

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040476.D
 Acq On : 15 Jun 2023 21:01
 Operator : SY/MD
 Sample : 03250-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 05:40:58 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	5.198	49	1150330	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3013101	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2703165	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 2119971 9.502 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	1222204	4.882	ppbv	100
9) Propene	2.697	41	98087	1.688	ppbv	99
11) Trichlorofluoromethane	3.565	101	100304	0.492	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.070	101	99014	0.695	ppbv	89
13) Ethanol	3.243	45	99456	8.266	ppbv	99
15) Acetone	3.468	43	1121961	8.086	ppbv #	14
17) tert-Butyl alcohol	3.883	59	714596	6.265	ppbv	99
20) Methylene Chloride	3.938	84	368312	6.220	ppbv	97
26) Hexane	5.221	57	406225	3.412	ppbv #	43
30) Cyclohexane	6.610	84	51926	0.541	ppbv	90
34) 2-Butanone	4.790	43	2731890	18.802	ppbv	98
36) Benzene	6.378	78	62709m	0.262	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	101037	0.258	ppbv #	88
51) 2-Hexanone	9.565	43	524766	3.884	ppbv	93
52) Tetrachloroethene	10.626	164	377588	5.018	ppbv	93
53) Toluene	9.233	91	82712	0.328	ppbv	98
58) Ethyl Benzene	12.101	91	49782	0.152	ppbv	99
59) m/p-Xylene	12.352	91	148095m	0.492	ppbv	
60) o-Xylene	13.069	91	92022m	0.322	ppbv	
73) 1,3,5-Trimethylbenzene	15.365	105	50542m	0.178	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	207590	0.621	ppbv #	65

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

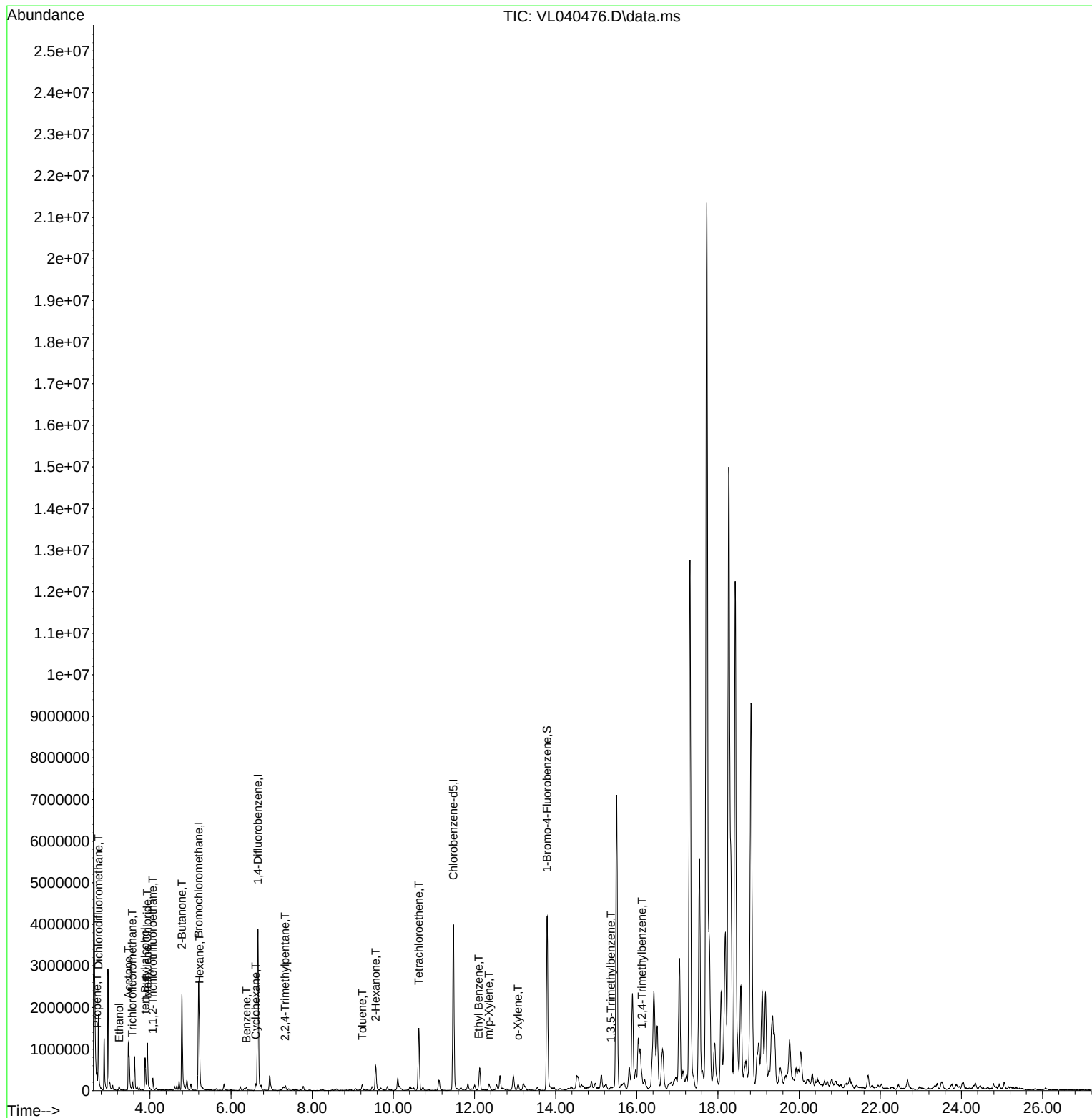
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
Data File : VL040476.D
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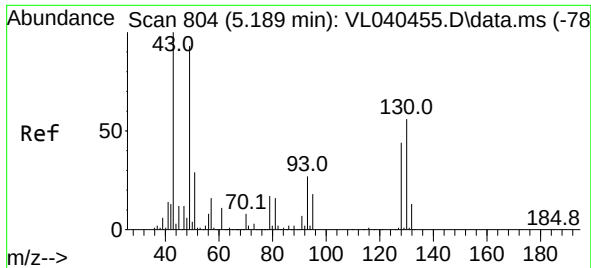
Instrument :
MSVOA_L
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SVP-04

Quant Time: Jun 16 05:40:58 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

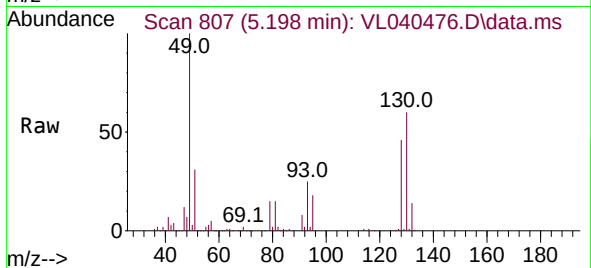
Reviewed By : Semsettin Yesilyurt 06/16/2023
Supervised By : Mahesh Dadoda 06/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

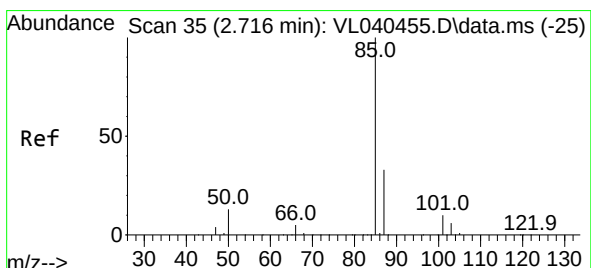
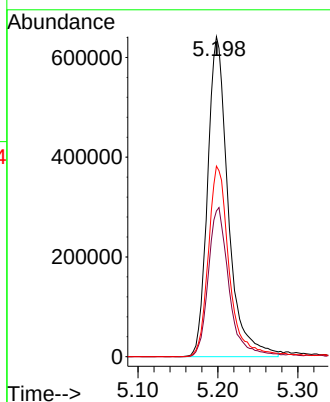
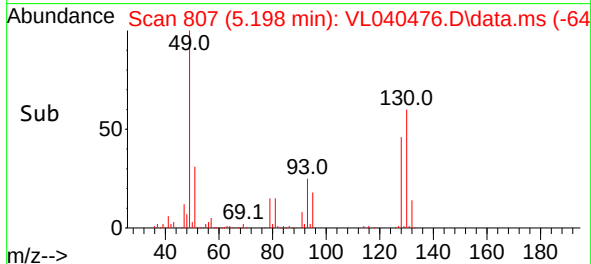
Instrument :
MSVOA_L
ClientSampleId :
SVP-04



