

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
 Data File : VW018092.D
 Acq On : 11 Feb 2021 18:01
 Operator : SY/VA
 Sample : M1371-06MSD
 Misc : 6.84G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBH16MSD

Manual Integrations
 APPROVED

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 2/15/2021 7:08:22 AM

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Quant Time: Feb 12 02:43:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 12 02:37:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	137388	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	127334	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	57651	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	31771	18.61	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 74.44%			
7) Chloroethane-d5	2.892	69	30510	22.51	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.04%			
10) 1,1-Dichloroethene-d2	4.019	63	70265	20.58	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.32%			
20) 2-Butanone-d5	7.080	46	24375	53.49	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 106.98%			
24) Chloroform-d	7.647	84	92825	25.75	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 103.00%			
26) 1,2-Dichloroethane-d4	8.305	65	55961	29.14	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 116.56%			
29) Benzene-d6	8.275	84	170927	24.45	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.80%			
33) 1,2-Dichloropropane-d6	9.275	67	54332	27.78	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 111.12%			
37) Toluene-d8	10.323	98	151167	22.72	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.88%			
38) trans-1,3-Dichloroprop...	10.579	79	22400	25.27	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.08%			
39) 2-Hexanone-d5	10.927	63	20761	55.53	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 111.06%			
48) 1,1,2,2-Tetrachloroeth...	12.689	84	51411	29.93	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 119.72%			
61) 1,2-Dichlorobenzene-d4	13.853	152	56904	27.67	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 110.68%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.038	96	36531	19.90	ug/L	99
13) Acetone	4.123	43	1133	3.36	ug/L	50
16) Methylene chloride	4.922	84	3385m	1.54	ug/L	
34) Benzene	8.324	78	176975	23.78	ug/L	100
35) Trichloroethene	9.092	95	44980	21.45	ug/L	99
44) Toluene	10.390	91	182987	22.34	ug/L	97
52) Chlorobenzene	11.658	112	121158	22.45	ug/L	99

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

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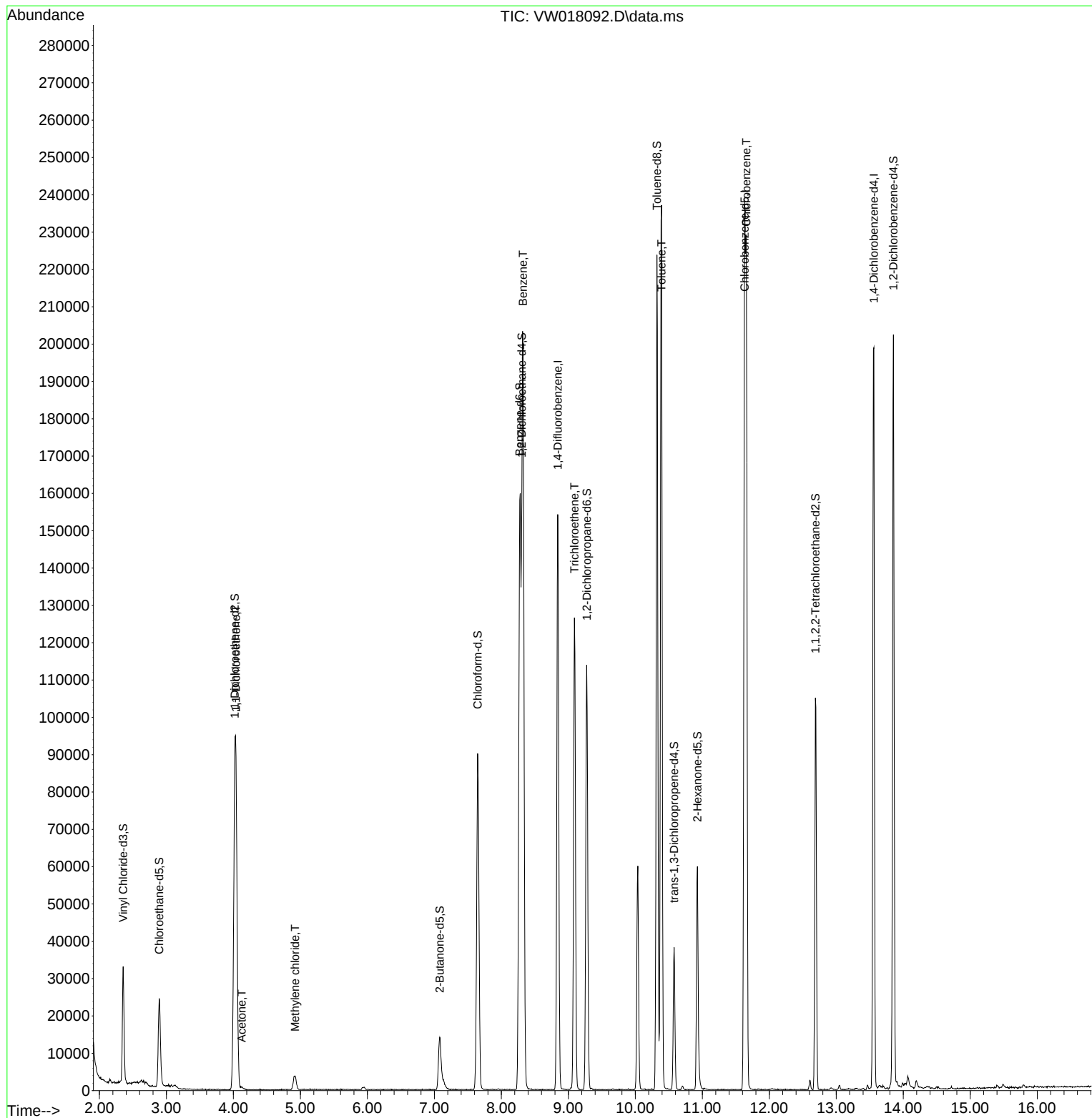
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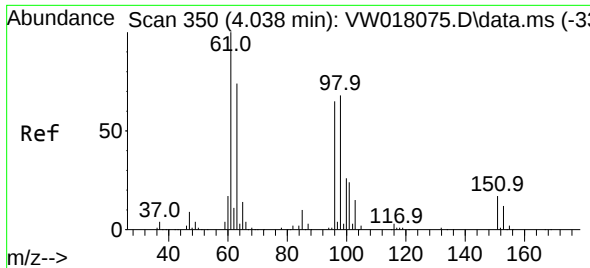
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#12
1,1-Dichloroethene
Concen: 19.90 ug/L
RT: 4.038 min Scan# 350
Delta R.T. 0.000 min
Lab File: VW018092.D
Acq: 11 Feb 2021 18:01

