

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040252.D
 Acq On : 8 Mar 2023 13:40
 Operator : SY/MD
 Sample : 01836-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-IA

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 04:12:06 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Mar 01 04:21:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	859981	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.642	114	2127662	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.459	117	1793979	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1429832	9.693	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	38423	0.240	ppbv	93
3) Chlorodifluoromethane	2.655	51	192996	1.879	ppbv	99
4) Chloromethane	2.793	50	26162	0.405	ppbv #	83
9) Propene	2.687	41	35933m	0.858	ppbv	
11) Trichlorofluoromethane	3.542	101	32873	0.229	ppbv	92
13) Ethanol	3.221	45	235094	60.982	ppbv	94
15) Acetone	3.446	43	8912570	86.082	ppbv	91
20) Methylene Chloride	3.915	84	1571501	29.156	ppbv	94
26) Hexane	5.198	57	1245208	15.070	ppbv #	36
34) 2-Butanone	4.777	43	32156m	0.306	ppbv	
35) Carbon Tetrachloride	6.484	117	8915m	0.071	ppbv	
36) Benzene	6.359	78	18488m	0.112	ppbv	
38) Trichloroethene	7.282	130	3193m	0.035	ppbv	
52) Tetrachloroethene	10.606	164	70497	1.363	ppbv	94
59) m/p-Xylene	12.340	91	87708m	0.454	ppbv	
60) o-Xylene	13.053	91	24749m	0.133	ppbv	

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

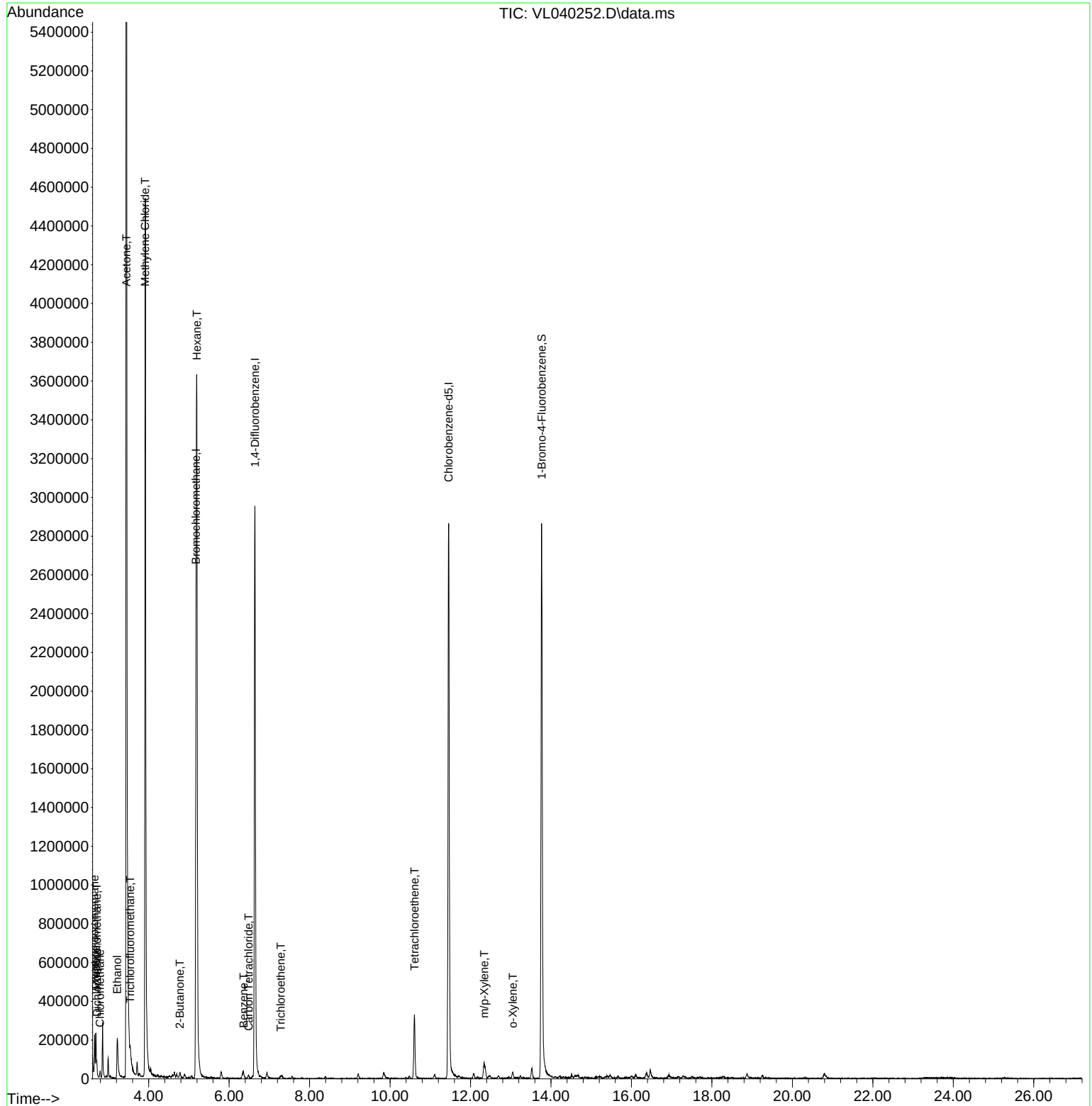
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
Data File : VL040252.D
Acq On : 8 Mar 2023 13:40
Operator : SY/MD
Sample : 01836-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

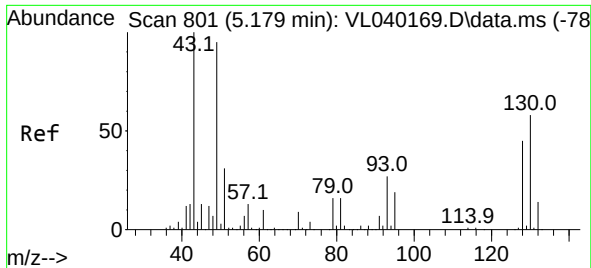
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IA

Quant Time: Mar 09 04:12:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 01 04:21:39 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

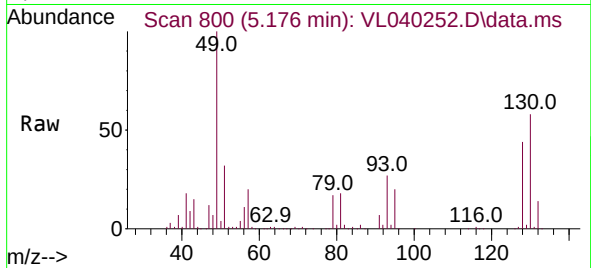
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 801
Delta R.T. -0.025 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

