

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090121\
 Data File : VV022068.D
 Acq On : 01 Sep 2021 15:36
 Operator : SY/MD
 Sample : M3608-06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBKK2

Quant Time: Sep 02 11:59:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 02 05:24:11 2021
 Response via : Initial Calibration

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

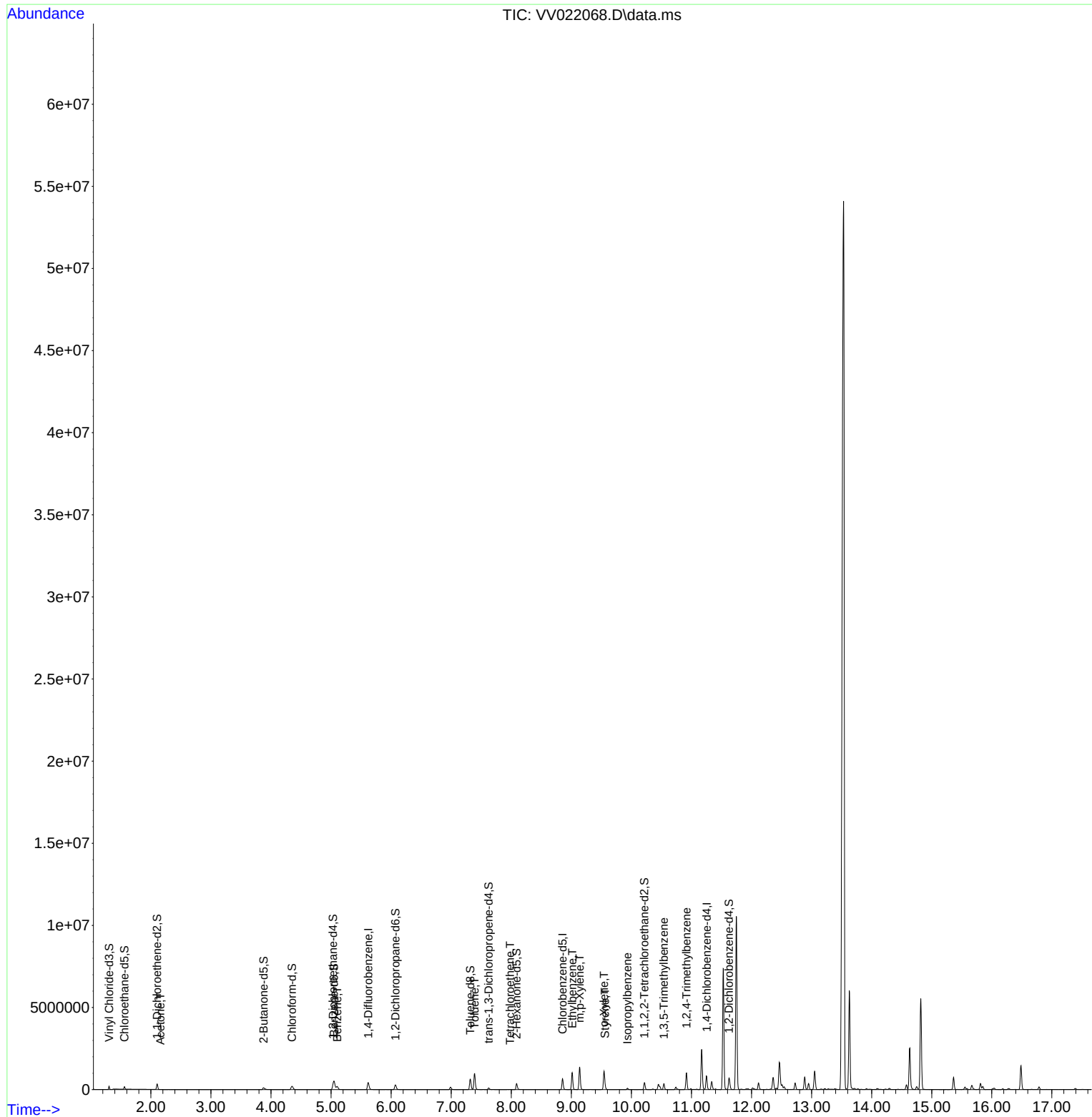
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	393938	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	375372	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	215738	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	125864	46.137	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.280%
7) Chloroethane-d5	1.561	69	100903	47.363	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.720%
11) 1,1-Dichloroethene-d2	2.105	63	169955	37.669	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.340%
21) 2-Butanone-d5	3.876	46	178589	95.453	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.450%
24) Chloroform-d	4.349	84	220982	44.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.840%
26) 1,2-Dichloroethane-d4	5.034	65	136651	46.639	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.280%
32) Benzene-d6	5.050	84	468392	46.005	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.072	67	143659	44.867	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.740%
41) Toluene-d8	7.317	98	431070	44.852	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.700%
43) trans-1,3-Dichloroprop...	7.625	79	59901	39.306	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.620%
47) 2-Hexanone-d5	8.088	63	131208	106.798	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.800%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	203854	49.711	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.420%
66) 1,2-Dichlorobenzene-d4	11.625	152	184957	43.610	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.220%
Target Compounds						
					Qvalue	
13) Acetone	2.159	43	4559	2.908	ug/L #	71
33) Benzene	5.101	78	203689	18.651	ug/L	100
42) Toluene	7.391	91	722936	61.333	ug/L	99
46) Tetrachloroethene	7.982	164	1904	0.792	ug/L	97
52) Ethylbenzene	9.014	91	720355	56.456	ug/L	99
53) m,p-Xylene	9.140	106	390412	78.720	ug/L	99
54) o-Xylene	9.545	106	289309	58.957	ug/L	100
55) Styrene	9.561	104	78421	9.364	ug/L #	72
60) Isopropylbenzene	9.934	105	55055	4.061	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	190019	16.697	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	551751	47.698	ug/L	99