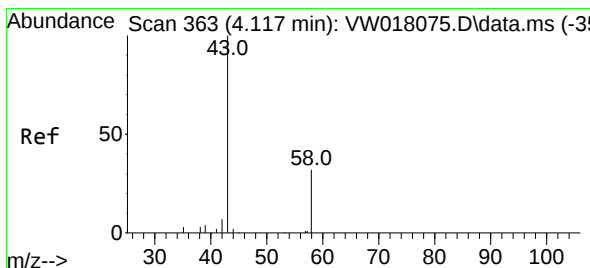
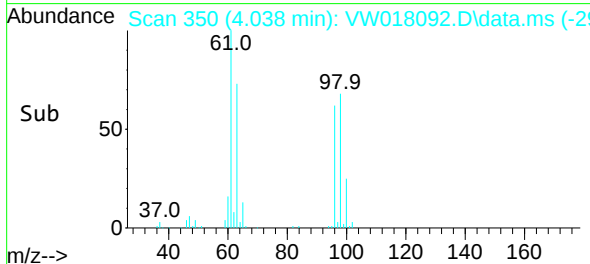
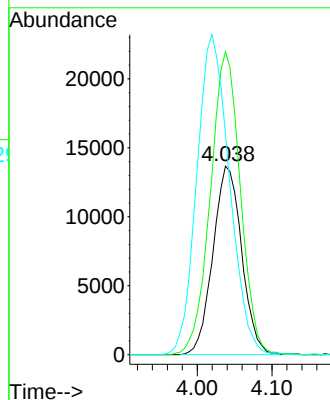
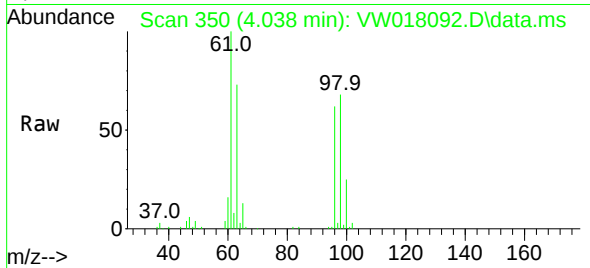
Tgt Ion: 96 Resp: 36531
Ion Ratio Lower Upper
96 100
61 160.6 112.5 208.9
63 117.1 83.1 154.3

