

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040474.D
 Acq On : 15 Jun 2023 19:38
 Operator : SY/MD
 Sample : 03250-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2023
 Supervised By :Mahesh Dadoda 06/16/2023

Quant Time: Jun 16 05:39:57 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1111950	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.664	114	3018615	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2751038	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	3194976	14.071	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	140.700%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	24377	0.101	ppbv	94
9) Propene	2.706	41	218112	3.884	ppbv #	66
10) Heptane	7.593	43	227706m	1.791	ppbv	
13) Ethanol	3.246	45	29016m	2.495	ppbv	
15) Acetone	3.465	43	6198886	46.220	ppbv #	87
17) tert-Butyl alcohol	3.886	59	224762	2.039	ppbv	98
19) Isopropyl Alcohol	3.581	45	105979	1.639	ppbv #	90
20) Methylene Chloride	3.938	84	81037	1.416	ppbv	97
26) Hexane	5.221	57	7595507	66.003	ppbv #	41
30) Cyclohexane	6.616	84	161910	1.746	ppbv	96
34) 2-Butanone	4.790	43	1338541	9.196	ppbv	98
44) 2,2,4-Trimethylpentane	7.339	57	46614	0.119	ppbv #	43
52) Tetrachloroethene	10.635	164	28733m	0.381	ppbv	
53) Toluene	9.233	91	128735	0.509	ppbv	97
58) Ethyl Benzene	12.114	91	185565	0.557	ppbv	93
59) m/p-Xylene	12.365	91	674901m	2.203	ppbv	
60) o-Xylene	13.088	91	357709	1.231	ppbv	91
62) Isopropylbenzene	14.050	105	77755	0.180	ppbv	99
72) 4-Ethyltoluene	15.220	105	282130	0.862	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.378	105	347756	1.202	ppbv	98
74) 1,2,4-Trimethylbenzene	16.127	105	723787	2.127	ppbv #	69

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

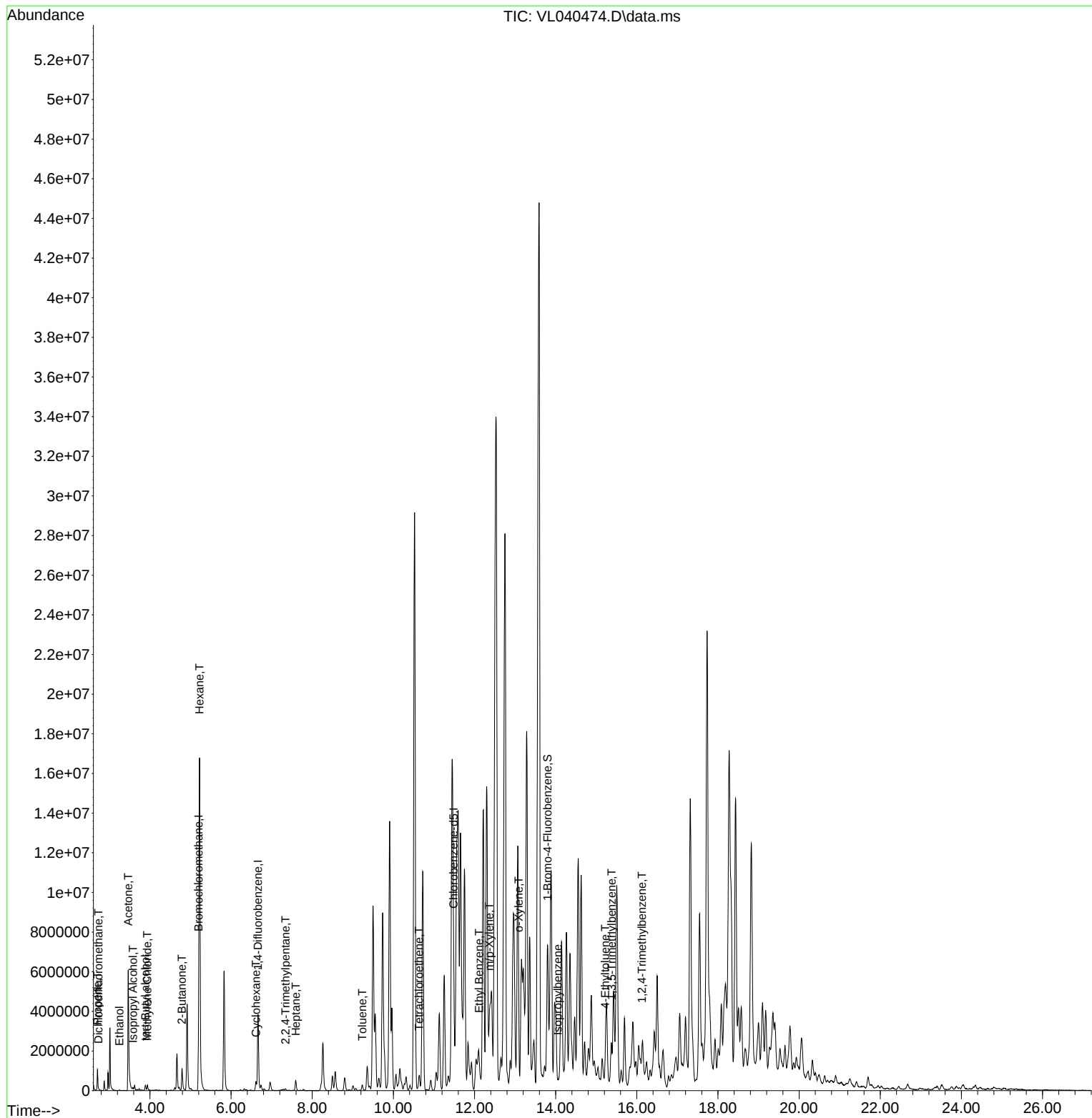
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
Data File : VL040474.D
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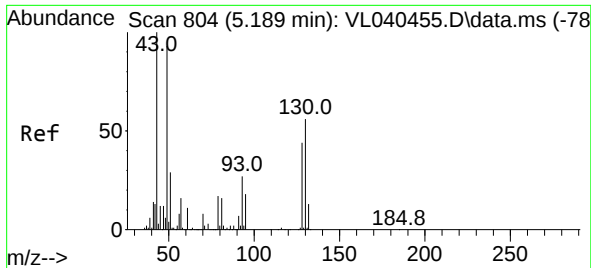
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

Quant Time: Jun 16 05:39:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

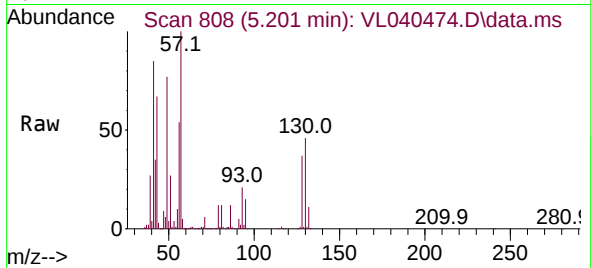
Reviewed By : Semsettin Yesilyurt 06/16/2023
Supervised By : Mahesh Dadoda 06/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 804
Delta R.T. 0.012 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

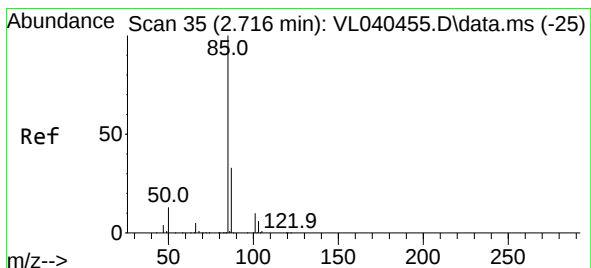
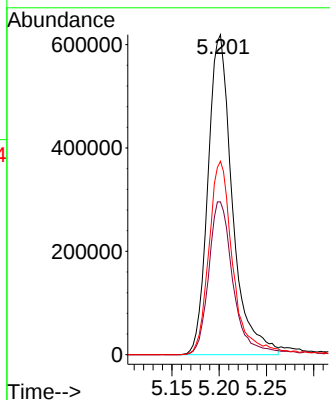
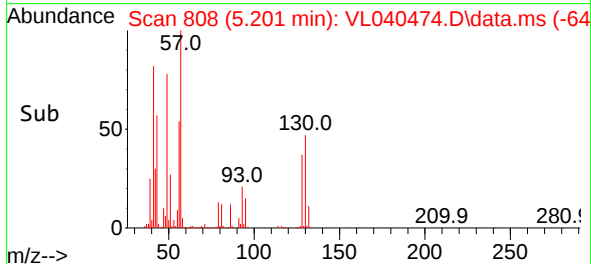
Instrument :
MSVOA_L
ClientSampleId :
SVP-03