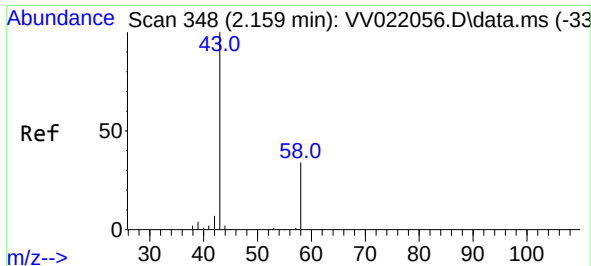
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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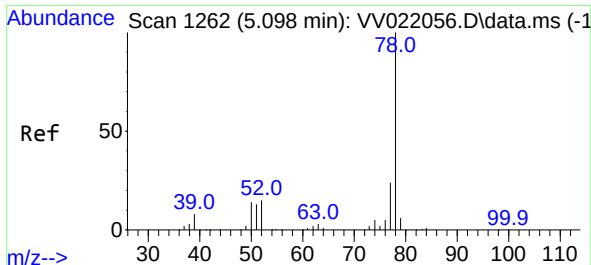
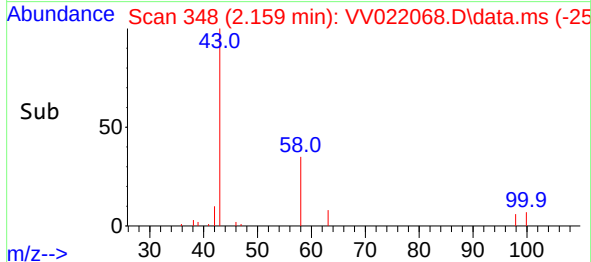
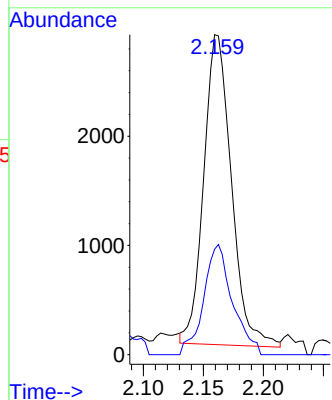
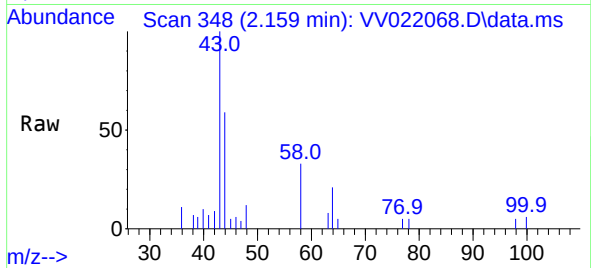