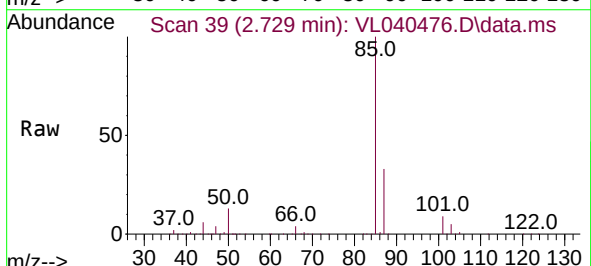
Tgt Ion: 49 Resp: 1150330
Ion Ratio Lower Upper
49 100
128 47.4 24.7 74.1
130 60.9 31.4 94.2

Manual Integrations
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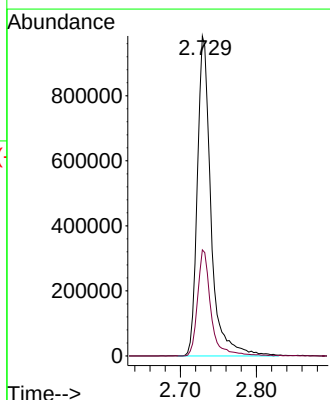
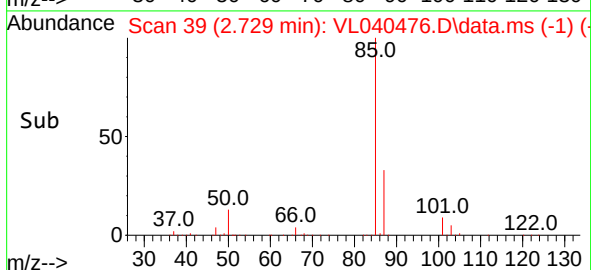
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Supervised By :Mahesh Dadoda 06/16/2023

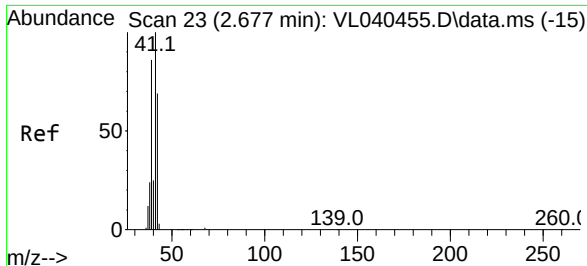


#2
Dichlorodifluoromethane
Concen: 4.882 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01



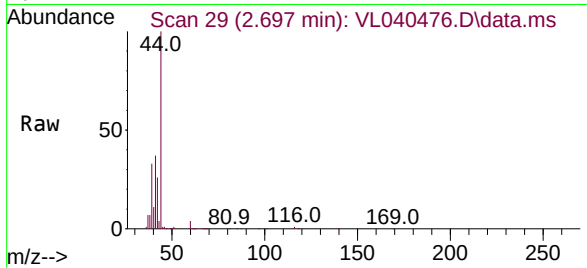
Tgt Ion: 85 Resp: 1222204
Ion Ratio Lower Upper
85 100
87 33.1 26.6 39.8





#9
Propene
Concen: 1.688 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.019 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

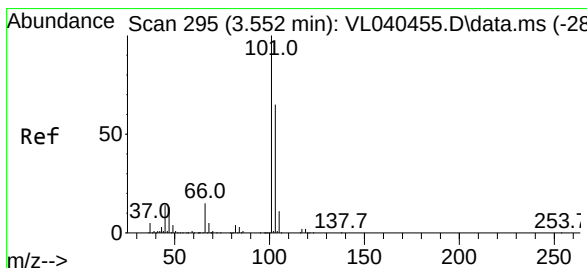
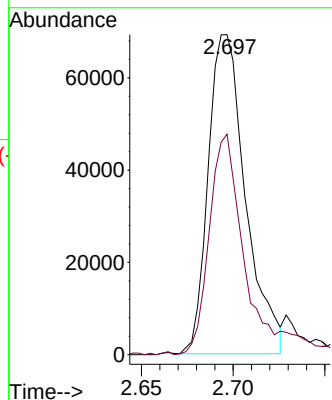
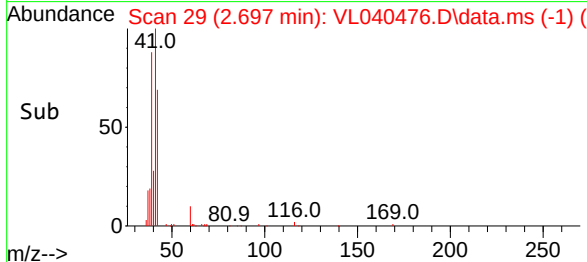
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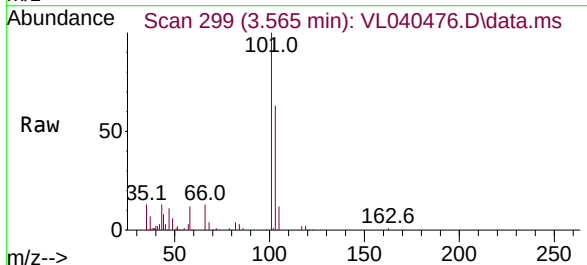
Tgt Ion: 41 Resp: 9808
Ion Ratio Lower Upper
41 100
42 69.5 56.2 84.2

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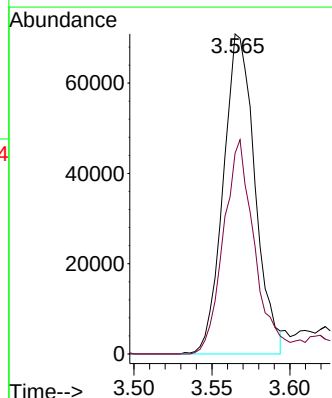
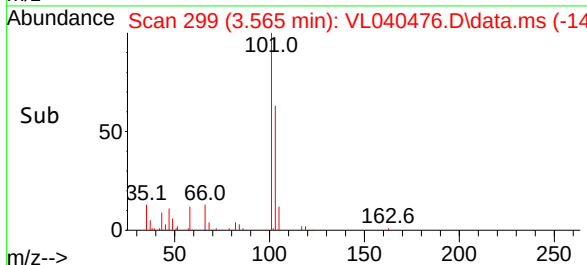
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

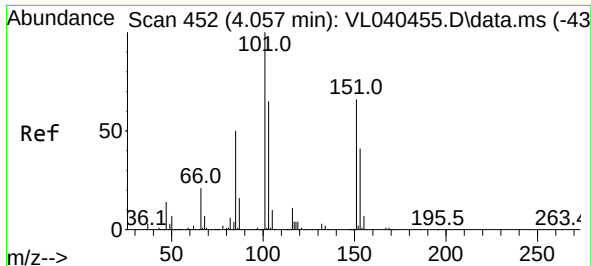


#11
Trichlorofluoromethane
Concen: 0.492 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.013 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01



