

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040553.D
 Acq On : 26 Jul 2023 23:20
 Operator : SY/MD
 Sample : 03730-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-23-20230721DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023

Quant Time: Jul 27 01:53:06 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	5.176	49	1134797	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	3048101	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	2787008	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2265518	10.271	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.700%
Target Compounds						
					Qvalue	
9) Propene	2.684	41	33013	0.536	ppbv	85
10) Heptane	7.565	43	110084	0.810	ppbv	99
13) Ethanol	3.234	45	35254	2.631	ppbv	100
15) Acetone	3.452	43	944107	7.228	ppbv	98
17) tert-Butyl alcohol	3.877	59	51977	0.385	ppbv #	92
20) Methylene Chloride	3.915	84	15768	0.284	ppbv #	89
26) Hexane	5.198	57	88750	0.768	ppbv #	40
27) Carbon Disulfide	4.108	76	27776	0.204	ppbv #	73
30) Cyclohexane	6.587	84	35003m	0.364	ppbv	
34) 2-Butanone	4.774	43	255546m	1.697	ppbv	
36) Benzene	6.359	78	28993m	0.118	ppbv	
50) 4-Methyl-2-Pentanone	8.185	43	236677m	1.082	ppbv	
53) Toluene	9.214	91	129350m	0.486	ppbv	
58) Ethyl Benzene	12.079	91	84481	0.242	ppbv	95
59) m/p-Xylene	12.336	91	111991m	0.359	ppbv	
60) o-Xylene	13.050	91	60028m	0.202	ppbv	

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

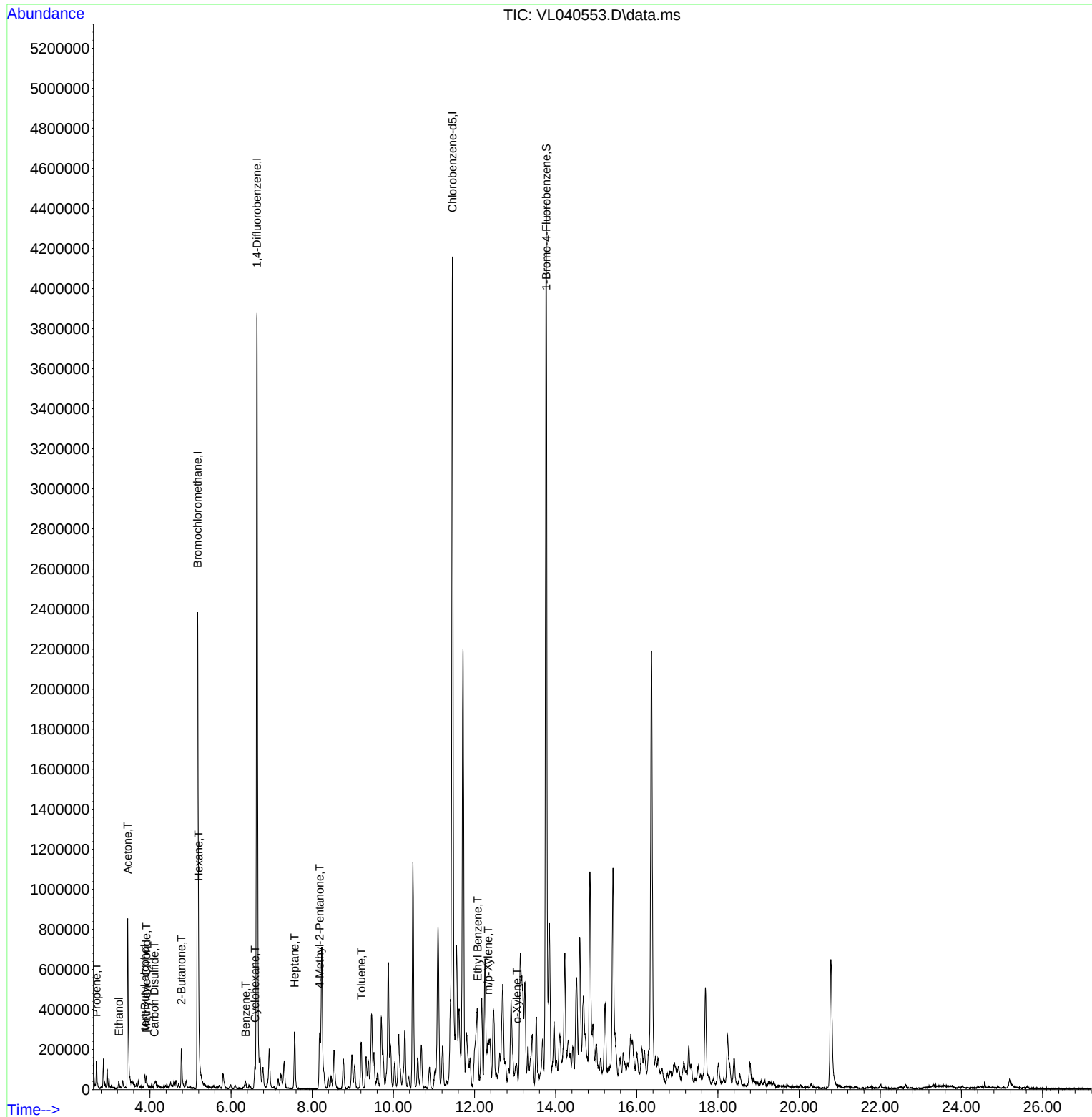
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
Data File : VL040553.D
Acq On : 26 Jul 2023 23:20
Operator : SY/MD
Sample : 03730-02DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

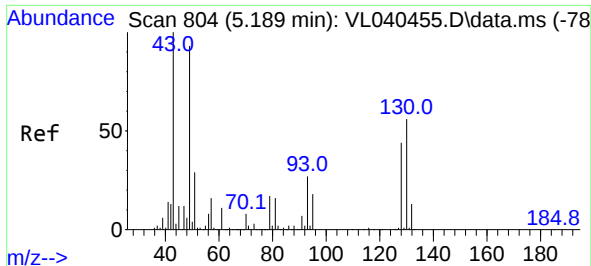
Instrument :
MSVOA_L
ClientSampleId :
SV-23-20230721DL

Quant Time: Jul 27 01:53:06 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

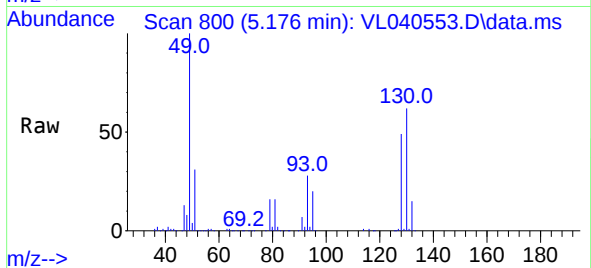
Reviewed By : Semsettin Yesilyurt 07/27/2023
Supervised By : Mahesh Dadoda 07/27/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 804
Delta R.T. -0.026 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