#13
Acetone
Concen: 2.908 ug/L
RT: 2.159 min Scan# 348
Delta R.T. -0.000 min
Lab File: VV022068.D
Acq: 01 Sep 2021 15:36

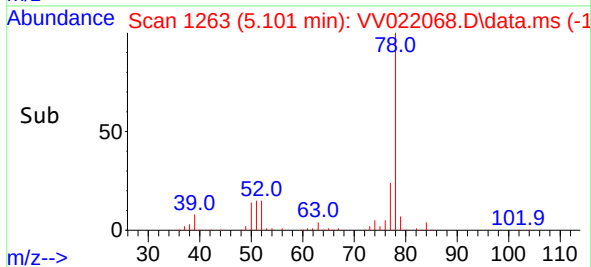
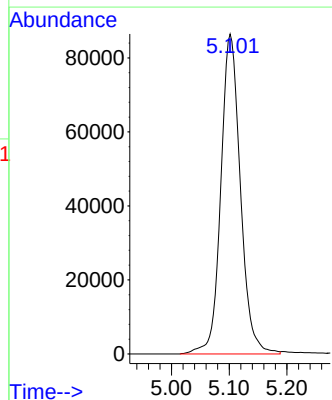
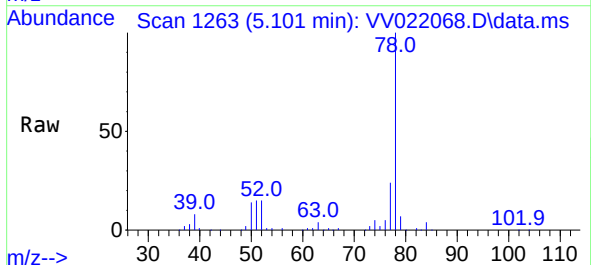
Instrument :
MSVOA_V
ClientSampled :
DBKK2

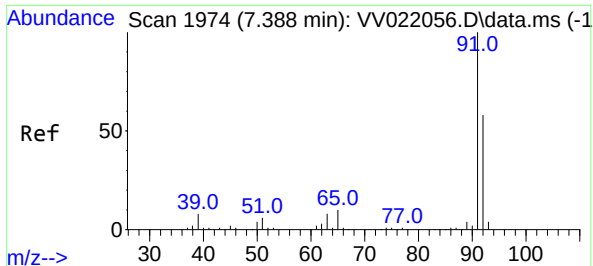
Tgt Ion: 43 Resp: 4559
Ion Ratio Lower Upper
43 100
58 36.9 0.0 0.4#



#33
Benzene
Concen: 18.651 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV022068.D
Acq: 01 Sep 2021 15:36

