

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038629.D
 Acq On : 17 Mar 2022 16:54
 Operator : SY/AP
 Sample : N1976-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2A

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022

Quant Time: Mar 18 03:34:48 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							03/19/2022 Supervised By :Mahesh Dadoda
1) Bromochloromethane	5.674	49	875622	10.000	ppbv	0.02	
33) 1,4-Difluorobenzene	7.182	114	2210770	10.000	ppbv	0.02	
55) Chlorobenzene-d5	12.089	117	1905109	10.000	ppbv	# 0.02	
System Monitoring Compounds							03/21/2022
68) 1-Bromo-4-Fluorobenzene	14.420	95	1360168	9.391	ppbv	0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.900%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.057	85	19787	0.150	ppbv	97	
3) Chlorodifluoromethane	2.999	51	1108570	7.180	ppbv	97	
4) Chloromethane	3.150	50	30582	0.534	ppbv	94	
9) Propene	3.031	41	865638m	15.889	ppbv		
10) Heptane	8.130	43	37672m	0.289	ppbv		
11) Trichlorofluoromethane	3.957	101	23380	0.202	ppbv	95	
13) Ethanol	3.626	45	11417951	1824.468	ppbv	96	
15) Acetone	3.854	43	432815	7.008	ppbv #	70	
19) Isopropyl Alcohol	3.992	45	724966	17.579	ppbv	100	
20) Methylene Chloride	4.353	84	143769	3.868	ppbv	97	
26) Hexane	5.697	57	291984	2.989	ppbv #	65	
30) Cyclohexane	7.137	84	26834m	0.318	ppbv		
34) 2-Butanone	5.250	43	61043	1.065	ppbv	93	
35) Carbon Tetrachloride	7.024	117	10619m	0.070	ppbv		
36) Benzene	6.896	78	135045	0.677	ppbv	97	
38) Trichloroethene	7.835	130	2962m	0.037	ppbv		
44) 2,2,4-Trimethylpentane	7.873	57	84923	0.252	ppbv #	75	
52) Tetrachloroethene	11.233	164	4093m	0.056	ppbv		
53) Toluene	9.812	91	853369	4.007	ppbv	99	
58) Ethyl Benzene	12.716	91	42798	0.174	ppbv	93	
59) m/p-Xylene	12.970	91	141428m	0.670	ppbv		
60) o-Xylene	13.696	91	46936	0.235	ppbv	100	
61) Styrene	13.535	104	10678m	0.109	ppbv		
69) p-Isopropyltoluene	17.654	119	29497	0.102	ppbv #	88	
74) 1,2,4-Trimethylbenzene	16.767	105	39920m	0.176	ppbv		

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

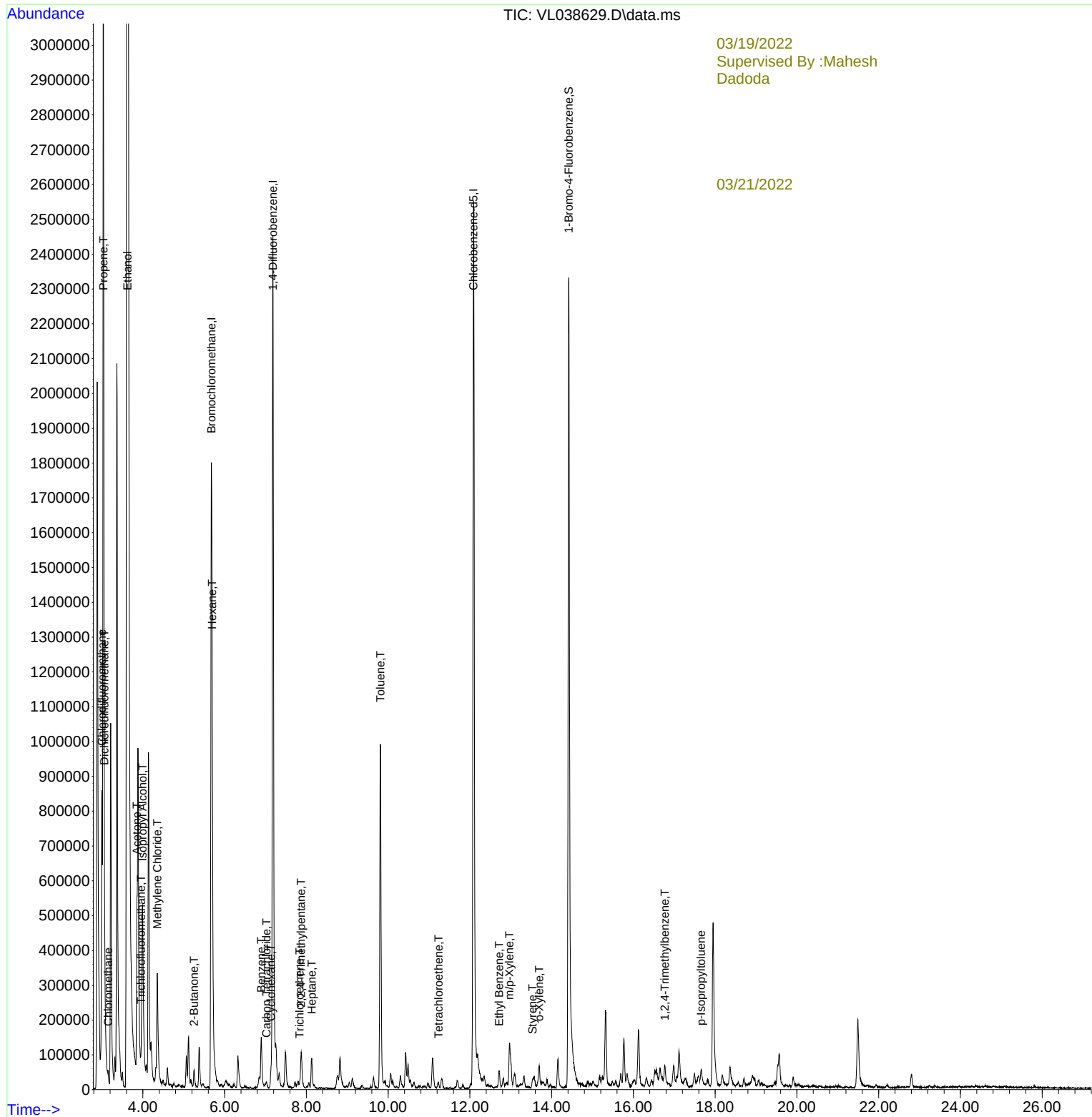
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
Data File : VL038629.D
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ALS Vial : 1 Sample Multiplier: 1

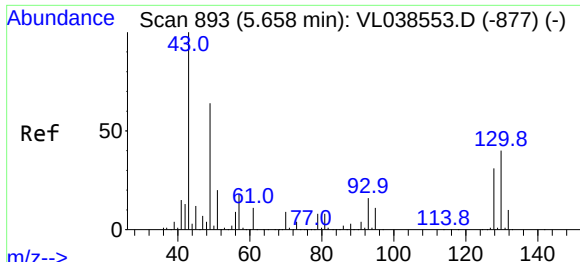
Instrument :
MSVOA_L
ClientSampleId :
IA-2A

Quant Time: Mar 18 03:34:48 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
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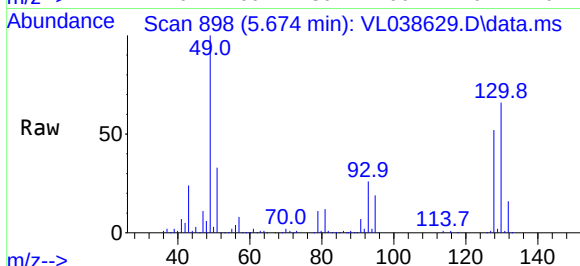
Reviewed By : Semsettin Yesilyurt 03/19/2022
Supervised By : Mahesh Dadoda 03/21/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 89
Delta R.T. 0.016 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

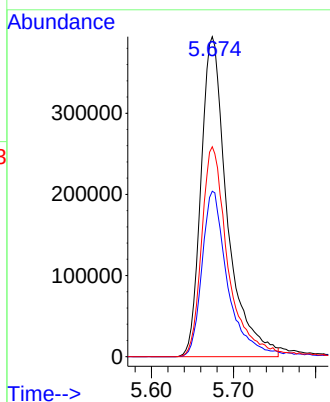
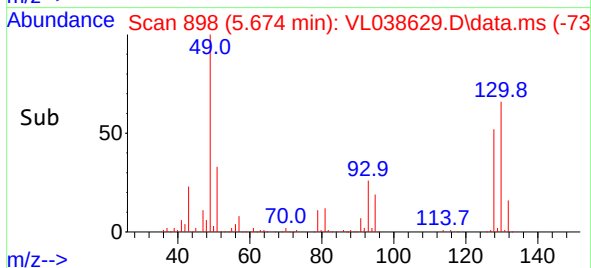
Instrument :
MSVOA_L
ClientSampleId :
IA-2A



Tgt Ion: 49 Resp: 87562
Ion Ratio Lower Upper
49 100
128 52.4 26.4 79.2
130 67.3 33.0 98.9

