

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038776.D
 Acq On : 28 Mar 2022 18:17
 Operator : SY/AP
 Sample : N2078-04DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-5DUP

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 06:12:47 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	5.674	49	750614	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	1961043	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.082	117	1692227	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	1259322	9.706	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	71533	0.709	ppbv	97
3) Chlorodifluoromethane	2.992	51	38274m	0.483	ppbv	
4) Chloromethane	3.147	50	24563m	0.564	ppbv	
9) Propene	3.028	41	23773	0.621	ppbv	94
11) Trichlorofluoromethane	3.957	101	28974	0.325	ppbv	88
13) Ethanol	3.610	45	134395	31.832	ppbv	99
15) Acetone	3.857	43	234290	3.617	ppbv	100
19) Isopropyl Alcohol	3.980	45	30643m	0.853	ppbv	
20) Methylene Chloride	4.353	84	300096	11.000	ppbv	99
26) Hexane	5.693	57	216518	2.966	ppbv #	39
34) 2-Butanone	5.259	43	29882m	0.385	ppbv	
35) Carbon Tetrachloride	7.024	117	8380m	0.074	ppbv	
36) Benzene	6.893	78	30249	0.200	ppbv	95
53) Toluene	9.809	91	102063	0.628	ppbv	97
59) m/p-Xylene	12.976	91	27185m	0.157	ppbv	

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

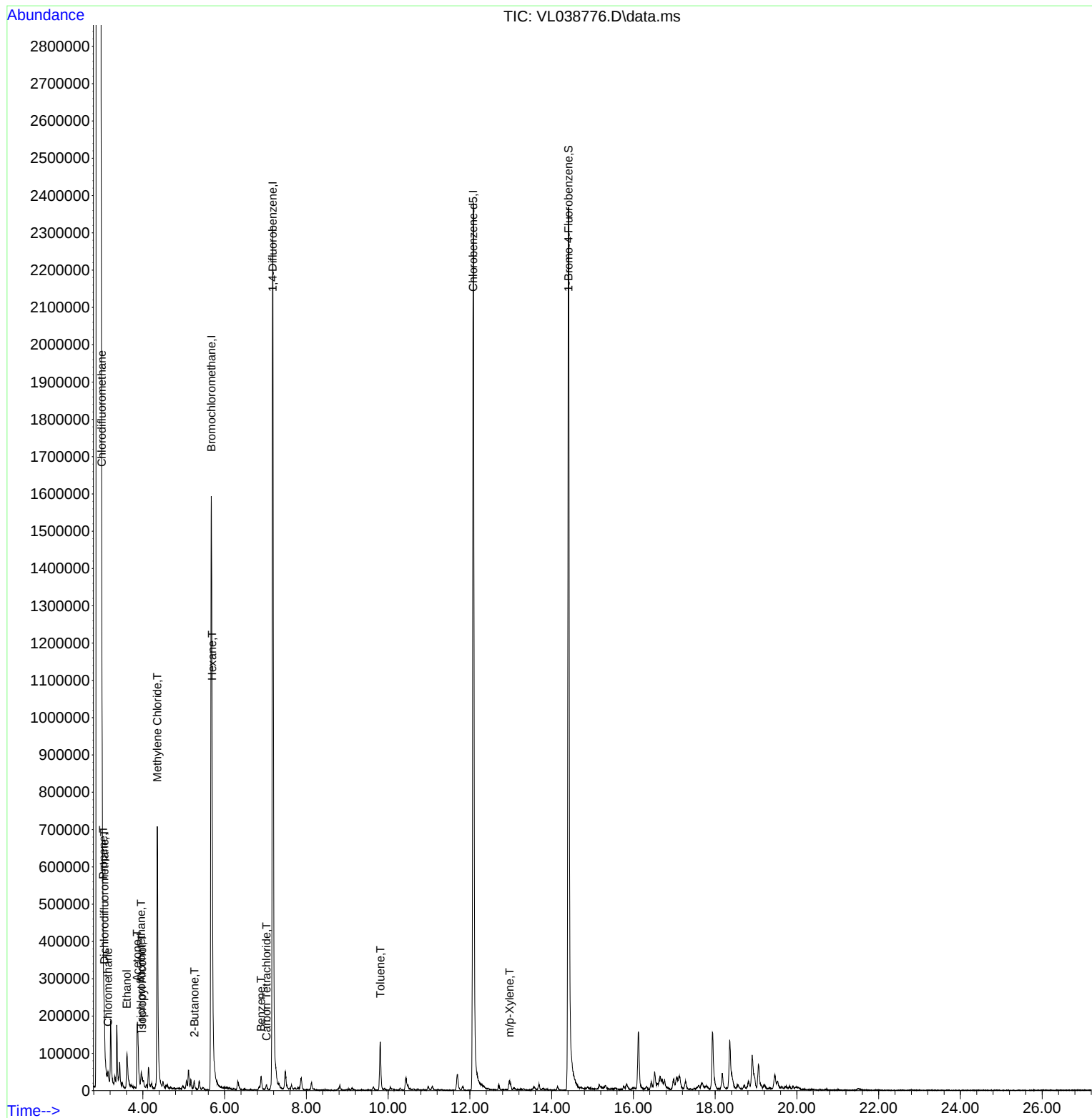
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
Data File : VL038776.D
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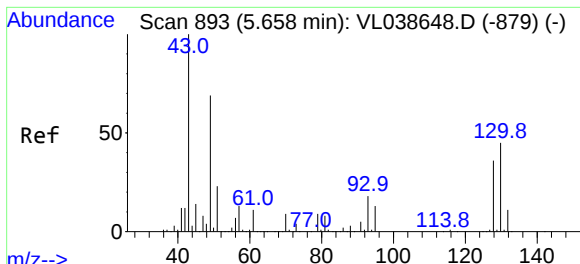
Instrument :
MSVOA_L
ClientSampleId :
V-5DUP

Quant Time: Mar 29 06:12:47 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

