

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038772.D
 Acq On : 28 Mar 2022 15:37
 Operator : SY/AP
 Sample : N2096-02DUPDL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02-(SB-07)DLDP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 06:12:08 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 29 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	898508	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.179	114	2397176	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.085	117	2110816	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	1594105	9.850	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.060	85	27347	0.226	ppbv	99
9) Propene	3.021	41	487787	10.647	ppbv	92
10) Heptane	8.124	43	23751	0.217	ppbv	94
11) Trichlorofluoromethane	3.960	101	31599	0.296	ppbv	85
13) Ethanol	3.610	45	195184	38.621	ppbv	99
15) Acetone	3.861	43	201933	2.605	ppbv #	67
17) tert-Butyl alcohol	4.314	59	14272m	0.211	ppbv	
19) Isopropyl Alcohol	3.983	45	24887m	0.579	ppbv	
26) Hexane	5.693	57	397522	4.550	ppbv #	40
27) Carbon Disulfide	4.558	76	99830	1.165	ppbv #	90
30) Cyclohexane	7.134	84	58533	0.770	ppbv #	81
32) 1,1,1-Trichloroethane	6.516	97	22271m	0.165	ppbv	
35) Carbon Tetrachloride	7.024	117	24616m	0.177	ppbv	
36) Benzene	6.896	78	36197m	0.196	ppbv	
38) Trichloroethene	7.835	130	22334m	0.288	ppbv	
52) Tetrachloroethene	11.224	164	3656m	0.054	ppbv	
53) Toluene	9.806	91	53847	0.271	ppbv	100
59) m/p-Xylene	12.970	91	60160	0.279	ppbv	98
60) o-Xylene	13.690	91	20535m	0.100	ppbv	

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

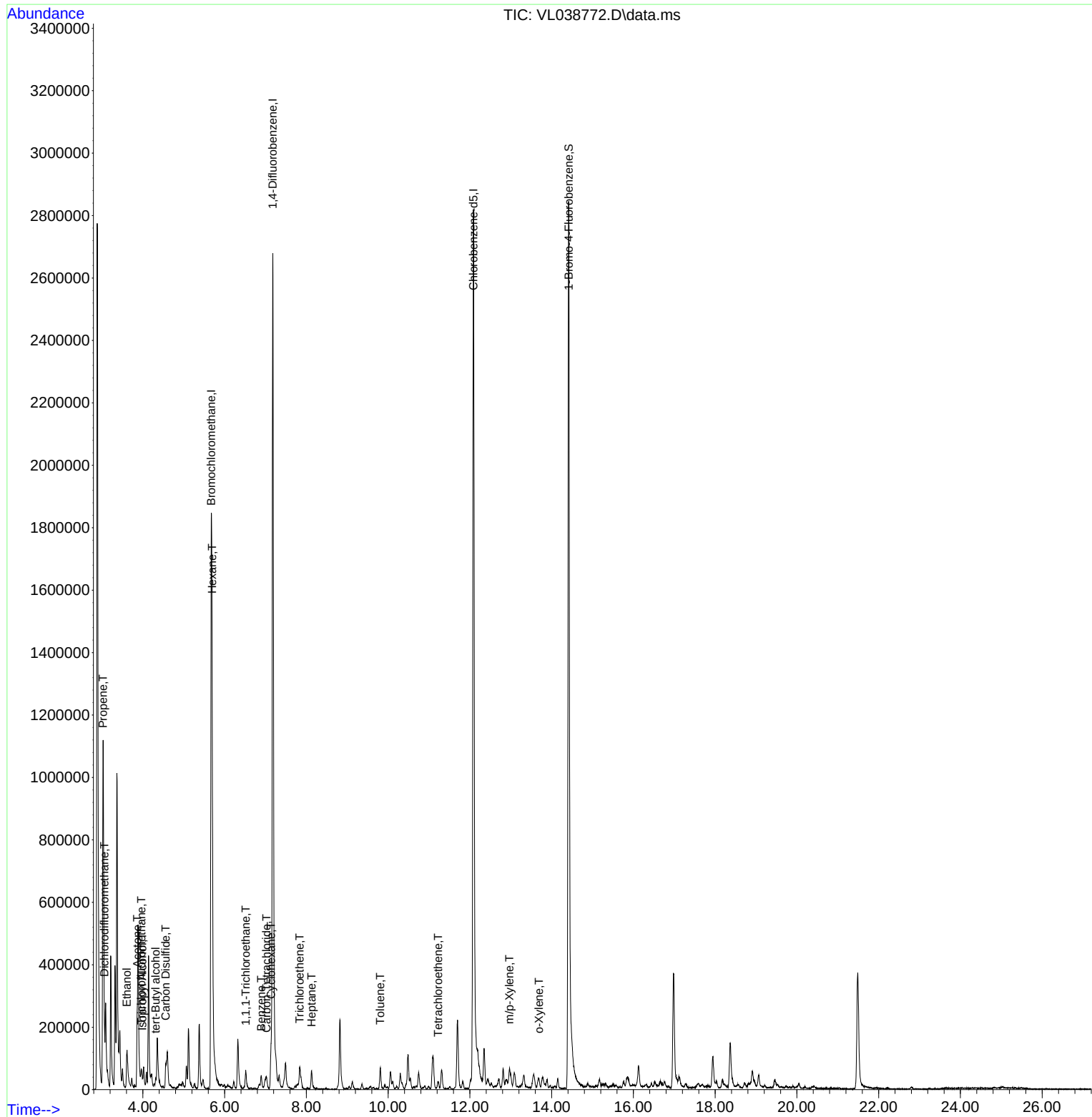
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
Data File : VL038772.D
Acq On : 28 Mar 2022 15:37
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Sample : N2096-02DUPDL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

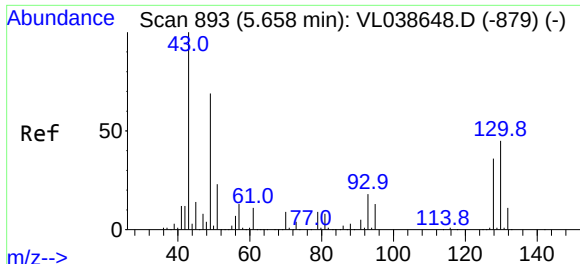
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLDUP

Quant Time: Mar 29 06:12:08 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Manual Integrations
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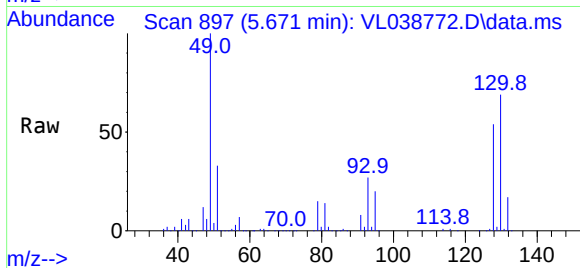
Reviewed By : Semsettin Yesilyurt 03/29/2022
Supervised By : Mahesh Dadoda 03/29/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