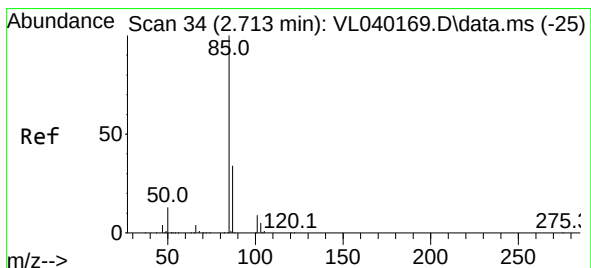
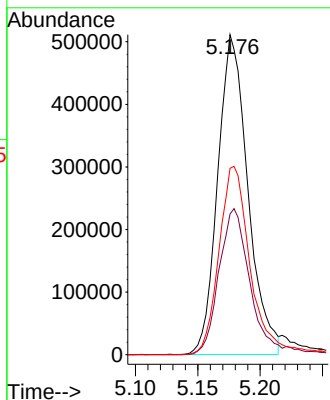
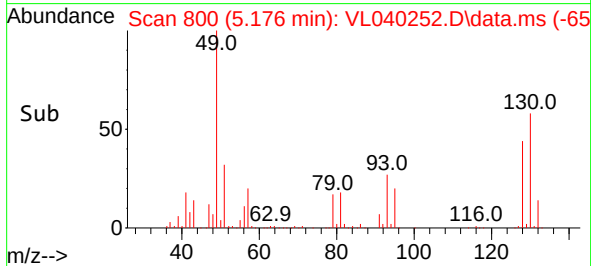
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IA



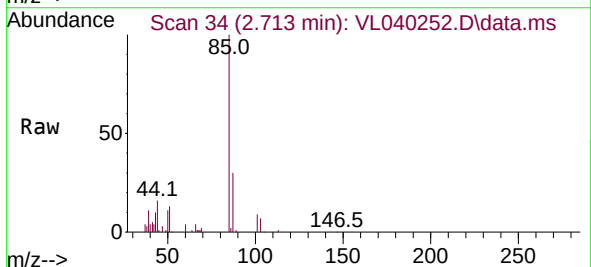
Tgt Ion: 49 Resp: 85998
Ion Ratio Lower Upper
49 100
128 48.8 24.1 72.3
130 63.0 30.9 92.8

Manual Integrations
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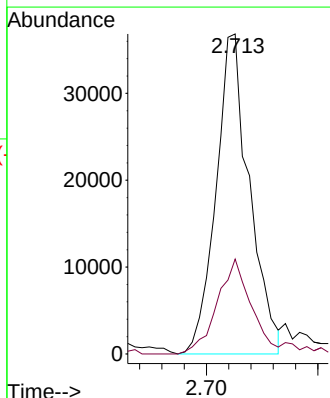
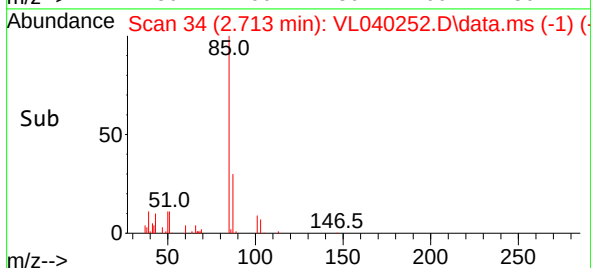
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

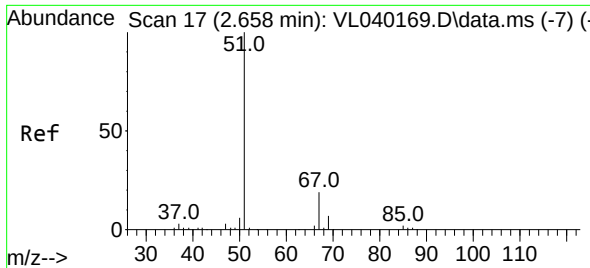


#2
Dichlorodifluoromethane
Concen: 0.240 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.013 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40



Tgt Ion: 85 Resp: 38423
Ion Ratio Lower Upper
85 100
87 29.6 27.0 40.6





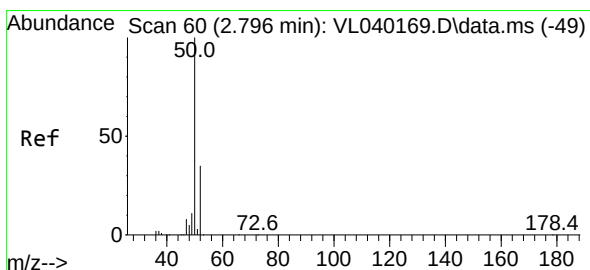
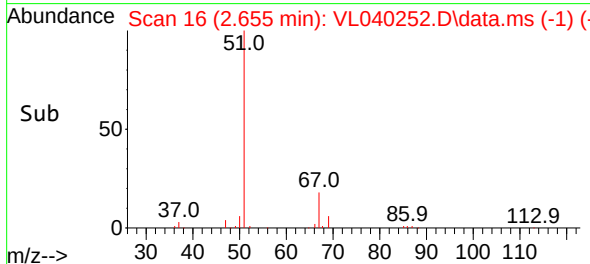
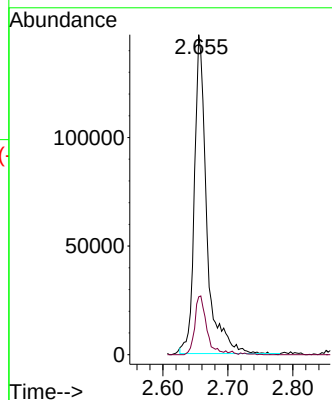
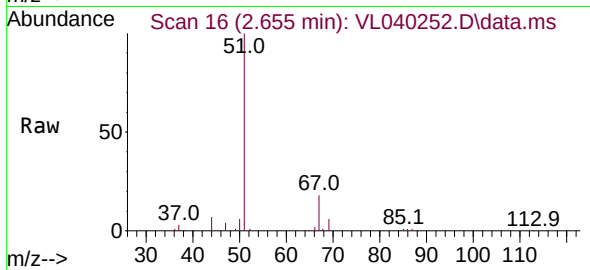
#3
Chlorodifluoromethane
Concen: 1.879 ppbv
RT: 2.655 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

