

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040722\
 Data File : VL038839.D
 Acq On : 7 Apr 2022 13:37
 Operator : SY/AP
 Sample : N2245-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BD-INDOOR

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022
 Supervised By :Mahesh Dadoda 04/11/2022

Quant Time: Apr 08 05:24:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.684	49	1275417	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.192	114	3281965	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.101	117	2869690	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	2167131	9.956	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.066	85	53097	0.294	ppbv	97
3) Chlorodifluoromethane	3.002	51	84305	0.542	ppbv #	92
4) Chloromethane	3.160	50	39405	0.489	ppbv #	89
9) Propene	3.044	41	59043m	0.717	ppbv	
11) Trichlorofluoromethane	3.967	101	38730m	0.266	ppbv	
13) Ethanol	3.616	45	218917	43.742	ppbv #	100
15) Acetone	3.867	43	592999	4.670	ppbv	95
19) Isopropyl Alcohol	3.989	45	74402m	1.146	ppbv	
20) Methylene Chloride	4.359	84	3898956	84.665	ppbv	93
26) Hexane	5.706	57	3576275	24.386	ppbv #	39
30) Cyclohexane	7.143	84	24787m	0.192	ppbv	
34) 2-Butanone	5.266	43	31149	0.240	ppbv #	91
35) Carbon Tetrachloride	7.041	117	14777m	0.075	ppbv	
36) Benzene	6.909	78	47564	0.159	ppbv	96
44) 2,2,4-Trimethylpentane	7.889	57	74716	0.148	ppbv #	88
52) Tetrachloroethene	11.233	164	6357m	0.061	ppbv	
53) Toluene	9.822	91	126334	0.367	ppbv	99
59) m/p-Xylene	12.982	91	66294m	0.184	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	79984m	0.209	ppbv	

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

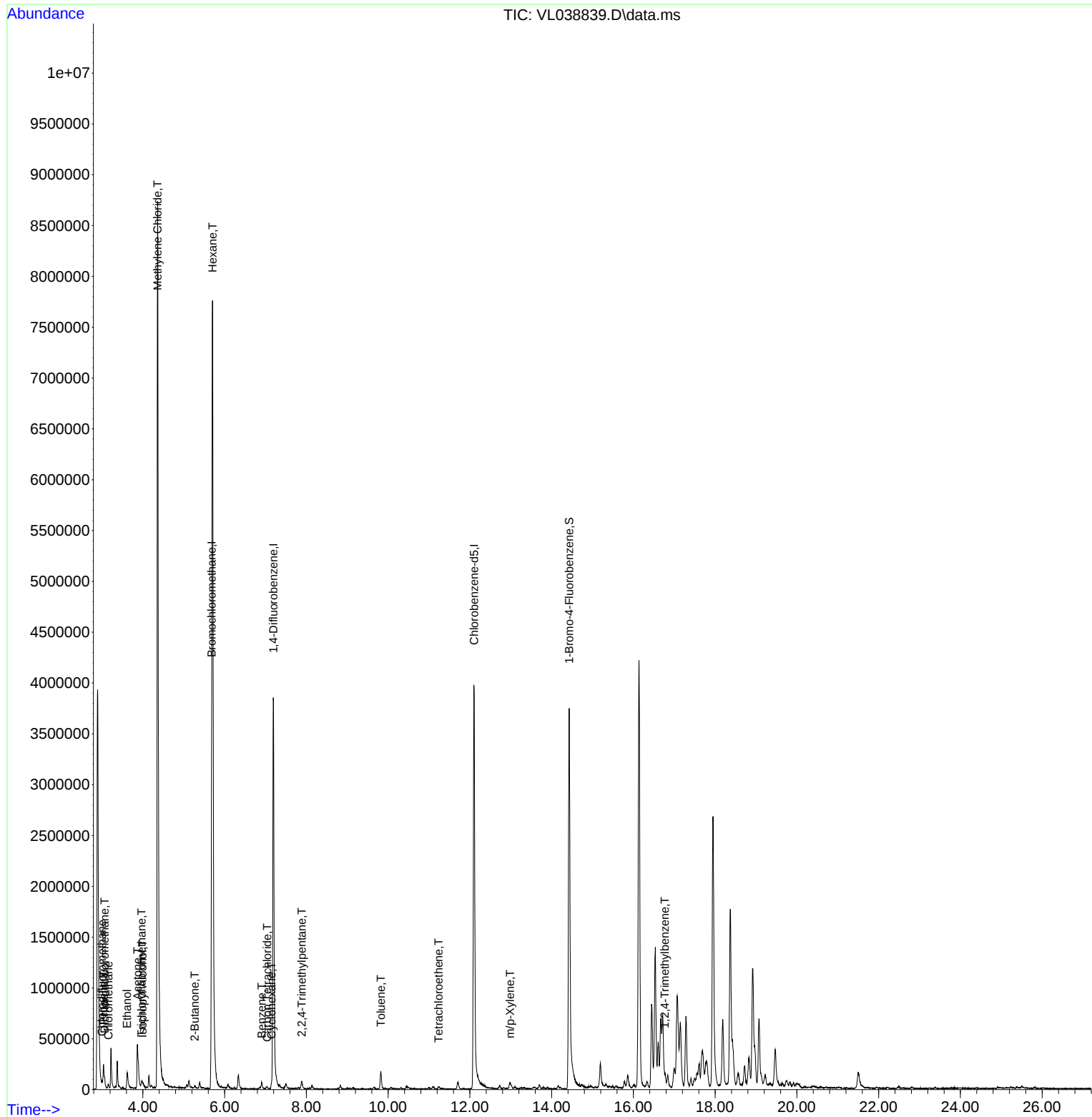
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040722\
Data File : VL038839.D
Acq On : 7 Apr 2022 13:37
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ALS Vial : 1 Sample Multiplier: 1

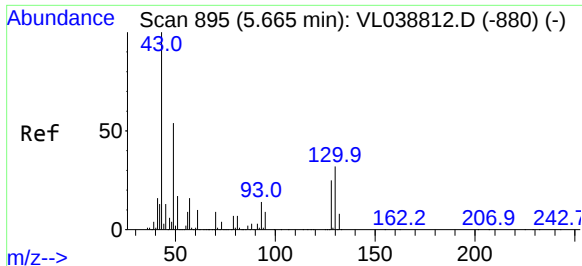
Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR

Quant Time: Apr 08 05:24:25 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

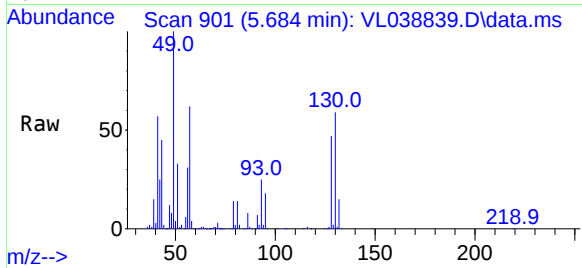
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.684 min Scan# 90
Delta R.T. 0.019 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

