

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040480.D
 Acq On : 15 Jun 2023 23:44
 Operator : SY/MD
 Sample : 03250-06 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 05:42:50 2023

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

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

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	1095214	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2843607	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2576880	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2044793	9.614	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	31191	0.131	ppbv	99
9) Propene	2.693	41	132770	2.400	ppbv	96
11) Trichlorofluoromethane	3.565	101	44015	0.227	ppbv	96
13) Ethanol	3.240	45	187791	16.394	ppbv	97
15) Acetone	3.468	43	1083537	8.202	ppbv #	39
17) tert-Butyl alcohol	3.883	59	332168	3.059	ppbv	99
20) Methylene Chloride	3.938	84	69343	1.230	ppbv	97
26) Hexane	5.217	57	338277	2.984	ppbv #	42
27) Carbon Disulfide	4.131	76	284453	2.007	ppbv	100
34) 2-Butanone	4.787	43	2083700	15.196	ppbv	98
36) Benzene	6.375	78	21287m	0.094	ppbv	
44) 2,2,4-Trimethylpentane	7.336	57	60017	0.162	ppbv #	83
51) 2-Hexanone	9.561	43	407185	3.194	ppbv	93
52) Tetrachloroethene	10.626	164	46473	0.654	ppbv	93
53) Toluene	9.233	91	78822	0.331	ppbv	98
58) Ethyl Benzene	12.101	91	48511m	0.155	ppbv	
59) m/p-Xylene	12.349	91	147157m	0.513	ppbv	
60) o-Xylene	13.072	91	86905	0.319	ppbv	95
73) 1,3,5-Trimethylbenzene	15.362	105	58581	0.216	ppbv	94
74) 1,2,4-Trimethylbenzene	16.117	105	243485	0.764	ppbv #	70

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

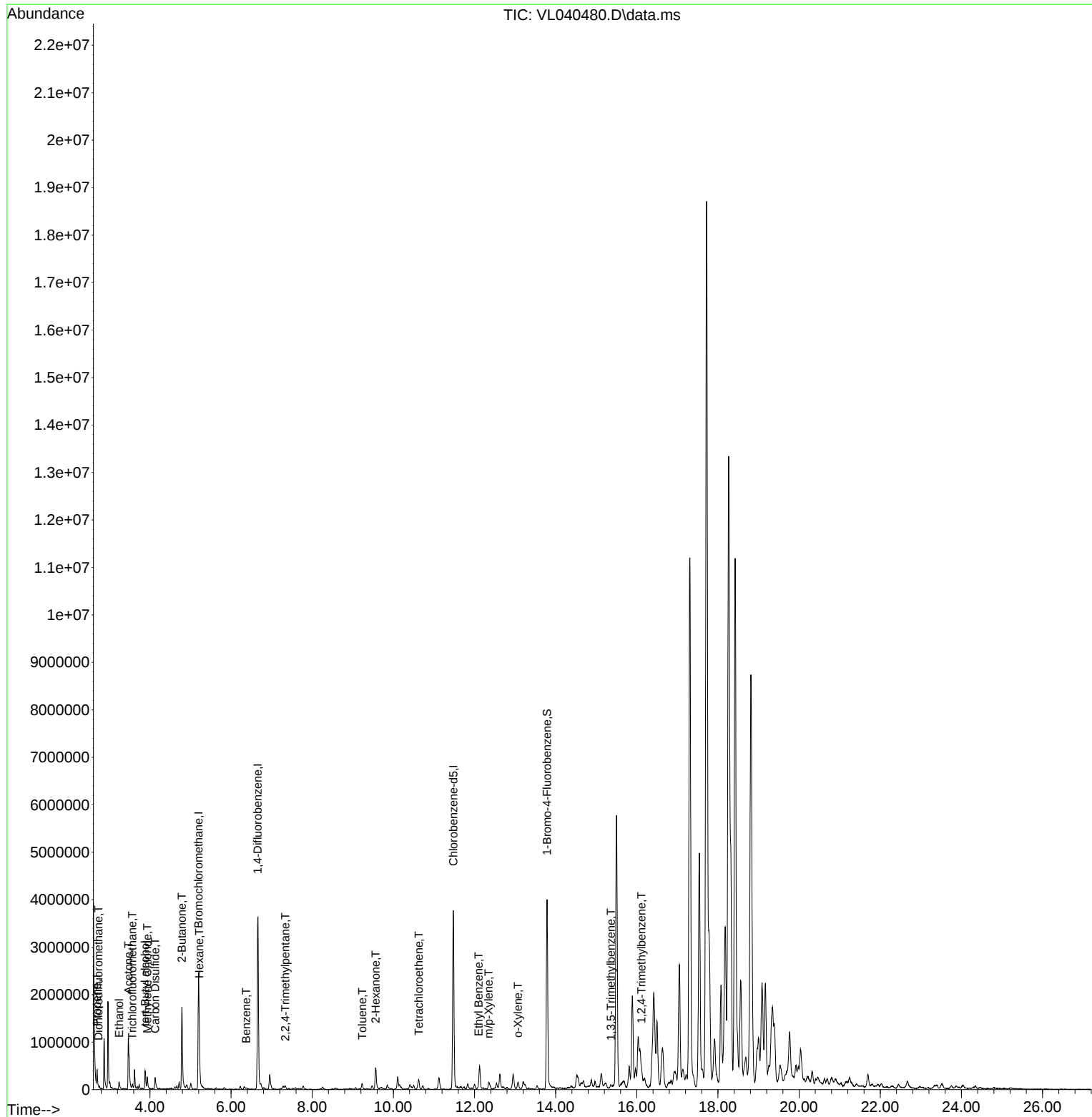
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
Data File : VL040480.D
Acq On : 15 Jun 2023 23:44
Operator : SY/MD
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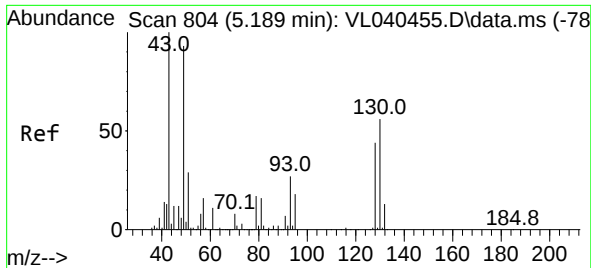
Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Quant Time: Jun 16 05:42:50 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
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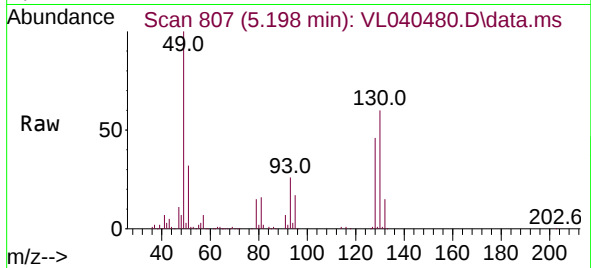
Reviewed By : Semsettin Yesilyurt 06/16/2023
Supervised By : Mahesh Dadoda 06/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

