

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
 Data File : VL040534.D
 Acq On : 14 Jul 2023 19:43
 Operator : SY/MD
 Sample : 03636-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023

Quant Time: Jul 16 23:33:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 11 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1025595	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.651	114	2687537	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.471	117	2473860	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2007865	10.255	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.725	85	23891m	0.116	ppbv	
9) Propene	2.700	41	78226m	1.406	ppbv	
10) Heptane	7.581	43	22649m	0.184	ppbv	
13) Ethanol	3.246	45	15393m	1.271	ppbv	
15) Acetone	3.465	43	1226478	10.389	ppbv	100
17) tert-Butyl alcohol	3.889	59	22724	0.186	ppbv #	81
19) Isopropyl Alcohol	3.578	45	17229m	0.254	ppbv	
20) Methylene Chloride	3.931	84	668592	13.314	ppbv	98
26) Hexane	5.211	57	628864	6.023	ppbv #	41
34) 2-Butanone	4.790	43	290937	2.191	ppbv	99
38) Trichloroethene	7.294	130	17302m	0.212	ppbv	
51) 2-Hexanone	9.568	43	65006	0.476	ppbv #	92
52) Tetrachloroethene	10.626	164	6569358	93.809	ppbv	93
53) Toluene	9.220	91	87253	0.371	ppbv	99
58) Ethyl Benzene	12.092	91	89814m	0.289	ppbv	
59) m/p-Xylene	12.342	91	255299m	0.921	ppbv	
60) o-Xylene	13.060	91	317267	1.202	ppbv	99
62) Isopropylbenzene	14.031	105	110197m	0.279	ppbv	
64) n-propylbenzene	14.921	120	48011m	0.469	ppbv	
72) 4-Ethyltoluene	15.194	105	218162m	0.705	ppbv	
73) 1,3,5-Trimethylbenzene	15.358	105	185194m	0.679	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	463407	1.457	ppbv #	62

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

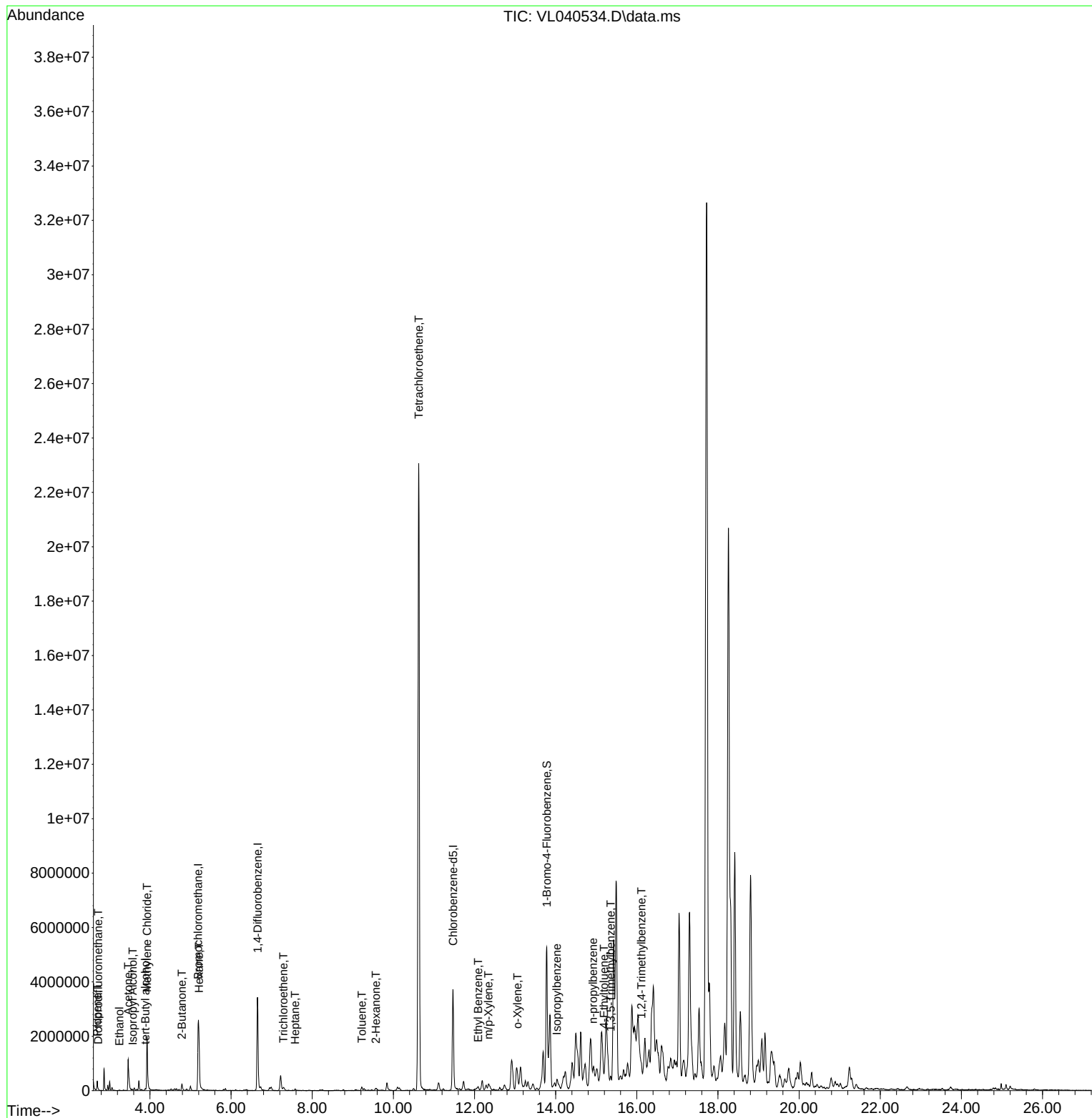
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
Data File : VL040534.D
Acq On : 14 Jul 2023 19:43
Operator : SY/MD
Sample : 03636-01 4X
Misc : 400mL/MSVOA_L
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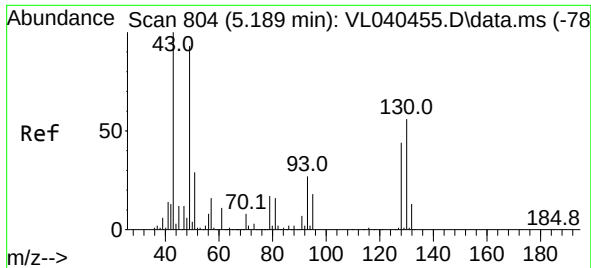
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jul 16 23:33:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

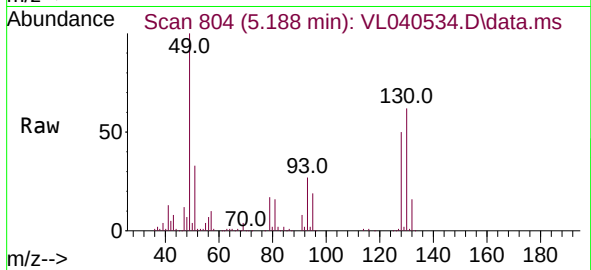
Reviewed By : Semsettin Yesilyurt 07/17/2023
Supervised By : Mahesh Dadoda 07/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 804
Delta R.T. -0.014 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

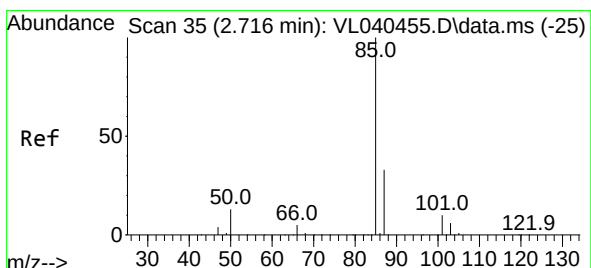
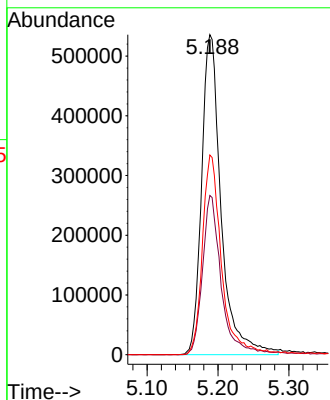
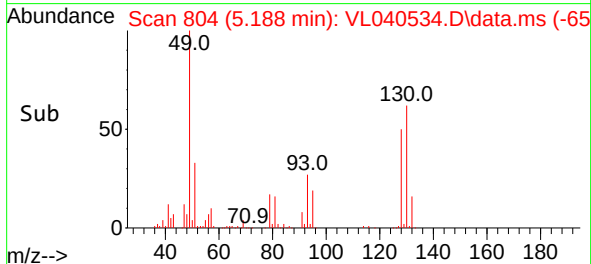
Instrument :
MSVOA_L
ClientSampleId :
SV1