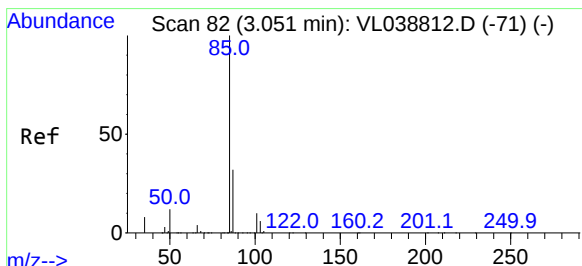
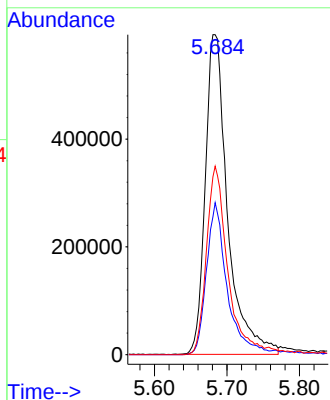
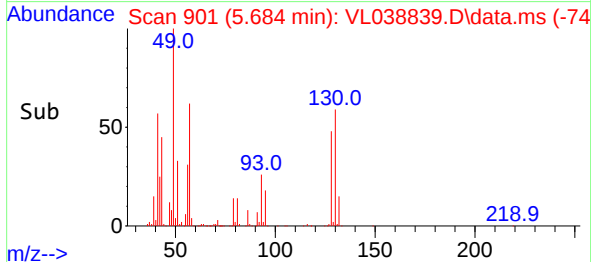
Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR



Tgt Ion: 49 Resp: 127541
Ion Ratio Lower Upper
49 100
128 45.4 24.1 72.3
130 58.5 30.9 92.8

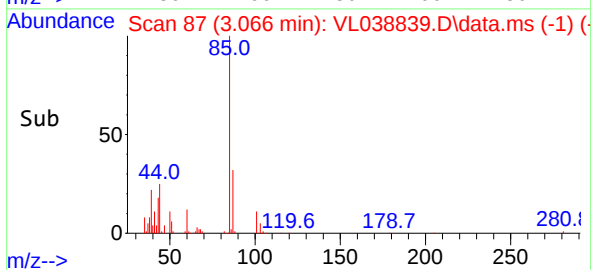
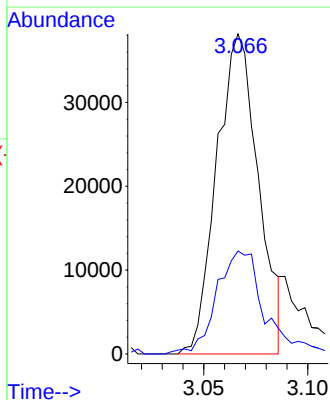
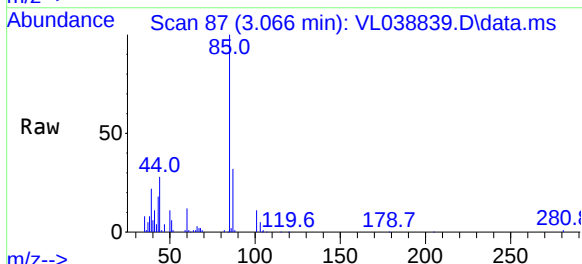
Manual Integrations
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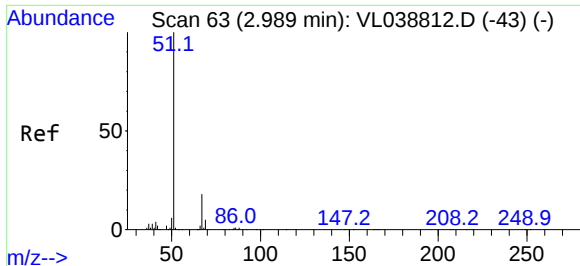
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#2
Dichlorodifluoromethane
Concen: 0.294 ppbv
RT: 3.066 min Scan# 87
Delta R.T. 0.016 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

Tgt Ion: 85 Resp: 53097
Ion Ratio Lower Upper
85 100
87 30.9 25.9 38.9





#3

Chlorodifluoromethane

Concen: 0.542 ppbv

RT: 3.002 min Scan# 61

Delta R.T. 0.013 min

Lab File: VL038839.D

Acq: 7 Apr 2022 13:37

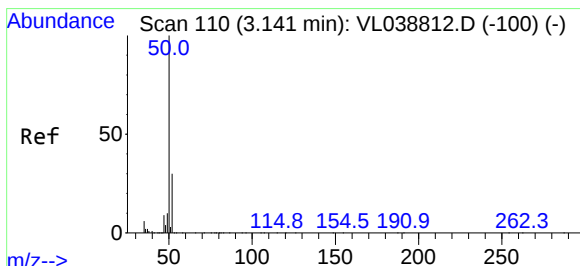
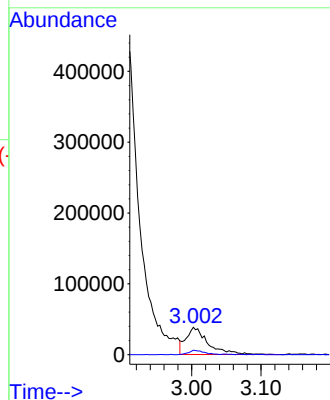
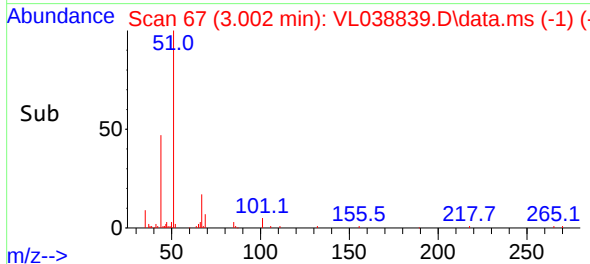
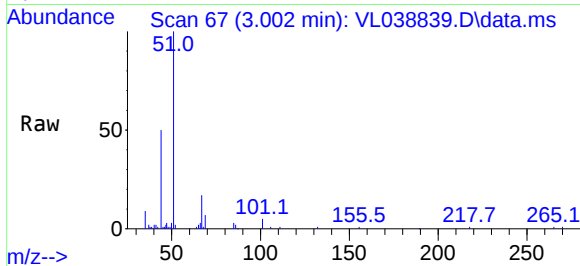
Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR

Tgt Ion: 51 Resp: 84305

Ion	Ratio	Lower	Upper
51	100		
67	13.1	13.4	20.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#4

Chloromethane

Concen: 0.489 ppbv

RT: 3.160 min Scan# 116

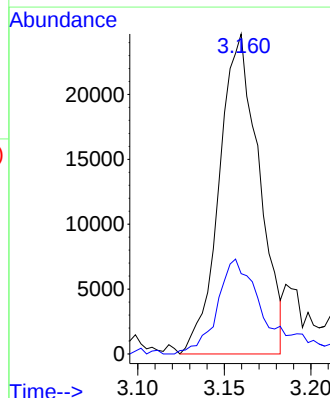
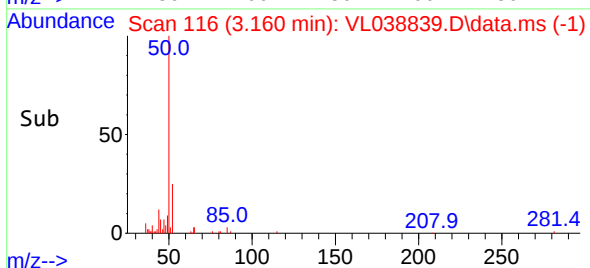
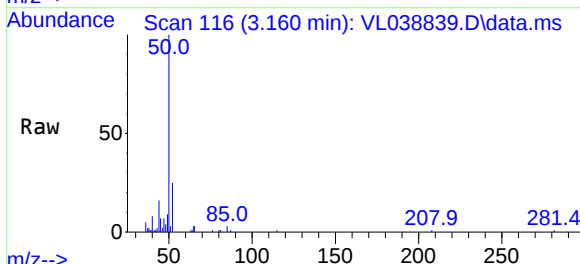
Delta R.T. 0.019 min