Tgt Ion: 78 Resp: 203689





#42

Toluene

Concen: 61.333 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV022068.D

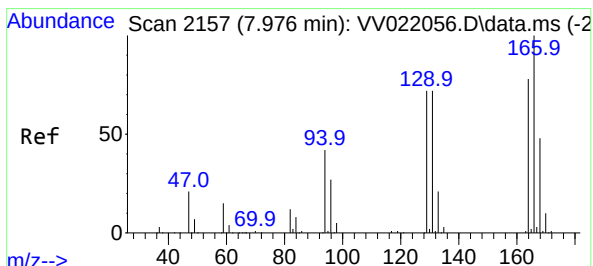
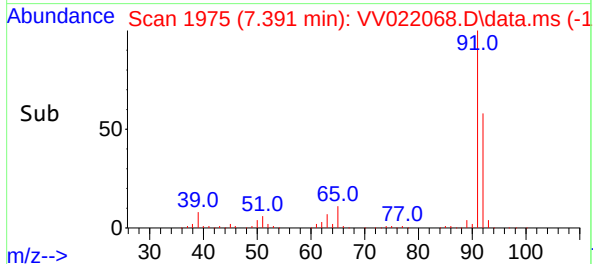
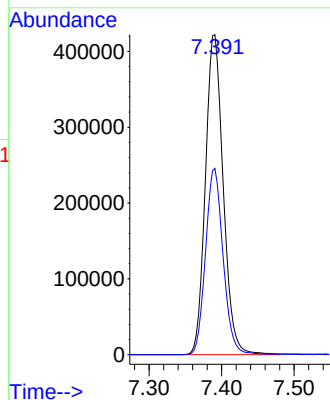
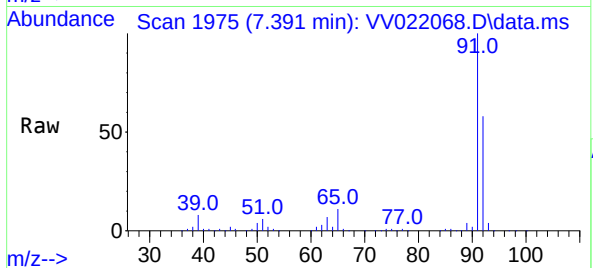
Acq: 01 Sep 2021 15:36

Tgt Ion: 91 Resp: 722936

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.8



#46

Tetrachloroethene

Concen: 0.792 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.006 min

Lab File: VV022068.D

Acq: 01 Sep 2021 15:36

Tgt Ion: 164 Resp: 1904

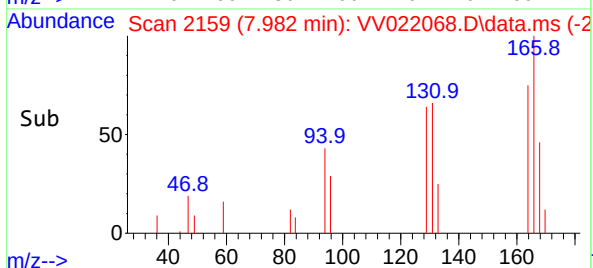
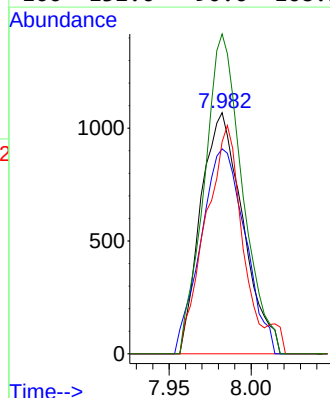
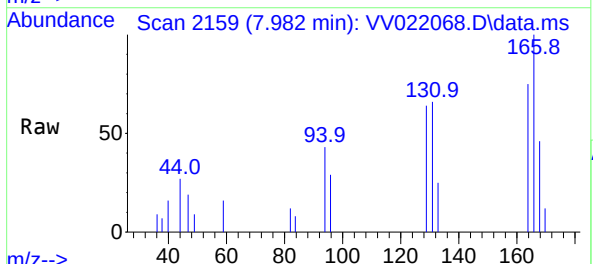
Ion Ratio Lower Upper