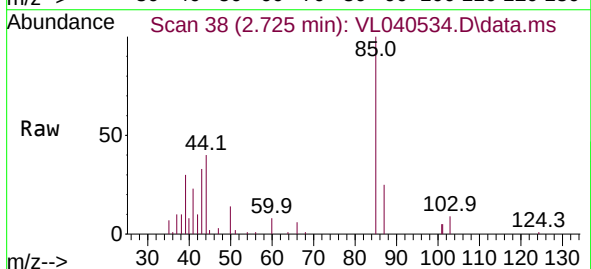
Tgt Ion: 49 Resp: 102559
Ion Ratio Lower Upper
49 100
128 48.4 25.1 75.4
130 61.5 31.6 94.7

Manual Integrations
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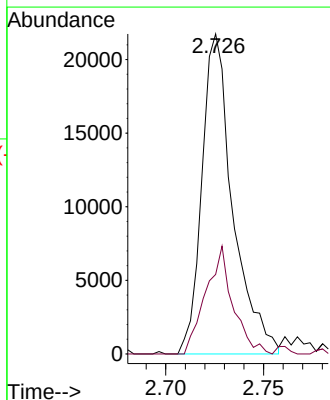
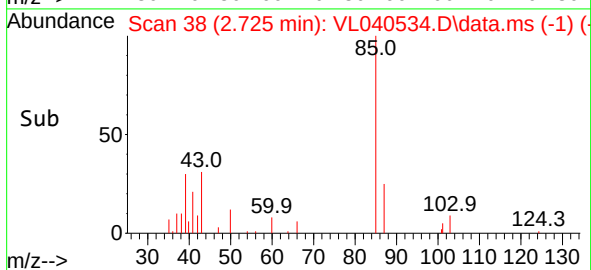
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

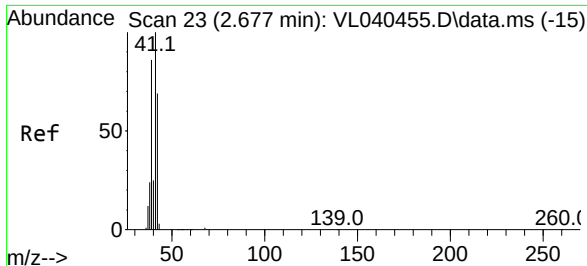


#2
Dichlorodifluoromethane
Concen: 0.116 ppbv m
RT: 2.725 min Scan# 38
Delta R.T. -0.013 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43



Tgt Ion: 85 Resp: 23891
Ion Ratio Lower Upper
85 100
87 24.9 26.8 40.2#





#9

Propene

Concen: 1.406 ppbv m

RT: 2.700 min Scan# 30

Delta R.T. -0.003 min

Lab File: VL040534.D

Acq: 14 Jul 2023 19:43

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 41 Resp: 78220

Ion Ratio Lower Upper

41 100

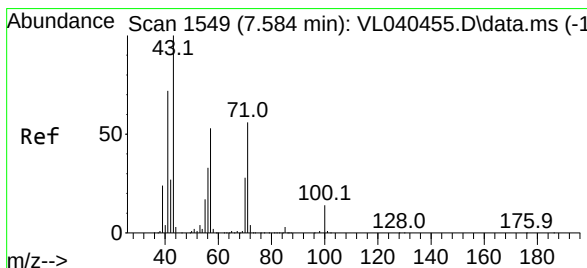
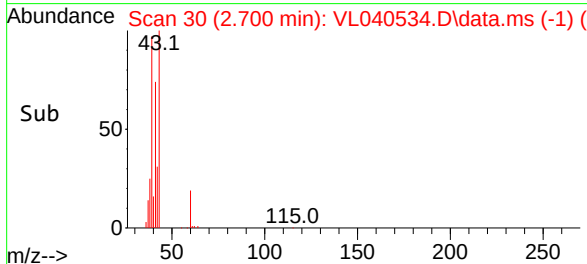
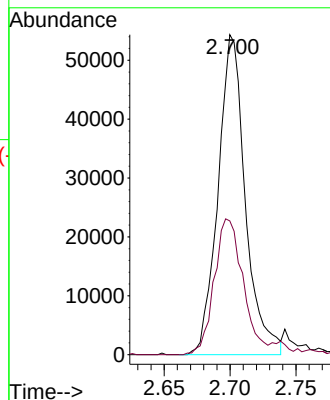
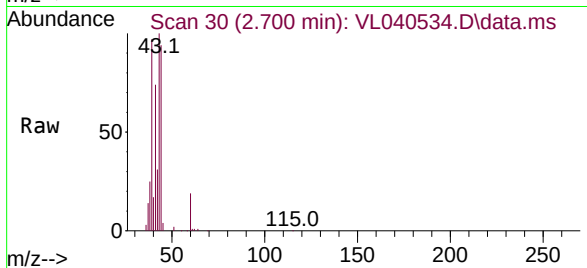
42 187.1 55.0 82.6

Manual Integrations

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Supervised By :Mahesh Dadoda 07/17/2023



#10

Heptane

Concen: 0.184 ppbv m

RT: 7.581 min Scan# 1548

Delta R.T. -0.010 min

Lab File: VL040534.D

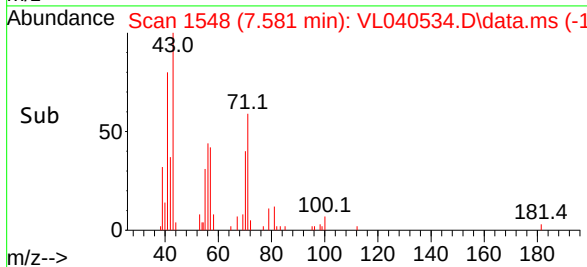
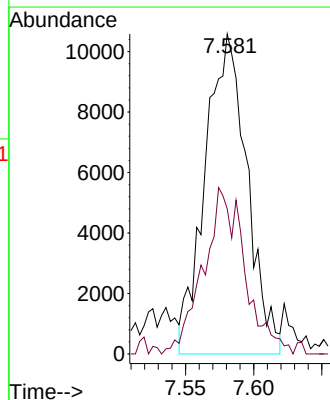
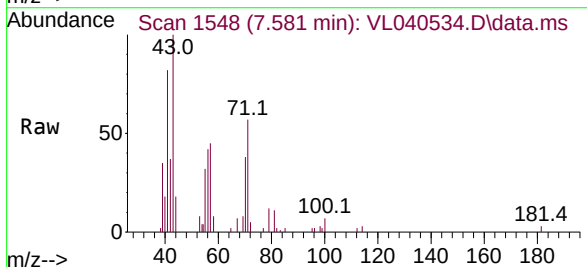
Acq: 14 Jul 2023 19:43

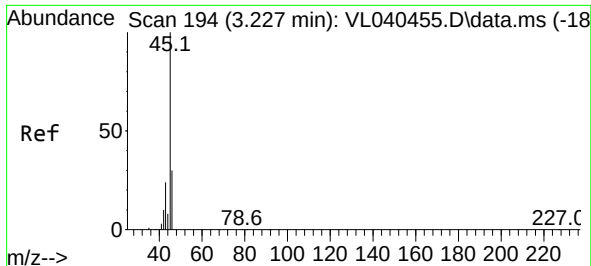
Tgt Ion: 43 Resp: 22649

Ion Ratio Lower Upper

43 100

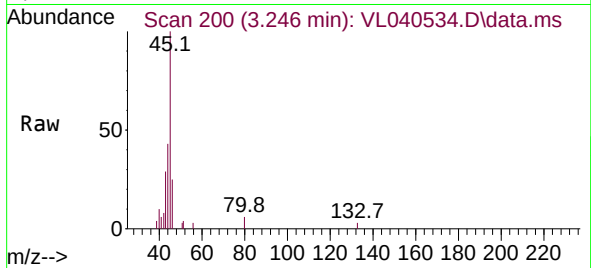
57 53.4 42.5 63.7





#13
Ethanol
Concen: 1.271 ppbv m
RT: 3.246 min Scan# 200
Delta R.T. -0.000 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