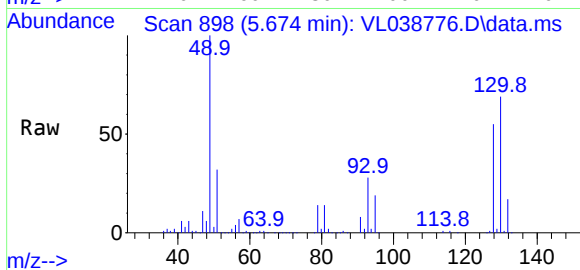
Reviewed By : Semsettin Yesilyurt 03/29/2022
Supervised By : Mahesh Dadoda 03/29/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

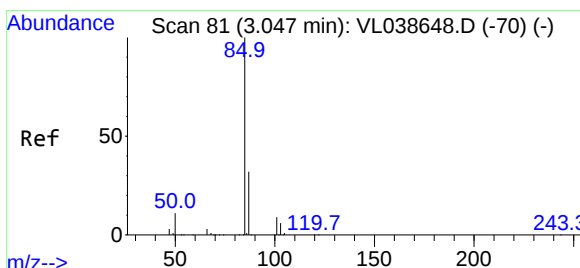
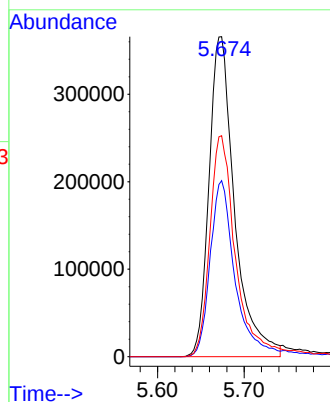
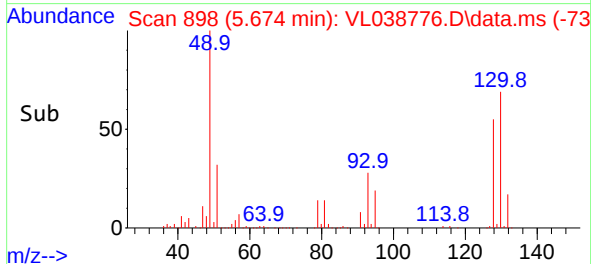
Instrument :
MSVOA_L
ClientSampleId :
V-5DUP



Tgt Ion: 49 Resp: 750614
Ion Ratio Lower Upper
49 100
128 55.8 26.2 78.6
130 71.9 33.7 101.1

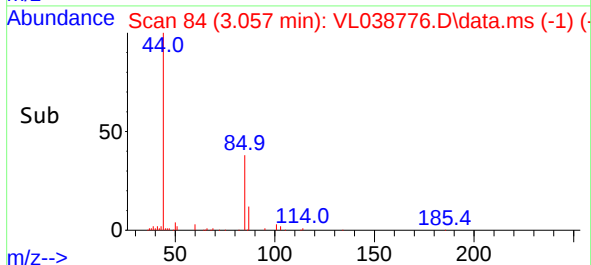
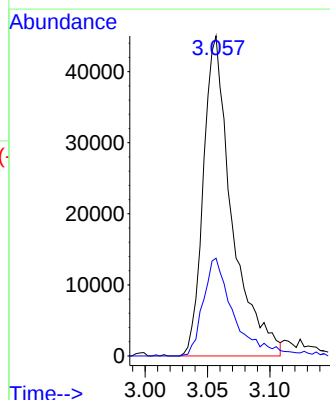
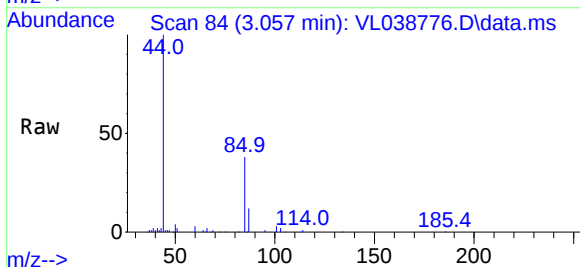
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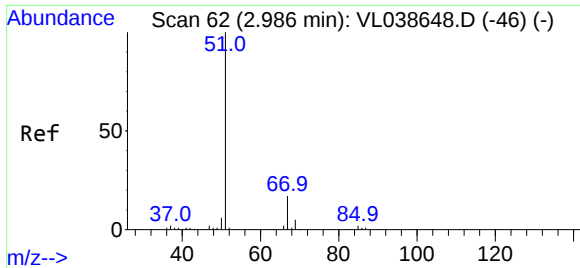
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#2
Dichlorodifluoromethane
Concen: 0.709 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.009 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

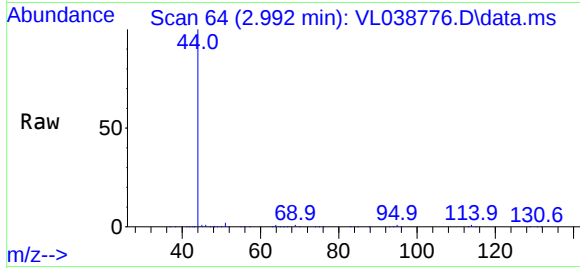
Tgt Ion: 85 Resp: 71533
Ion Ratio Lower Upper
85 100
87 30.5 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.483 ppbv m
RT: 2.992 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

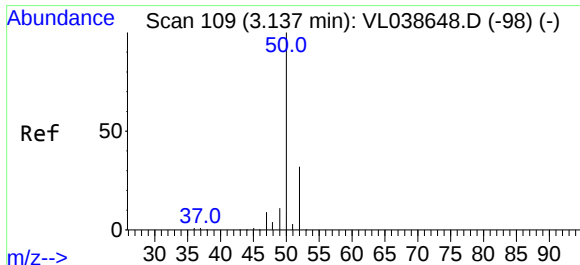
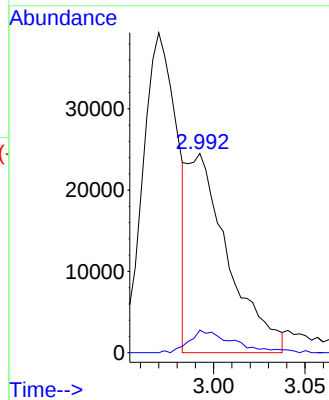
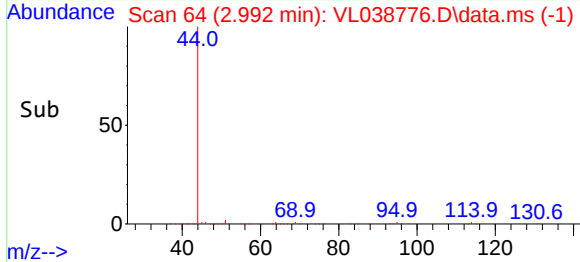
Instrument :
MSVOA_L
ClientSampleId :
V-5DUP



