

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040472.D
 Acq On : 15 Jun 2023 18:15
 Operator : SY/MD
 Sample : 03250-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-07

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 05:39:02 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	1148350	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3060471	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2802441	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2174454	9.401	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.000%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.729	85	74278	0.297	ppbv	93
9) Propene	2.697	41	132619	2.287	ppbv	92
13) Ethanol	3.243	45	122393	10.190	ppbv	99
15) Acetone	3.468	43	1098051	7.928	ppbv #	32
17) tert-Butyl alcohol	3.883	59	540925	4.751	ppbv	98
20) Methylene Chloride	3.938	84	20384	0.345	ppbv	96
26) Hexane	5.221	57	1117431	9.402	ppbv #	41
30) Cyclohexane	6.616	84	23975	0.250	ppbv	92
34) 2-Butanone	4.790	43	2166438	14.680	ppbv	98
36) Benzene	6.381	78	17427	0.072	ppbv #	85
44) 2,2,4-Trimethylpentane	7.340	57	81068	0.204	ppbv #	75
51) 2-Hexanone	9.571	43	332781	2.425	ppbv #	98
52) Tetrachloroethene	10.632	164	55166m	0.722	ppbv	
53) Toluene	9.237	91	75470	0.294	ppbv	95
58) Ethyl Benzene	12.111	91	34766m	0.102	ppbv	
59) m/p-Xylene	12.356	91	99287m	0.318	ppbv	
60) o-Xylene	13.073	91	53779	0.182	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	95607	0.276	ppbv #	66

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

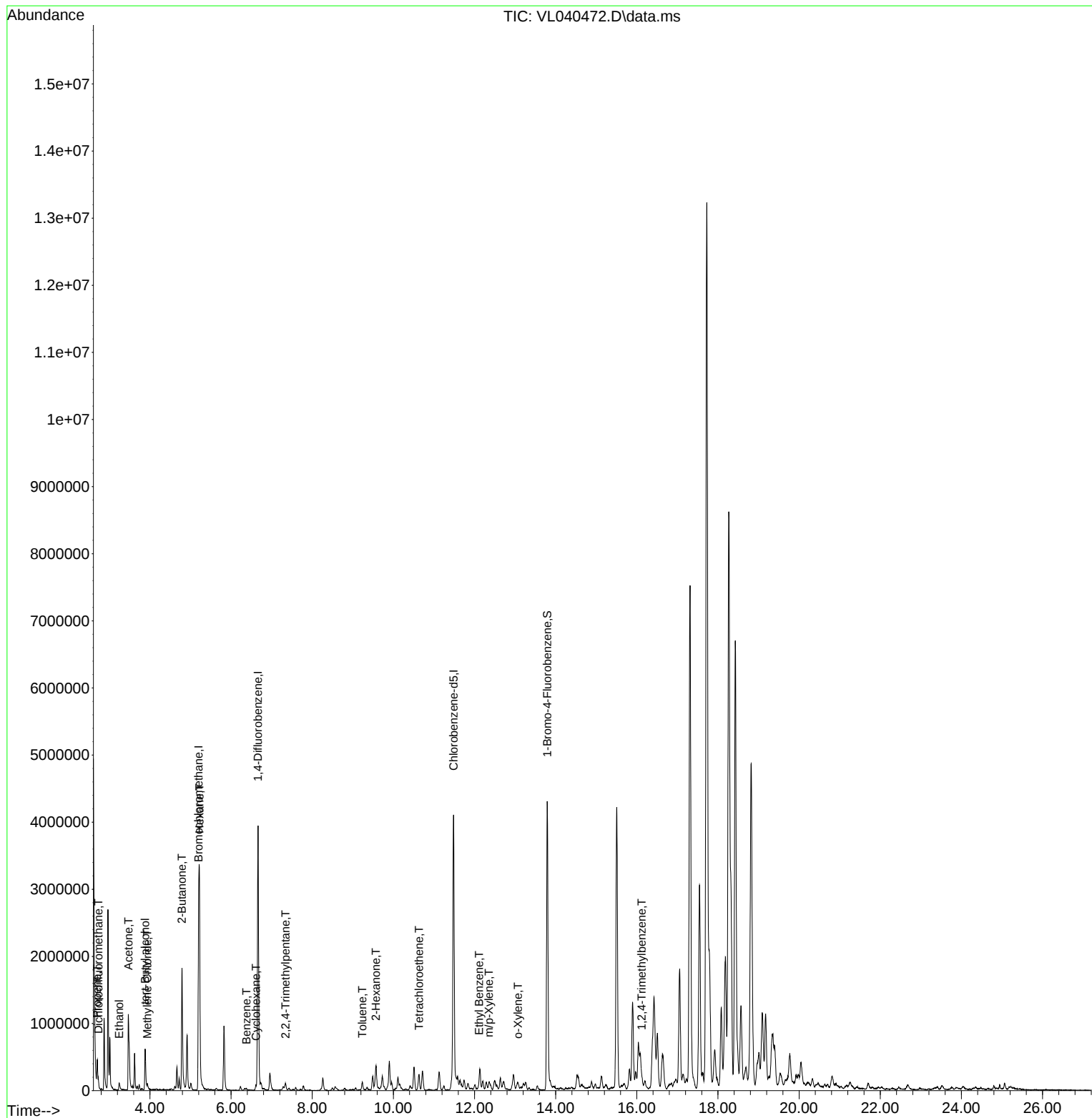
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
Data File : VL040472.D
Acq On : 15 Jun 2023 18:15
Operator : SY/MD
Sample : 03250-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

