

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
 Data File : VV021505.D
 Acq On : 04 Jun 2021 14:32
 Operator : SY/MD
 Sample : M2618-15
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG5W0

Manual Integrations
 APPROVED

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 6/8/2021 10:04:08 AM

Quant Time: Jun 05 03:58:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 05 03:34:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	460301	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	430228	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	243779	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	109670	36.188	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	72.380%	
7) Chloroethane-d5	1.567	69	84759	37.597	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	75.200%	
11) 1,1-Dichloroethene-d2	2.108	63	153924	29.724	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	59.440%#	
21) 2-Butanone-d5	3.882	46	257639	118.555	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	118.560%	
24) Chloroform-d	4.352	84	262380	43.492	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	86.980%	
26) 1,2-Dichloroethane-d4	5.033	65	162243	46.692	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	93.380%	
32) Benzene-d6	5.053	84	530753	44.098	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	88.200%	
36) 1,2-Dichloropropane-d6	6.072	67	172409	46.386	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	92.780%	
41) Toluene-d8	7.316	98	499485	43.560	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	87.120%	
43) trans-1,3-Dichloroprop...	7.622	79	87015	43.746	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	87.500%	
47) 2-Hexanone-d5	8.088	63	187820	110.049	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	110.050%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	255937	49.606	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	99.220%	
66) 1,2-Dichlorobenzene-d4	11.625	152	231726	45.728	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	91.460%	
Target Compounds					Qvalue	
13) Acetone	2.175	43	50620	27.072	ug/L	# 85
22) 2-Butanone	4.001	43	20131m	8.499	ug/L	
29) Cyclohexane	4.680	56	28395	5.665	ug/L	98
33) Benzene	5.107	78	13844	1.124	ug/L	100
35) Methylcyclohexane	6.133	83	26646	4.959	ug/L	94
40) 4-Methyl-2-pentanone	7.233	43	24844	5.836	ug/L	99
42) Toluene	7.390	91	315589	23.102	ug/L	100
52) Ethylbenzene	9.014	91	122480	8.163	ug/L	99
53) m,p-Xylene	9.136	106	371669	64.470	ug/L	99
54) o-Xylene	9.545	106	146035	25.655	ug/L	100
60) Isopropylbenzene	9.934	105	13530	0.896	ug/L	98
62) 1,3,5-Trimethylbenzene	10.541	105	143332	11.022	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	537408	40.908	ug/L	99

