

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040647.D
 Acq On : 5 Sep 2023 14:44
 Operator : SY/MD
 Sample : 04281-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/06/2023
 Supervised By : Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 02:05:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	998445	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2632442	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	2297098	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1844082	10.094	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%
Target Compounds						
2) Dichlorodifluoromethane	2.722	85	62334	0.290	ppbv	90
9) Propene	2.697	41	25162	0.495	ppbv #	80
11) Trichlorofluoromethane	3.552	101	205712	1.185	ppbv	96
13) Ethanol	3.240	45	37926m	2.675	ppbv	
15) Acetone	3.462	43	660719	5.410	ppbv	97
17) tert-Butyl alcohol	3.880	59	31424m	0.243	ppbv	
20) Methylene Chloride	3.925	84	1337592	22.413	ppbv	99
26) Hexane	5.205	57	1104823	9.956	ppbv #	40
27) Carbon Disulfide	4.115	76	42489	0.322	ppbv #	81
34) 2-Butanone	4.787	43	33832	0.255	ppbv #	85
36) Benzene	6.359	78	24006m	0.115	ppbv	
52) Tetrachloroethene	10.616	164	3112m	0.047	ppbv	
53) Toluene	9.217	91	35449	0.159	ppbv	92

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

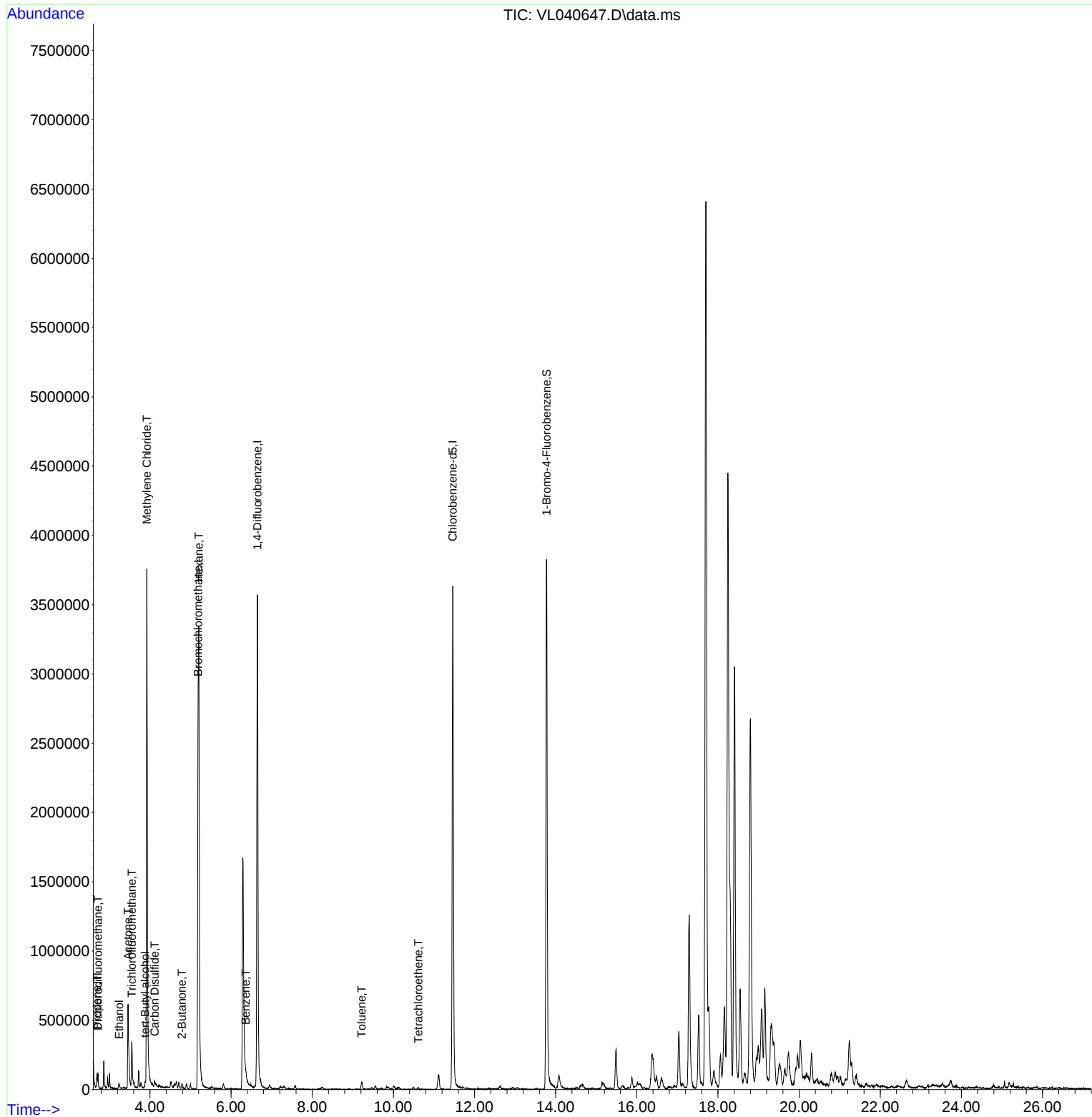
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
Data File : VL040647.D
Acq On : 5 Sep 2023 14:44
Operator : SY/MD
Sample : 04281-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

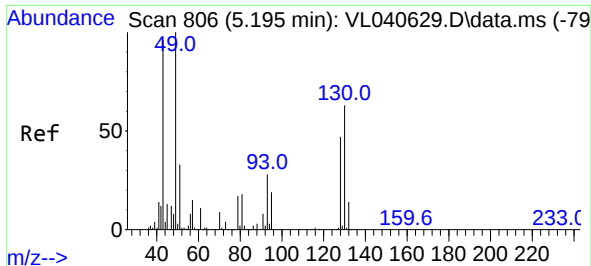
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Sep 06 02:05:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