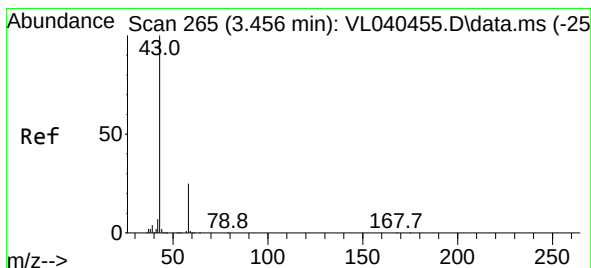
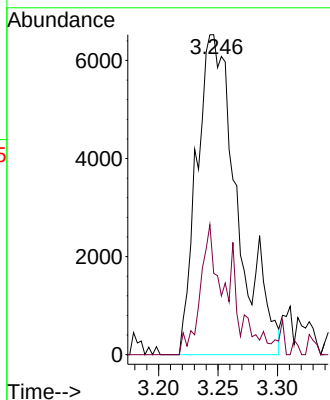
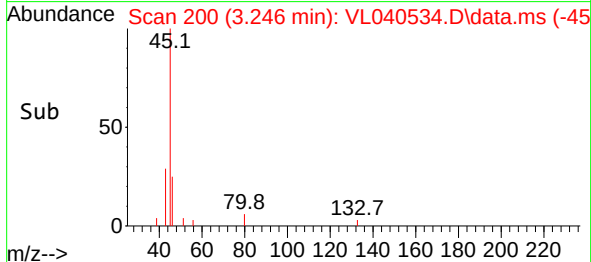
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 1539
Ion Ratio Lower Upper
45 100
46 30.7 15.3 61.1

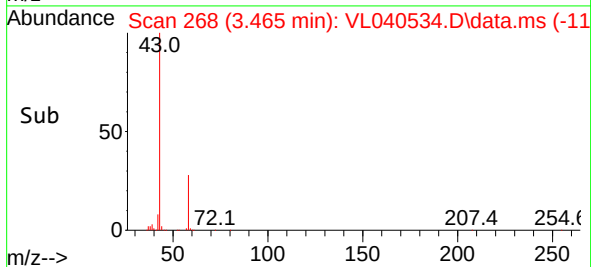
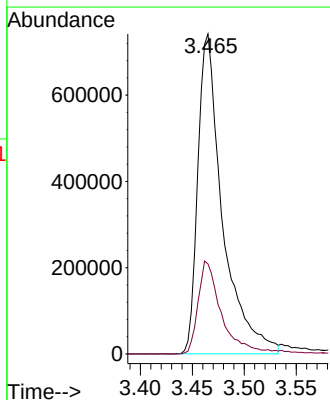
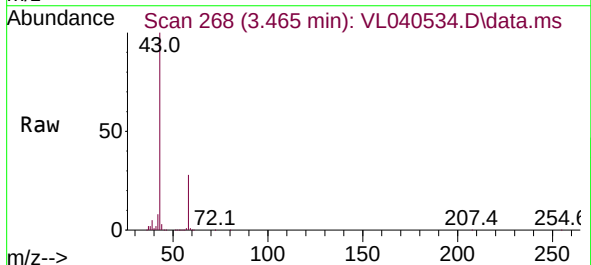
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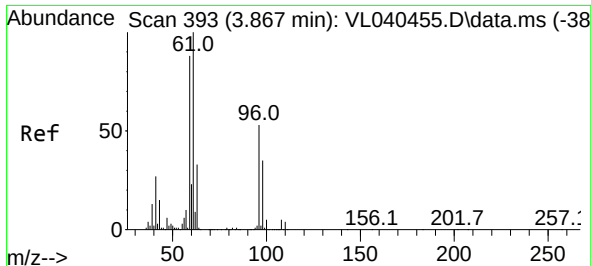
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#15
Acetone
Concen: 10.389 ppbv
RT: 3.465 min Scan# 268
Delta R.T. -0.010 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

Tgt Ion: 43 Resp: 1226478
Ion Ratio Lower Upper
43 100
58 28.8 22.9 34.3





#17

tert-Butyl alcohol

Concen: 0.186 ppbv

RT: 3.889 min Scan# 40

Delta R.T. 0.006 min

Lab File: VL040534.D

Acq: 14 Jul 2023 19:43

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 59 Resp: 22724

Ion Ratio Lower Upper

59 100

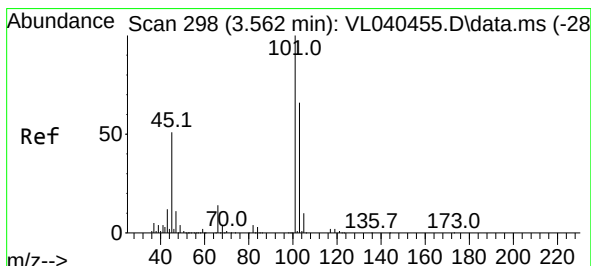
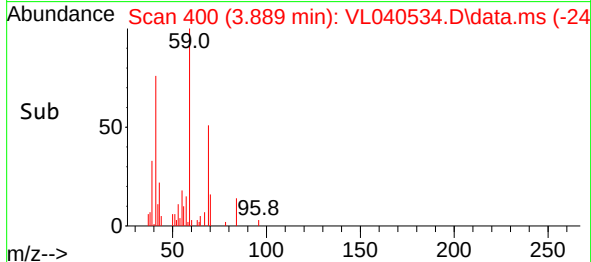
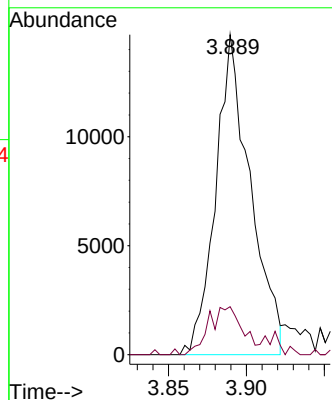
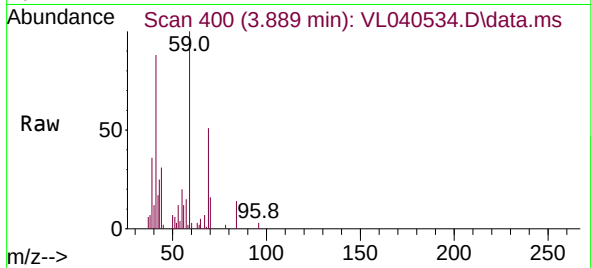
57 18.0 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#19

Isopropyl Alcohol

Concen: 0.254 ppbv m

RT: 3.578 min Scan# 303

Delta R.T. -0.003 min

Lab File: VL040534.D

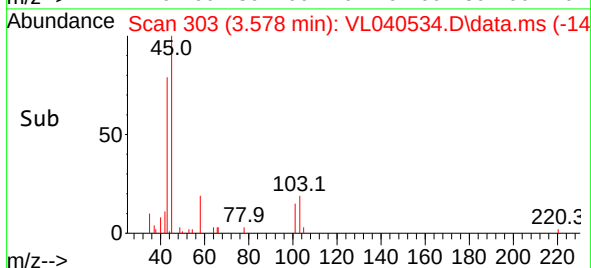
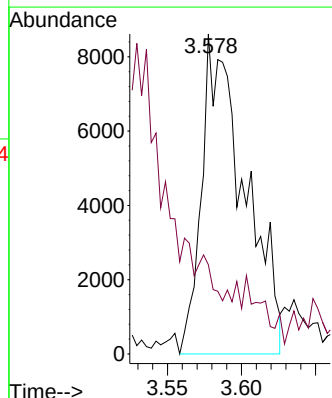
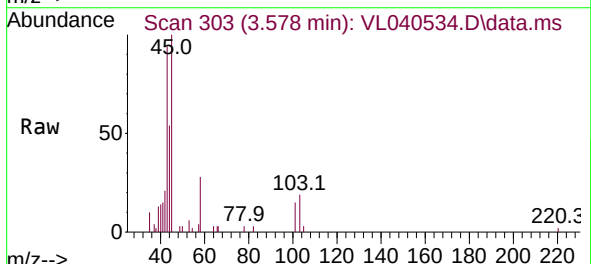
Acq: 14 Jul 2023 19:43