Instrument :
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ClientSampleId :
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Tgt Ion: 51 Resp: 192990
Ion Ratio Lower Upper
51 100
67 18.7 15.4 23.2

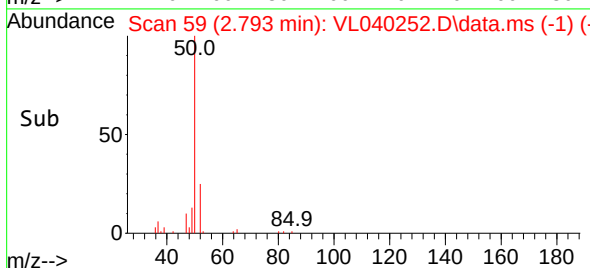
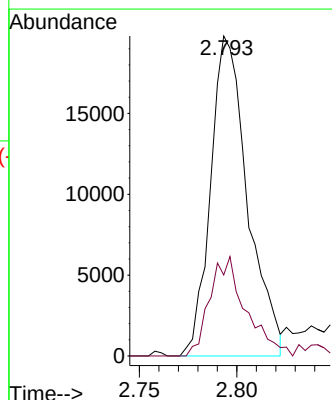
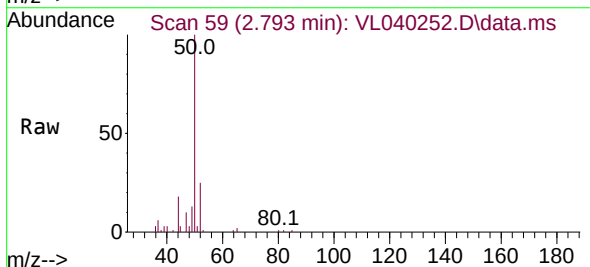
Manual Integrations
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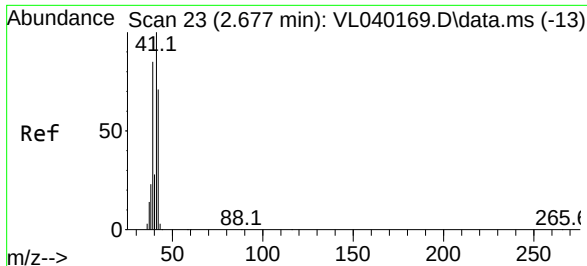
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#4
Chloromethane
Concen: 0.405 ppbv
RT: 2.793 min Scan# 59
Delta R.T. -0.019 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

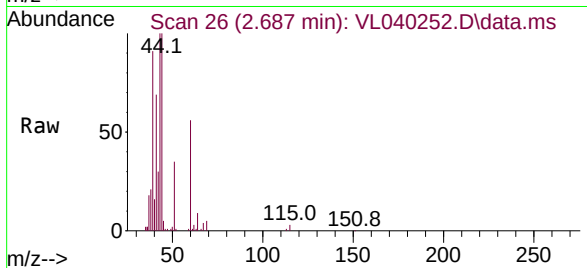
Tgt Ion: 50 Resp: 26162
Ion Ratio Lower Upper
50 100
52 25.3 28.3 42.5#





#9
 Propene
 Concen: 0.858 ppbv m
 RT: 2.687 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VL040252.D
 Acq: 8 Mar 2023 13:40

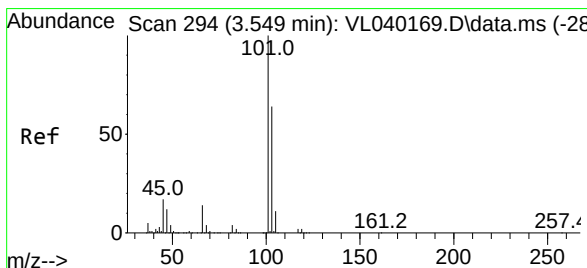
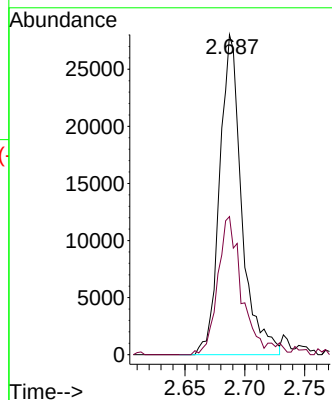
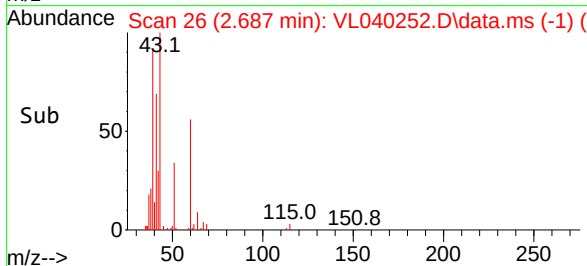
Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-IA



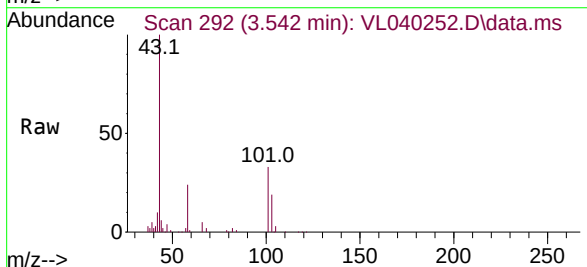
Tgt Ion: 41 Resp: 3593
 Ion Ratio Lower Upper
 41 100
 42 137.7 56.9 85.3

Manual Integrations
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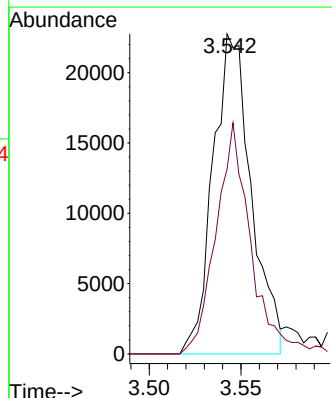
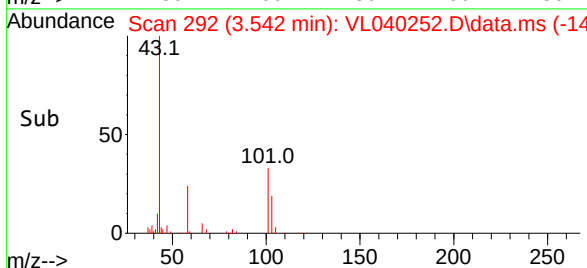
Reviewed By :Semsettin Yesilyurt 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