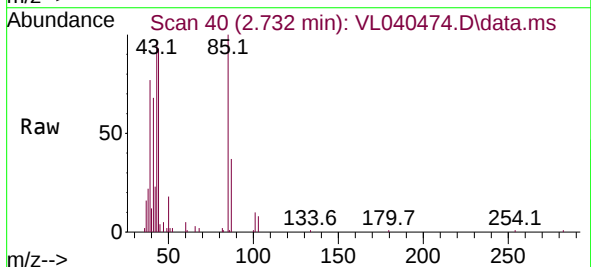
Tgt Ion: 49 Resp: 1111950
Ion Ratio Lower Upper
49 100
128 48.8 24.7 74.1
130 61.2 31.4 94.2

Manual Integrations
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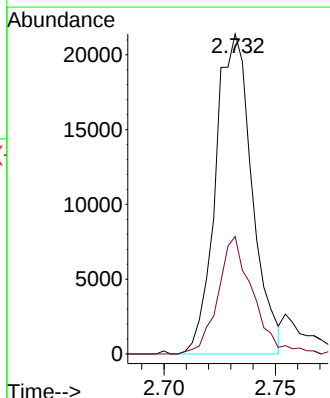
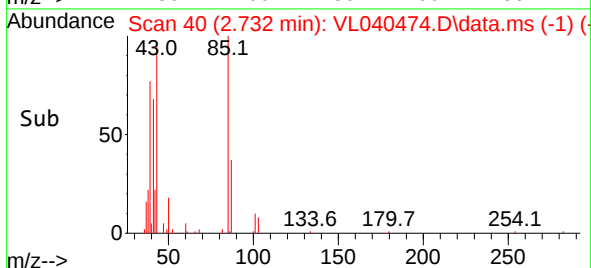
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

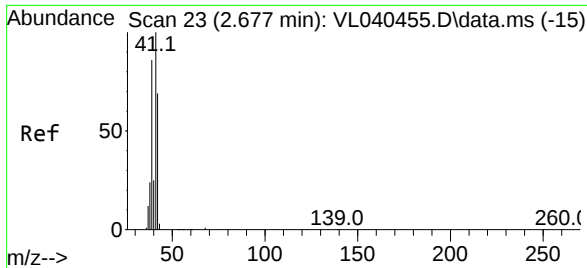


#2
Dichlorodifluoromethane
Concen: 0.101 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.016 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38



Tgt Ion: 85 Resp: 24377
Ion Ratio Lower Upper
85 100
87 36.7 26.6 39.8





#9

Propene

Concen: 3.884 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.029 min

Lab File: VL040474.D

Acq: 15 Jun 2023 19:38

Instrument :

MSVOA_L

ClientSampleId :

SVP-03

Tgt Ion: 41 Resp: 21811

Ion Ratio Lower Upper

41 100

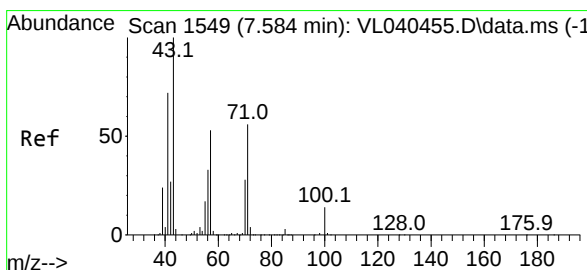
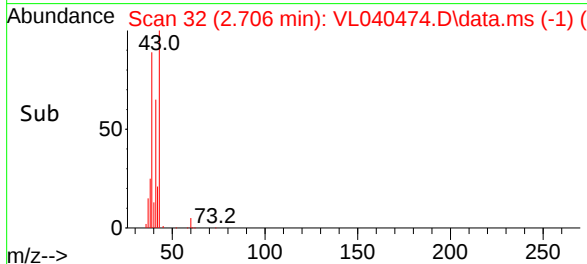
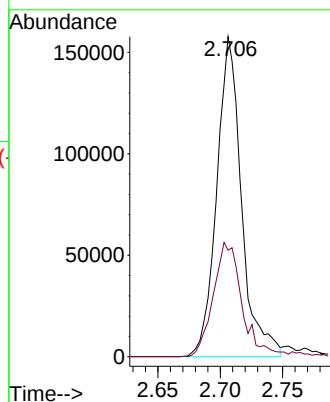
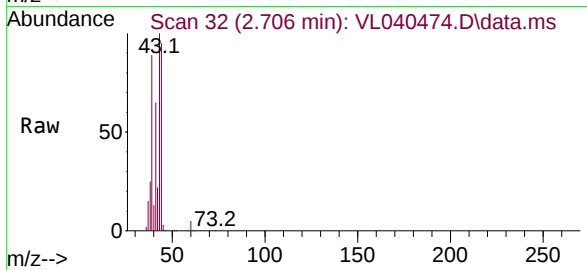
42 42.6 56.2 84.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2023

Supervised By :Mahesh Dadoda 06/16/2023



#10

Heptane

Concen: 1.791 ppbv m

RT: 7.593 min Scan# 1552

Delta R.T. 0.010 min

Lab File: VL040474.D

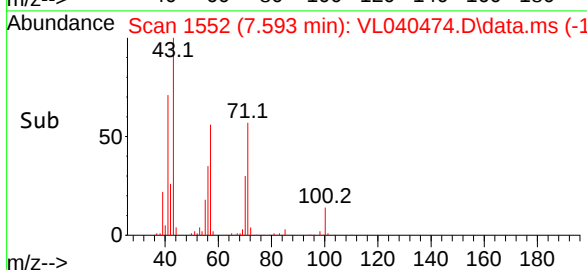
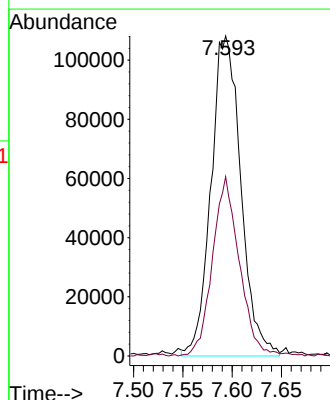
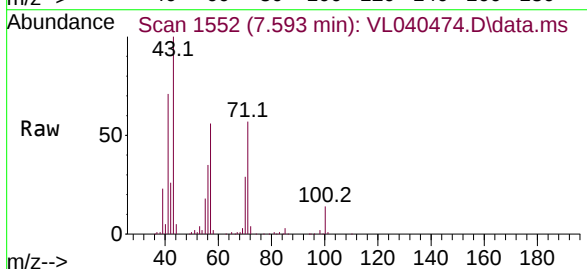
Acq: 15 Jun 2023 19:38

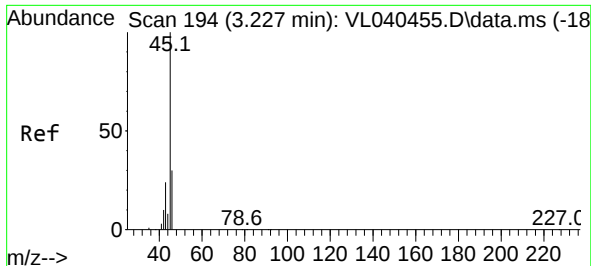
Tgt Ion: 43 Resp: 227706

Ion Ratio Lower Upper

43 100

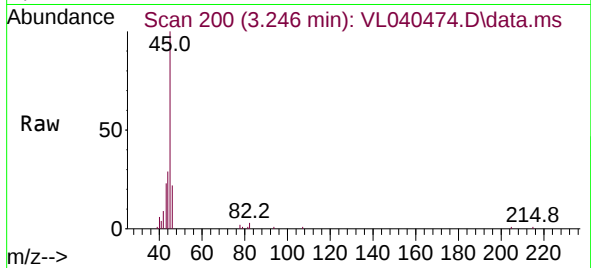
57 50.9 42.5 63.7





#13
Ethanol
Concen: 2.495 ppbv m
RT: 3.246 min Scan# 200
Delta R.T. 0.019 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

