

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066578.D
 Acq On : 13 Apr 2021 14:30
 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 14 02:24:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 13 16:46:30 2021
 Response via : Initial Calibration

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

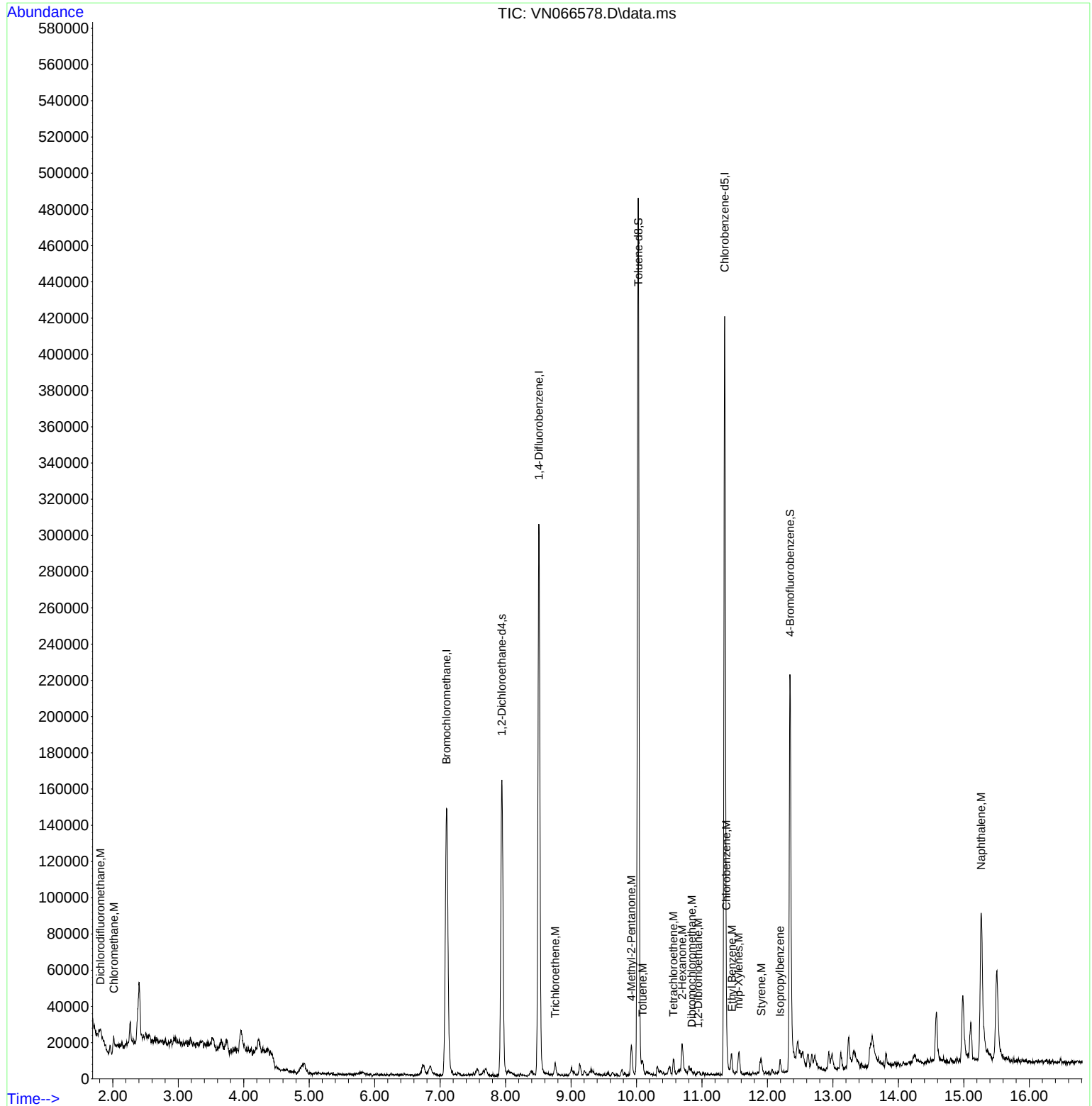
Internal Standards						
1) Bromochloromethane	7.099	128	48861	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.510	114	230707	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	212690	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.944	65	137084	30.62	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.07%			
60) 4-Bromofluorobenzene	12.347	95	75700	22.15	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 73.83%			
63) Toluene-d8	10.028	98	306340	30.44	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.47%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.813	85	1340	0.37	ug/l	87
3) Chloromethane	2.017	50	5384	1.10	ug/l	93
37) Trichloroethene	8.759	130	1617	0.52	ug/l #	65
53) Dibromochloromethane	10.846	129	976	0.26	ug/l	87
54) 1,2-Dibromoethane	10.945	107	807	0.24	ug/l #	77
58) 4-Methyl-2-Pentanone	9.920	43	12612	2.43	ug/l #	89
59) 2-Hexanone	10.698	43	13420	3.80	ug/l	91
61) Tetrachloroethene	10.564	164	1335	0.52	ug/l #	87
62) Toluene	10.095	91	4001	0.30	ug/l #	76
64) Chlorobenzene	11.371	112	4236	0.55	ug/l	92
66) Ethyl Benzene	11.457	91	4974	0.35	ug/l	95
67) m/p-Xylenes	11.559	106	3484	0.65	ug/l #	57
69) Styrene	11.908	104	2605	0.31	ug/l #	72
70) Isopropylbenzene	12.192	105	3762	0.28	ug/l	98
91) Naphthalene	15.263	128	100170	11.32	ug/l	98