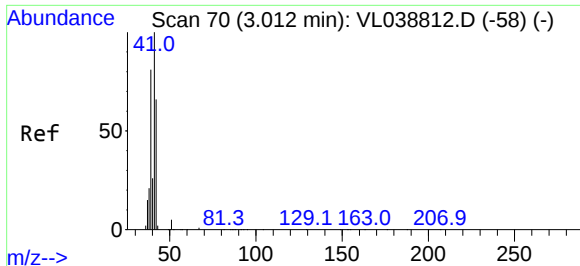
Lab File: VL038839.D

Acq: 7 Apr 2022 13:37

Tgt Ion: 50 Resp: 39405

Ion	Ratio	Lower	Upper
50	100		
52	24.3	24.3	36.5





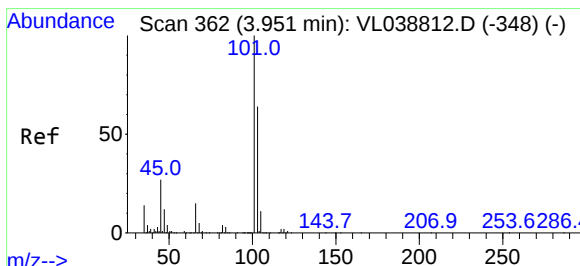
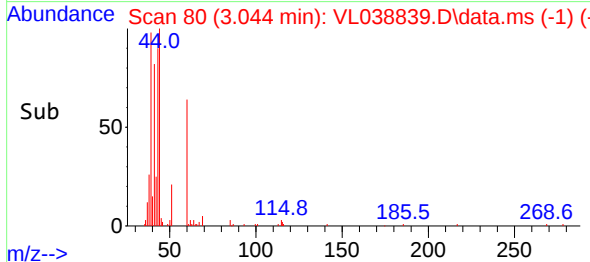
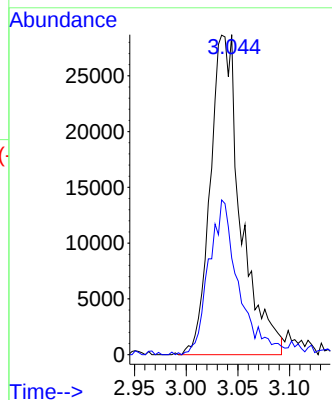
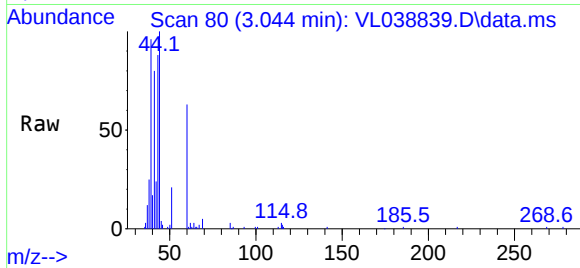
#9
Propene
Concen: 0.717 ppbv m
RT: 3.044 min Scan# 80
Delta R.T. 0.032 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR

Tgt Ion: 41 Resp: 5904
Ion Ratio Lower Upper
41 100
42 161.2 54.2 81.4

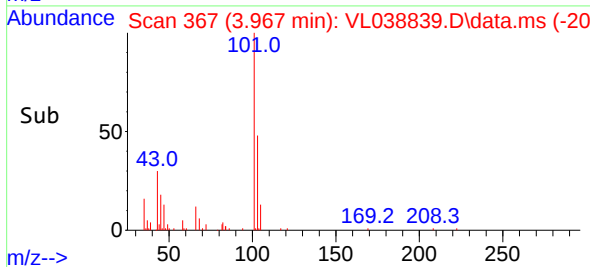
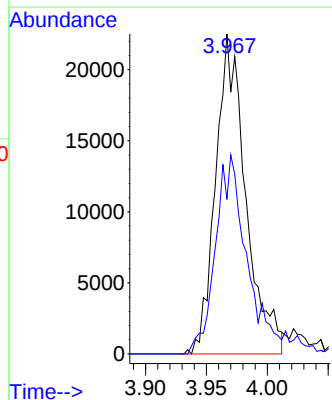
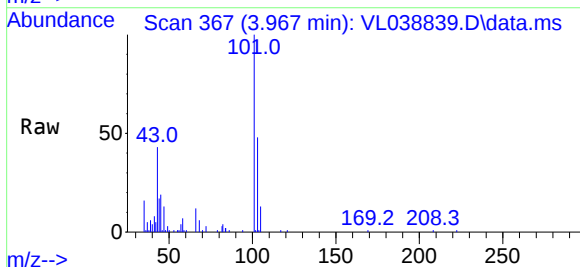
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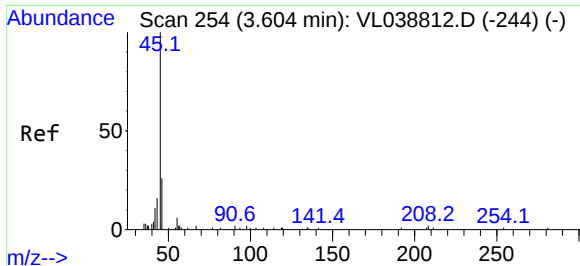
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#11
Trichlorofluoromethane
Concen: 0.266 ppbv m
RT: 3.967 min Scan# 367
Delta R.T. 0.016 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

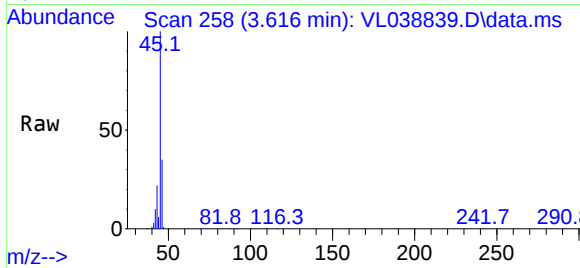
Tgt Ion:101 Resp: 38730
Ion Ratio Lower Upper
101 100
103 48.3 51.4 77.0





#13
Ethanol
Concen: 43.742 ppbv
RT: 3.616 min Scan# 21891
Delta R.T. 0.013 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

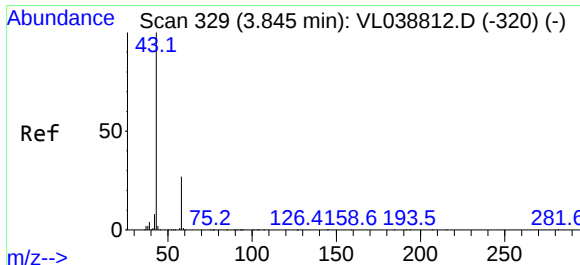
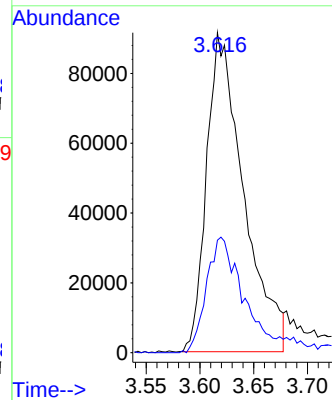
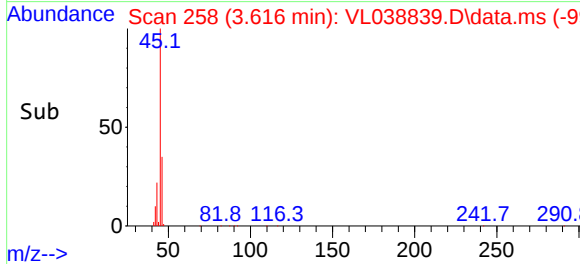
Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR