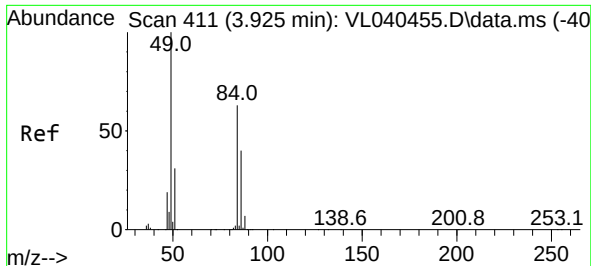
Tgt Ion: 45 Resp: 17229

Ion Ratio Lower Upper

45 100

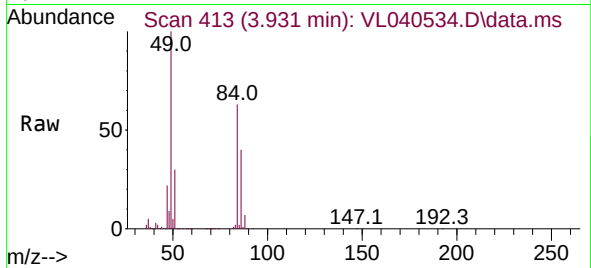
58 0.0 1.1 1.7#





#20
Methylene Chloride
Concen: 13.314 ppbv
RT: 3.931 min Scan# 411
Delta R.T. -0.010 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

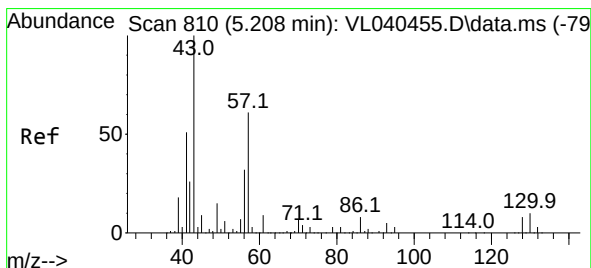
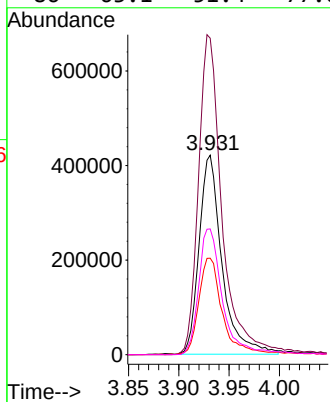
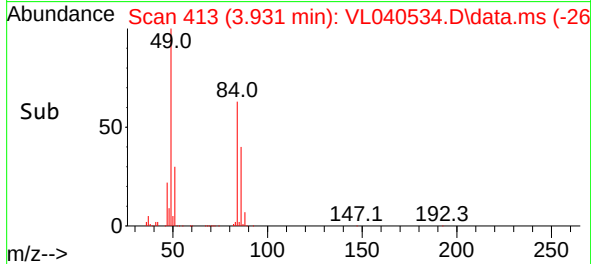
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	84	Resp:	668592
Ion	Ratio	Lower	Upper
84	100		
49	158.6	123.4	185.2
51	48.2	38.3	57.5
86	63.1	51.4	77.0

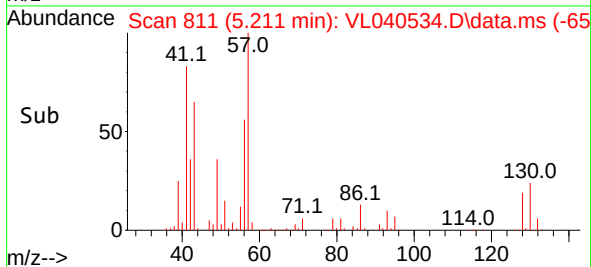
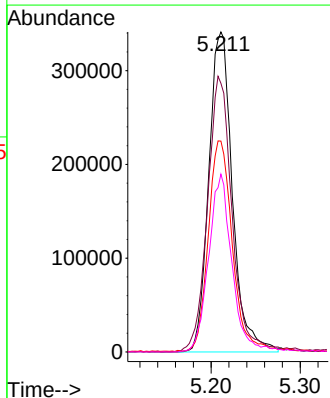
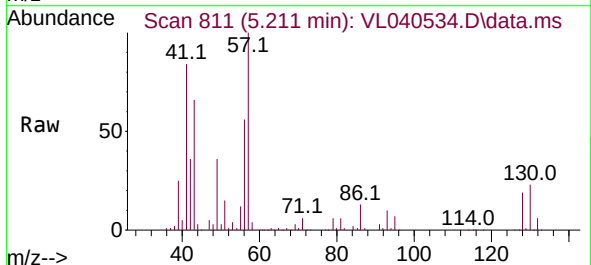
Manual Integrations
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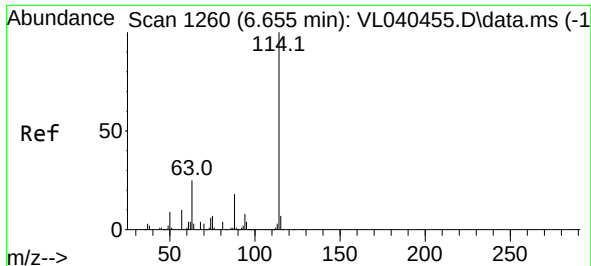
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#26
Hexane
Concen: 6.023 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

Tgt Ion:	57	Resp:	628864
Ion	Ratio	Lower	Upper
57	100		
41	90.5	69.5	104.3
43	69.1	177.1	265.7#
56	55.5	42.3	63.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040534.D

Acq: 14 Jul 2023 19:43

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 268753

Ion Ratio Lower Upper

114 100

63 24.5 19.6 29.4

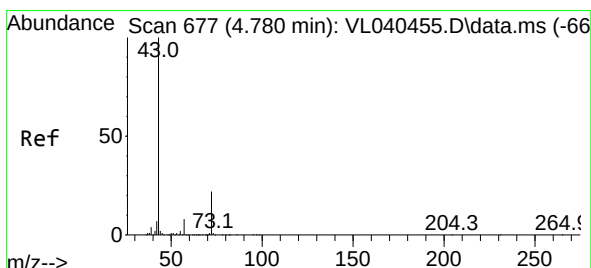
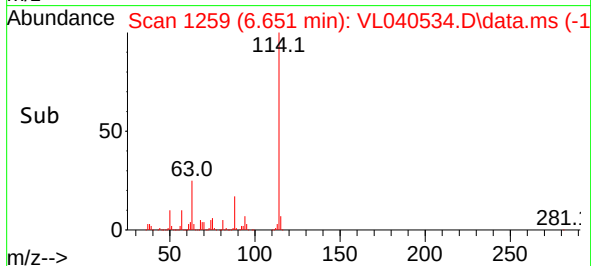
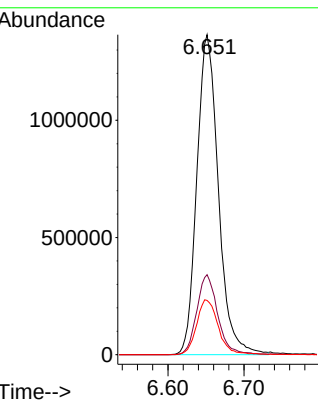
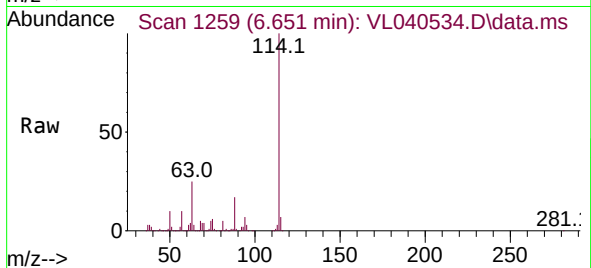
88 17.4 14.2 21.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#34