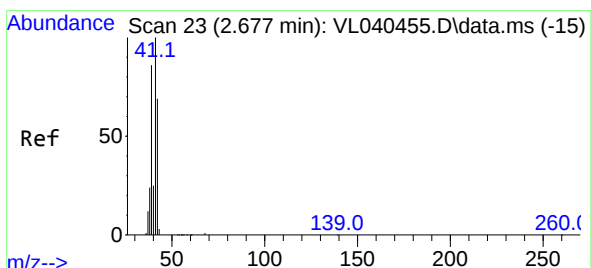
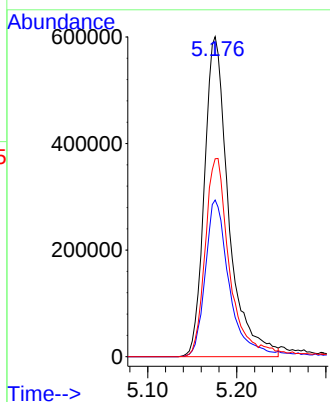
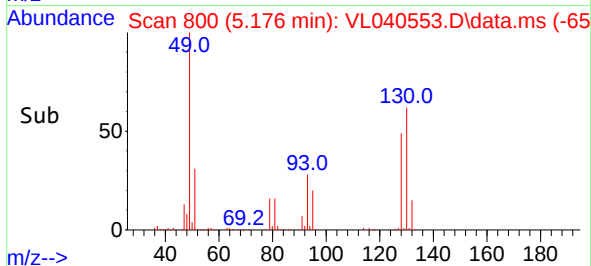
Instrument :
MSVOA_L
ClientSampleId :
SV-23-20230721DL



Tgt Ion: 49 Resp: 113479
Ion Ratio Lower Upper
49 100
128 50.3 25.1 75.4
130 64.8 31.6 94.7

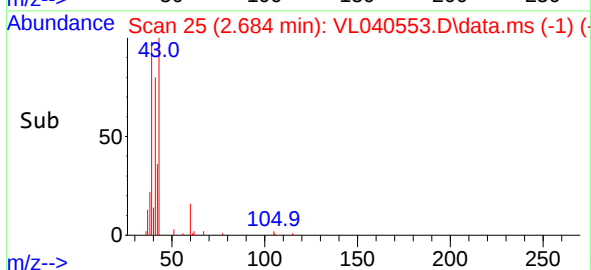
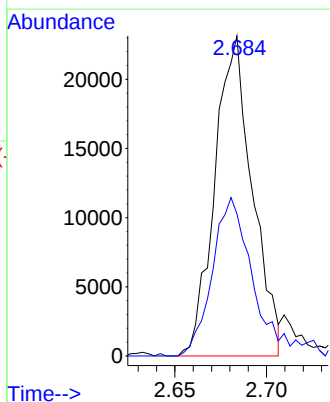
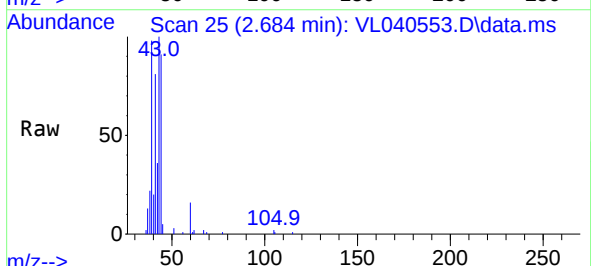
Manual Integrations
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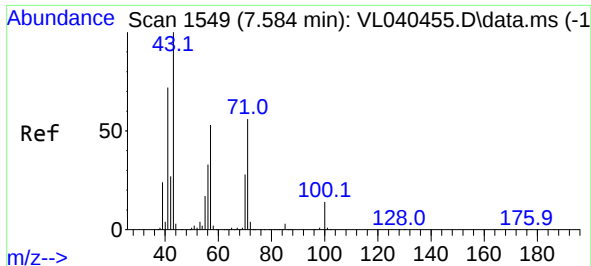
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#9
Propene
Concen: 0.536 ppbv
RT: 2.684 min Scan# 25
Delta R.T. -0.019 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

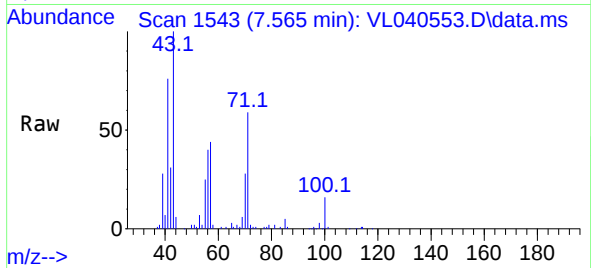
Tgt Ion: 41 Resp: 33013
Ion Ratio Lower Upper
41 100
42 56.3 55.0 82.6





#10
Heptane
Concen: 0.810 ppbv
RT: 7.565 min Scan# 110084
Delta R.T. -0.026 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

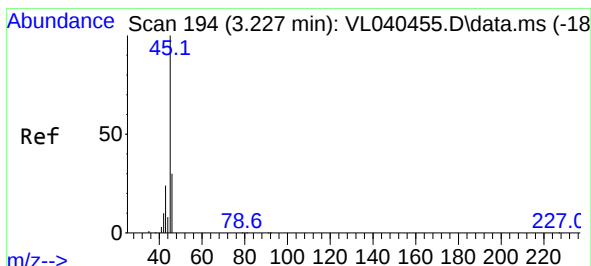
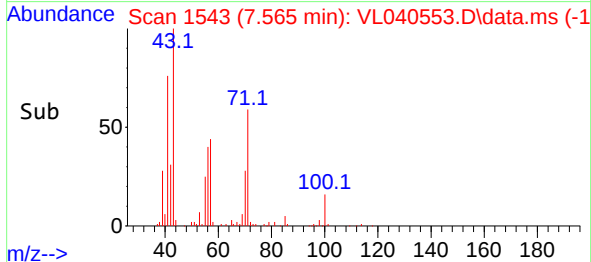
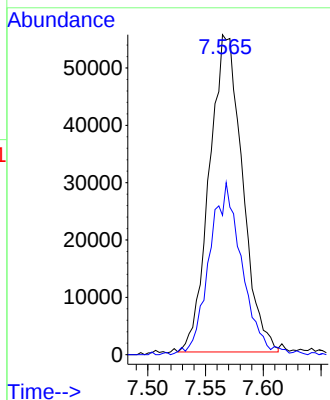
Instrument :
MSVOA_L
ClientSampleId :
SV-23-20230721DL