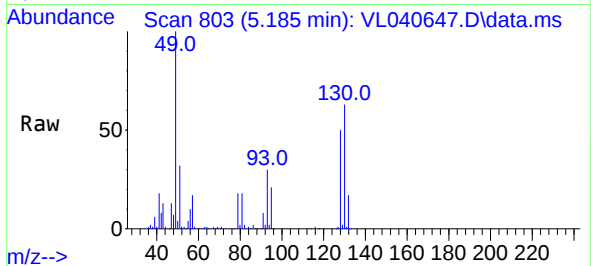
Reviewed By : Semsettin Yesilyurt 09/06/2023
Supervised By : Mahesh Dadoda 09/06/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 806
Delta R.T. -0.010 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44

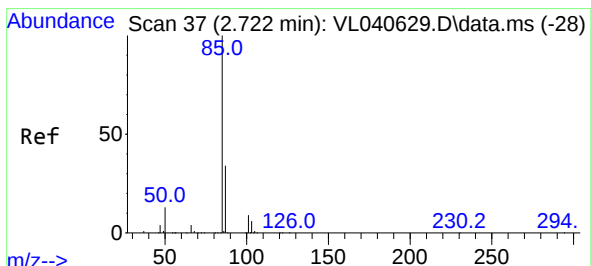
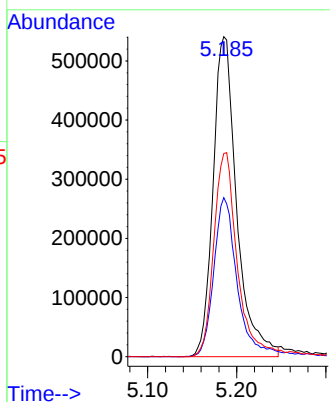
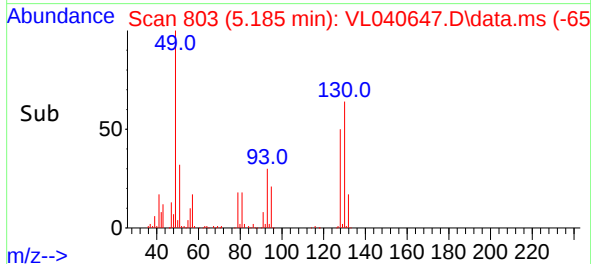
Instrument :
MSVOA_L
ClientSampleId :
SV1



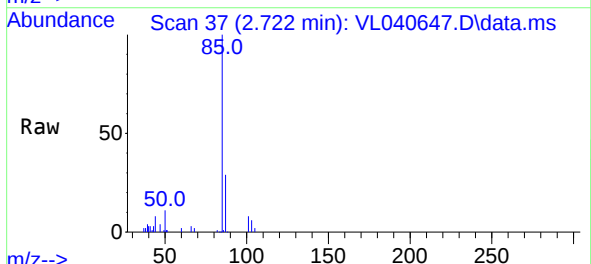
Tgt Ion: 49 Resp: 99844
Ion Ratio Lower Upper
49 100
128 50.3 24.9 74.7
130 65.6 32.2 96.6

Manual Integrations
APPROVED

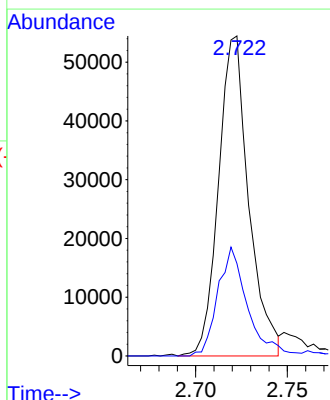
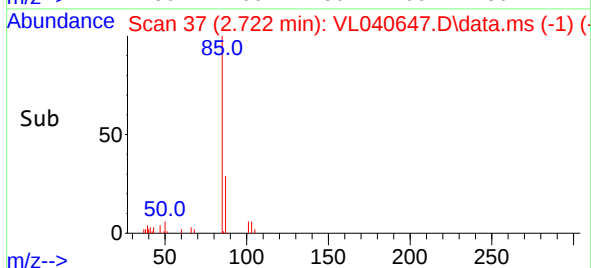
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



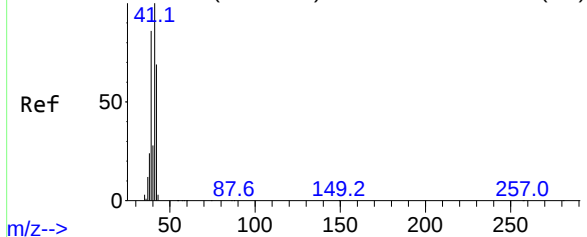
#2
Dichlorodifluoromethane
Concen: 0.290 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.000 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44



Tgt Ion: 85 Resp: 62334
Ion Ratio Lower Upper
85 100
87 28.9 27.5 41.3



Abundance Scan 26 (2.687 min): VL040629.D\data.ms (-17)