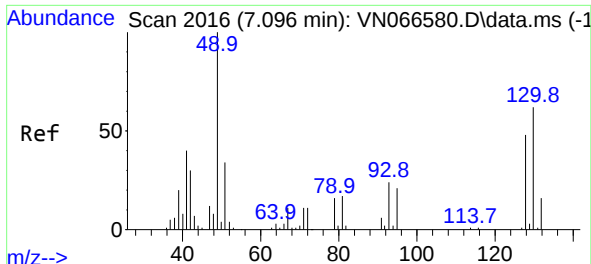
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041321W.M
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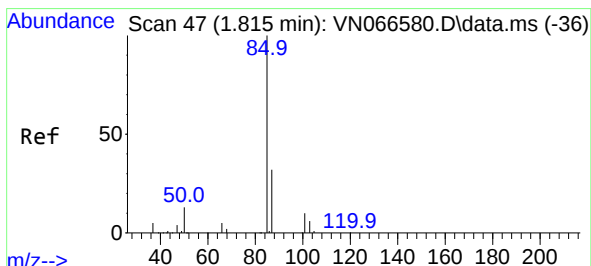
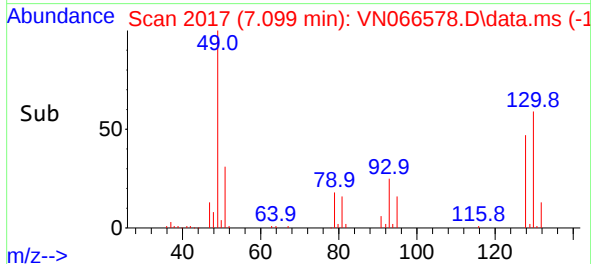
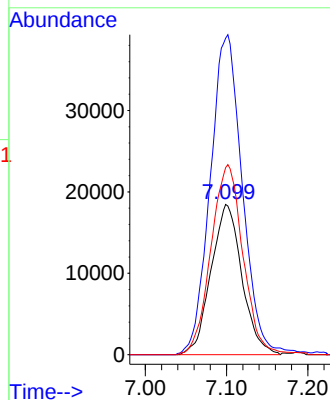
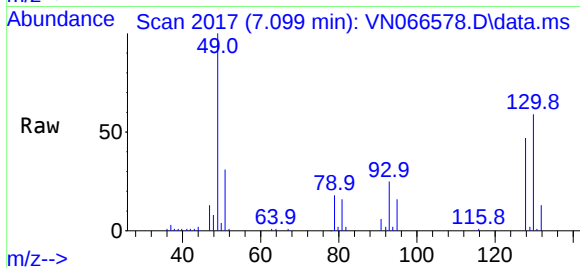




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.099 min Scan# 2017
Delta R.T. -0.008 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

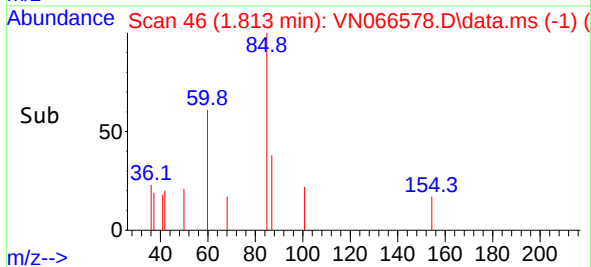
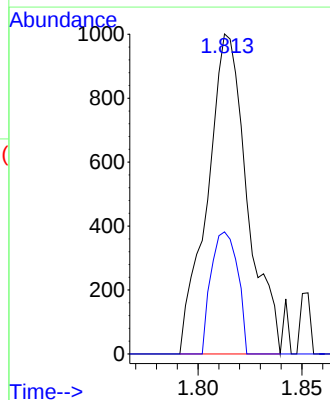
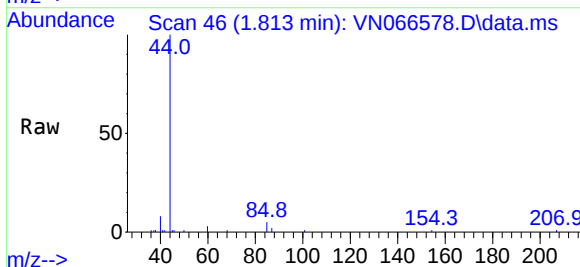
Instrument :
MSVOA_N
ClientSampleId :
IBLK

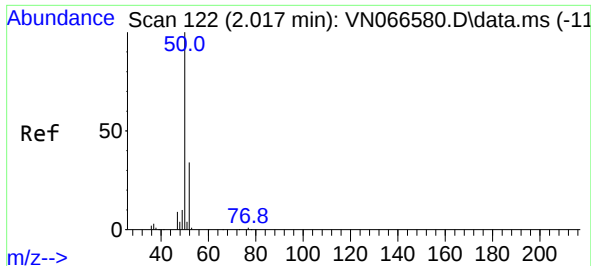
Tgt Ion:	128	Resp:	48861
Ion	Ratio	Lower	Upper
128	100		
49	219.1	0.0	429.3
130	131.0	0.0	328.5



#2
Dichlorodifluoromethane
Concen: 0.37 ug/l
RT: 1.813 min Scan# 46
Delta R.T. -0.005 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Tgt Ion:	85	Resp:	1340
Ion	Ratio	Lower	Upper
85	100		
87	38.2	15.4	46.4

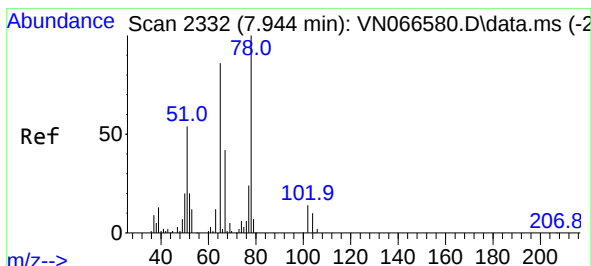
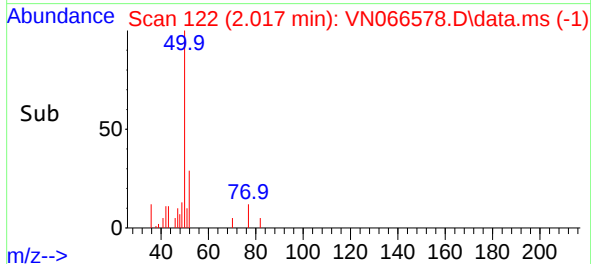
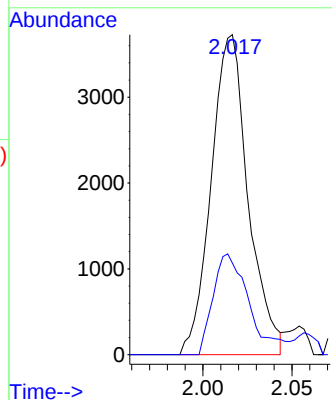
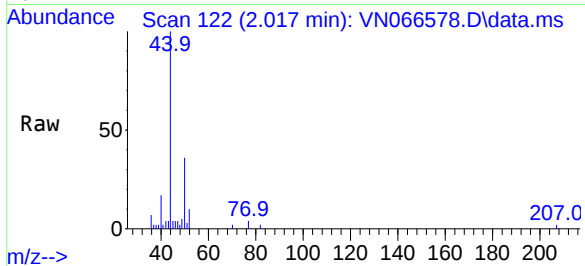




#3
Chloromethane
Concen: 1.10 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