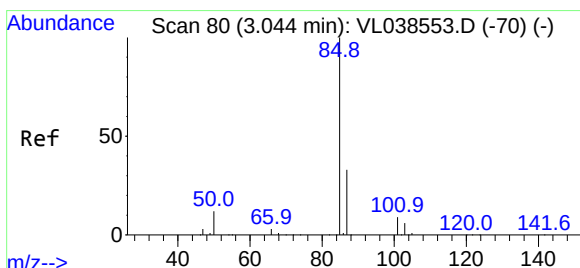
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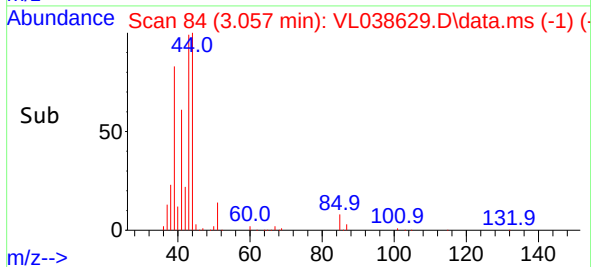
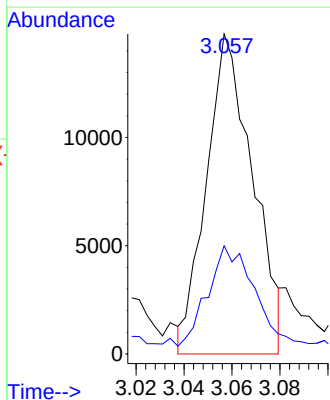
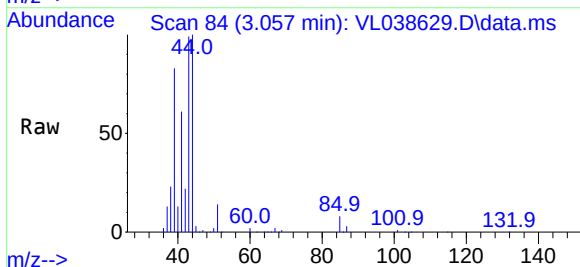
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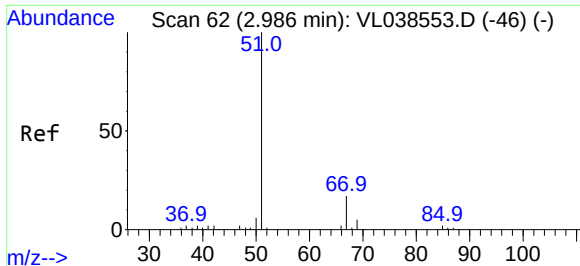
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#2
Dichlorodifluoromethane
Concen: 0.150 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.013 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Tgt Ion: 85 Resp: 19787
Ion Ratio Lower Upper
85 100
87 34.3 26.2 39.2





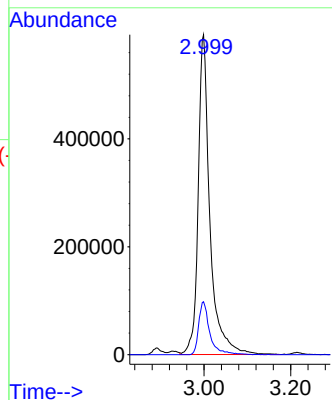
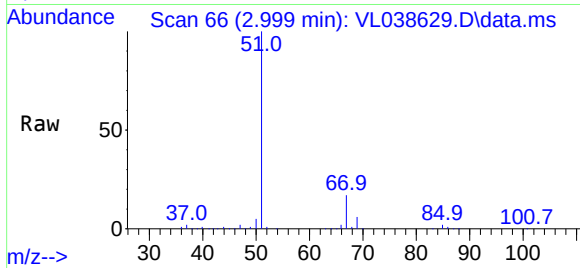
#3
Chlorodifluoromethane
Concen: 7.180 ppbv
RT: 2.999 min Scan# 60
Delta R.T. 0.013 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Instrument :
MSVOA_L
ClientSampleId :
IA-2A

Tgt Ion: 51 Resp: 1108570
Ion Ratio Lower Upper
51 100
67 15.8 13.6 20.4

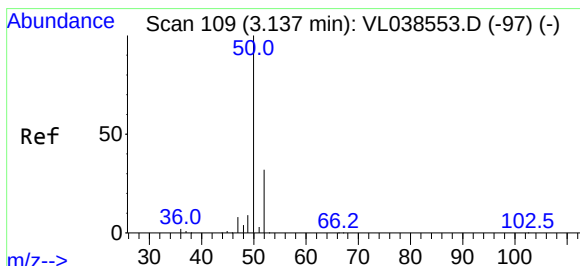
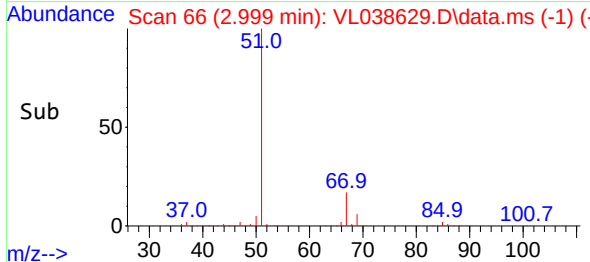
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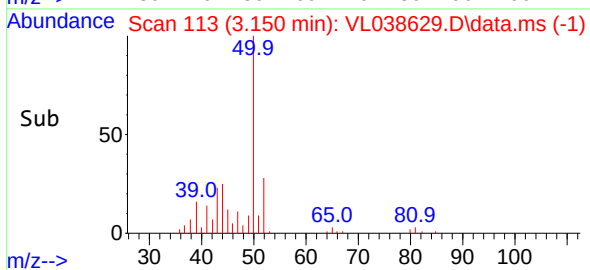
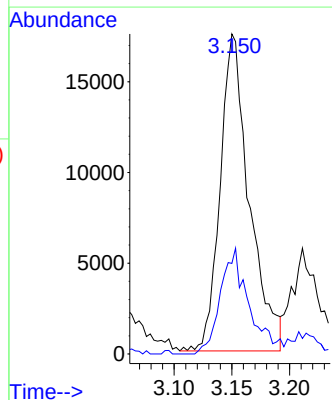
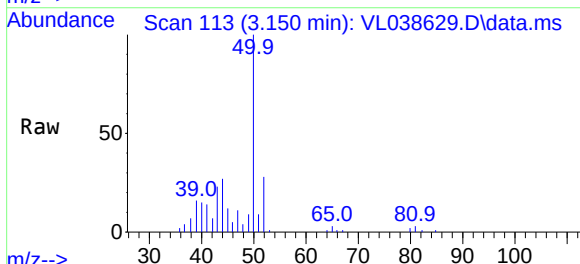
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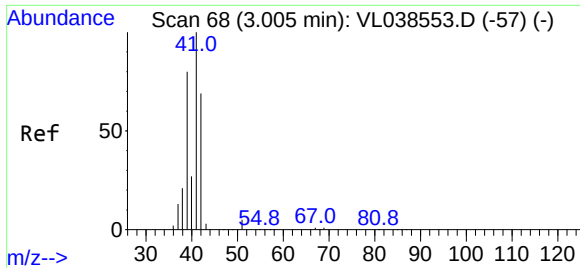
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#4
Chloromethane
Concen: 0.534 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.013 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Tgt Ion: 50 Resp: 30582
Ion Ratio Lower Upper
50 100
52 28.6 25.6 38.4





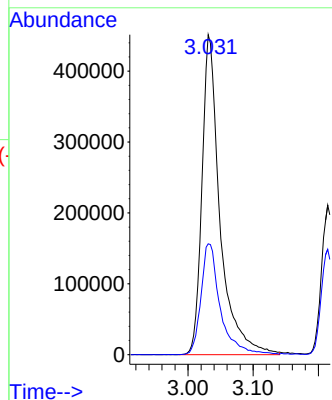
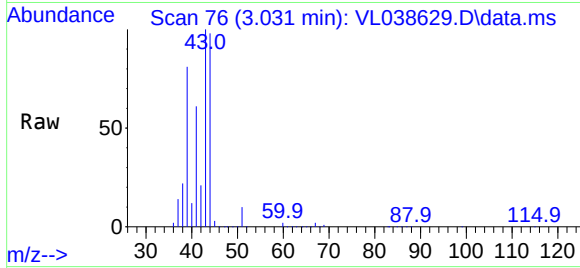
#9
Propene
Concen: 15.889 ppbv m
RT: 3.031 min Scan# 7
Delta R.T. 0.026 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Instrument :
MSVOA_L
ClientSampleId :
IA-2A