2-Butanone

Concen: 2.191 ppbv

RT: 4.790 min Scan# 680

Delta R.T. -0.003 min

Lab File: VL040534.D

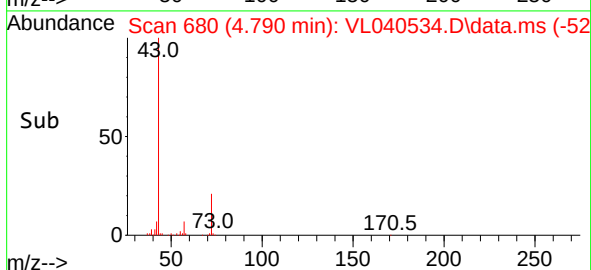
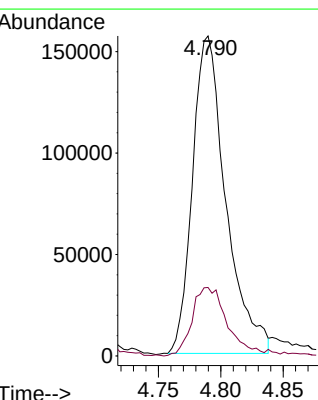
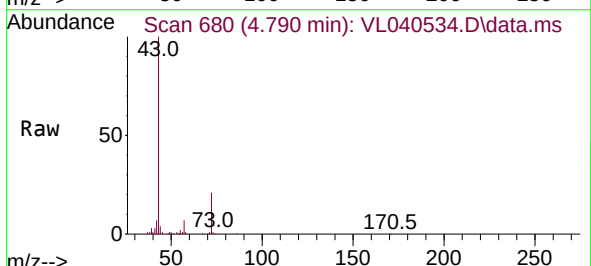
Acq: 14 Jul 2023 19:43

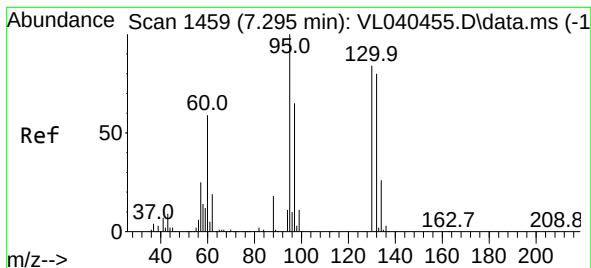
Tgt Ion: 43 Resp: 290937

Ion Ratio Lower Upper

43 100

72 24.2 19.1 28.7





#38

Trichloroethene

Concen: 0.212 ppbv m

RT: 7.294 min Scan# 1459

Delta R.T. -0.010 min

Lab File: VL040534.D

Acq: 14 Jul 2023 19:43

Instrument :

MSVOA_L

ClientSampleId :

SV1

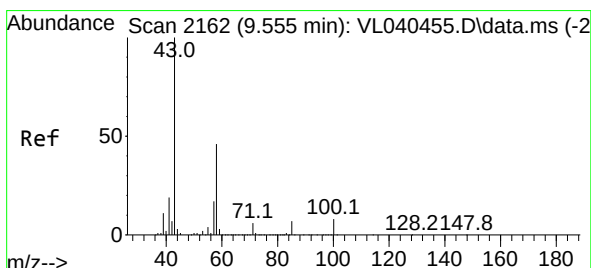
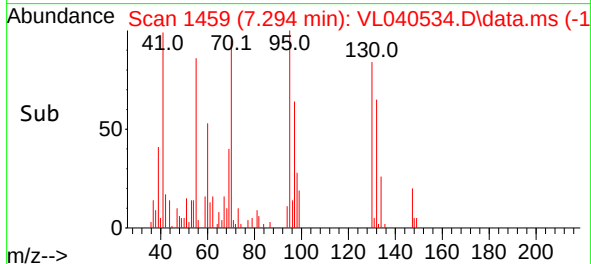
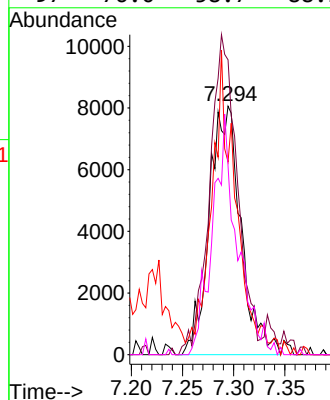
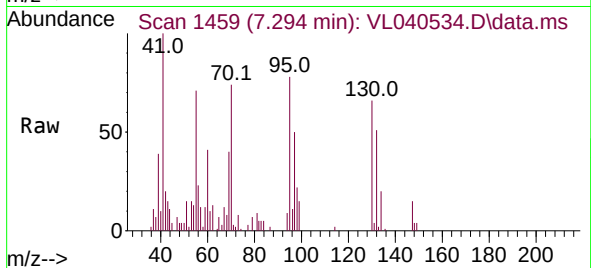
Tgt Ion:	130	Resp:	1730
Ion Ratio	Lower	Upper	
130	100		
95	118.7	90.2	135.2
132	77.6	76.3	114.5
97	76.0	58.7	88.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#51

2-Hexanone

Concen: 0.476 ppbv

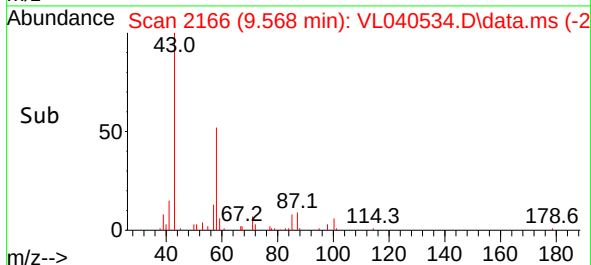
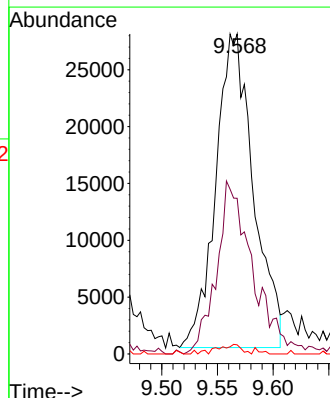
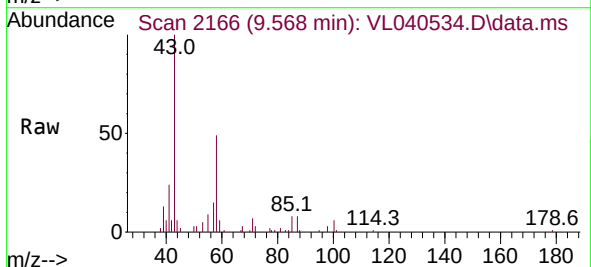
RT: 9.568 min Scan# 2166

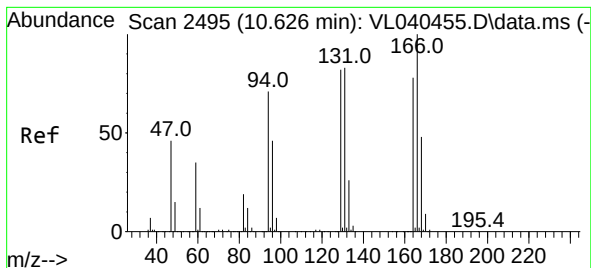
Delta R.T. 0.007 min

Lab File: VL040534.D

Acq: 14 Jul 2023 19:43

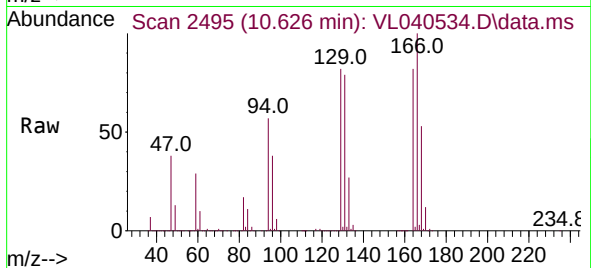
Tgt Ion:	43	Resp:	65006
Ion Ratio	Lower	Upper	
43	100		
58	54.8	39.7	59.5
98	2.5	0.3	0.5





#52
Tetrachloroethene
Concen: 93.809 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.000 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