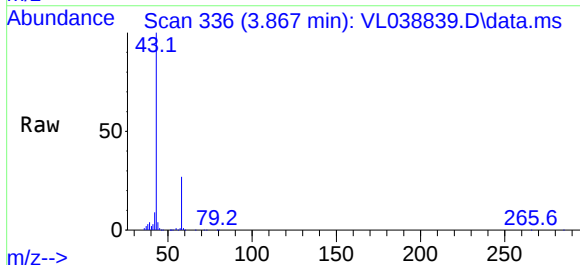
Tgt Ion: 45 Resp: 21891
Ion Ratio Lower Upper
45 100
46 40.4 0.0 0.0

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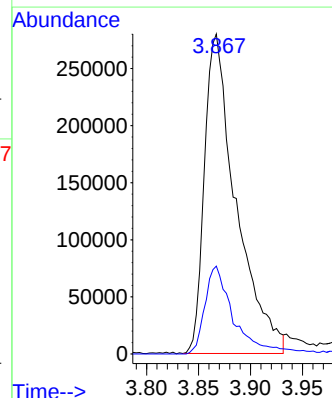
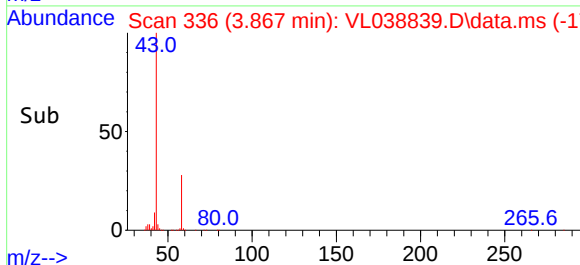
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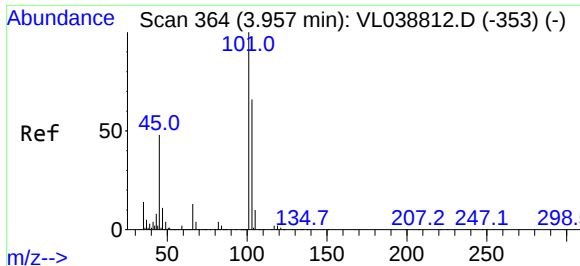


#15
Acetone
Concen: 4.670 ppbv
RT: 3.867 min Scan# 336
Delta R.T. 0.022 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37



Tgt Ion: 43 Resp: 592999
Ion Ratio Lower Upper
43 100
58 25.7 22.5 33.7





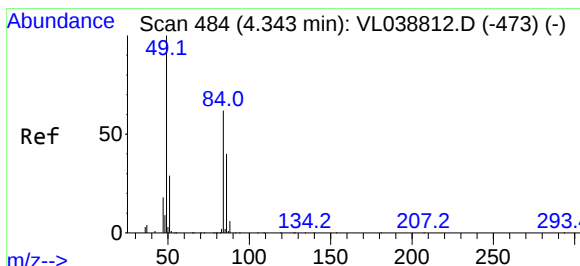
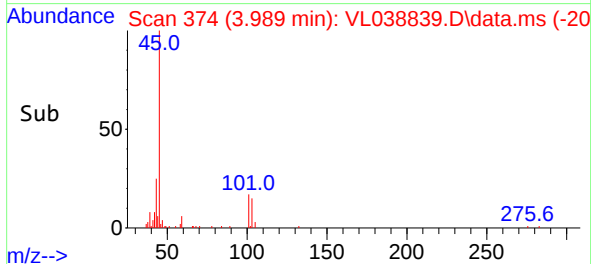
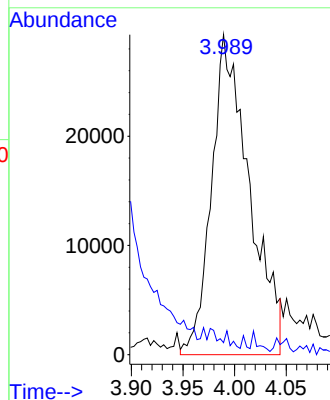
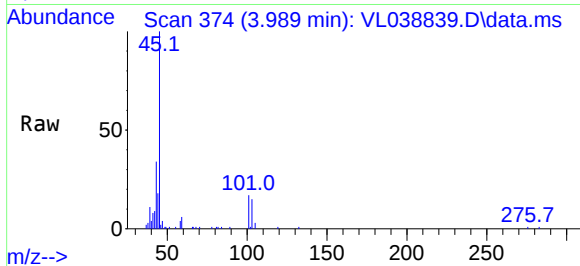
#19
Isopropyl Alcohol
Concen: 1.146 ppbv m
RT: 3.989 min Scan# 31
Delta R.T. 0.032 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR

Tgt Ion: 45 Resp: 7440
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0

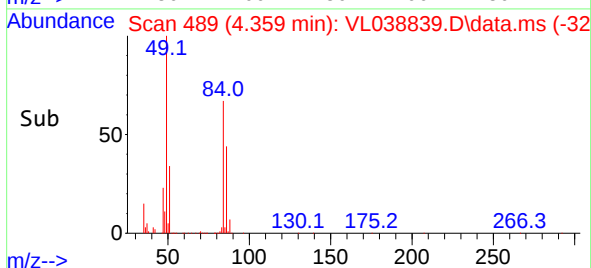
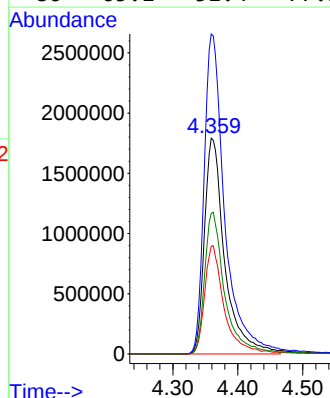
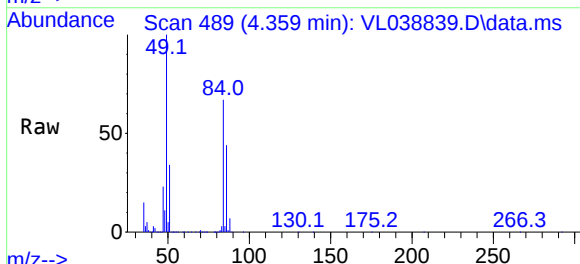
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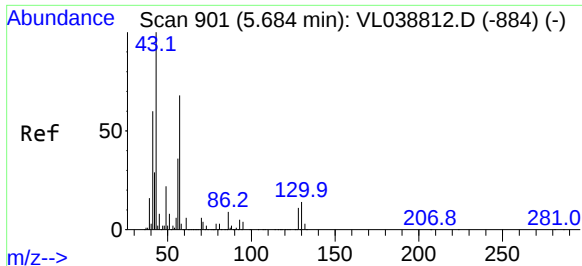
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#20
Methylene Chloride
Concen: 84.665 ppbv
RT: 4.359 min Scan# 489
Delta R.T. 0.016 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