Tgt Ion: 51 Resp: 38274
Ion Ratio Lower Upper
51 100
67 12.3 14.1 21.1

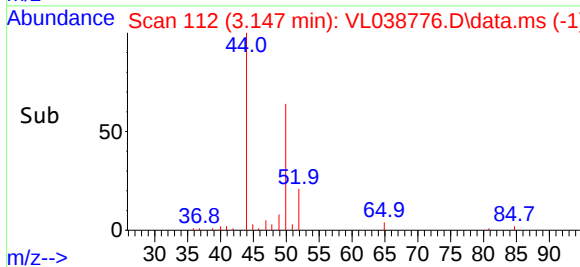
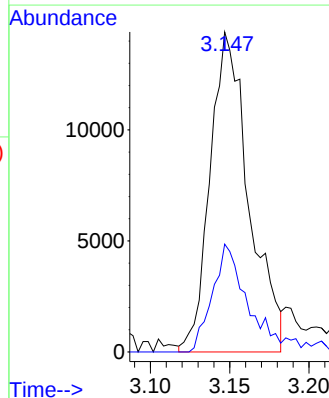
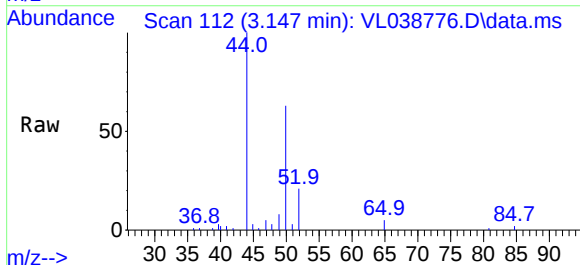
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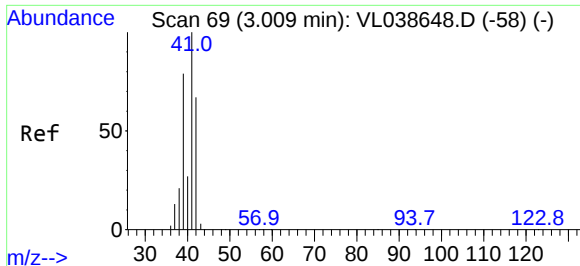
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#4
Chloromethane
Concen: 0.564 ppbv m
RT: 3.147 min Scan# 112
Delta R.T. 0.009 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

Tgt Ion: 50 Resp: 24563
Ion Ratio Lower Upper
50 100
52 33.7 25.5 38.3





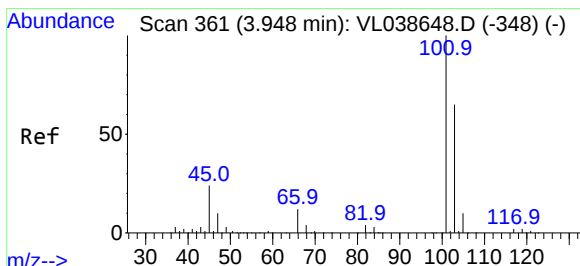
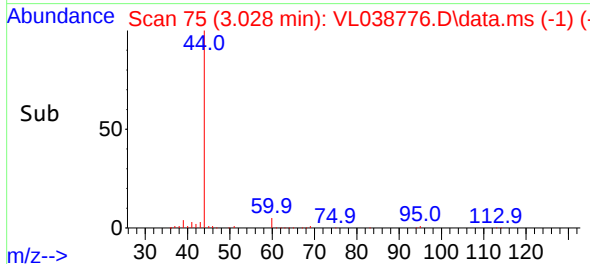
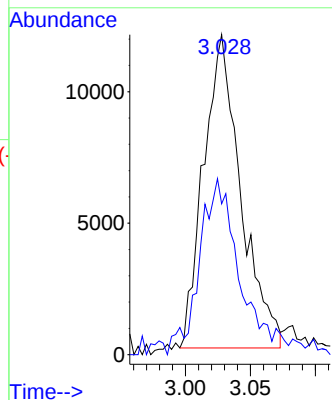
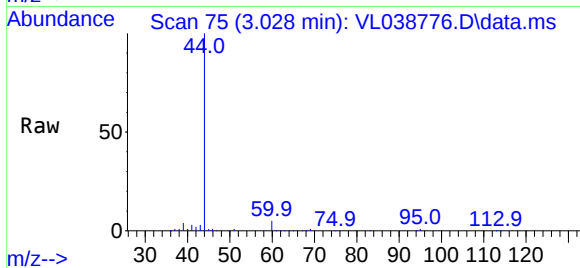
#9
Propene
Concen: 0.621 ppbv
RT: 3.028 min Scan# 70
Delta R.T. 0.019 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