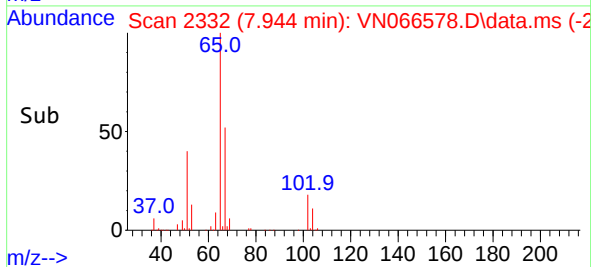
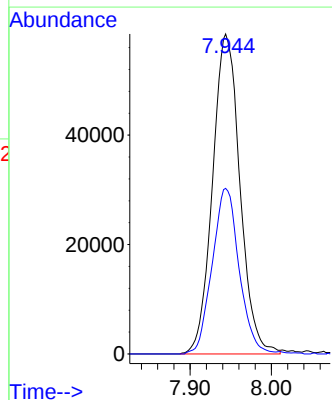
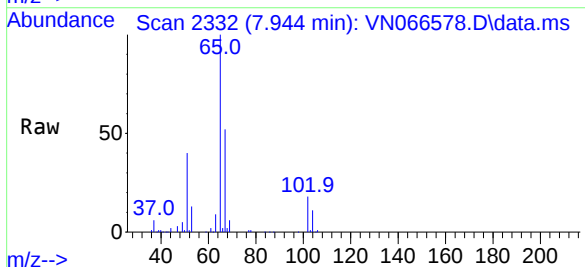
Instrument :
MSVOA_N
ClientSampleId :
IBLK

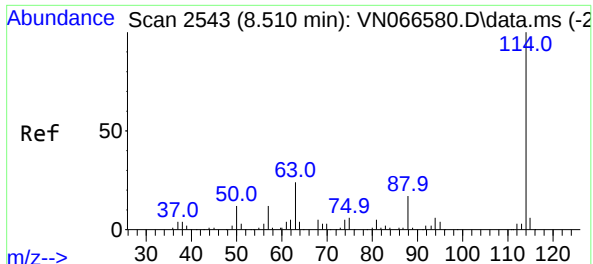
Tgt Ion: 50 Resp: 5384
Ion Ratio Lower Upper
50 100
52 28.6 26.2 39.4



#27
1,2-Dichloroethane-d4
Concen: 30.62 ug/l
RT: 7.944 min Scan# 2332
Delta R.T. -0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Tgt Ion: 65 Resp: 137084
Ion Ratio Lower Upper
65 100
67 50.8 42.2 63.4



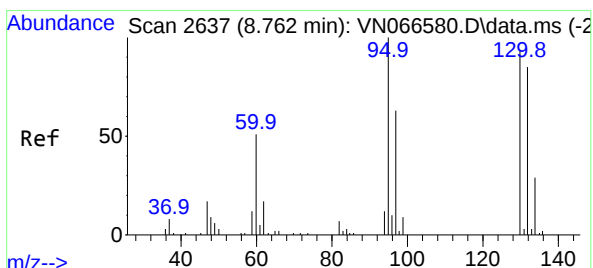
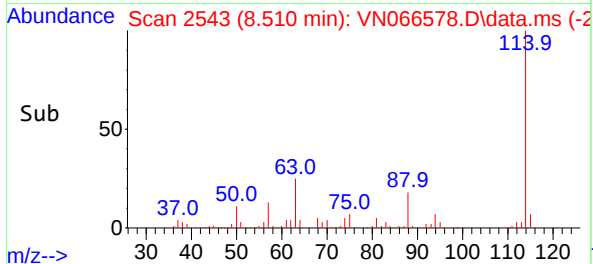
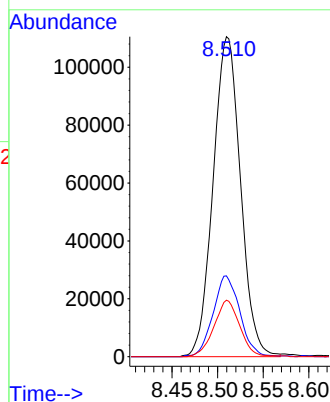
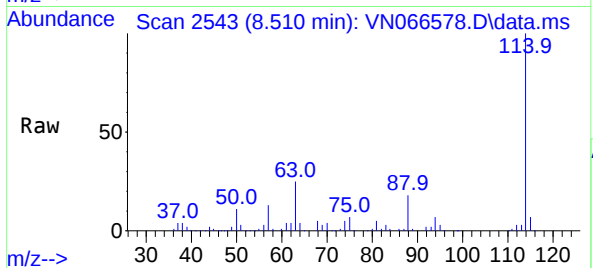


#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.510 min Scan# 2543
Delta R.T. -0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tgt Ion:114 Resp: 230707

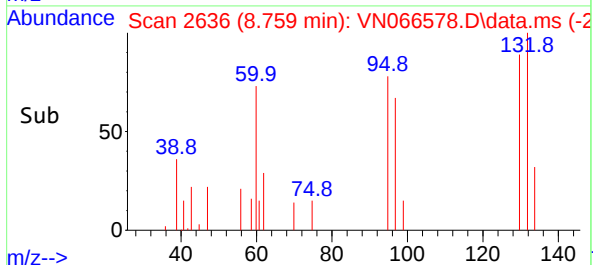
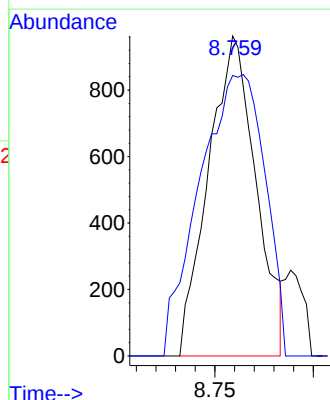
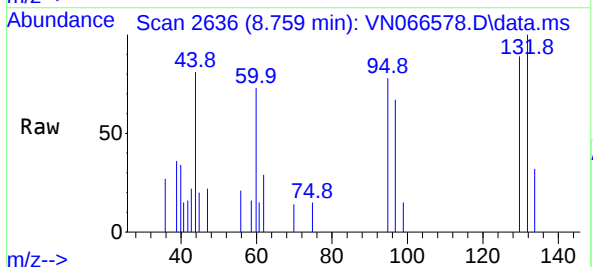
Ion	Ratio	Lower	Upper
114	100		
63	24.7	17.4	26.0
88	16.6	12.6	19.0

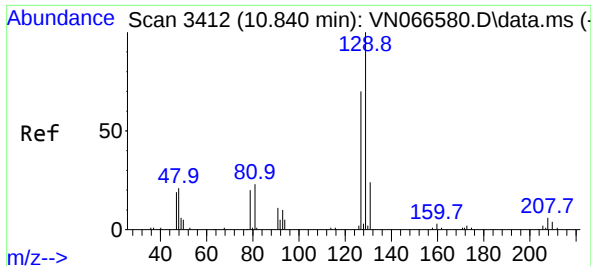


#37
Trichloroethene
Concen: 0.52 ug/l
RT: 8.759 min Scan# 2636
Delta R.T. -0.006 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Tgt Ion:130 Resp: 1617