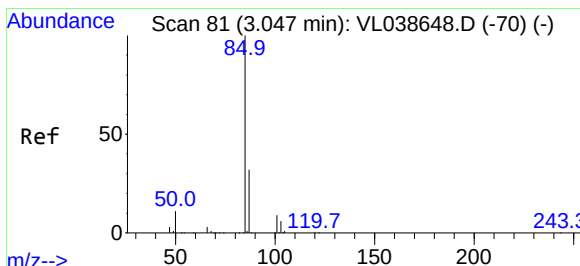
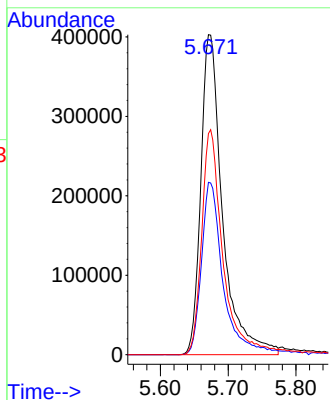
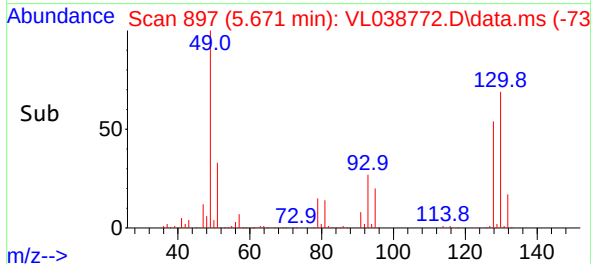
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLUP



Tgt Ion: 49 Resp: 898508
Ion Ratio Lower Upper
49 100
128 55.5 26.2 78.6
130 70.8 33.7 101.1

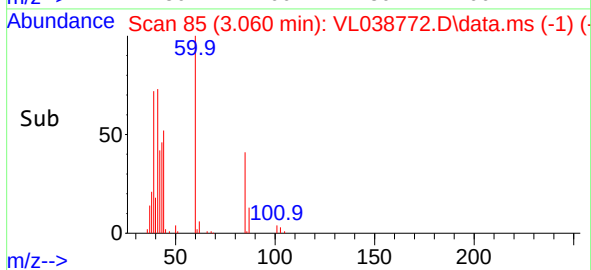
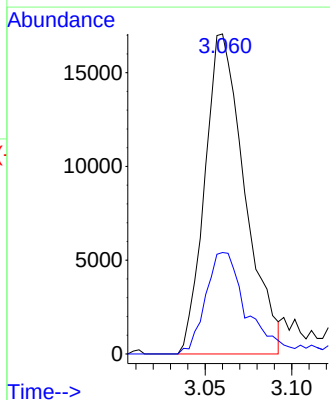
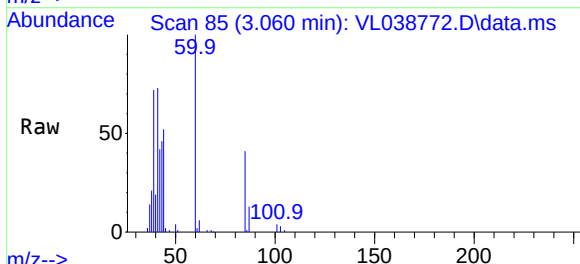
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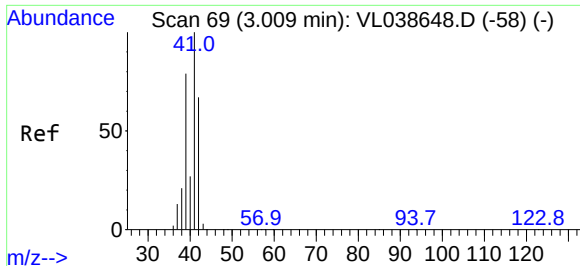
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#2
Dichlorodifluoromethane
Concen: 0.226 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

Tgt Ion: 85 Resp: 27347
Ion Ratio Lower Upper
85 100
87 31.7 26.0 39.0





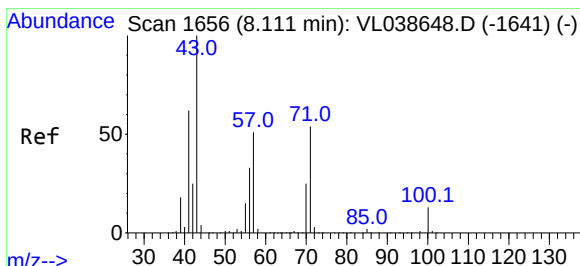
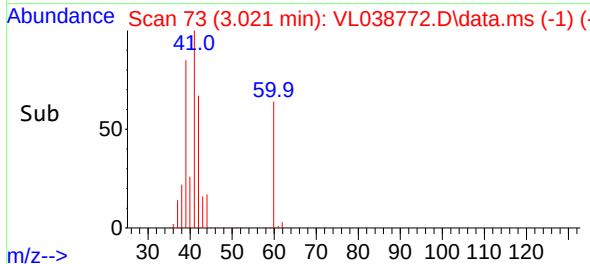
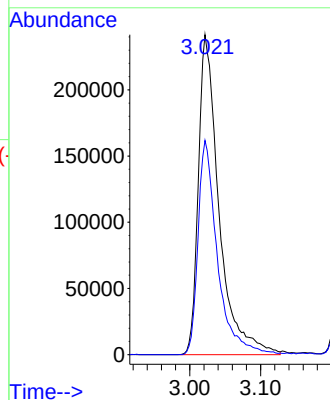
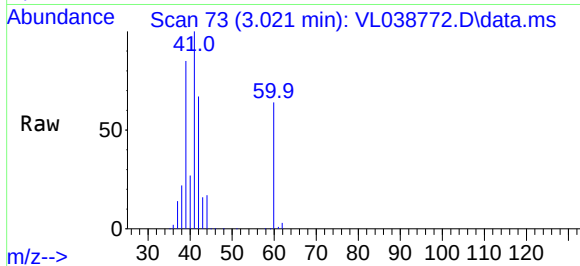
#9
Propene
Concen: 10.647 ppbv
RT: 3.021 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLUP

Tgt Ion: 41 Resp: 48778
Ion Ratio Lower Upper
41 100
42 63.8 56.2 84.4

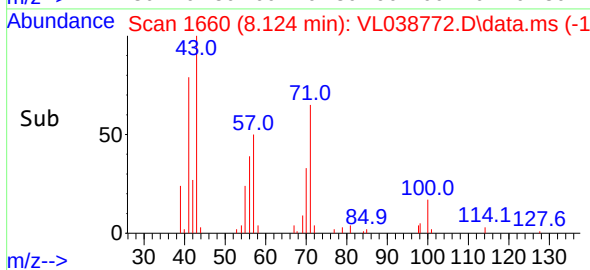
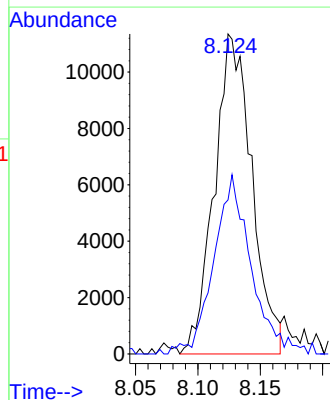
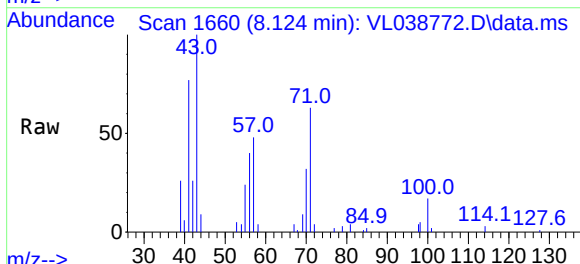
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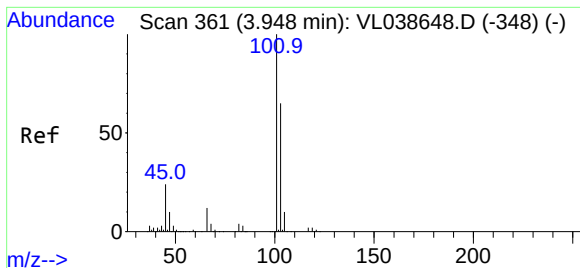
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#10
Heptane
Concen: 0.217 ppbv
RT: 8.124 min Scan# 1660
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