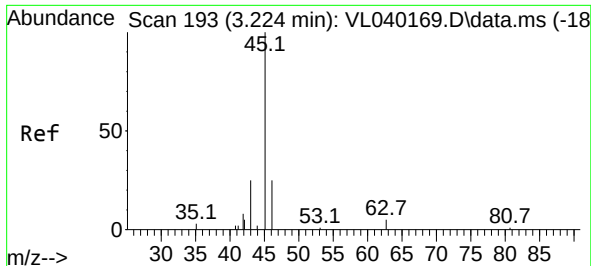


#11
 Trichlorofluoromethane
 Concen: 0.229 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. -0.022 min
 Lab File: VL040252.D
 Acq: 8 Mar 2023 13:40



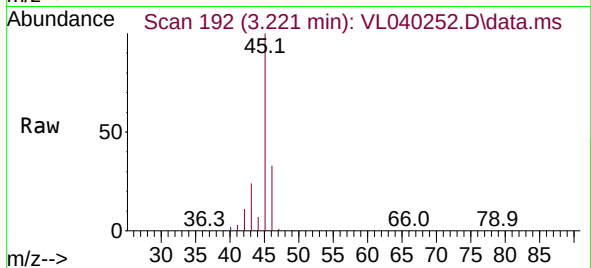
Tgt Ion:101 Resp: 32873
 Ion Ratio Lower Upper
 101 100
 103 57.8 51.0 76.6





#13
Ethanol
Concen: 60.982 ppbv
RT: 3.221 min Scan# 193
Delta R.T. -0.026 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

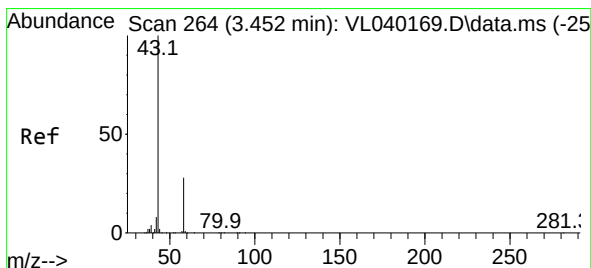
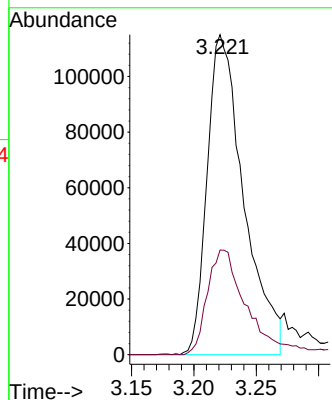
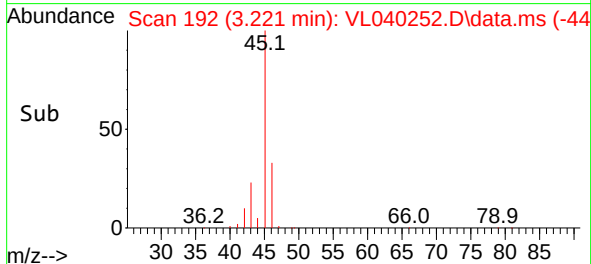
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IA



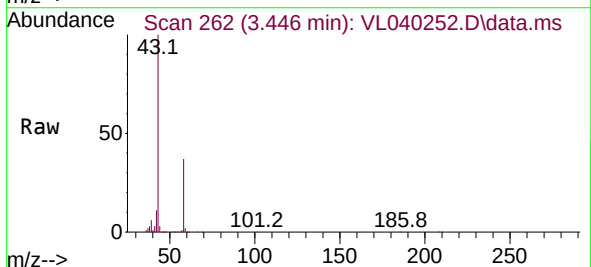
Tgt Ion: 45 Resp: 235094
Ion Ratio Lower Upper
45 100
46 36.5 13.3 53.1

Manual Integrations
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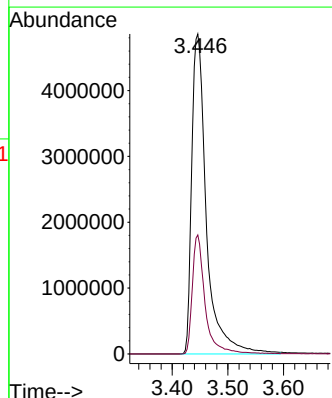
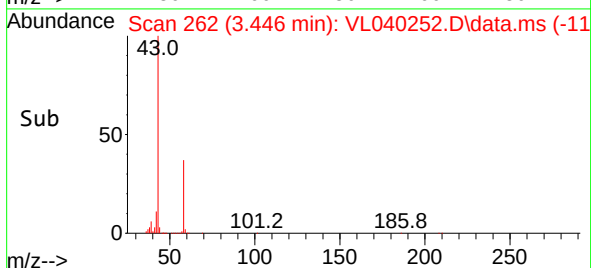
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

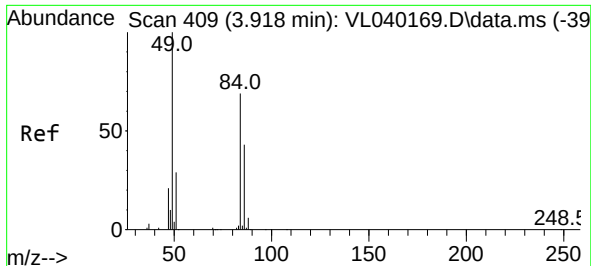


#15
Acetone
Concen: 86.082 ppbv
RT: 3.446 min Scan# 262
Delta R.T. -0.022 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40



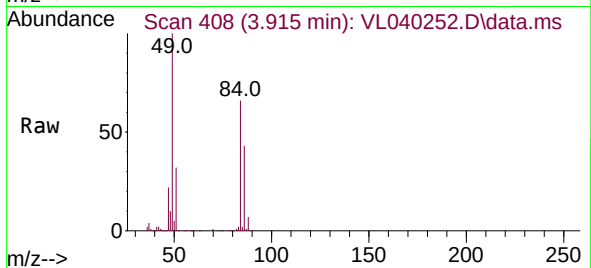
Tgt Ion: 43 Resp: 8912570
Ion Ratio Lower Upper
43 100
58 32.7 22.4 33.6





#20
Methylene Chloride
Concen: 29.156 ppbv
RT: 3.915 min Scan# 409
Delta R.T. -0.019 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

