

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038771.D
 Acq On : 28 Mar 2022 14:57
 Operator : SY/AP
 Sample : N2096-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 06:11:53 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	879614	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.176	114	2410017	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	2154819	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	1660537	10.051	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	65587	0.555	ppbv	97
9) Propene	3.021	41	543610	12.120	ppbv	90
10) Heptane	8.124	43	26664m	0.249	ppbv	
11) Trichlorofluoromethane	3.960	101	33882m	0.325	ppbv	
13) Ethanol	3.613	45	194474	39.307	ppbv	99
15) Acetone	3.857	43	220616m	2.907	ppbv	
17) tert-Butyl alcohol	4.317	59	13258	0.200	ppbv #	73
19) Isopropyl Alcohol	3.983	45	21033	0.500	ppbv #	1
26) Hexane	5.690	57	376257	4.399	ppbv #	40
27) Carbon Disulfide	4.558	76	105435	1.256	ppbv #	93
30) Cyclohexane	7.137	84	59213m	0.796	ppbv	
32) 1,1,1-Trichloroethane	6.516	97	24804m	0.188	ppbv	
35) Carbon Tetrachloride	7.021	117	24217	0.173	ppbv	94
36) Benzene	6.889	78	39057	0.210	ppbv #	90
38) Trichloroethene	7.835	130	24287m	0.312	ppbv	
52) Tetrachloroethene	11.233	164	3851m	0.057	ppbv	
53) Toluene	9.806	91	56228	0.281	ppbv	98
59) m/p-Xylene	12.963	91	64273m	0.292	ppbv	
60) o-Xylene	13.690	91	22038m	0.105	ppbv	

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

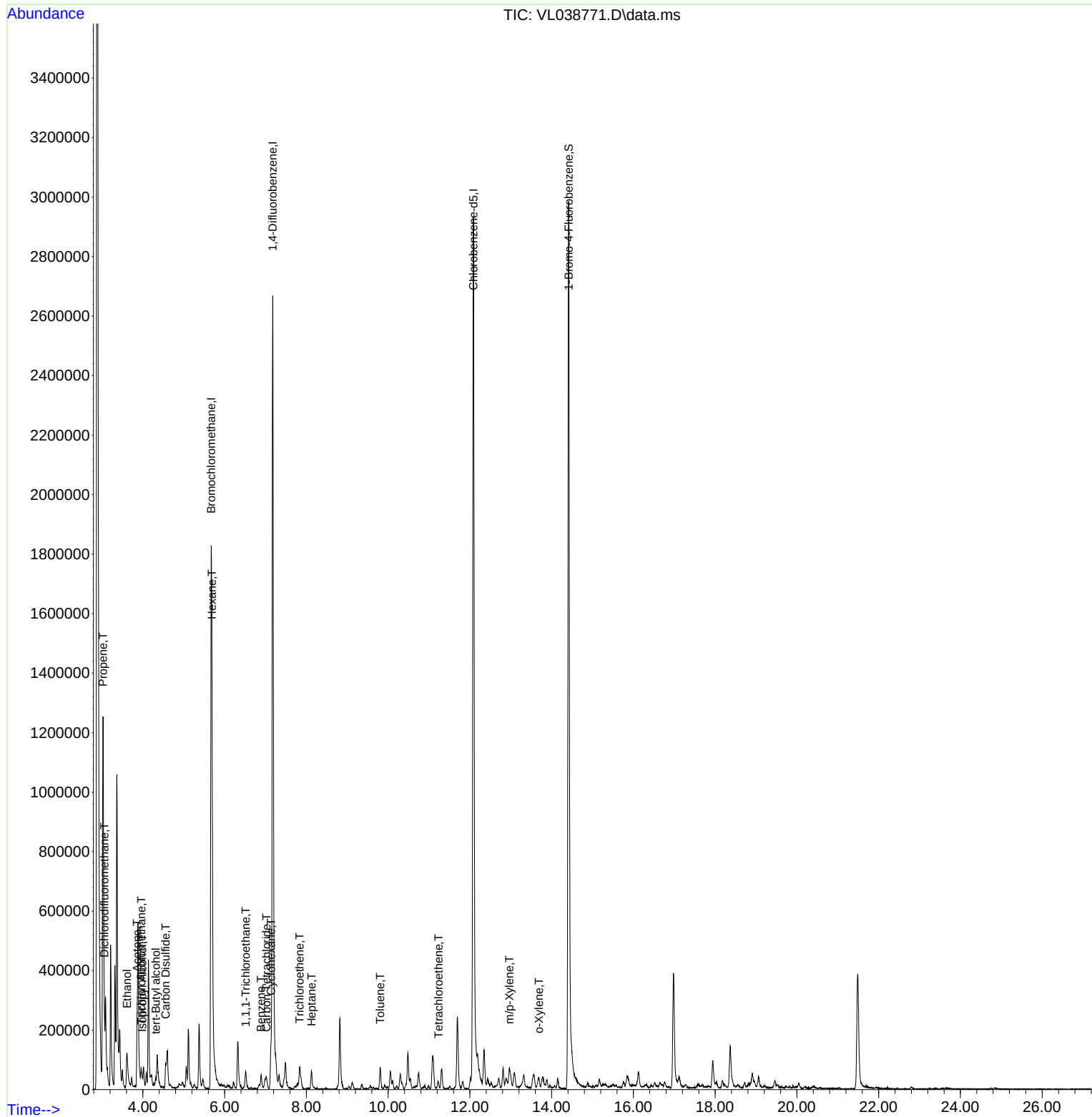
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
Data File : VL038771.D
Acq On : 28 Mar 2022 14:57
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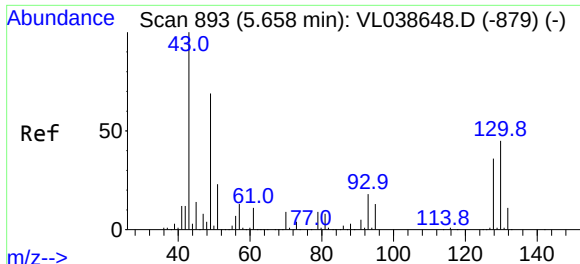
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DL

Quant Time: Mar 29 06:11:53 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
APPROVED

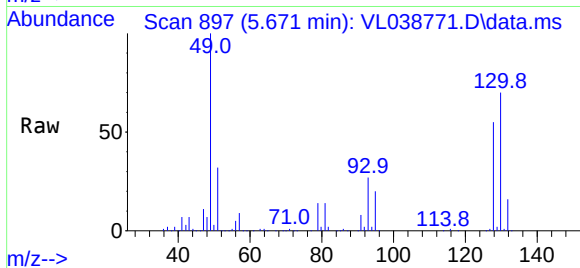
Reviewed By : Semsettin Yesilyurt 03/29/2022
Supervised By : Mahesh Dadoda 03/29/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

