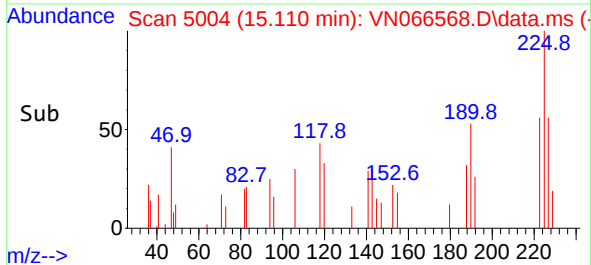
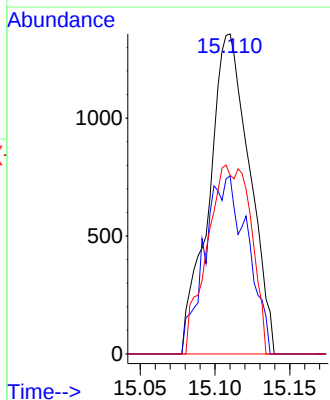
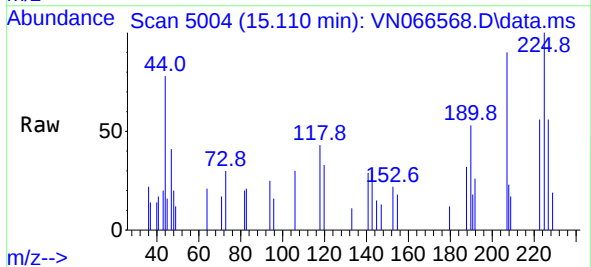
Instrument :
MSVOA_N
ClientSampled :
IBLK

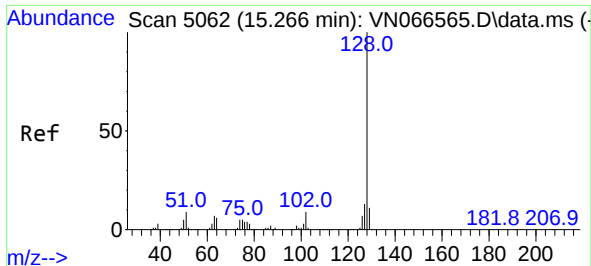
Tgt Ion:180 Resp: 9488
Ion Ratio Lower Upper
180 100
182 97.2 46.3 138.8
145 29.5 15.9 47.7



#94
Hexachlorobutadiene
Concen: 2.81 ug/l
RT: 15.110 min Scan# 5004
Delta R.T. 0.005 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion:225 Resp: 2570
Ion Ratio Lower Upper
225 100
223 58.9 31.4 94.2
227 39.9 31.1 93.2

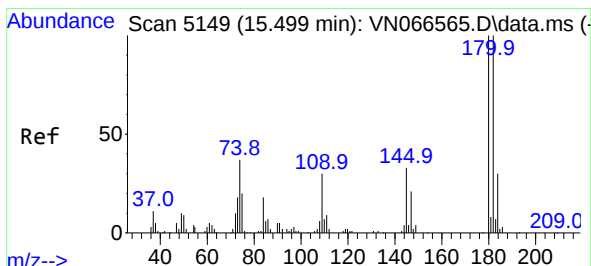
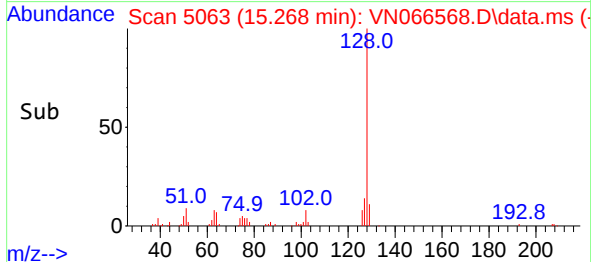
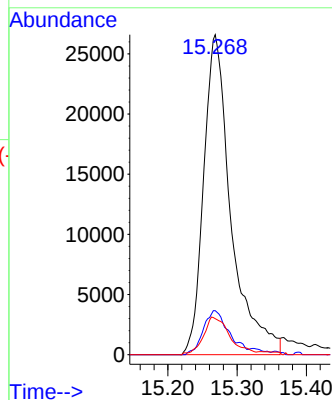
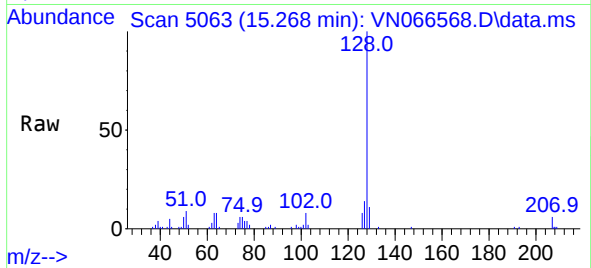




#95
Naphthalene
Concen: 18.38 ug/l
RT: 15.268 min Scan# 5063
Delta R.T. 0.002 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tgt Ion:	128	Resp:	73055
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	11.3	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 10.20 ug/l
RT: 15.502 min Scan# 5150
Delta R.T. 0.003 min
Lab File: VN066568.D
Acq: 9 Apr 2021 20:33

Tgt Ion:	180	Resp:	13216
Ion Ratio	Lower	Upper	
180	100		
182	102.7	48.7	146.1
145	32.2	16.8	50.3