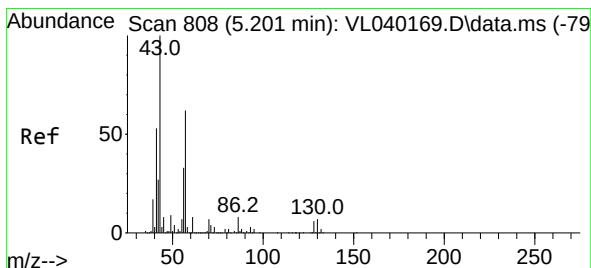
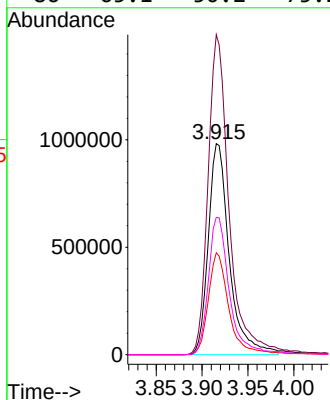
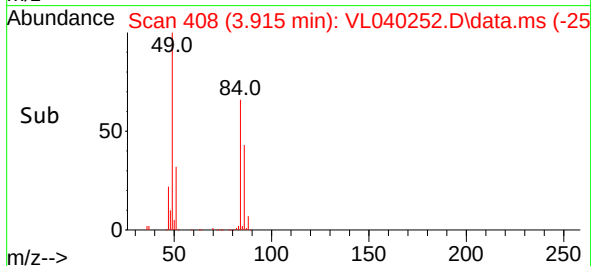
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IA



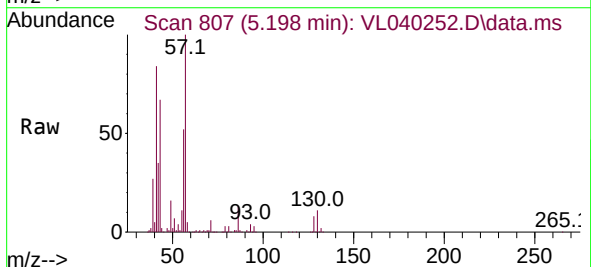
Tgt Ion: 84 Resp: 157150
Ion Ratio Lower Upper
84 100
49 151.6 115.5 173.3
51 48.3 33.1 49.7
86 65.1 50.2 75.2

Manual Integrations
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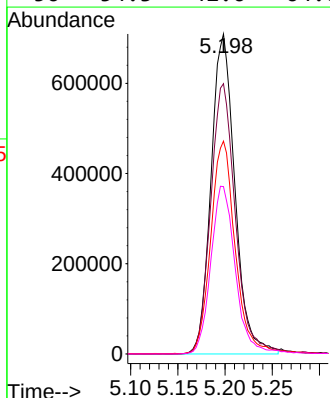
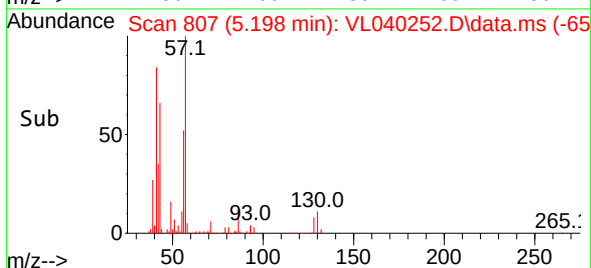
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

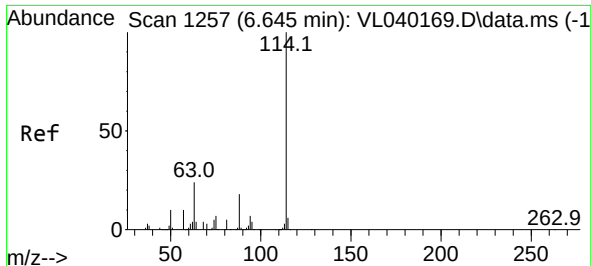


#26
Hexane
Concen: 15.070 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.026 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40



Tgt Ion: 57 Resp: 1245208
Ion Ratio Lower Upper
57 100
41 88.6 74.3 111.5
43 68.7 193.0 289.4#
56 54.3 42.6 64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1

Delta R.T. -0.022 min

Lab File: VL040252.D

Acq: 8 Mar 2023 13:40

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-IA

Tgt Ion:114 Resp: 212766

Ion Ratio Lower Upper

114 100

63 26.2 20.4 30.6

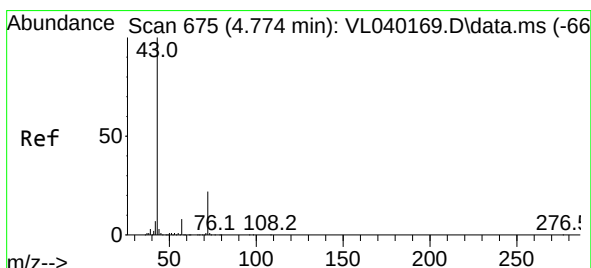
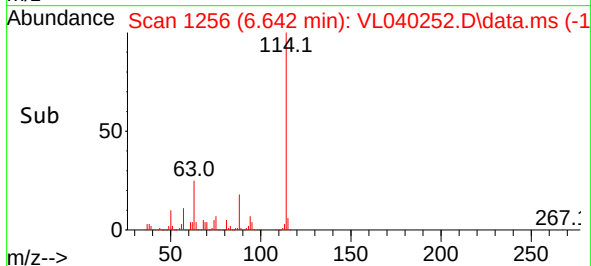
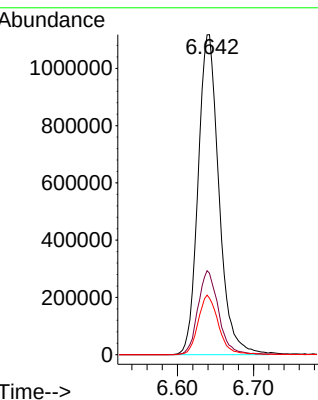
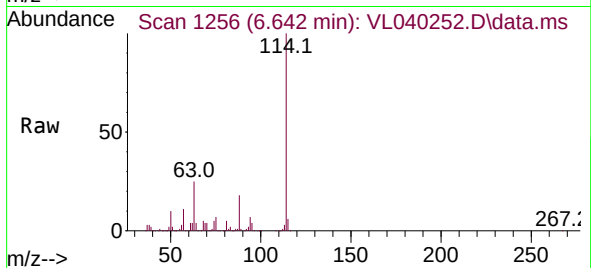
88 18.2 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#34