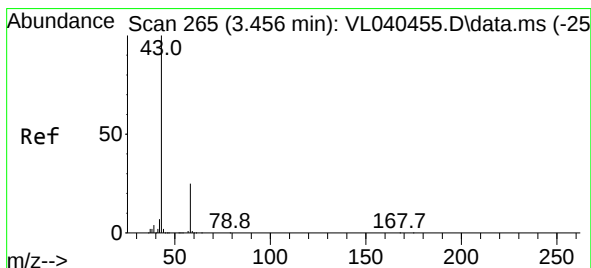
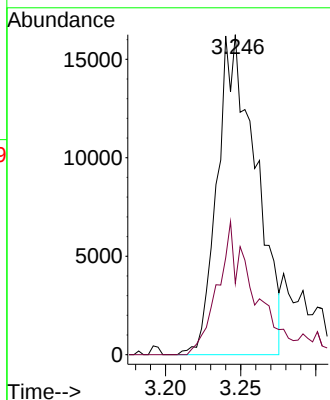
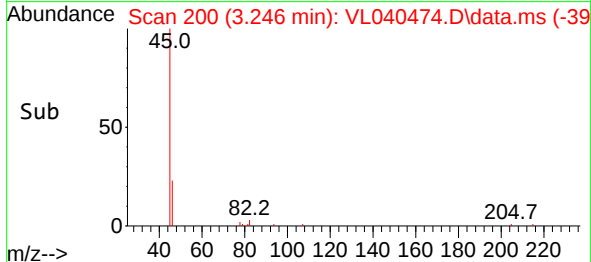
Instrument :
MSVOA_L
ClientSampleId :
SVP-03



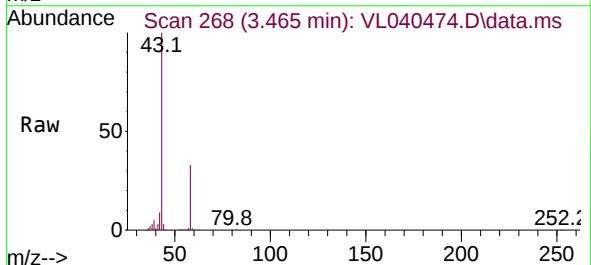
Tgt Ion: 45 Resp: 29010
Ion Ratio Lower Upper
45 100
46 43.8 14.5 58.1

Manual Integrations
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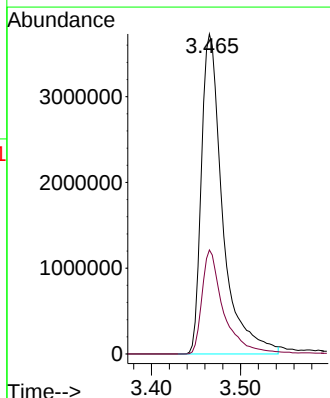
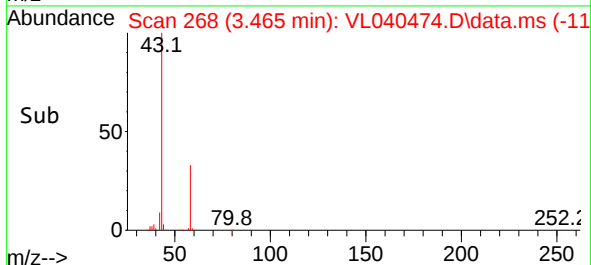
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

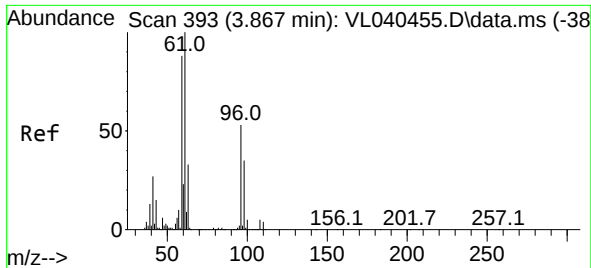


#15
Acetone
Concen: 46.220 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.009 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38



Tgt Ion: 43 Resp: 6198886
Ion Ratio Lower Upper
43 100
58 33.5 21.6 32.4#





#17

tert-Butyl alcohol

Concen: 2.039 ppbv

RT: 3.886 min Scan# 304

Delta R.T. 0.019 min

Lab File: VL040474.D

Acq: 15 Jun 2023 19:38

Instrument :

MSVOA_L

ClientSampleId :

SVP-03

Tgt Ion: 59 Resp: 224762

Ion Ratio Lower Upper

59 100

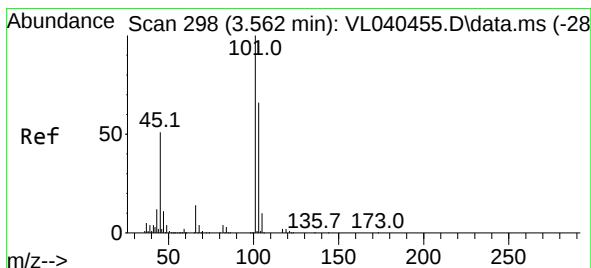
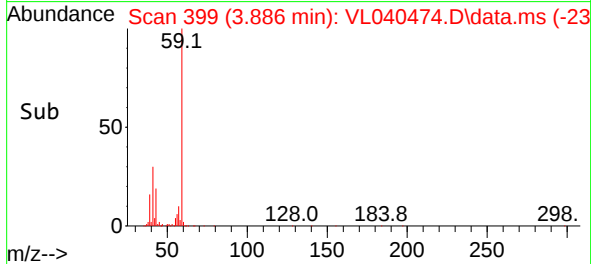
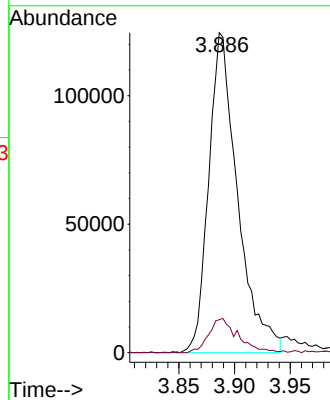
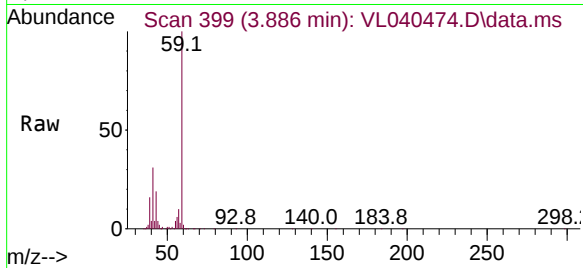
57 11.6 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2023

Supervised By :Mahesh Dadoda 06/16/2023



#19

Isopropyl Alcohol

Concen: 1.639 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.019 min

Lab File: VL040474.D

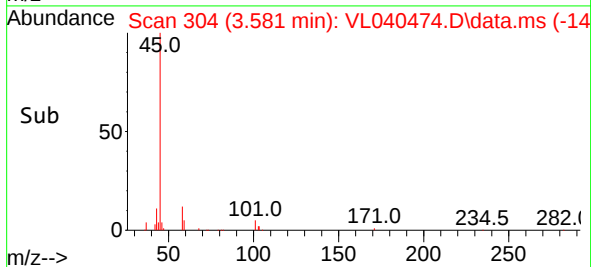
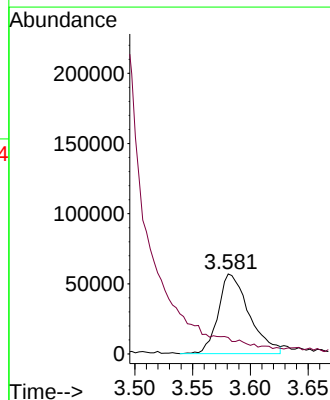
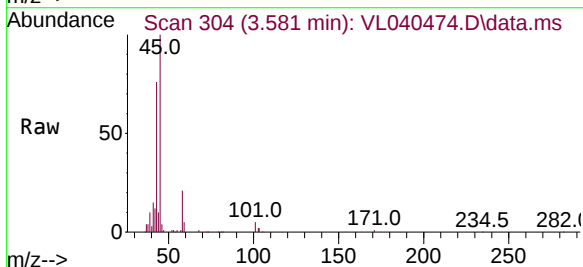
Acq: 15 Jun 2023 19:38