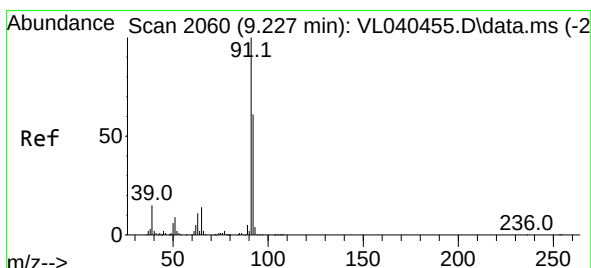
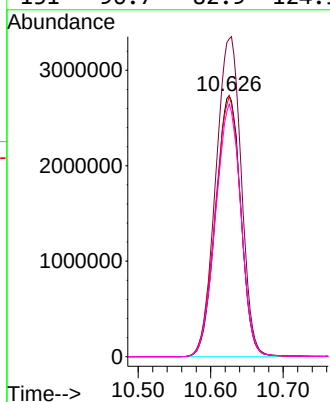
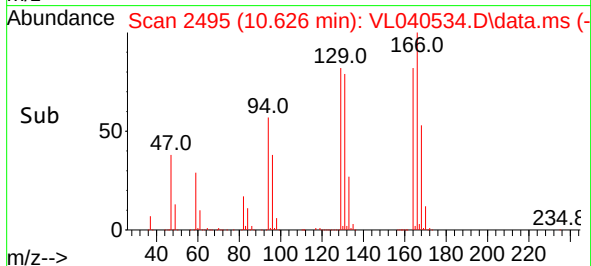
Instrument :
MSVOA_L
ClientSampleId :
SV1



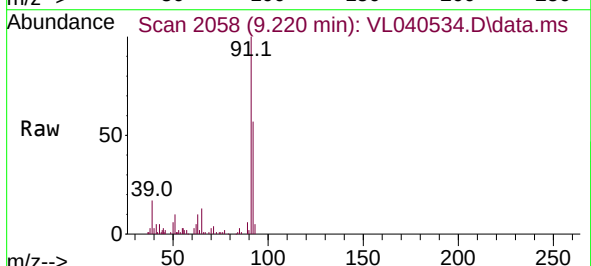
Tgt Ion:164 Resp: 656935
Ion Ratio Lower Upper
164 100
166 121.7 103.9 155.9
129 99.7 84.6 126.8
131 96.7 82.9 124.3

Manual Integrations
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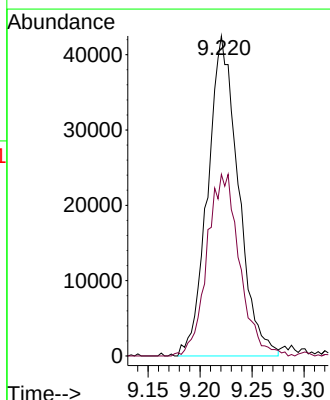
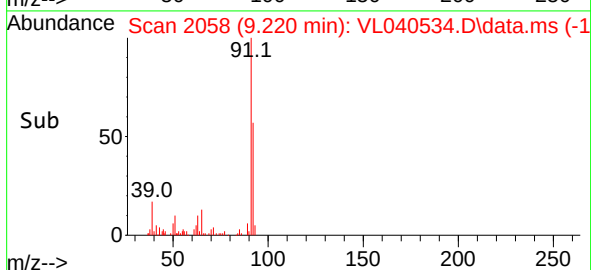
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

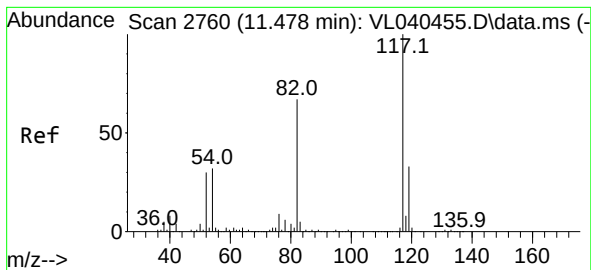


#53
Toluene
Concen: 0.371 ppbv
RT: 9.220 min Scan# 2058
Delta R.T. -0.010 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43



Tgt Ion: 91 Resp: 87253
Ion Ratio Lower Upper
91 100
92 60.3 49.1 73.7





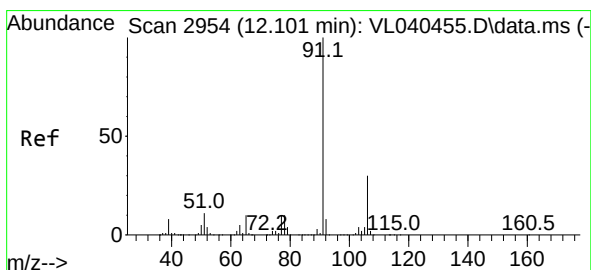
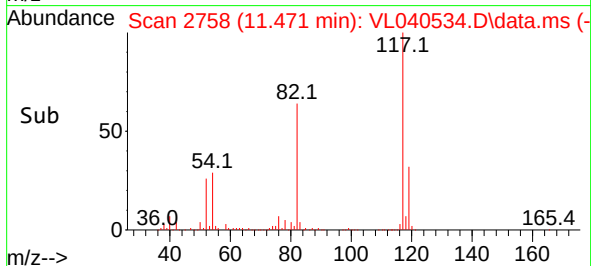
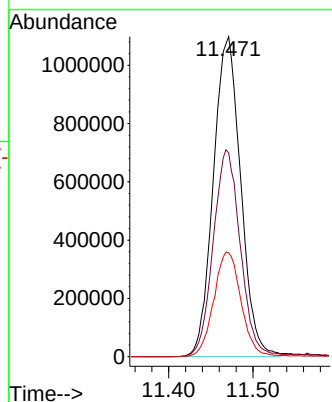
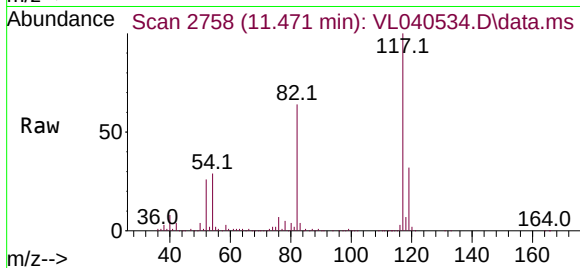
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:117 Resp: 2473860
Ion Ratio Lower Upper
117 100
82 64.4 50.2 75.4
119 32.9 26.9 40.3

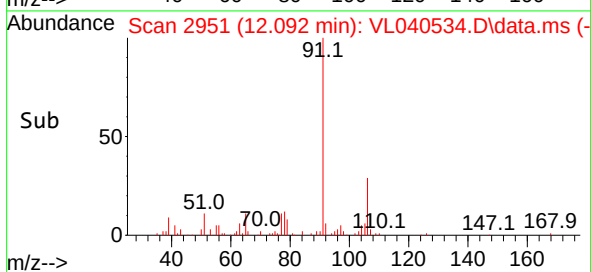
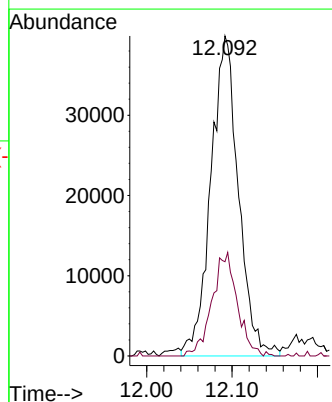
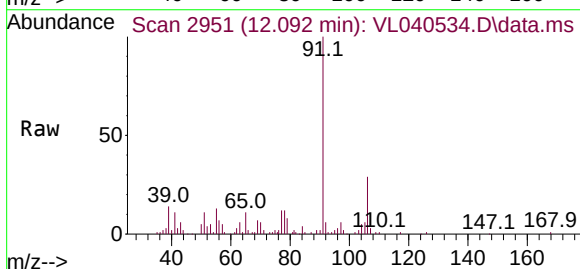
Manual Integrations
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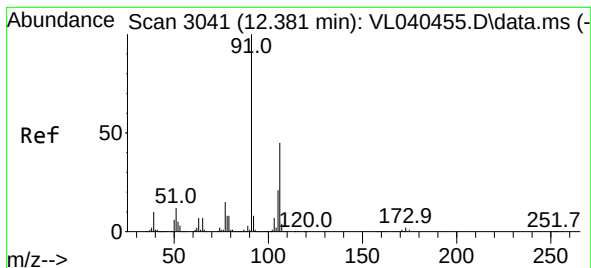
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#58
Ethyl Benzene
Concen: 0.289 ppbv m
RT: 12.092 min Scan# 2951
Delta R.T. -0.010 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