Tgt Ion:101 Resp: 100304
Ion Ratio Lower Upper
101 100
103 62.8 51.7 77.5





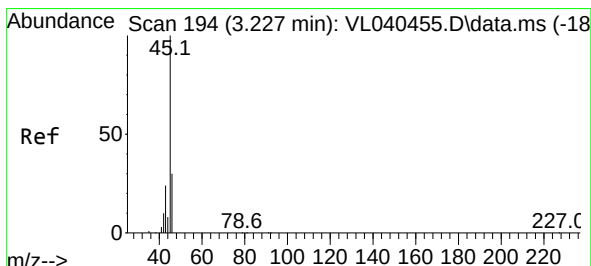
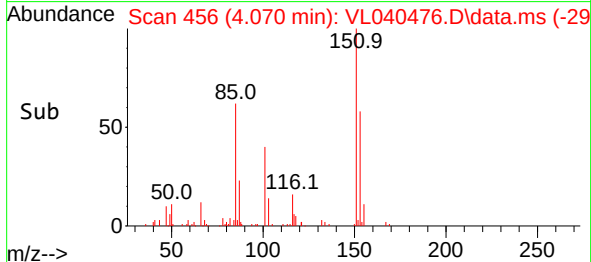
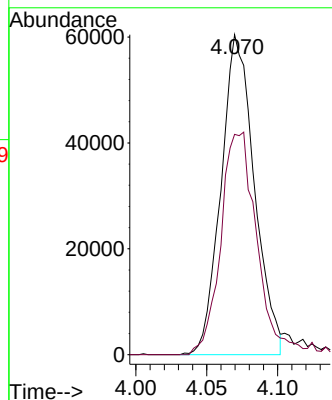
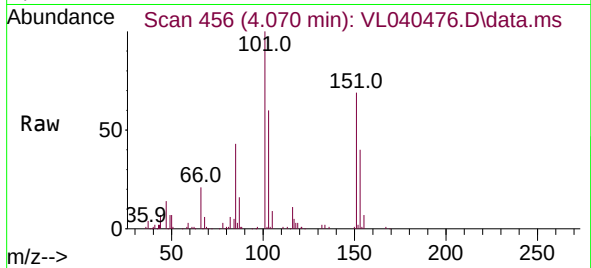
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.695 ppbv
RT: 4.070 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-04

Tgt Ion:101 Resp: 99014
Ion Ratio Lower Upper
101 100
151 76.7 54.3 81.5

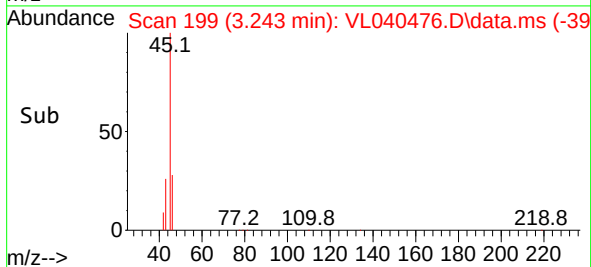
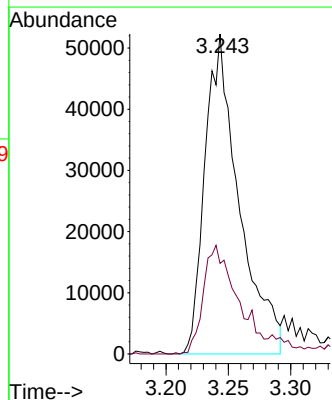
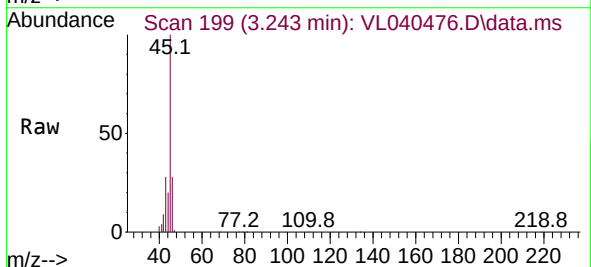
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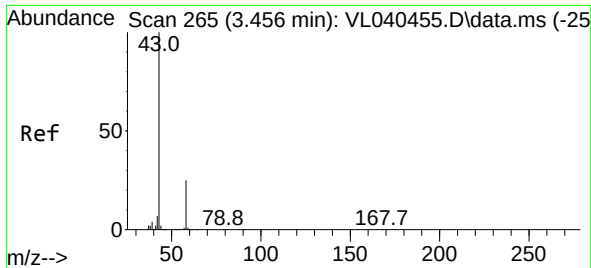
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#13
Ethanol
Concen: 8.266 ppbv
RT: 3.243 min Scan# 199
Delta R.T. 0.016 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

Tgt Ion: 45 Resp: 99456
Ion Ratio Lower Upper
45 100
46 37.1 14.5 58.1





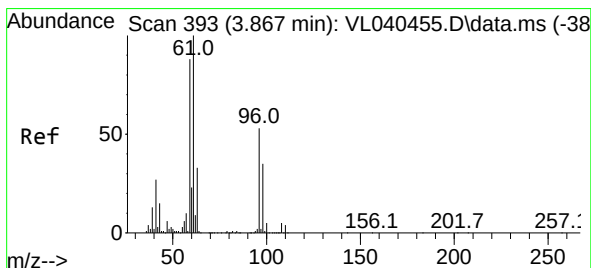
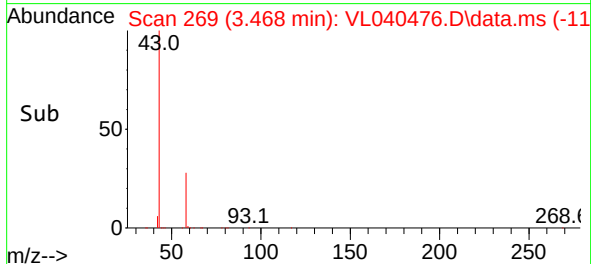
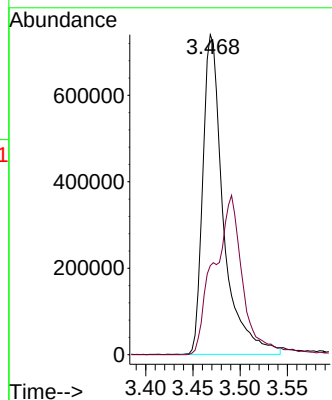
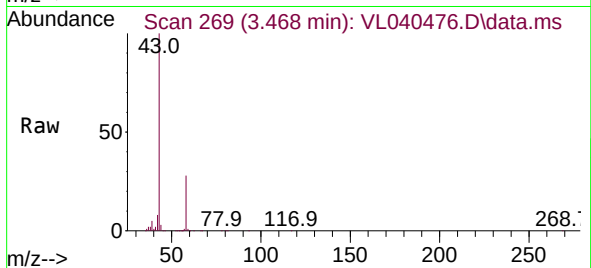
#15
Acetone
Concen: 8.086 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-04

Tgt Ion: 43 Resp: 112196
Ion Ratio Lower Upper
43 100
58 71.5 21.6 32.4

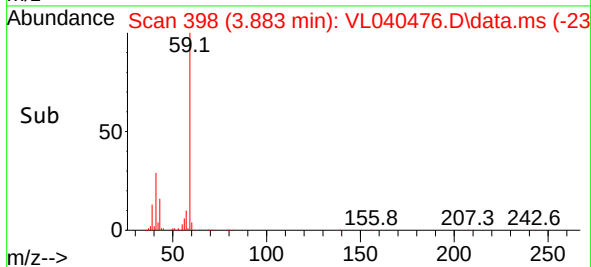
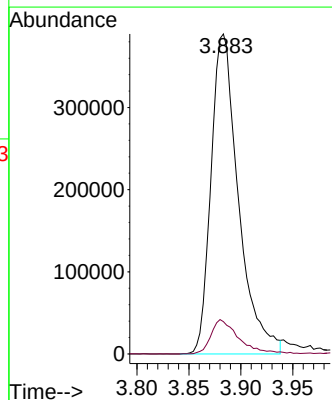
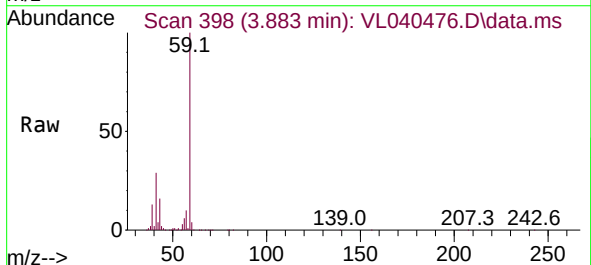
Manual Integrations
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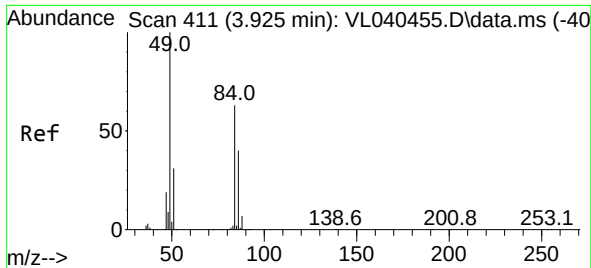
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#17
tert-Butyl alcohol
Concen: 6.265 ppbv
RT: 3.883 min Scan# 398
Delta R.T. 0.016 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