Tgt Ion: 41 Resp: 865638
Ion Ratio Lower Upper
41 100
42 29.3 55.7 83.5

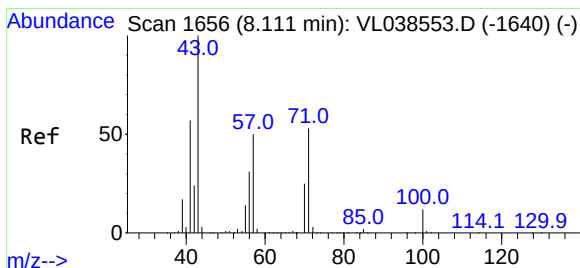
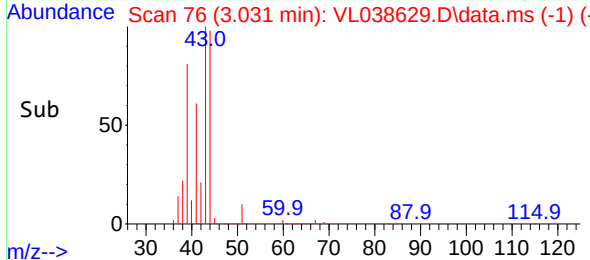
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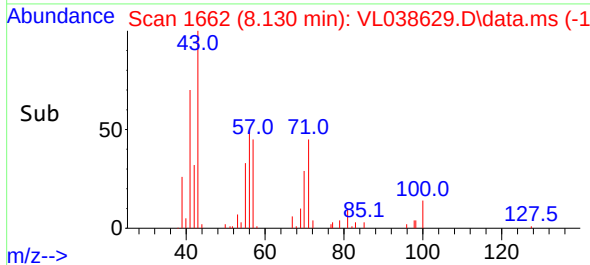
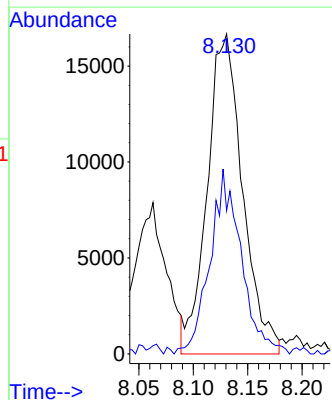
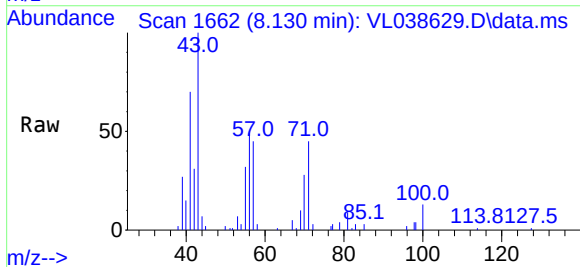
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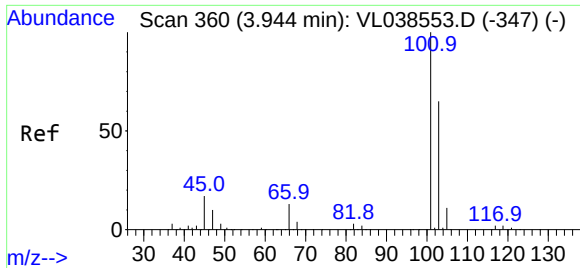
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#10
Heptane
Concen: 0.289 ppbv m
RT: 8.130 min Scan# 1662
Delta R.T. 0.019 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Tgt Ion: 43 Resp: 37672
Ion Ratio Lower Upper
43 100
57 51.4 39.6 59.4





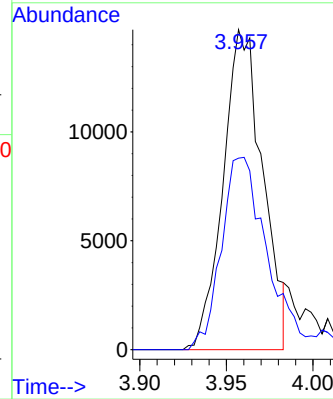
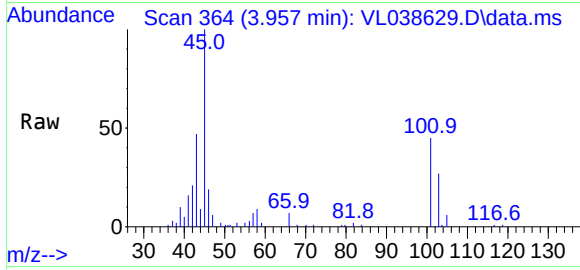
#11
Trichlorofluoromethane
Concen: 0.202 ppbv
RT: 3.957 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Instrument :
MSVOA_L
ClientSampleId :
IA-2A

Tgt Ion:101 Resp: 23380
Ion Ratio Lower Upper
101 100
103 61.0 52.0 78.0

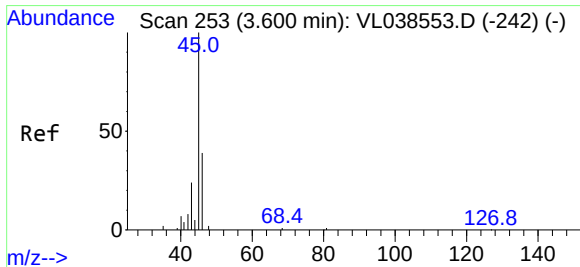
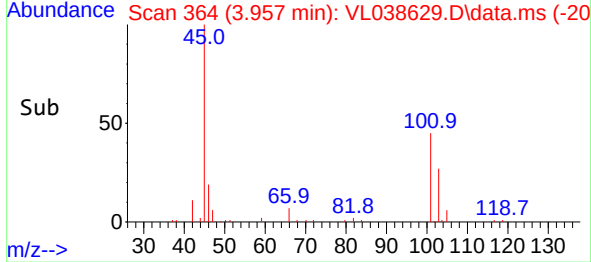
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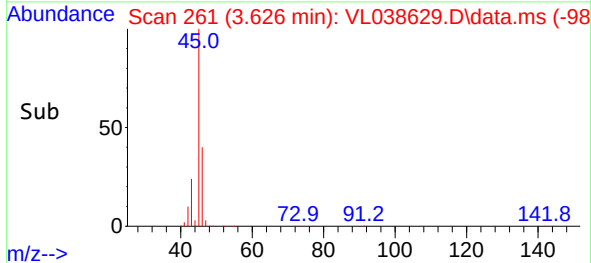
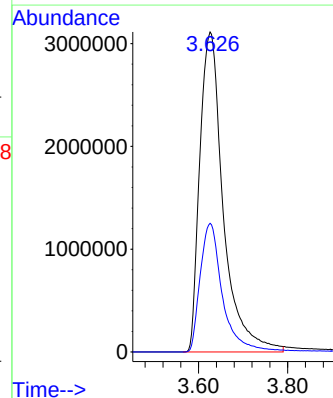
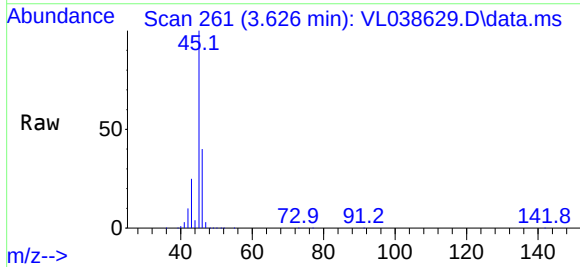
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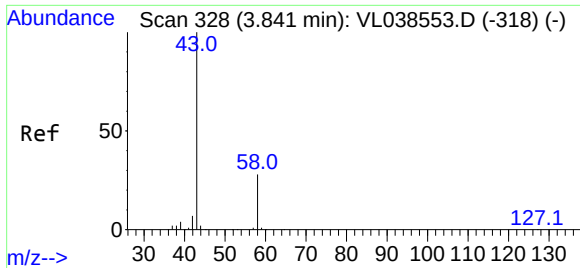
03/21/2022



#13
Ethanol
Concen: 1824.468 ppbv
RT: 3.626 min Scan# 261
Delta R.T. 0.026 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Tgt Ion: 45 Resp:11417951
Ion Ratio Lower Upper
45 100
46 39.1 16.8 67.0





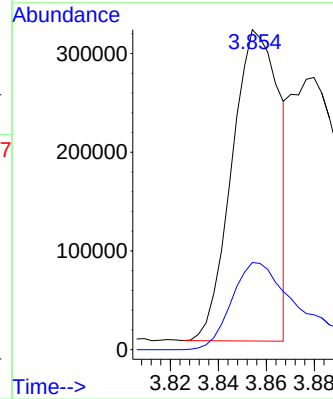
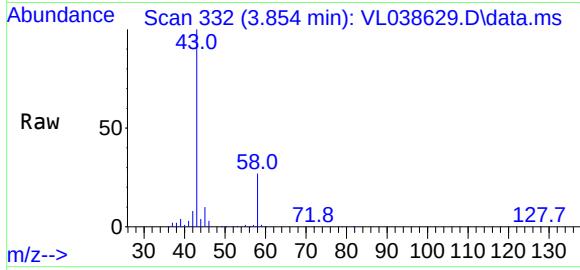
#15
Acetone
Concen: 7.008 ppbv
RT: 3.854 min Scan# 311
Delta R.T. 0.013 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Instrument :
MSVOA_L
ClientSampleId :
IA-2A