Ion	Ratio	Lower	Upper
130	100		
95	65.4	80.7	121.1#

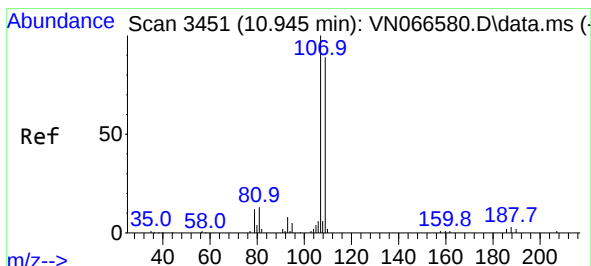
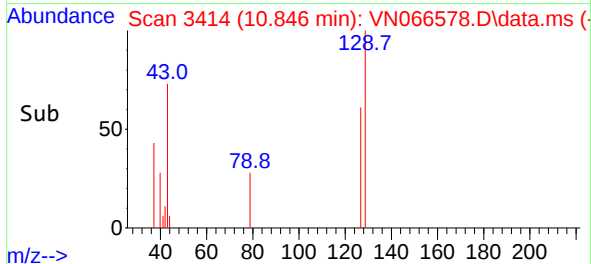
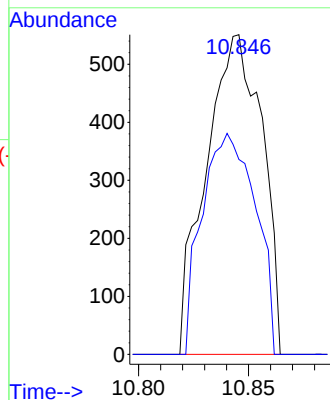
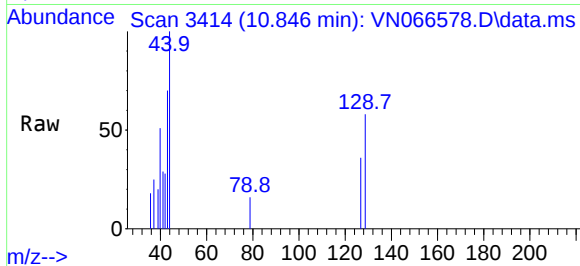




#53
Dibromochloromethane
Concen: 0.26 ug/l
RT: 10.846 min Scan# 3414
Delta R.T. 0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

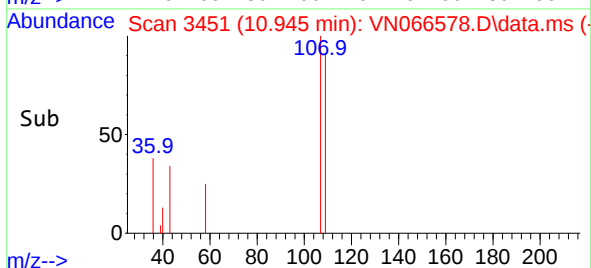
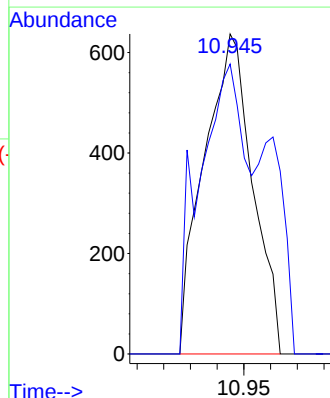
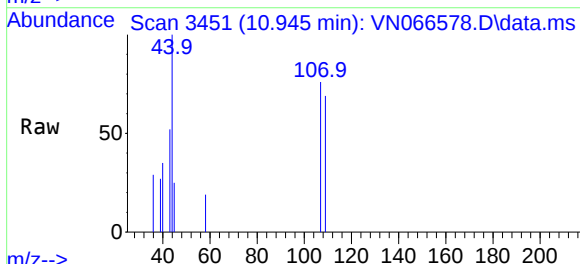
Instrument :
MSVOA_N
ClientSampled :
IBLK

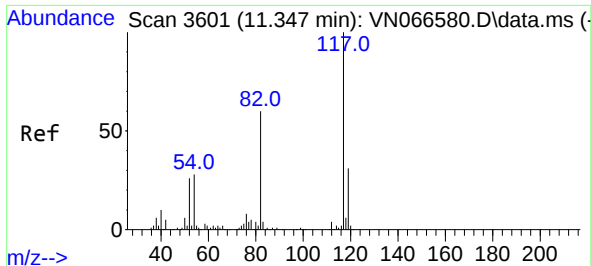
Tgt Ion:129 Resp: 976
Ion Ratio Lower Upper
129 100
127 66.1 38.6 115.7



#54
1,2-Dibromoethane
Concen: 0.24 ug/l
RT: 10.945 min Scan# 3451
Delta R.T. -0.000 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Tgt Ion:107 Resp: 807
Ion Ratio Lower Upper
107 100
109 72.0 75.8 113.6#

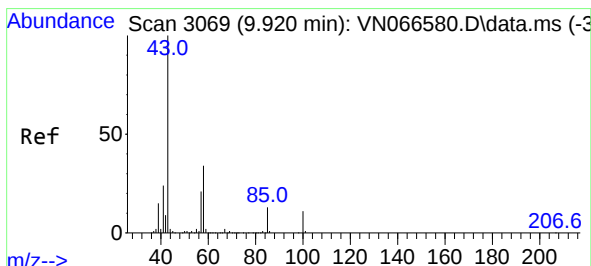
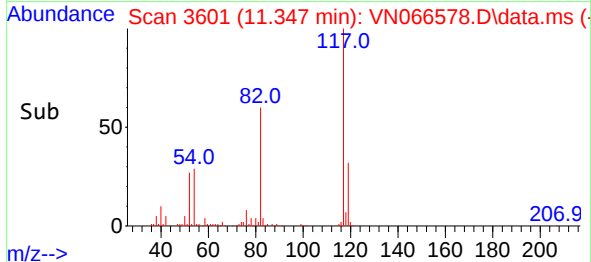
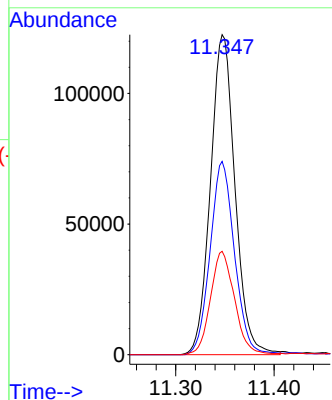
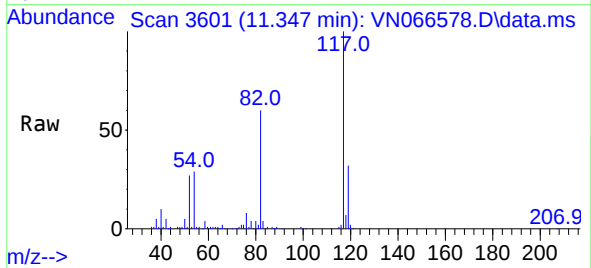