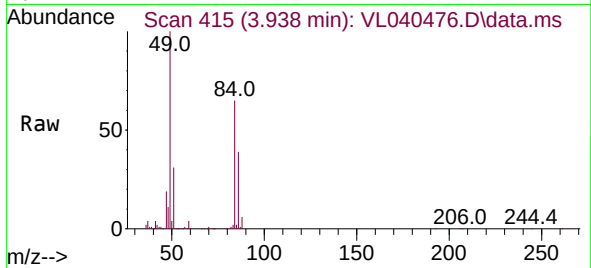
Tgt Ion: 59 Resp: 714596
Ion Ratio Lower Upper
59 100
57 11.4 8.8 13.2





#20
Methylene Chloride
Concen: 6.220 ppbv
RT: 3.938 min Scan# 411
Delta R.T. 0.013 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

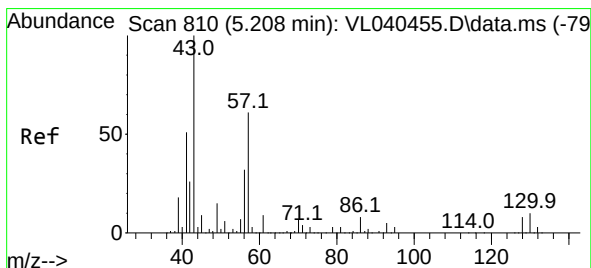
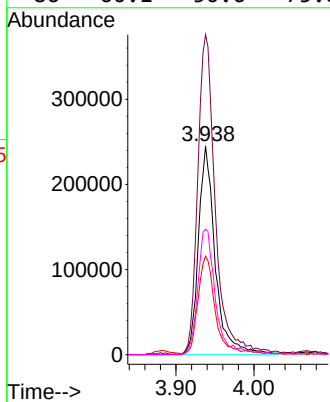
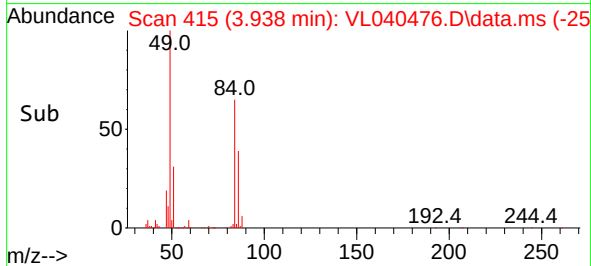
Instrument :
MSVOA_L
ClientSampleId :
SVP-04



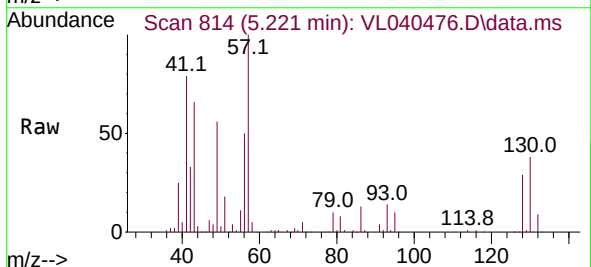
Tgt Ion: 84 Resp: 368312
Ion Ratio Lower Upper
84 100
49 153.0 126.2 189.2
51 46.7 38.7 58.1
86 60.1 50.6 75.8

Manual Integrations
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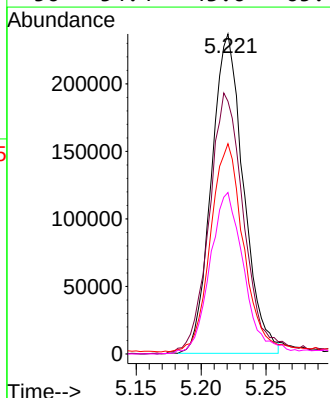
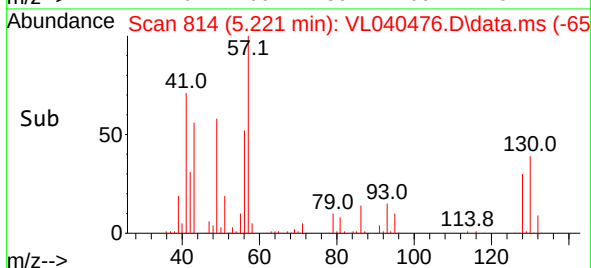
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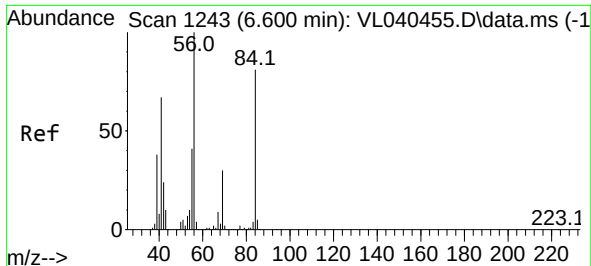


#26
Hexane
Concen: 3.412 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01



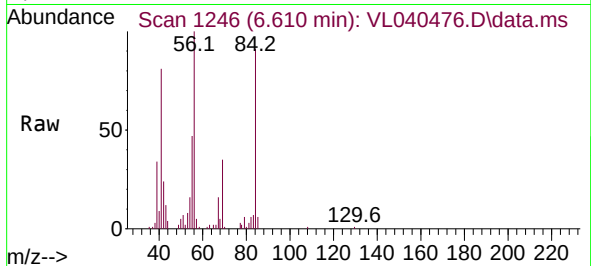
Tgt Ion: 57 Resp: 406225
Ion Ratio Lower Upper
57 100
41 91.7 73.0 109.6
43 70.1 177.5 266.3#
56 54.4 43.6 65.4





#30
Cyclohexane
Concen: 0.541 ppbv
RT: 6.610 min Scan# 1243
Delta R.T. 0.010 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

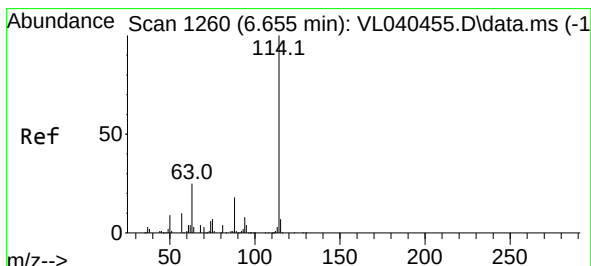
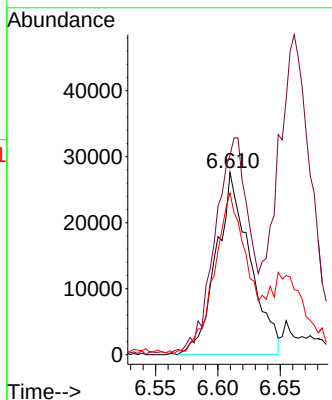
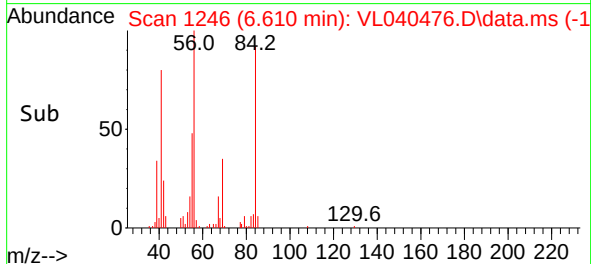
Instrument :
MSVOA_L
ClientSampleId :
SVP-04