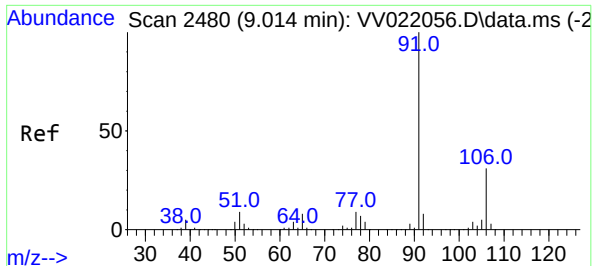
164 100

129 85.0 62.9 116.9

131 87.9 61.0 113.4

166 132.6 90.6 168.3

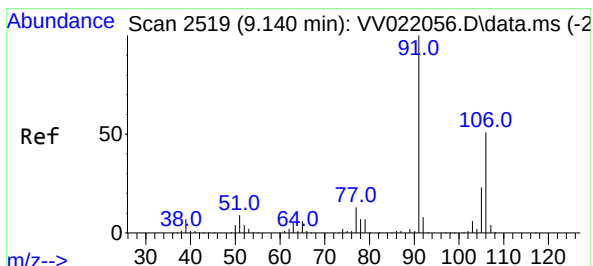
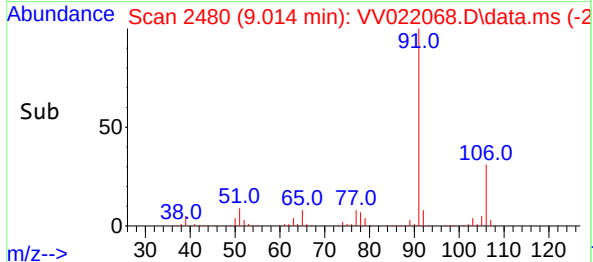
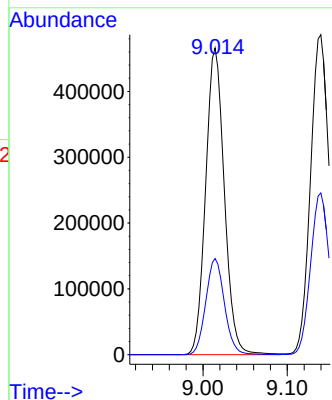
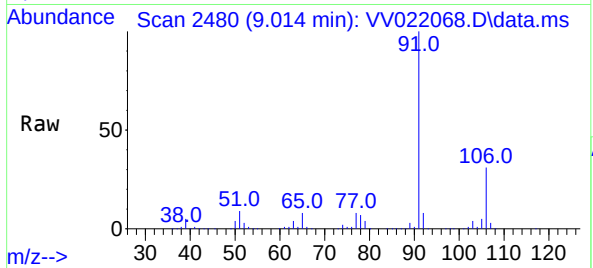




#52
Ethylbenzene
Concen: 56.456 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. -0.000 min
Lab File: VV022068.D
Acq: 01 Sep 2021 15:36

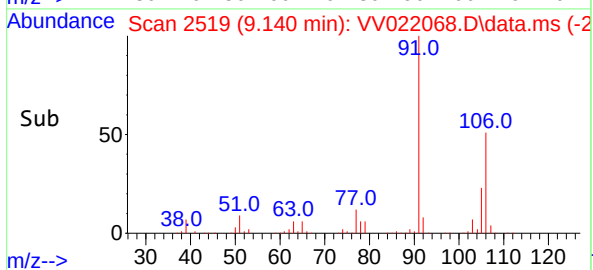
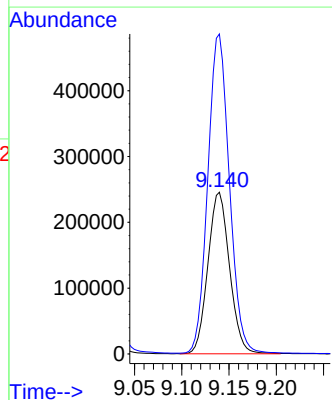
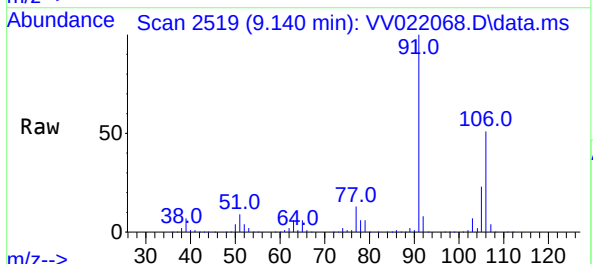
Instrument :
MSVOA_V
ClientSampleId :
DBKK2