#9

Propene

Concen: 0.495 ppbv

RT: 2.697 min Scan# 29

Delta R.T. 0.010 min

Lab File: VL040647.D

Acq: 5 Sep 2023 14:44

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 41 Resp: 25162

Ion Ratio Lower Upper

41 100

42 53.9 56.5 84.7

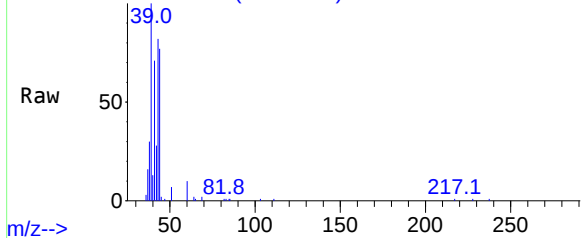
Manual Integrations

APPROVED

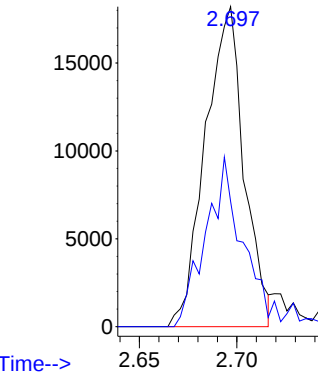
Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023

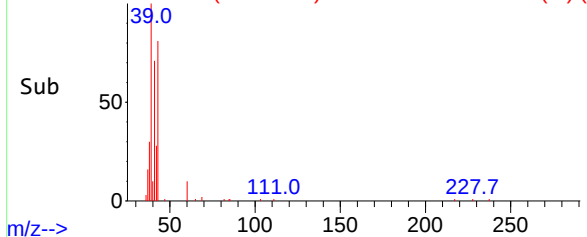
Abundance Scan 29 (2.697 min): VL040647.D\data.ms



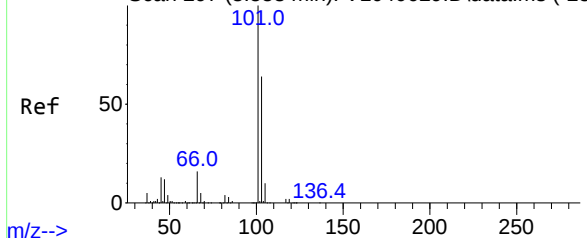
Abundance



Abundance Scan 29 (2.697 min): VL040647.D\data.ms (-1)



Abundance Scan 297 (3.558 min): VL040629.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 1.185 ppbv

RT: 3.552 min Scan# 295

Delta R.T. -0.006 min

Lab File: VL040647.D

Acq: 5 Sep 2023 14:44

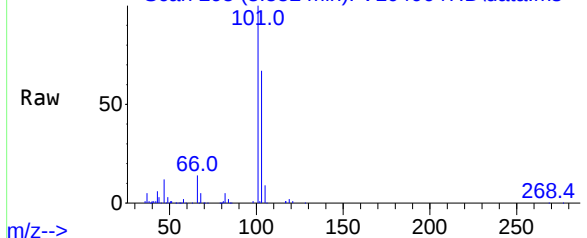
Tgt Ion:101 Resp: 205712

Ion Ratio Lower Upper

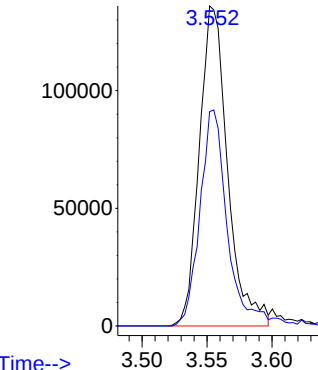
101 100

103 67.0 51.1 76.7

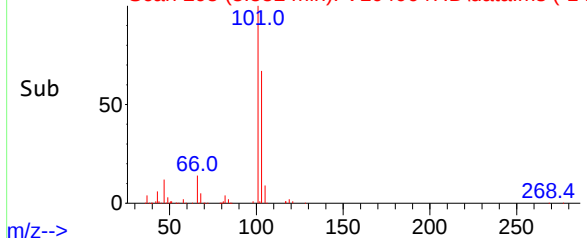
Abundance Scan 295 (3.552 min): VL040647.D\data.ms

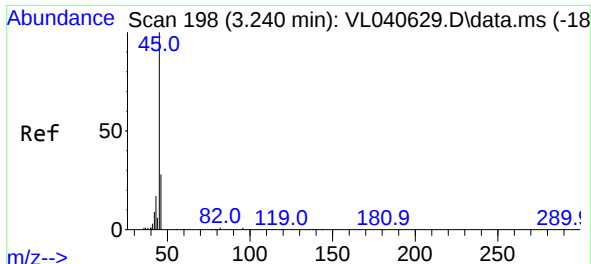


Abundance



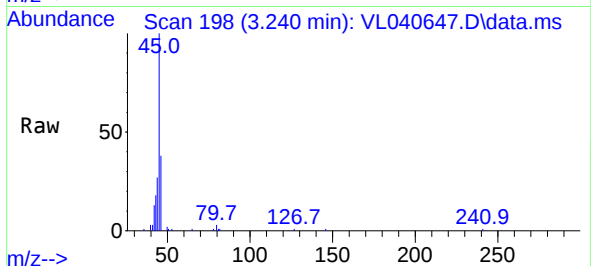
Abundance Scan 295 (3.552 min): VL040647.D\data.ms (-14)





#13
Ethanol
Concen: 2.675 ppbv m
RT: 3.240 min Scan# 198
Delta R.T. 0.000 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44