Tgt Ion: 43 Resp: 432815
Ion Ratio Lower Upper
43 100
58 44.2 22.7 34.1

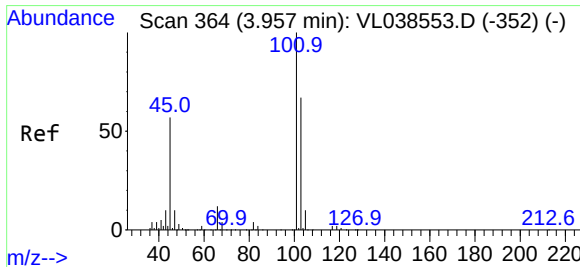
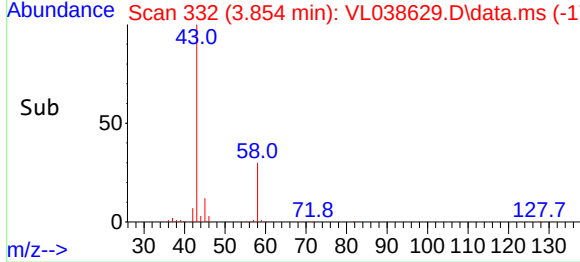
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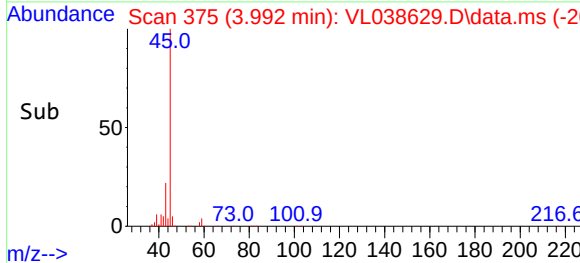
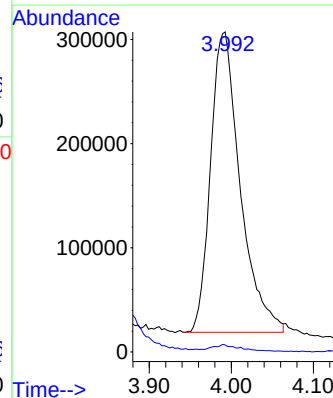
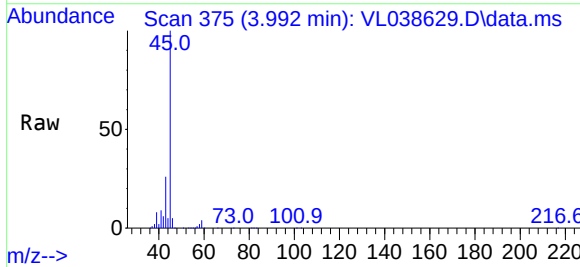
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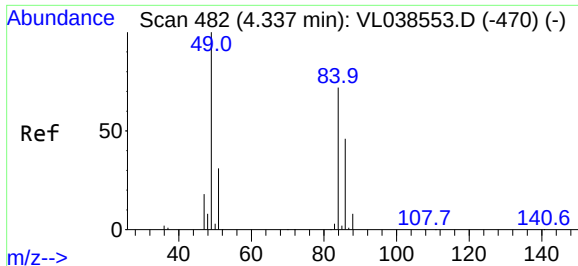
03/21/2022



#19
Isopropyl Alcohol
Concen: 17.579 ppbv
RT: 3.992 min Scan# 375
Delta R.T. 0.035 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

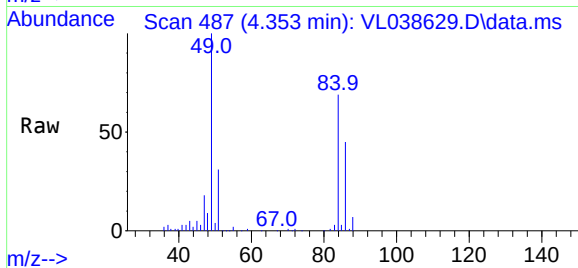
Tgt Ion: 45 Resp: 724966
Ion Ratio Lower Upper
45 100
58 2.8 2.2 3.2





#20
Methylene Chloride
Concen: 3.868 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

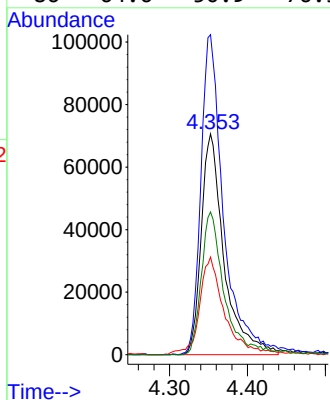
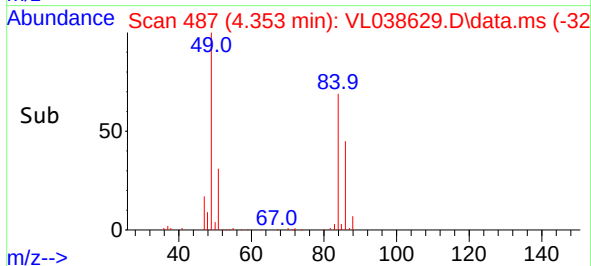
Instrument :
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IA-2A



Tgt Ion: 84 Resp: 143769
Ion Ratio Lower Upper
84 100
49 144.9 111.1 166.7
51 43.2 34.0 51.0
86 64.6 50.9 76.3

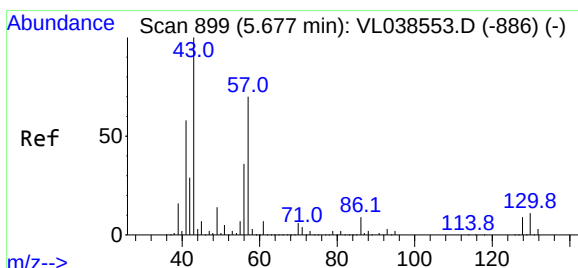
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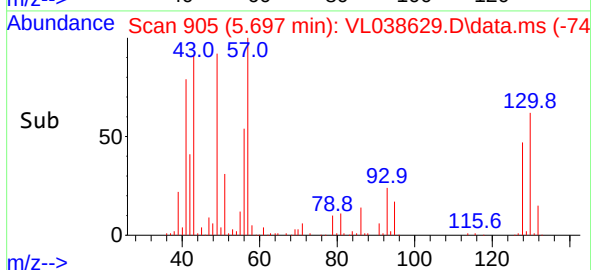
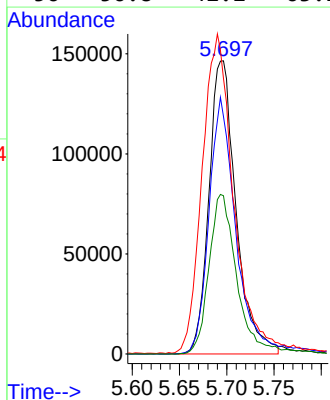
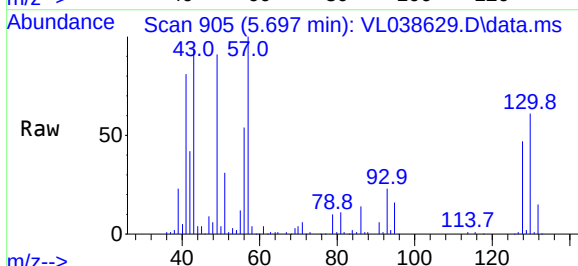
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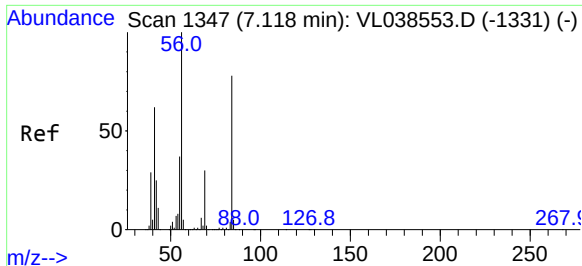
03/21/2022



#26
Hexane
Concen: 2.989 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.019 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

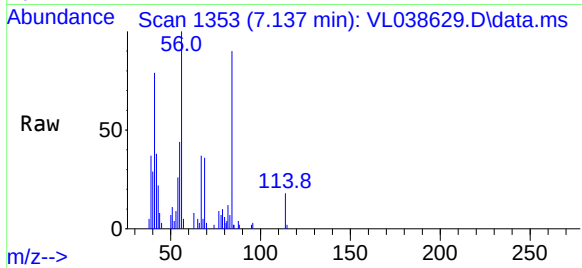
Tgt Ion: 57 Resp: 291984
Ion Ratio Lower Upper
57 100
41 88.2 67.8 101.6
43 129.5 173.6 260.4#
56 56.8 42.2 63.2





#30
Cyclohexane
Concen: 0.318 ppbv
RT: 7.137 min Scan# 1353
Delta R.T. 0.019 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

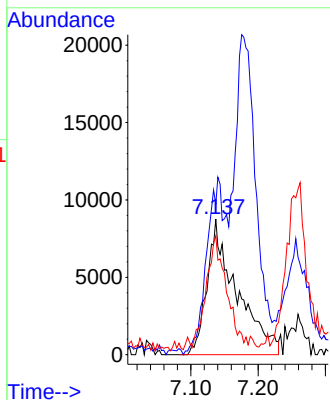
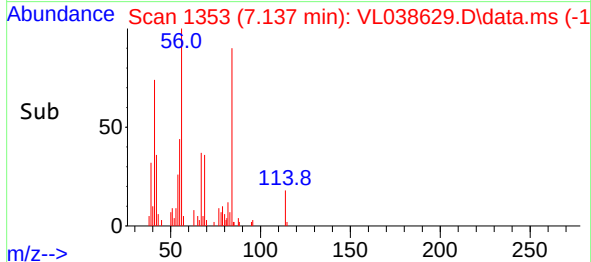
Instrument :
MSVOA_L
ClientSampleId :
IA-2A



Tgt Ion: 84 Resp: 26834
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.0
41 63.8 65.5 98.3

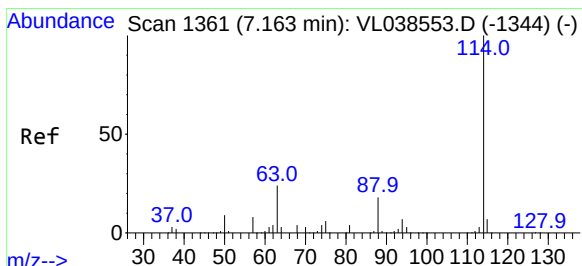
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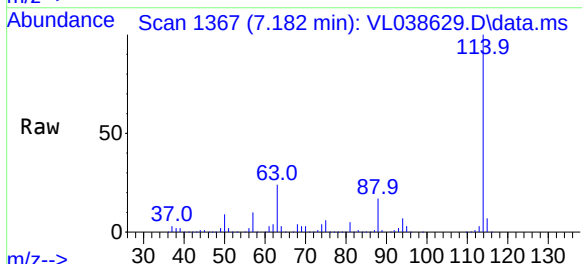