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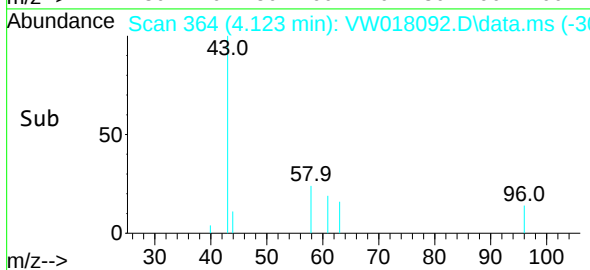
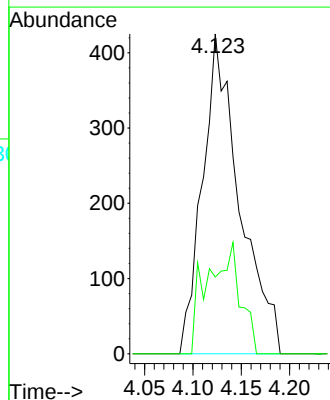
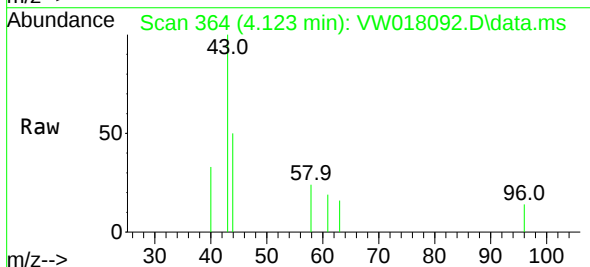
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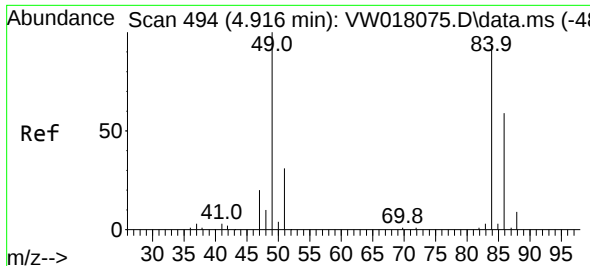
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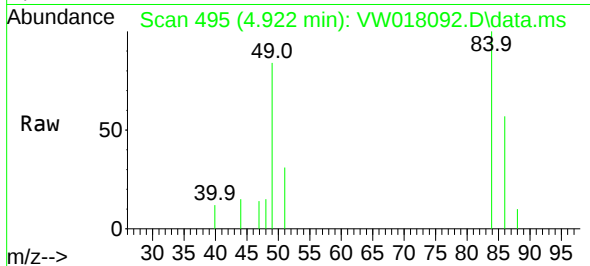
#13
Acetone
Concen: 3.36 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018092.D
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Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
58 5.6 0.0 68.4



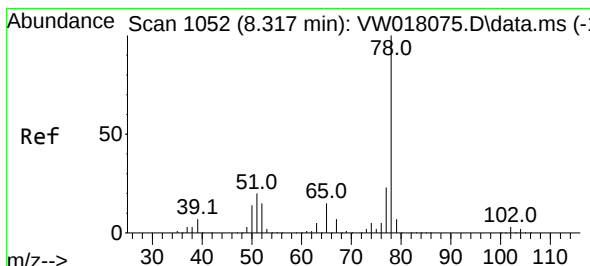
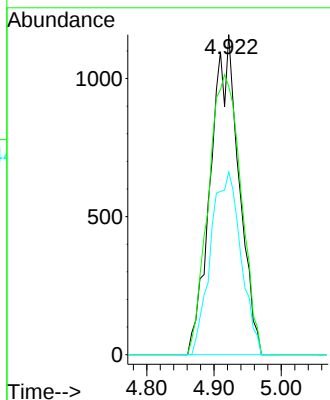
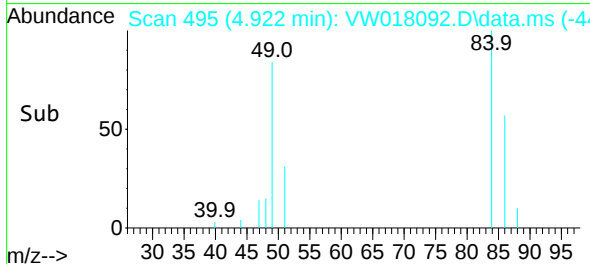


#16
Methylene chloride
Concen: 1.54 ug/L m
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018092.D
Acq: 11 Feb 2021 18:01