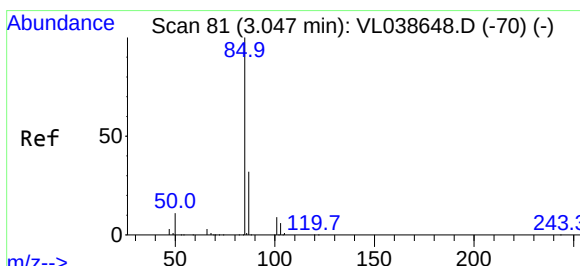
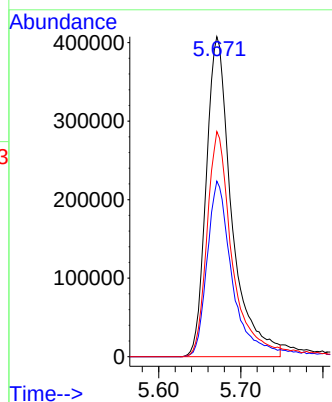
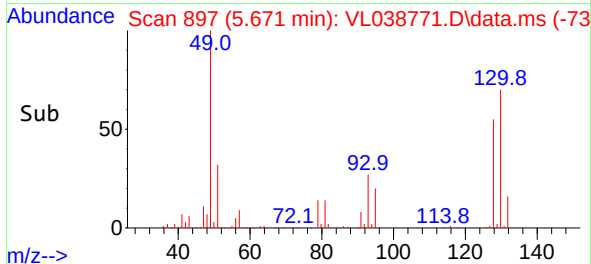
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DL



Tgt Ion: 49 Resp: 879614
Ion Ratio Lower Upper
49 100
128 57.2 26.2 78.6
130 73.7 33.7 101.1

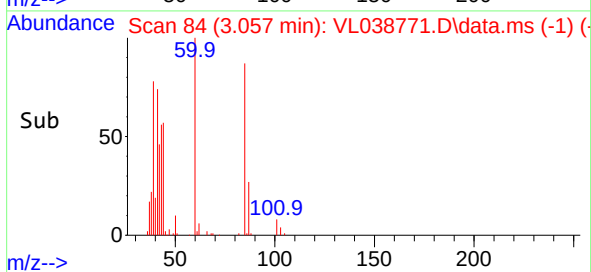
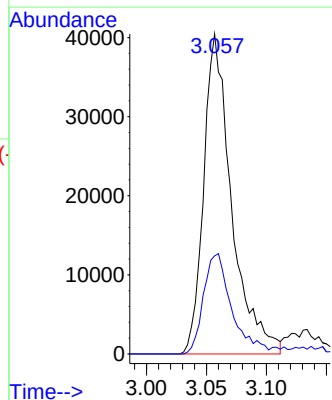
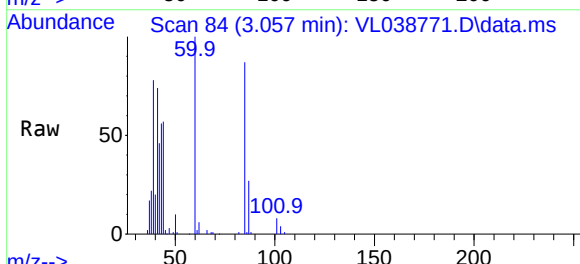
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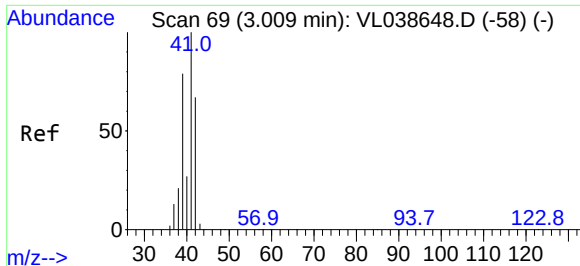
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#2
Dichlorodifluoromethane
Concen: 0.555 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.009 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

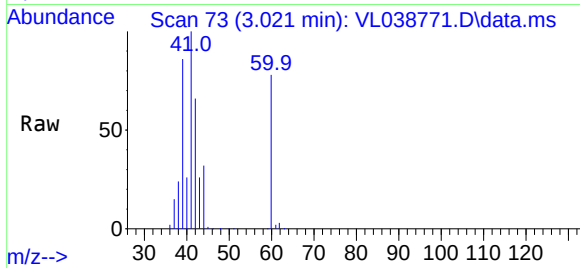
Tgt Ion: 85 Resp: 65587
Ion Ratio Lower Upper
85 100
87 30.6 26.0 39.0





#9
Propene
Concen: 12.120 ppbv
RT: 3.021 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

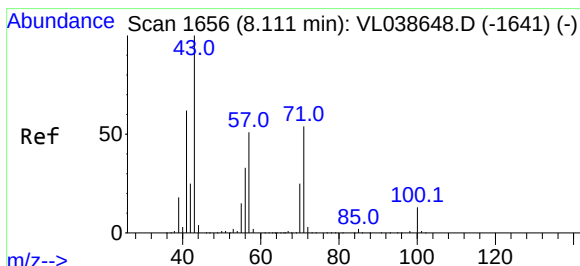
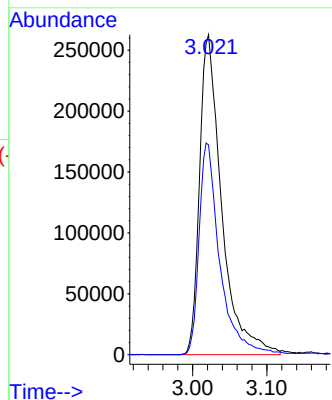
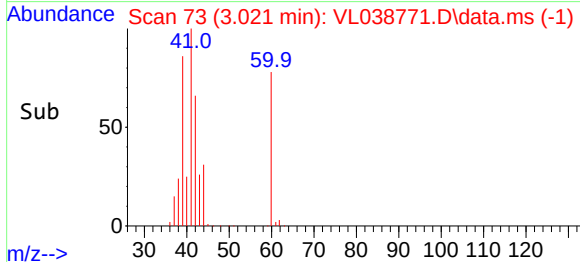
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DL



Tgt Ion: 41 Resp: 543610
Ion Ratio Lower Upper
41 100
42 62.2 56.2 84.4

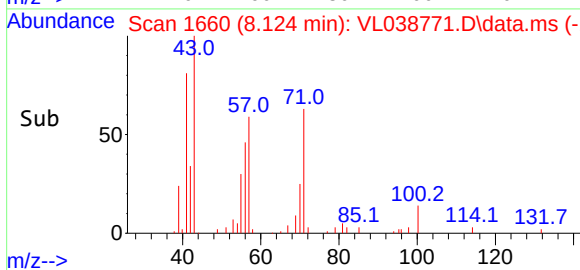
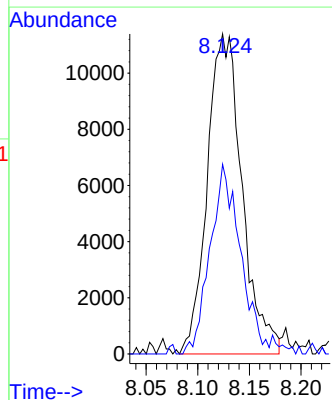
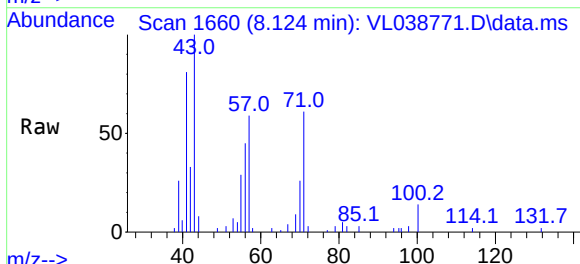
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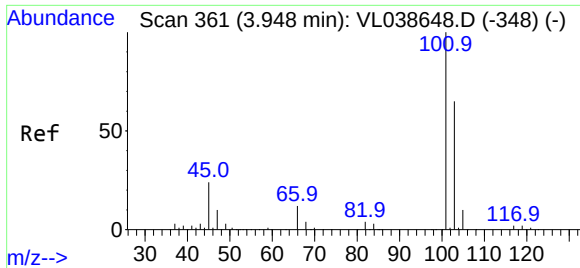
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#10
Heptane
Concen: 0.249 ppbv m
RT: 8.124 min Scan# 1660
Delta R.T. 0.013 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