2-Butanone

Concen: 0.306 ppbv m

RT: 4.777 min Scan# 676

Delta R.T. -0.016 min

Lab File: VL040252.D

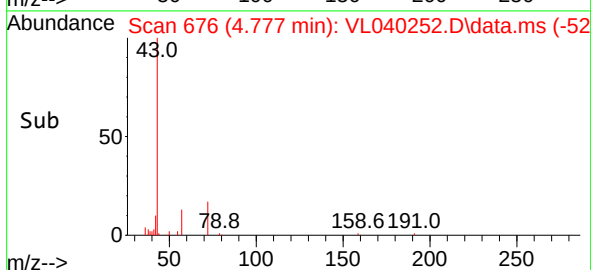
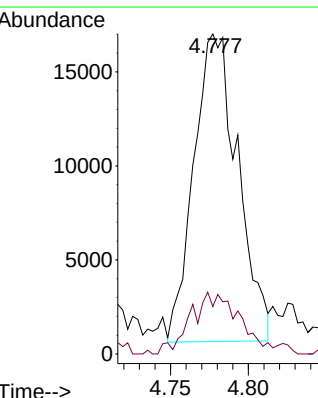
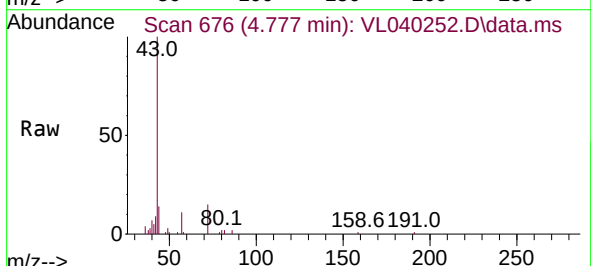
Acq: 8 Mar 2023 13:40

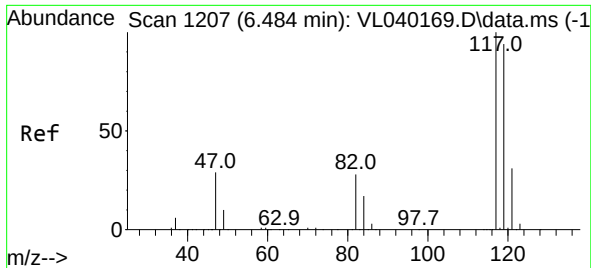
Tgt Ion: 43 Resp: 32156

Ion Ratio Lower Upper

43 100

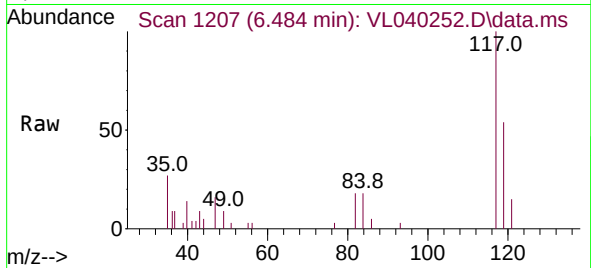
72 23.2 17.8 26.8





#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 6.484 min Scan# 1168
Delta R.T. -0.022 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

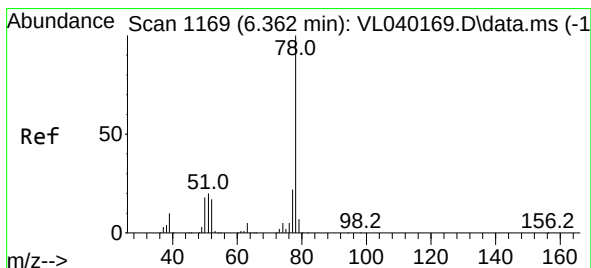
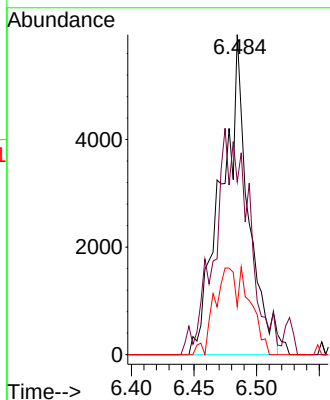
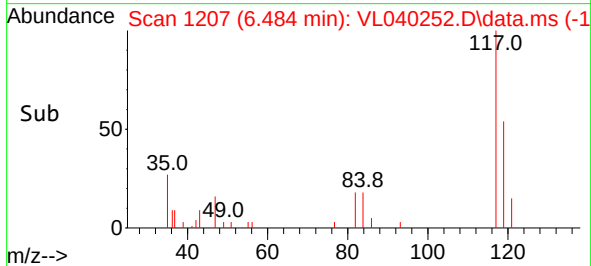
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IA



Tgt Ion:117 Resp: 8915
Ion Ratio Lower Upper
117 100
119 54.0 75.0 112.6
121 15.0 25.0 37.4

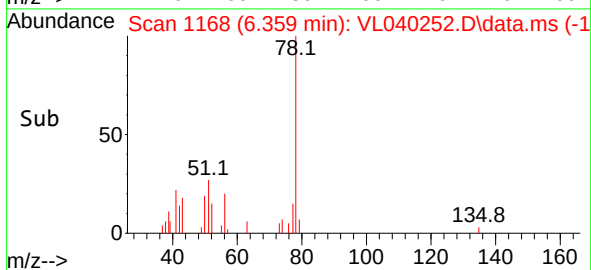
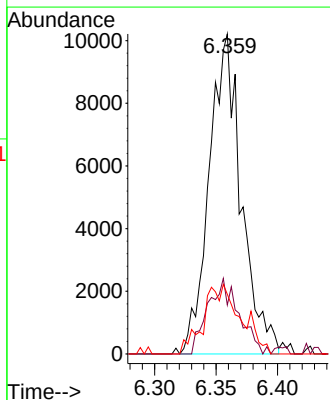
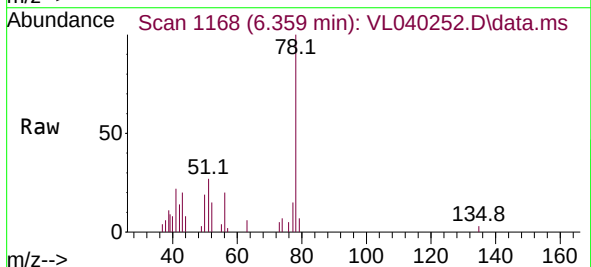
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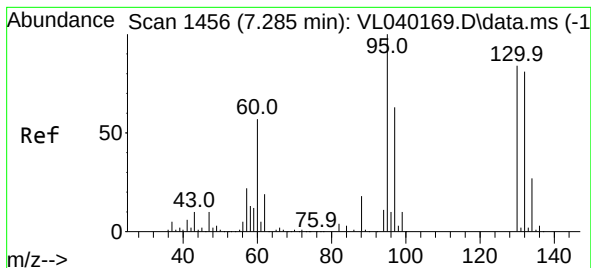
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#36
Benzene
Concen: 0.112 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. -0.026 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