Tgt Ion: 91 Resp: 89814
Ion Ratio Lower Upper
91 100
106 29.5 25.4 38.0





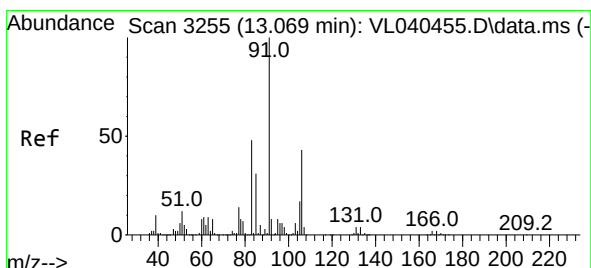
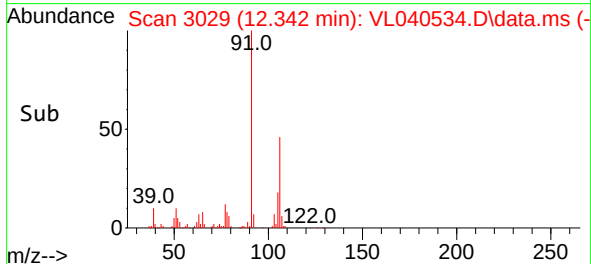
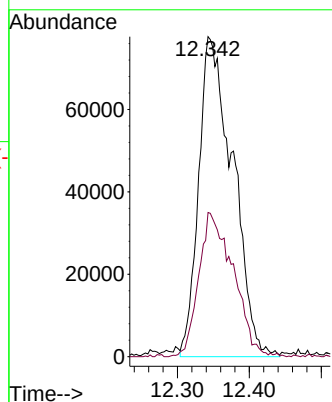
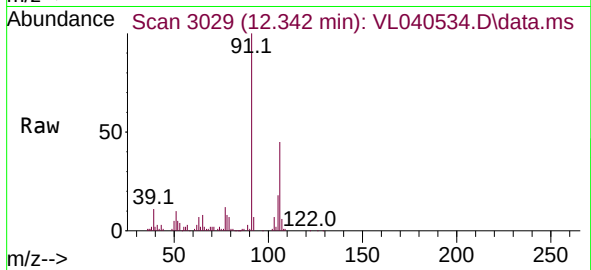
#59
m/p-Xylene
Concen: 0.921 ppbv m
RT: 12.342 min Scan# 3041
Delta R.T. -0.042 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 255299
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9

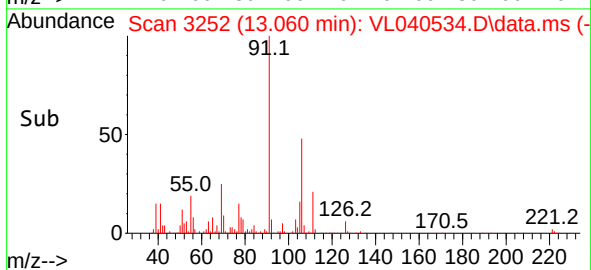
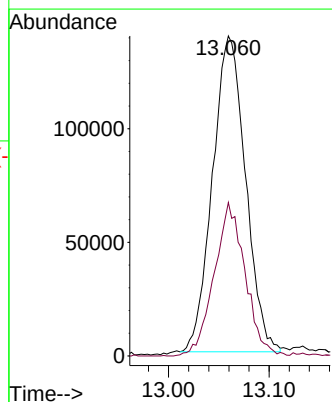
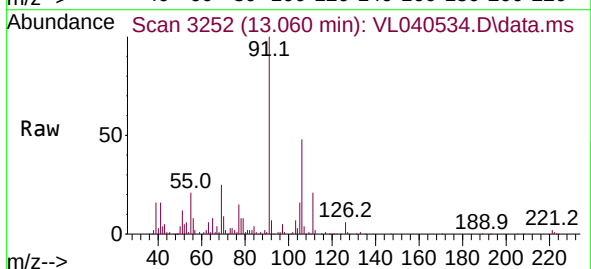
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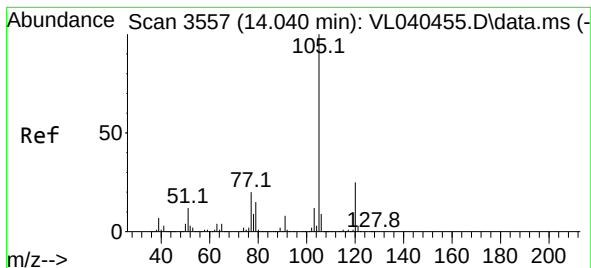
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#60
o-Xylene
Concen: 1.202 ppbv
RT: 13.060 min Scan# 3252
Delta R.T. -0.010 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

Tgt Ion: 91 Resp: 317267
Ion Ratio Lower Upper
91 100
106 46.0 22.7 68.0





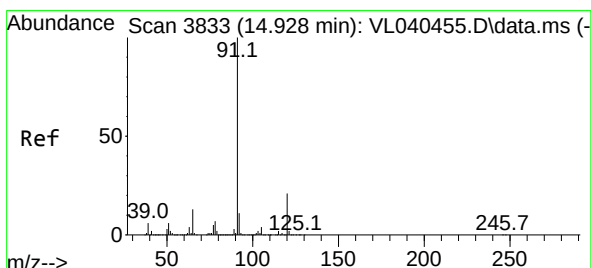
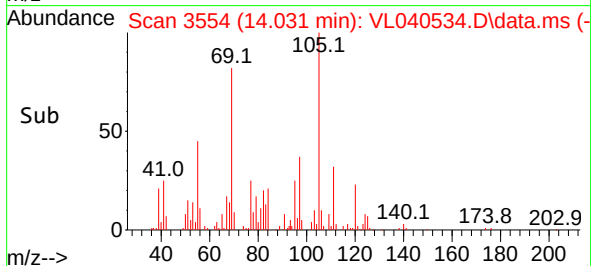
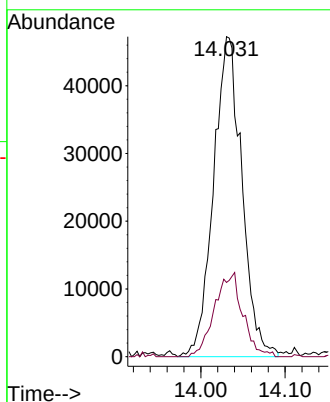
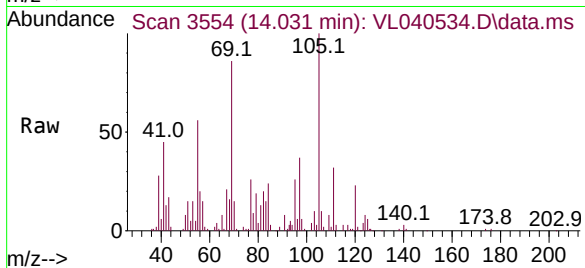
#62
Isopropylbenzene
Concen: 0.279 ppbv m
RT: 14.031 min Scan# 3557
Delta R.T. -0.010 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 110197
Ion Ratio Lower Upper
105 100
120 0.0 20.8 31.2

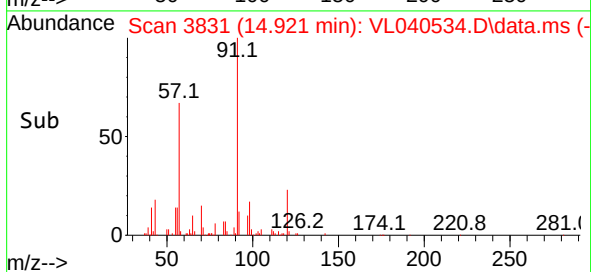
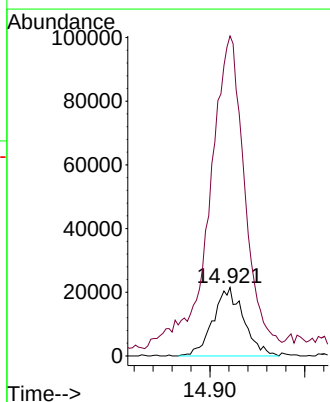
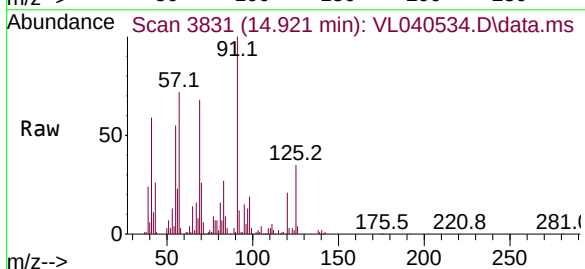
Manual Integrations
APPROVED