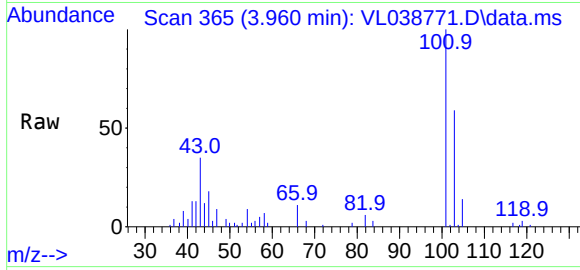
Tgt Ion: 43 Resp: 26664
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2#





#11
Trichlorofluoromethane
Concen: 0.325 ppbv m
RT: 3.960 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

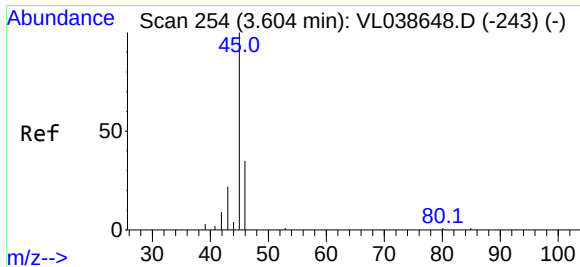
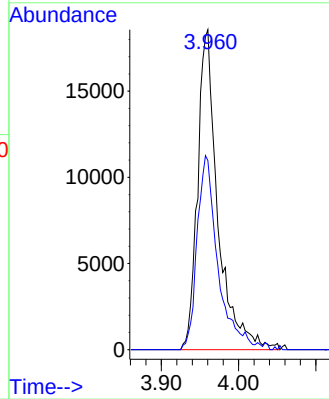
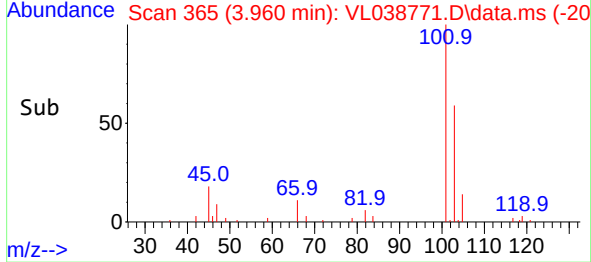
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DL



Tgt Ion:101 Resp: 3388
Ion Ratio Lower Upper
101 100
103 59.1 51.9 77.9

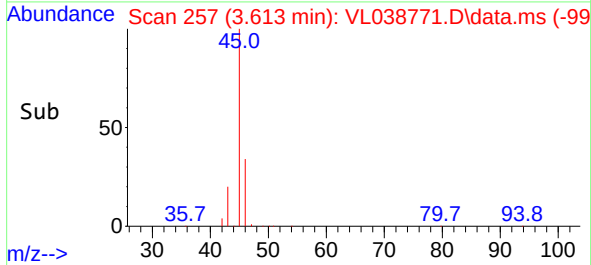
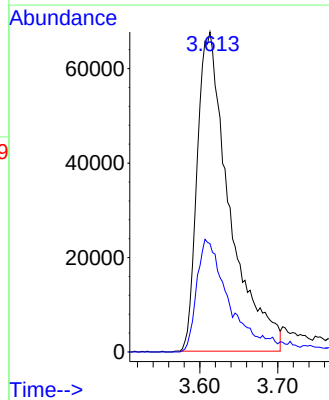
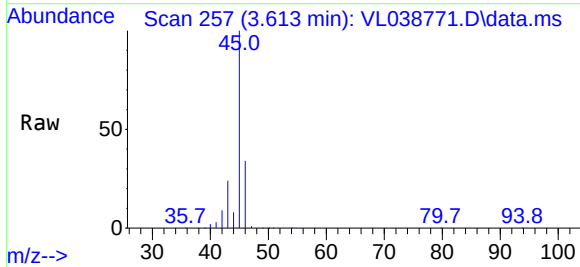
Manual Integrations
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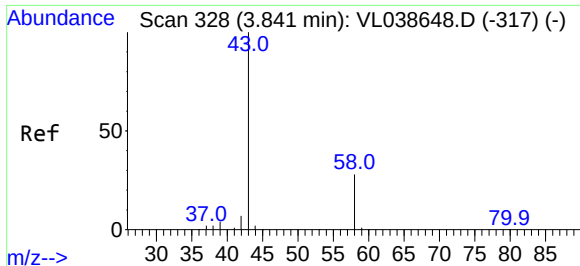
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#13
Ethanol
Concen: 39.307 ppbv
RT: 3.613 min Scan# 257
Delta R.T. 0.009 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

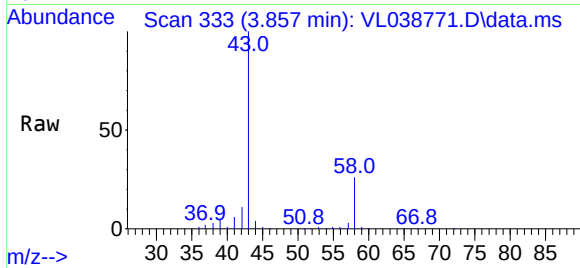
Tgt Ion: 45 Resp: 194474
Ion Ratio Lower Upper
45 100
46 38.6 15.1 60.5





#15
Acetone
Concen: 2.907 ppbv m
RT: 3.857 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

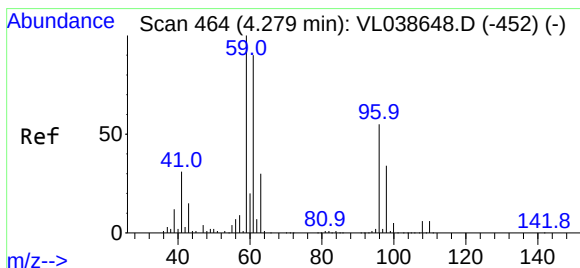
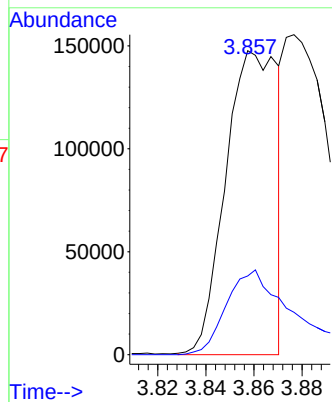
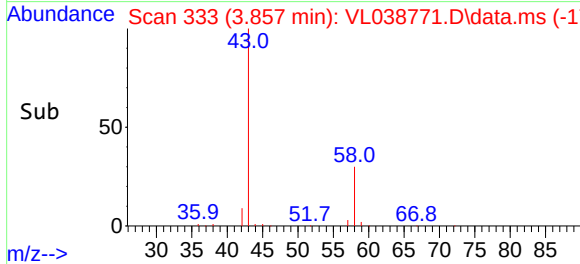
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DL