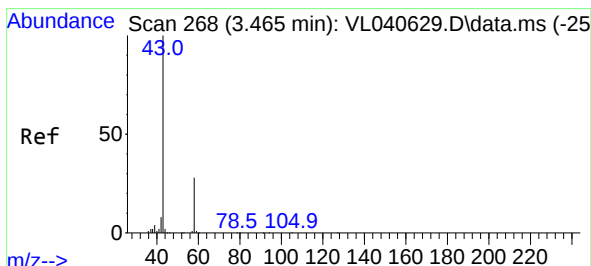
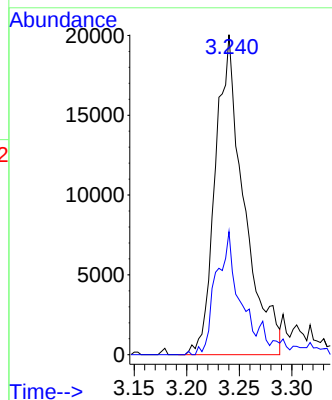
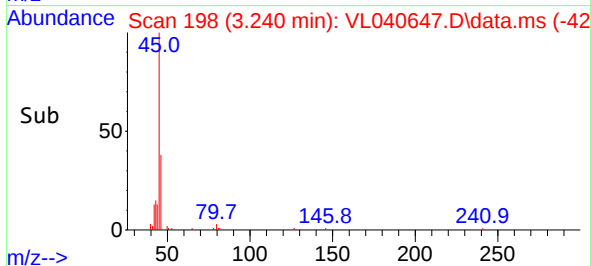
Instrument :
MSVOA_L
ClientSampleId :
SV1



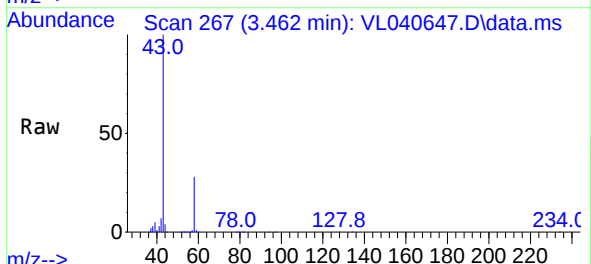
Tgt Ion: 45 Resp: 37920
Ion Ratio Lower Upper
45 100
46 39.0 14.2 56.6

Manual Integrations
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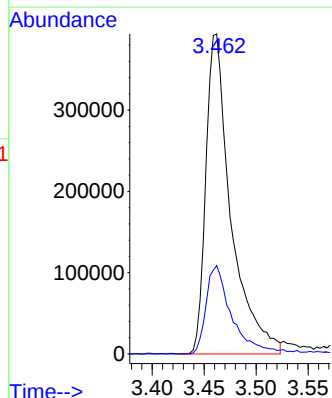
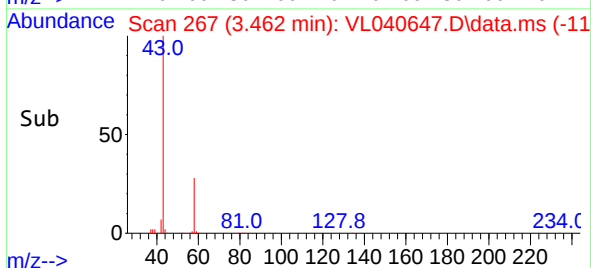
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

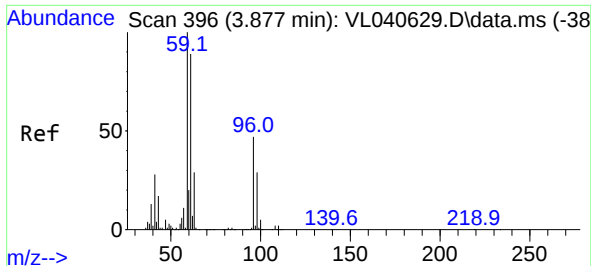


#15
Acetone
Concen: 5.410 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.003 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44



Tgt Ion: 43 Resp: 660719
Ion Ratio Lower Upper
43 100
58 29.6 22.4 33.6





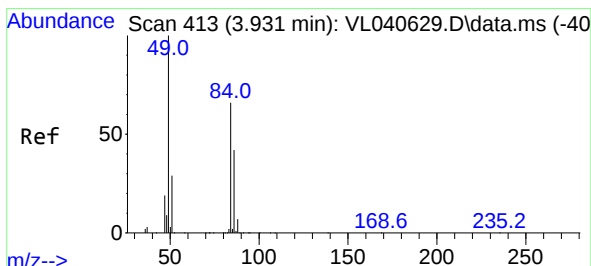
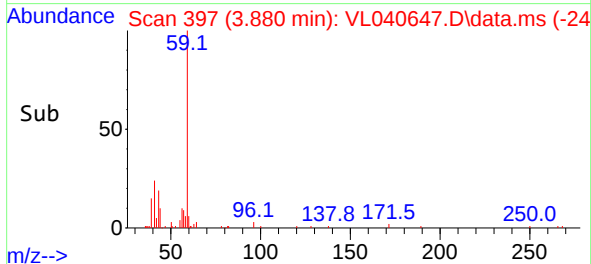
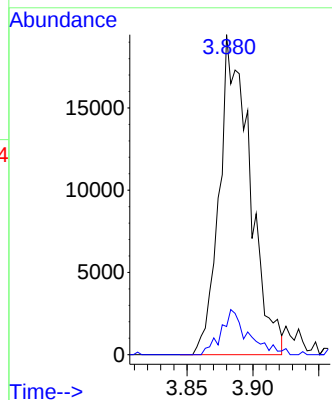
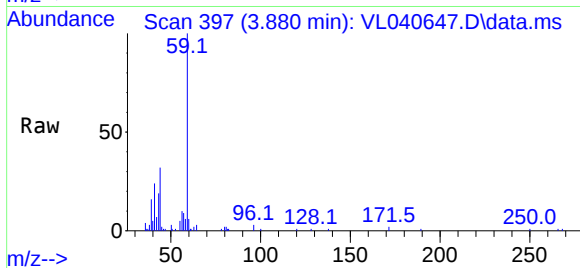
#17
tert-Butyl alcohol
Concen: 0.243 ppbv m
RT: 3.880 min Scan# 396
Delta R.T. 0.003 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 59 Resp: 31424
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6