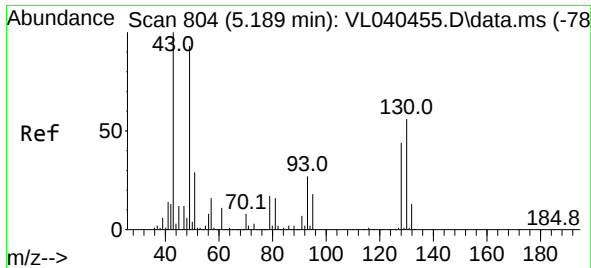
Instrument :
MSVOA_L
ClientSampleId :
SVP-07

Quant Time: Jun 16 05:39:02 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

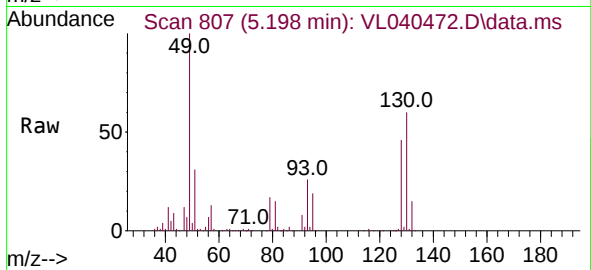
Reviewed By : Semsettin Yesilyurt 06/16/2023
Supervised By : Mahesh Dadoda 06/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

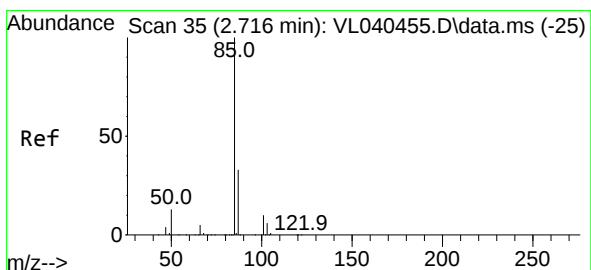
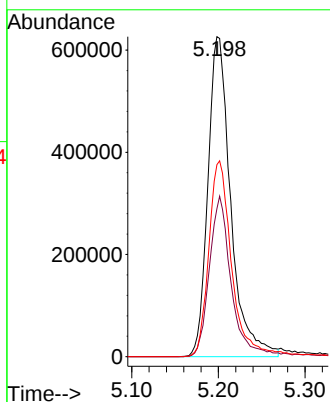
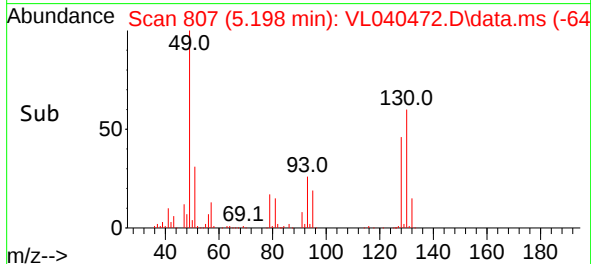
Instrument :
MSVOA_L
ClientSampleId :
SVP-07



Tgt Ion: 49 Resp: 1148350
Ion Ratio Lower Upper
49 100
128 48.9 24.7 74.1
130 62.8 31.4 94.2

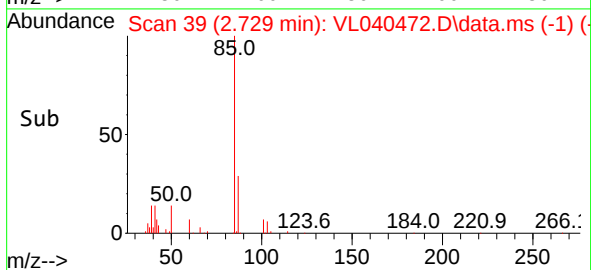
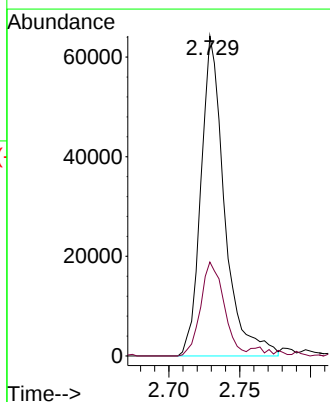
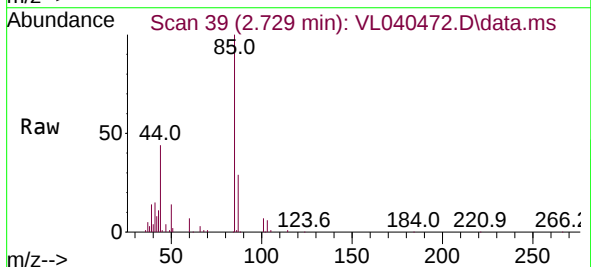
Manual Integrations
APPROVED