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

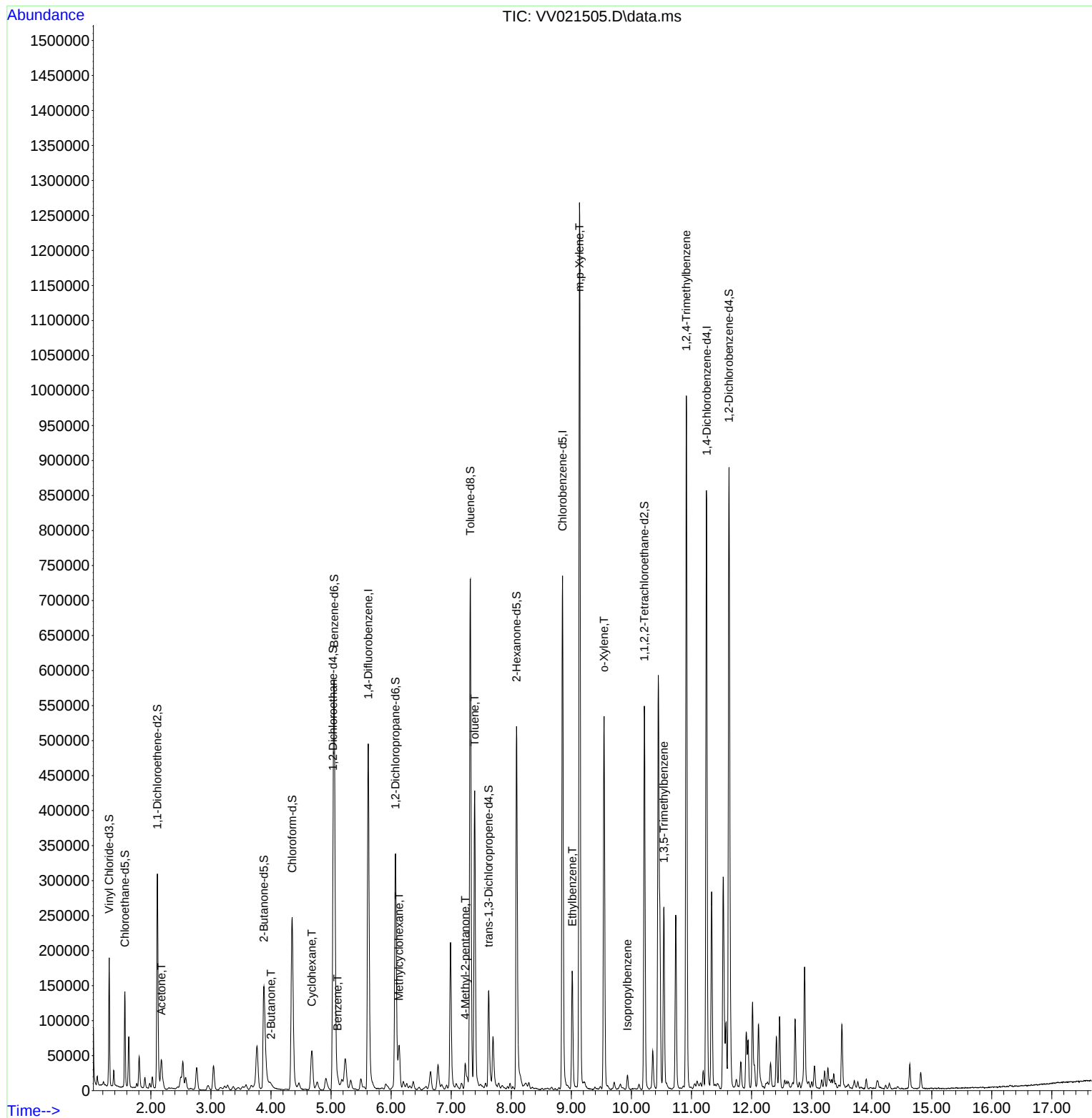
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
Data File : VV021505.D
Acq On : 04 Jun 2021 14:32
Operator : SY/MD
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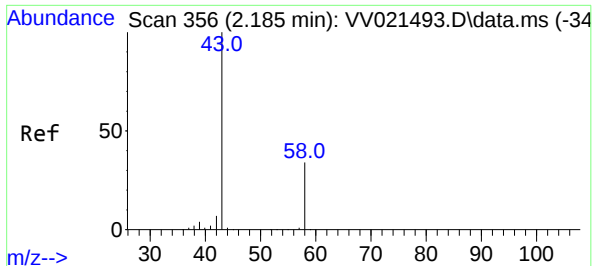
Instrument :
MSVOA_V
ClientSampleId :
BG5W0

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 05 03:34:55 2021
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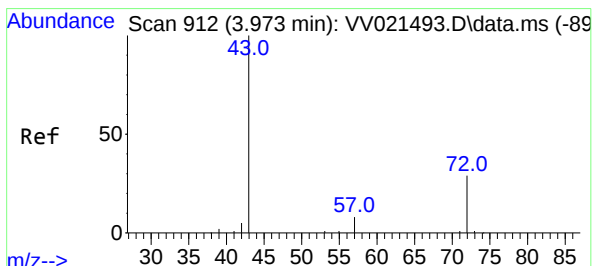
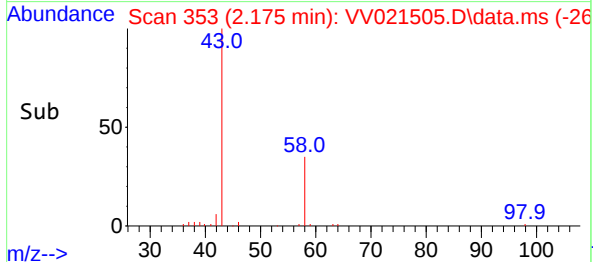
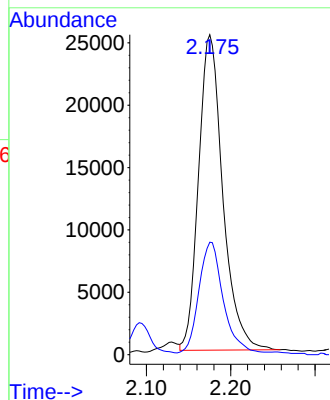
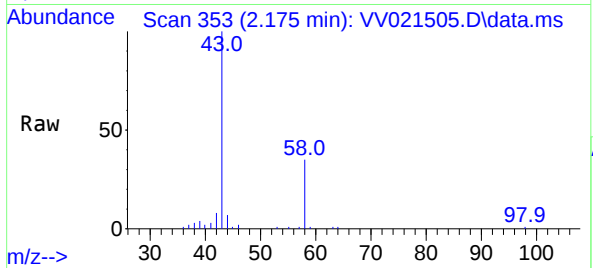
#13
Acetone
Concen: 27.072 ug/L
RT: 2.175 min Scan# 353
Delta R.T. -0.010 min
Lab File: VV021505.D
Acq: 04 Jun 2021 14:32