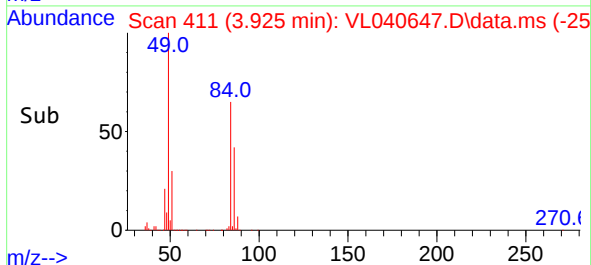
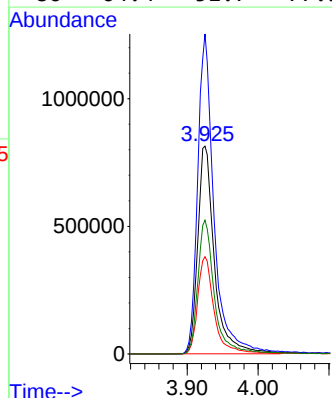
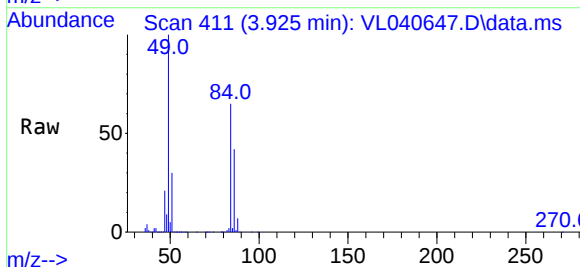
Manual Integrations
APPROVED

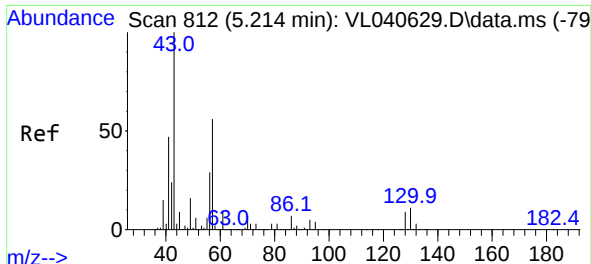
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#20
Methylene Chloride
Concen: 22.413 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.006 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44

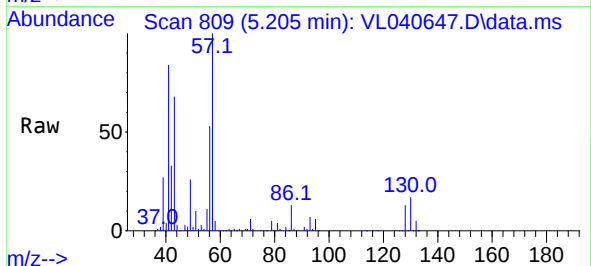
Tgt Ion: 84 Resp: 1337592
Ion Ratio Lower Upper
84 100
49 154.0 122.1 183.1
51 46.8 35.4 53.2
86 64.4 51.7 77.5





#26
Hexane
Concen: 9.956 ppbv
RT: 5.205 min Scan# 812
Delta R.T. -0.010 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44

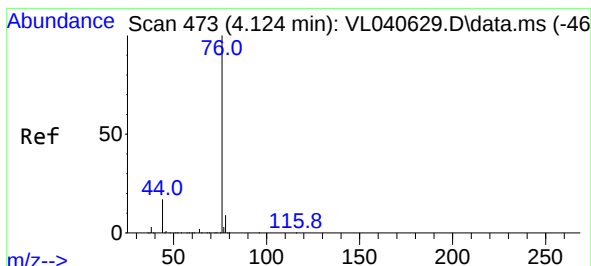
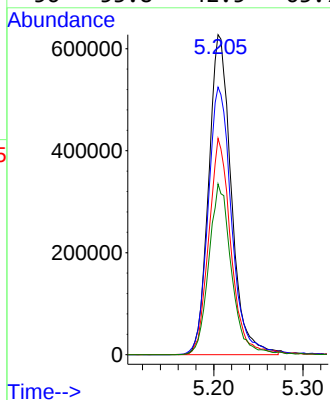
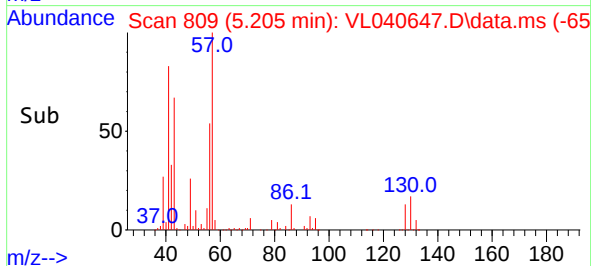
Instrument :
MSVOA_L
Client Sample Id :
SV1



Tgt Ion: 57 Resp: 1104823
Ion Ratio Lower Upper
57 100
41 88.1 69.3 103.9
43 66.5 177.9 266.9
56 53.8 42.5 63.7