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

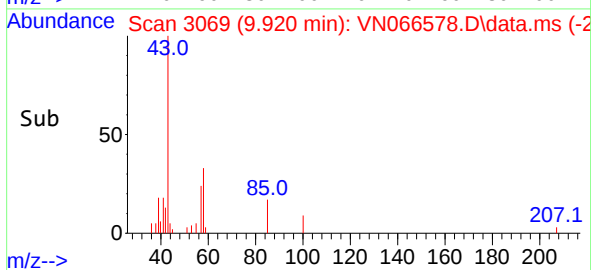
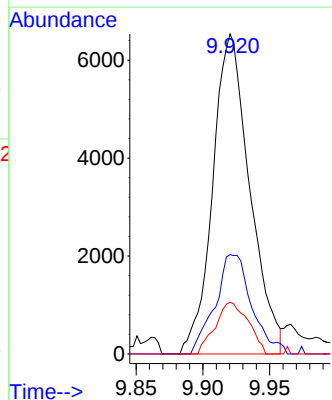
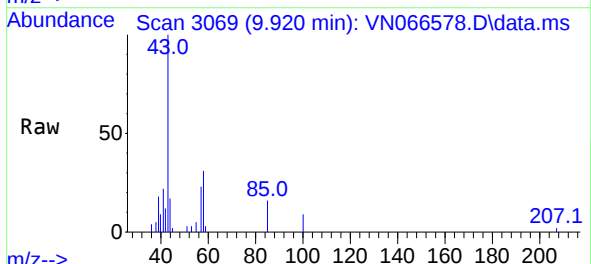
Instrument :
MSVOA_N
ClientSampled :
IBLK

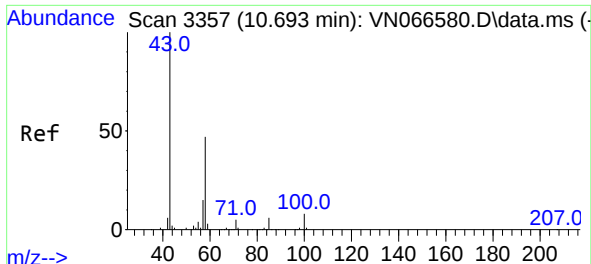
Tgt Ion:	117	Resp:	212690
Ion	Ratio	Lower	Upper
117	100		
82	60.1	45.0	67.6
119	31.7	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 2.43 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. 0.002 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Tgt Ion:	43	Resp:	12612
Ion	Ratio	Lower	Upper
43	100		
58	30.0	30.4	45.6
85	14.4	13.8	20.8

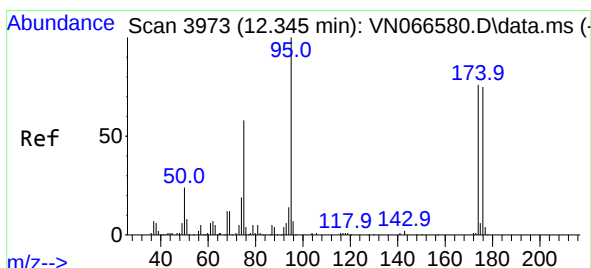
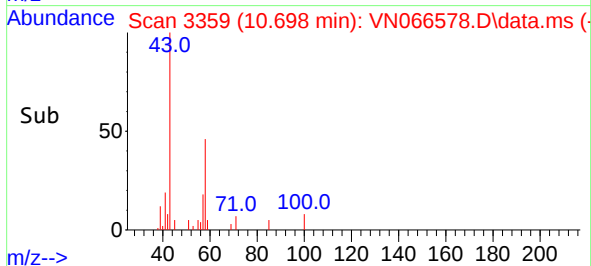
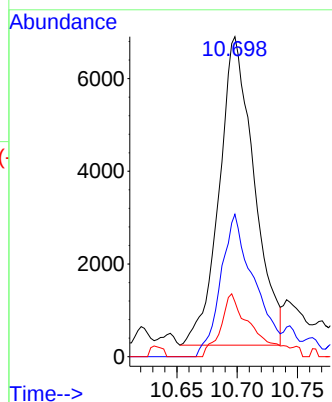
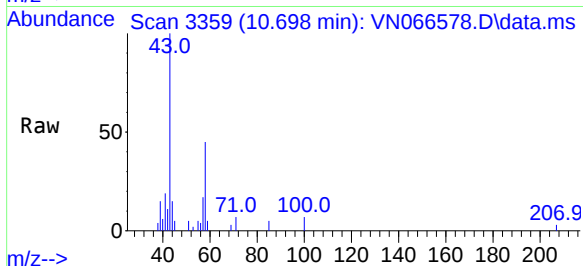




#59
2-Hexanone
Concen: 3.80 ug/l
RT: 10.698 min Scan# 3359
Delta R.T. 0.005 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

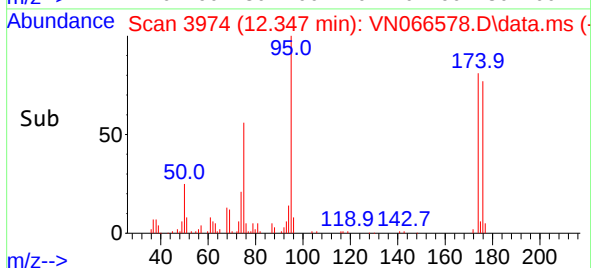
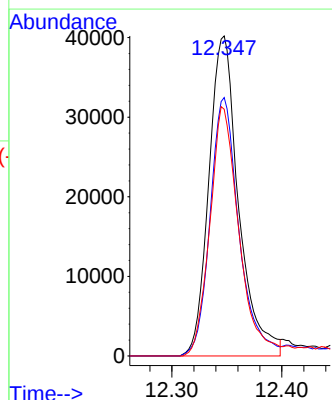
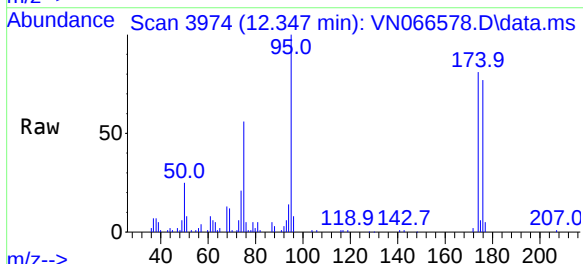
Instrument :
MSVOA_N
ClientSampled :
IBLK