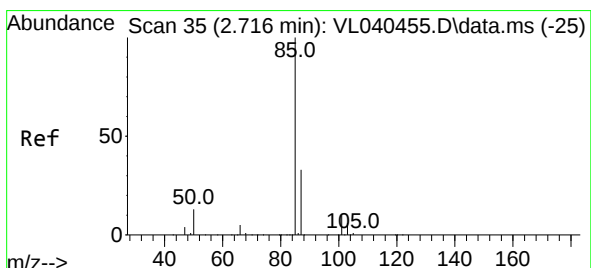
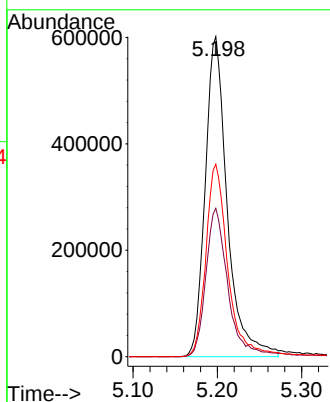
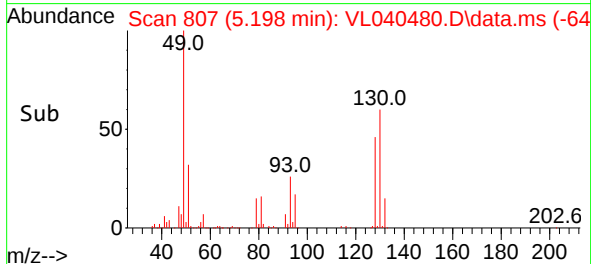
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



Tgt Ion: 49 Resp: 1095214
Ion Ratio Lower Upper
49 100
128 47.7 24.7 74.1
130 60.6 31.4 94.2

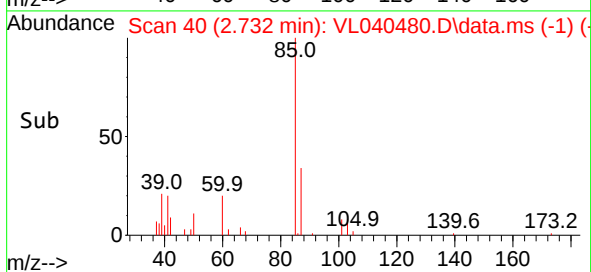
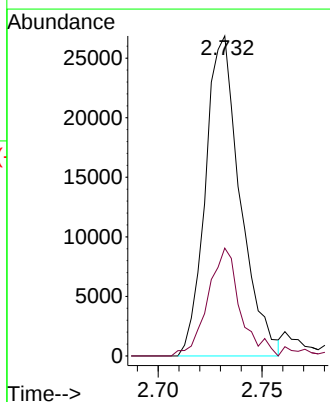
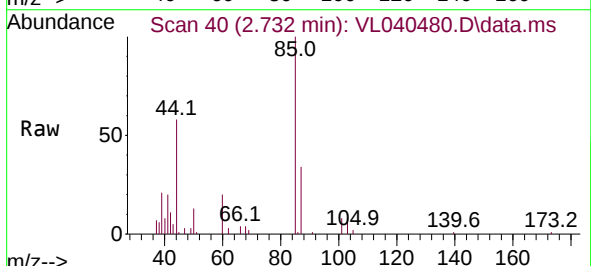
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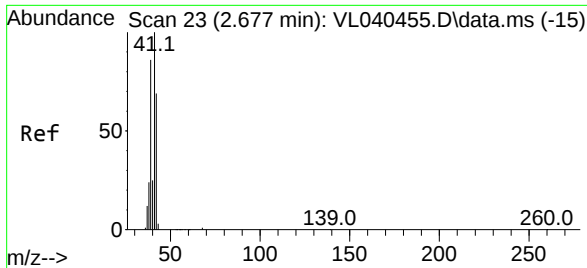
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#2
Dichlorodifluoromethane
Concen: 0.131 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.016 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

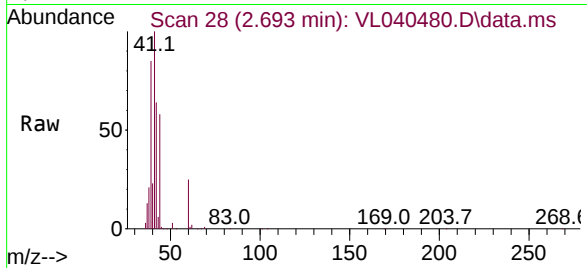
Tgt Ion: 85 Resp: 31191
Ion Ratio Lower Upper
85 100
87 33.7 26.6 39.8





#9
Propene
Concen: 2.400 ppbv
RT: 2.693 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

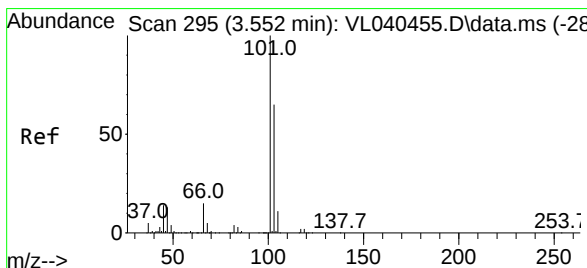
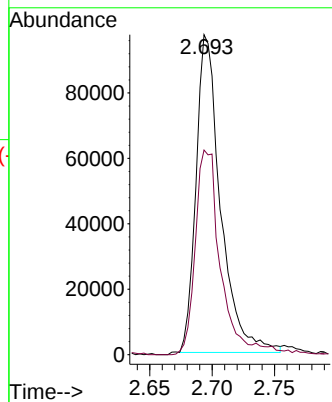
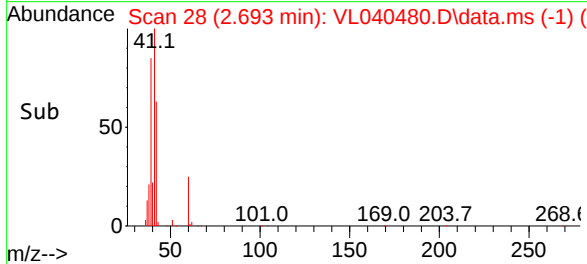
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



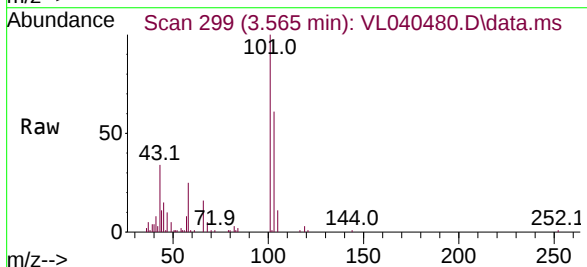
Tgt Ion: 41 Resp: 132770
Ion Ratio Lower Upper
41 100
42 67.2 56.2 84.2

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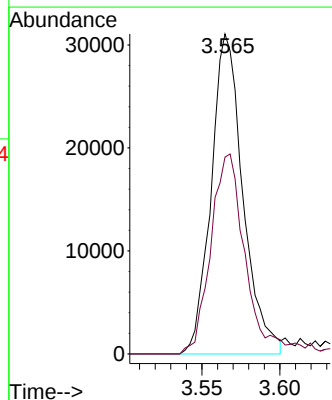
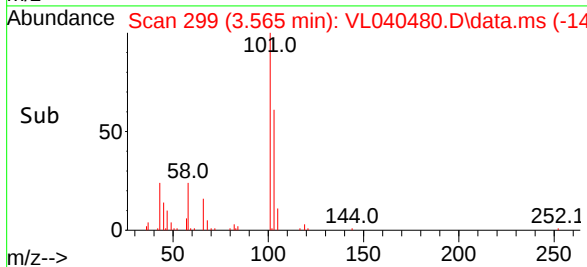
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

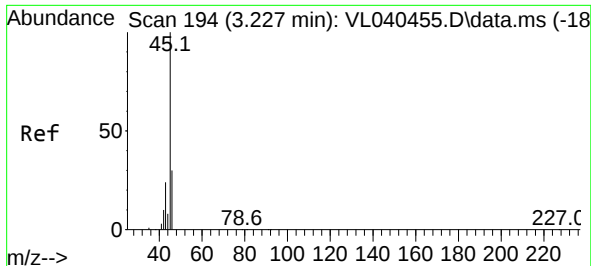


#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.013 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44