03/19/2022
Supervised By :Mahesh
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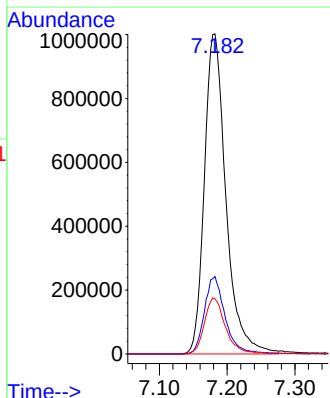
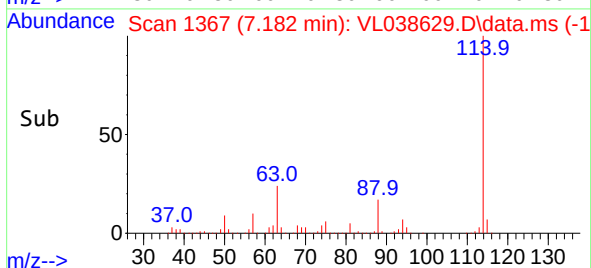
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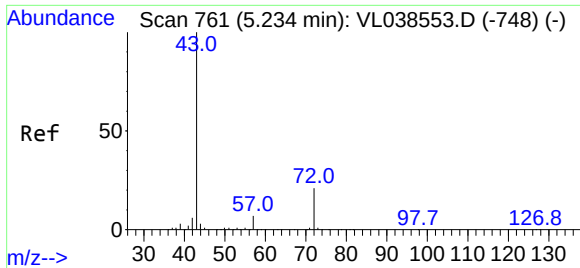


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.019 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54



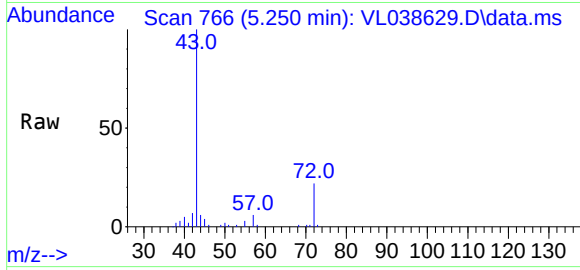
Tgt Ion:114 Resp: 2210770
Ion Ratio Lower Upper
114 100
63 23.6 19.6 29.4
88 17.2 13.9 20.9





#34
2-Butanone
Concen: 1.065 ppbv
RT: 5.250 min Scan# 761
Delta R.T. 0.016 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

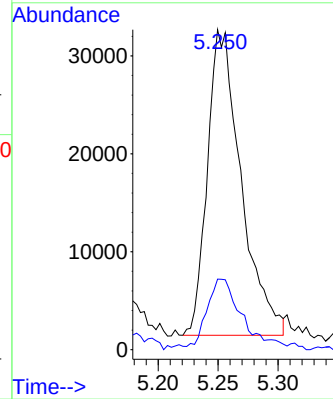
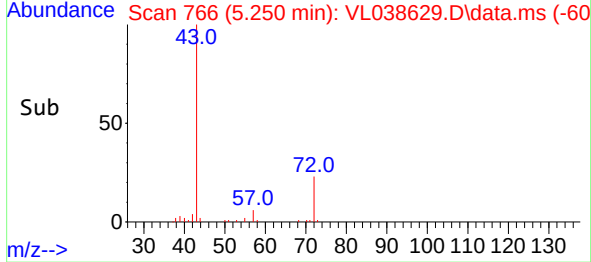
Instrument :
MSVOA_L
ClientSampleId :
IA-2A



Tgt Ion: 43 Resp: 6104
Ion Ratio Lower Upper
43 100
72 25.5 17.8 26.6

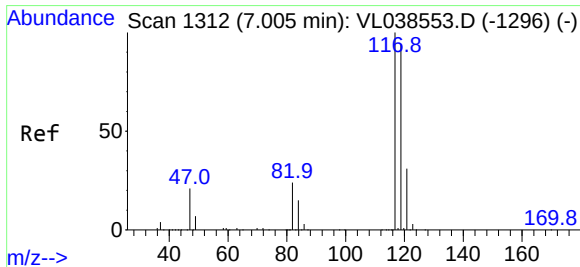
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Supervised By :Mahesh Dadoda 03/21/2022



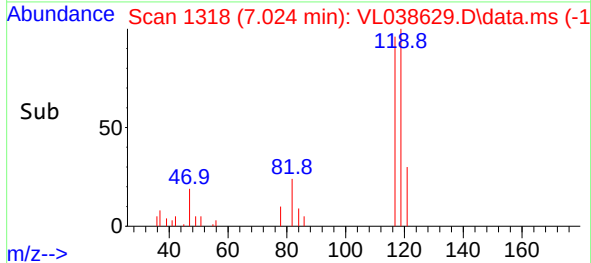
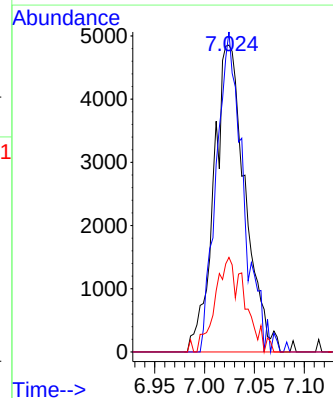
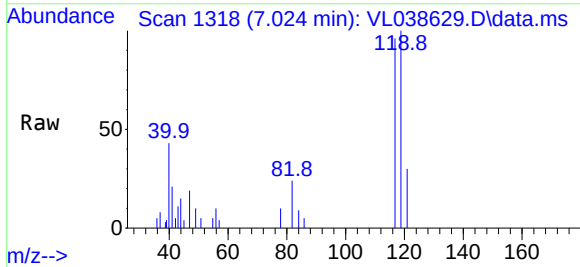
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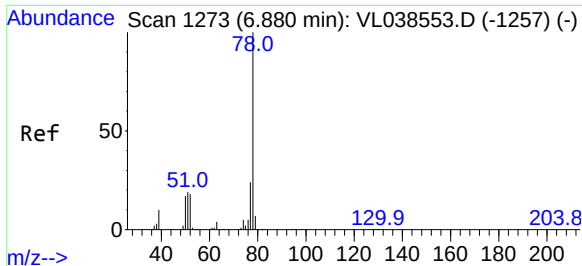
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#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 7.024 min Scan# 1318
Delta R.T. 0.019 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

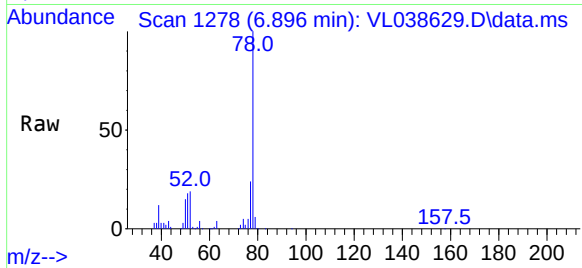
Tgt Ion:117 Resp: 10619
Ion Ratio Lower Upper
117 100
119 104.3 75.2 112.8
121 30.8 24.8 37.2





#36
Benzene
Concen: 0.677 ppbv
RT: 6.896 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

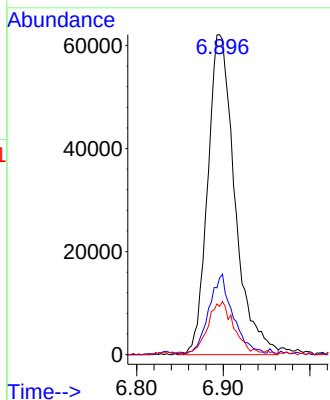
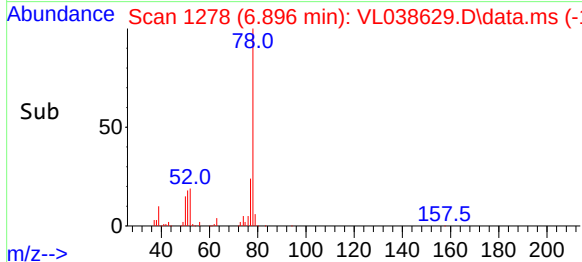
Instrument :
MSVOA_L
ClientSampleId :
IA-2A



Tgt Ion: 78 Resp: 13504
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4
50 14.8 13.9 20.9

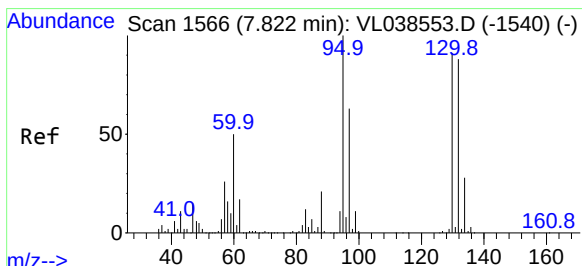
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Supervised By :Mahesh Dadoda 03/21/2022