Tgt Ion: 43 Resp: 110084
Ion Ratio Lower Upper
43 100
57 54.2 42.5 63.7

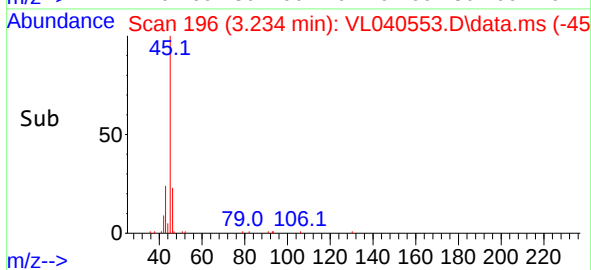
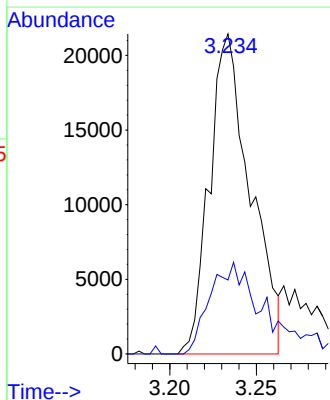
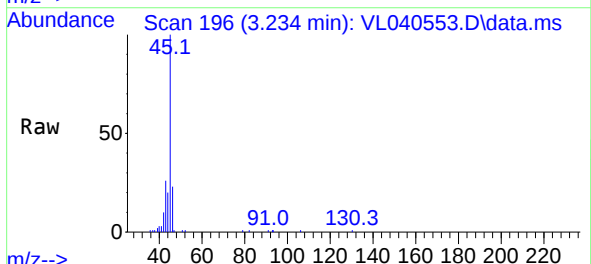
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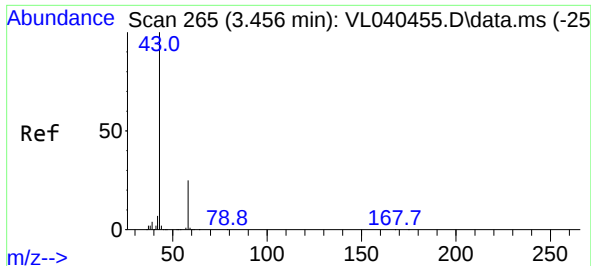
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#13
Ethanol
Concen: 2.631 ppbv
RT: 3.234 min Scan# 196
Delta R.T. -0.013 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

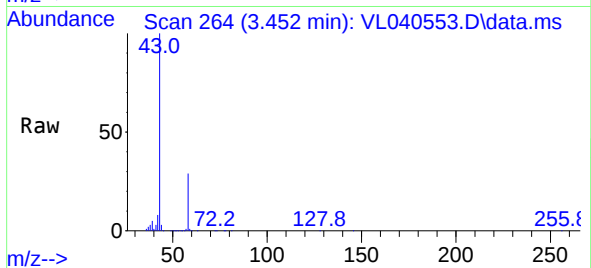
Tgt Ion: 45 Resp: 35254
Ion Ratio Lower Upper
45 100
46 38.5 15.3 61.1





#15
Acetone
Concen: 7.228 ppbv
RT: 3.452 min Scan# 20
Delta R.T. -0.023 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

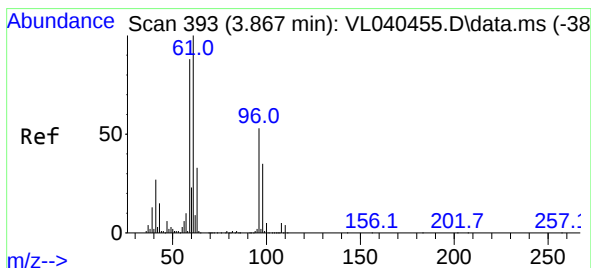
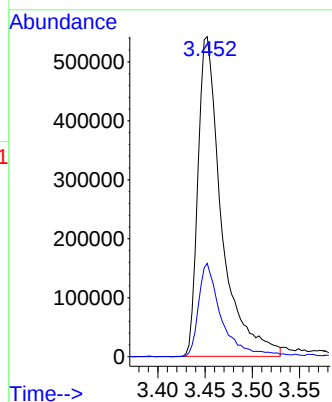
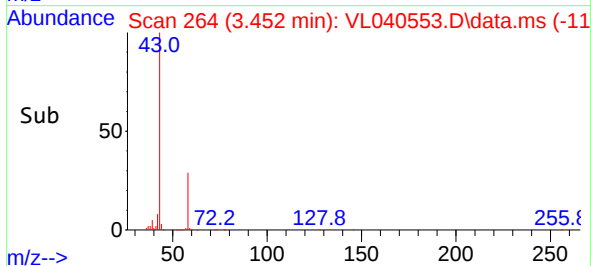
Instrument :
MSVOA_L
ClientSampleId :
SV-23-20230721DL



Tgt Ion: 43 Resp: 94410
Ion Ratio Lower Upper
43 100
58 29.6 22.9 34.3

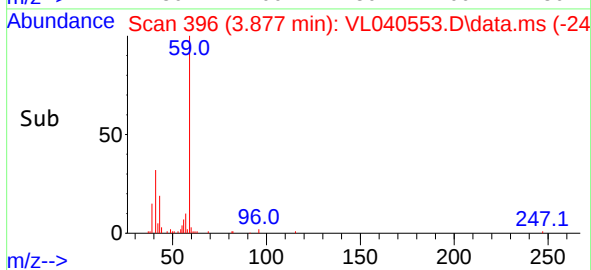
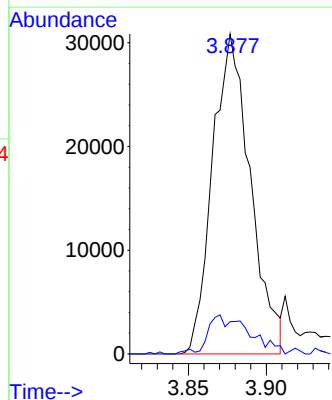
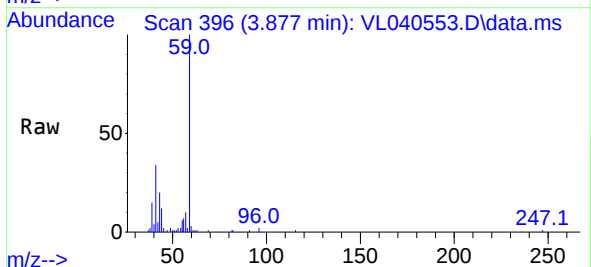
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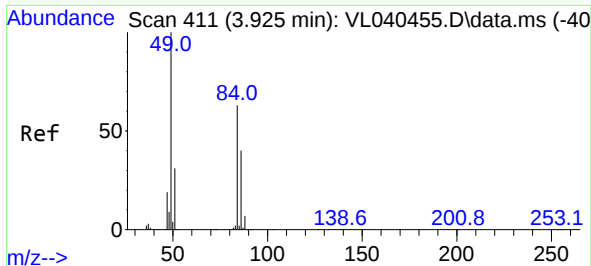
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#17
tert-Butyl alcohol
Concen: 0.385 ppbv
RT: 3.877 min Scan# 396
Delta R.T. -0.007 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