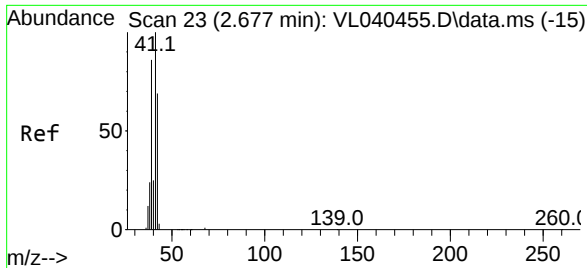
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#2
Dichlorodifluoromethane
Concen: 0.297 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

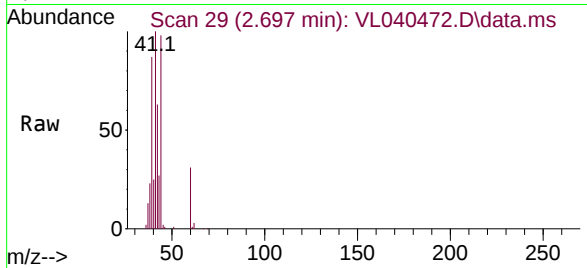
Tgt Ion: 85 Resp: 74278
Ion Ratio Lower Upper
85 100
87 29.4 26.6 39.8





#9
 Propene
 Concen: 2.287 ppbv
 RT: 2.697 min Scan# 24
 Delta R.T. 0.019 min
 Lab File: VL040472.D
 Acq: 15 Jun 2023 18:15

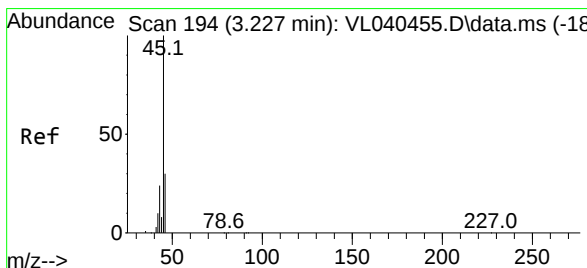
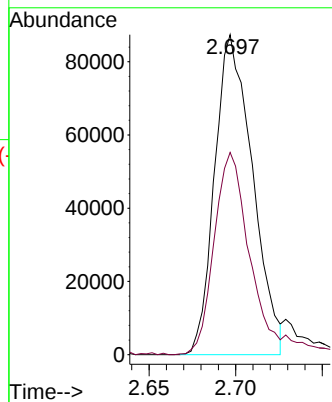
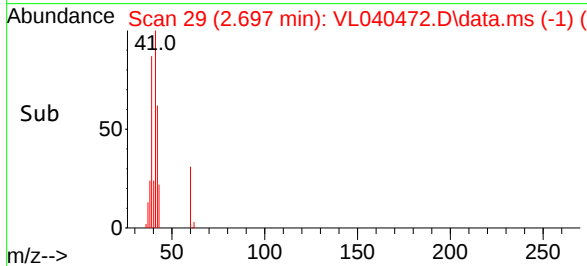
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-07



Tgt Ion: 41 Resp: 132619
 Ion Ratio Lower Upper
 41 100
 42 63.2 56.2 84.2

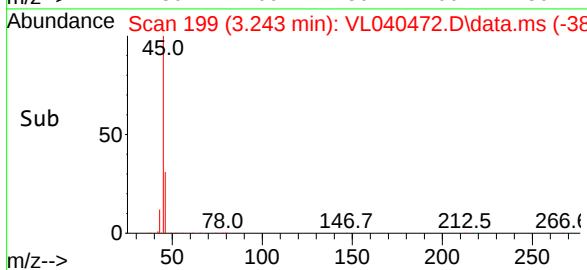
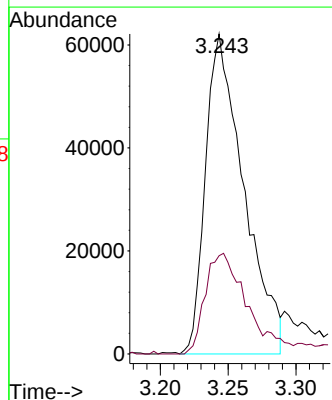
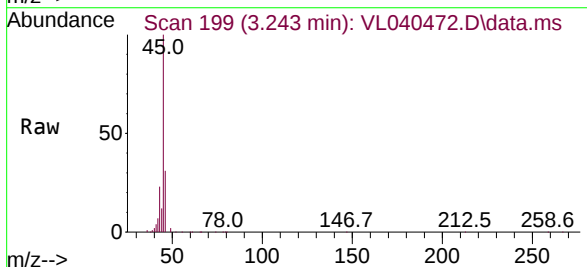
Manual Integrations
 APPROVED

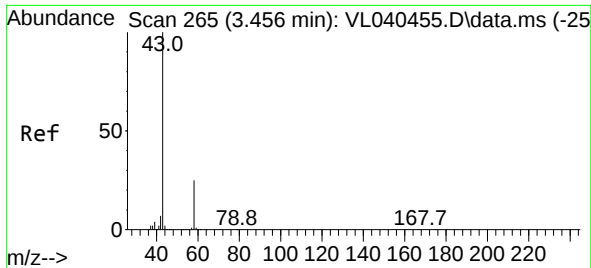
Reviewed By :Semsettin Yesilyurt 06/16/2023
 Supervised By :Mahesh Dadoda 06/16/2023