Tgt Ion: 84 Resp: 51920
Ion Ratio Lower Upper
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56 122.2 106.0 159.0
41 93.6 66.8 100.2

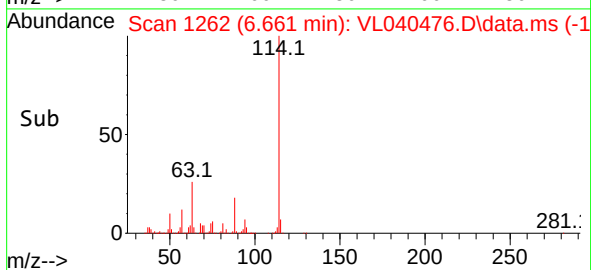
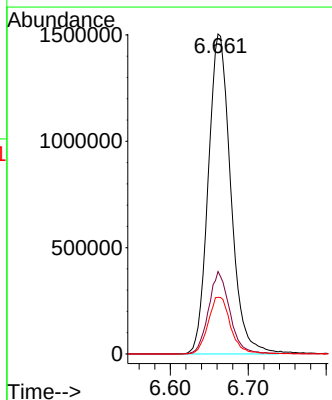
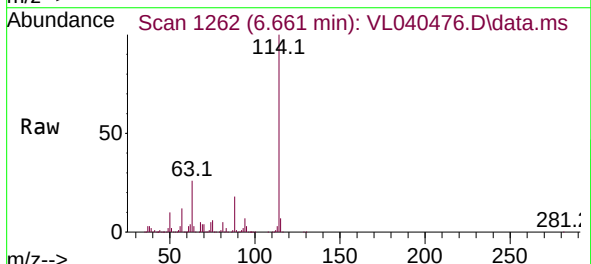
Manual Integrations
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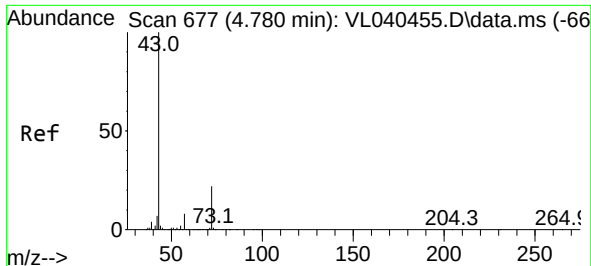
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

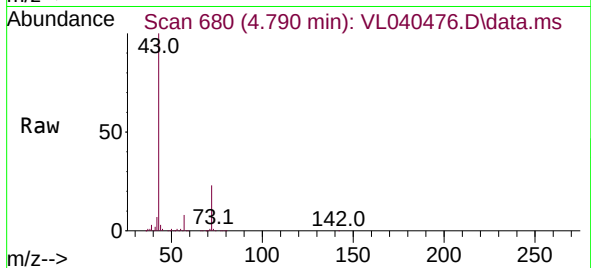
Tgt Ion:114 Resp: 3013101
Ion Ratio Lower Upper
114 100
63 24.6 21.0 31.6
88 17.9 14.5 21.7





#34
2-Butanone
Concen: 18.802 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

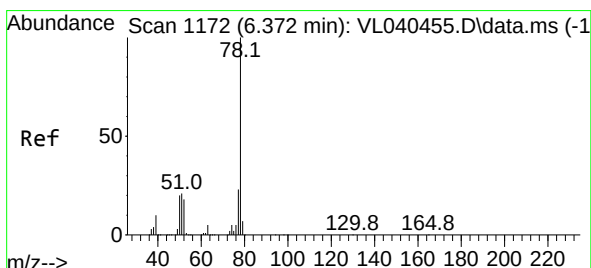
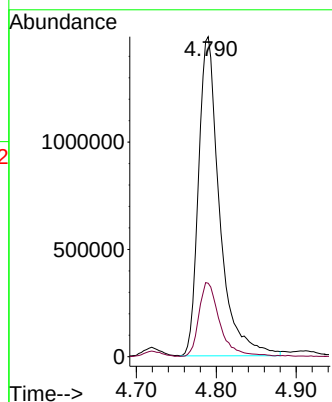
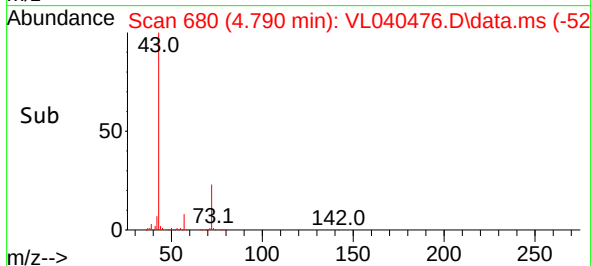
Instrument :
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ClientSampleId :
SVP-04



Tgt Ion: 43 Resp: 2731890
Ion Ratio Lower Upper
43 100
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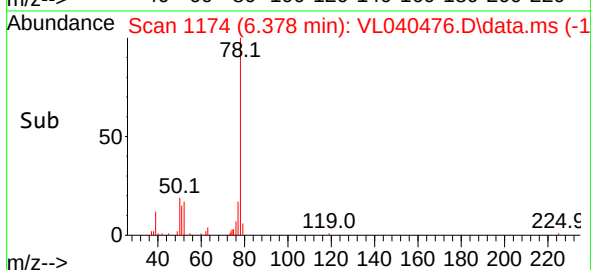
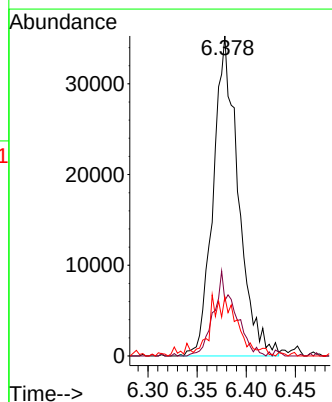
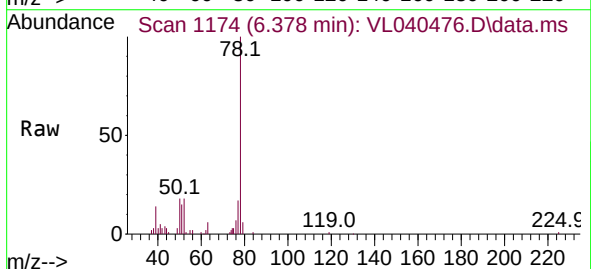
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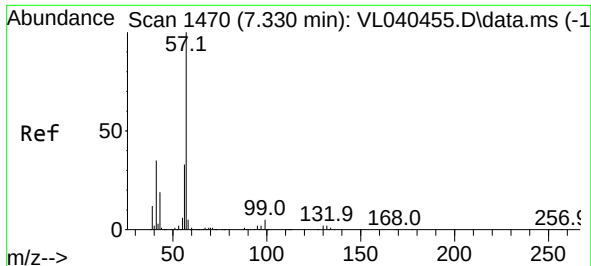
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#36
Benzene
Concen: 0.262 ppbv m
RT: 6.378 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

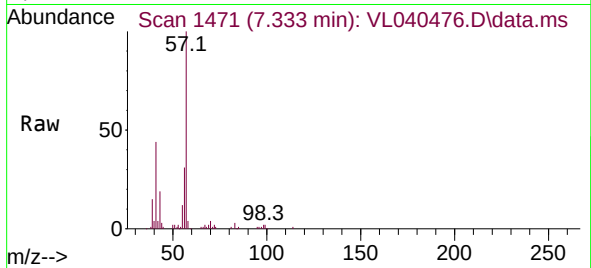
Tgt Ion: 78 Resp: 62709
Ion Ratio Lower Upper
78 100
77 17.3 18.5 27.7#
50 18.5 16.1 24.1





#44
2,2,4-Trimethylpentane
Concen: 0.258 ppbv
RT: 7.333 min Scan# 1470
Delta R.T. 0.003 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