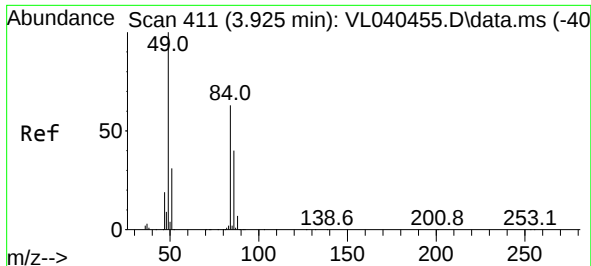
Tgt Ion: 45 Resp: 105979

Ion Ratio Lower Upper

45 100

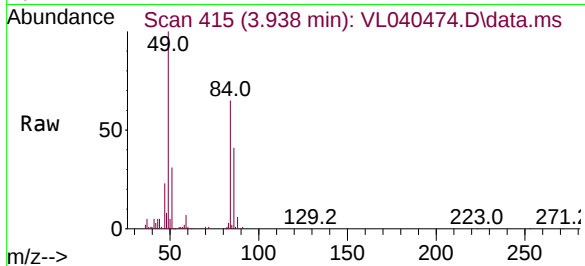
58 0.0 2.6 4.0#





#20
Methylene Chloride
Concen: 1.416 ppbv
RT: 3.938 min Scan# 411
Delta R.T. 0.013 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

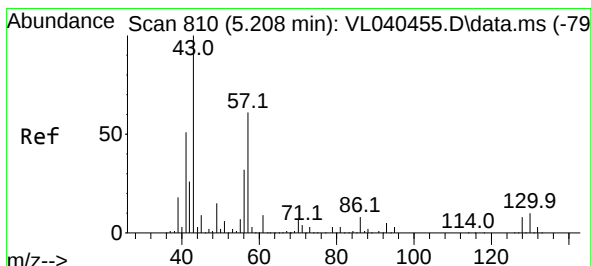
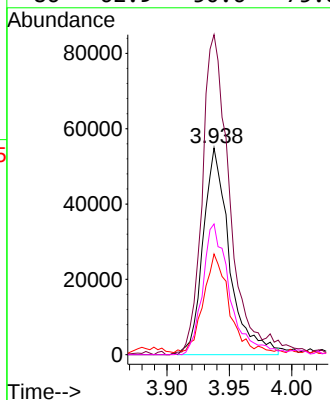
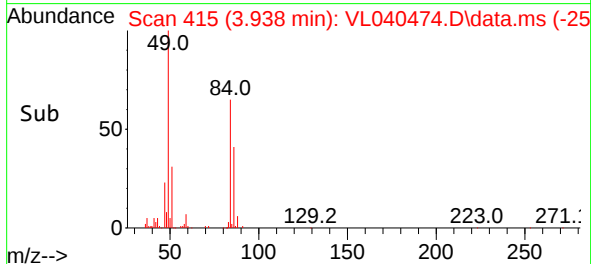
Instrument :
MSVOA_L
ClientSampleId :
SVP-03



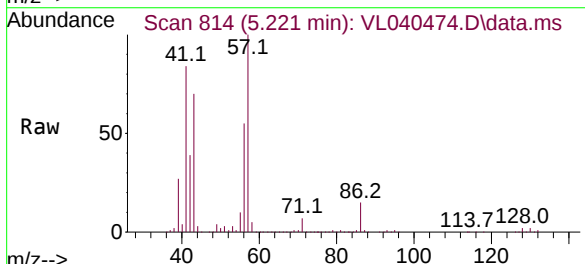
Tgt Ion: 84 Resp: 8103
Ion Ratio Lower Upper
84 100
49 153.5 126.2 189.2
51 46.3 38.7 58.1
86 62.9 50.6 75.8

Manual Integrations
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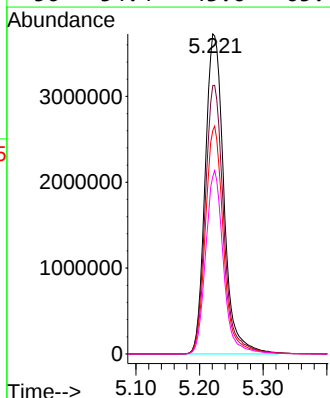
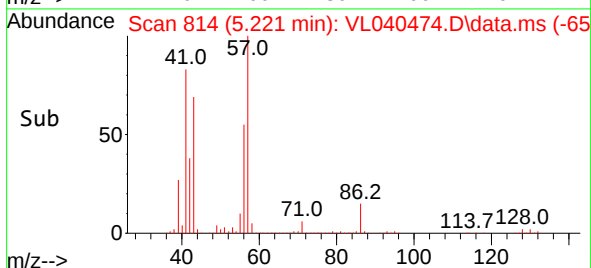
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

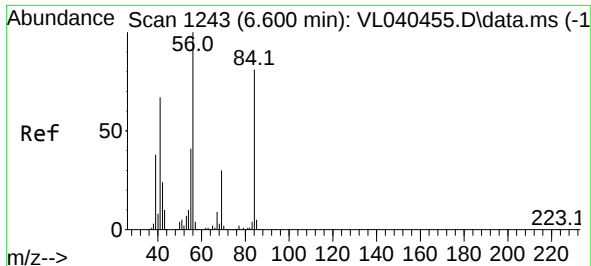


#26
Hexane
Concen: 66.003 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38



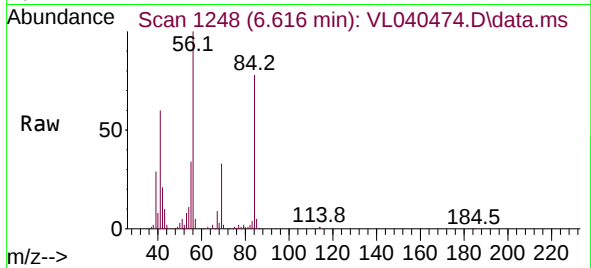
Tgt Ion: 57 Resp: 7595507
Ion Ratio Lower Upper
57 100
41 83.2 73.0 109.6
43 68.9 177.5 266.3#
56 54.4 43.6 65.4





#30
Cyclohexane
Concen: 1.746 ppbv
RT: 6.616 min Scan# 1243
Delta R.T. 0.016 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

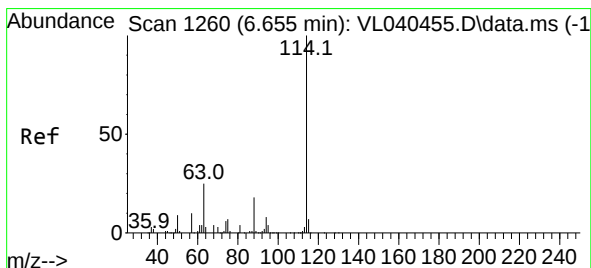
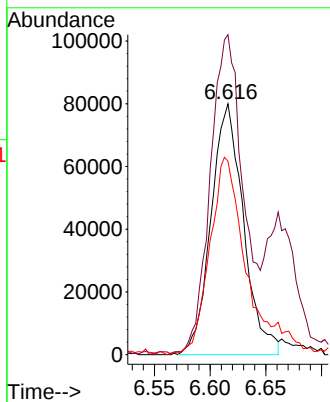
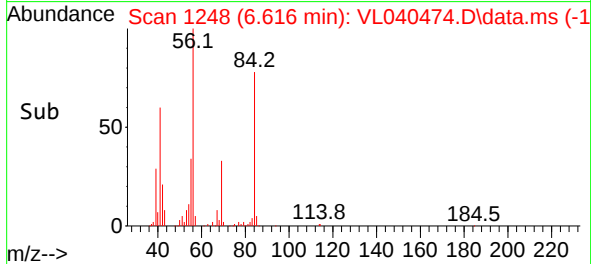
Instrument :
MSVOA_L
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Tgt Ion: 84 Resp: 161910
Ion Ratio Lower Upper
84 100
56 129.7 106.0 159.0
41 89.7 66.8 100.2