#13
 Ethanol
 Concen: 10.190 ppbv
 RT: 3.243 min Scan# 199
 Delta R.T. 0.016 min
 Lab File: VL040472.D
 Acq: 15 Jun 2023 18:15

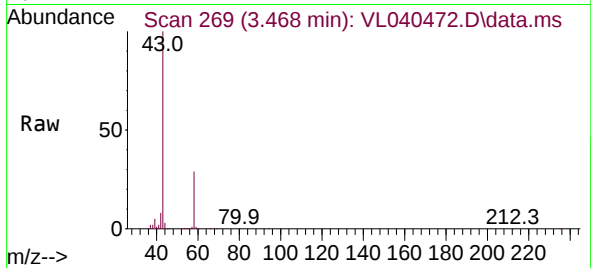
Tgt Ion: 45 Resp: 122393
 Ion Ratio Lower Upper
 45 100
 46 37.1 14.5 58.1





#15
Acetone
Concen: 7.928 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

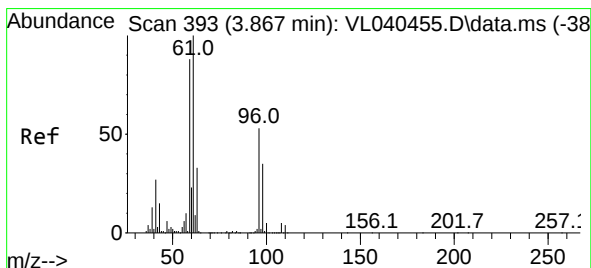
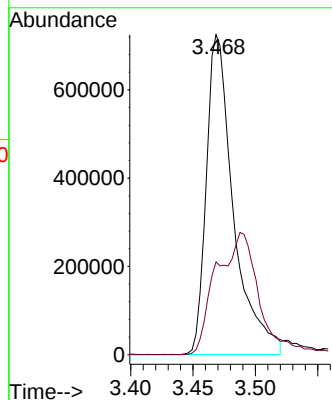
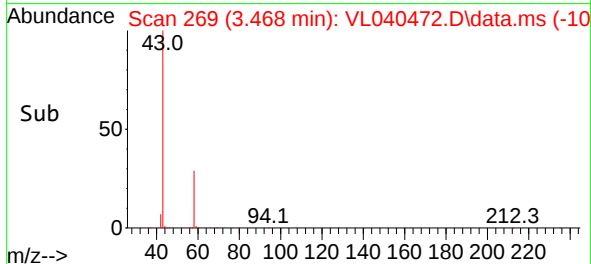
Instrument :
MSVOA_L
ClientSampleId :
SVP-07



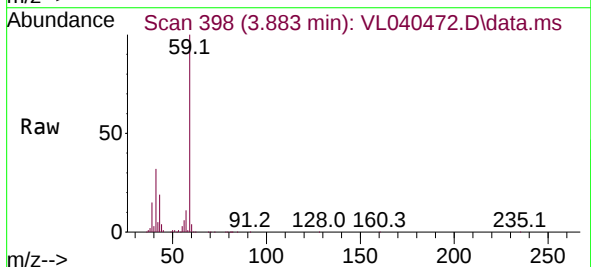
Tgt Ion: 43 Resp: 109805
Ion Ratio Lower Upper
43 100
58 62.3 21.6 32.4

Manual Integrations
APPROVED

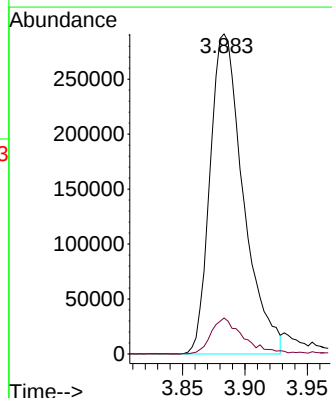
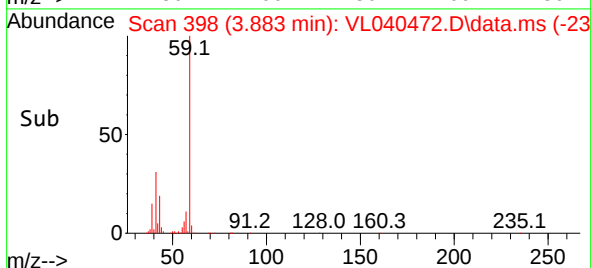
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

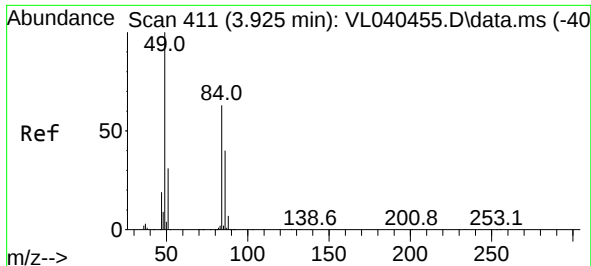


#17
tert-Butyl alcohol
Concen: 4.751 ppbv
RT: 3.883 min Scan# 398
Delta R.T. 0.016 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15