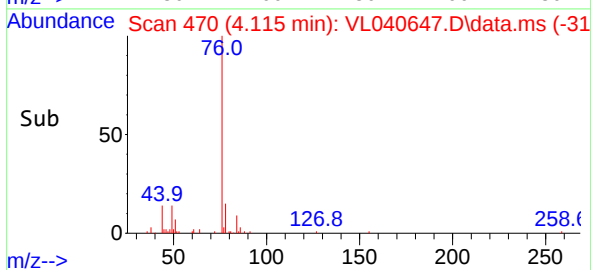
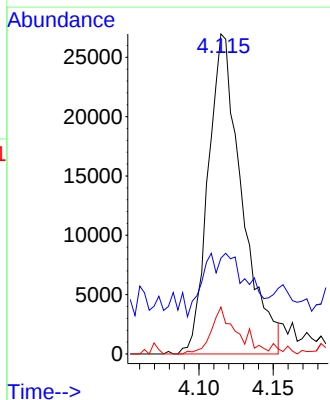
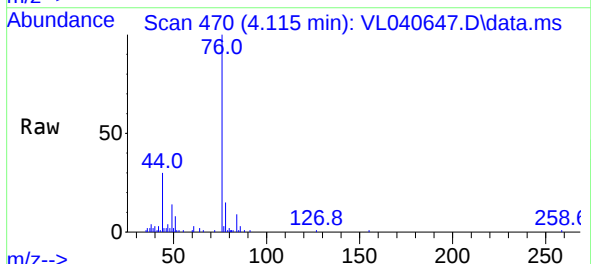
Manual Integrations
APPROVED

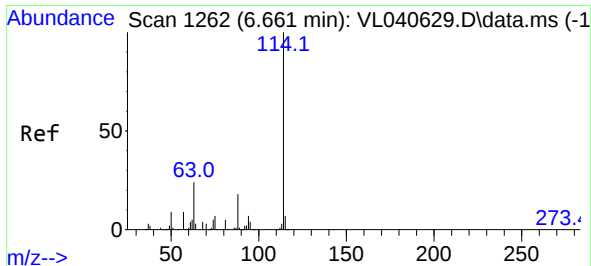
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#27
Carbon Disulfide
Concen: 0.322 ppbv
RT: 4.115 min Scan# 470
Delta R.T. -0.010 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44

Tgt Ion: 76 Resp: 42489
Ion Ratio Lower Upper
76 100
44 28.5 14.3 21.5#
78 12.3 7.4 11.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL040647.D

Acq: 5 Sep 2023 14:44

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 263244

Ion Ratio Lower Upper

114 100

63 25.6 20.2 30.2

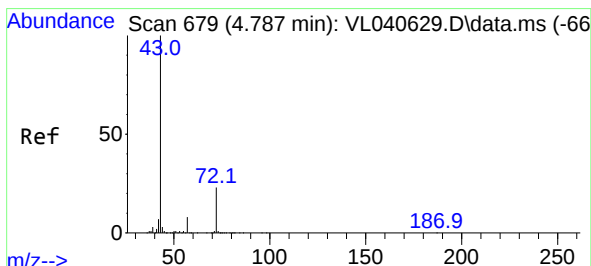
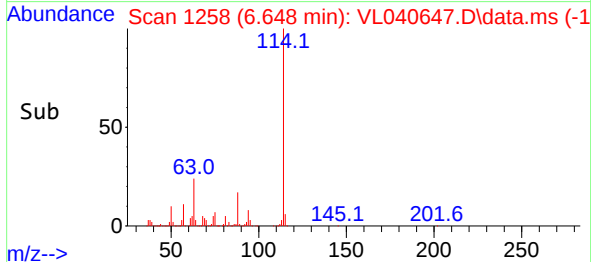
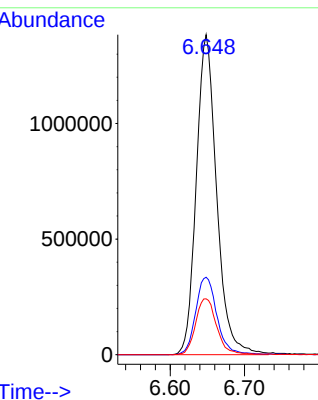
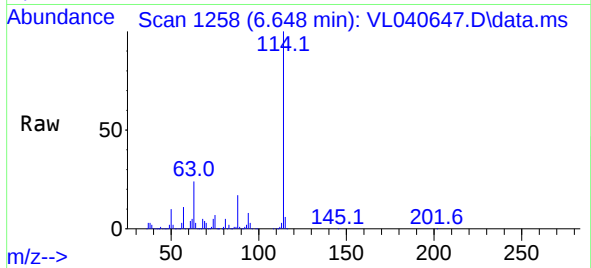
88 18.3 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023



#34

2-Butanone

Concen: 0.255 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.000 min

Lab File: VL040647.D

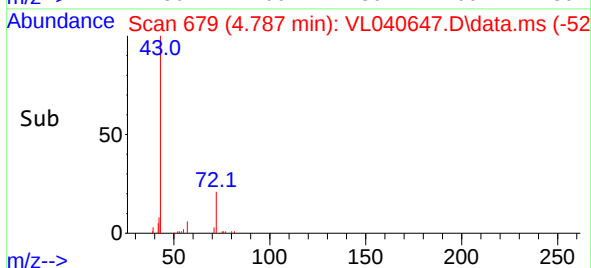
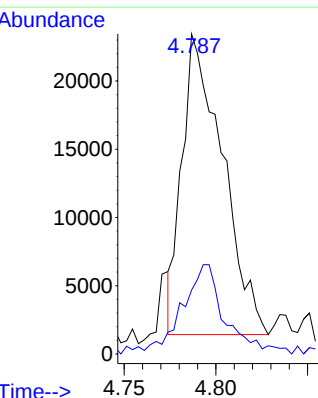
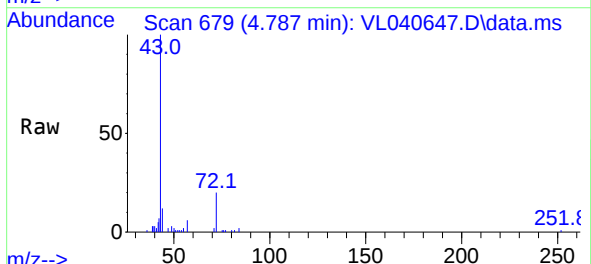
Acq: 5 Sep 2023 14:44