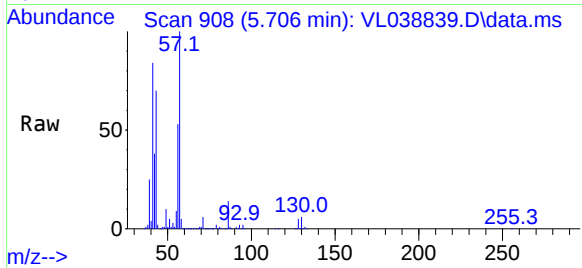
Tgt Ion: 84 Resp: 3898956
Ion Ratio Lower Upper
84 100
49 148.2 129.4 194.0
51 50.0 37.4 56.2
86 65.1 51.4 77.2





#26
Hexane
Concen: 24.386 ppbv
RT: 5.706 min Scan# 901
Delta R.T. 0.022 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

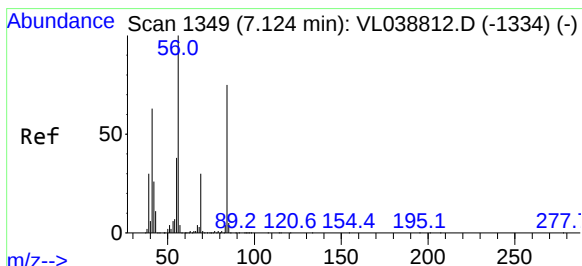
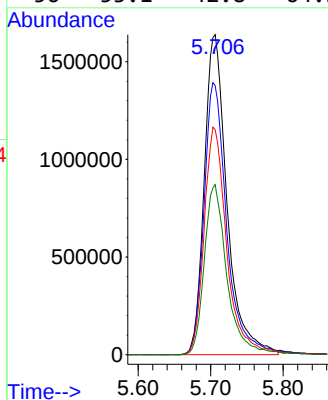
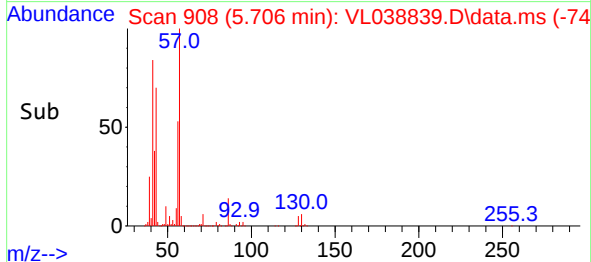
Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR



Tgt Ion: 57 Resp: 357627
Ion Ratio Lower Upper
57 100
41 85.8 72.0 108.0
43 71.3 186.6 280.0
56 53.1 42.8 64.2

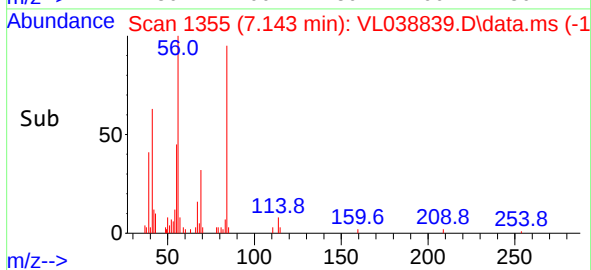
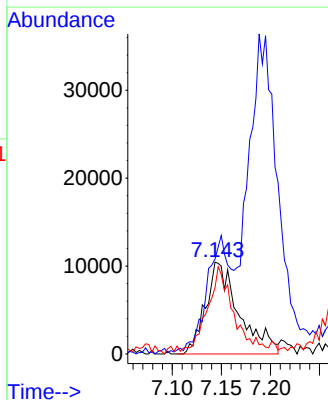
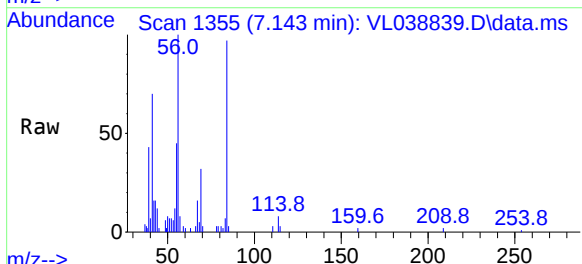
Manual Integrations
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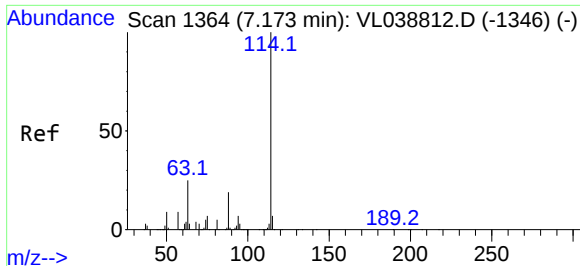
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#30
Cyclohexane
Concen: 0.192 ppbv m
RT: 7.143 min Scan# 1355
Delta R.T. 0.019 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

Tgt Ion: 84 Resp: 24787
Ion Ratio Lower Upper
84 100
56 0.0 114.4 171.6
41 80.3 69.0 103.4





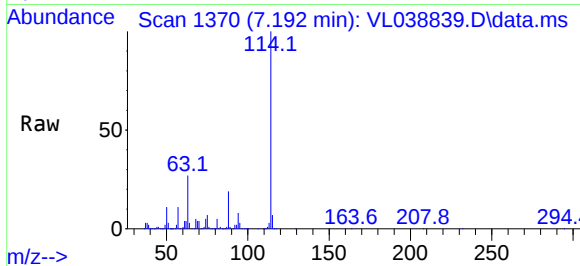
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.192 min Scan# 114
Delta R.T. 0.019 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

Instrument :

MSVOA_L

ClientSampleId :

BD-INDOOR

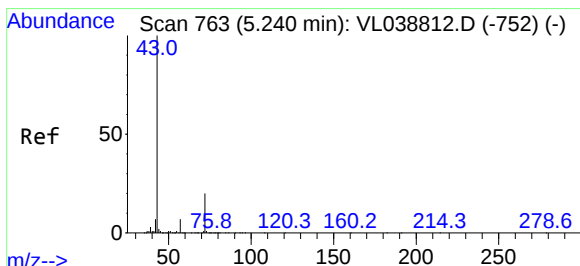
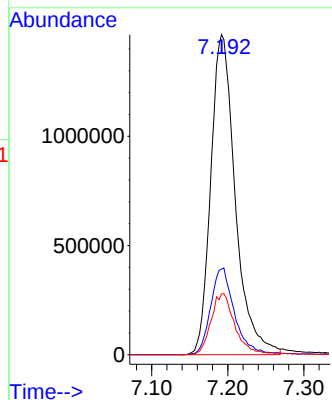
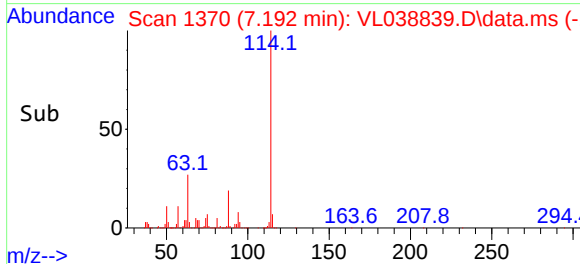


Tgt Ion:114 Resp: 328196
Ion Ratio Lower Upper
114 100
63 26.8 19.8 29.8
88 19.0 14.2 21.4