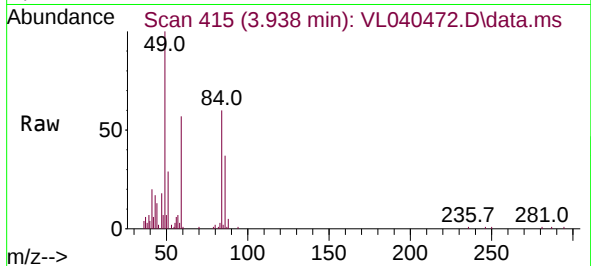
Tgt Ion: 59 Resp: 540925
Ion Ratio Lower Upper
59 100
57 11.6 8.8 13.2





#20
Methylene Chloride
Concen: 0.345 ppbv
RT: 3.938 min Scan# 411
Delta R.T. 0.013 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

Instrument :
MSVOA_L
ClientSampleId :
SVP-07

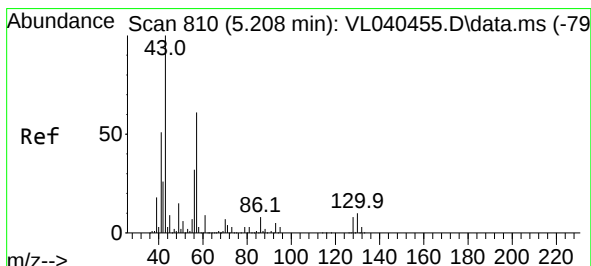
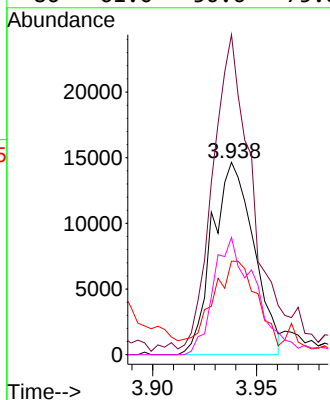
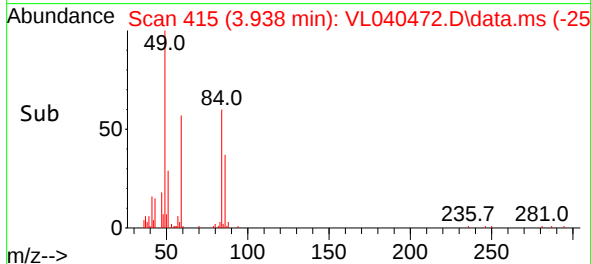


Tgt Ion: 84 Resp: 20384

Ion	Ratio	Lower	Upper
84	100		
49	163.4	126.2	189.2
51	43.9	38.7	58.1
86	61.0	50.6	75.8

Manual Integrations
APPROVED

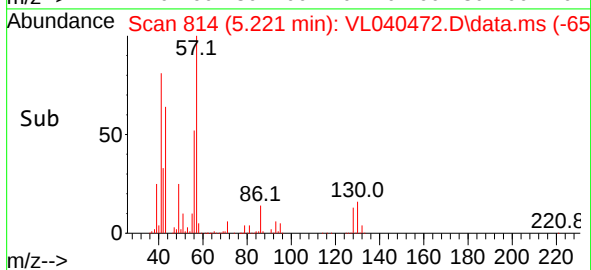
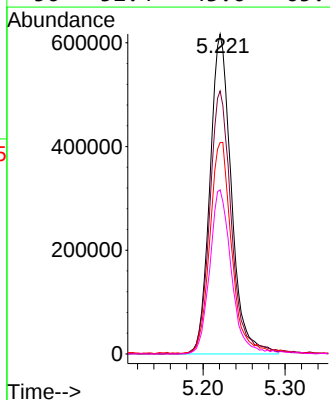
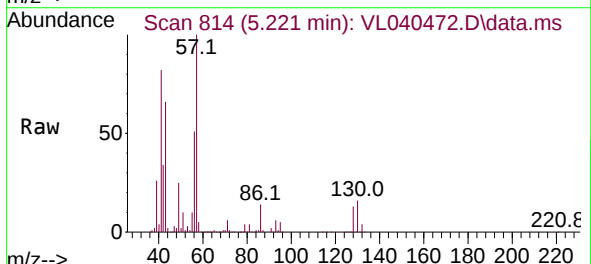
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