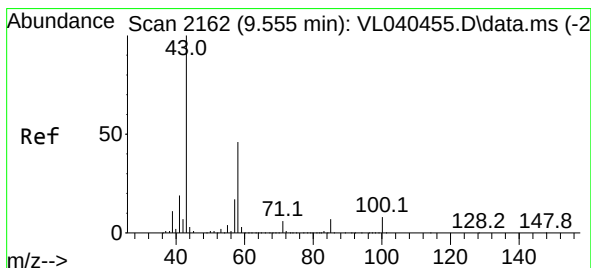
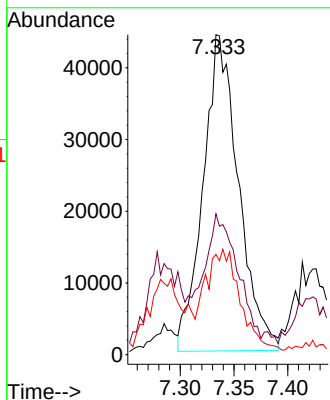
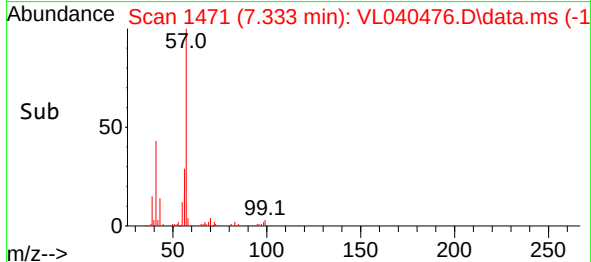
Instrument :
MSVOA_L
ClientSampleId :
SVP-04



Tgt Ion: 57 Resp: 101035
Ion Ratio Lower Upper
57 100
41 45.2 27.8 41.8
56 34.4 25.3 37.9

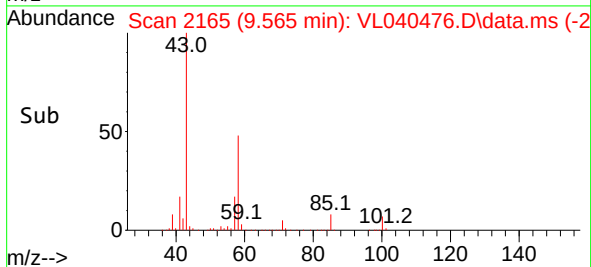
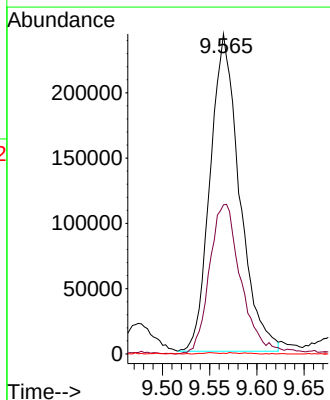
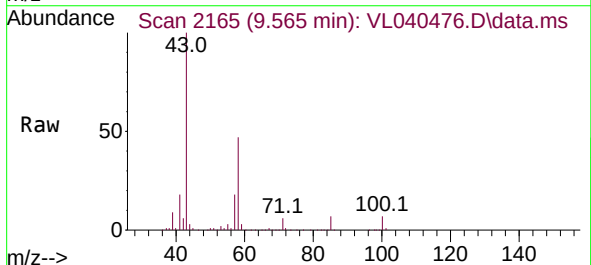
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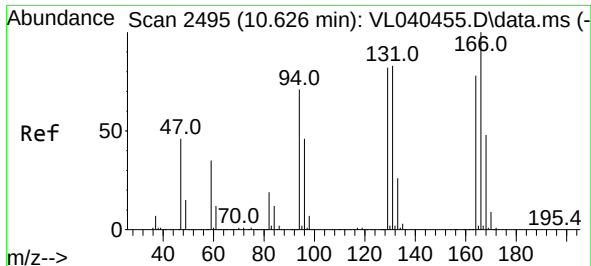
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#51
2-Hexanone
Concen: 3.884 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.010 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

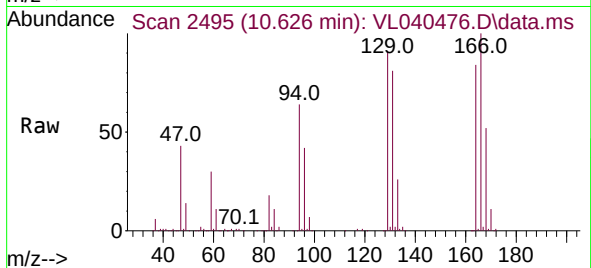
Tgt Ion: 43 Resp: 524766
Ion Ratio Lower Upper
43 100
58 50.9 37.1 55.7
98 0.5 0.5 0.7





#52
Tetrachloroethene
Concen: 5.018 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.000 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

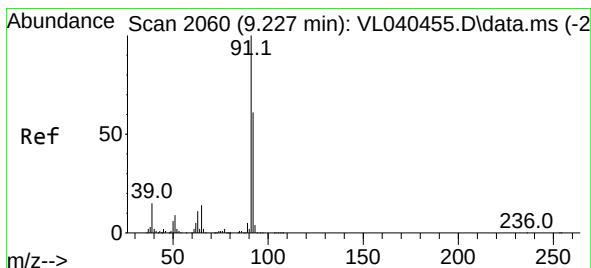
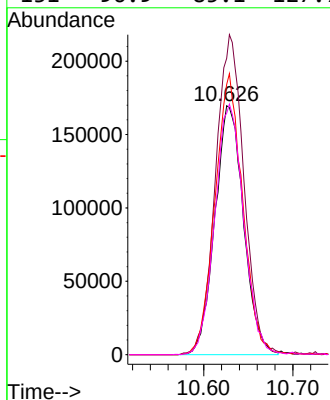
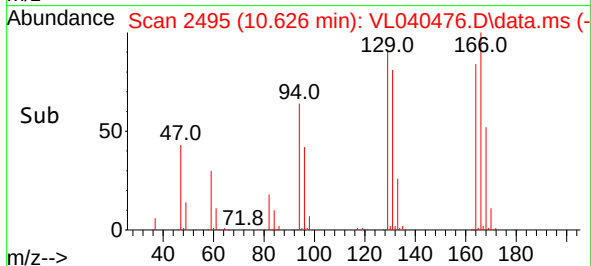
Instrument :
MSVOA_L
ClientSampleId :
SVP-04



Tgt Ion:164 Resp: 377588
Ion Ratio Lower Upper
164 100
166 119.1 102.7 154.1
129 108.6 84.6 126.8
131 96.9 85.1 127.7

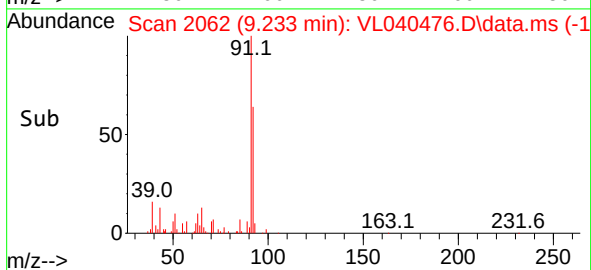
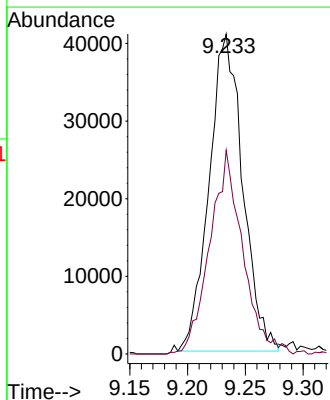
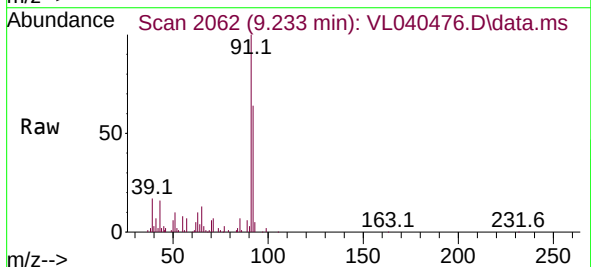
Manual Integrations
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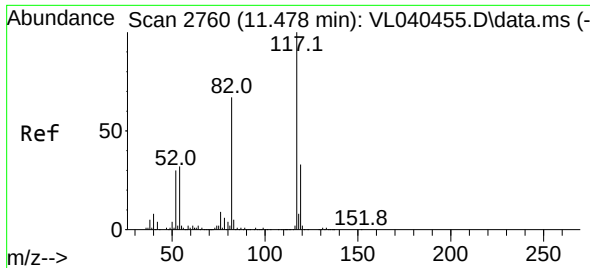
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#53
Toluene
Concen: 0.328 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