Tgt Ion: 43 Resp: 50620
Ion Ratio Lower Upper
43 100
58 35.3 0.0 0.2#

Instrument :
MSVOA_V
ClientSampled :
BG5W0

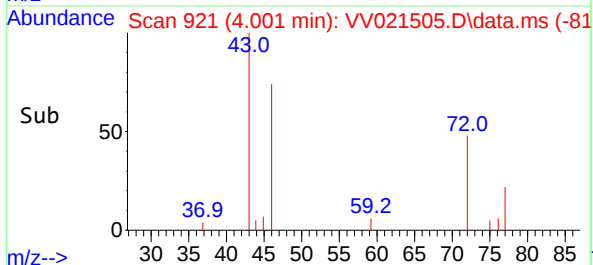
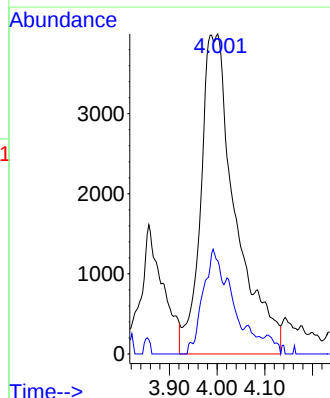
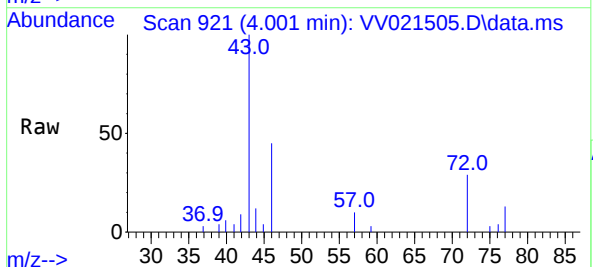
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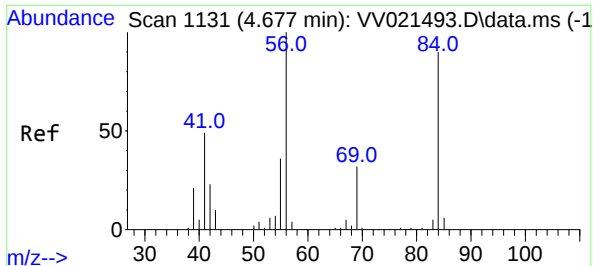
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#22
2-Butanone
Concen: 8.499 ug/L m
RT: 4.001 min Scan# 921
Delta R.T. 0.029 min
Lab File: VV021505.D
Acq: 04 Jun 2021 14:32

Tgt Ion: 43 Resp: 20131
Ion Ratio Lower Upper
43 100
72 0.2 13.1 39.1#





#29

Cyclohexane

Concen: 5.665 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.003 min

Lab File: VV021505.D

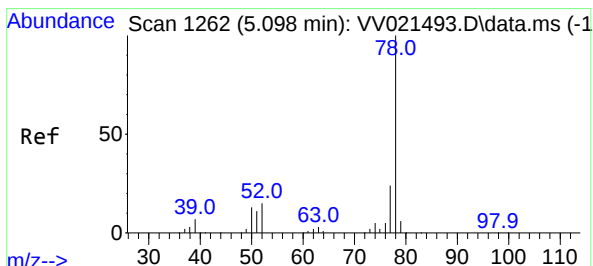
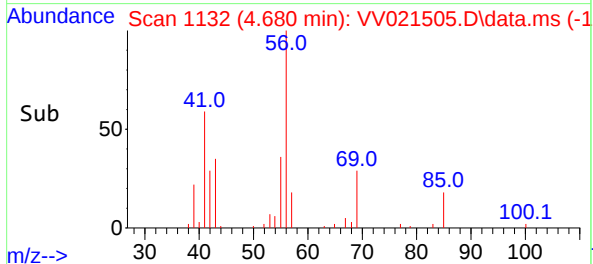
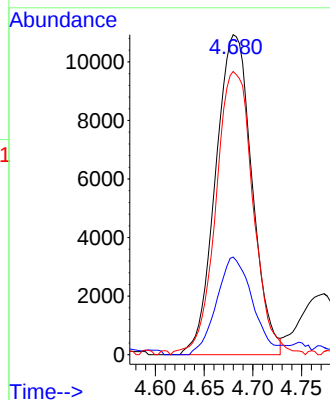
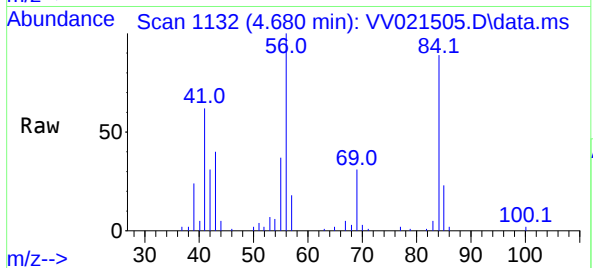
Acq: 04 Jun 2021 14:32