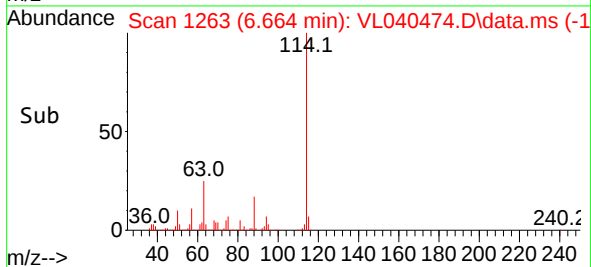
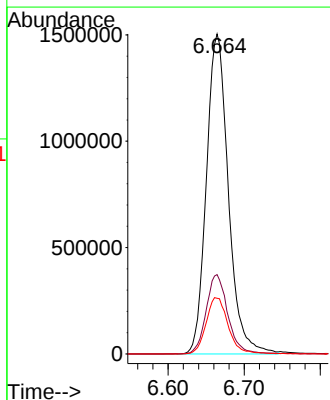
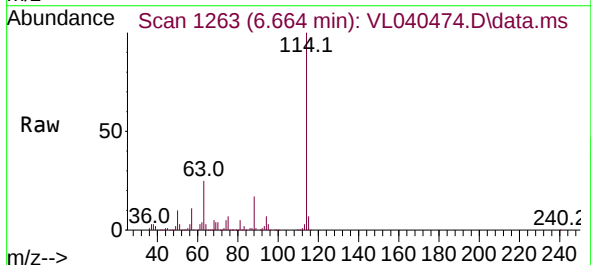
Manual Integrations
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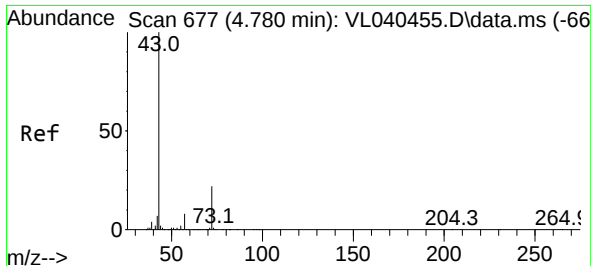
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

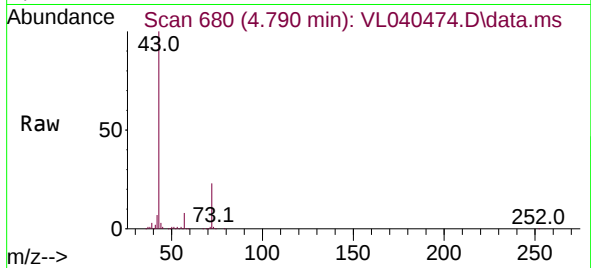
Tgt Ion:114 Resp: 3018615
Ion Ratio Lower Upper
114 100
63 24.7 21.0 31.6
88 17.8 14.5 21.7





#34
2-Butanone
Concen: 9.196 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

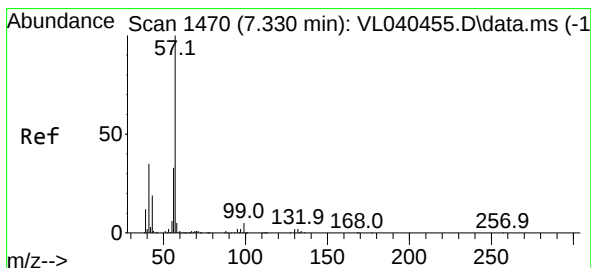
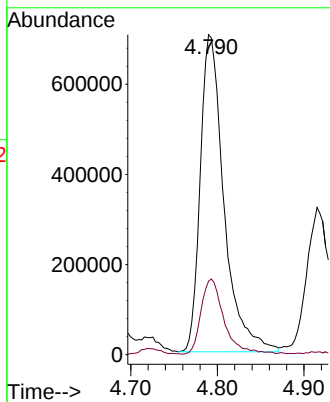
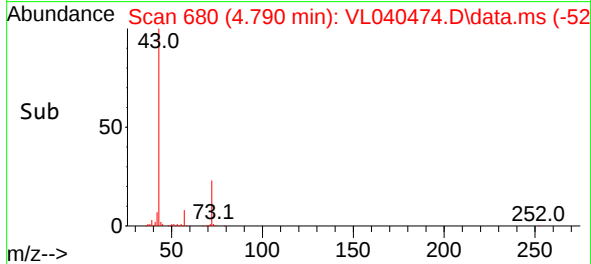
Instrument :
MSVOA_L
ClientSampleId :
SVP-03



Tgt Ion: 43 Resp: 133854
Ion Ratio Lower Upper
43 100
72 23.5 18.1 27.1

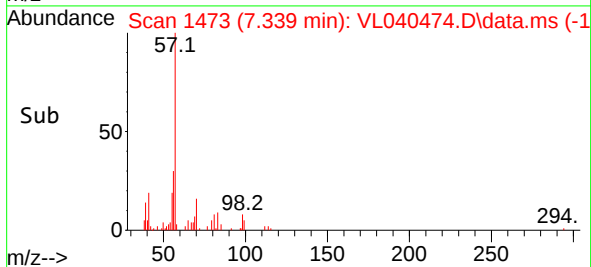
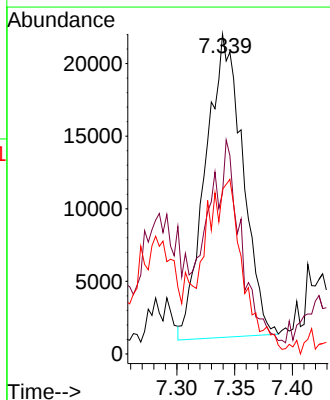
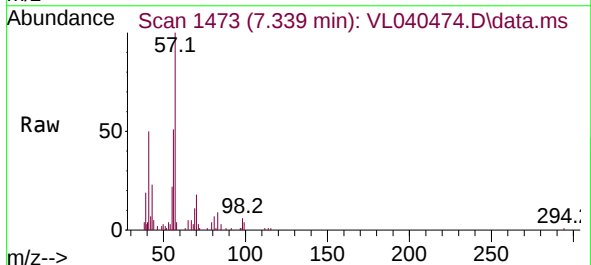
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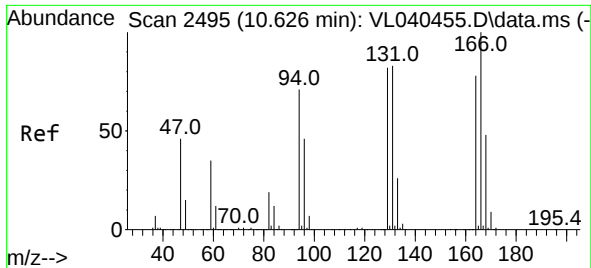
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#44
2,2,4-Trimethylpentane
Concen: 0.119 ppbv
RT: 7.339 min Scan# 1473
Delta R.T. 0.010 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

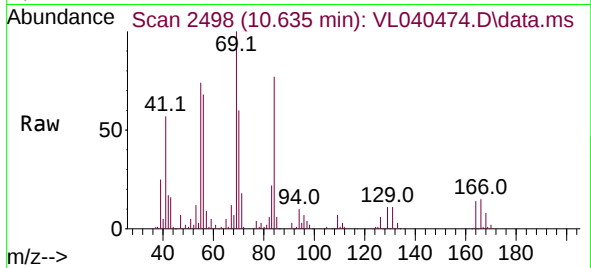
Tgt Ion: 57 Resp: 46614
Ion Ratio Lower Upper
57 100
41 68.8 27.8 41.8#
56 62.5 25.3 37.9#





#52
Tetrachloroethene
Concen: 0.381 ppbv m
RT: 10.635 min Scan# 2495
Delta R.T. 0.009 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