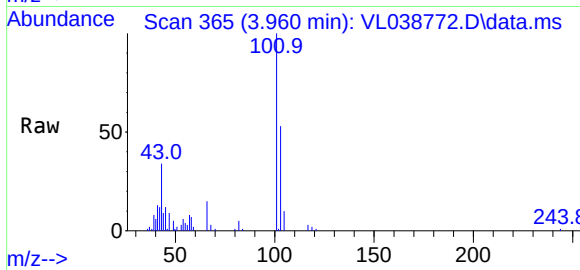
Tgt Ion: 43 Resp: 23751
Ion Ratio Lower Upper
43 100
57 56.0 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 3.960 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

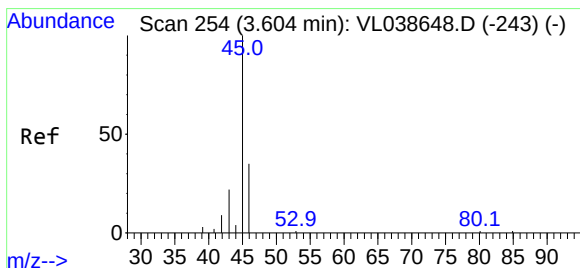
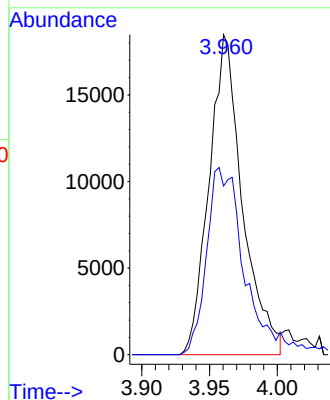
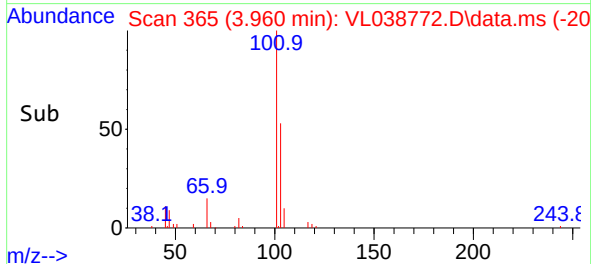
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLUP



Tgt Ion:101 Resp: 3159
Ion Ratio Lower Upper
101 100
103 52.7 51.9 77.9

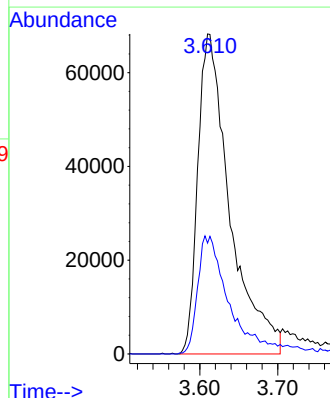
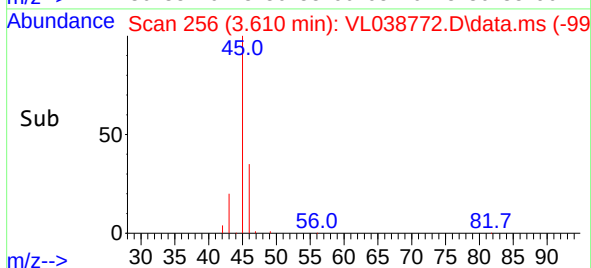
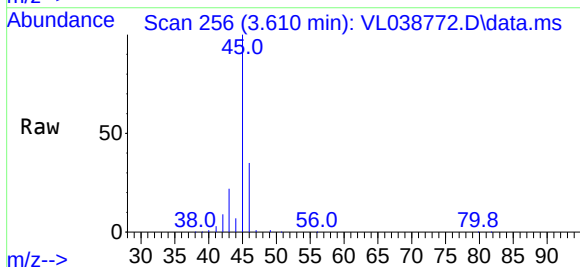
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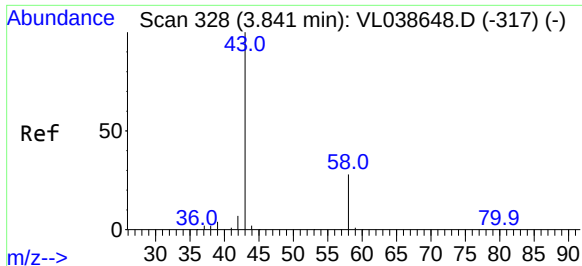
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#13
Ethanol
Concen: 38.621 ppbv
RT: 3.610 min Scan# 256
Delta R.T. 0.006 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

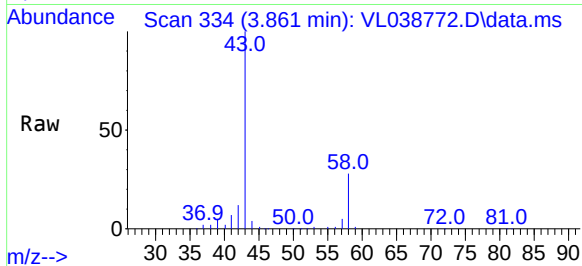
Tgt Ion: 45 Resp: 195184
Ion Ratio Lower Upper
45 100
46 38.2 15.1 60.5





#15
Acetone
Concen: 2.605 ppbv
RT: 3.861 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

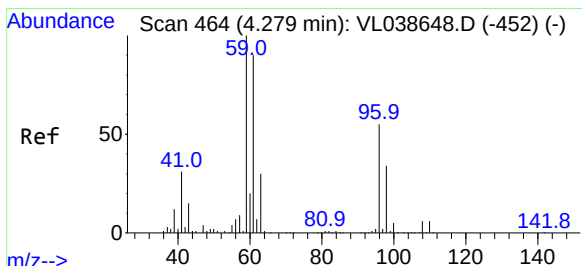
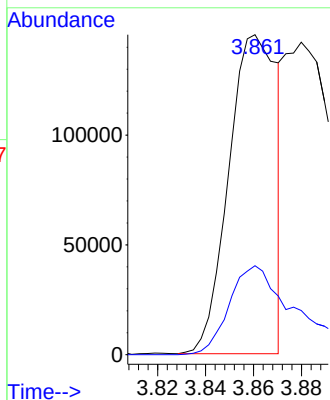
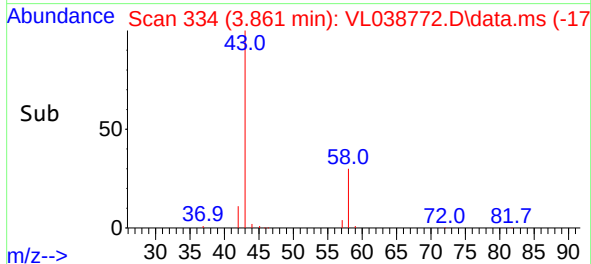
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLUP



Tgt Ion: 43 Resp: 20193
Ion Ratio Lower Upper
43 100
58 46.7 23.3 34.9

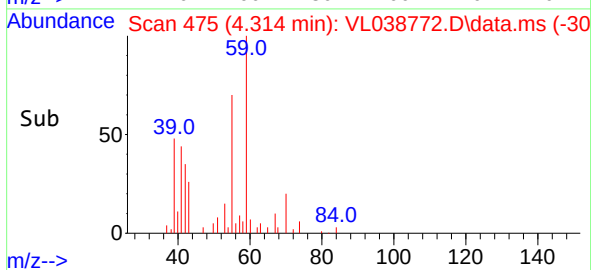
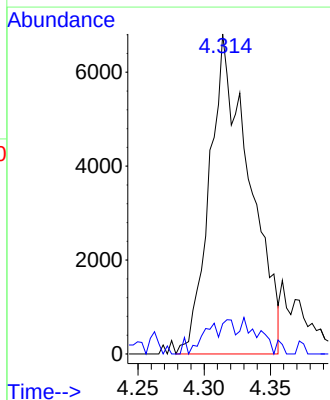
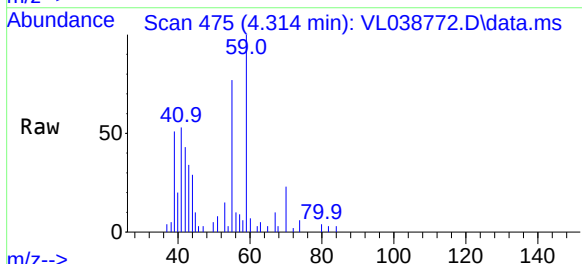
Manual Integrations
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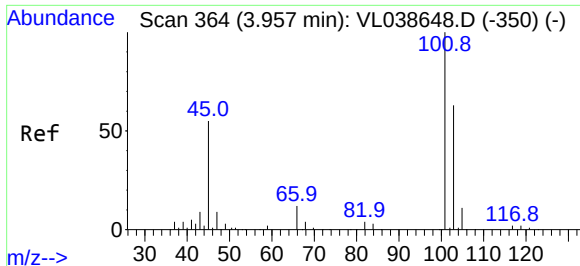
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#17
tert-Butyl alcohol
Concen: 0.211 ppbv m
RT: 4.314 min Scan# 475
Delta R.T. 0.035 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

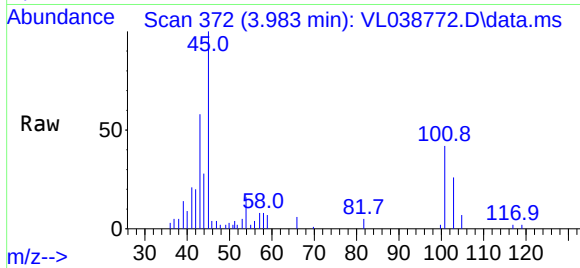
Tgt Ion: 59 Resp: 14272
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#19
Isopropyl Alcohol
Concen: 0.579 ppbv m
RT: 3.983 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

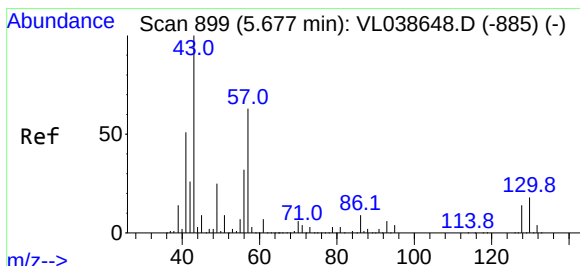
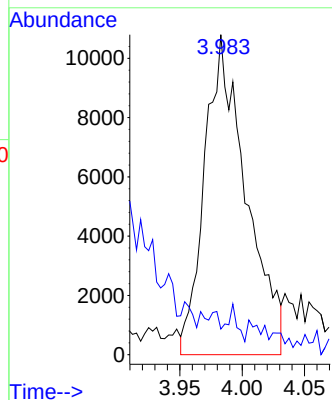
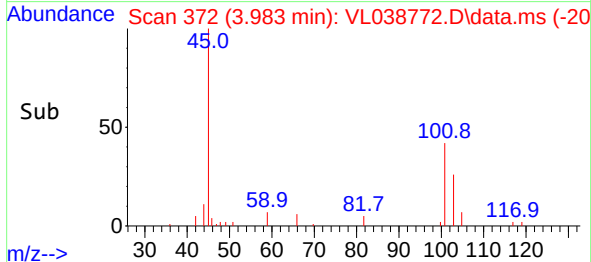
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLUP



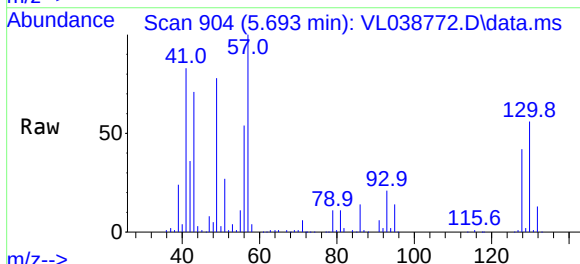
Tgt Ion: 45 Resp: 2488
Ion Ratio Lower Upper
45 100
58 378.7 2.3 3.5

Manual Integrations
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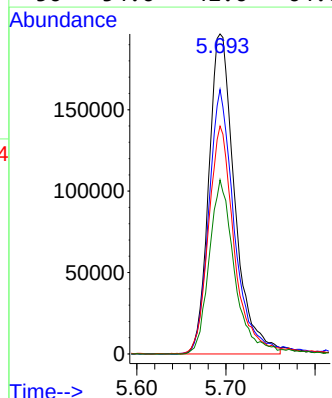
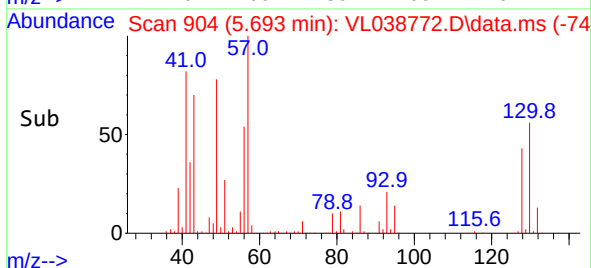
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Supervised By :Mahesh Dadoda 03/29/2022

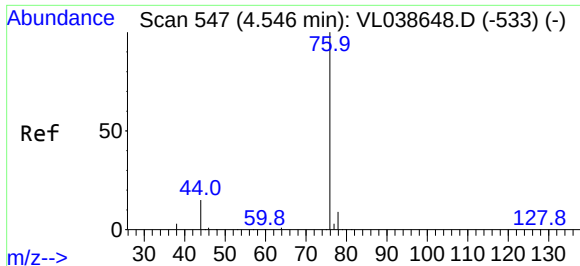


#26
Hexane
Concen: 4.550 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.016 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37