Tgt Ion:	56	Resp:	28395
Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.9	37.3
84	90.3	73.7	110.5

Instrument :
MSVOA_V
ClientSampled :
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#33

Benzene

Concen: 1.124 ug/L

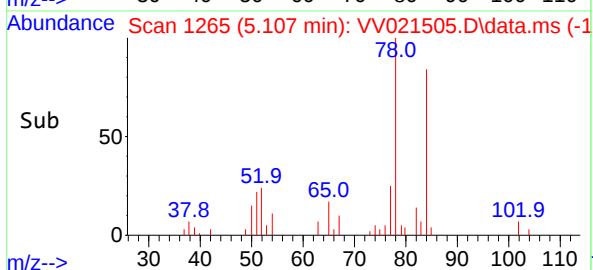
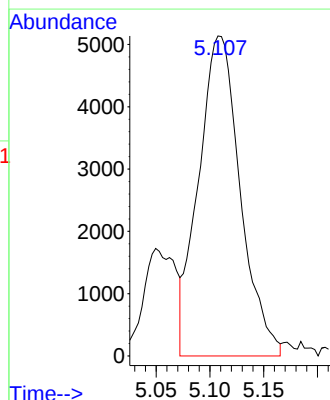
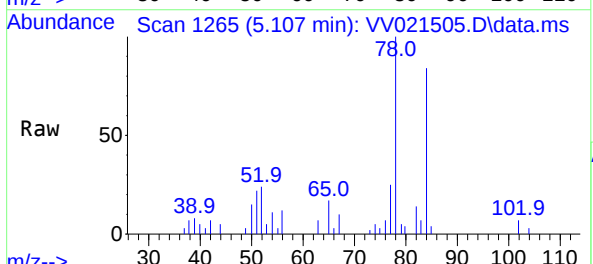
RT: 5.107 min Scan# 1265

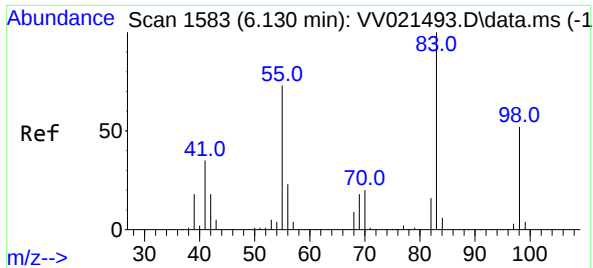
Delta R.T. 0.009 min

Lab File: VV021505.D

Acq: 04 Jun 2021 14:32

Tgt Ion: 78 Resp: 13844





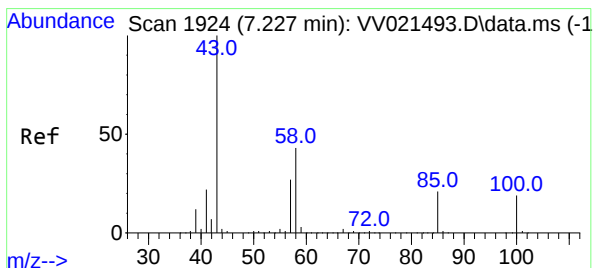
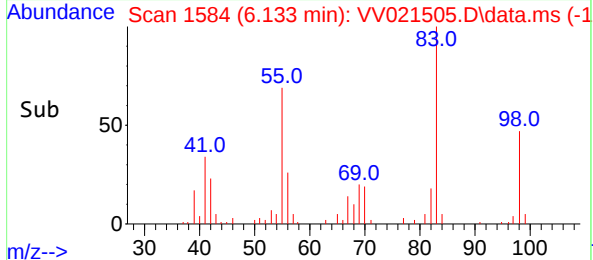
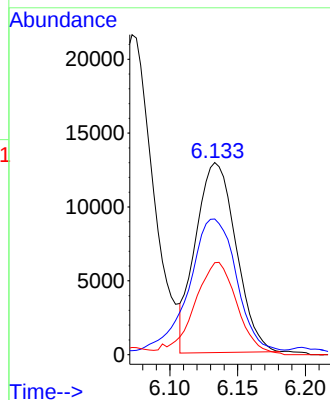
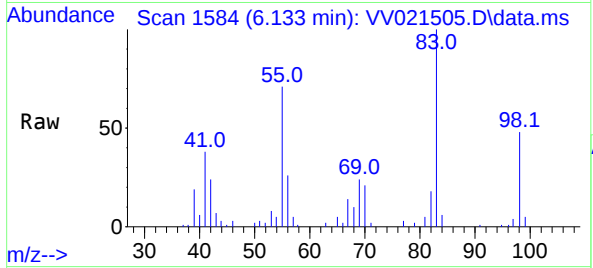
#35
Methylcyclohexane
Concen: 4.959 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.003 min
Lab File: VV021505.D
Acq: 04 Jun 2021 14:32