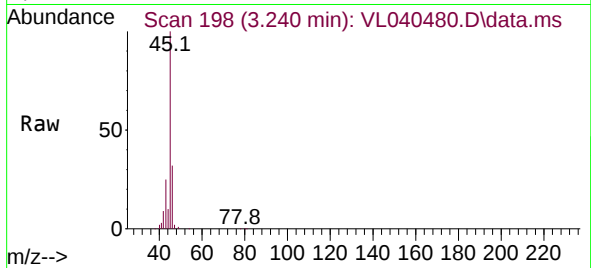
Tgt Ion:101 Resp: 44015
Ion Ratio Lower Upper
101 100
103 61.5 51.7 77.5





#13
Ethanol
Concen: 16.394 ppbv
RT: 3.240 min Scan# 194
Delta R.T. 0.013 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

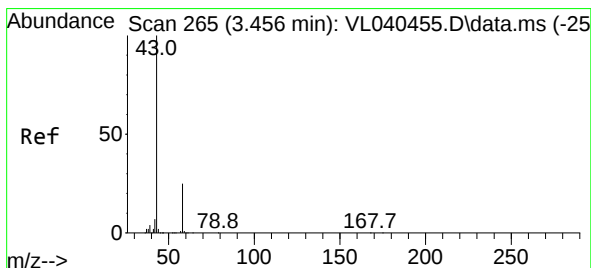
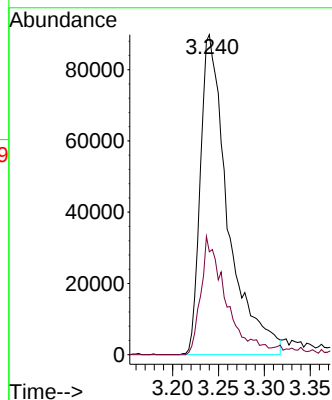
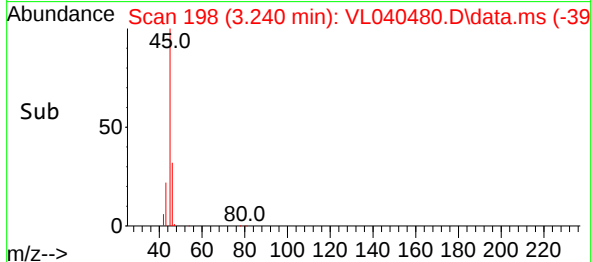
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



Tgt Ion: 45 Resp: 18779
Ion Ratio Lower Upper
45 100
46 34.6 14.5 58.1

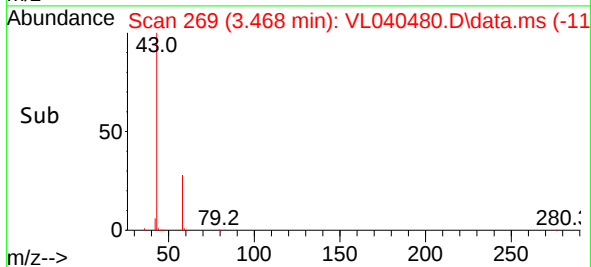
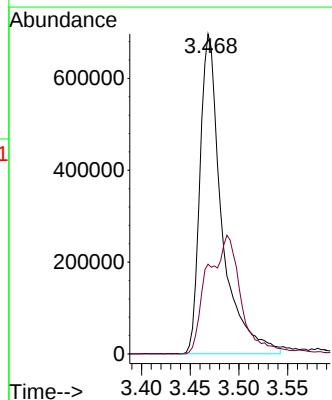
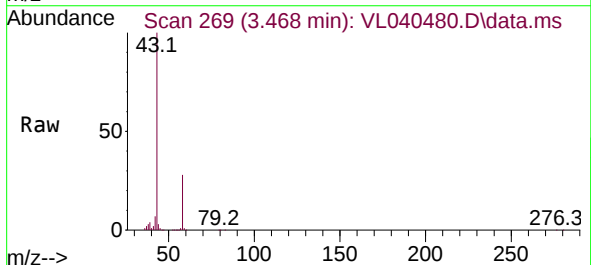
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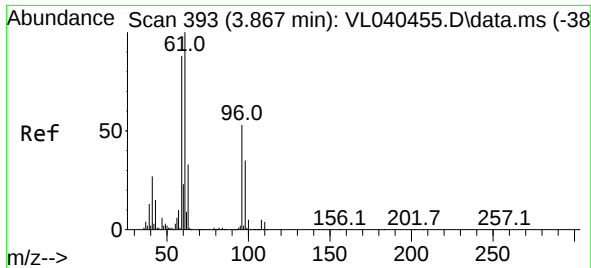
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#15
Acetone
Concen: 8.202 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.013 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

Tgt Ion: 43 Resp: 1083537
Ion Ratio Lower Upper
43 100
58 58.6 21.6 32.4#





#17

tert-Butyl alcohol

Concen: 3.059 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.016 min

Lab File: VL040480.D

Acq: 15 Jun 2023 23:44

Instrument :

MSVOA_L

ClientSampleId :

SVP-01

Tgt Ion: 59 Resp: 33216

Ion Ratio Lower Upper

59 100

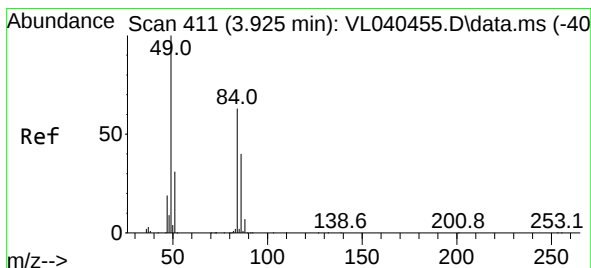
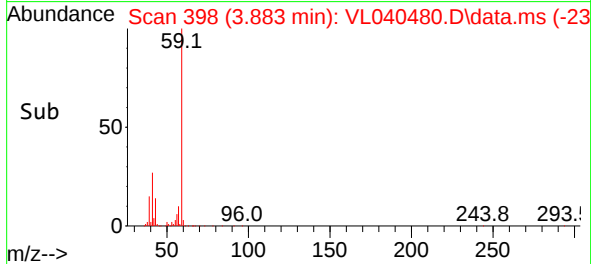
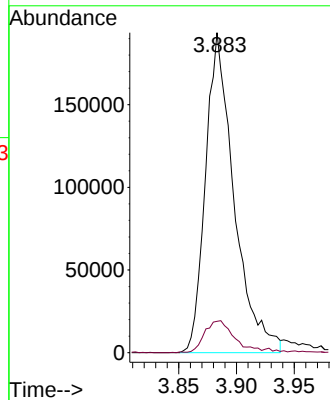
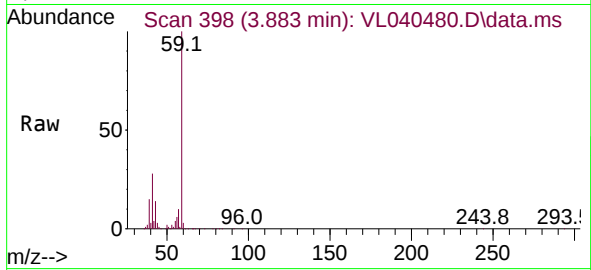
57 11.3 8.8 13.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2023