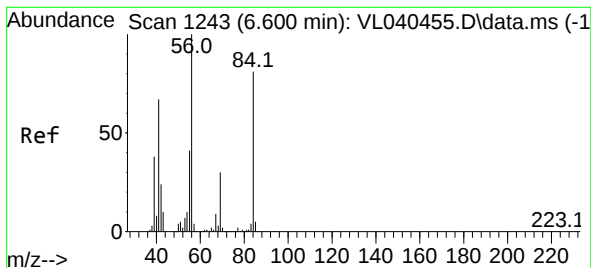


#26
Hexane
Concen: 9.402 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

Tgt Ion: 57 Resp: 1117431

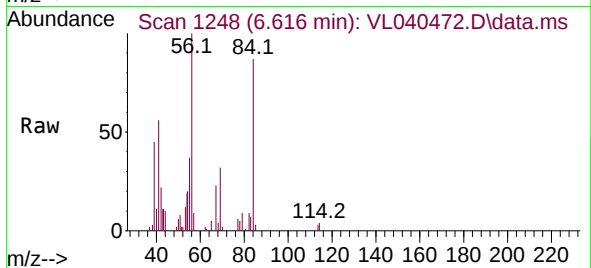
Ion	Ratio	Lower	Upper
57	100		
41	84.8	73.0	109.6
43	68.4	177.5	266.3#
56	52.4	43.6	65.4





#30
Cyclohexane
Concen: 0.250 ppbv
RT: 6.616 min Scan# 1243
Delta R.T. 0.016 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

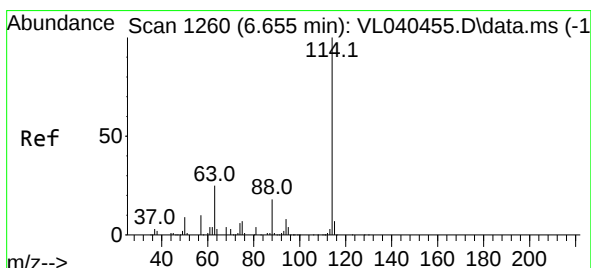
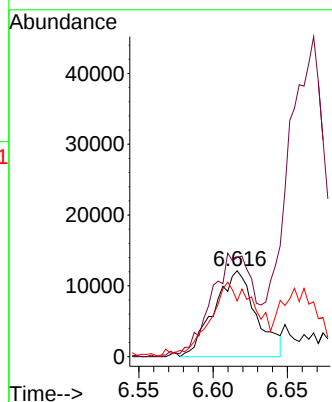
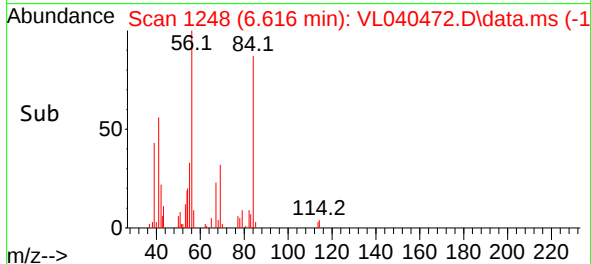
Instrument :
MSVOA_L
ClientSampleId :
SVP-07



Tgt Ion: 84 Resp: 2397
Ion Ratio Lower Upper
84 100
56 120.7 106.0 159.0
41 86.7 66.8 100.2

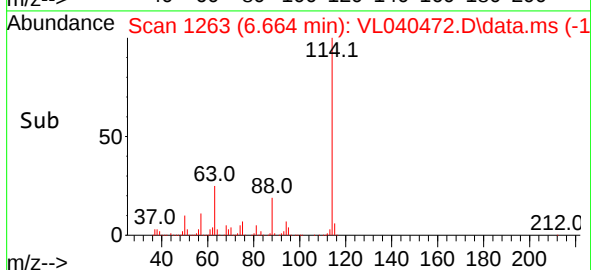
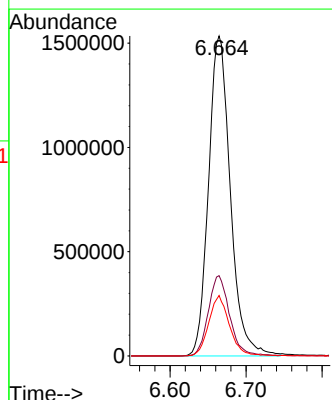
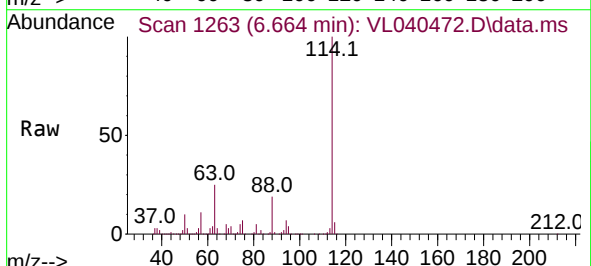
Manual Integrations
APPROVED

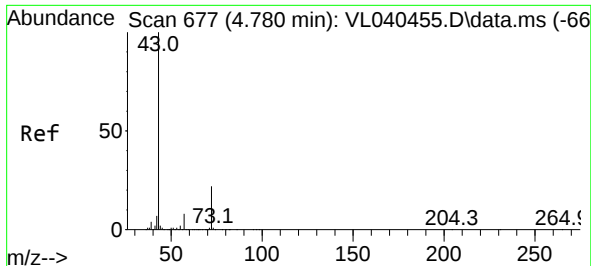
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