Instrument :
MSVOA_L
ClientSampleId :
V-5DUP

Tgt Ion: 41 Resp: 2377
Ion Ratio Lower Upper
41 100
42 65.2 56.2 84.4

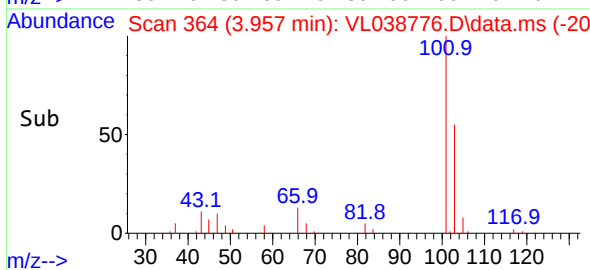
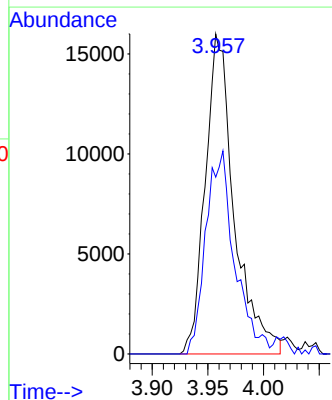
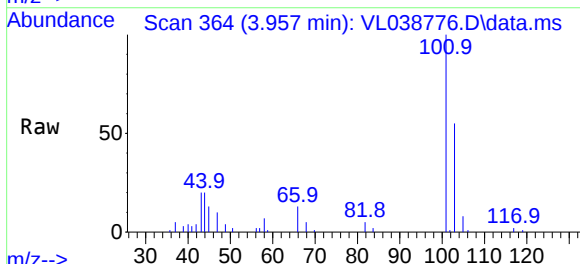
Manual Integrations
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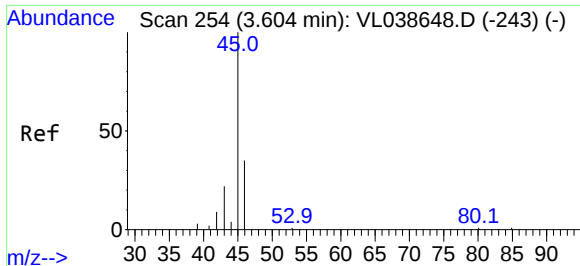
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#11
Trichlorofluoromethane
Concen: 0.325 ppbv
RT: 3.957 min Scan# 364
Delta R.T. 0.009 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

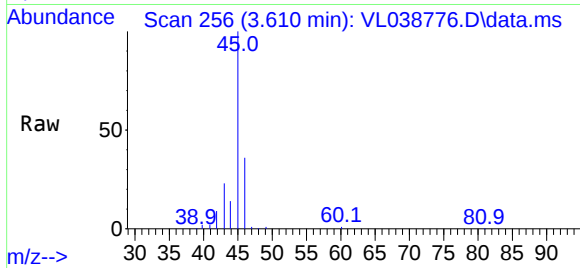
Tgt Ion:101 Resp: 28974
Ion Ratio Lower Upper
101 100
103 55.2 51.9 77.9





#13
Ethanol
Concen: 31.832 ppbv
RT: 3.610 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

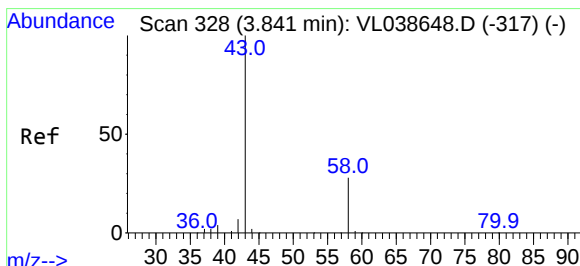
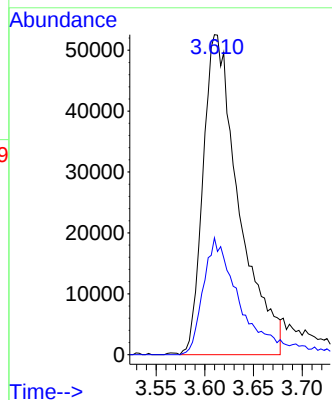
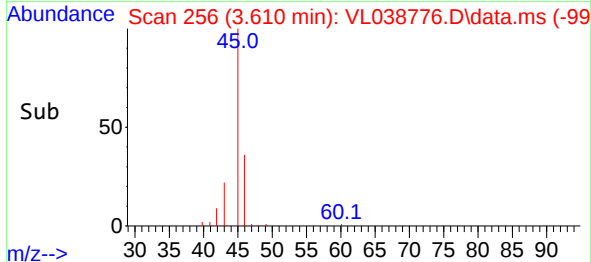
Instrument :
MSVOA_L
ClientSampleId :
V-5DUP



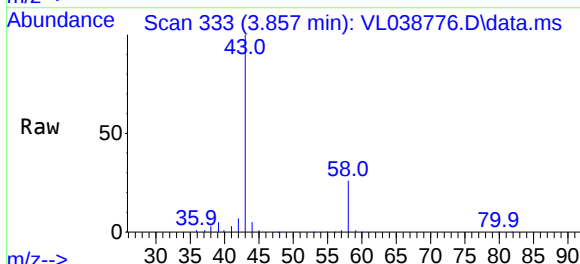
Tgt Ion: 45 Resp: 13439
Ion Ratio Lower Upper
45 100
46 38.6 15.1 60.5

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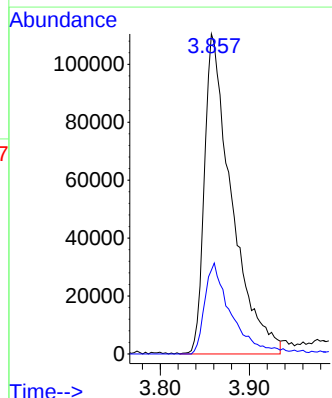
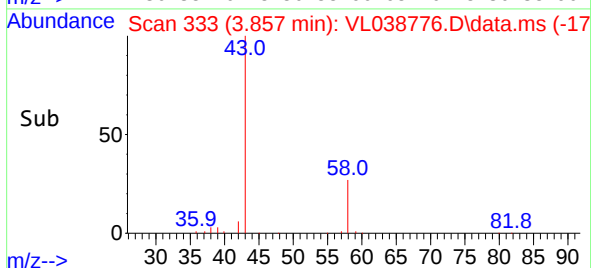
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

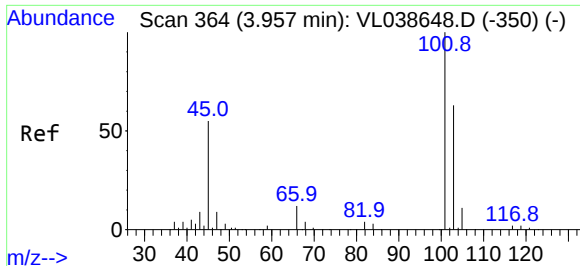


#15
Acetone
Concen: 3.617 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.016 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17