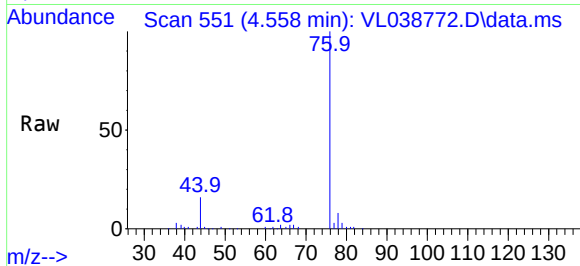
Tgt Ion: 57 Resp: 397522
Ion Ratio Lower Upper
57 100
41 82.8 67.0 100.4
43 72.5 184.2 276.2#
56 54.6 42.6 64.0





#27
Carbon Disulfide
Concen: 1.165 ppbv
RT: 4.558 min Scan# 51
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

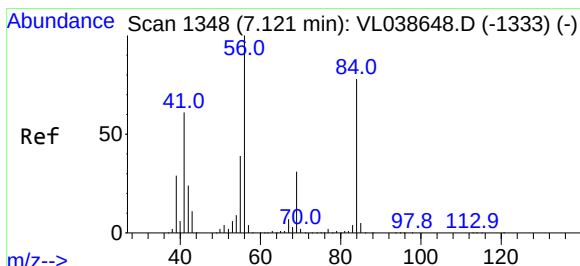
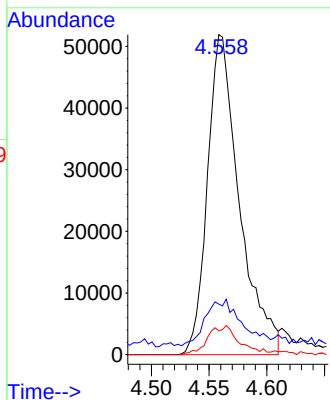
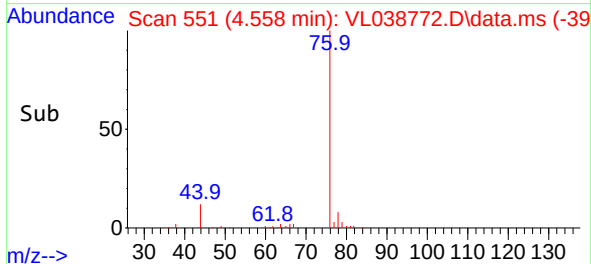
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLUP



Tgt Ion: 76 Resp: 99830
Ion Ratio Lower Upper
76 100
44 22.1 12.4 18.6
78 9.8 7.8 11.8

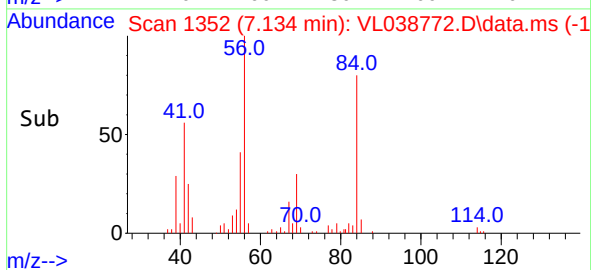
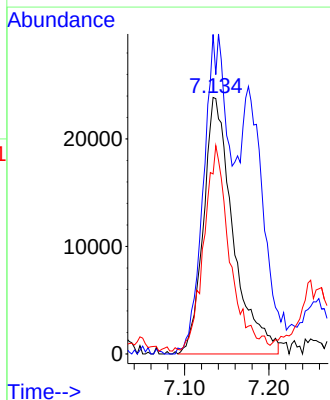
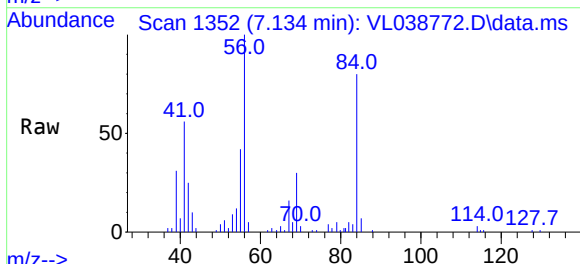
Manual Integrations
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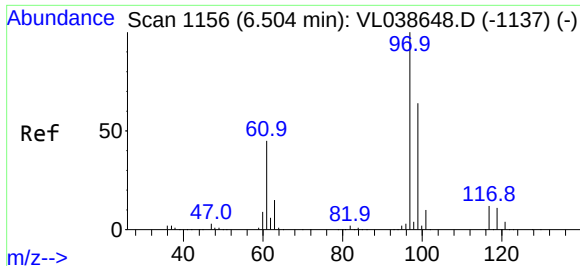
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#30
Cyclohexane
Concen: 0.770 ppbv
RT: 7.134 min Scan# 1352
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

Tgt Ion: 84 Resp: 58533
Ion Ratio Lower Upper
84 100
56 101.0 108.2 162.4#
41 74.7 61.8 92.6





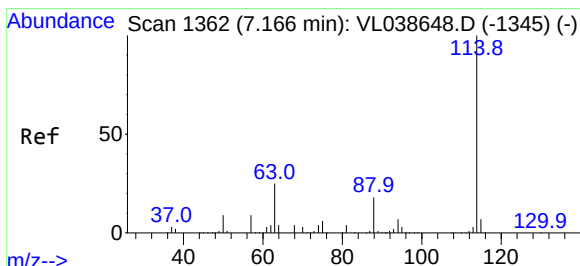
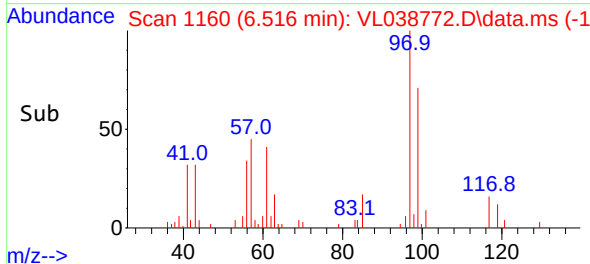
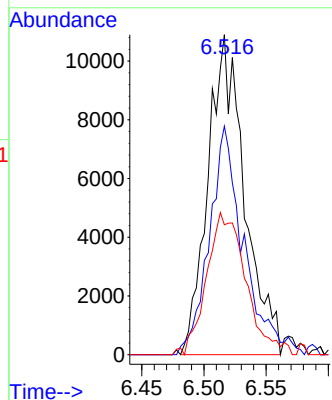
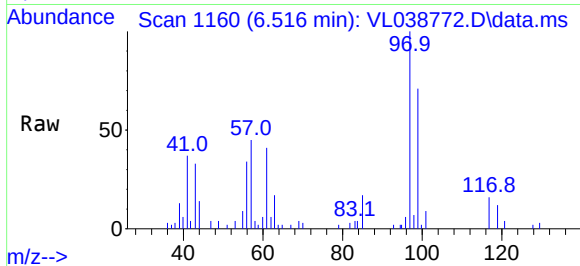
#32
1,1,1-Trichloroethane
Concen: 0.165 ppbv m
RT: 6.516 min Scan# 1156
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLDUP

Tgt Ion: 97	Resp: 2227
Ion Ratio	Lower Upper
97 100	
99 68.0	51.8 77.8
61 48.2	36.7 55.1