Tgt Ion: 43 Resp: 220610
Ion Ratio Lower Upper
43 100
58 42.8 23.3 34.9

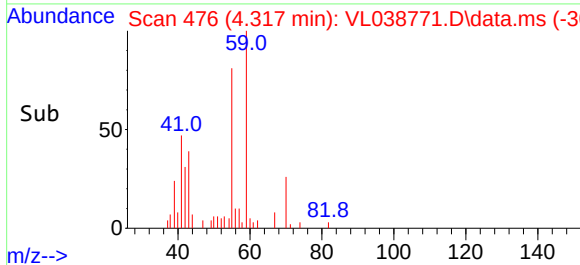
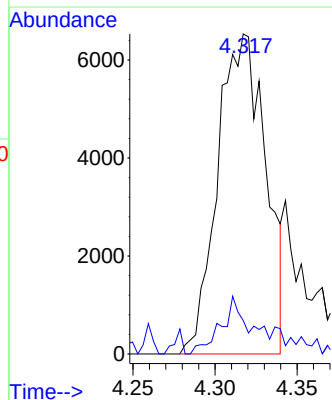
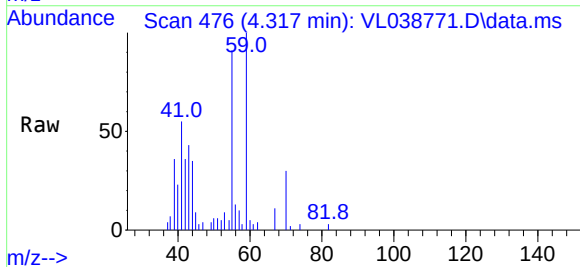
Manual Integrations
APPROVED

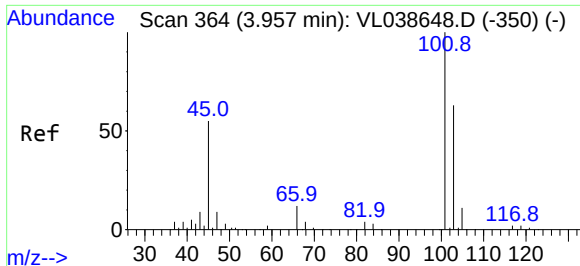
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#17
tert-Butyl alcohol
Concen: 0.200 ppbv
RT: 4.317 min Scan# 476
Delta R.T. 0.038 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

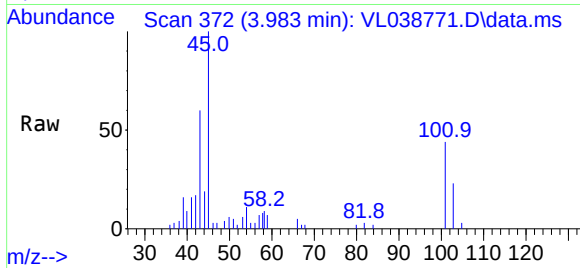
Tgt Ion: 59 Resp: 13258
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2





#19
Isopropyl Alcohol
Concen: 0.500 ppbv
RT: 3.983 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

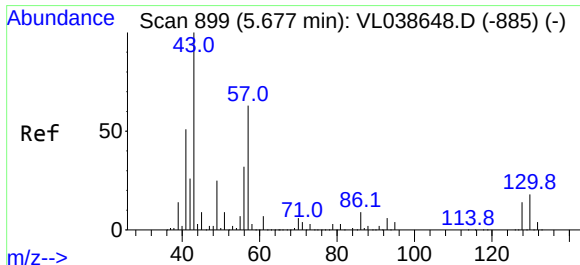
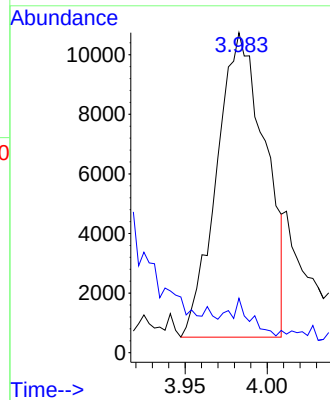
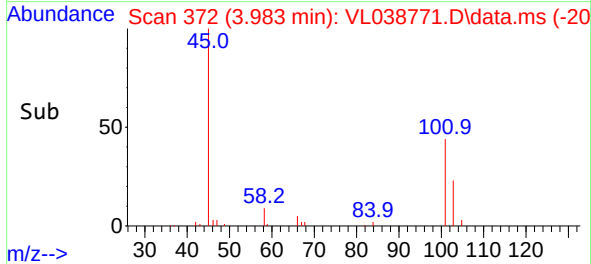
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DL



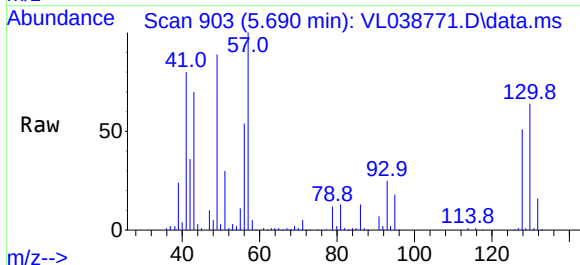
Tgt Ion: 45 Resp: 2103
Ion Ratio Lower Upper
45 100
58 449.0 2.3 3.5

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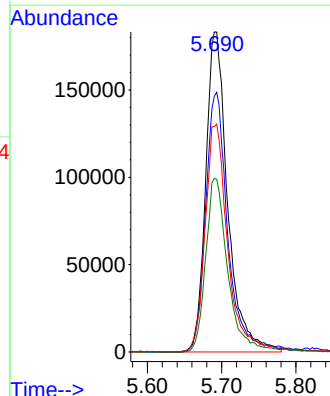
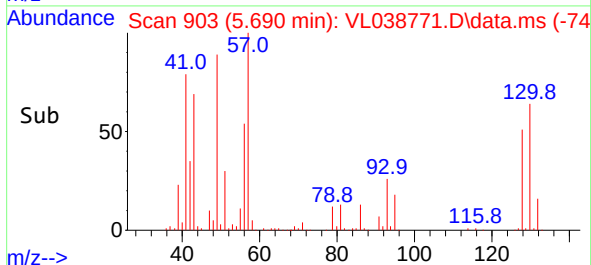
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

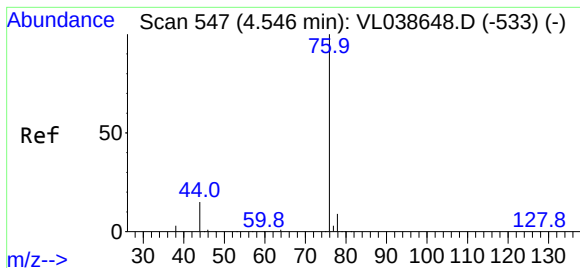


#26
Hexane
Concen: 4.399 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.013 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57



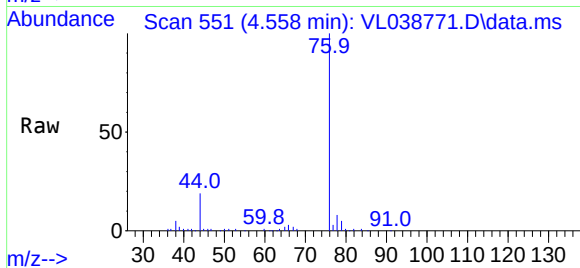
Tgt Ion: 57 Resp: 376257
Ion Ratio Lower Upper
57 100
41 82.9 67.0 100.4
43 74.1 184.2 276.2#
56 55.3 42.6 64.0