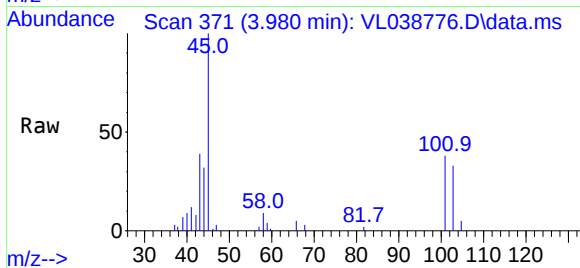
Tgt Ion: 43 Resp: 234290
Ion Ratio Lower Upper
43 100
58 29.1 23.3 34.9





#19
Isopropyl Alcohol
Concen: 0.853 ppbv m
RT: 3.980 min Scan# 31
Delta R.T. 0.022 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

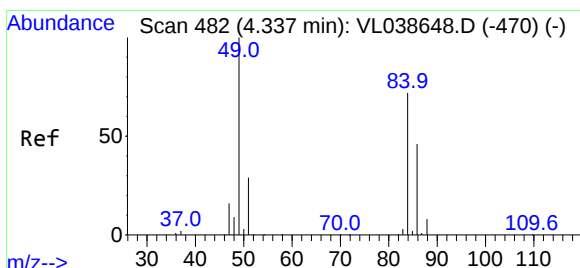
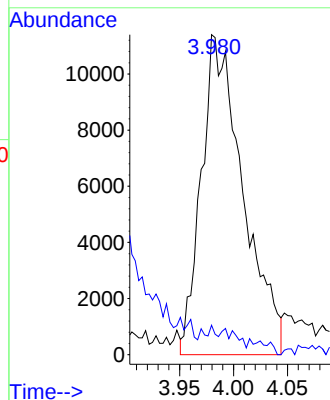
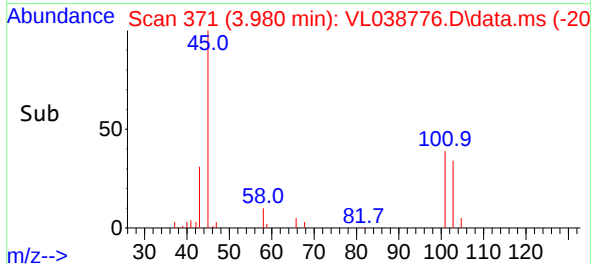
Instrument :
MSVOA_L
ClientSampleId :
V-5DUP



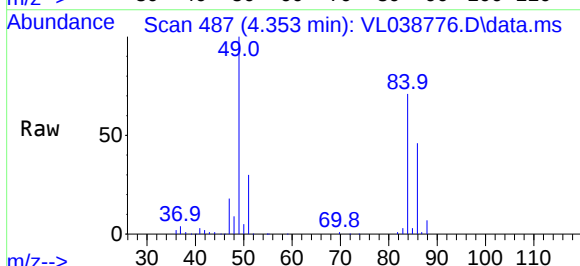
Tgt Ion: 45 Resp: 3064
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5

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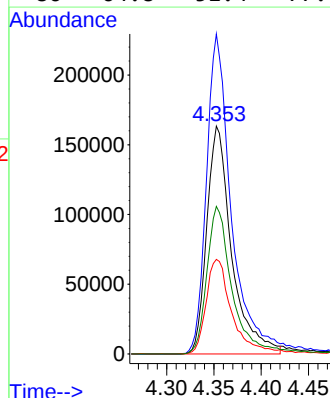
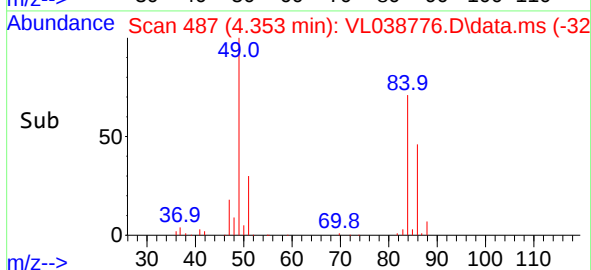
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

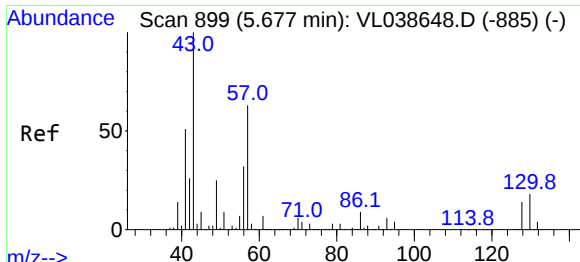


#20
Methylene Chloride
Concen: 11.000 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.016 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17



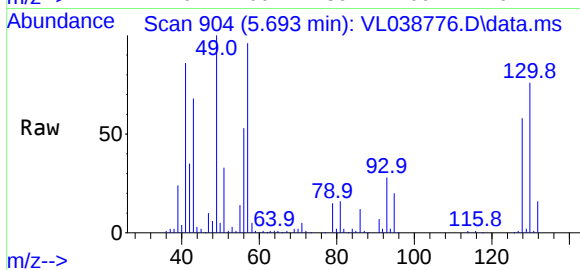
Tgt Ion: 84 Resp: 300096
Ion Ratio Lower Upper
84 100
49 140.4 111.2 166.8
51 41.4 32.8 49.2
86 64.8 51.4 77.0





#26
Hexane
Concen: 2.966 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.016 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