Tgt Ion:	83	Resp:	26646
Ion	Ratio	Lower	Upper
83	100		
55	81.0	58.0	87.0
98	50.5	40.8	61.2

Instrument :
MSVOA_V
ClientSampled :
BG5W0

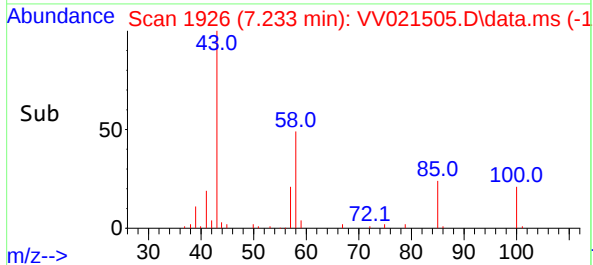
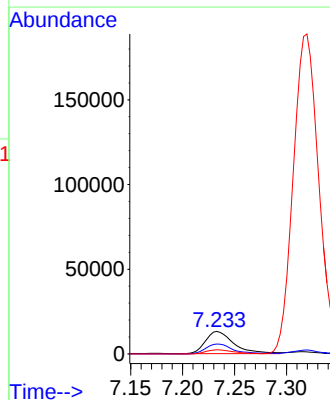
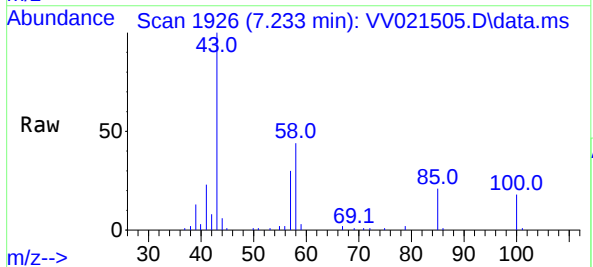
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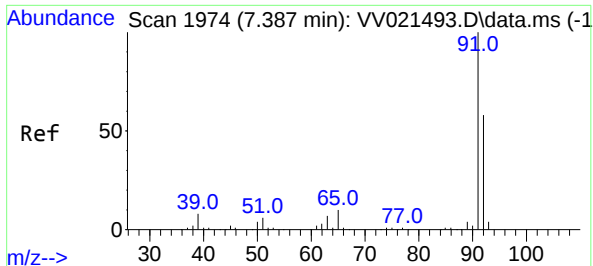
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#40
4-Methyl-2-pentanone
Concen: 5.836 ug/L
RT: 7.233 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV021505.D
Acq: 04 Jun 2021 14:32

Tgt Ion:	43	Resp:	24844
Ion	Ratio	Lower	Upper
43	100		
58	42.5	33.5	50.3
100	18.7	14.8	22.2





#42

Toluene

Concen: 23.102 ug/L

RT: 7.390 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV021505.D

Acq: 04 Jun 2021 14:32

Tgt Ion: 91 Resp: 315589

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9

Instrument :

MSVOA_V

ClientSampled :

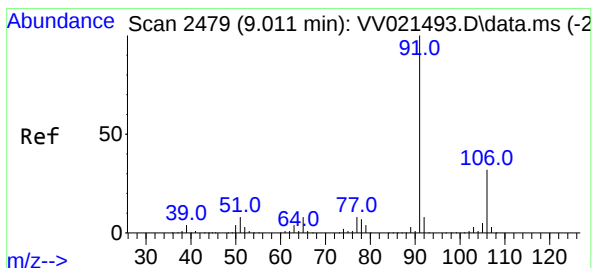
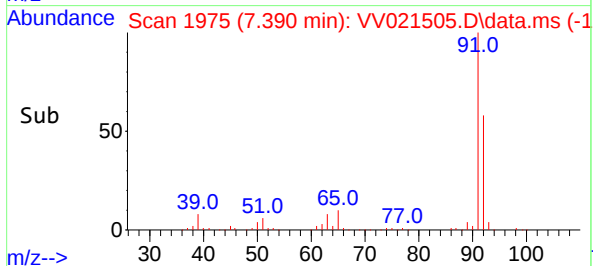
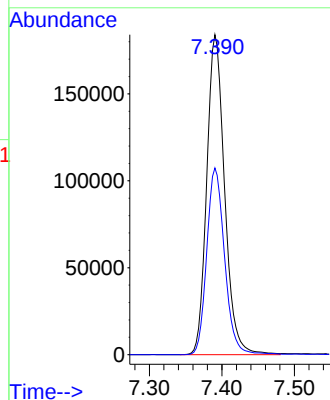
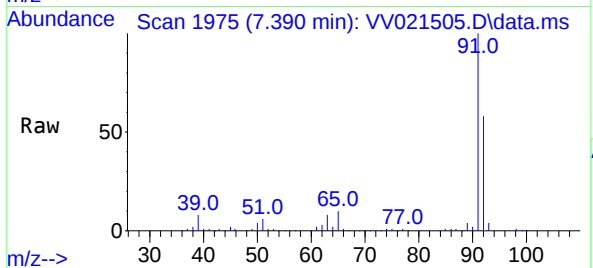
BG5W0