Supervised By :Mahesh Dadoda 06/16/2023



#20

Methylene Chloride

Concen: 1.230 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.013 min

Lab File: VL040480.D

Acq: 15 Jun 2023 23:44

Tgt Ion: 84 Resp: 69343

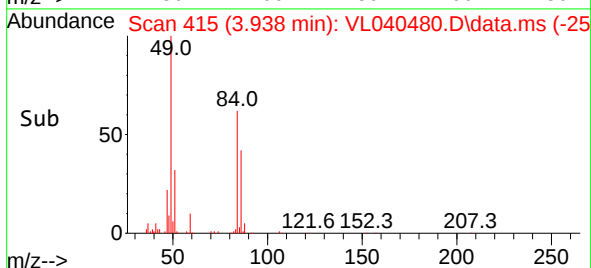
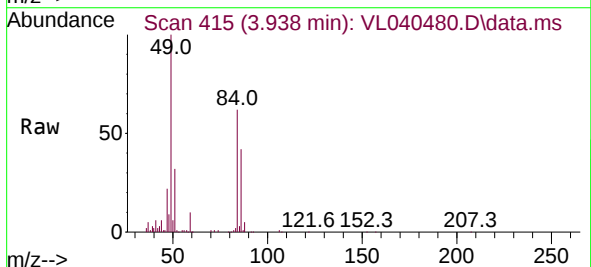
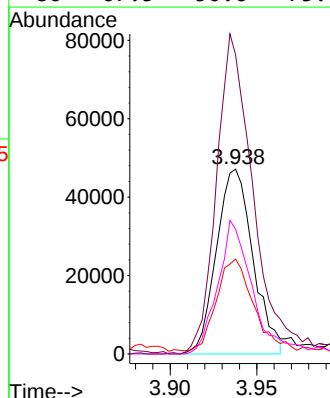
Ion Ratio Lower Upper

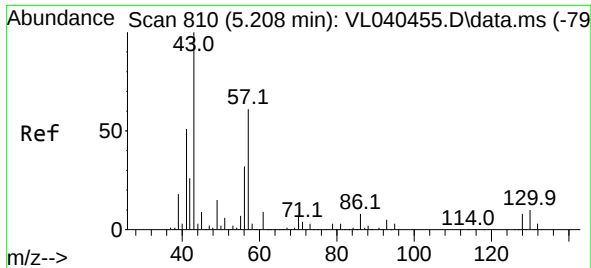
84 100

49 161.8 126.2 189.2

51 49.4 38.7 58.1

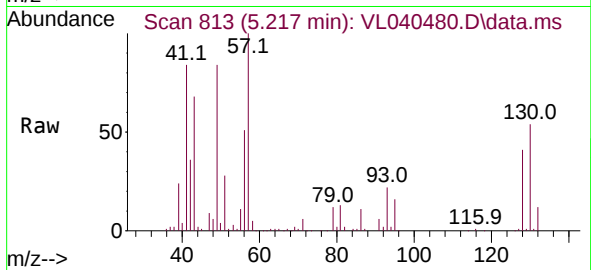
86 67.5 50.6 75.8





#26
Hexane
Concen: 2.984 ppbv
RT: 5.217 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

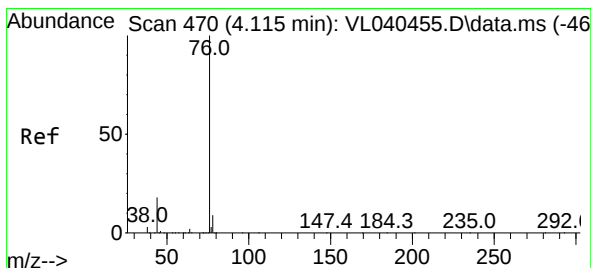
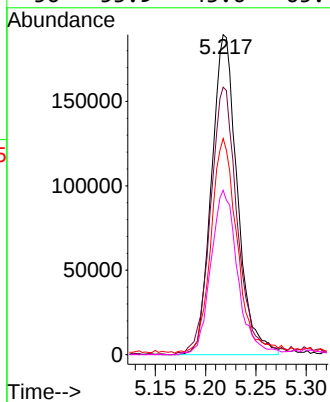
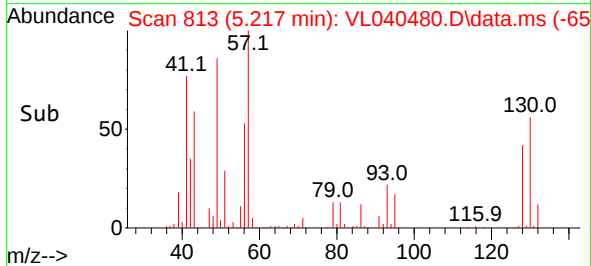
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



Tgt Ion: 57 Resp: 33827
Ion Ratio Lower Upper
57 100
41 90.4 73.0 109.6
43 68.7 177.5 266.3
56 53.9 43.6 65.4

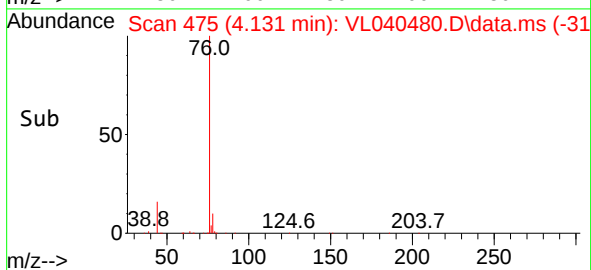
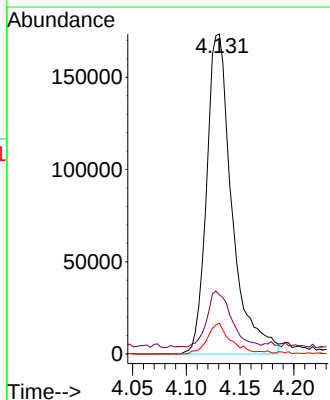
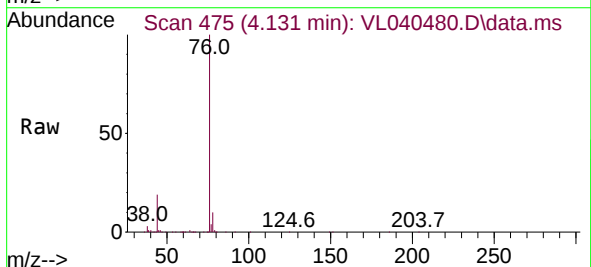
Manual Integrations
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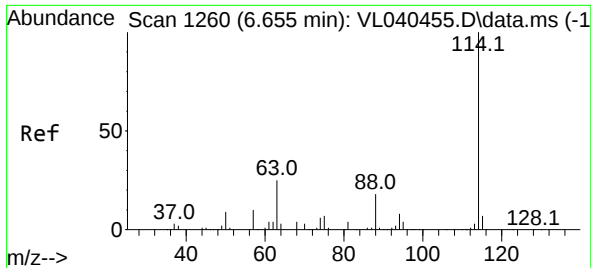
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#27
Carbon Disulfide
Concen: 2.007 ppbv
RT: 4.131 min Scan# 475
Delta R.T. 0.016 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

Tgt Ion: 76 Resp: 284453
Ion Ratio Lower Upper
76 100
44 18.2 14.6 22.0
78 9.6 7.6 11.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040480.D

Acq: 15 Jun 2023 23:44

Instrument :

MSVOA_L

ClientSampleId :