#27
Carbon Disulfide
Concen: 1.256 ppbv
RT: 4.558 min Scan# 51
Delta R.T. 0.013 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

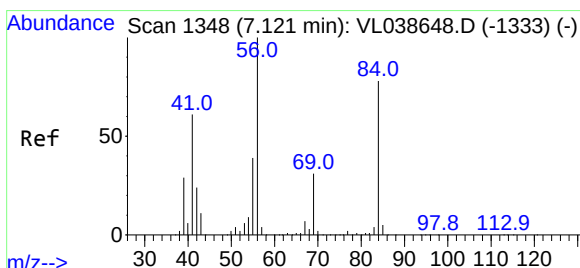
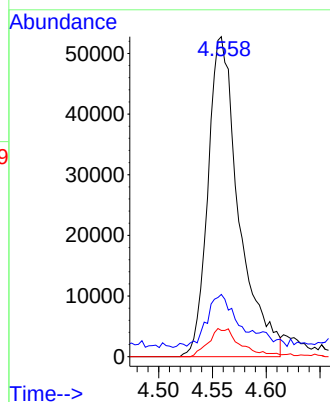
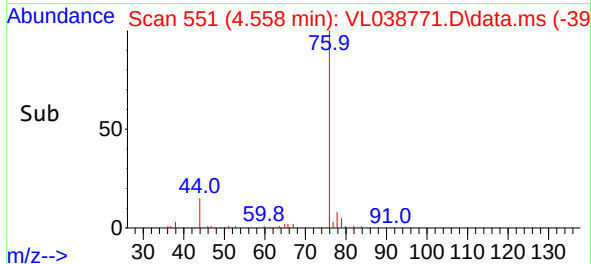
Instrument :
MSVOA_L
ClientSampleId :
SV-02-(SB-07)DL



Tgt Ion: 76 Resp: 10543
Ion Ratio Lower Upper
76 100
44 20.3 12.4 18.6
78 9.5 7.8 11.8

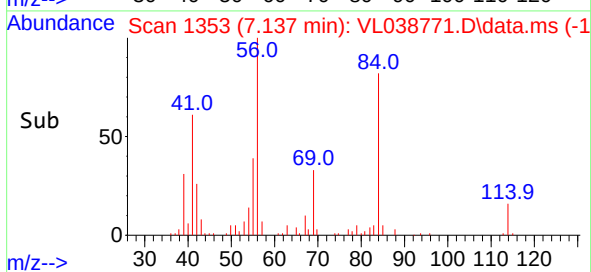
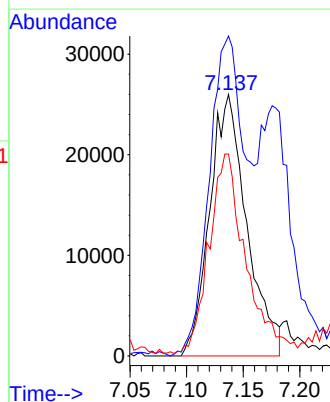
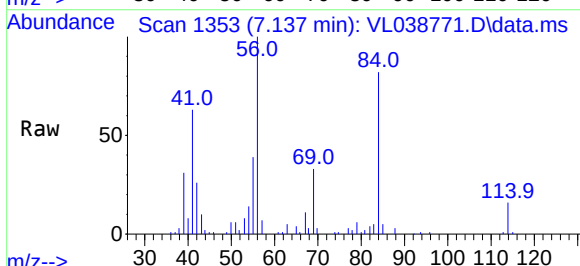
Manual Integrations
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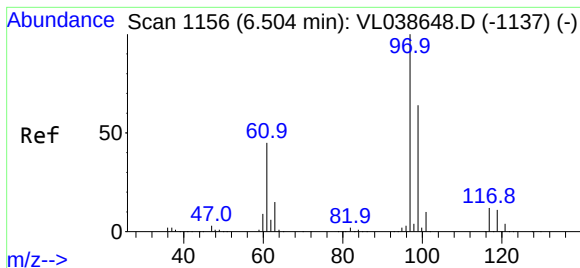
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#30
Cyclohexane
Concen: 0.796 ppbv m
RT: 7.137 min Scan# 1353
Delta R.T. 0.016 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

Tgt Ion: 84 Resp: 59213
Ion Ratio Lower Upper
84 100
56 113.0 108.2 162.4
41 76.7 61.8 92.6





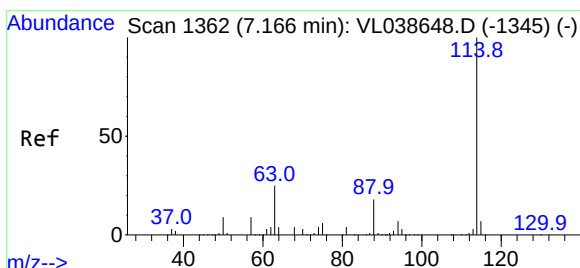
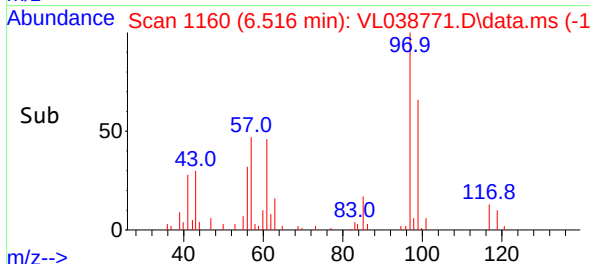
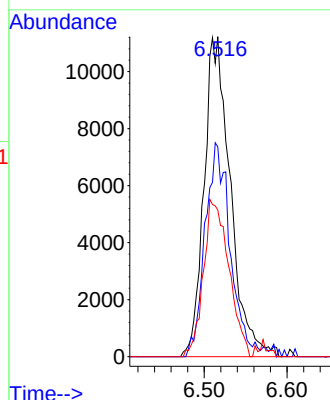
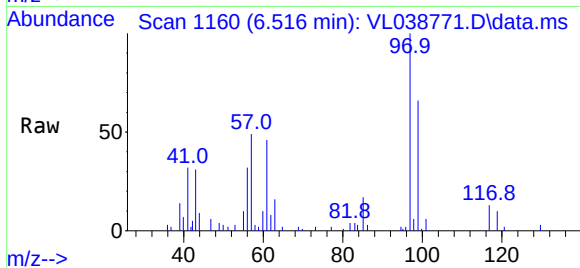
#32
1,1,1-Trichloroethane
Concen: 0.188 ppbv m
RT: 6.516 min Scan# 1156
Delta R.T. 0.013 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

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

Tgt Ion: 97 Resp: 24804
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.8
61 0.0 36.7 55.1