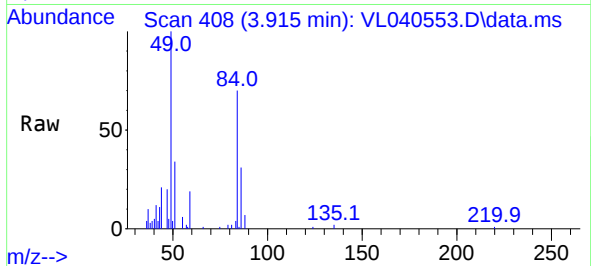
Tgt Ion: 59 Resp: 51977
Ion Ratio Lower Upper
59 100
57 13.8 8.7 13.1#





#20
Methylene Chloride
Concen: 0.284 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.026 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

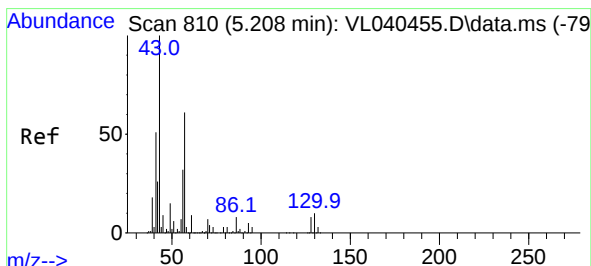
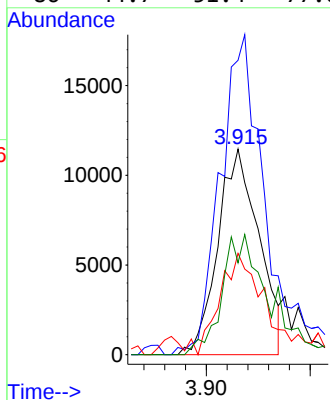
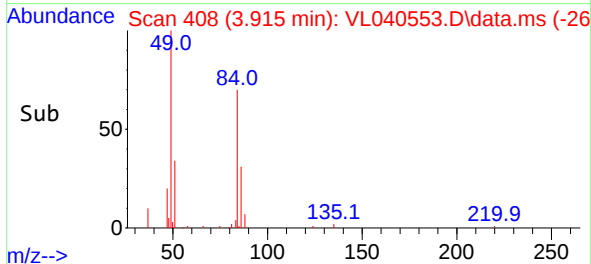
Instrument :
MSVOA_L
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SV-23-20230721DL



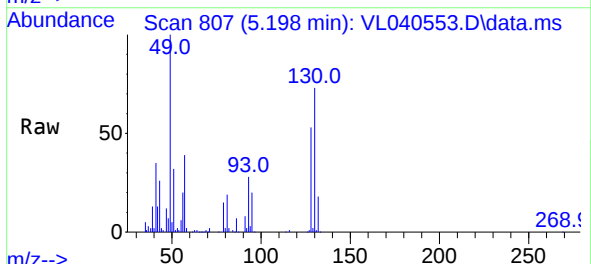
Tgt Ion: 84 Resp: 15768
Ion Ratio Lower Upper
84 100
49 145.7 123.4 185.2
51 43.4 38.3 57.5
86 44.7 51.4 77.0#

Manual Integrations
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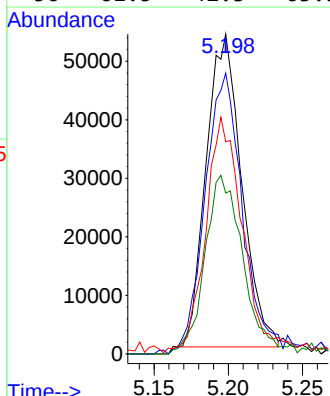
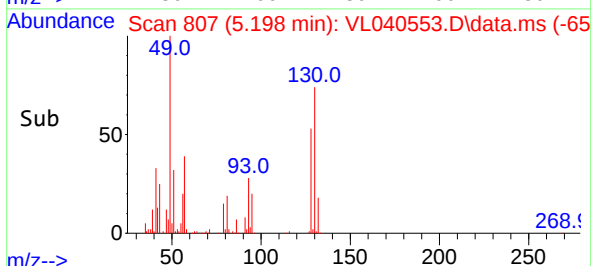
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

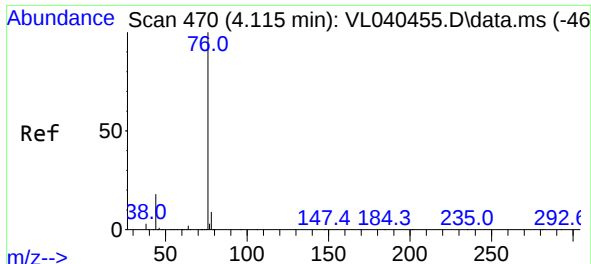


#26
Hexane
Concen: 0.768 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.023 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20



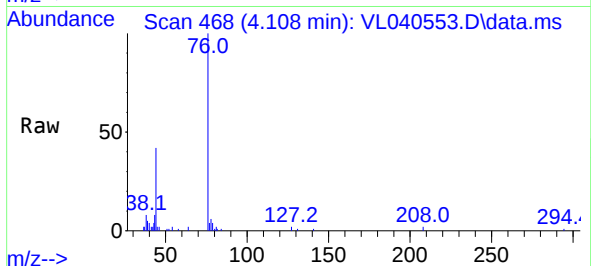
Tgt Ion: 57 Resp: 88750
Ion Ratio Lower Upper
57 100
41 99.6 69.5 104.3
43 78.0 177.1 265.7#
56 61.5 42.3 63.5





#27
Carbon Disulfide
Concen: 0.204 ppbv
RT: 4.108 min Scan# 41
Delta R.T. -0.023 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