SVP-01

Tgt Ion:114 Resp: 284360

Ion Ratio Lower Upper

114 100

63 24.7 21.0 31.6

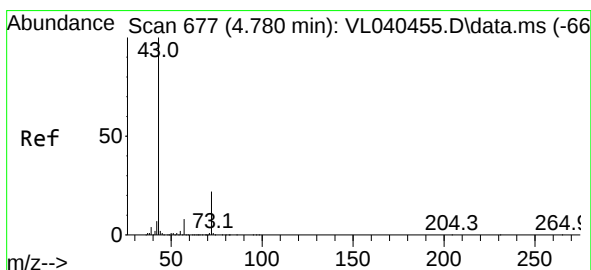
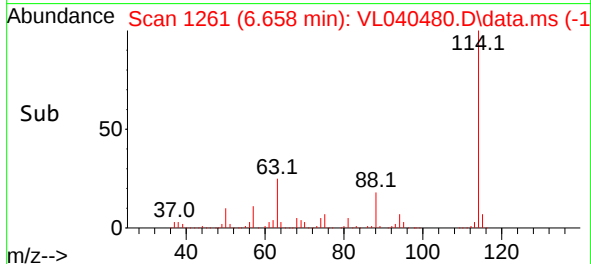
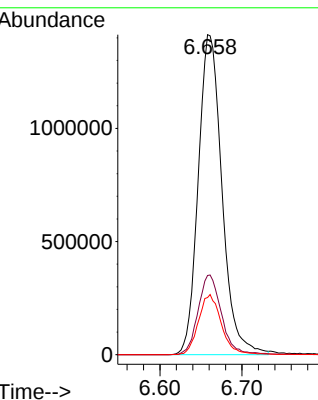
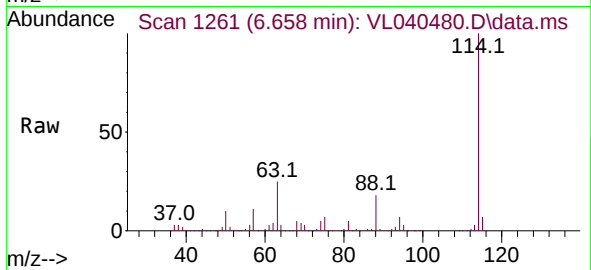
88 18.2 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2023

Supervised By :Mahesh Dadoda 06/16/2023



#34

2-Butanone

Concen: 15.196 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.006 min

Lab File: VL040480.D

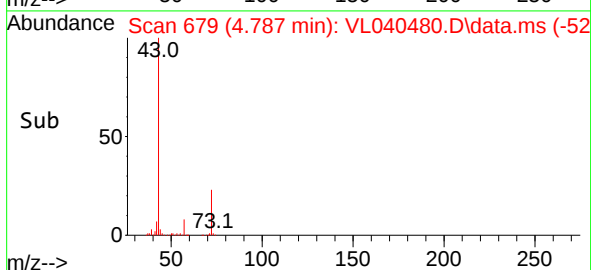
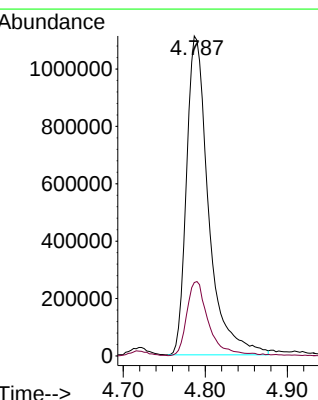
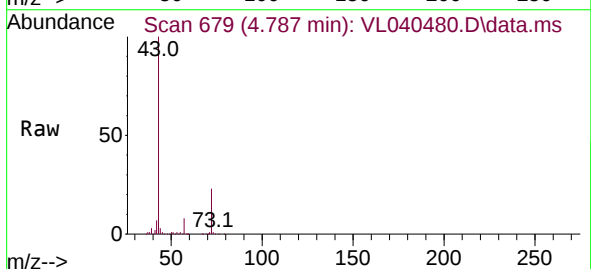
Acq: 15 Jun 2023 23:44

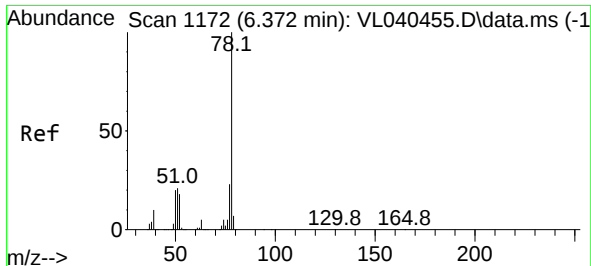
Tgt Ion: 43 Resp: 2083700

Ion Ratio Lower Upper

43 100

72 23.5 18.1 27.1





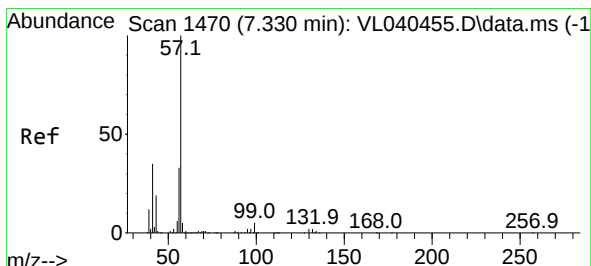
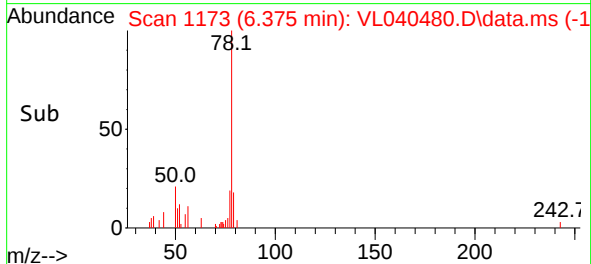
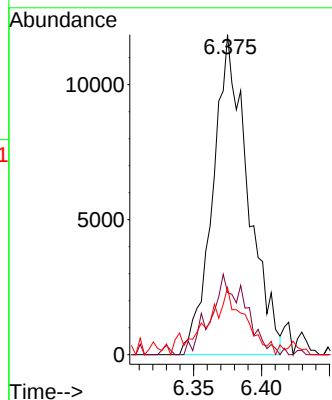
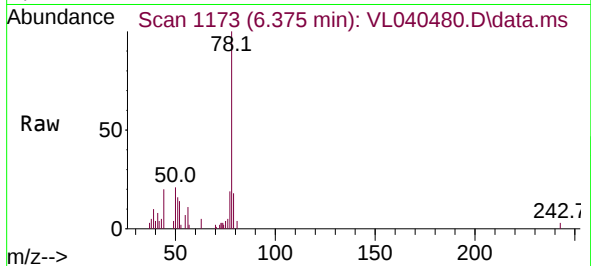
#36
Benzene
Concen: 0.094 ppbv m
RT: 6.375 min Scan# 1172
Delta R.T. 0.003 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 78 Resp: 2128
Ion Ratio Lower Upper
78 100
77 19.4 18.5 27.7
50 21.0 16.1 24.1