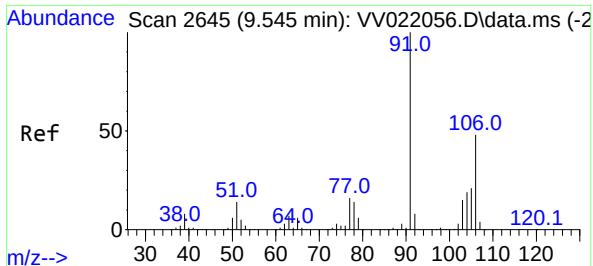
Tgt Ion: 91 Resp: 720355
Ion Ratio Lower Upper
91 100
106 31.3 21.7 40.3



#53
m,p-Xylene
Concen: 78.720 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. -0.000 min
Lab File: VV022068.D
Acq: 01 Sep 2021 15:36

Tgt Ion: 106 Resp: 390412
Ion Ratio Lower Upper
106 100
91 197.9 139.1 258.3

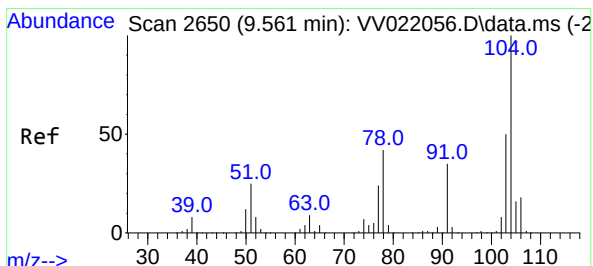
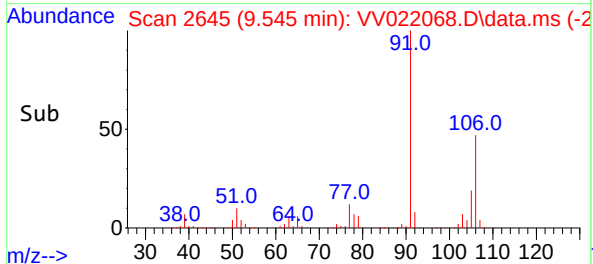
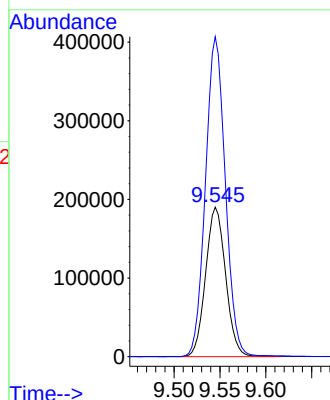
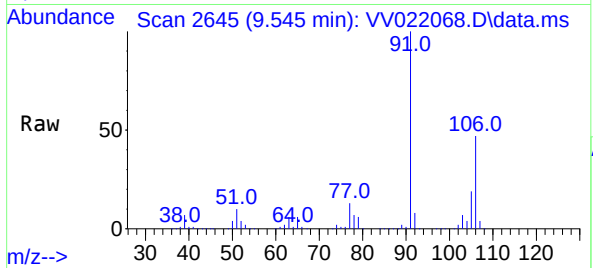




#54
o-Xylene
Concen: 58.957 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.000 min
Lab File: VV022068.D
Acq: 01 Sep 2021 15:36