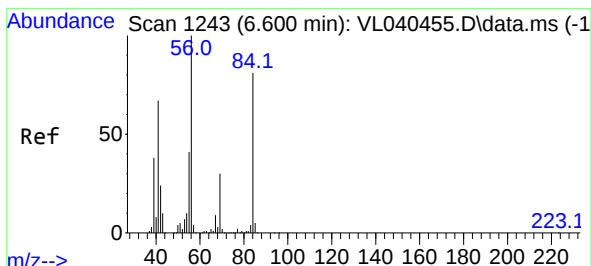
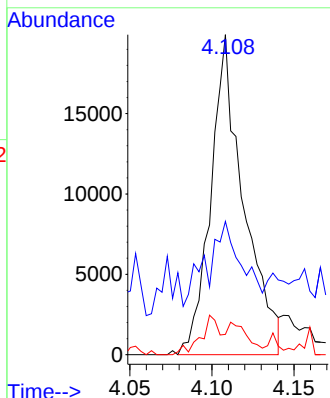
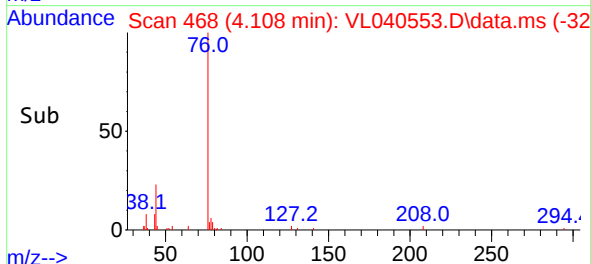
Instrument :
MSVOA_L
ClientSampleId :
SV-23-20230721DL



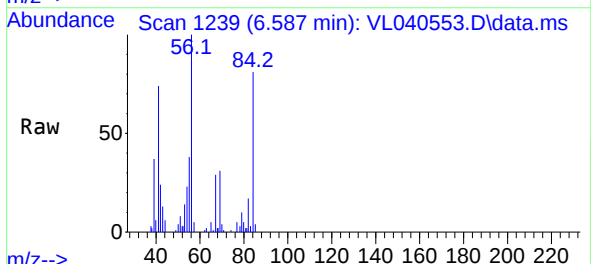
Tgt Ion: 76 Resp: 27770
Ion Ratio Lower Upper
76 100
44 31.8 15.1 22.7
78 17.8 7.5 11.3

Manual Integrations
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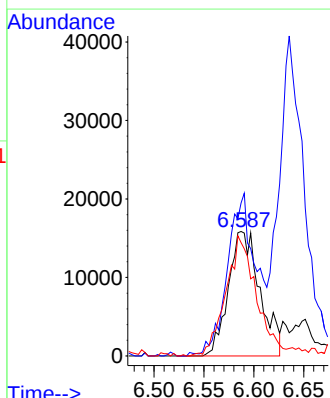
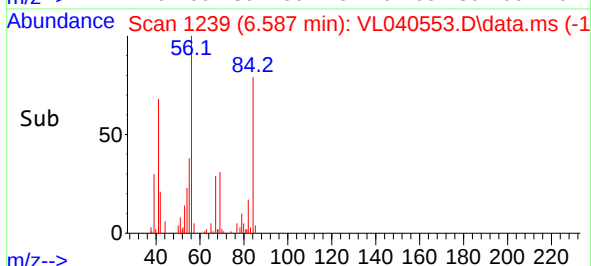
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

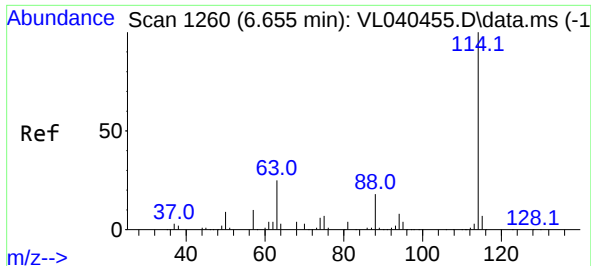


#30
Cyclohexane
Concen: 0.364 ppbv m
RT: 6.587 min Scan# 1239
Delta R.T. -0.023 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20



Tgt Ion: 84 Resp: 35003
Ion Ratio Lower Upper
84 100
56 112.7 108.7 163.1
41 97.4 64.5 96.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.026 min

Lab File: VL040553.D

Acq: 26 Jul 2023 23:20

Instrument :

MSVOA_L

ClientSampleId :

SV-23-20230721DL

Tgt Ion:114 Resp: 304810

Ion Ratio Lower Upper

114 100

63 24.3 19.6 29.4

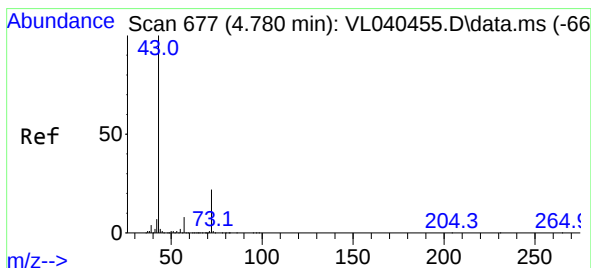
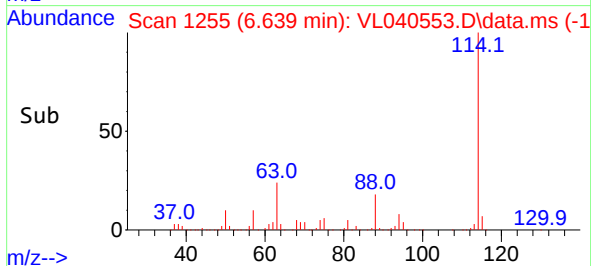
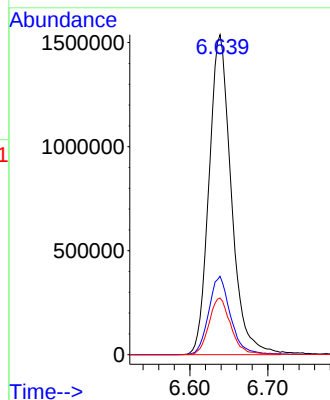
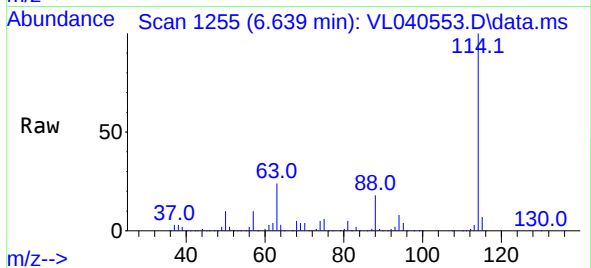
88 17.6 14.2 21.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/27/2023