Manual Integrations

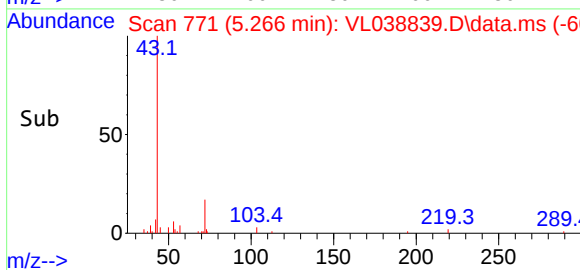
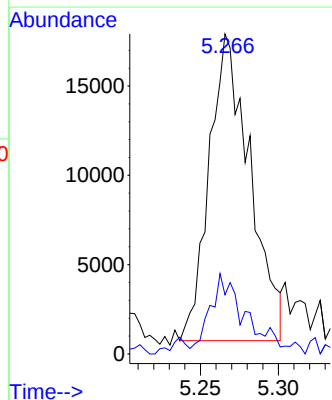
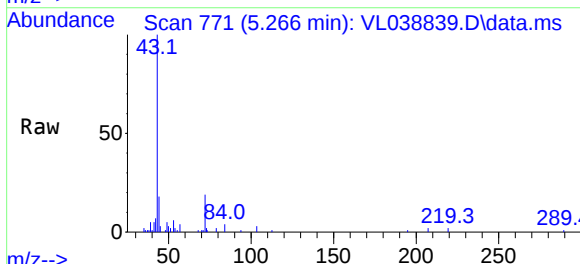
APPROVED

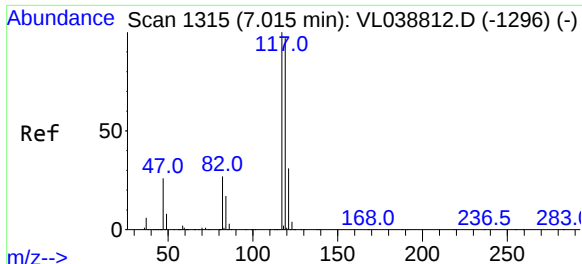
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#34
2-Butanone
Concen: 0.240 ppbv
RT: 5.266 min Scan# 771
Delta R.T. 0.026 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

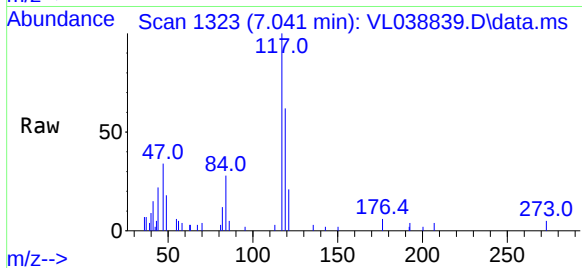
Tgt Ion: 43 Resp: 31149
Ion Ratio Lower Upper
43 100
72 25.5 16.9 25.3#





#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 7.041 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

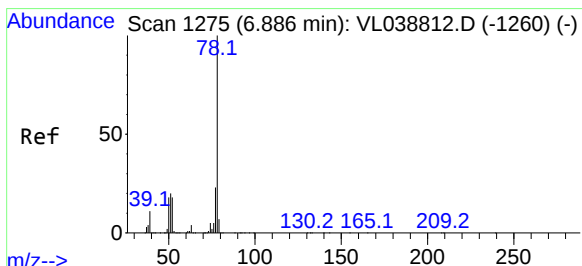
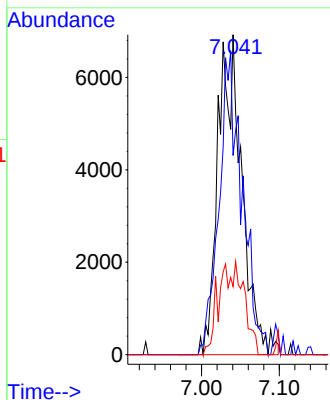
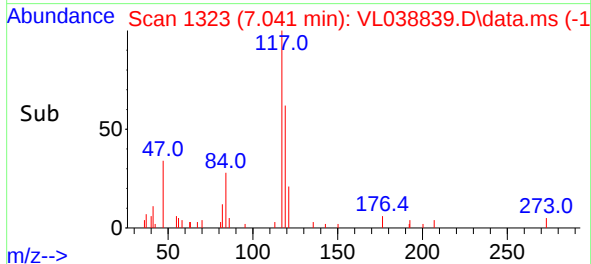
Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR



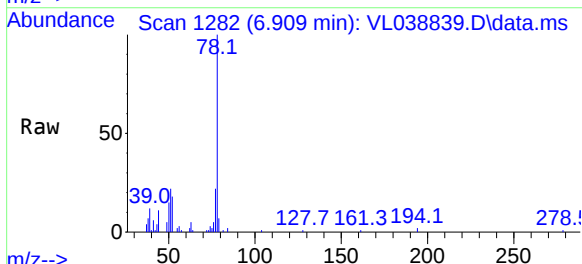
Tgt Ion:117 Resp: 1477
Ion Ratio Lower Upper
117 100
119 62.3 77.7 116.5
121 21.3 24.5 36.7

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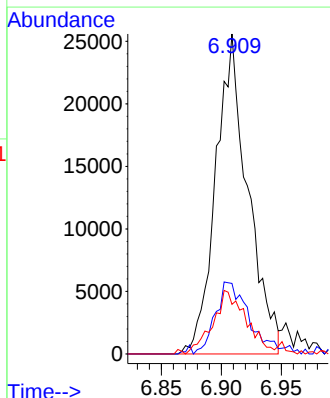
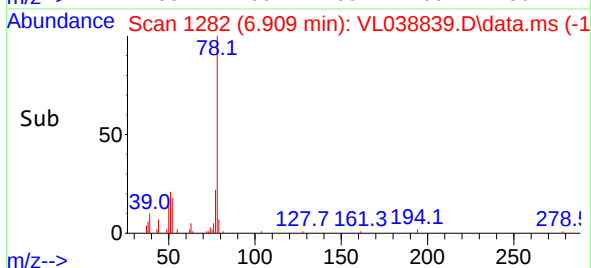
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

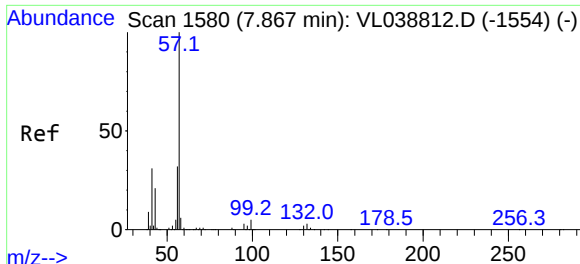


#36
Benzene
Concen: 0.159 ppbv
RT: 6.909 min Scan# 1282
Delta R.T. 0.022 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37



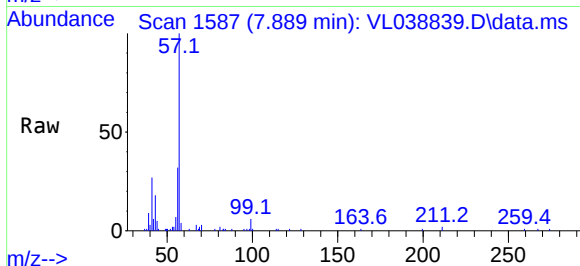
Tgt Ion: 78 Resp: 47564
Ion Ratio Lower Upper
78 100
77 22.1 18.2 27.2
50 14.1 14.0 21.0