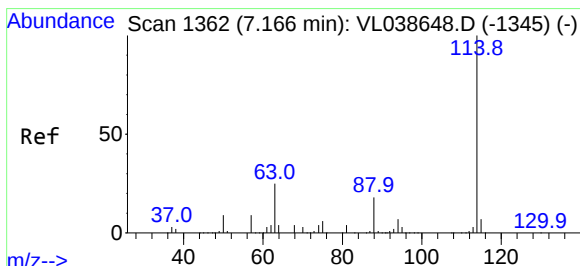
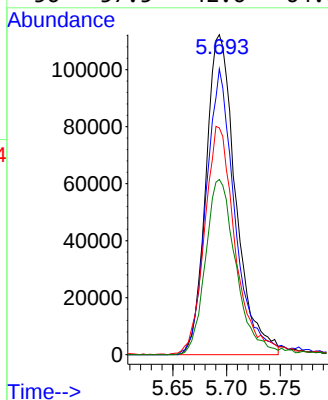
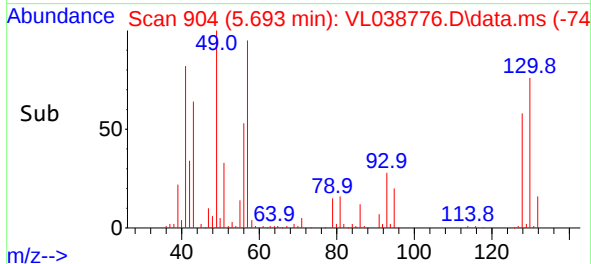
Instrument :
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V-5DUP



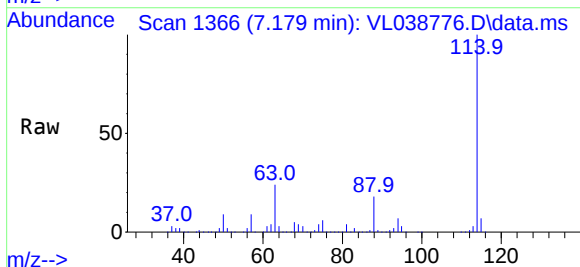
Tgt Ion: 57 Resp: 216518
Ion Ratio Lower Upper
57 100
41 88.2 67.0 100.4
43 75.4 184.2 276.2
56 57.5 42.6 64.0

Manual Integrations
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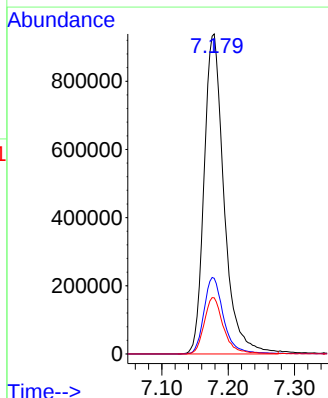
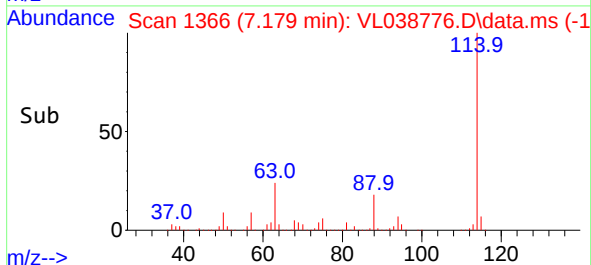
Reviewed By :Semsettin Yesilyurt 03/29/2022
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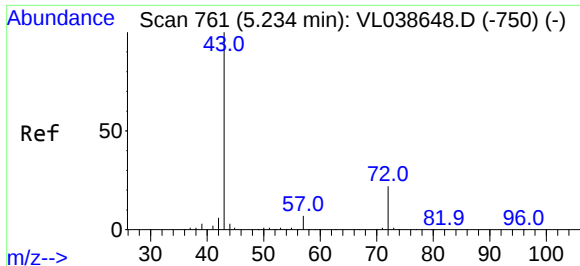


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.013 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17



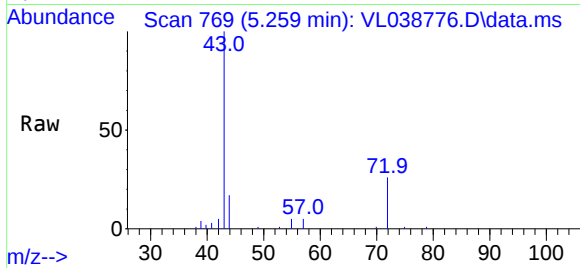
Tgt Ion:114 Resp: 1961043
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.0
88 17.3 13.9 20.9





#34
2-Butanone
Concen: 0.385 ppbv m
RT: 5.259 min Scan# 769
Delta R.T. 0.026 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

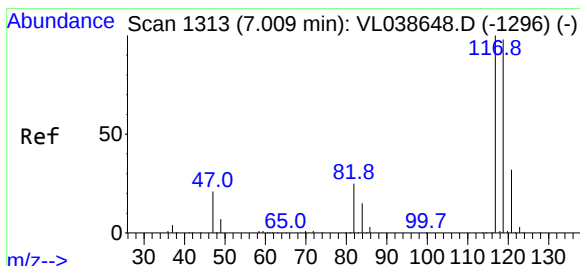
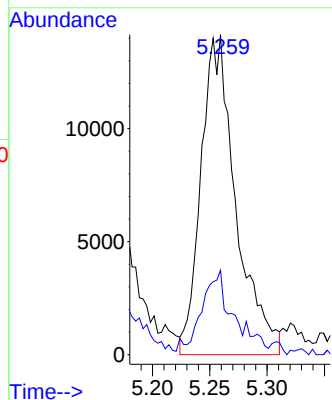
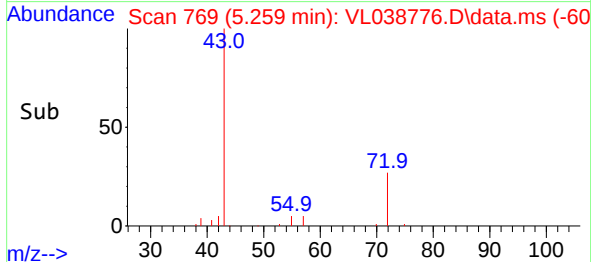
Instrument :
MSVOA_L
ClientSampleId :
V-5DUP