Supervised By :Mahesh Dadoda 07/27/2023



#34

2-Butanone

Concen: 1.697 ppbv m

RT: 4.774 min Scan# 675

Delta R.T. -0.019 min

Lab File: VL040553.D

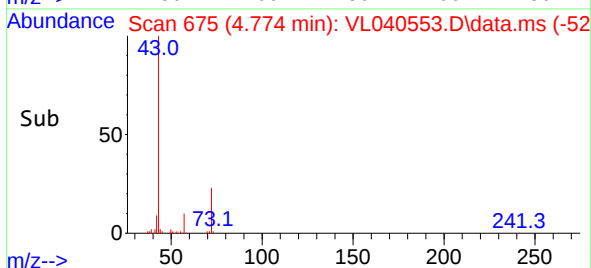
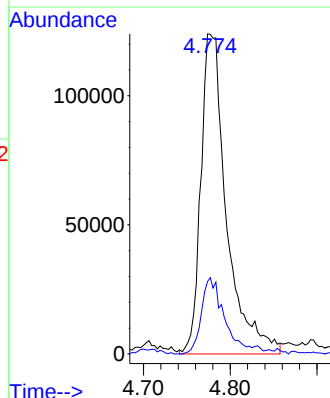
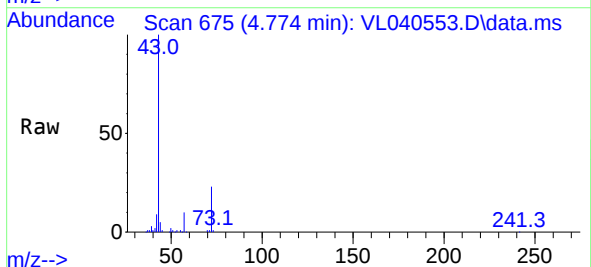
Acq: 26 Jul 2023 23:20

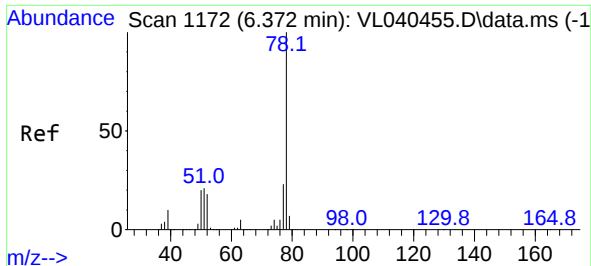
Tgt Ion: 43 Resp: 255546

Ion Ratio Lower Upper

43 100

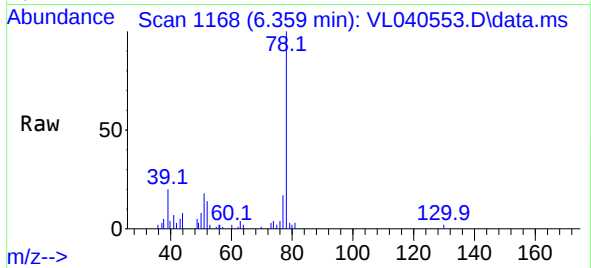
72 23.3 19.1 28.7





#36
Benzene
Concen: 0.118 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. -0.023 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

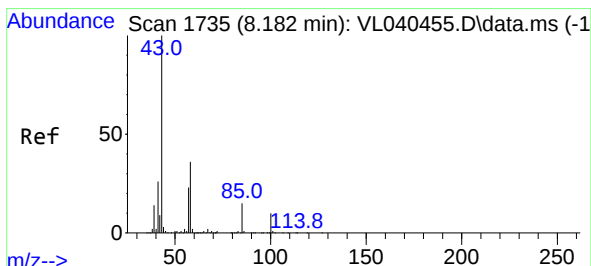
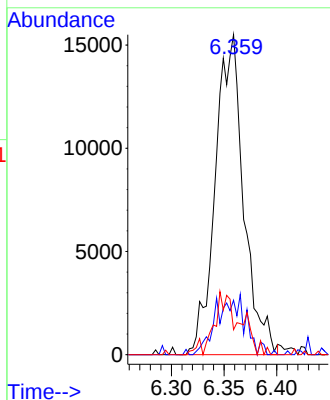
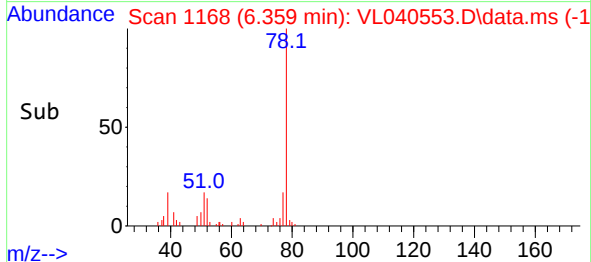
Instrument :
MSVOA_L
ClientSampleId :
SV-23-20230721DL



Tgt Ion: 78 Resp: 2899
Ion Ratio Lower Upper
78 100
77 17.0 17.4 26.0
50 7.8 14.4 21.6

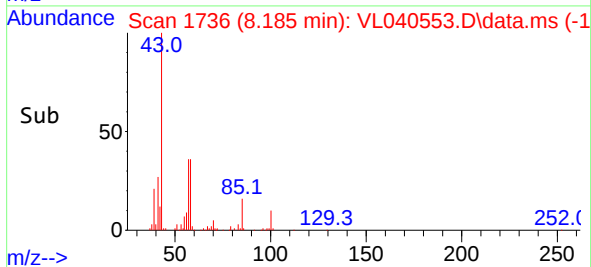
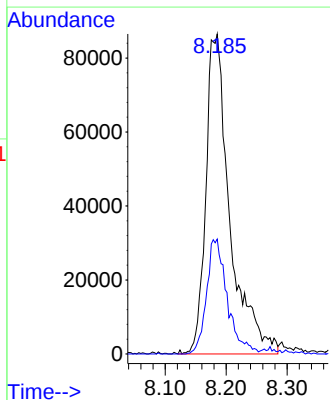
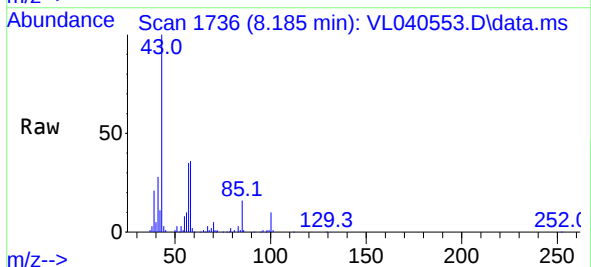
Manual Integrations
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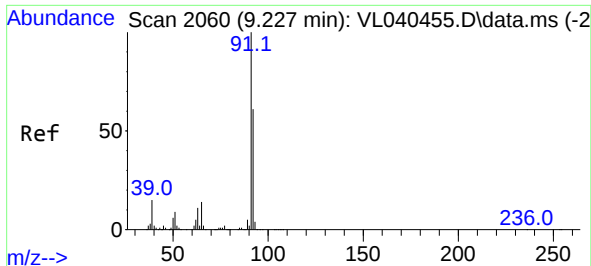
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#50
4-Methyl-2-Pentanone
Concen: 1.082 ppbv m
RT: 8.185 min Scan# 1736
Delta R.T. -0.007 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