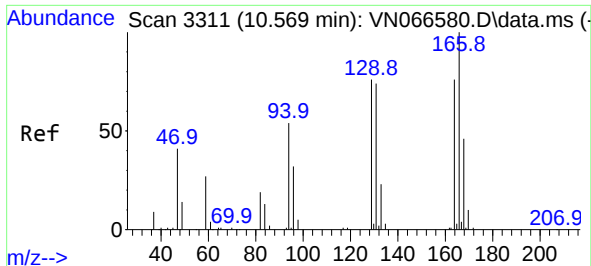
Tgt Ion:	43	Resp:	13420
Ion	Ratio	Lower	Upper
43	100		
58	44.5	41.8	62.6
57	17.5	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 22.15 ug/l
RT: 12.347 min Scan# 3974
Delta R.T. 0.002 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

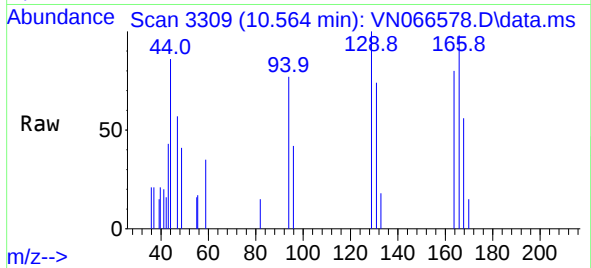
Tgt Ion:	95	Resp:	75700
Ion	Ratio	Lower	Upper
95	100		
174	78.3	68.1	102.1
176	75.9	65.4	98.0



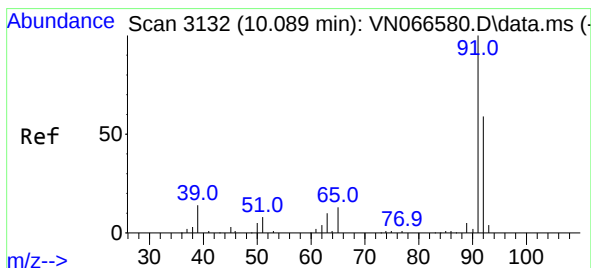
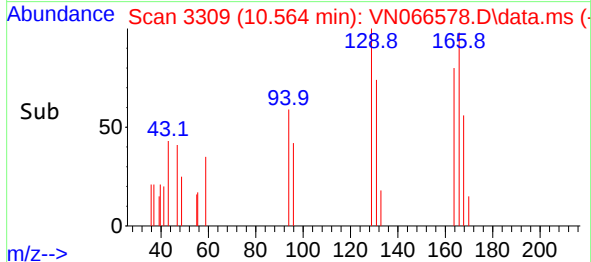
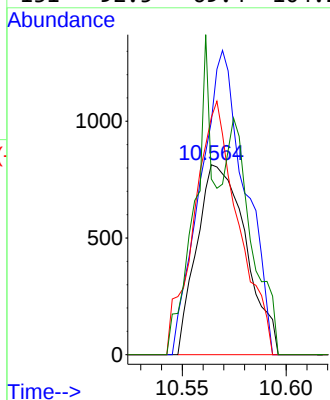


#61
Tetrachloroethene
Concen: 0.52 ug/l
RT: 10.564 min Scan# 3309
Delta R.T. -0.006 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Instrument :
MSVOA_N
ClientSampleId :
IBLK

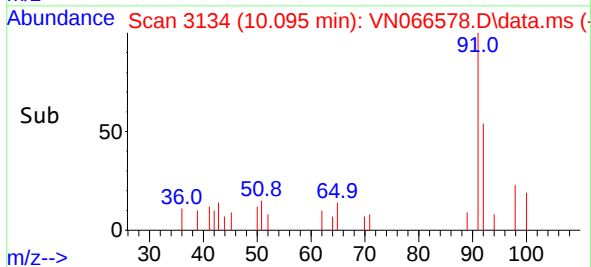
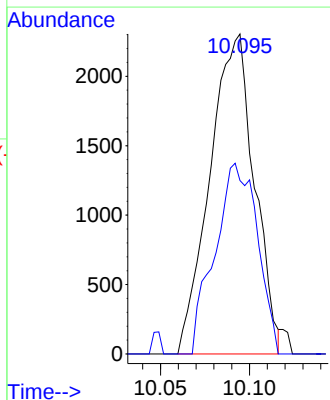
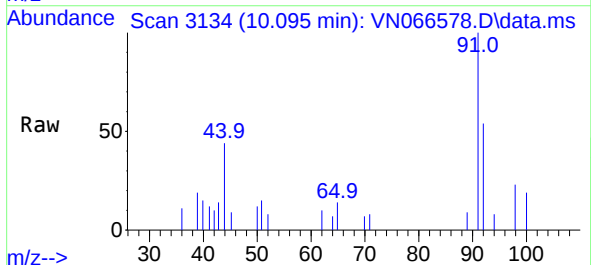


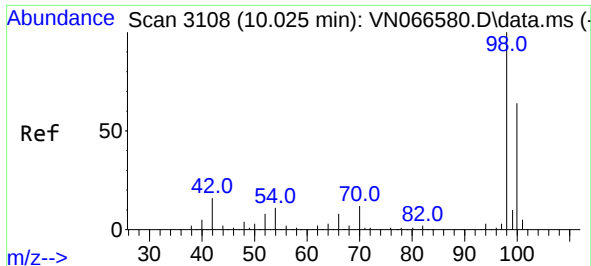
Tgt Ion:164 Resp: 1335
Ion Ratio Lower Upper
164 100
166 122.7 100.5 150.7
129 124.8 74.7 112.1#
131 92.5 69.4 104.2



#62
Toluene
Concen: 0.30 ug/l
RT: 10.095 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Tgt Ion: 91 Resp: 4001
Ion Ratio Lower Upper
91 100
92 40.1 46.2 69.2#

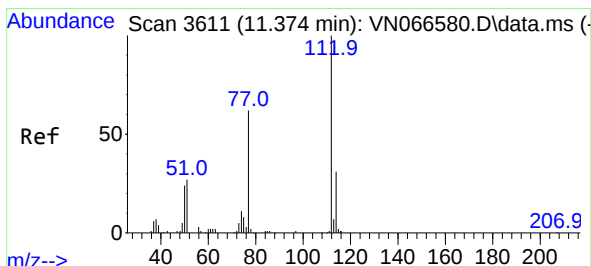
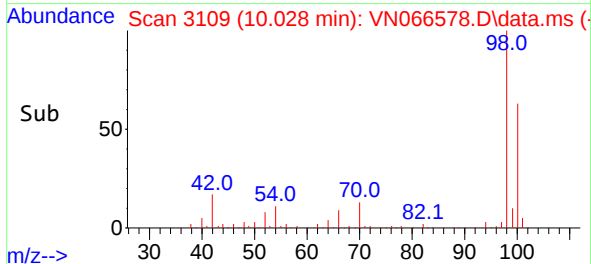
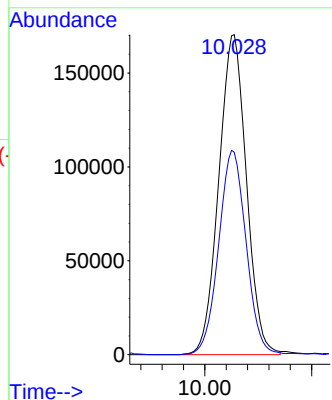
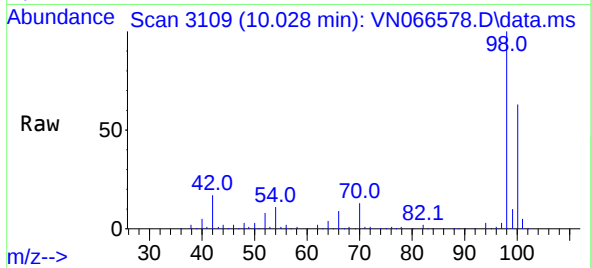