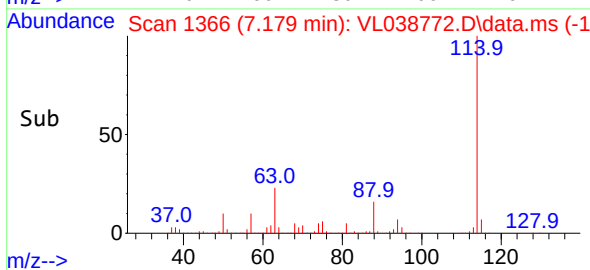
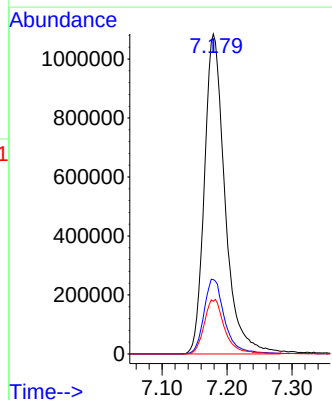
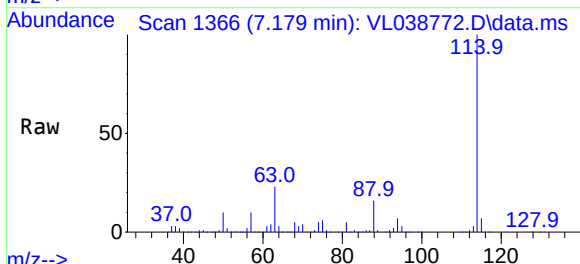
Manual Integrations
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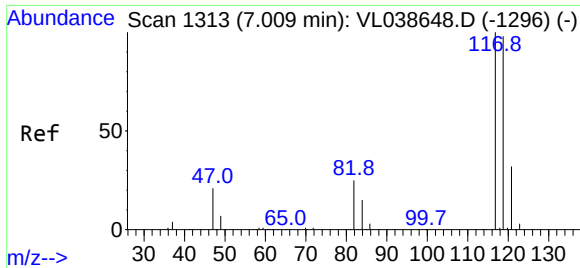
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

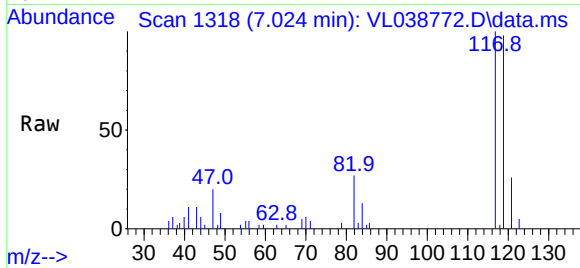
Tgt Ion:114	Resp: 2397176		
Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.4	29.0
88	17.2	13.9	20.9





#35
Carbon Tetrachloride
Concen: 0.177 ppbv m
RT: 7.024 min Scan# 117
Delta R.T. 0.016 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

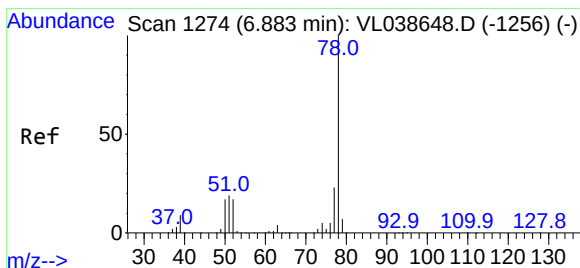
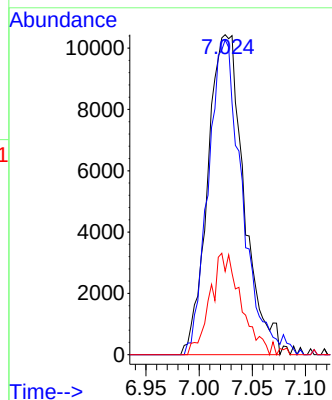
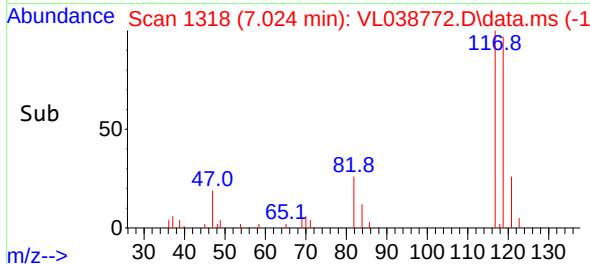
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLUP



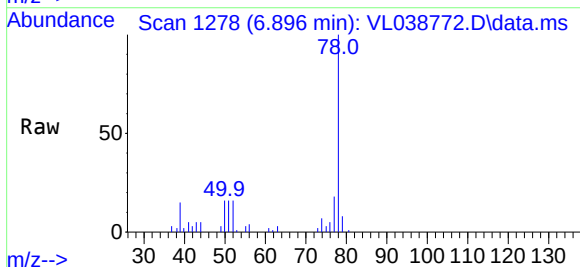
Tgt Ion:117 Resp: 24610
Ion Ratio Lower Upper
117 100
119 98.3 78.1 117.1
121 26.1 25.8 38.6

Manual Integrations
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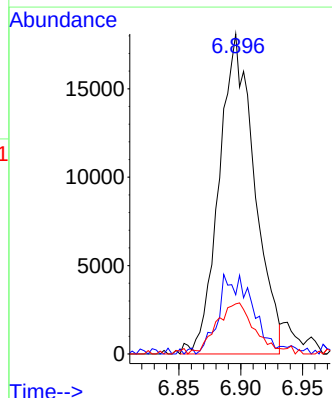
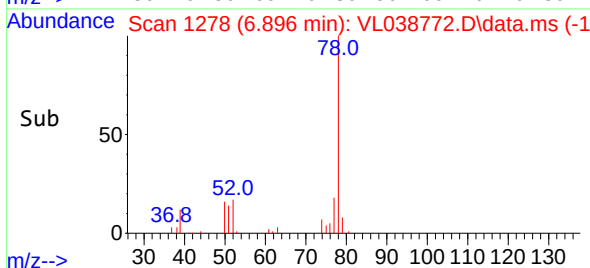
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

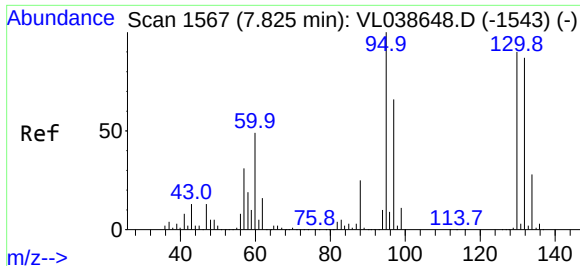


#36
Benzene
Concen: 0.196 ppbv m
RT: 6.896 min Scan# 1278
Delta R.T. 0.013 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37



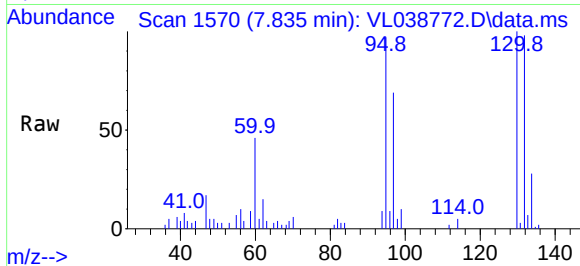
Tgt Ion: 78 Resp: 36197
Ion Ratio Lower Upper
78 100
77 18.5 18.1 27.1
50 15.6 13.6 20.4





#38
 Trichloroethene
 Concen: 0.288 ppbv m
 RT: 7.835 min Scan# 1
 Delta R.T. 0.009 min
 Lab File: VL038772.D
 Acq: 28 Mar 2022 15:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02-(SB-07)DLUP