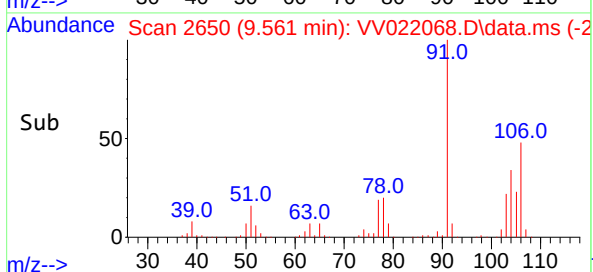
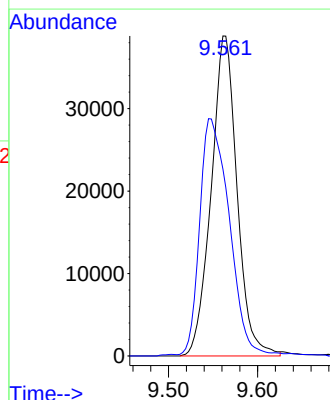
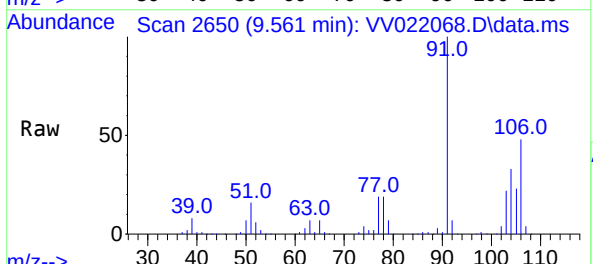
Instrument :
MSVOA_V
ClientSampled :
DBKK2

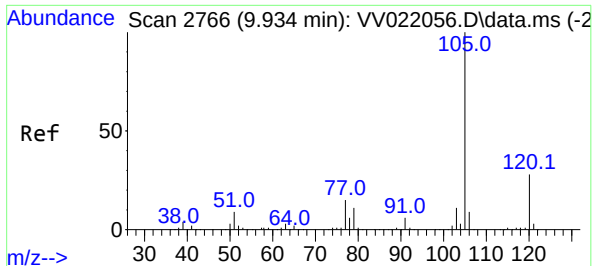
Tgt Ion:106 Resp: 289309
Ion Ratio Lower Upper
106 100
91 214.0 150.1 278.9



#55
Styrene
Concen: 9.364 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. -0.000 min
Lab File: VV022068.D
Acq: 01 Sep 2021 15:36

Tgt Ion:104 Resp: 78421
Ion Ratio Lower Upper
104 100
78 58.4 28.6 53.2#

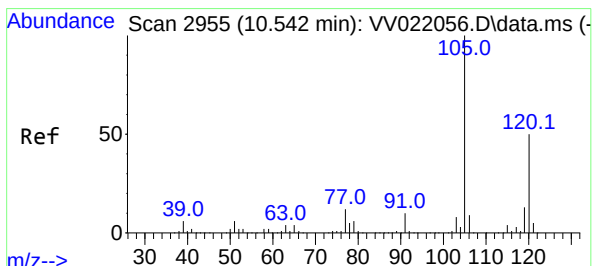
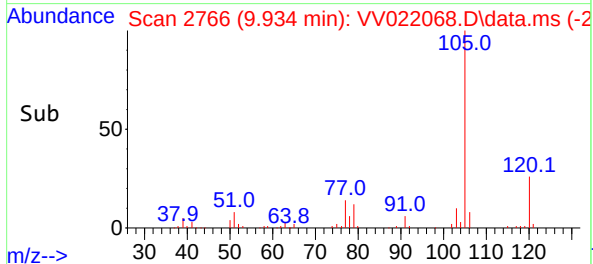
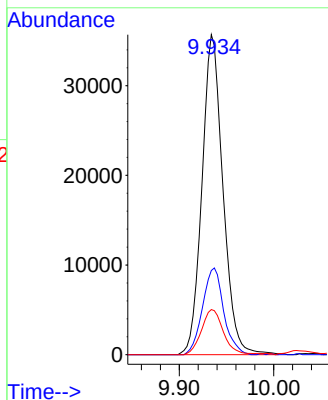
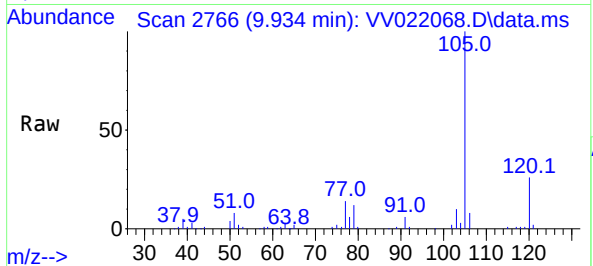