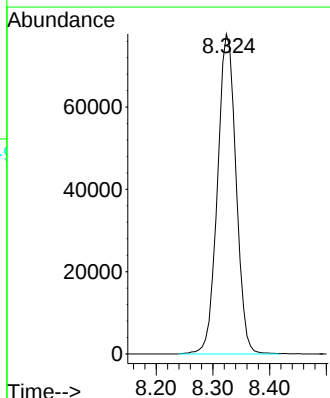
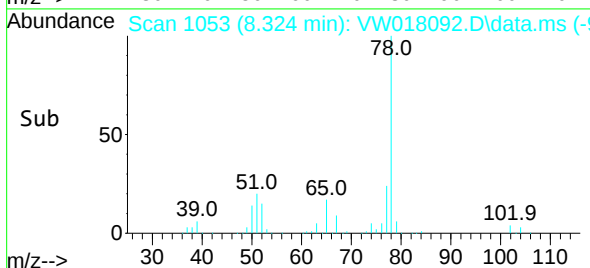
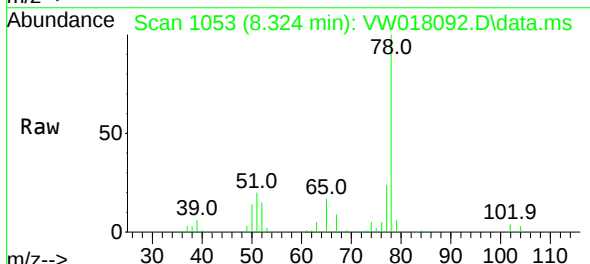
Tgt Ion: 84 Resp: 3385

Ion	Ratio	Lower	Upper
84	100		
49	83.9	81.2	150.8
86	57.1	44.5	82.7



#34
Benzene
Concen: 23.78 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VW018092.D
Acq: 11 Feb 2021 18:01

Tgt Ion: 78 Resp: 176975

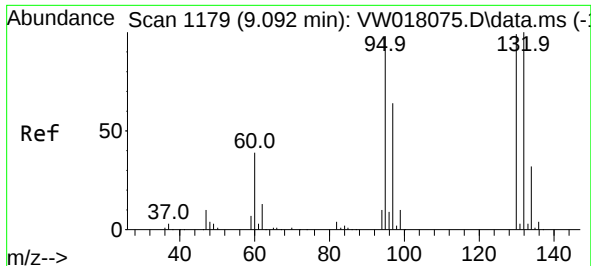


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#35
Trichloroethene
Concen: 21.45 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018092.D
Acq: 11 Feb 2021 18:01

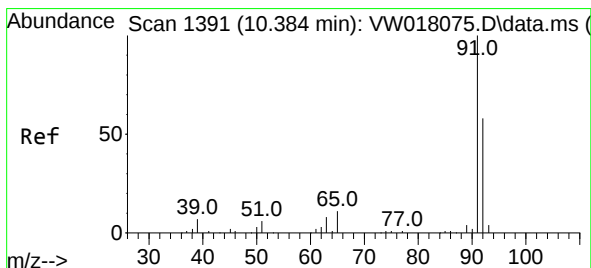
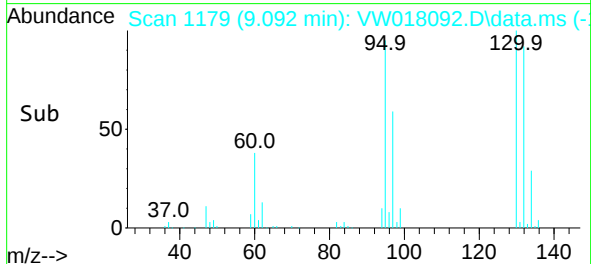
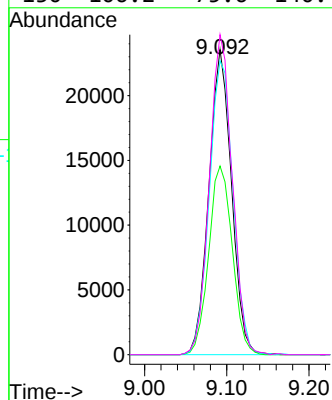
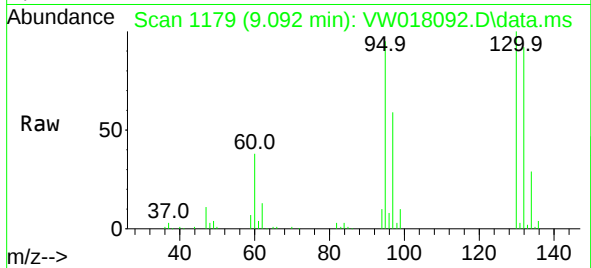
Tgt Ion	95	Resp:	44980
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.0	83.6
132	101.1	71.0	131.8
130	106.2	75.6	140.4