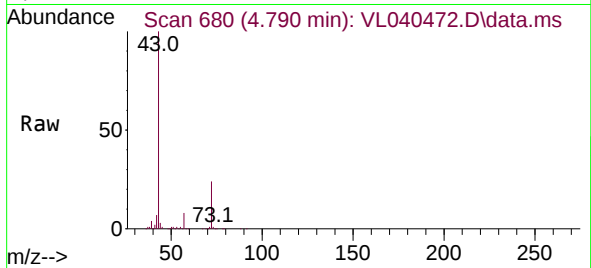
Tgt Ion:114 Resp: 3060471
Ion Ratio Lower Upper
114 100
63 24.7 21.0 31.6
88 18.0 14.5 21.7





#34
2-Butanone
Concen: 14.680 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

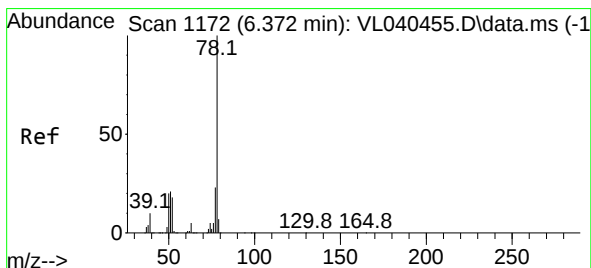
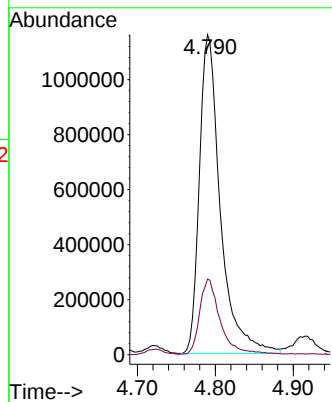
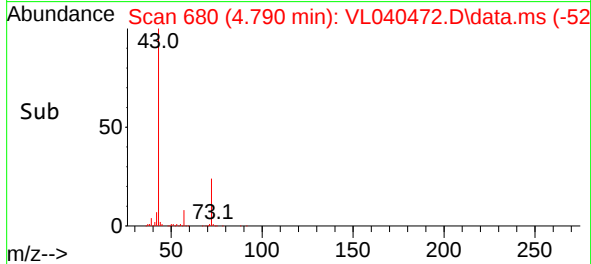
Instrument :
MSVOA_L
ClientSampleId :
SVP-07



Tgt Ion: 43 Resp: 2166438
Ion Ratio Lower Upper
43 100
72 23.5 18.1 27.1

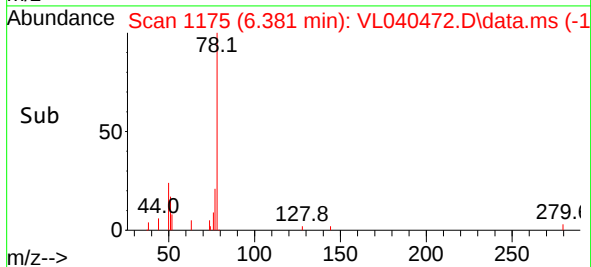
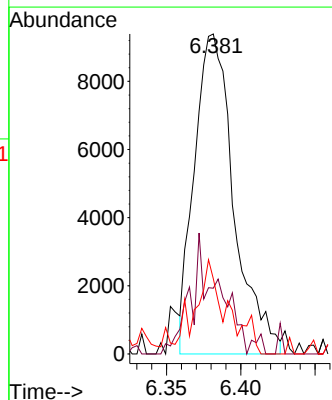
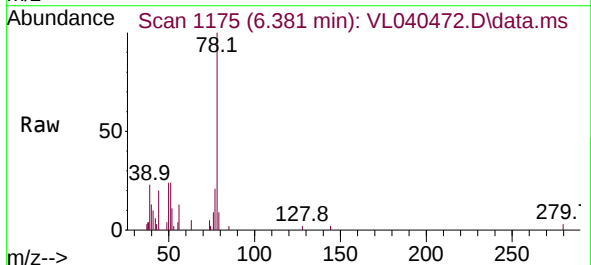
Manual Integrations
APPROVED

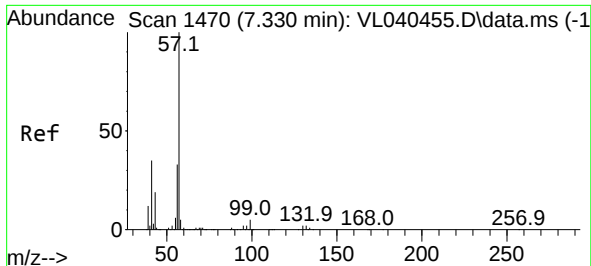
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#36
Benzene
Concen: 0.072 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. 0.010 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

Tgt Ion: 78 Resp: 17427
Ion Ratio Lower Upper
78 100
77 13.3 18.5 27.7#
50 24.5 16.1 24.1#