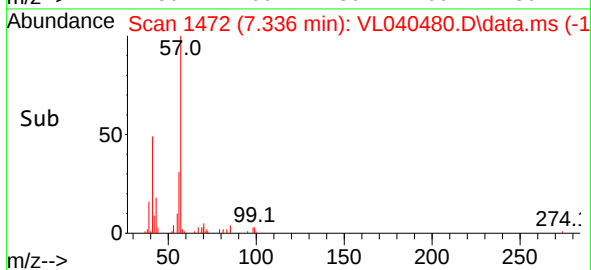
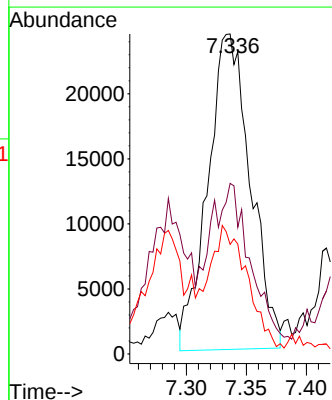
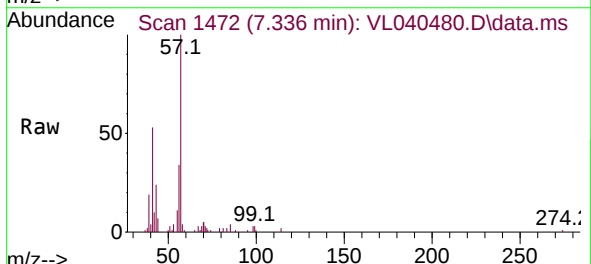
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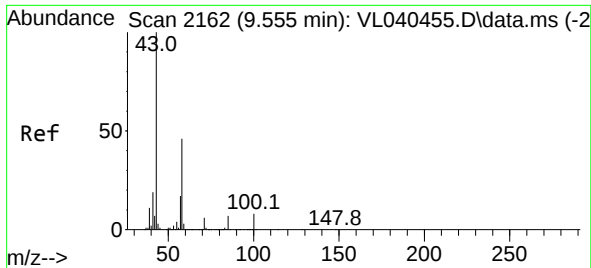
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#44
2,2,4-Trimethylpentane
Concen: 0.162 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

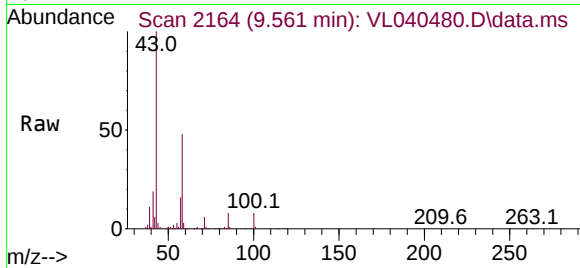
Tgt Ion: 57 Resp: 60017
Ion Ratio Lower Upper
57 100
41 52.7 27.8 41.8#
56 32.1 25.3 37.9





#51
2-Hexanone
Concen: 3.194 ppbv
RT: 9.561 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

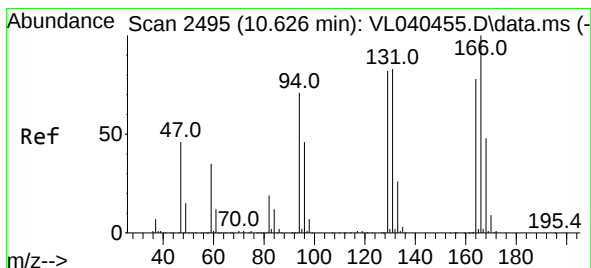
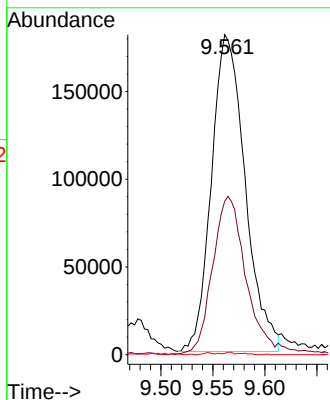
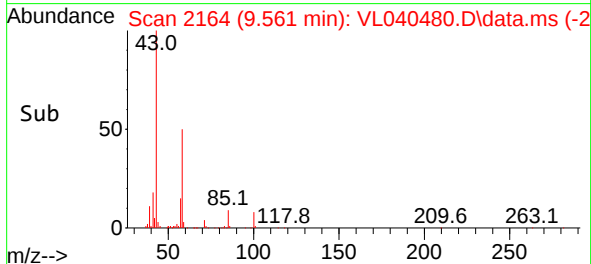
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



Tgt Ion: 43 Resp: 40718
Ion Ratio Lower Upper
43 100
58 51.4 37.1 55.7
98 0.6 0.5 0.7

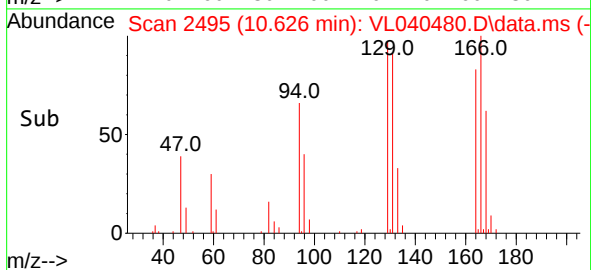
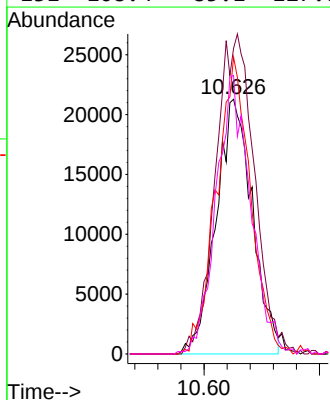
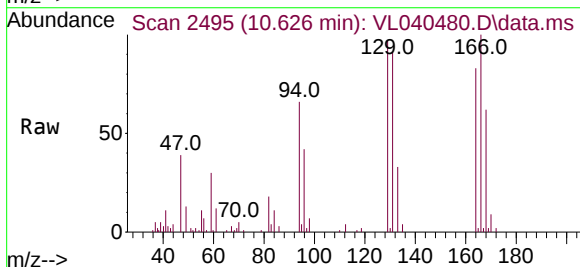
Manual Integrations
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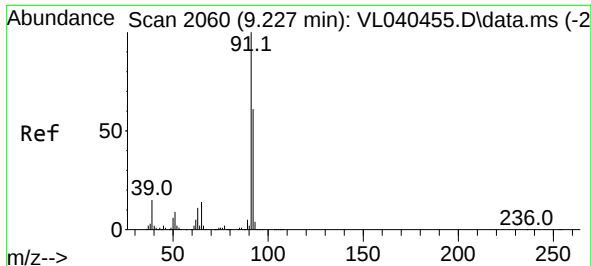
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#52
Tetrachloroethene
Concen: 0.654 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.000 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

Tgt Ion:164 Resp: 46473
Ion Ratio Lower Upper
164 100
166 120.0 102.7 154.1
129 116.5 84.6 126.8
131 108.4 85.1 127.7





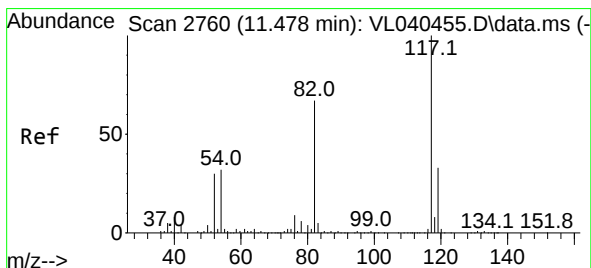
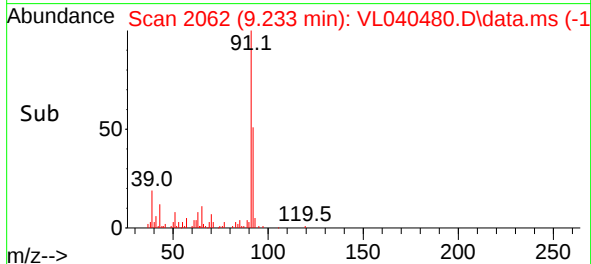
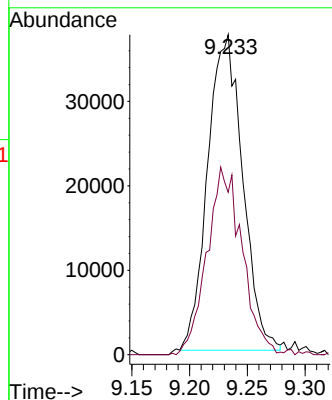
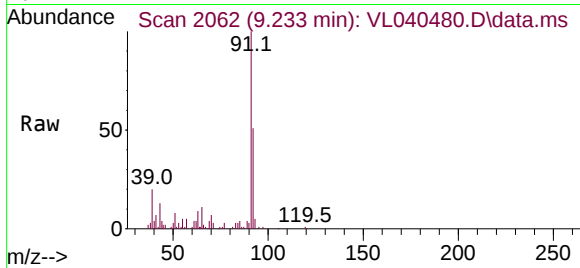
#53
Toluene
Concen: 0.331 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 91 Resp: 7882
Ion Ratio Lower Upper
91 100
92 59.7 49.1 73.7