#63
Toluene-d8
Concen: 30.44 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. 0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

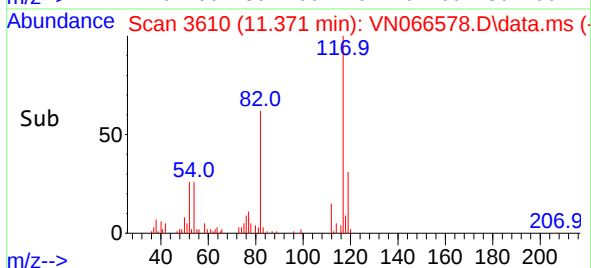
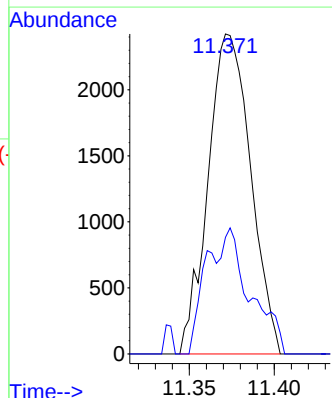
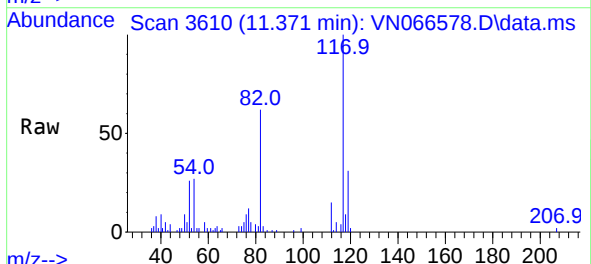
Instrument :
MSVOA_N
ClientSampled :
IBLK

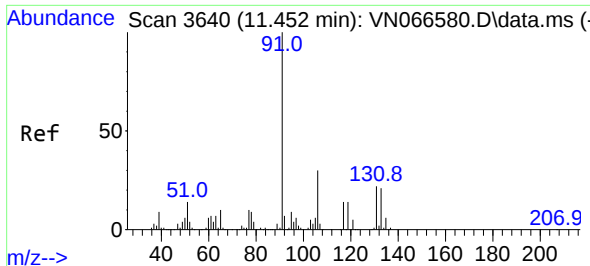
Tgt Ion: 98 Resp: 306340
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7



#64
Chlorobenzene
Concen: 0.55 ug/l
RT: 11.371 min Scan# 3610
Delta R.T. -0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Tgt Ion: 112 Resp: 4236
Ion Ratio Lower Upper
112 100
114 36.4 25.6 38.4

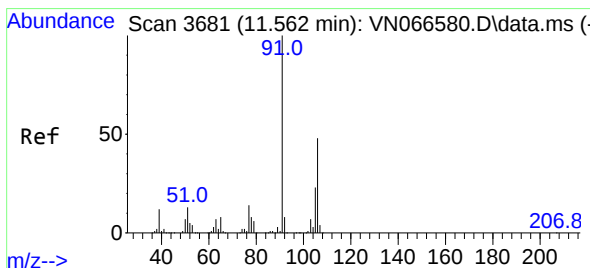
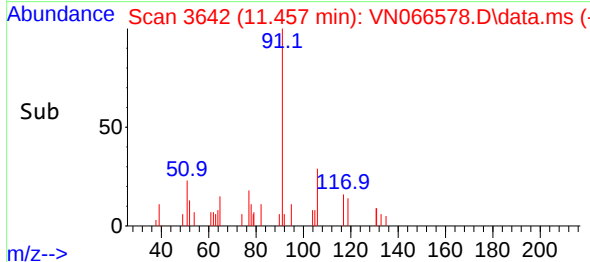
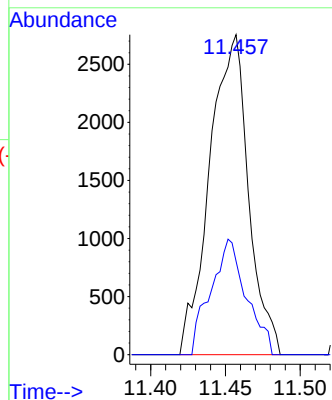
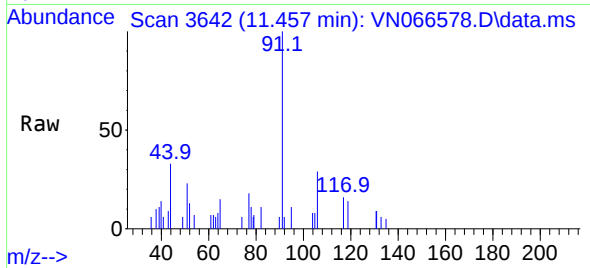




#66
Ethyl Benzene
Concen: 0.35 ug/l
RT: 11.457 min Scan# 3642
Delta R.T. 0.002 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

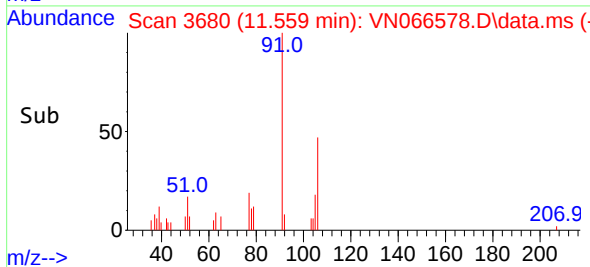
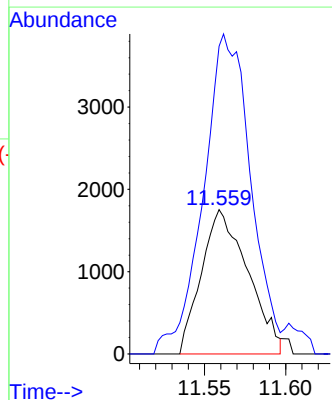
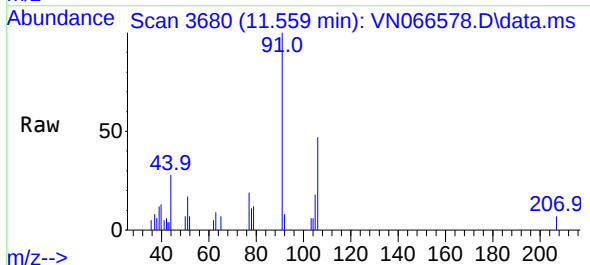
Instrument :
MSVOA_N
ClientSampled :
IBLK