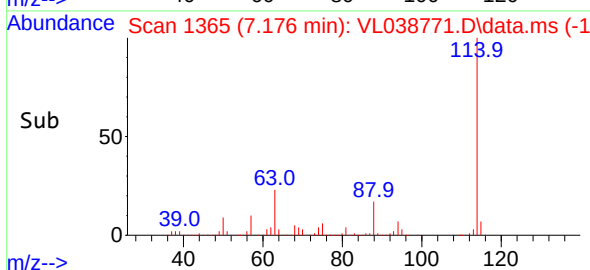
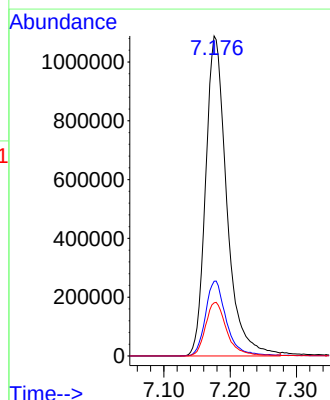
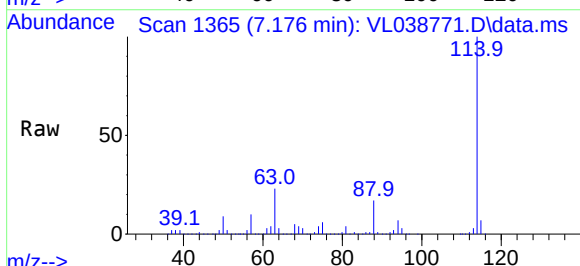
Manual Integrations
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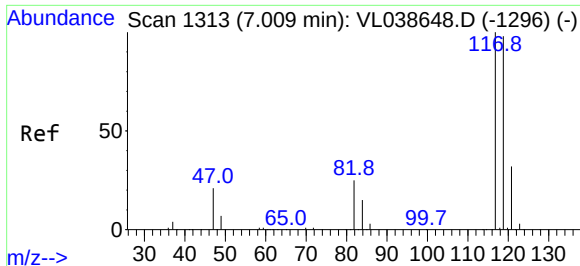
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. 0.009 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

Tgt Ion:114 Resp: 2410017
Ion Ratio Lower Upper
114 100
63 23.5 19.4 29.0
88 17.1 13.9 20.9





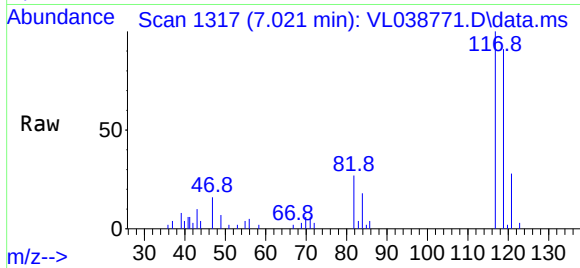
#35
Carbon Tetrachloride
Concen: 0.173 ppbv
RT: 7.021 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

Instrument :

MSVOA_L

ClientSampleId :

SV-02-(SB-07)DL

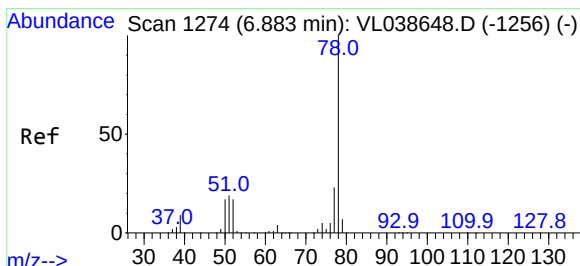
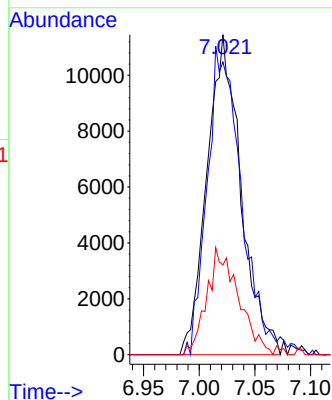
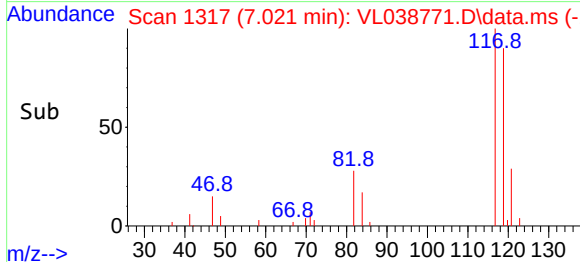


Tgt Ion:117 Resp: 2421
Ion Ratio Lower Upper
117 100
119 91.5 78.1 117.1
121 28.1 25.8 38.6

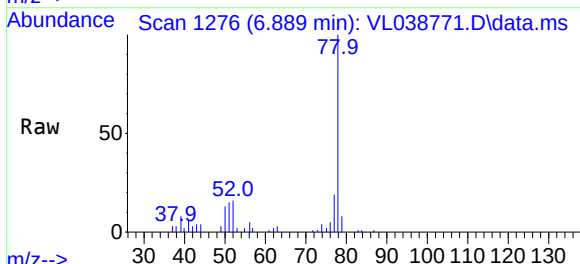
Manual Integrations

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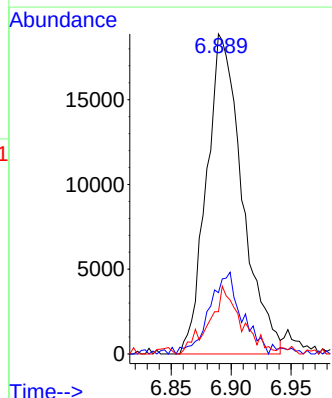
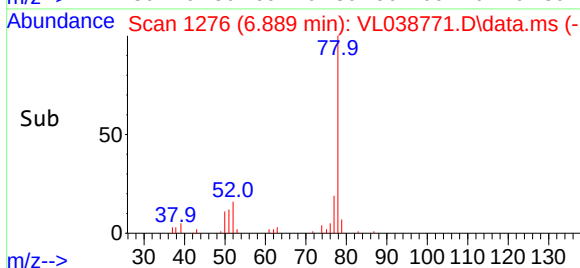
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

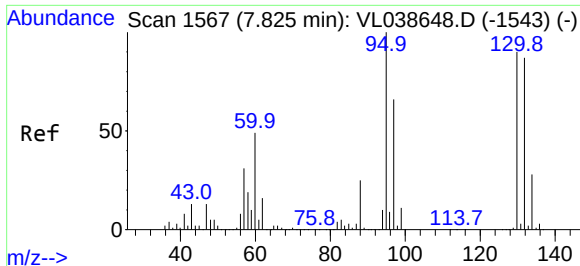


#36
Benzene
Concen: 0.210 ppbv
RT: 6.889 min Scan# 1276
Delta R.T. 0.006 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57



Tgt Ion: 78 Resp: 39057
Ion Ratio Lower Upper
78 100
77 17.3 18.1 27.1#
50 13.2 13.6 20.4#





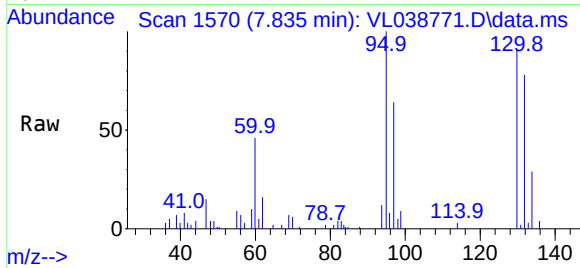
#38
 Trichloroethene
 Concen: 0.312 ppbv m
 RT: 7.835 min Scan# 1567
 Delta R.T. 0.009 min
 Lab File: VL038771.D
 Acq: 28 Mar 2022 14:57

Instrument :

MSVOA_L

ClientSampleId :