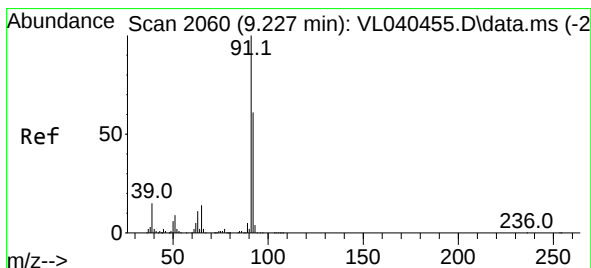
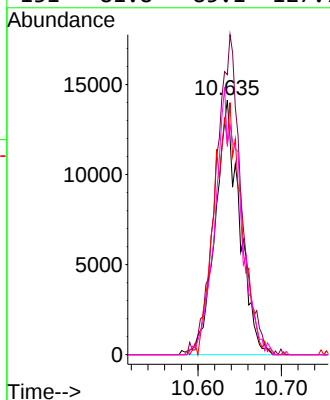
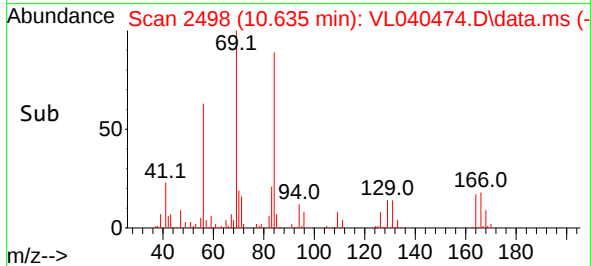
Instrument :
MSVOA_L
ClientSampleId :
SVP-03



Tgt Ion:164 Resp: 2873
Ion Ratio Lower Upper
164 100
166 110.0 102.7 154.1
129 82.8 84.6 126.8
131 81.8 85.1 127.7#

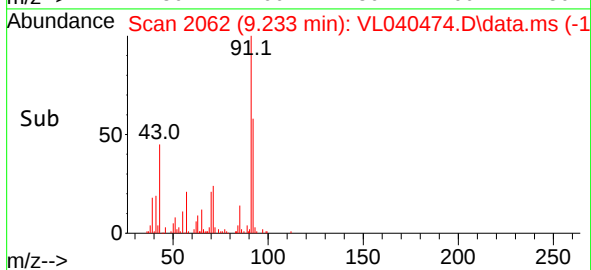
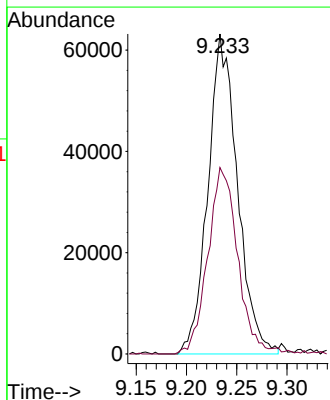
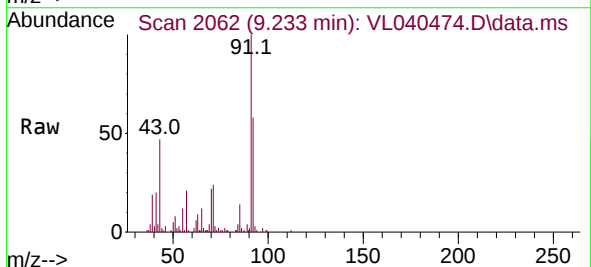
Manual Integrations
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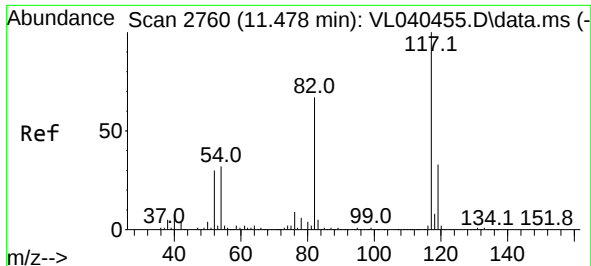
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#53
Toluene
Concen: 0.509 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

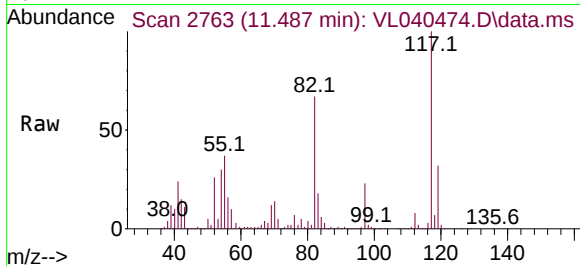
Tgt Ion: 91 Resp: 128735
Ion Ratio Lower Upper
91 100
92 59.2 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. 0.010 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

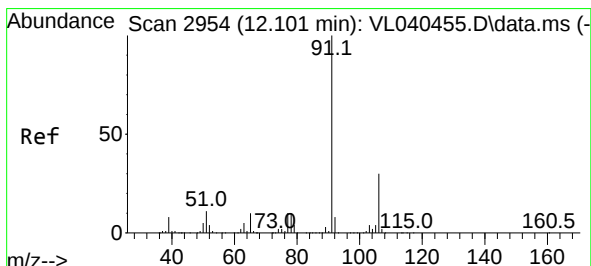
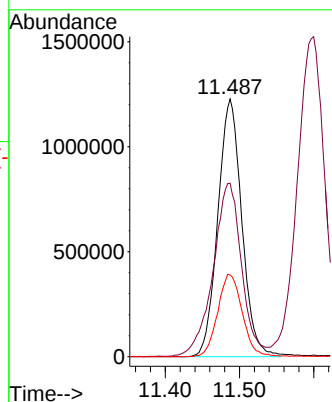
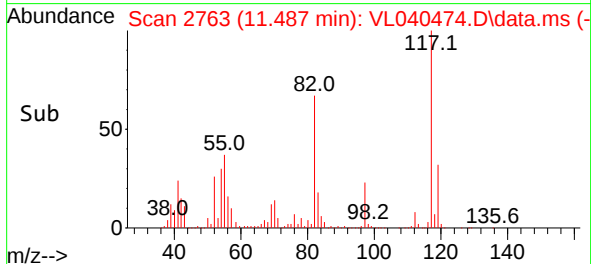
Instrument :
MSVOA_L
ClientSampleId :
SVP-03



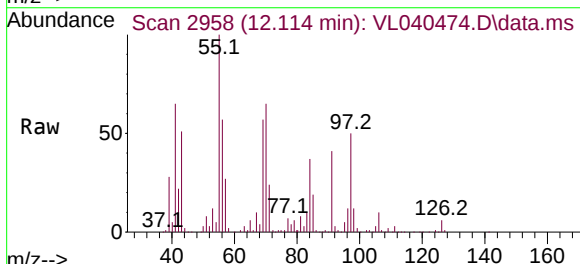
Tgt Ion:117 Resp: 2751038
Ion Ratio Lower Upper
117 100
82 80.8 53.0 79.4
119 33.1 24.4 36.6

Manual Integrations
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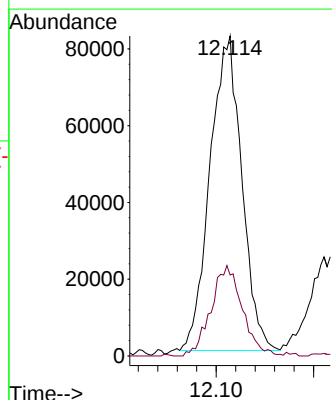
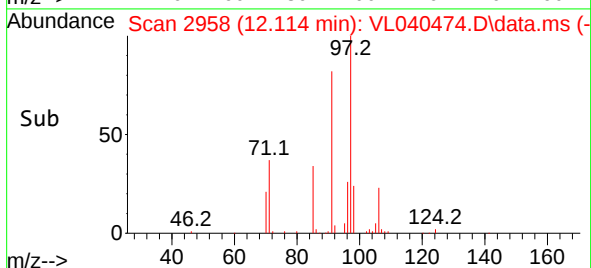
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