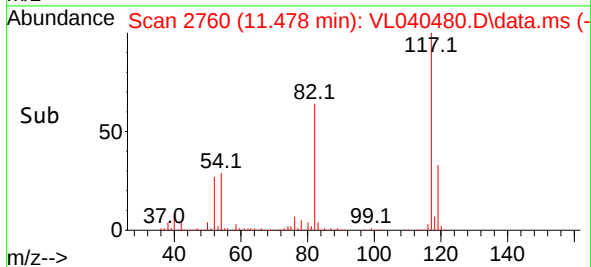
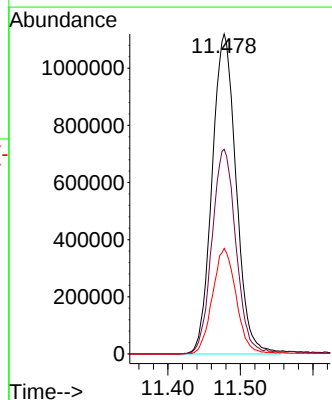
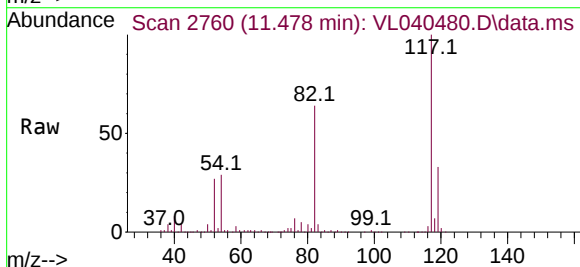
Manual Integrations
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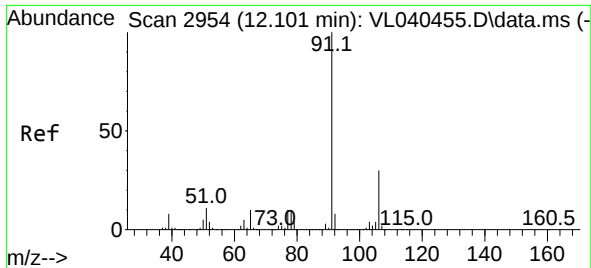
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.000 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

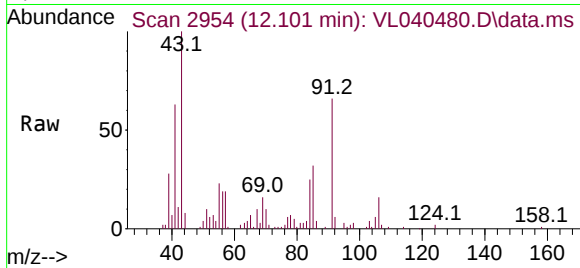
Tgt Ion:117 Resp: 2576880
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.4
119 32.8 24.4 36.6





#58
Ethyl Benzene
Concen: 0.155 ppbv m
RT: 12.101 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

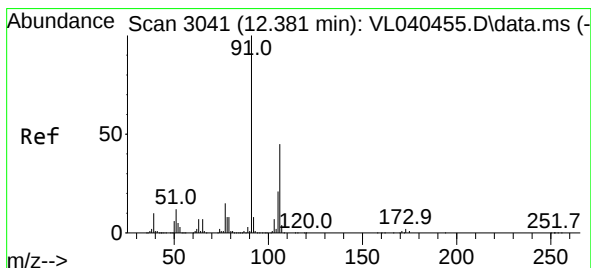
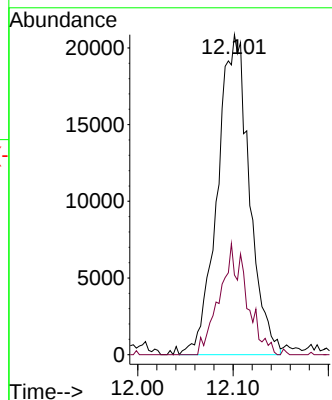
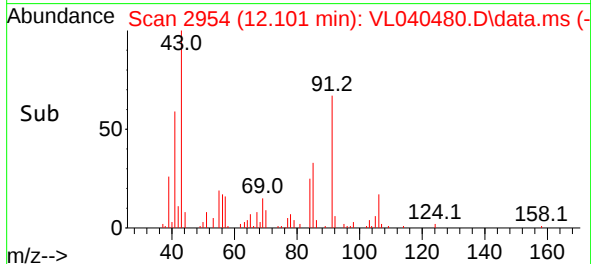
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



Tgt Ion: 91 Resp: 4851
Ion Ratio Lower Upper
91 100
106 24.9 23.7 35.5

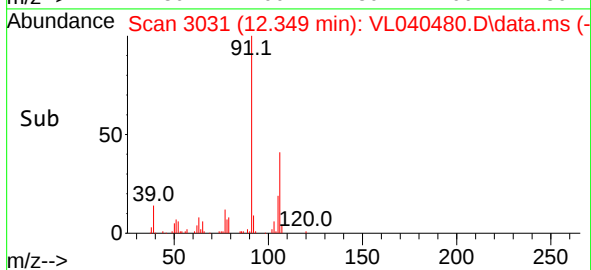
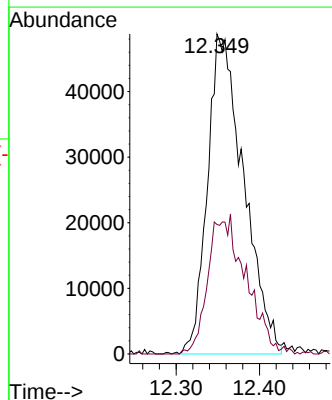
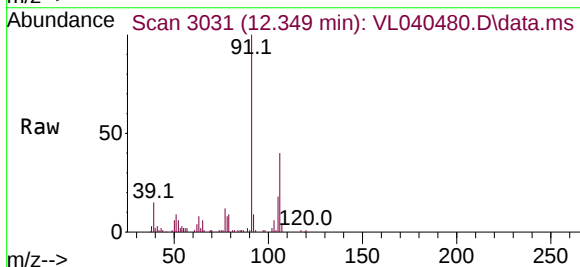
Manual Integrations
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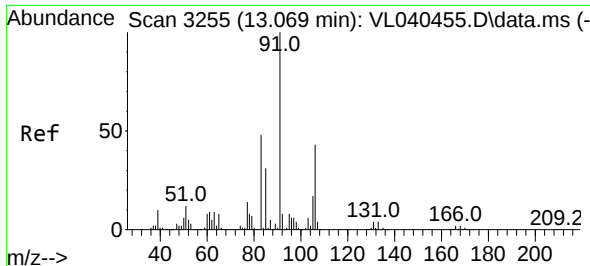
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#59
m/p-Xylene
Concen: 0.513 ppbv m
RT: 12.349 min Scan# 3031
Delta R.T. -0.032 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