#44
2,2,4-Trimethylpentane
Concen: 0.148 ppbv
RT: 7.889 min Scan# 1580
Delta R.T. 0.022 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

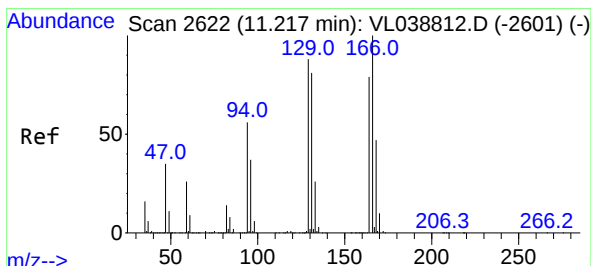
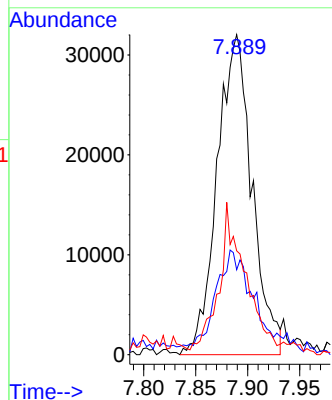
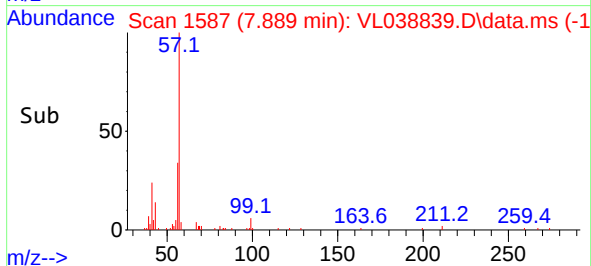
Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR



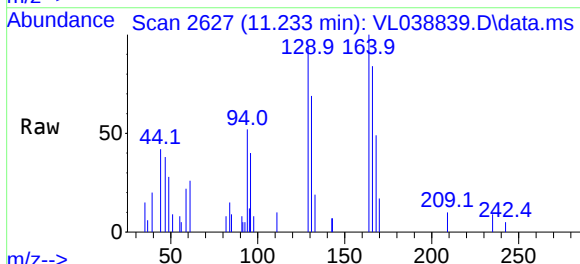
Tgt Ion: 57 Resp: 74710
Ion Ratio Lower Upper
57 100
41 38.4 25.0 37.4#
56 37.2 25.3 37.9

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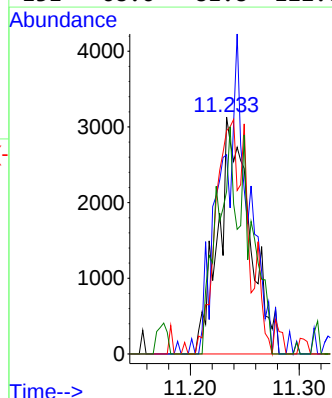
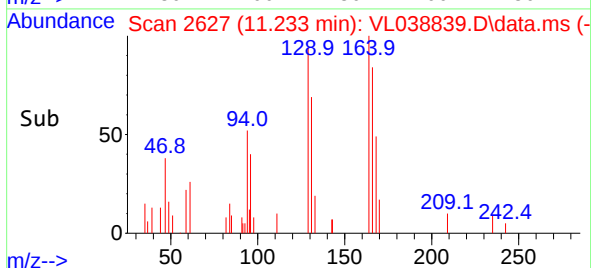
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

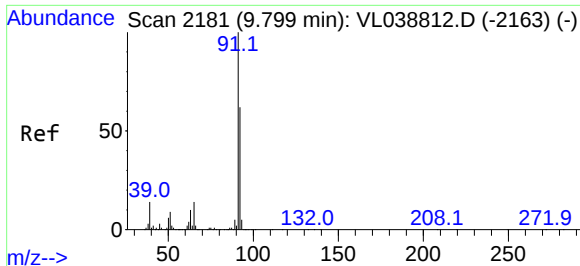


#52
Tetrachloroethene
Concen: 0.061 ppbv m
RT: 11.233 min Scan# 2627
Delta R.T. 0.016 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37



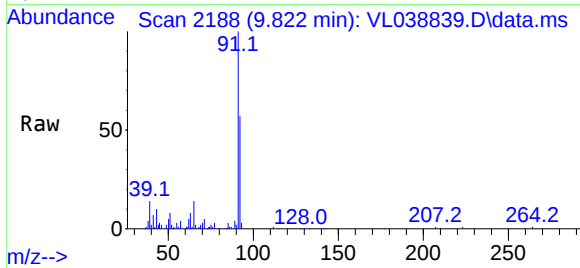
Tgt Ion:164 Resp: 6357
Ion Ratio Lower Upper
164 100
166 84.0 101.0 151.6#
129 94.2 88.7 133.1
131 68.6 81.8 122.6#





#53
Toluene
Concen: 0.367 ppbv
RT: 9.822 min Scan# 2181
Delta R.T. 0.022 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

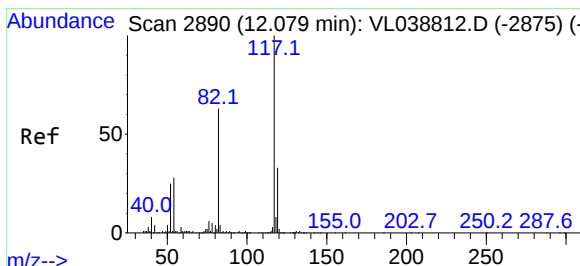
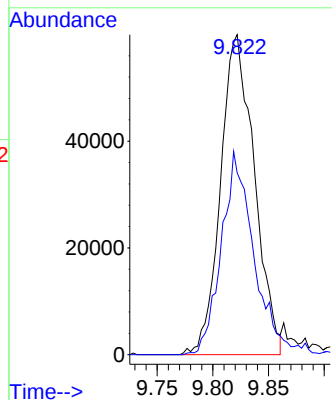
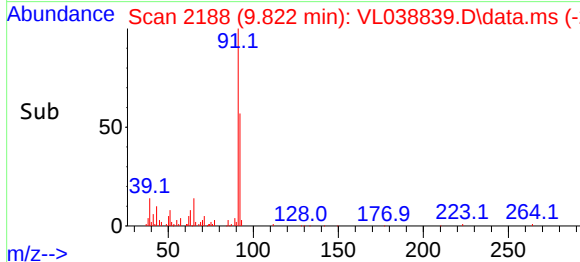
Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR



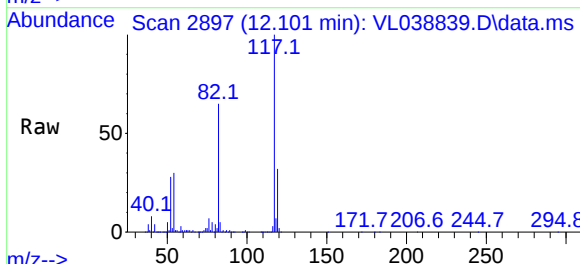
Tgt Ion: 91 Resp: 126334
Ion Ratio Lower Upper
91 100
92 62.4 49.2 73.8