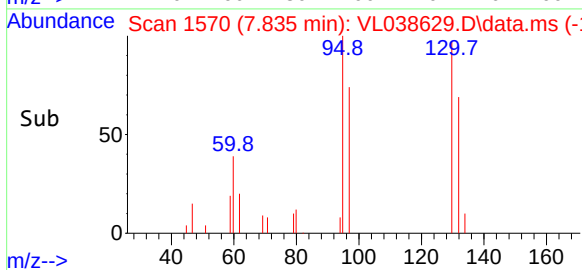
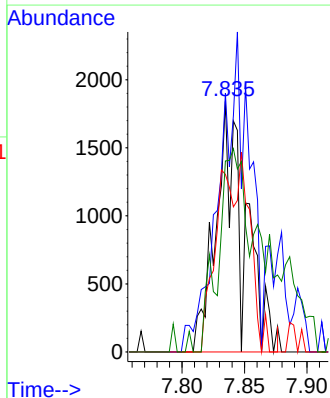
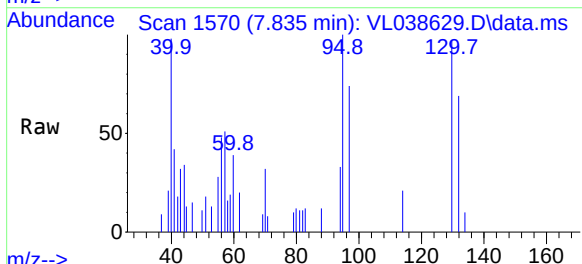
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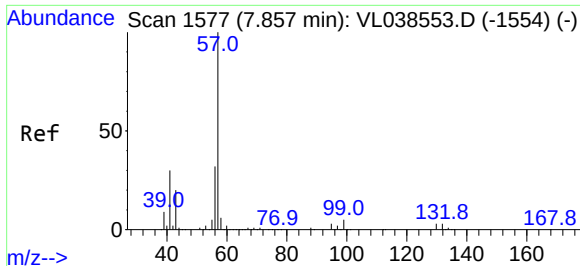
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#38
Trichloroethene
Concen: 0.037 ppbv m
RT: 7.835 min Scan# 1570
Delta R.T. 0.013 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

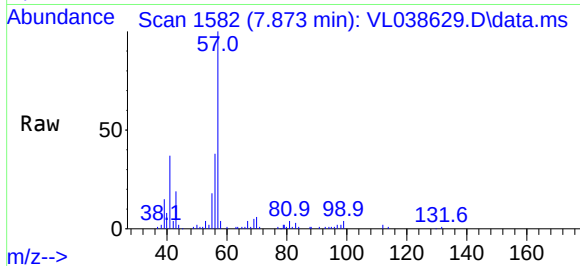
Tgt Ion:130 Resp: 2962
Ion Ratio Lower Upper
130 100
95 103.3 87.8 131.8
132 70.8 77.5 116.3#
97 76.2 55.4 83.2





#44
2,2,4-Trimethylpentane
Concen: 0.252 ppbv
RT: 7.873 min Scan# 1577
Delta R.T. 0.016 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

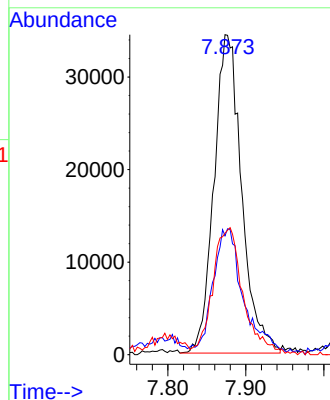
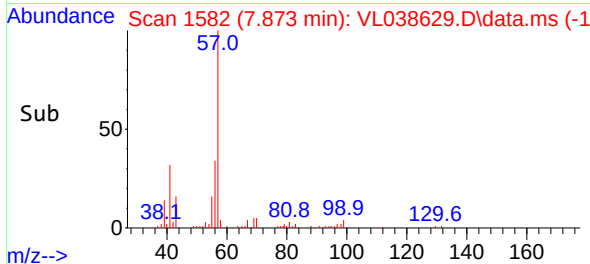
Instrument :
MSVOA_L
ClientSampleId :
IA-2A



Tgt Ion: 57 Resp: 8492
Ion Ratio Lower Upper
57 100
41 45.4 24.0 36.0
56 44.2 25.6 38.4

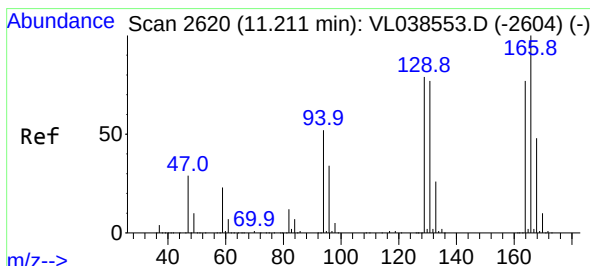
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Supervised By :Mahesh Dadoda 03/21/2022

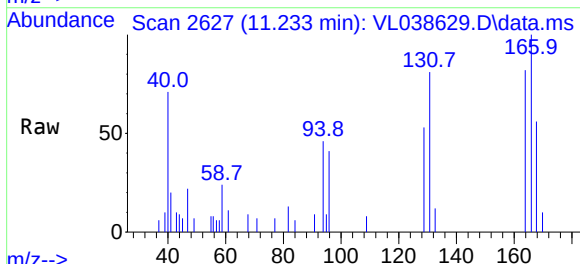


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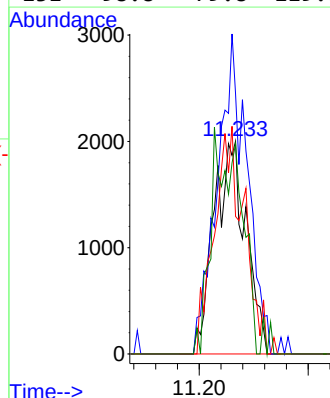
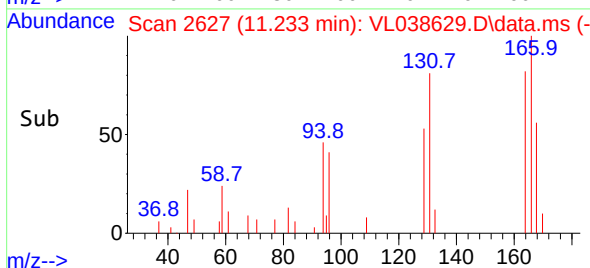
03/21/2022

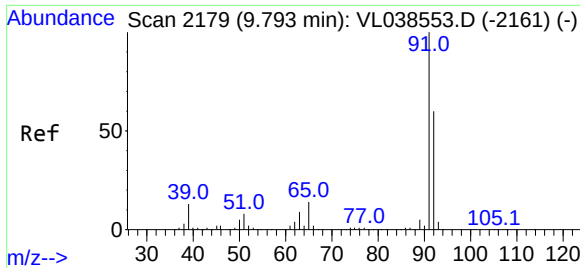


#52
Tetrachloroethene
Concen: 0.056 ppbv m
RT: 11.233 min Scan# 2627
Delta R.T. 0.022 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54



Tgt Ion:164 Resp: 4093
Ion Ratio Lower Upper
164 100
166 122.2 103.4 155.2
129 64.7 81.3 121.9
131 98.8 79.8 119.8





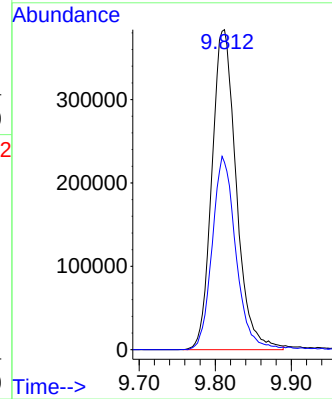
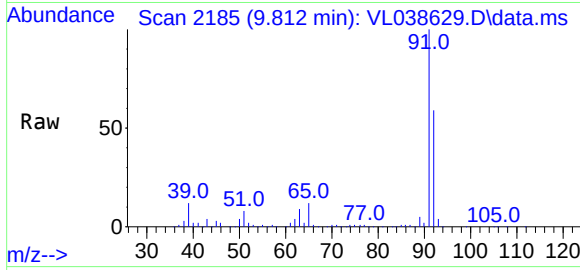
#53
Toluene
Concen: 4.007 ppbv
RT: 9.812 min Scan# 2179
Delta R.T. 0.019 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Instrument :
MSVOA_L
ClientSampleId :
IA-2A