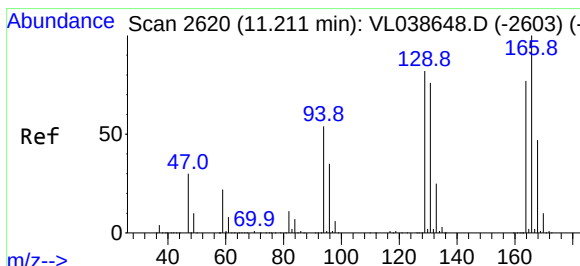
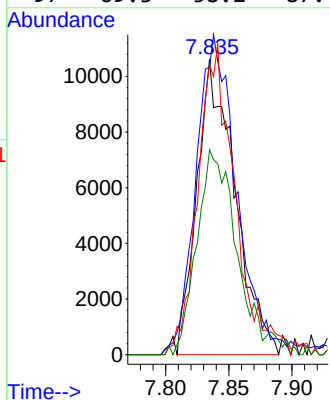
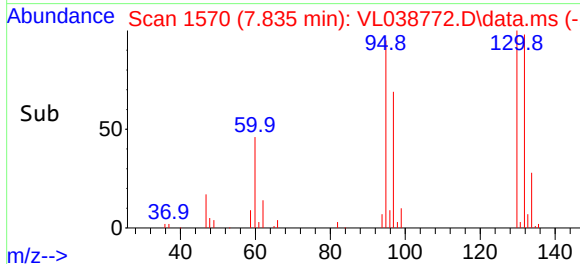


Tgt Ion:130 Resp: 22334

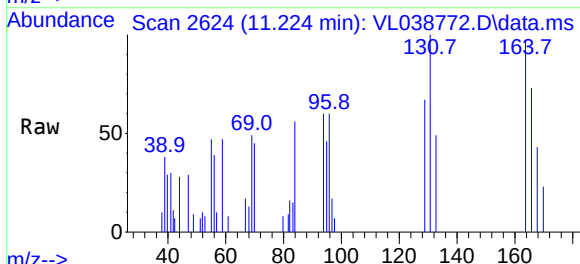
Ion	Ratio	Lower	Upper
130	100		
95	97.3	88.9	133.3
132	98.2	77.4	116.0
97	69.3	58.2	87.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

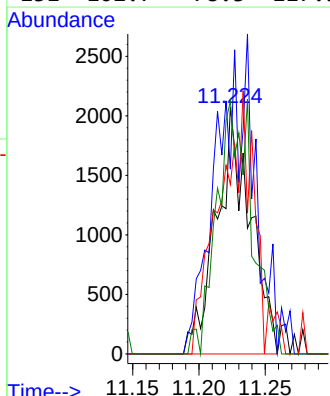
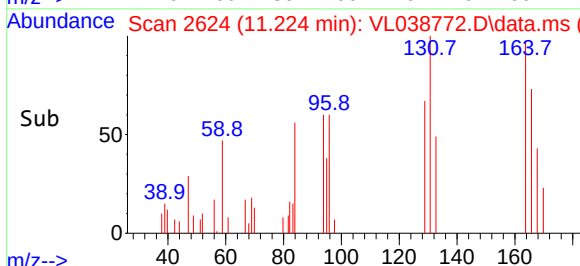


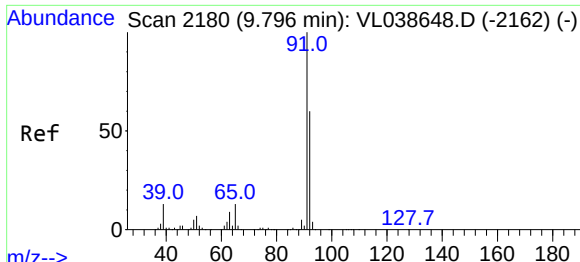
#52
 Tetrachloroethene
 Concen: 0.054 ppbv m
 RT: 11.224 min Scan# 2624
 Delta R.T. 0.013 min
 Lab File: VL038772.D
 Acq: 28 Mar 2022 15:37



Tgt Ion:164 Resp: 3656

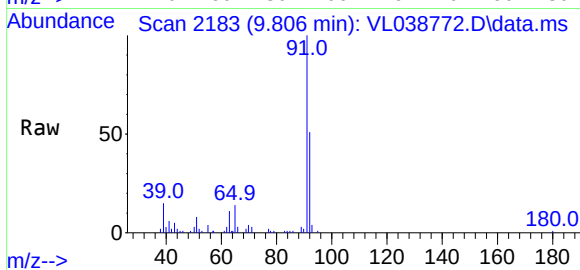
Ion	Ratio	Lower	Upper
164	100		
166	74.9	103.3	154.9#
129	68.7	85.2	127.8#
131	102.7	78.3	117.5





#53
Toluene
Concen: 0.271 ppbv
RT: 9.806 min Scan# 2180
Delta R.T. 0.009 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37

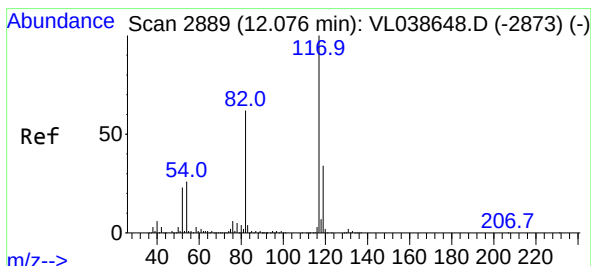
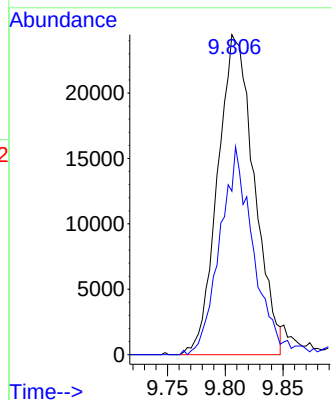
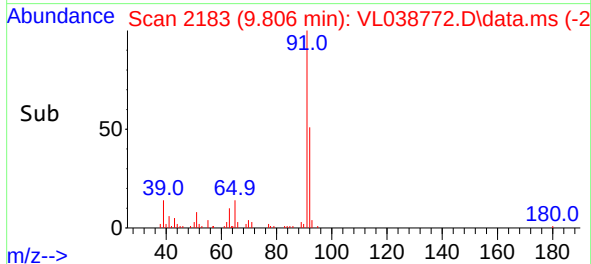
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DLUP



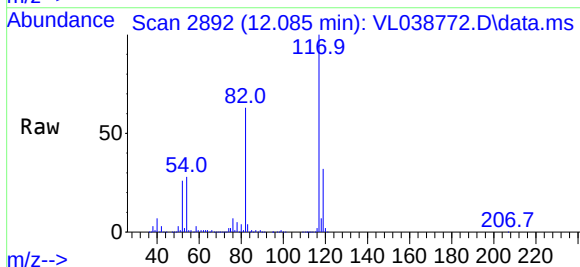
Tgt Ion: 91 Resp: 5384
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1