Tgt Ion: 43 Resp: 2988
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.8

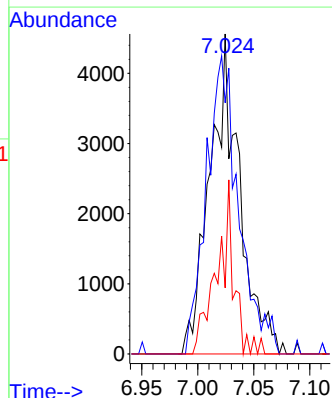
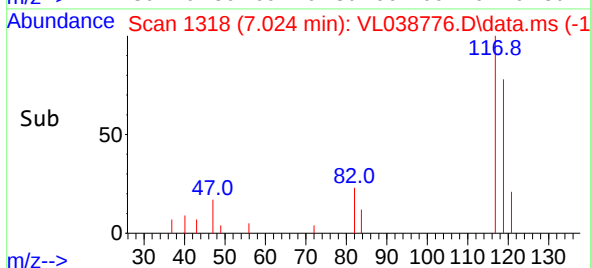
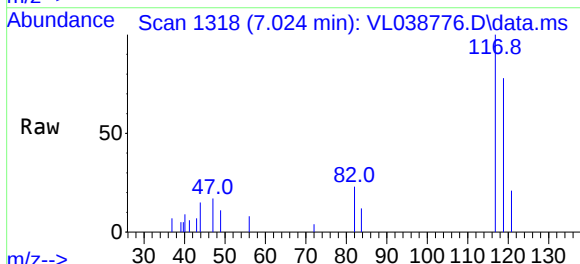
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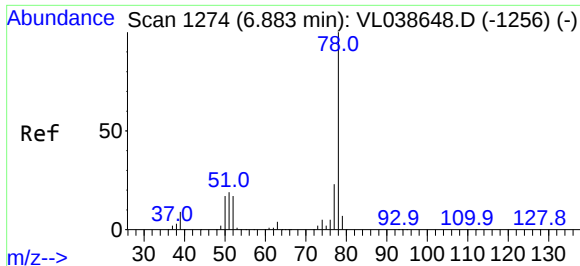
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 7.024 min Scan# 1318
Delta R.T. 0.016 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

Tgt Ion:117 Resp: 8380
Ion Ratio Lower Upper
117 100
119 78.5 78.1 117.1
121 20.7 25.8 38.6





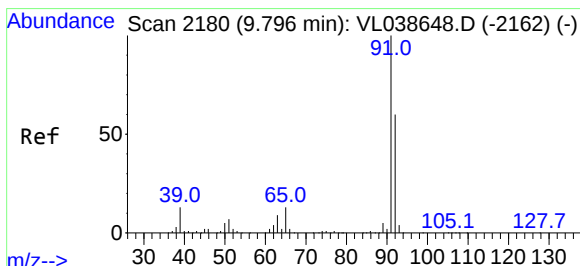
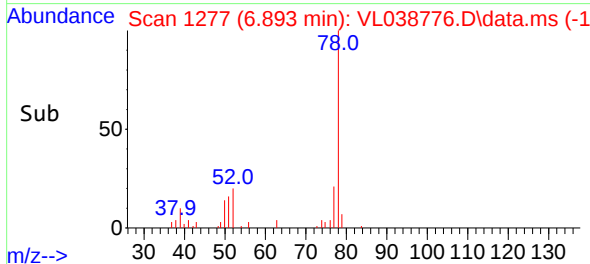
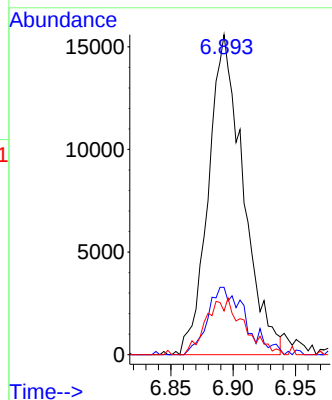
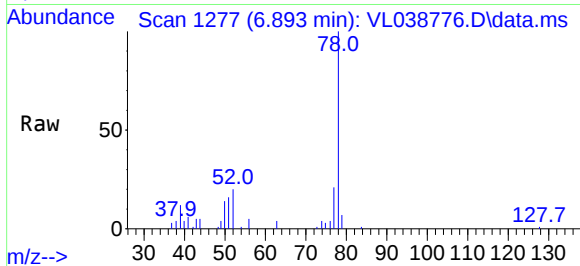
#36
Benzene
Concen: 0.200 ppbv
RT: 6.893 min Scan# 1274
Delta R.T. 0.009 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

Instrument :
MSVOA_L
ClientSampleId :
V-5DUP

Tgt Ion: 78 Resp: 30249
Ion Ratio Lower Upper
78 100
77 21.4 18.1 27.1
50 13.9 13.6 20.4

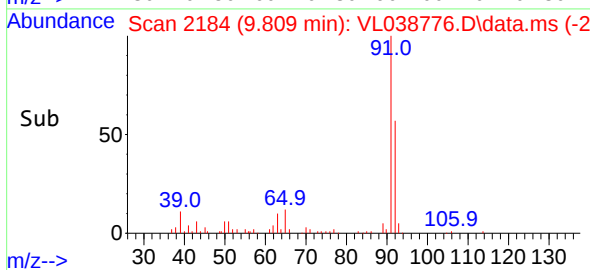
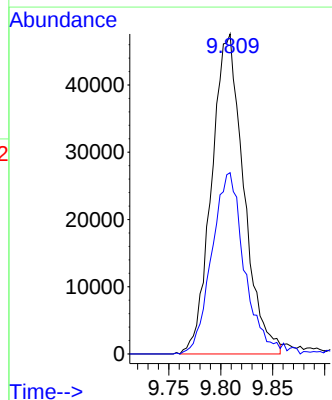
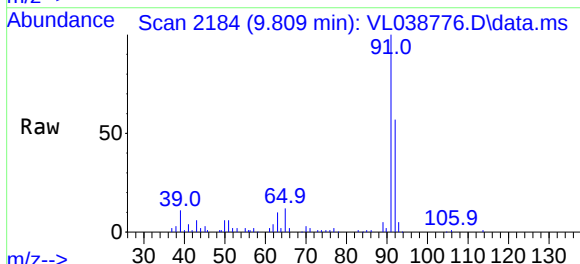
Manual Integrations
APPROVED