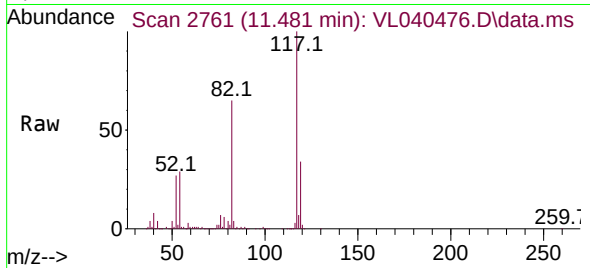
Tgt Ion: 91 Resp: 82712
Ion Ratio Lower Upper
91 100
92 62.9 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

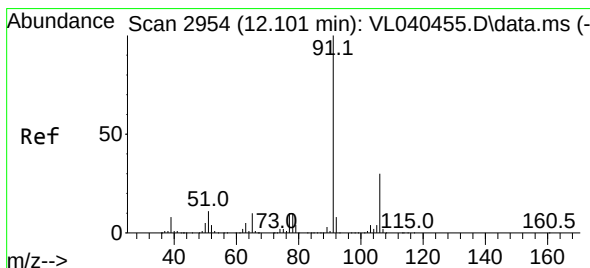
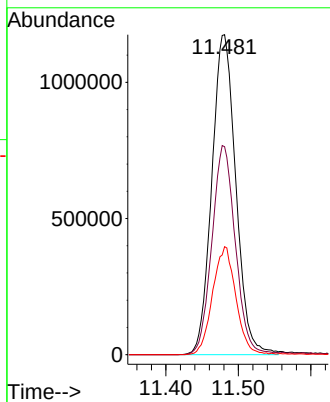
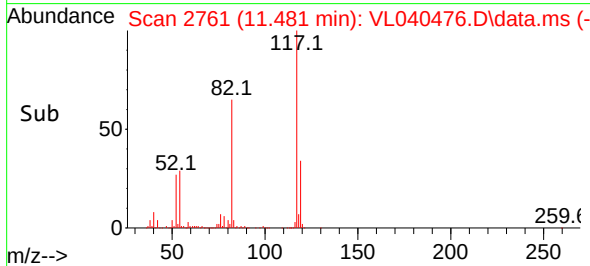
Instrument :
MSVOA_L
ClientSampleId :
SVP-04



Tgt Ion:117 Resp: 270316
Ion Ratio Lower Upper
117 100
82 64.9 53.0 79.4
119 33.0 24.4 36.6

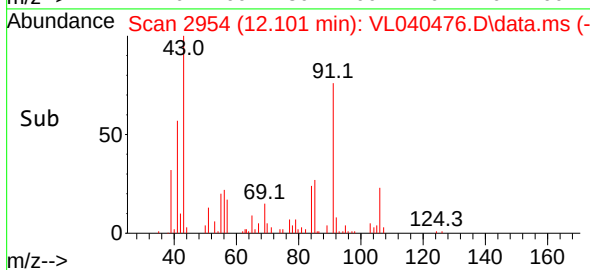
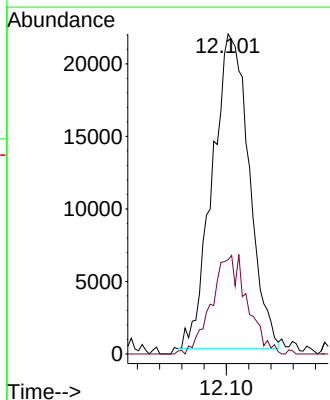
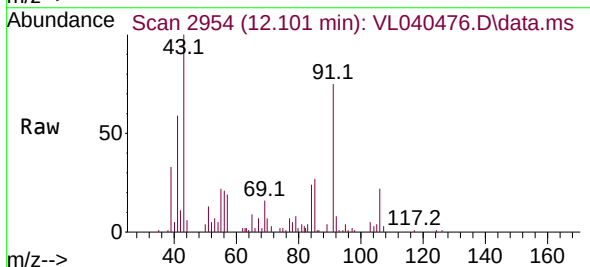
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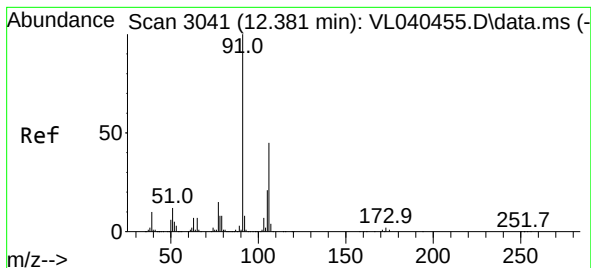
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#58
Ethyl Benzene
Concen: 0.152 ppbv
RT: 12.101 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

Tgt Ion: 91 Resp: 49782
Ion Ratio Lower Upper
91 100
106 29.2 23.7 35.5





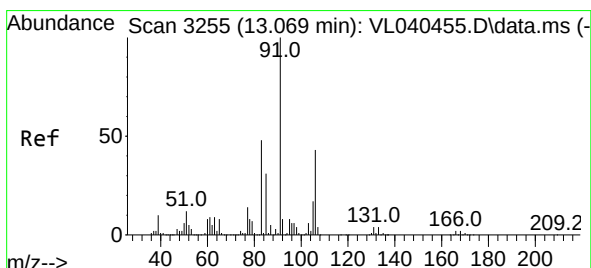
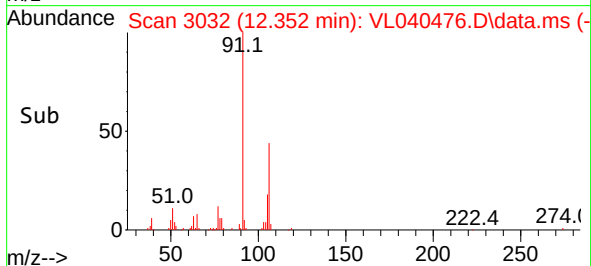
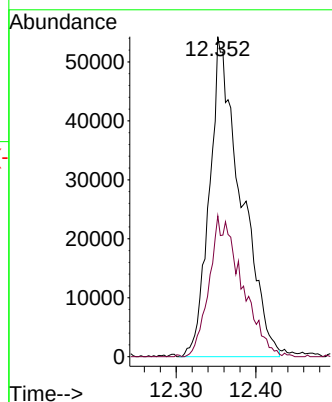
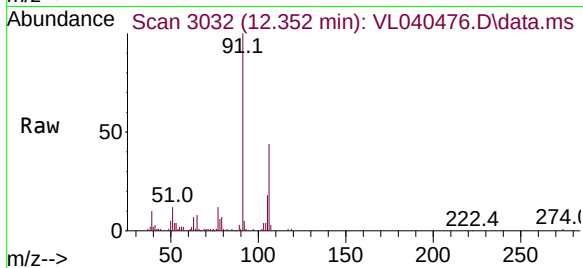
#59
m/p-Xylene
Concen: 0.492 ppbv m
RT: 12.352 min Scan# 3041
Delta R.T. -0.029 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-04