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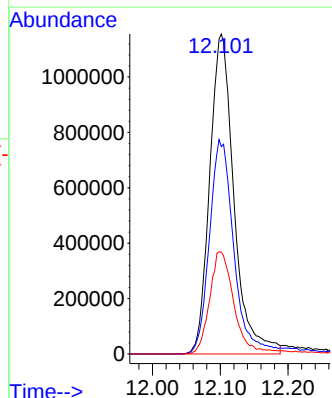
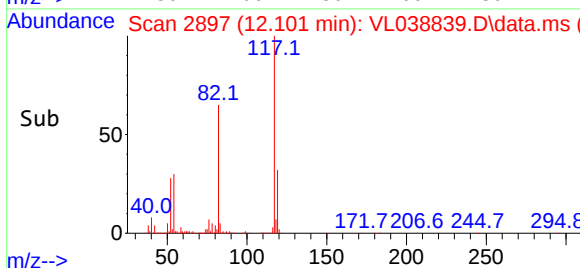
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

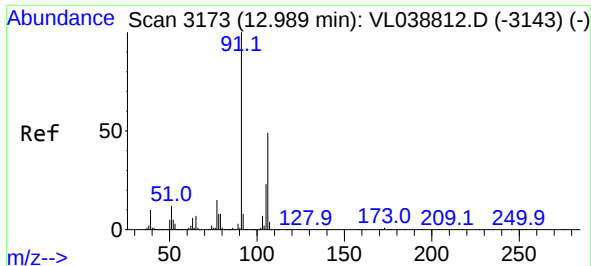


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.101 min Scan# 2897
Delta R.T. 0.022 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37



Tgt Ion:117 Resp: 2869690
Ion Ratio Lower Upper
117 100
82 69.4 53.0 79.6
119 33.2 24.9 37.3





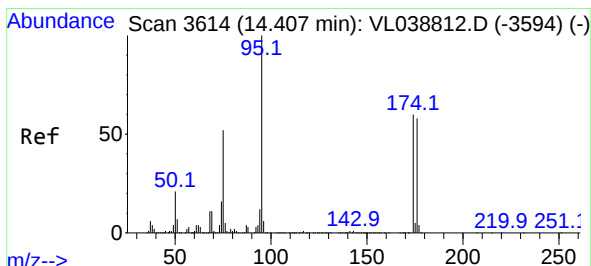
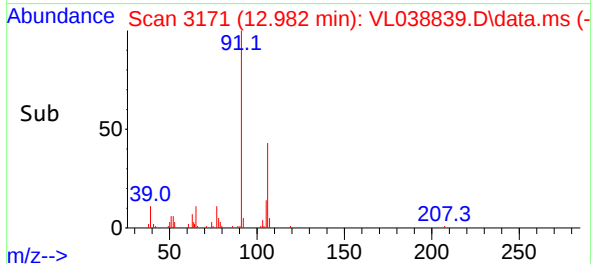
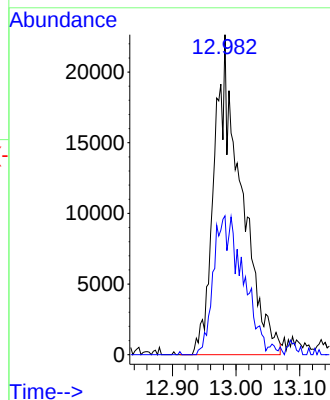
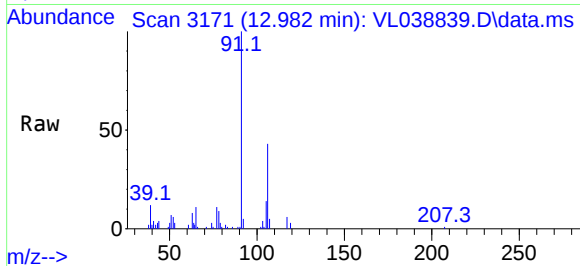
#59
m/p-Xylene
Concen: 0.184 ppbv m
RT: 12.982 min Scan# 3171
Delta R.T. -0.007 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

Instrument :
MSVOA_L
ClientSampleId :
BD-INDOOR

Tgt Ion: 91 Resp: 66294
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7

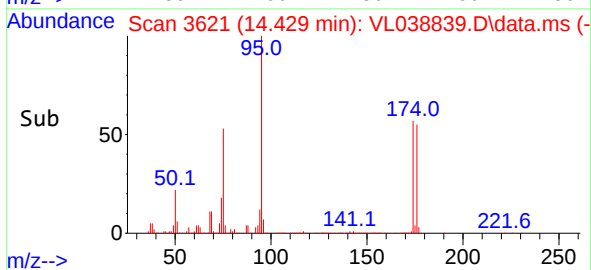
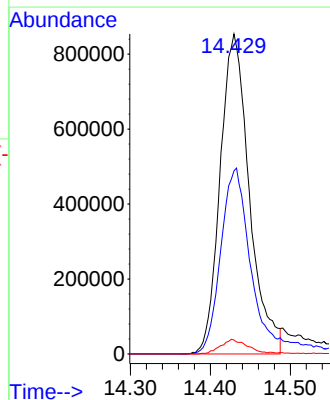
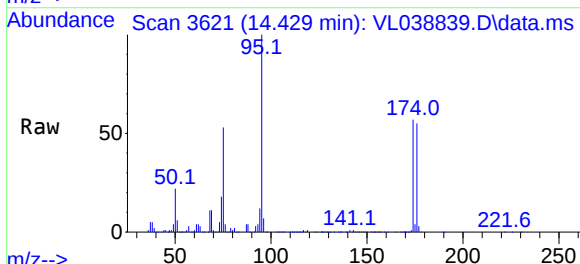
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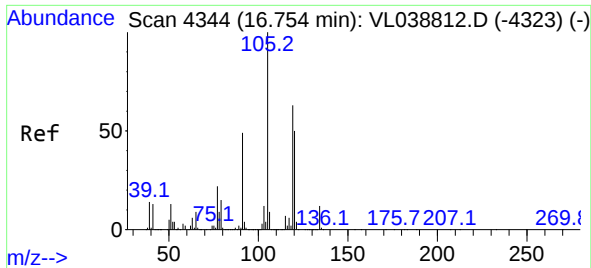
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.956 ppbv
RT: 14.429 min Scan# 3621
Delta R.T. 0.022 min
Lab File: VL038839.D
Acq: 7 Apr 2022 13:37

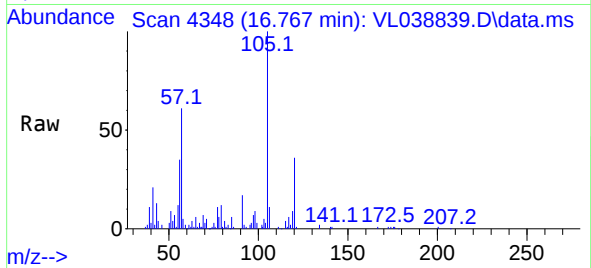
Tgt Ion: 95 Resp: 2167131
Ion Ratio Lower Upper
95 100
174 64.1 52.0 78.0
175 4.7 4.0 6.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.209 ppbv m
 RT: 16.767 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL038839.D
 Acq: 7 Apr 2022 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 BD-INDOOR



Tgt Ion:	105	Resp:	79984
Ion	Ratio	Lower	Upper
105	100		
120	36.0	39.8	59.8
91	17.4	39.4	59.0
77	11.3	17.3	25.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022
 Supervised By :Mahesh Dadoda 04/11/2022