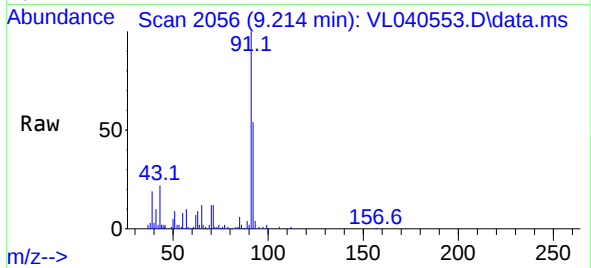
Tgt Ion: 43 Resp: 236677
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2





#53
Toluene
Concen: 0.486 ppbv m
RT: 9.214 min Scan# 2060
Delta R.T. -0.016 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

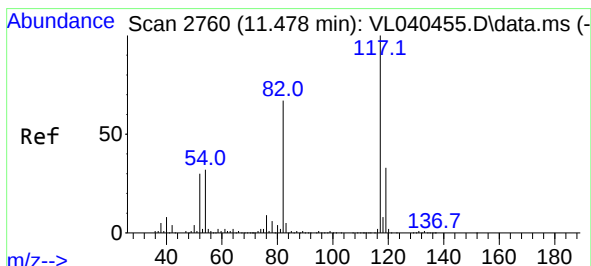
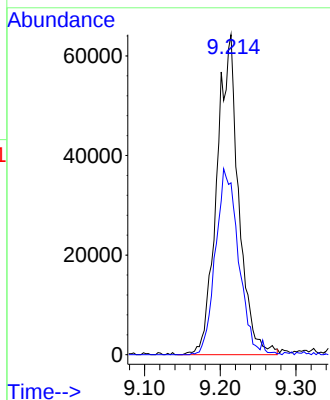
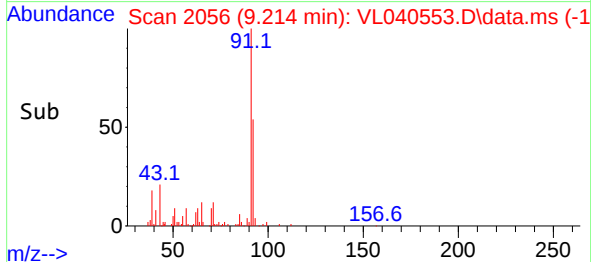
Instrument :
MSVOA_L
ClientSampleId :
SV-23-20230721DL



Tgt Ion: 91 Resp: 129350
Ion Ratio Lower Upper
91 100
92 61.2 49.1 73.7

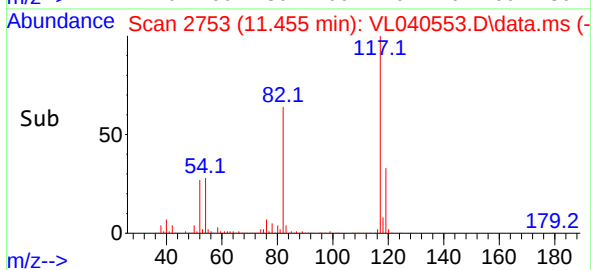
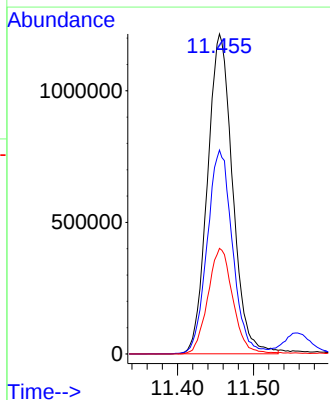
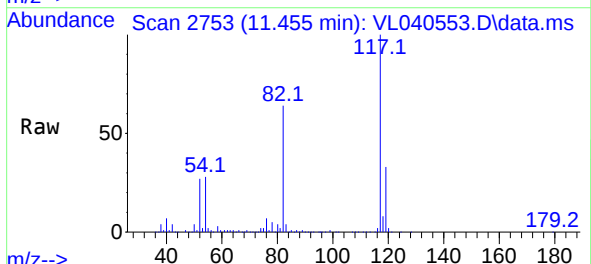
Manual Integrations
APPROVED

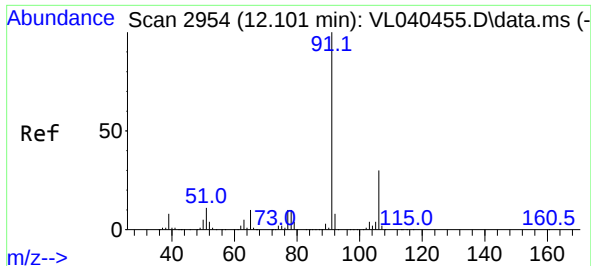
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.023 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

Tgt Ion:117 Resp: 2787008
Ion Ratio Lower Upper
117 100
82 64.6 50.2 75.4
119 33.3 26.9 40.3





#58

Ethyl Benzene

Concen: 0.242 ppbv

RT: 12.079 min Scan# 2947

Delta R.T. -0.023 min

Lab File: VL040553.D

Acq: 26 Jul 2023 23:20

Instrument :

MSVOA_L

ClientSampleId :