Manual Integrations
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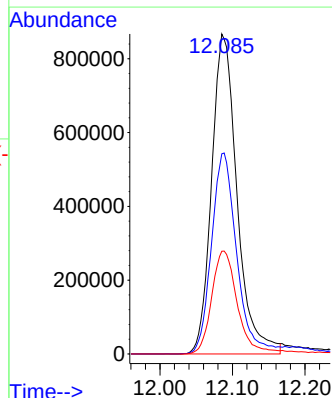
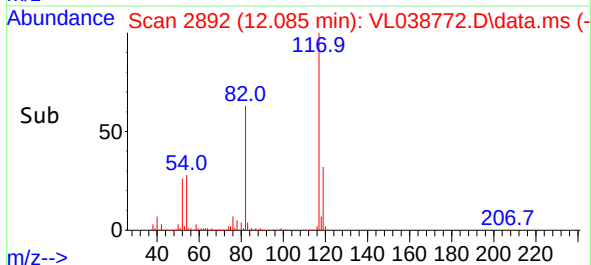
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

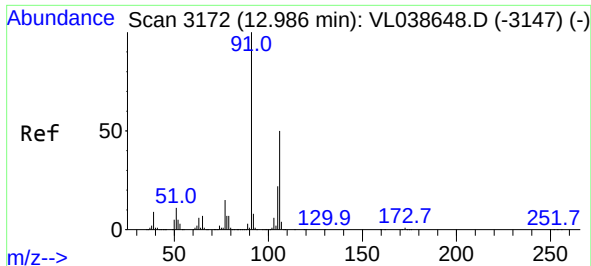


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 2892
Delta R.T. 0.009 min
Lab File: VL038772.D
Acq: 28 Mar 2022 15:37



Tgt Ion:117 Resp: 2110816
Ion Ratio Lower Upper
117 100
82 66.2 51.6 77.4
119 33.2 26.9 40.3





#59

m/p-Xylene

Concen: 0.279 ppbv

RT: 12.970 min Scan# 3167

Delta R.T. -0.016 min

Lab File: VL038772.D

Acq: 28 Mar 2022 15:37

Instrument :

MSVOA_L

ClientSampleId :

SV-02-(SB-07)DLDP

Tgt Ion: 91 Resp: 60160

Ion Ratio Lower Upper

91 100

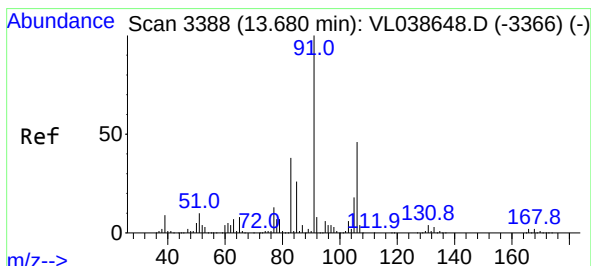
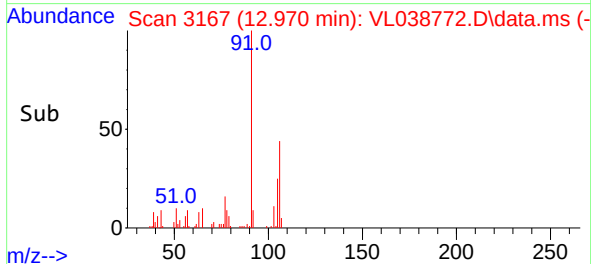
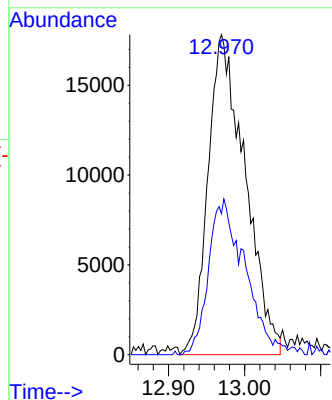
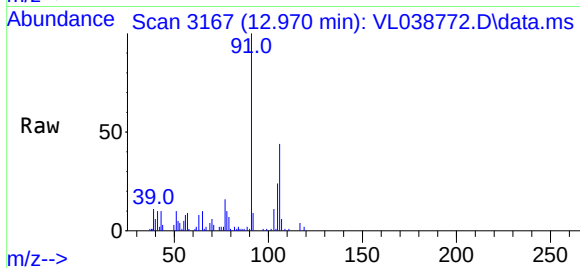
106 47.8 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022



#60

o-Xylene

Concen: 0.100 ppbv m

RT: 13.690 min Scan# 3391

Delta R.T. 0.009 min

Lab File: VL038772.D

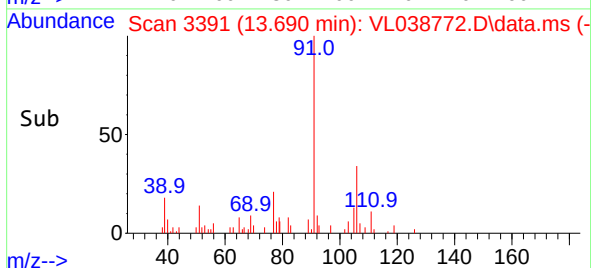
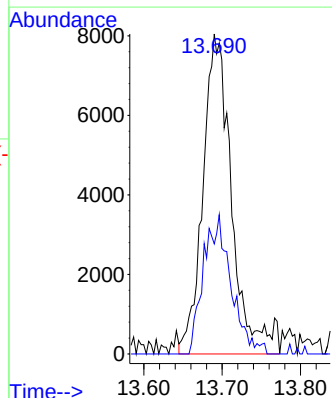
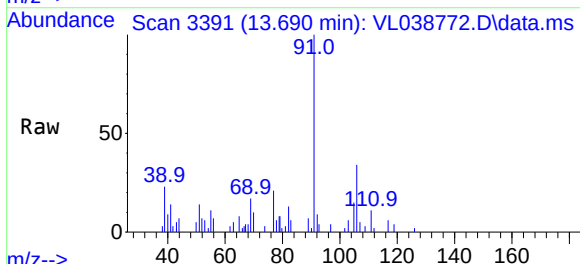
Acq: 28 Mar 2022 15:37

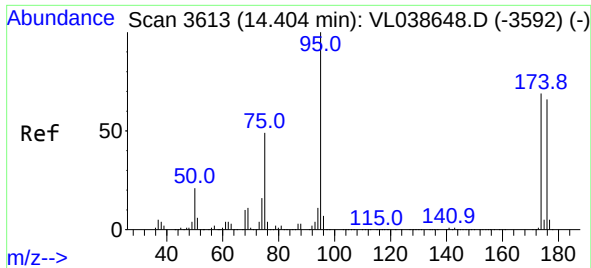
Tgt Ion: 91 Resp: 20535

Ion Ratio Lower Upper

91 100

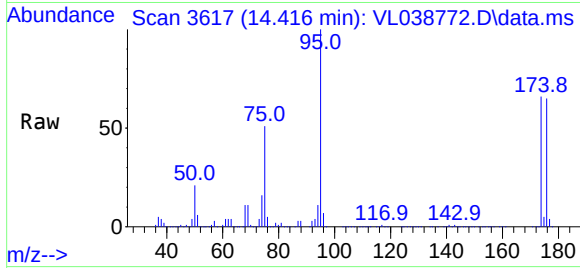
106 0.0 23.5 70.5#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.850 ppbv
 RT: 14.416 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: VL038772.D
 Acq: 28 Mar 2022 15:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02-(SB-07)DLDUP



Tgt Ion: 95 Resp: 159410

Ion	Ratio	Lower	Upper
95	100		
174	72.1	56.1	84.1
175	5.2	4.2	6.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