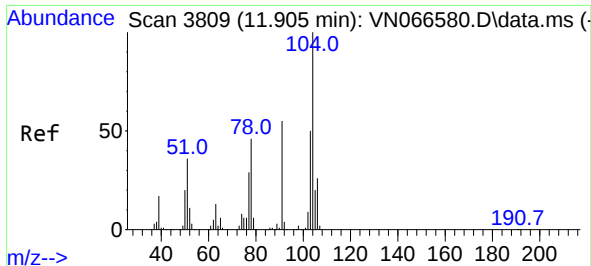
Tgt Ion: 91 Resp: 4974
Ion Ratio Lower Upper
91 100
106 29.2 25.5 38.3



#67
m/p-Xylenes
Concen: 0.65 ug/l
RT: 11.559 min Scan# 3680
Delta R.T. -0.006 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Tgt Ion:106 Resp: 3484
Ion Ratio Lower Upper
106 100
91 140.3 164.8 247.2#

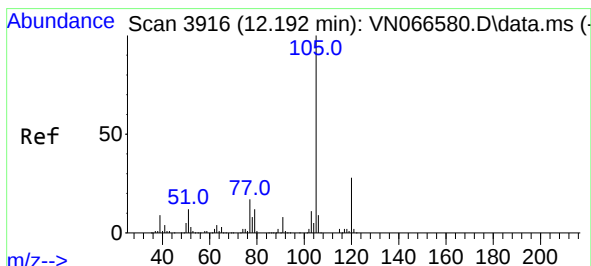
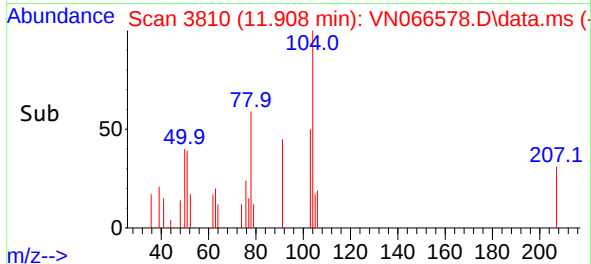
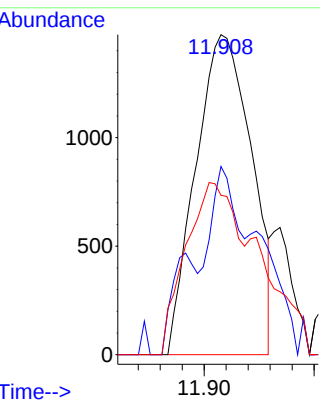
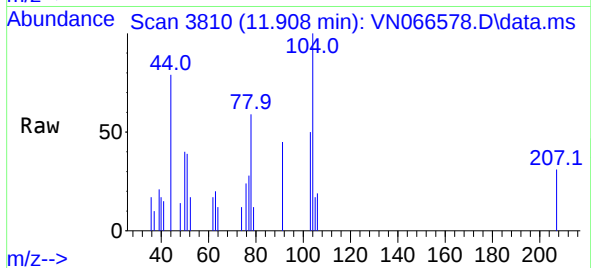




#69
Styrene
Concen: 0.31 ug/l
RT: 11.908 min Scan# 3810
Delta R.T. -0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

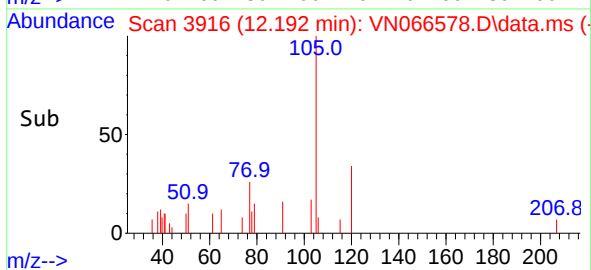
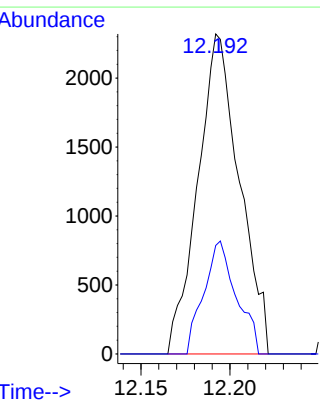
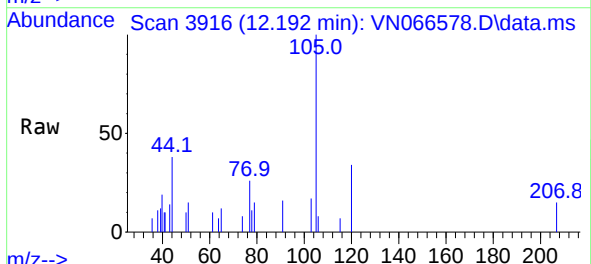
Instrument :
MSVOA_N
ClientSampleId :
IBLK

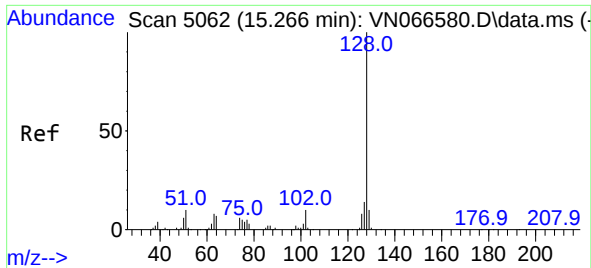
Tgt Ion:	104	Resp:	2605
Ion	Ratio	Lower	Upper
104	100		
78	16.7	41.0	61.6#
103	49.6	43.7	65.5



#70
Isopropylbenzene
Concen: 0.28 ug/l
RT: 12.192 min Scan# 3916
Delta R.T. -0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Tgt Ion:	105	Resp:	3762
Ion	Ratio	Lower	Upper
105	100		
120	27.7	18.7	34.7





#91
Naphthalene
Concen: 11.32 ug/l
RT: 15.263 min Scan# 5061
Delta R.T. -0.003 min
Lab File: VN066578.D
Acq: 13 Apr 2021 14:30

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 100170
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 9.5 8.6 13.0