Tgt Ion: 91 Resp: 853369
Ion Ratio Lower Upper
91 100
92 59.4 48.1 72.1

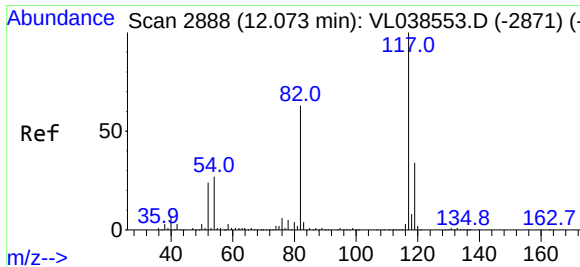
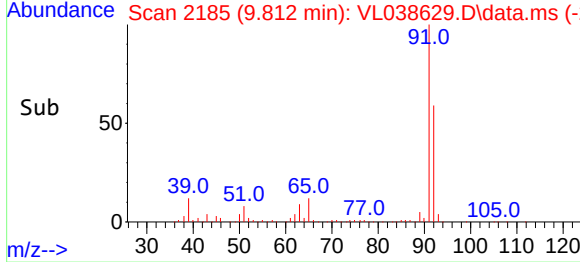
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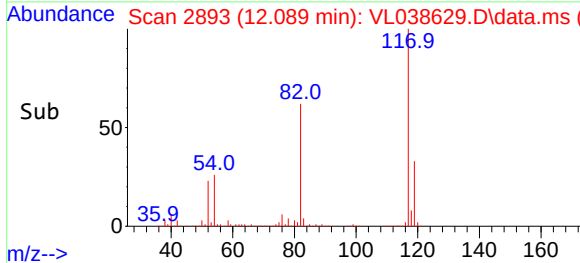
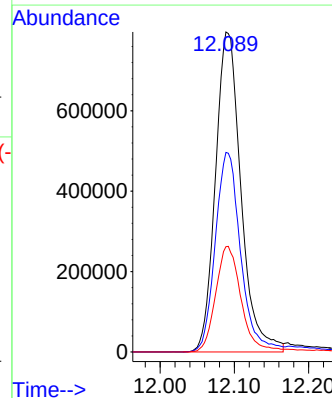
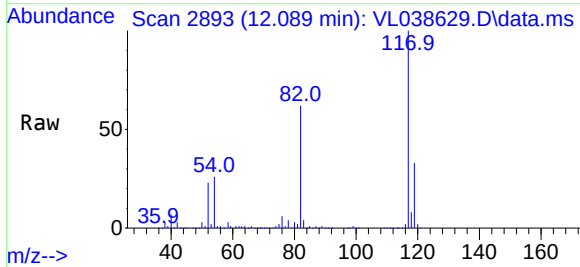
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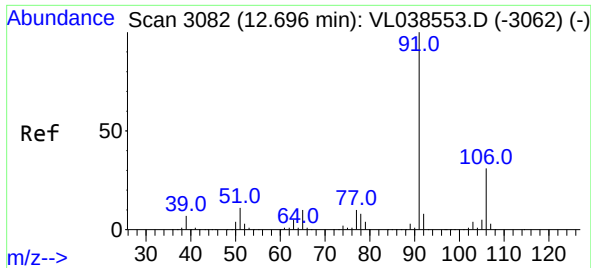
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. 0.016 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Tgt Ion:117 Resp: 1905109
Ion Ratio Lower Upper
117 100
82 65.8 52.5 78.7
119 34.0 46.4 69.6#





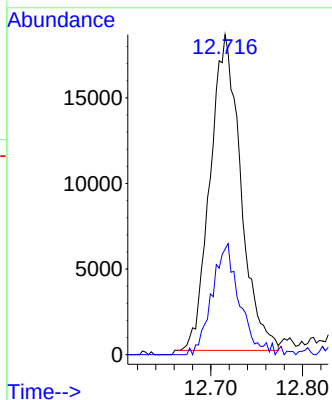
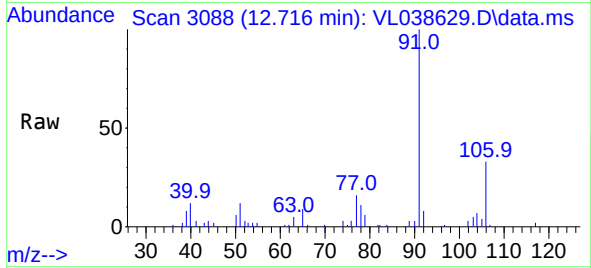
#58
Ethyl Benzene
Concen: 0.174 ppbv
RT: 12.716 min Scan# 3088
Delta R.T. 0.019 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Instrument : MSVOA_L
ClientSampleId : IA-2A

Tgt Ion: 91 Resp: 42798
Ion Ratio Lower Upper
91 100
106 34.5 24.6 37.0

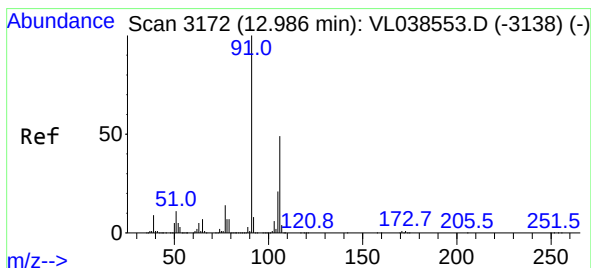
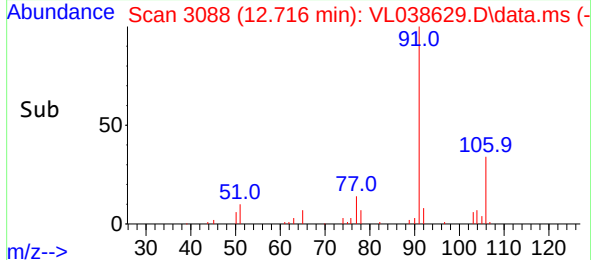
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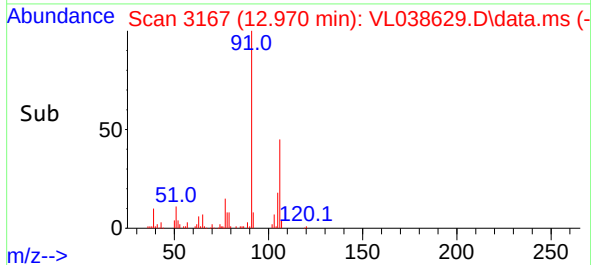
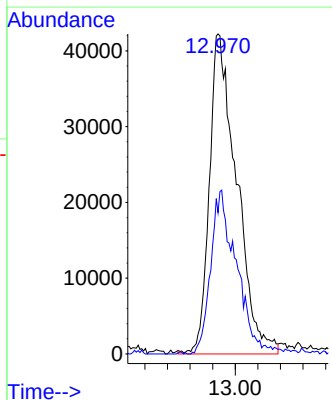
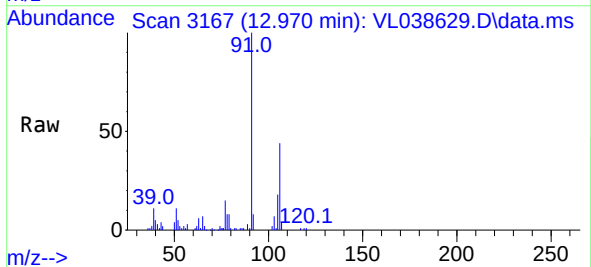
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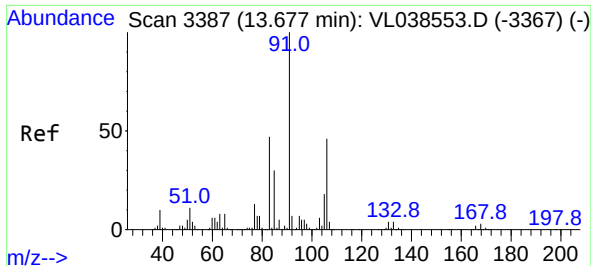
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#59
m/p-Xylene
Concen: 0.670 ppbv m
RT: 12.970 min Scan# 3167
Delta R.T. -0.016 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Tgt Ion: 91 Resp: 141428
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#





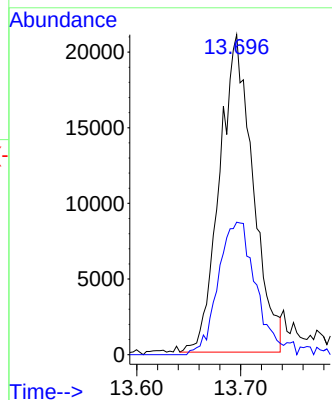
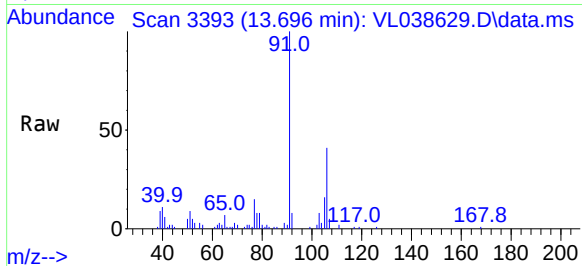
#60
o-Xylene
Concen: 0.235 ppbv
RT: 13.696 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