Tgt Ion: 91 Resp: 147157
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#





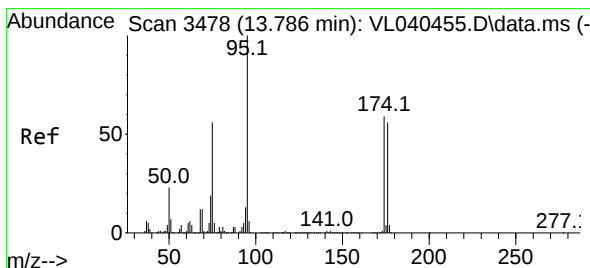
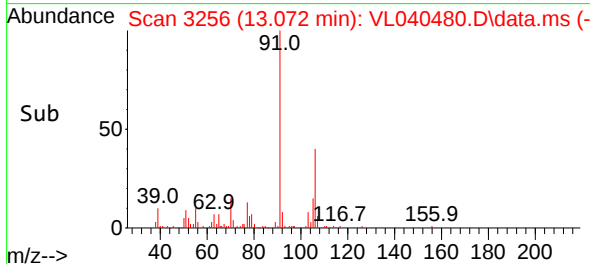
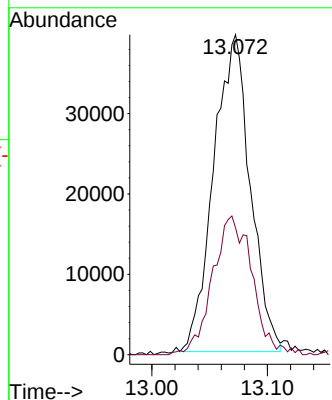
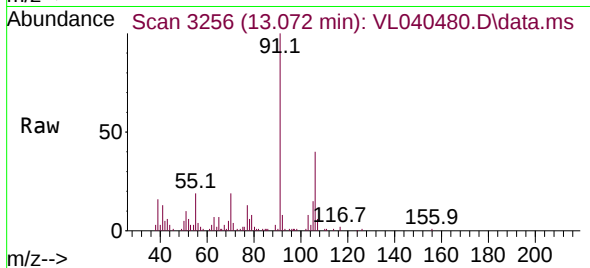
#60
o-Xylene
Concen: 0.319 ppbv
RT: 13.072 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 91 Resp: 8690
Ion Ratio Lower Upper
91 100
106 47.5 22.1 66.1

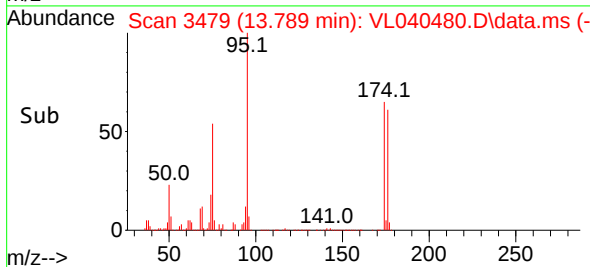
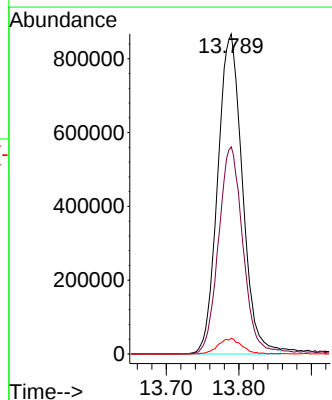
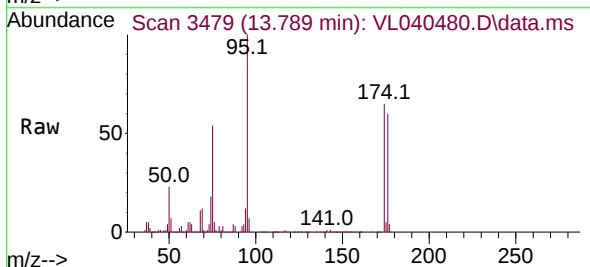
Manual Integrations
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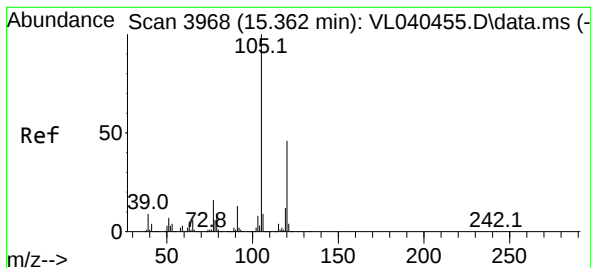
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.614 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. 0.003 min
Lab File: VL040480.D
Acq: 15 Jun 2023 23:44

Tgt Ion: 95 Resp: 2044793
Ion Ratio Lower Upper
95 100
174 65.6 47.7 71.5
175 4.7 3.5 5.3





#73

1,3,5-Trimethylbenzene

Concen: 0.216 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. -0.000 min

Lab File: VL040480.D

Acq: 15 Jun 2023 23:44

Instrument :

MSVOA_L

ClientSampleId :

SVP-01

Tgt Ion:105 Resp: 5858

Ion Ratio Lower Upper

105 100

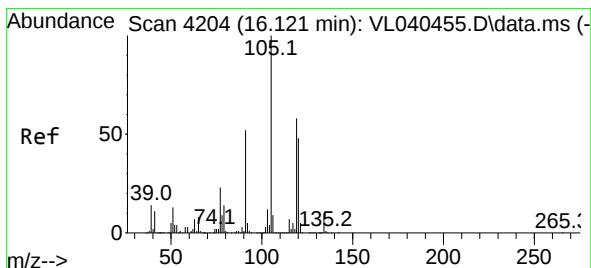
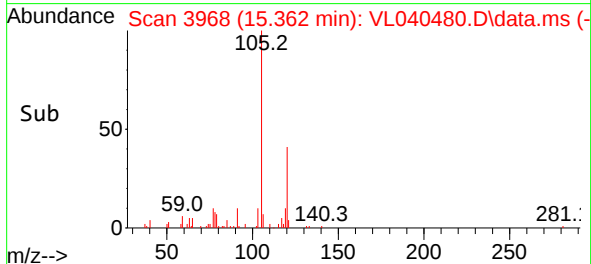
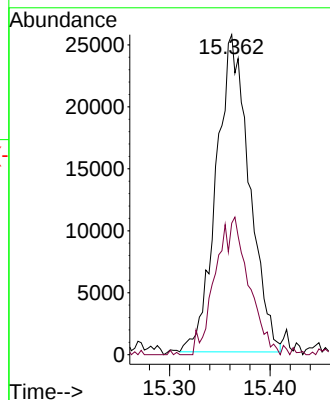
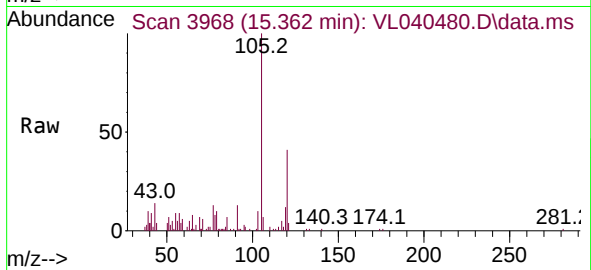
120 41.5 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2023

Supervised By :Mahesh Dadoda 06/16/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.764 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. -0.003 min

Lab File: VL040480.D

Acq: 15 Jun 2023 23:44

Tgt Ion:105 Resp: 243485

Ion Ratio Lower Upper

105 100

120 45.6 38.4 57.6

91 10.5 41.3 61.9#

77 13.3 18.6 28.0#