#60
Isopropylbenzene
Concen: 4.061 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. -0.000 min
Lab File: VV022068.D
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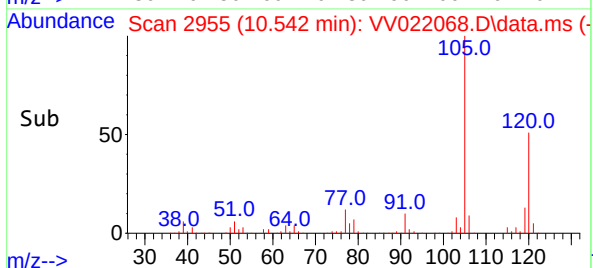
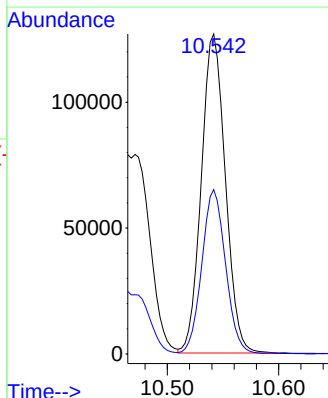
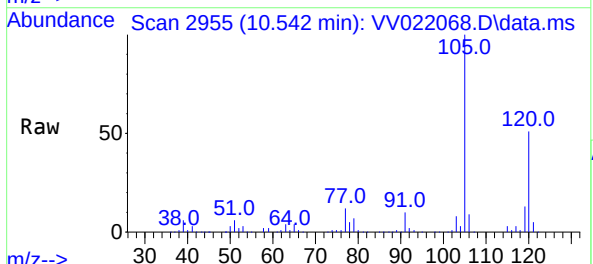
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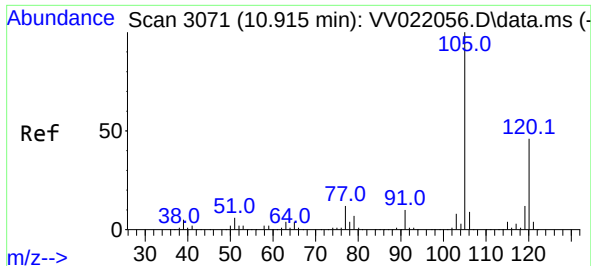
Tgt Ion:	105	Resp:	55055
Ion Ratio	Lower	Upper	
105	100		
120	27.3	21.5	32.3
77	14.7	11.8	17.6



#62
1,3,5-Trimethylbenzene
Concen: 16.697 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. -0.000 min
Lab File: VV022068.D
Acq: 01 Sep 2021 15:36

Tgt Ion:	105	Resp:	190019
Ion Ratio	Lower	Upper	
105	100		
120	50.4	39.6	59.4





#63
1,2,4-Trimethylbenzene
Concen: 47.698 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV022068.D
Acq: 01 Sep 2021 15:36

Instrument :
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ClientSampleId :
DBKK2

Tgt Ion:105 Resp: 551751
Ion Ratio Lower Upper
105 100
120 46.3 37.4 56.0