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#52

Ethylbenzene

Concen: 8.163 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV021505.D

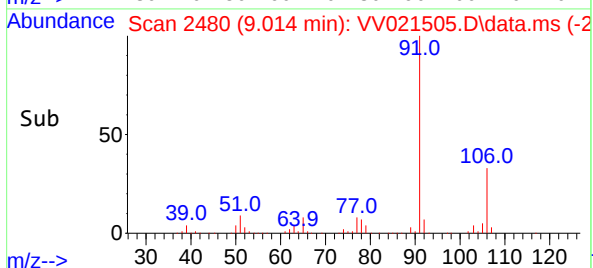
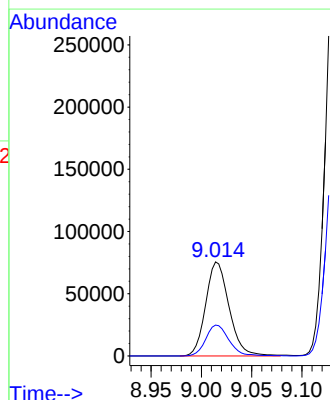
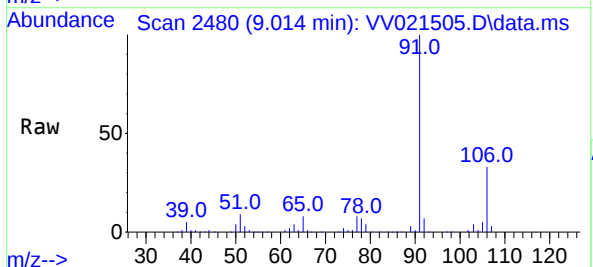
Acq: 04 Jun 2021 14:32

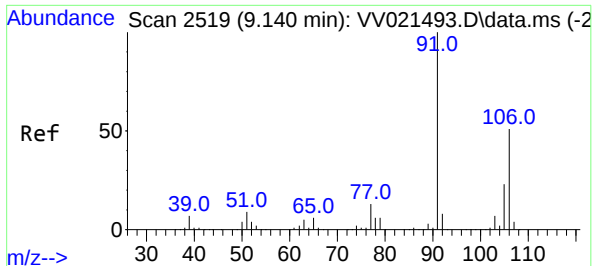
Tgt Ion: 91 Resp: 122480

Ion Ratio Lower Upper

91 100

106 32.8 22.4 41.6





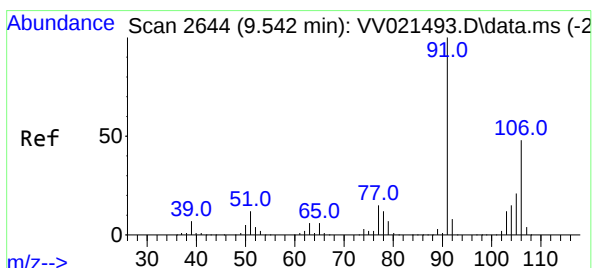
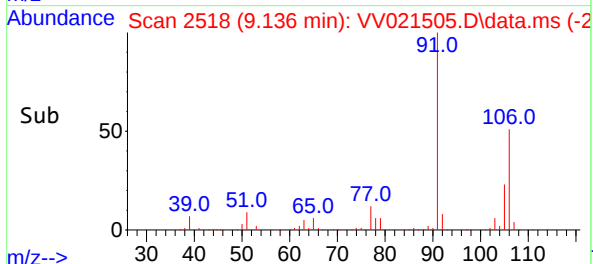
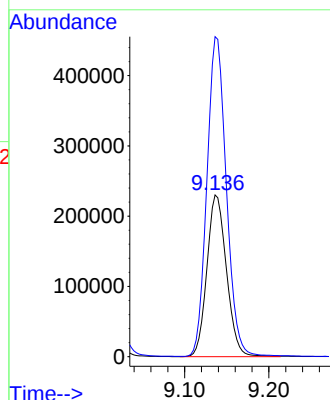
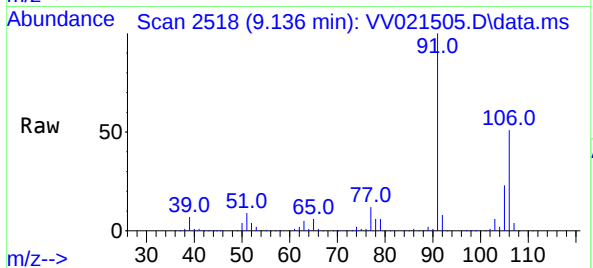
#53
m,p-Xylene
Concen: 64.470 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.004 min
Lab File: VV021505.D
Acq: 04 Jun 2021 14:32