Tgt Ion: 78 Resp: 18488
Ion Ratio Lower Upper
78 100
77 15.3 17.5 26.3#
50 18.7 14.6 22.0





#38

Trichloroethene

Concen: 0.035 ppbv m

RT: 7.282 min Scan# 1456

Delta R.T. -0.026 min

Lab File: VL040252.D

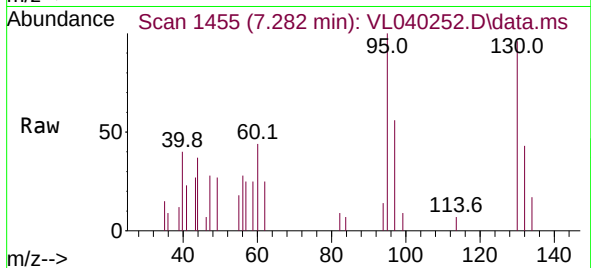
Acq: 8 Mar 2023 13:40

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-IA



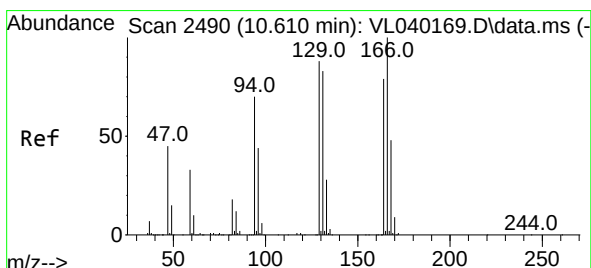
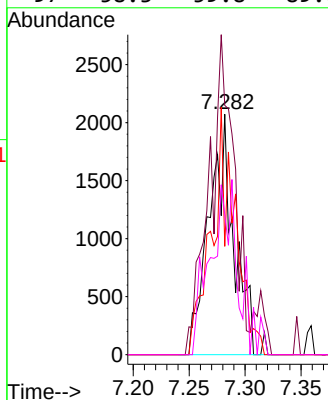
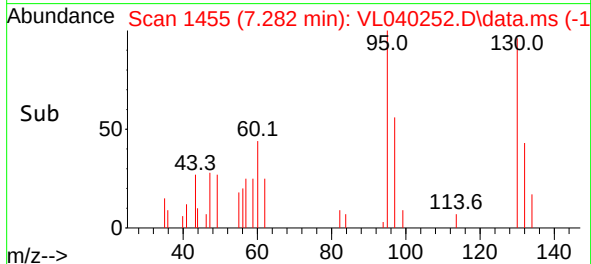
Tgt Ion:130 Resp: 319

Ion	Ratio	Lower	Upper
130	100		
95	103.7	94.7	142.1
132	45.0	76.4	114.6
97	58.3	59.8	89.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#52

Tetrachloroethene

Concen: 1.363 ppbv

RT: 10.606 min Scan# 2489

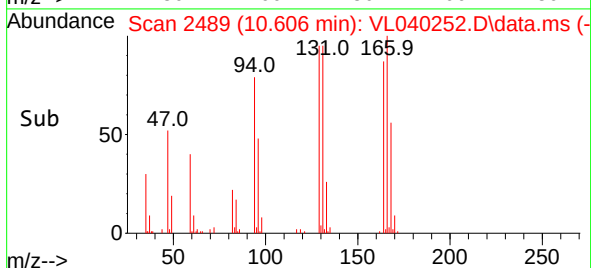
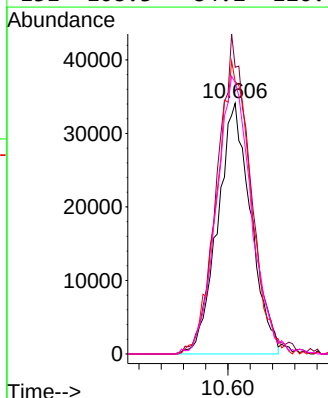
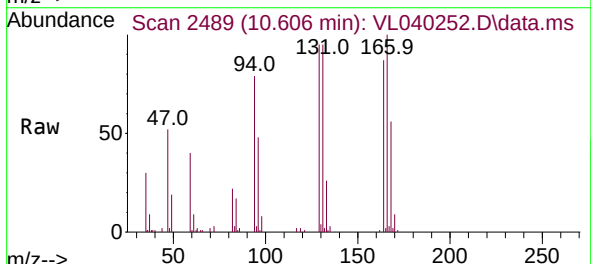
Delta R.T. -0.029 min

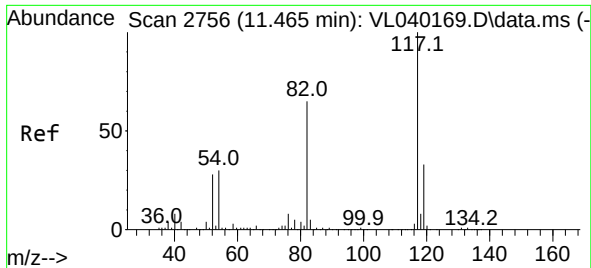
Lab File: VL040252.D

Acq: 8 Mar 2023 13:40

Tgt Ion:164 Resp: 70497

Ion	Ratio	Lower	Upper
164	100		
166	113.8	101.5	152.3
129	108.7	89.0	133.4
131	108.3	84.2	126.4