SV-02-(SB-07)DL



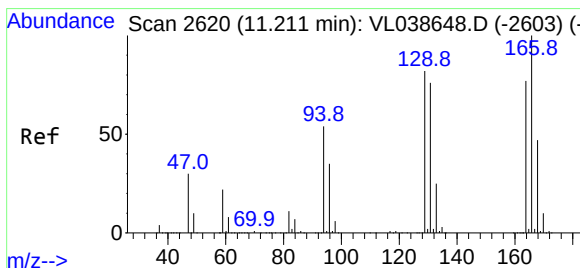
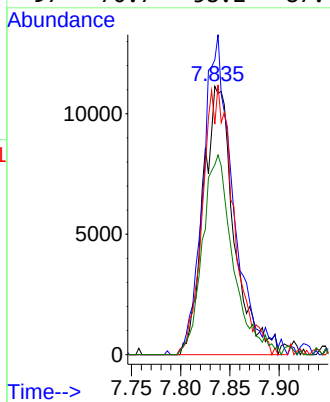
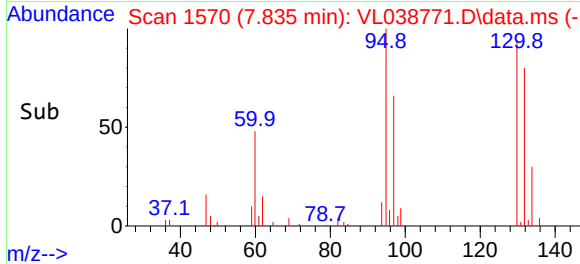
Tgt Ion:130 Resp: 2428

Ion	Ratio	Lower	Upper
130	100		
95	109.9	88.9	133.3
132	85.9	77.4	116.0
97	70.7	58.2	87.4

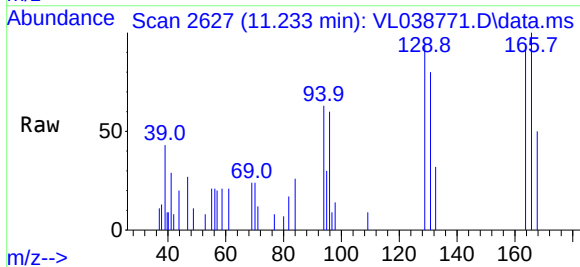
Manual Integrations

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

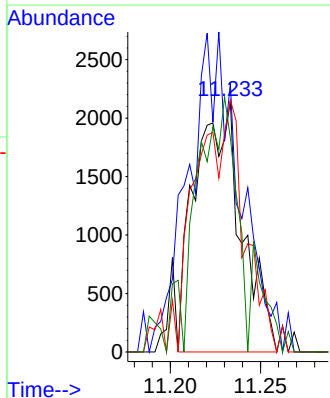
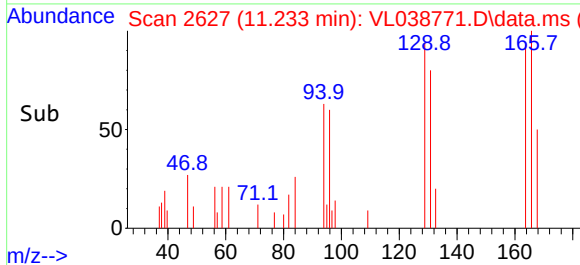


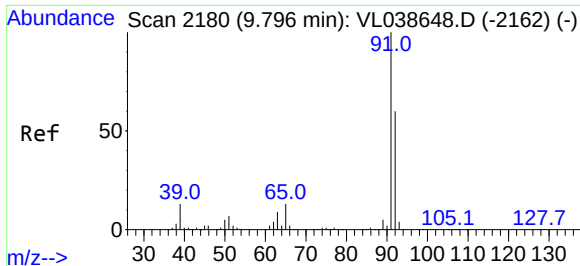
#52
 Tetrachloroethene
 Concen: 0.057 ppbv m
 RT: 11.233 min Scan# 2627
 Delta R.T. 0.022 min
 Lab File: VL038771.D
 Acq: 28 Mar 2022 14:57



Tgt Ion:164 Resp: 3851

Ion	Ratio	Lower	Upper
164	100		
166	107.1	103.3	154.9
129	100.5	85.2	127.8
131	85.3	78.3	117.5





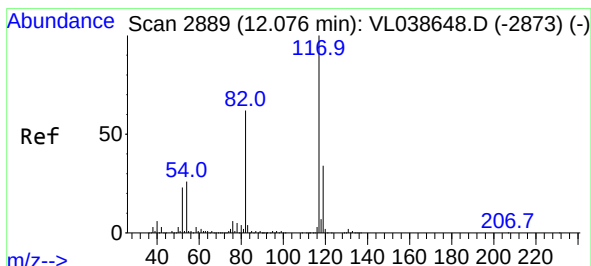
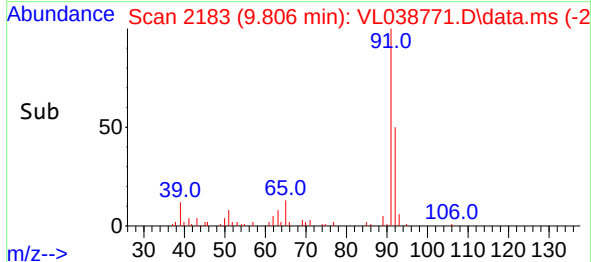
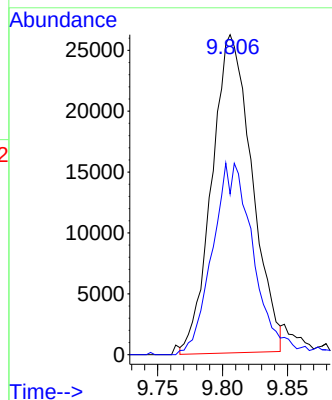
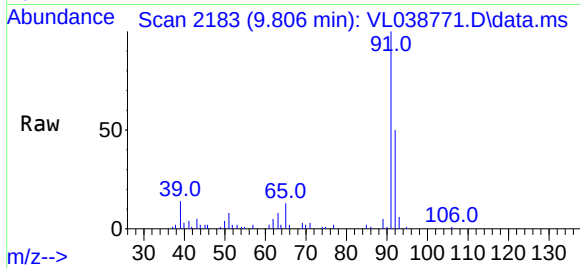
#53
Toluene
Concen: 0.281 ppbv
RT: 9.806 min Scan# 2180
Delta R.T. 0.009 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