Tgt Ion:106 Resp: 371669
Ion Ratio Lower Upper
106 100
91 197.8 139.4 258.8

Instrument :
MSVOA_V
ClientSampled :
BG5W0

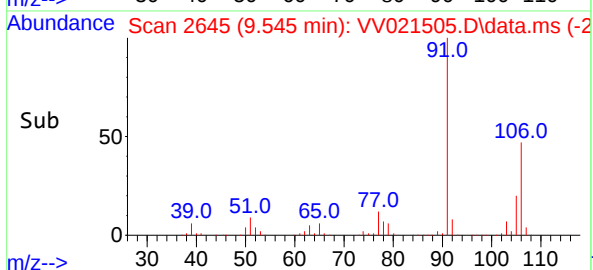
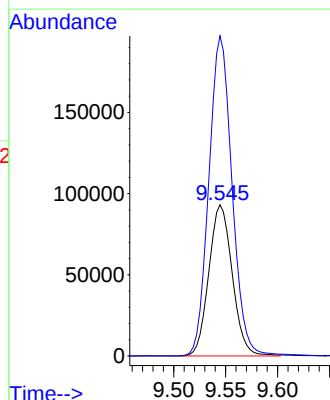
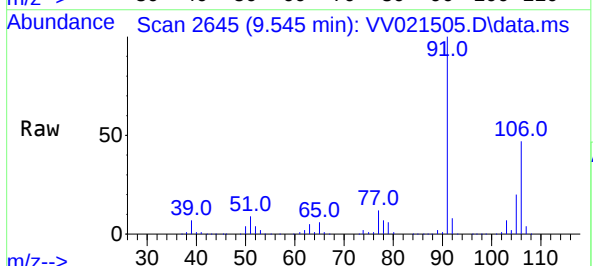
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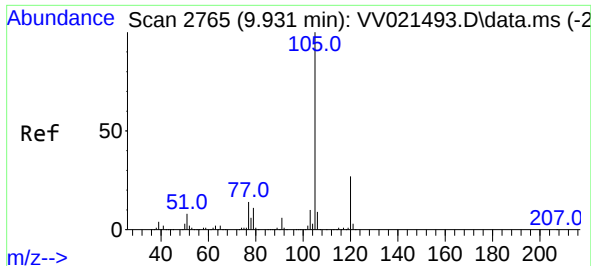
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#54
o-Xylene
Concen: 25.655 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV021505.D
Acq: 04 Jun 2021 14:32

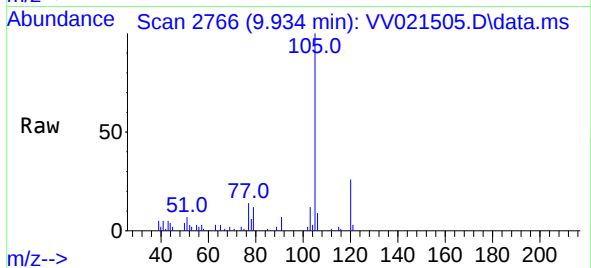
Tgt Ion:106 Resp: 146035
Ion Ratio Lower Upper
106 100
91 211.7 148.5 275.9





#60
Isopropylbenzene
Concen: 0.896 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV021505.D
Acq: 04 Jun 2021 14:32