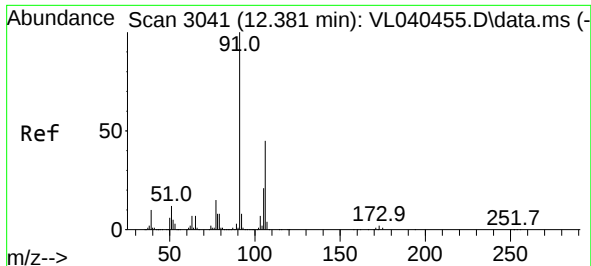


#58
Ethyl Benzene
Concen: 0.557 ppbv
RT: 12.114 min Scan# 2958
Delta R.T. 0.013 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38



Tgt Ion: 91 Resp: 185565
Ion Ratio Lower Upper
91 100
106 25.7 23.7 35.5





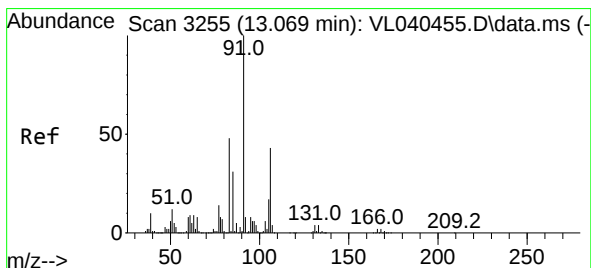
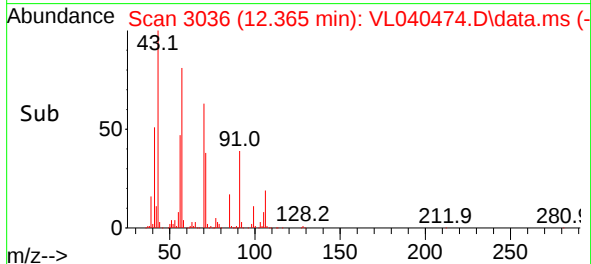
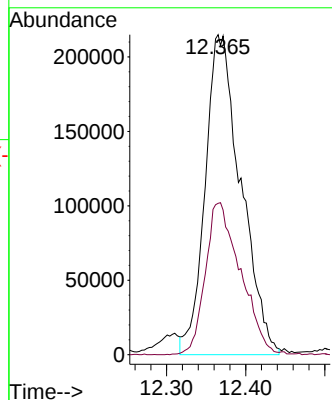
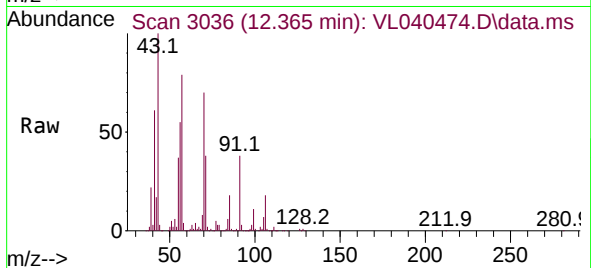
#59
m/p-Xylene
Concen: 2.203 ppbv m
RT: 12.365 min Scan# 3041
Delta R.T. -0.016 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

Instrument :
MSVOA_L
ClientSampleId :
SVP-03

Tgt Ion: 91 Resp: 67490
Ion Ratio Lower Upper
91 100
106 46.8 34.6 52.0

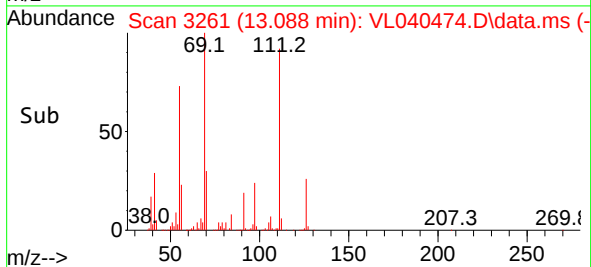
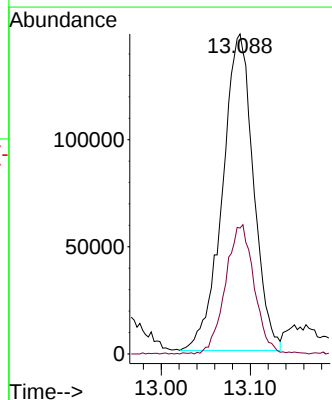
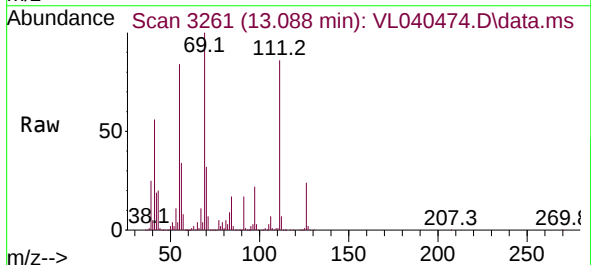
Manual Integrations
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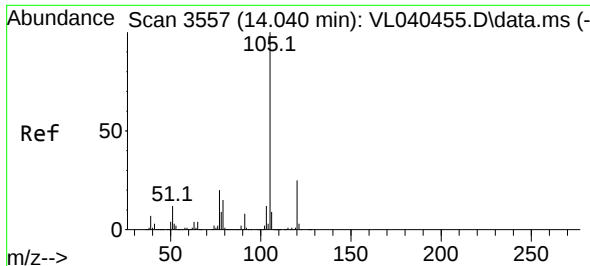
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#60
o-Xylene
Concen: 1.231 ppbv
RT: 13.088 min Scan# 3261
Delta R.T. 0.019 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

Tgt Ion: 91 Resp: 357709
Ion Ratio Lower Upper
91 100
106 38.0 22.1 66.1





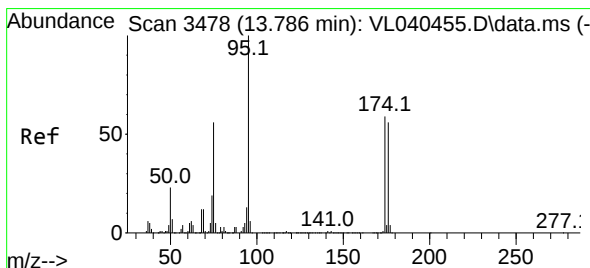
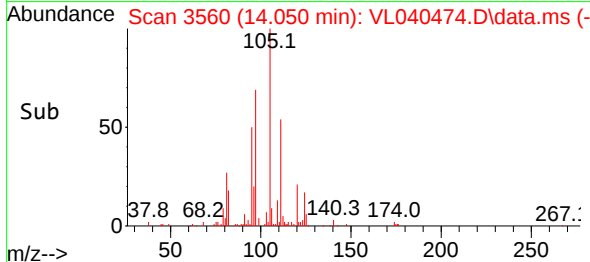
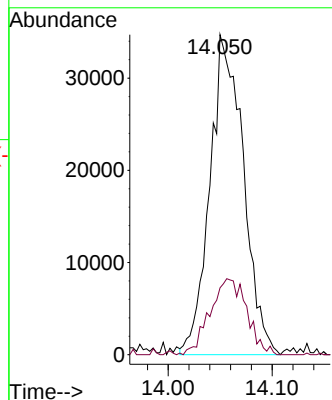
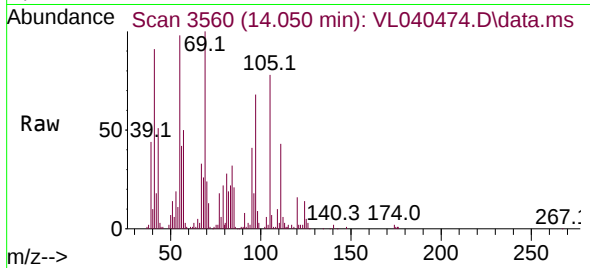
#62
Isopropylbenzene
Concen: 0.180 ppbv
RT: 14.050 min Scan# 31
Delta R.T. 0.009 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