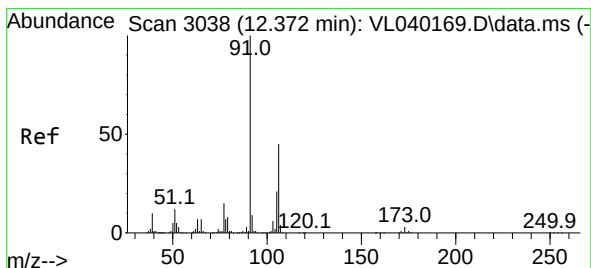
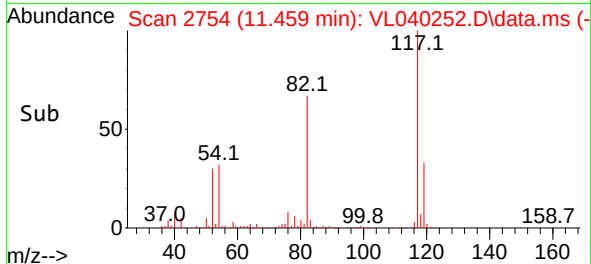
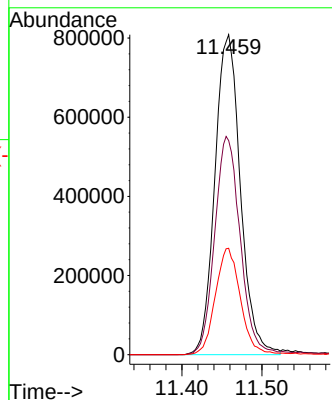
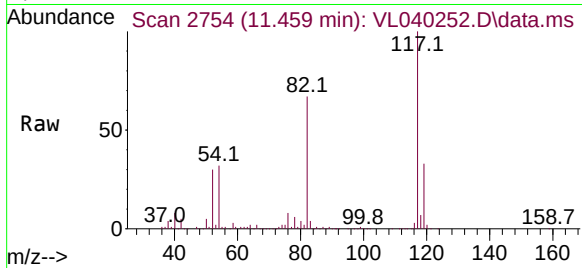
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IA

Tgt Ion:117 Resp: 1793979
Ion Ratio Lower Upper
117 100
82 69.6 53.3 79.9
119 33.0 24.6 37.0

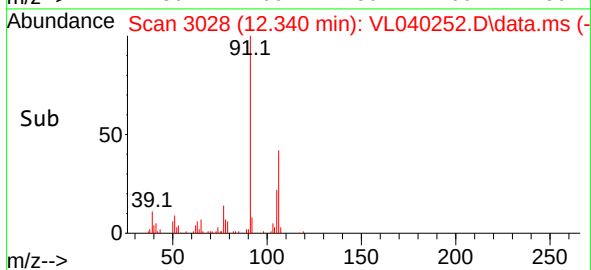
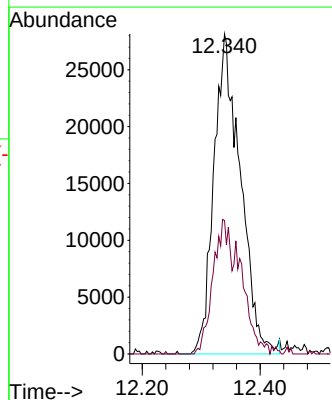
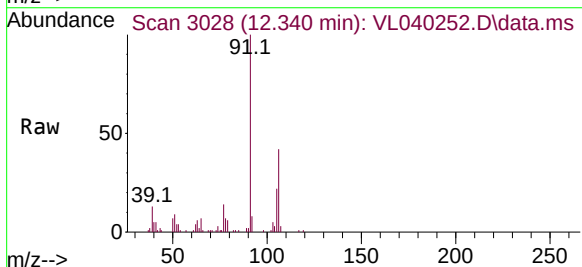
Manual Integrations
APPROVED

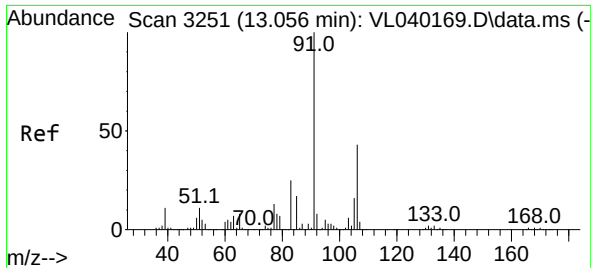
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#59
m/p-Xylene
Concen: 0.454 ppbv m
RT: 12.340 min Scan# 3028
Delta R.T. -0.058 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

Tgt Ion: 91 Resp: 87708
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#





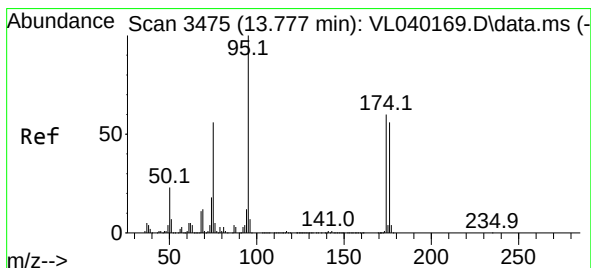
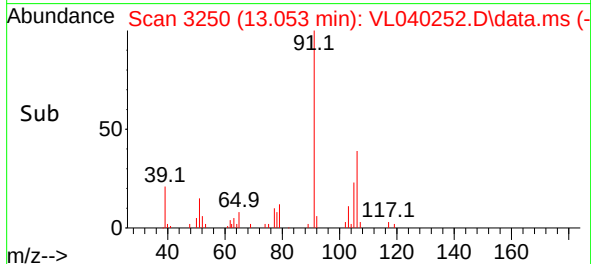
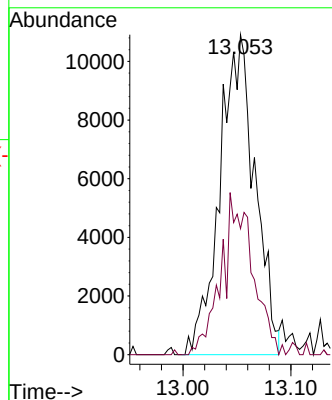
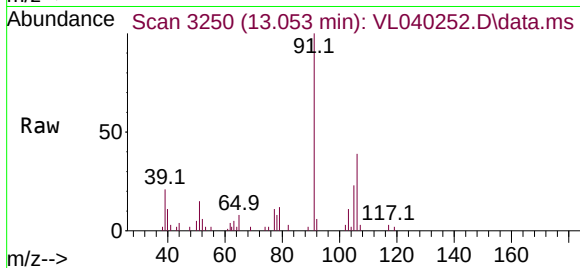
#60
o-Xylene
Concen: 0.133 ppbv m
RT: 13.053 min Scan# 3251
Delta R.T. -0.029 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IA

Tgt Ion: 91 Resp: 24749
Ion Ratio Lower Upper
91 100
106 0.0 21.6 65.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.693 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.029 min
Lab File: VL040252.D
Acq: 8 Mar 2023 13:40

Tgt Ion: 95 Resp: 1429832
Ion Ratio Lower Upper
95 100
174 58.8 48.2 72.2
175 4.3 3.4 5.2