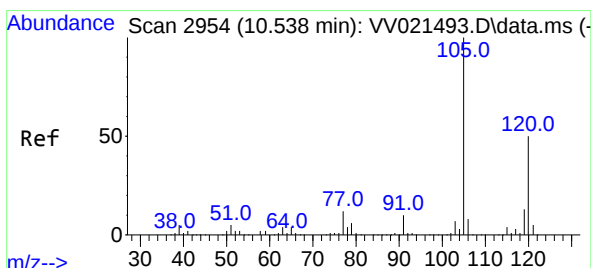
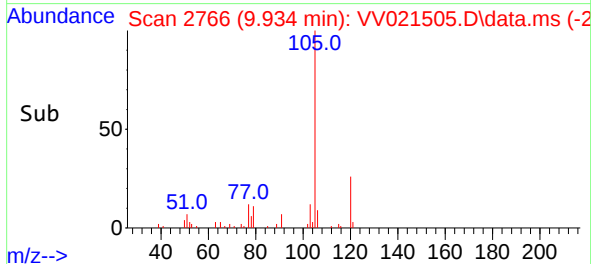
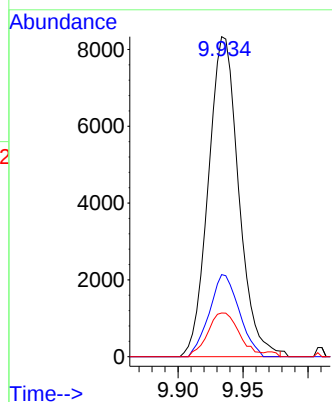
Instrument :
MSVOA_V
ClientSampled :
BG5W0



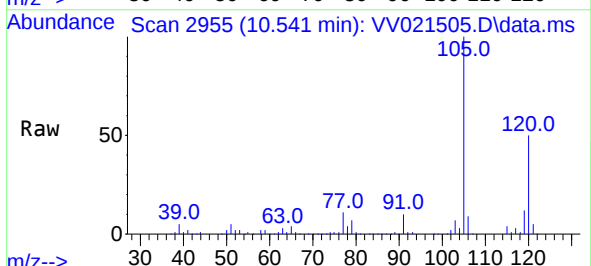
Tgt Ion:105 Resp: 13530
Ion Ratio Lower Upper
105 100
120 25.2 21.7 32.5
77 14.2 11.5 17.3

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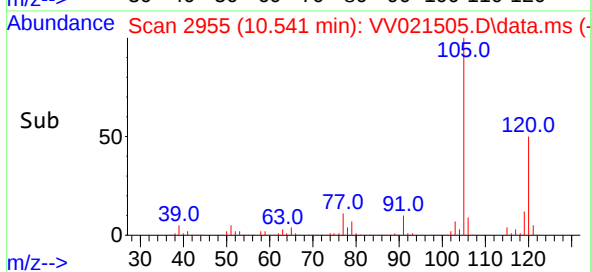
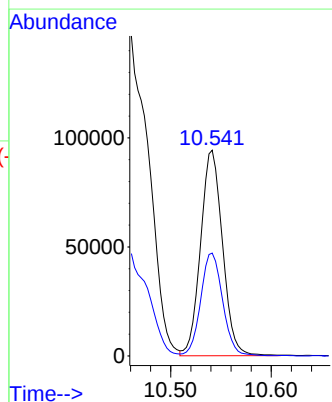
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6/8/2021 10:04:08 AM

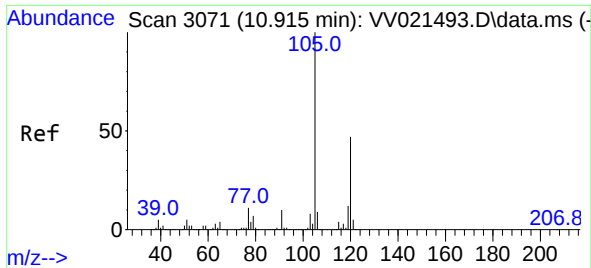


#62
1,3,5-Trimethylbenzene
Concen: 11.022 ug/L
RT: 10.541 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV021505.D
Acq: 04 Jun 2021 14:32



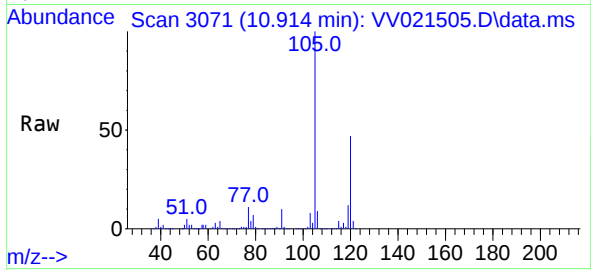
Tgt Ion:105 Resp: 143332
Ion Ratio Lower Upper
105 100
120 50.1 40.1 60.1





#63
 1,2,4-Trimethylbenzene
 Concen: 40.908 ug/L
 RT: 10.914 min Scan# 3071
 Delta R.T. -0.000 min
 Lab File: VV021505.D
 Acq: 04 Jun 2021 14:32

Instrument :
 MSVOA_V
 ClientSampleId :
 BG5W0



Tgt Ion:105 Resp: 537408
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.0 55.4

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