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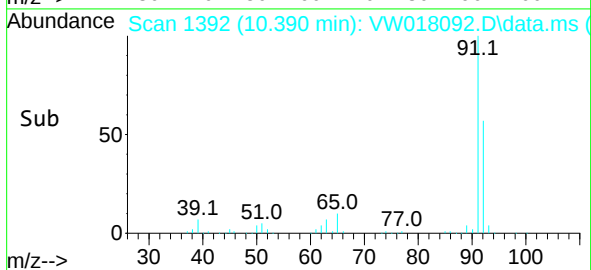
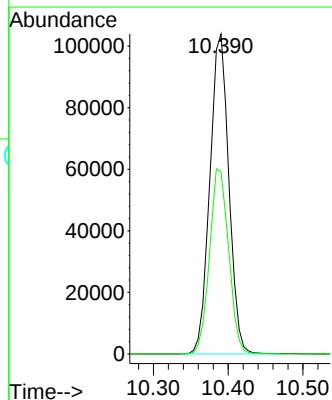
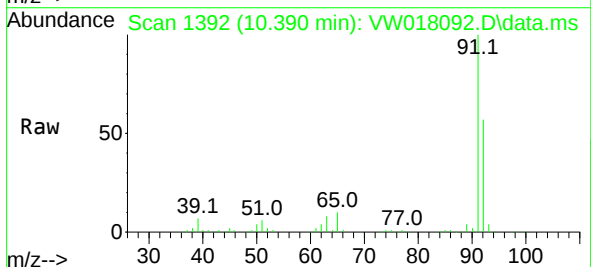
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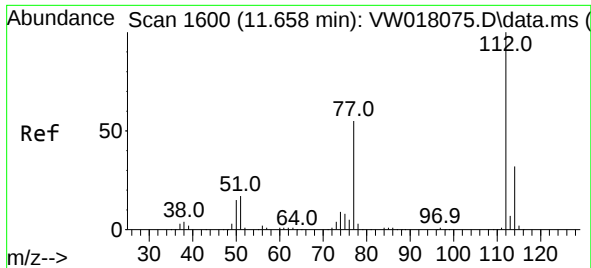
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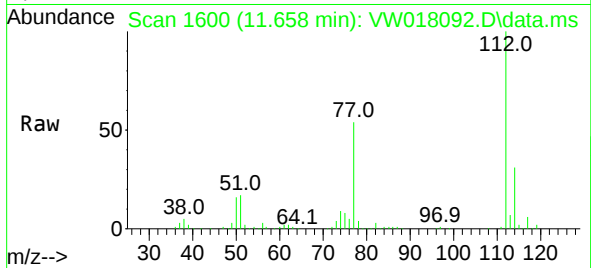
#44
Toluene
Concen: 22.34 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018092.D
Acq: 11 Feb 2021 18:01

Tgt Ion	91	Resp:	182987
Ion	Ratio	Lower	Upper
91	100		
92	57.0	41.6	77.3

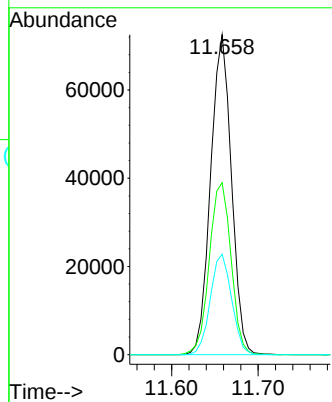
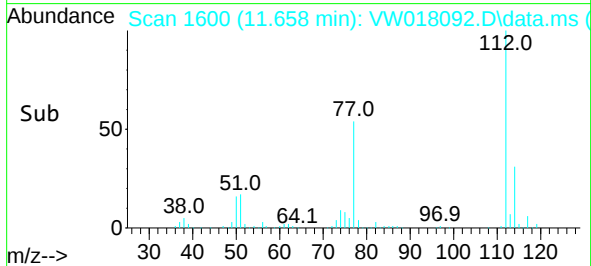




#52
Chlorobenzene
Concen: 22.45 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW018092.D
Acq: 11 Feb 2021 18:01



Tgt Ion:112 Resp: 121158
Ion Ratio Lower Upper
112 100
77 53.7 42.6 64.0
114 31.4 21.6 40.2



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