Instrument :
MSVOA_L
ClientSampleId :
SVP-03

Tgt Ion:105 Resp: 7775
Ion Ratio Lower Upper
105 100
120 26.0 20.2 30.4

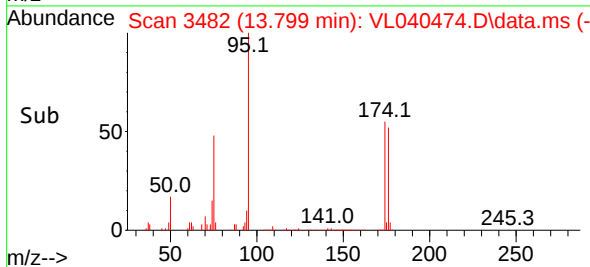
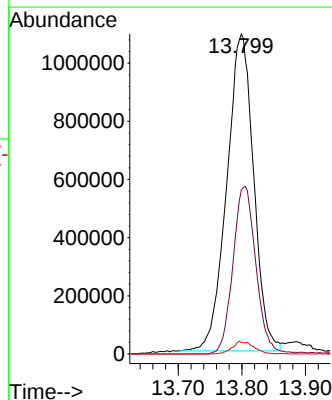
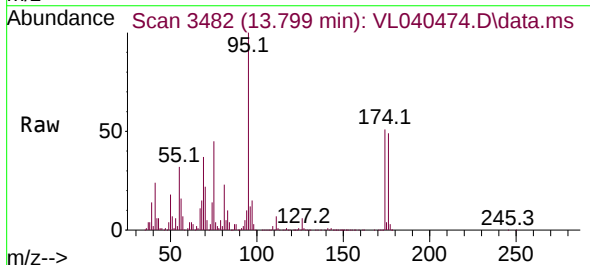
Manual Integrations
APPROVED

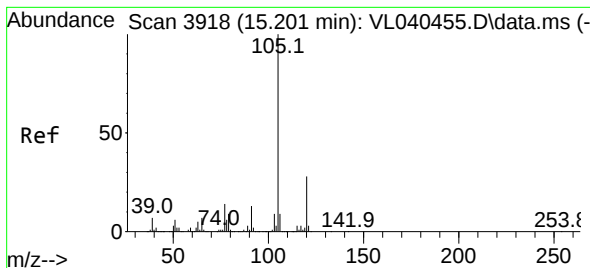
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 14.071 ppbv
RT: 13.799 min Scan# 3482
Delta R.T. 0.013 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

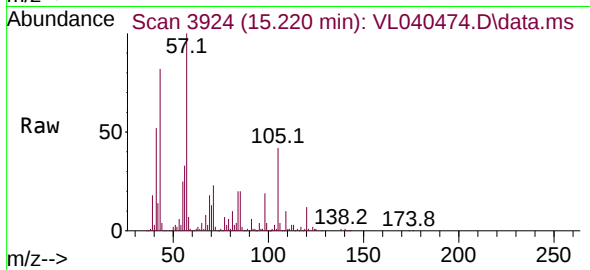
Tgt Ion: 95 Resp: 3194976
Ion Ratio Lower Upper
95 100
174 45.7 47.7 71.5#
175 3.2 3.5 5.3#





#72
4-Ethyltoluene
Concen: 0.862 ppbv
RT: 15.220 min Scan# 3918
Delta R.T. 0.019 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

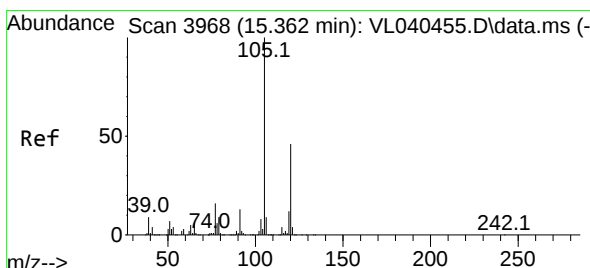
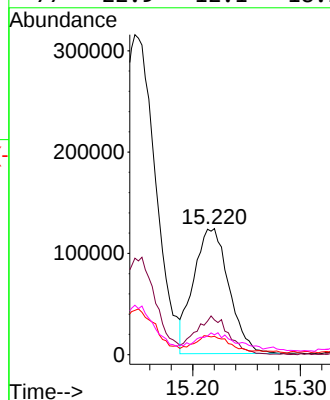
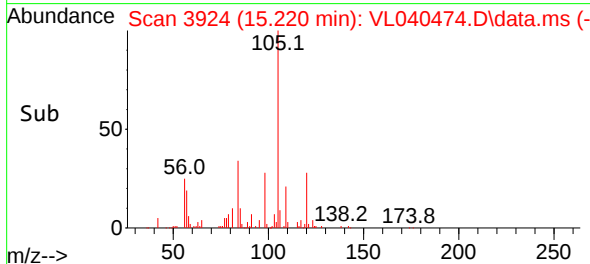
Instrument :
MSVOA_L
ClientSampleId :
SVP-03



Tgt Ion:105 Resp: 282130
Ion Ratio Lower Upper
105 100
120 29.9 23.4 35.0
91 13.3 11.1 16.7
77 22.9 12.1 18.1#

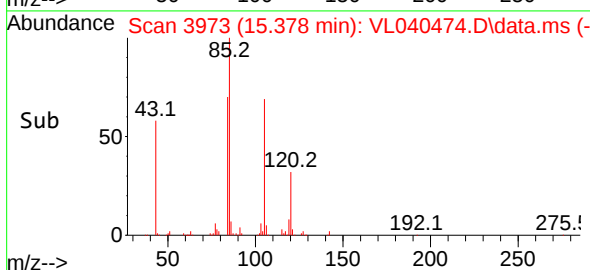
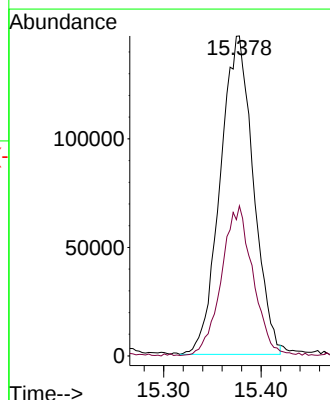
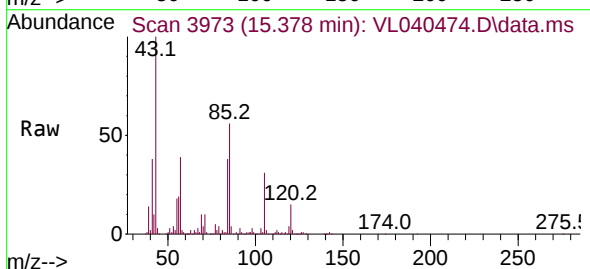
Manual Integrations
APPROVED

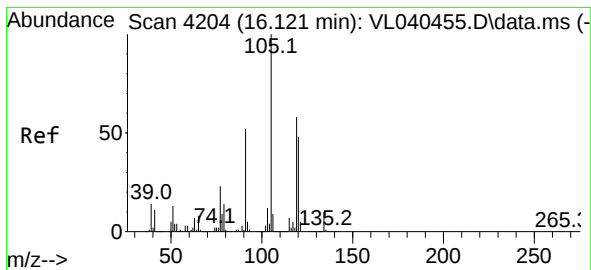
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#73
1,3,5-Trimethylbenzene
Concen: 1.202 ppbv
RT: 15.378 min Scan# 3973
Delta R.T. 0.016 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

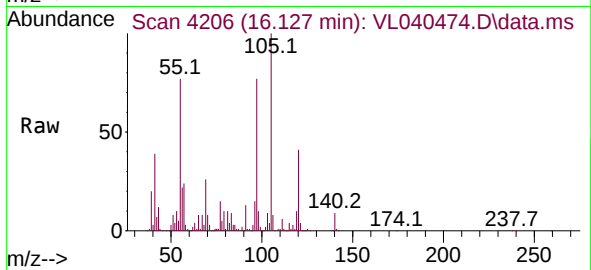
Tgt Ion:105 Resp: 347756
Ion Ratio Lower Upper
105 100
120 46.9 36.4 54.6





#74
1,2,4-Trimethylbenzene
Concen: 2.127 ppbv
RT: 16.127 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040474.D
Acq: 15 Jun 2023 19:38

Instrument :
MSVOA_L
ClientSampleId :
SVP-03



Tgt Ion:	105	Resp:	72378
Ion Ratio	Lower	Upper	
105	100		
120	40.9	38.4	57.6
91	12.6	41.3	61.9
77	13.4	18.6	28.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