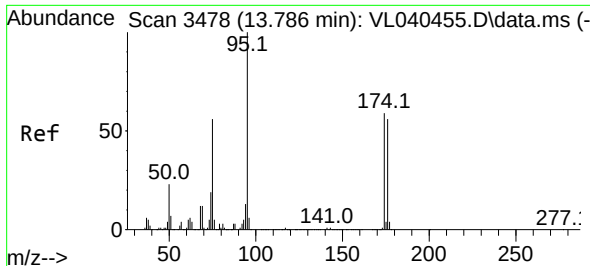
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#64
n-propylbenzene
Concen: 0.469 ppbv m
RT: 14.921 min Scan# 3831
Delta R.T. -0.010 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

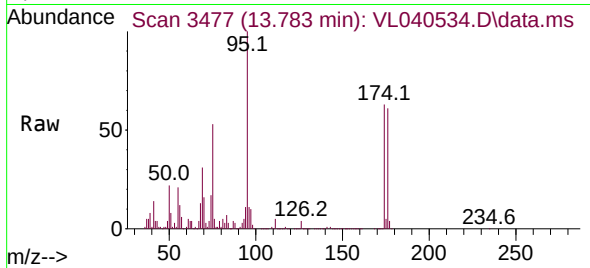
Tgt Ion:120 Resp: 48011
Ion Ratio Lower Upper
120 100
91 563.9 374.3 561.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.255 ppbv
RT: 13.783 min Scan# 3478
Delta R.T. -0.000 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43

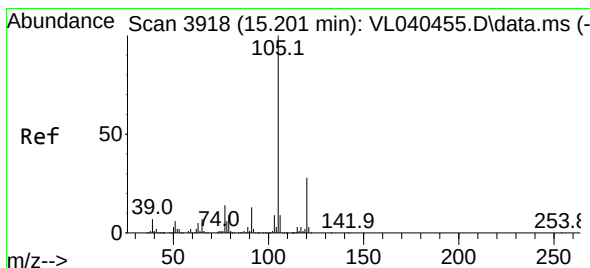
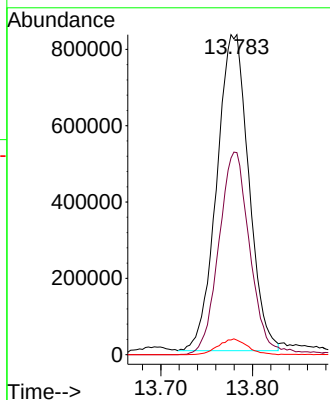
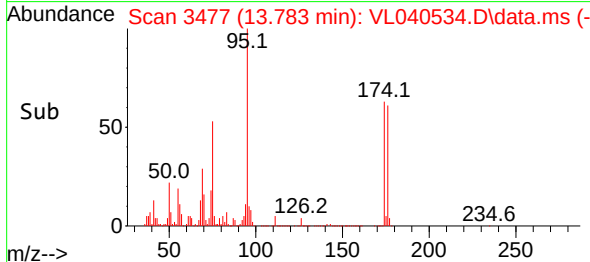
Instrument :
MSVOA_L
ClientSampleId :
SV1



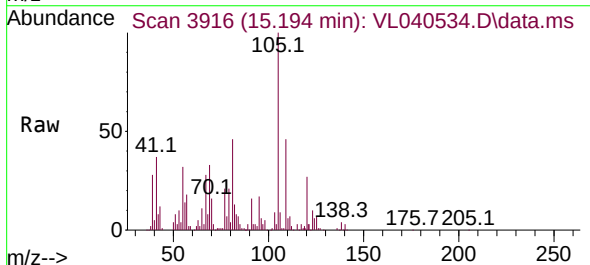
Tgt Ion: 95 Resp: 200786
Ion Ratio Lower Upper
95 100
174 63.7 50.6 75.8
175 4.7 3.7 5.5

Manual Integrations
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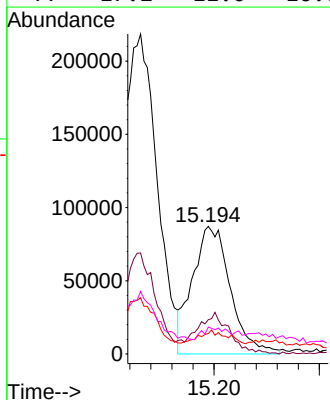
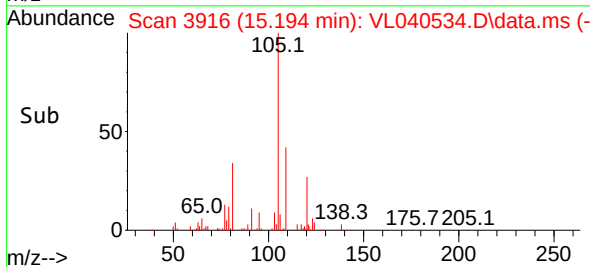
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

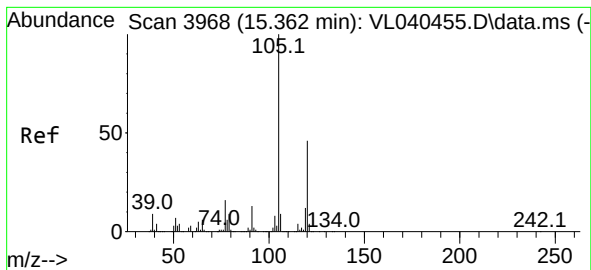


#72
4-Ethyltoluene
Concen: 0.705 ppbv m
RT: 15.194 min Scan# 3916
Delta R.T. -0.010 min
Lab File: VL040534.D
Acq: 14 Jul 2023 19:43



Tgt Ion:105 Resp: 218162
Ion Ratio Lower Upper
105 100
120 0.0 24.6 37.0#
91 0.0 10.7 16.1#
77 17.2 11.0 16.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.679 ppbv m

RT: 15.358 min Scan# 3967

Delta R.T. -0.003 min

Lab File: VL040534.D

Acq: 14 Jul 2023 19:43

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:105 Resp: 185194

Ion Ratio Lower Upper

105 100

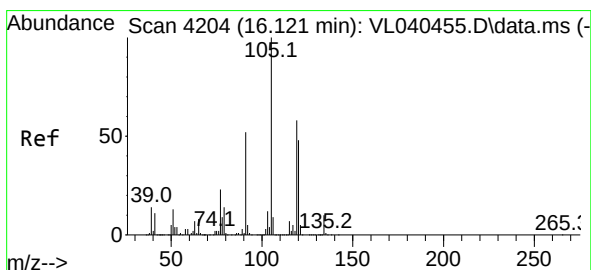
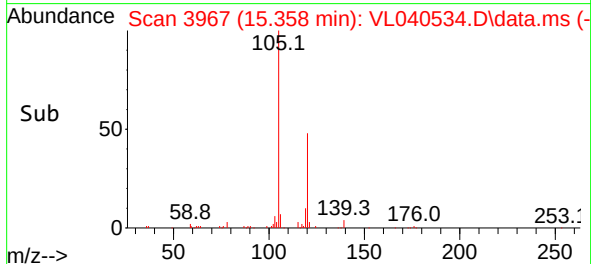
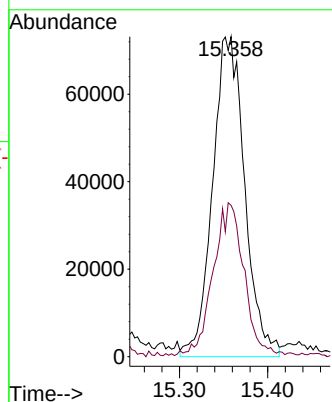
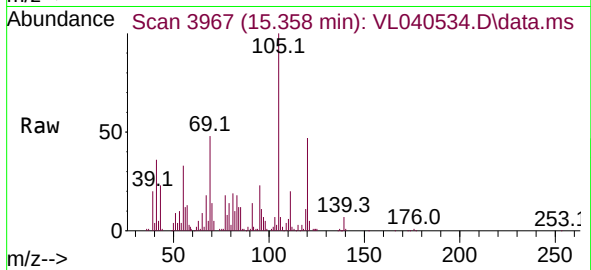
120 47.3 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#74

1,2,4-Trimethylbenzene

Concen: 1.457 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.003 min

Lab File: VL040534.D

Acq: 14 Jul 2023 19:43

Tgt Ion:105 Resp: 463407

Ion Ratio Lower Upper

105 100

120 40.9 40.3 60.5

91 10.1 46.8 70.2#

77 12.0 18.6 28.0#