Instrument :
MSVOA_L
ClientSampleId :
IA-2A

Tgt Ion: 91 Resp: 46930
Ion Ratio Lower Upper
91 100
106 47.4 23.5 70.6

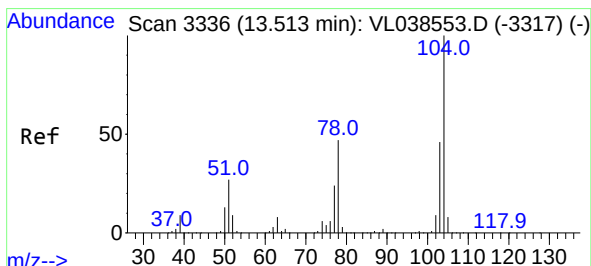
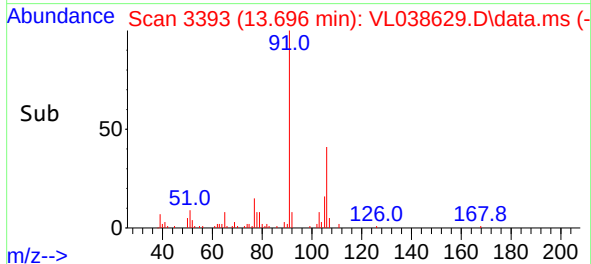
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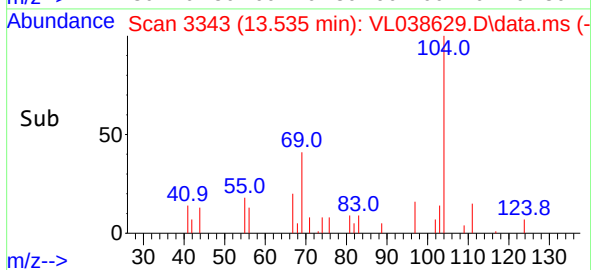
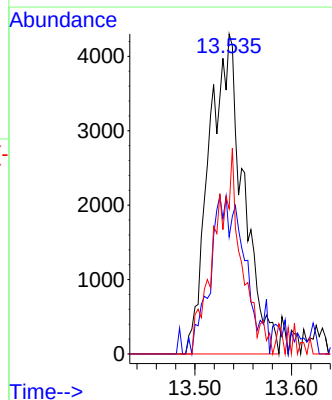
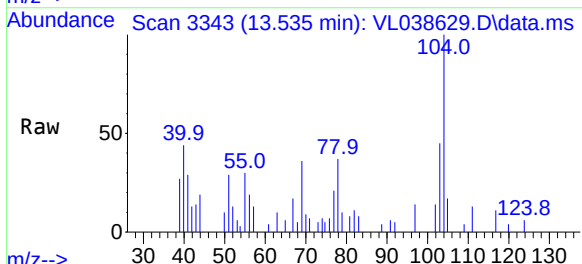
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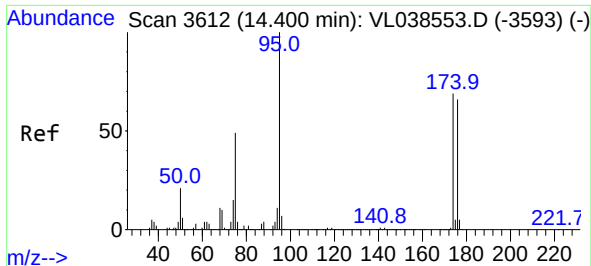
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#61
Styrene
Concen: 0.109 ppbv m
RT: 13.535 min Scan# 3343
Delta R.T. 0.022 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

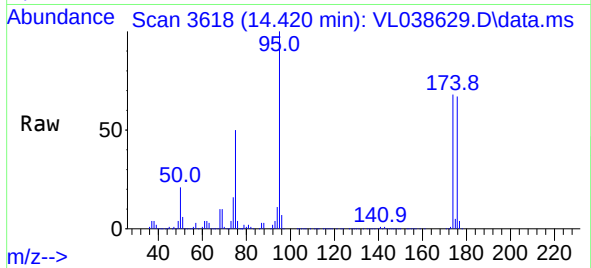
Tgt Ion:104 Resp: 10678
Ion Ratio Lower Upper
104 100
78 58.1 39.0 58.4
103 0.0 38.0 57.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.391 ppbv
RT: 14.420 min Scan# 30
Delta R.T. 0.019 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54

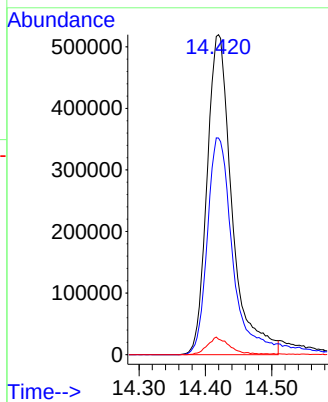
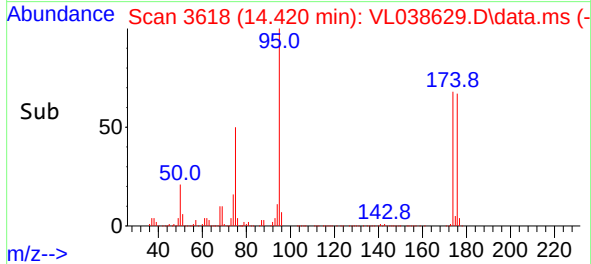
Instrument :
MSVOA_L
ClientSampleId :
IA-2A



Tgt Ion: 95 Resp: 136016
Ion Ratio Lower Upper
95 100
174 72.9 56.2 84.4
175 5.1 4.2 6.2

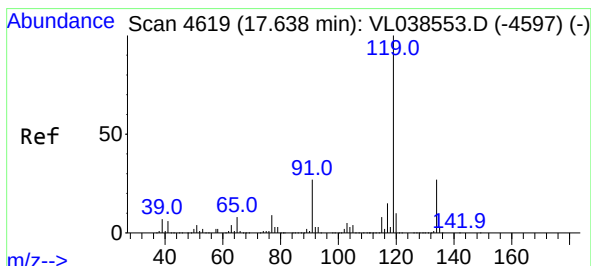
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Supervised By :Mahesh Dadoda 03/21/2022

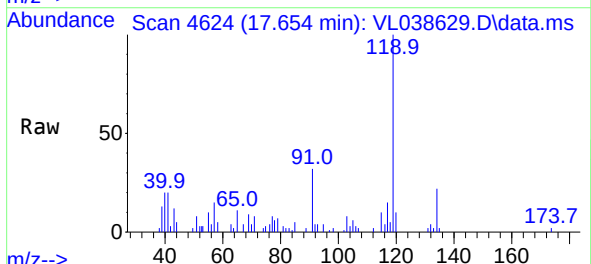


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Supervised By :Mahesh
Dadoda

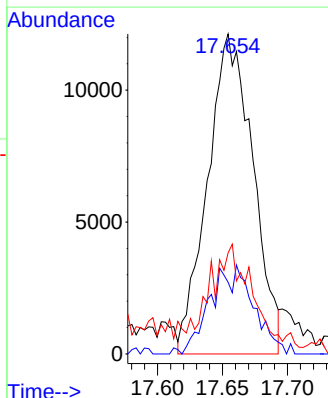
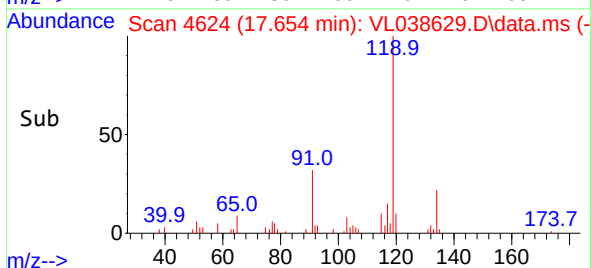
03/21/2022

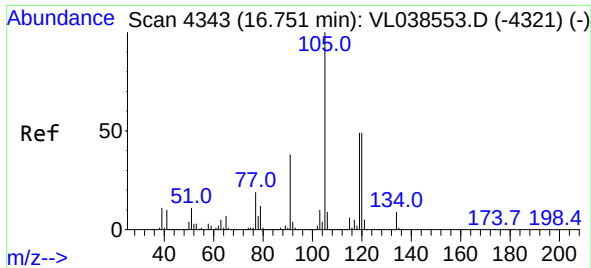


#69
p-Isopropyltoluene
Concen: 0.102 ppbv
RT: 17.654 min Scan# 4624
Delta R.T. 0.016 min
Lab File: VL038629.D
Acq: 17 Mar 2022 16:54



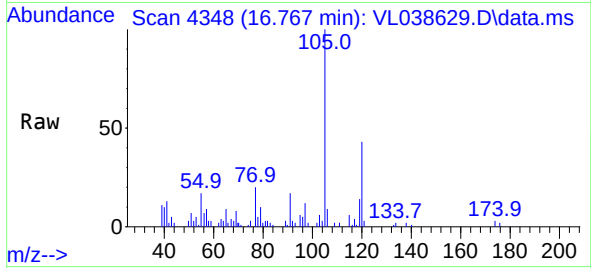
Tgt Ion:119 Resp: 29497
Ion Ratio Lower Upper
119 100
134 26.8 20.9 31.3
91 38.3 21.1 31.7#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.176 ppbv m
 RT: 16.767 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL038629.D
 Acq: 17 Mar 2022 16:54

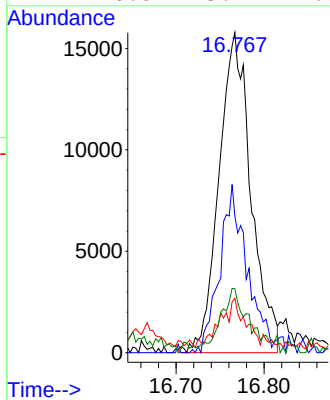
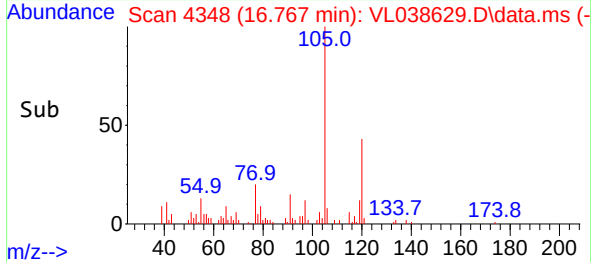
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2A



Tgt Ion:	105	Resp:	39920
Ion	Ratio	Lower	Upper
105	100		
120	42.7	38.9	58.3
91	17.0	30.6	46.0
77	20.0	15.2	22.8

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 Supervised By :Mahesh Dadoda 03/21/2022



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