SV-23-20230721DL

Tgt Ion: 91 Resp: 8448

Ion Ratio Lower Upper

91 100

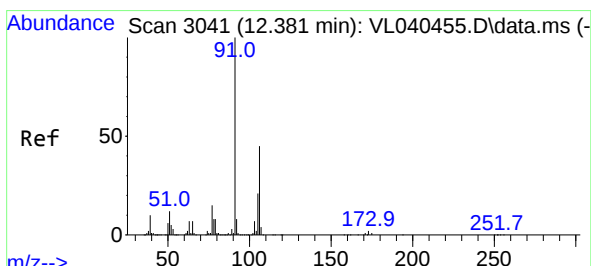
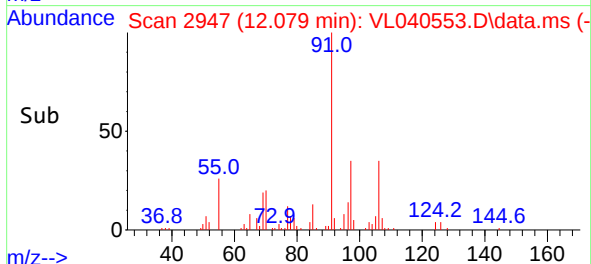
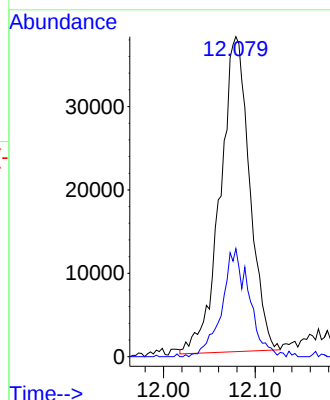
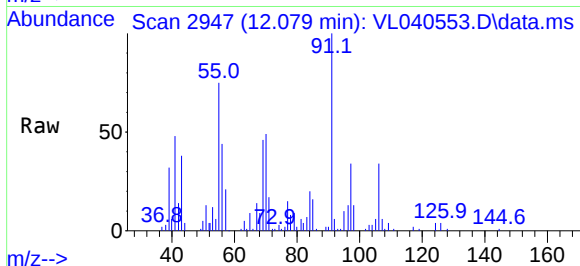
106 34.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023

Supervised By :Mahesh Dadoda 07/27/2023



#59

m/p-Xylene

Concen: 0.359 ppbv m

RT: 12.336 min Scan# 3027

Delta R.T. -0.048 min

Lab File: VL040553.D

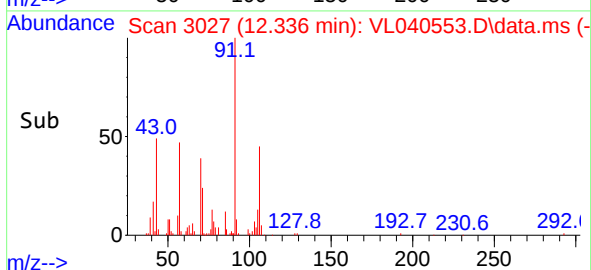
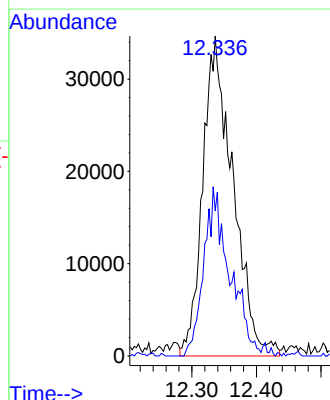
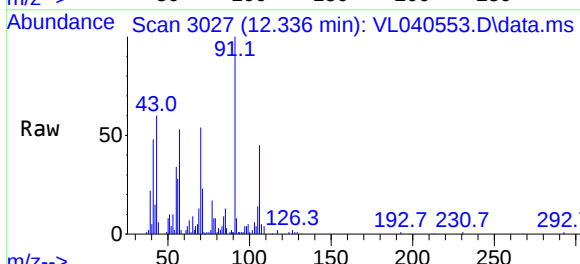
Acq: 26 Jul 2023 23:20

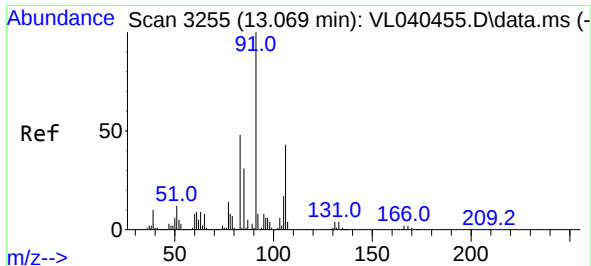
Tgt Ion: 91 Resp: 111991

Ion Ratio Lower Upper

91 100

106 0.0 35.9 53.9#





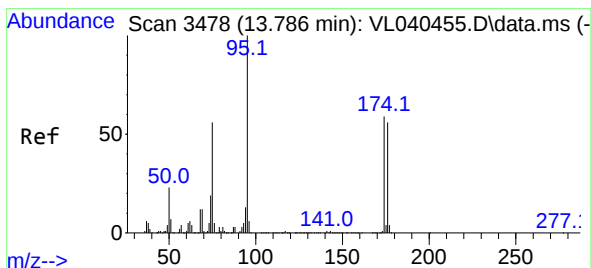
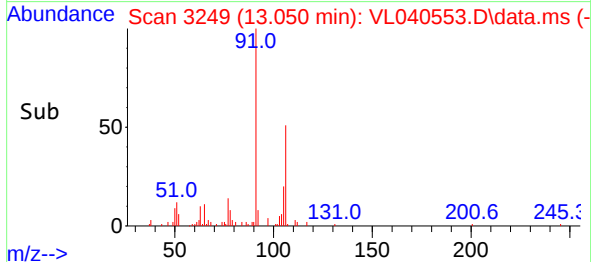
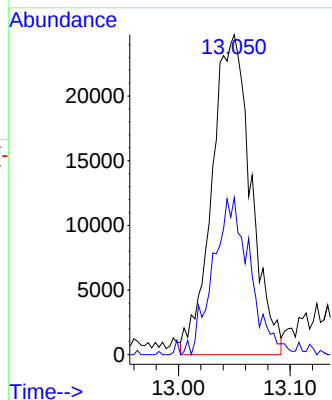
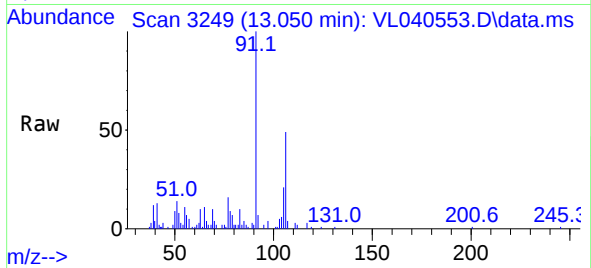
#60
o-Xylene
Concen: 0.202 ppbv m
RT: 13.050 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

Instrument :
MSVOA_L
ClientSampleId :
SV-23-20230721DL

Tgt Ion: 91 Resp: 60028
Ion Ratio Lower Upper
91 100
106 0.0 22.7 68.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.271 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.016 min
Lab File: VL040553.D
Acq: 26 Jul 2023 23:20

Tgt Ion: 95 Resp: 2265518
Ion Ratio Lower Upper
95 100
174 61.6 50.6 75.8
175 4.4 3.7 5.5