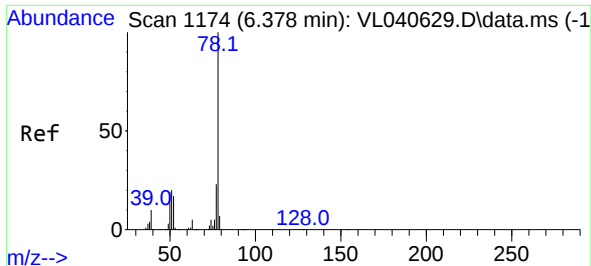
Tgt Ion: 43 Resp: 33832

Ion Ratio Lower Upper

43 100

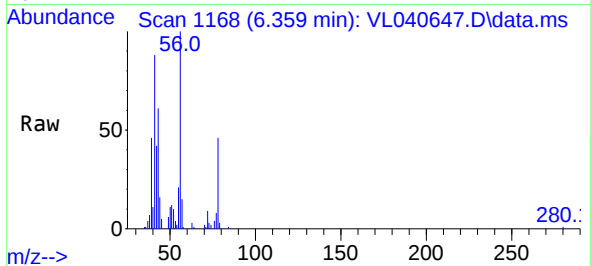
72 31.5 19.2 28.8#





#36
Benzene
Concen: 0.115 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. -0.019 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44

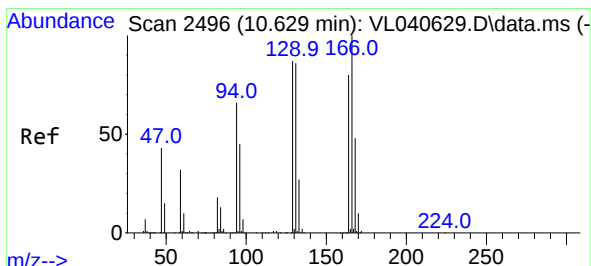
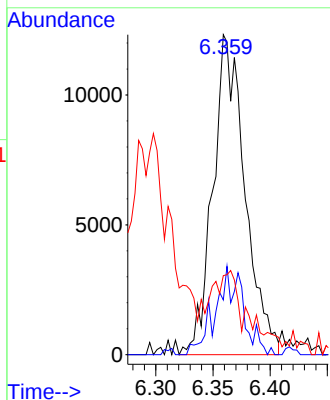
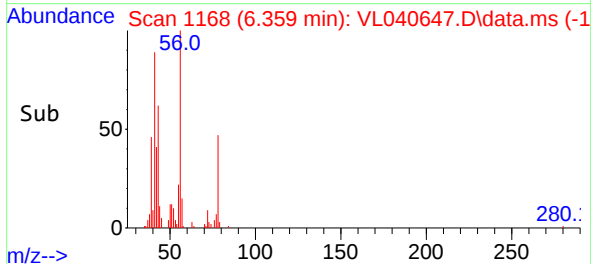
Instrument :
MSVOA_L
ClientSampleId :
SV1



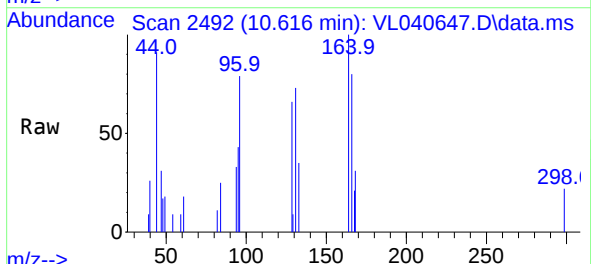
Tgt Ion: 78 Resp: 24000
Ion Ratio Lower Upper
78 100
77 17.1 18.2 27.2
50 24.7 15.0 22.6

Manual Integrations
APPROVED

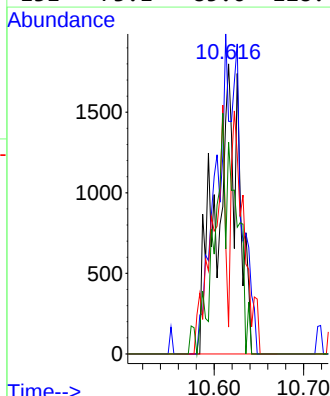
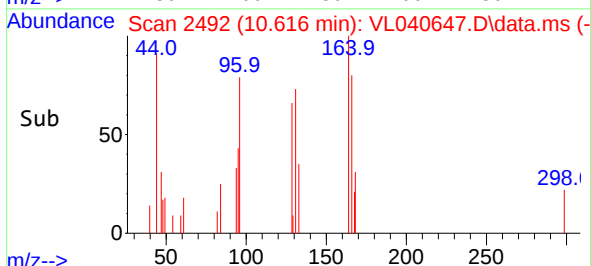
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

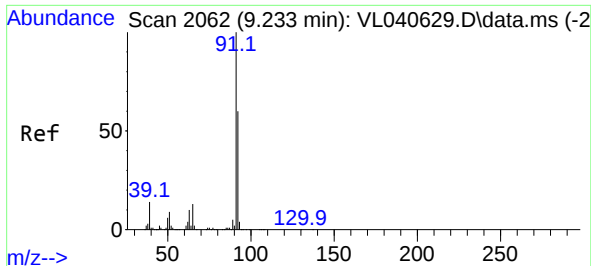


#52
Tetrachloroethene
Concen: 0.047 ppbv m
RT: 10.616 min Scan# 2492
Delta R.T. -0.013 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44