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

Tgt Ion: 91 Resp: 56228
Ion Ratio Lower Upper
91 100
92 62.7 48.7 73.1

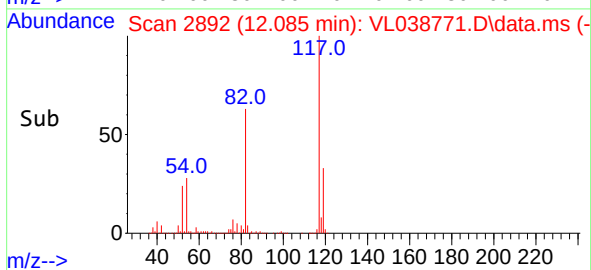
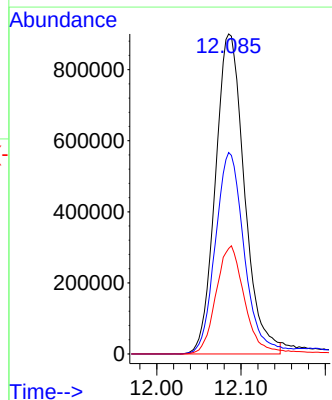
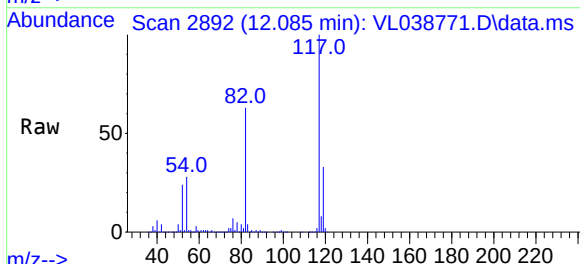
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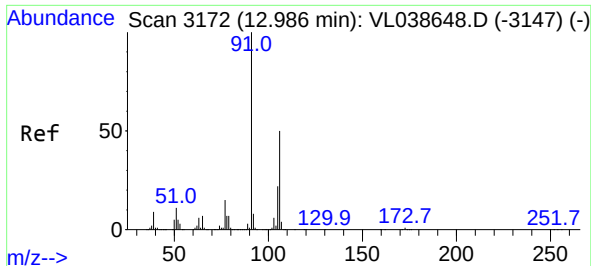
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 2892
Delta R.T. 0.009 min
Lab File: VL038771.D
Acq: 28 Mar 2022 14:57

Tgt Ion:117 Resp: 2154819
Ion Ratio Lower Upper
117 100
82 66.0 51.6 77.4
119 34.5 26.9 40.3





#59

m/p-Xylene

Concen: 0.292 ppbv m

RT: 12.963 min Scan# 3165

Delta R.T. -0.023 min

Lab File: VL038771.D

Acq: 28 Mar 2022 14:57

Instrument :

MSVOA_L

ClientSampleId :

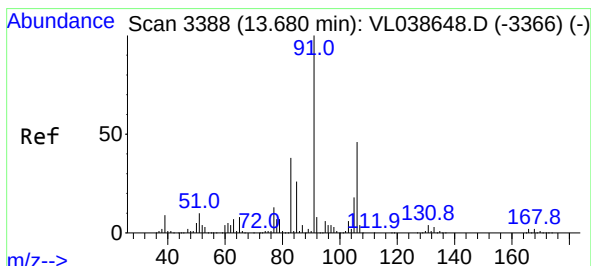
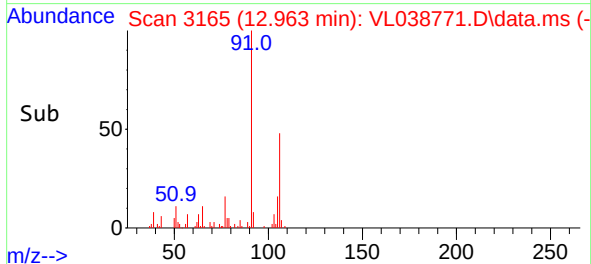
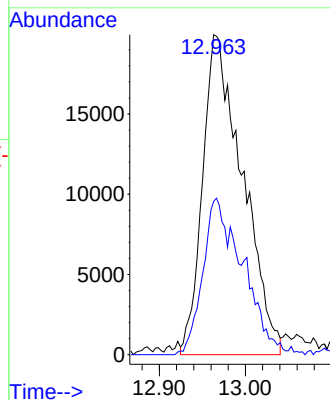
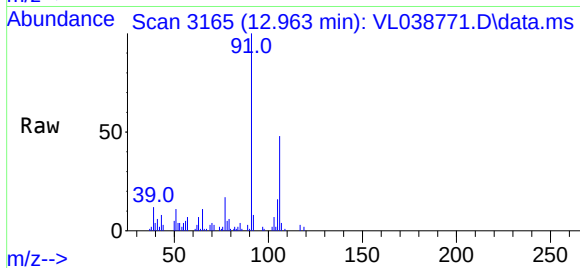
SV-02-(SB-07)DL

Tgt Ion: 91 Resp: 6427
 Ion Ratio Lower Upper
 91 100
 106 0.0 37.2 55.8

Manual Integrations

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



#60

o-Xylene

Concen: 0.105 ppbv m

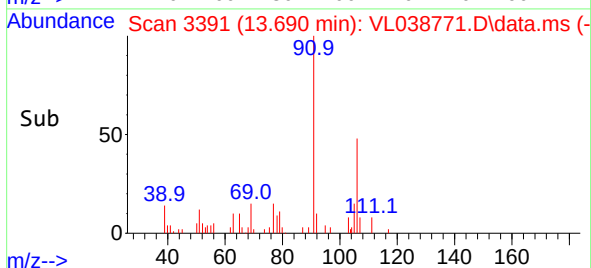
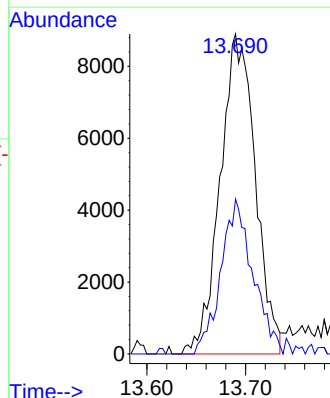
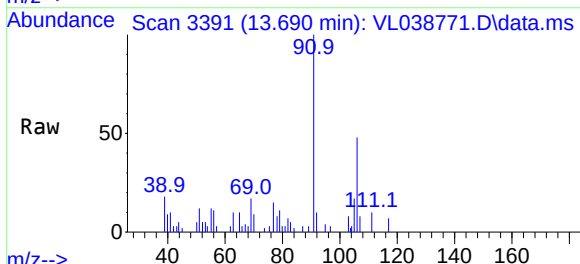
RT: 13.690 min Scan# 3391

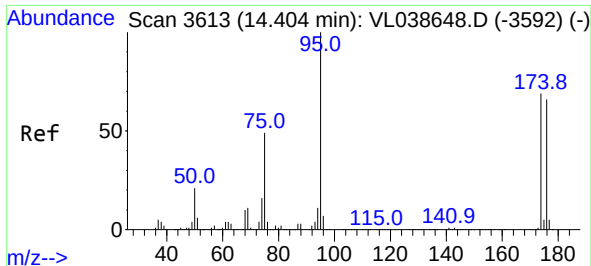
Delta R.T. 0.009 min

Lab File: VL038771.D

Acq: 28 Mar 2022 14:57

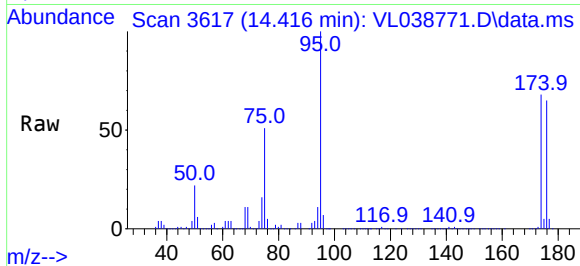
Tgt Ion: 91 Resp: 22038
 Ion Ratio Lower Upper
 91 100
 106 45.2 23.5 70.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.051 ppbv
 RT: 14.416 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: VL038771.D
 Acq: 28 Mar 2022 14:57

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



Tgt Ion: 95 Resp: 166053

Ion	Ratio	Lower	Upper
95	100		
174	70.5	56.1	84.1
175	5.1	4.2	6.2

Manual Integrations
 APPROVED

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