Tgt Ion: 91 Resp: 14809
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0

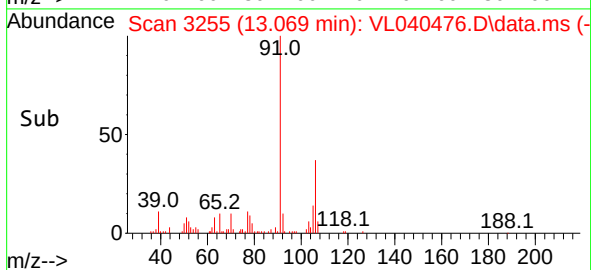
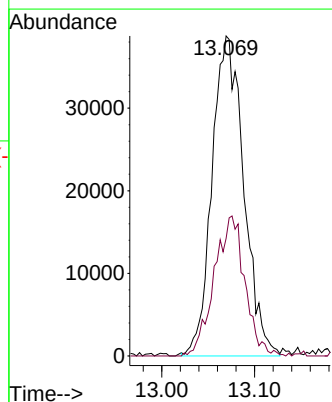
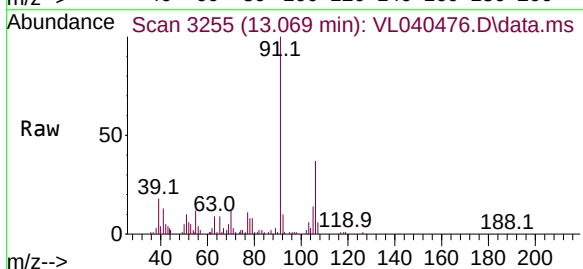
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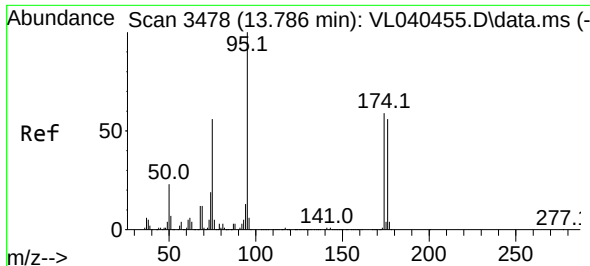
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#60
o-Xylene
Concen: 0.322 ppbv m
RT: 13.069 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

Tgt Ion: 91 Resp: 92022
Ion Ratio Lower Upper
91 100
106 0.0 22.1 66.1





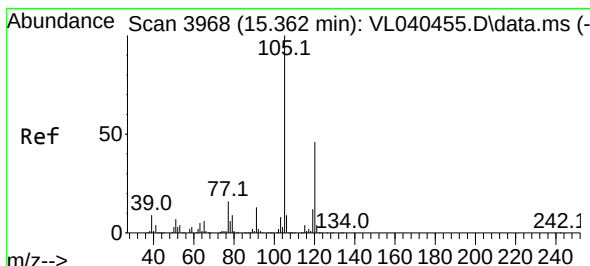
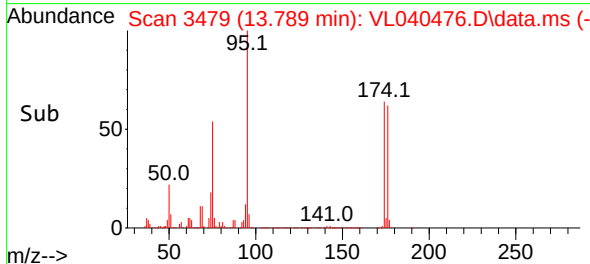
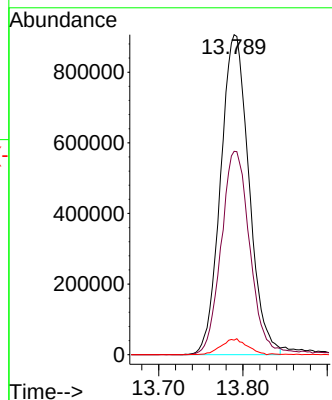
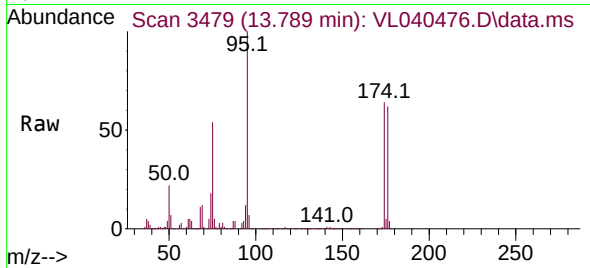
#68
1-Bromo-4-Fluorobenzene
Concen: 9.502 ppbv
RT: 13.789 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-04

Tgt Ion: 95 Resp: 211997
Ion Ratio Lower Upper
95 100
174 66.0 47.7 71.5
175 4.7 3.5 5.3

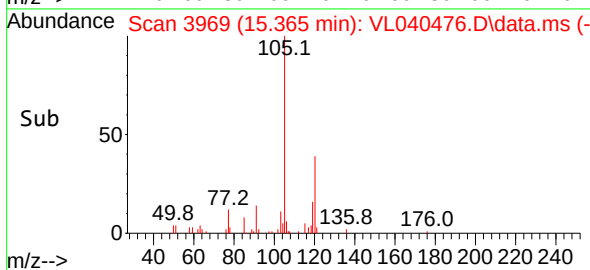
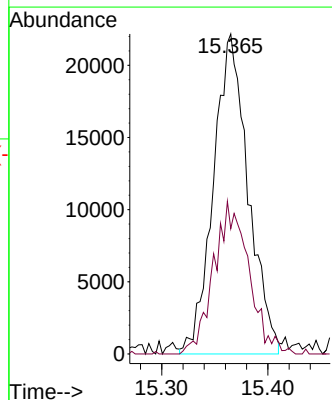
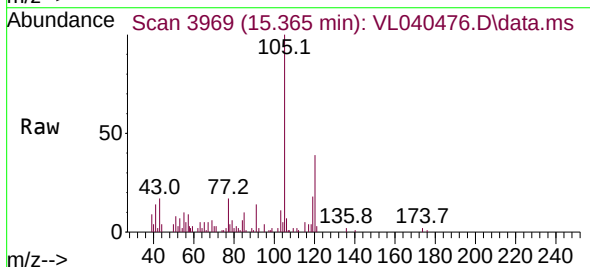
Manual Integrations
APPROVED

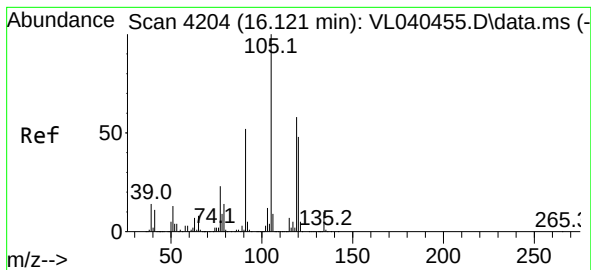
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#73
1,3,5-Trimethylbenzene
Concen: 0.178 ppbv m
RT: 15.365 min Scan# 3969
Delta R.T. 0.003 min
Lab File: VL040476.D
Acq: 15 Jun 2023 21:01

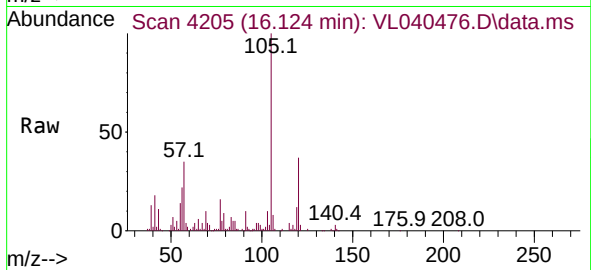
Tgt Ion:105 Resp: 50542
Ion Ratio Lower Upper
105 100
120 39.1 36.4 54.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.621 ppbv
 RT: 16.124 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040476.D
 Acq: 15 Jun 2023 21:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04



Tgt Ion:	105	Resp:	207590
Ion	Ratio	Lower	Upper
105	100		
120	36.8	38.4	57.6
91	9.6	41.3	61.9
77	15.4	18.6	28.0

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