Tgt Ion:164 Resp: 3112
Ion Ratio Lower Upper
164 100
166 80.2 99.5 149.3#
129 9.2 86.9 130.3#
131 73.1 85.6 128.4#





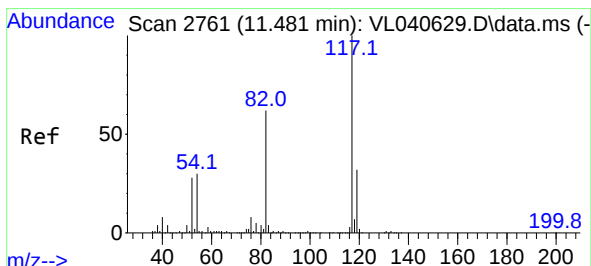
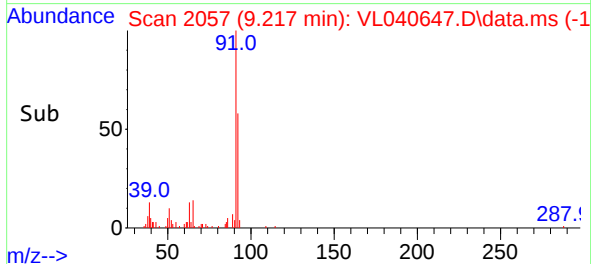
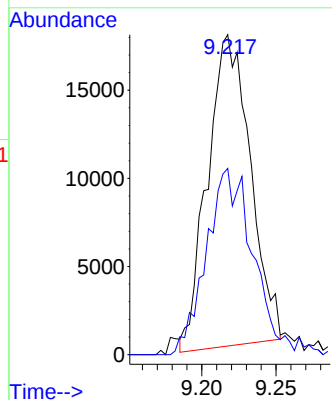
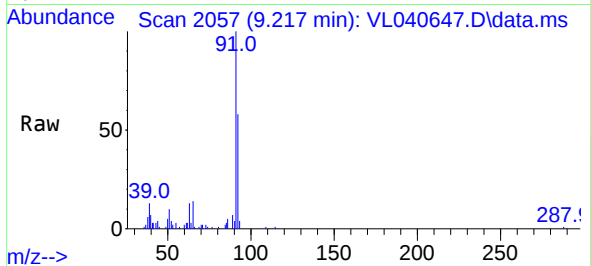
#53
Toluene
Concen: 0.159 ppbv
RT: 9.217 min Scan# 2062
Delta R.T. -0.016 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 35449
Ion Ratio Lower Upper
91 100
92 66.2 48.0 72.0

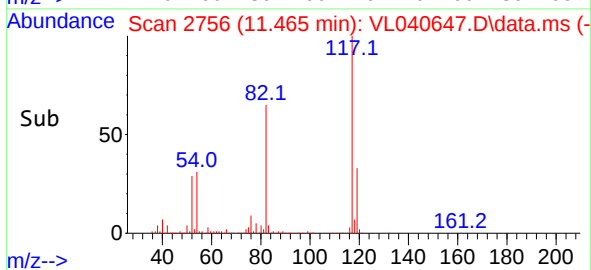
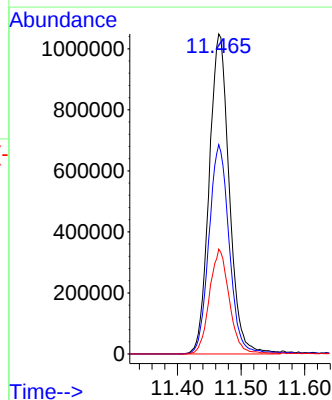
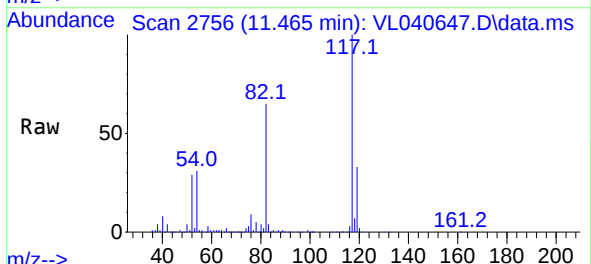
Manual Integrations
APPROVED

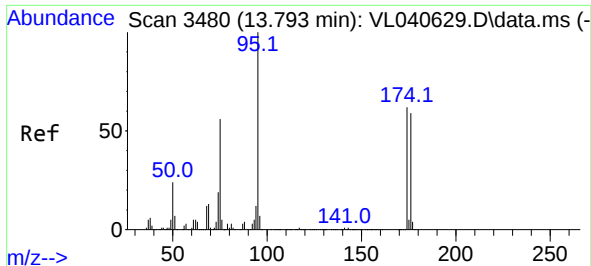
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. -0.016 min
Lab File: VL040647.D
Acq: 5 Sep 2023 14:44

Tgt Ion:117 Resp: 2297098
Ion Ratio Lower Upper
117 100
82 66.5 49.5 74.3
119 32.4 24.5 36.7





#68

1-Bromo-4-Fluorobenzene

Concen: 10.094 ppbv

RT: 13.773 min Scan# 34

Delta R.T. -0.019 min

Lab File: VL040647.D

Acq: 5 Sep 2023 14:44

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 95 Resp: 184408

Ion Ratio Lower Upper

95 100

174 61.7 49.1 73.7

175 4.3 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023