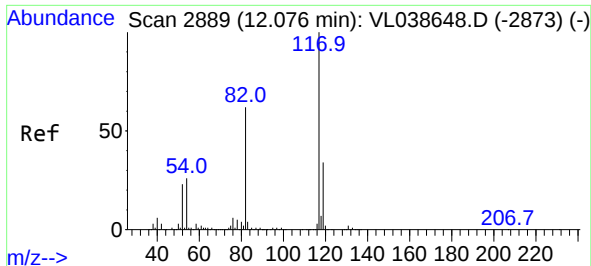
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#53
Toluene
Concen: 0.628 ppbv
RT: 9.809 min Scan# 2184
Delta R.T. 0.013 min
Lab File: VL038776.D
Acq: 28 Mar 2022 18:17

Tgt Ion: 91 Resp: 102063
Ion Ratio Lower Upper
91 100
92 59.0 48.7 73.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.082 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL038776.D

Acq: 28 Mar 2022 18:17

Instrument :

MSVOA_L

ClientSampleId :

V-5DUP

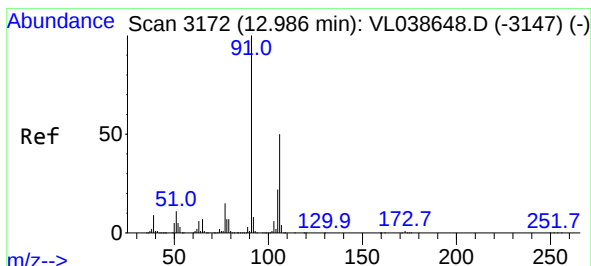
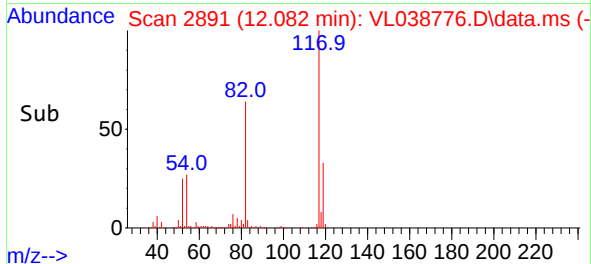
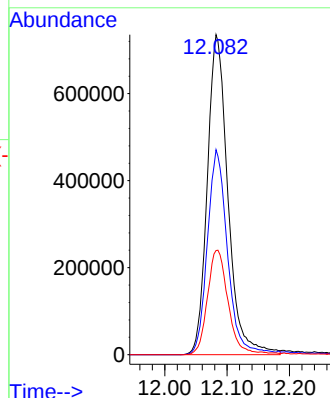
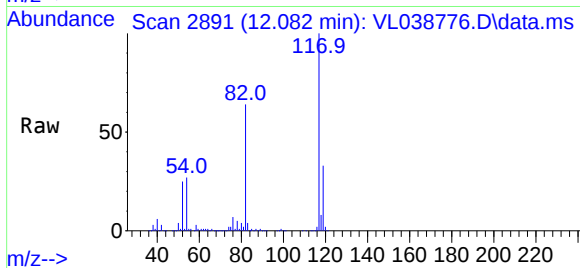
Tgt Ion: 117 Resp: 169222

Ion	Ratio	Lower	Upper
117	100		
82	64.3	51.6	77.4
119	33.5	26.9	40.3

Manual Integrations

APPROVED

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



#59

m/p-Xylene

Concen: 0.157 ppbv m

RT: 12.976 min Scan# 3169

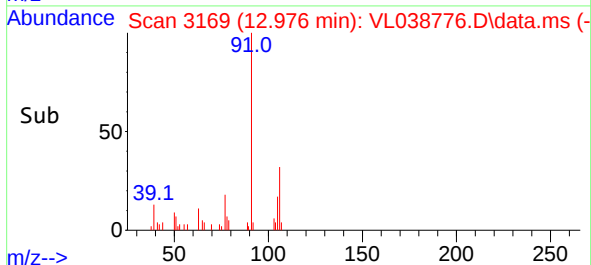
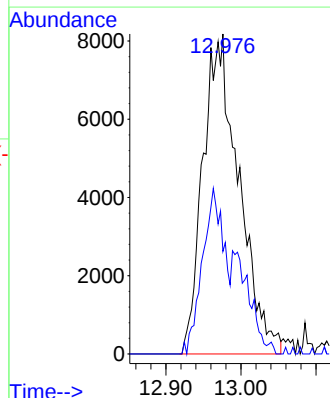
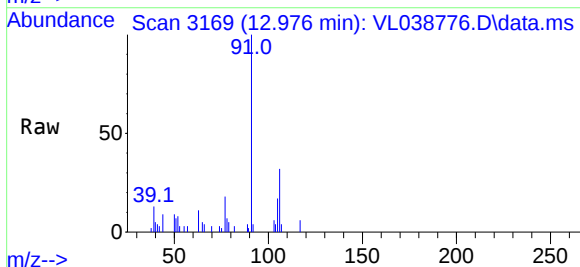
Delta R.T. -0.010 min

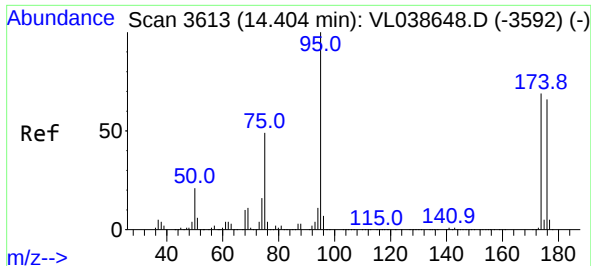
Lab File: VL038776.D

Acq: 28 Mar 2022 18:17

Tgt Ion: 91 Resp: 27185

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.706 ppbv

RT: 14.410 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL038776.D

Acq: 28 Mar 2022 18:17

Instrument :

MSVOA_L

ClientSampleId :

V-5DUP

Tgt Ion: 95 Resp: 125932

Ion Ratio Lower Upper

95 100

174 70.4 56.1 84.1

175 4.9 4.2 6.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022