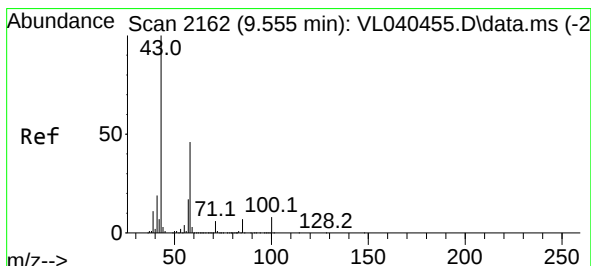
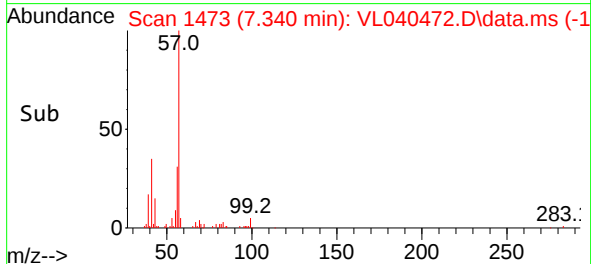
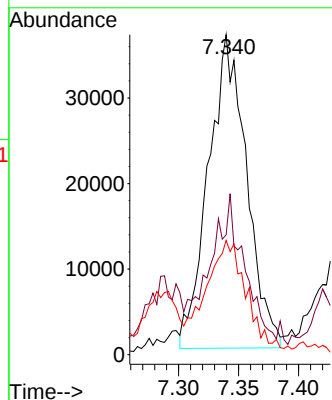
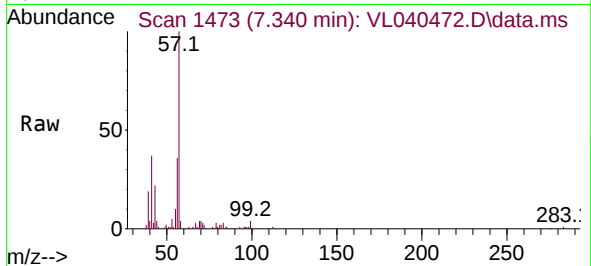
#44
2,2,4-Trimethylpentane
Concen: 0.204 ppbv
RT: 7.340 min Scan# 1470
Delta R.T. 0.010 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

Instrument :
MSVOA_L
ClientSampleId :
SVP-07

Tgt Ion: 57 Resp: 8106
Ion Ratio Lower Upper
57 100
41 50.5 27.8 41.8
56 44.3 25.3 37.9

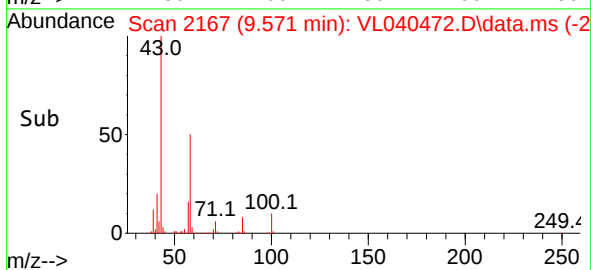
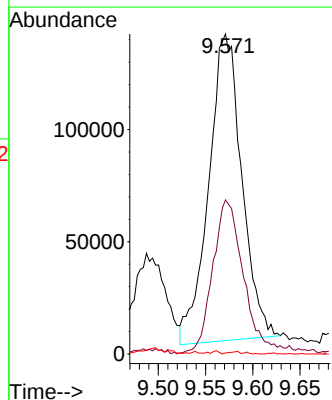
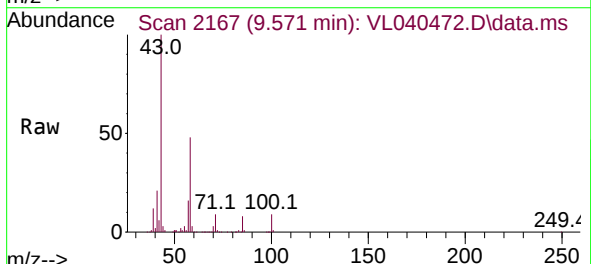
Manual Integrations
APPROVED

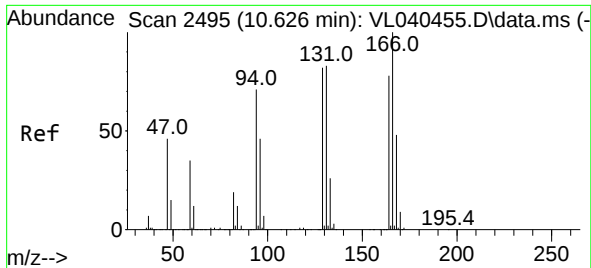
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#51
2-Hexanone
Concen: 2.425 ppbv
RT: 9.571 min Scan# 2167
Delta R.T. 0.016 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

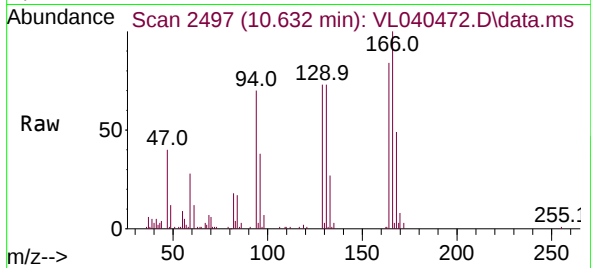
Tgt Ion: 43 Resp: 332781
Ion Ratio Lower Upper
43 100
58 47.7 37.1 55.7
98 0.8 0.5 0.7





#52
Tetrachloroethene
Concen: 0.722 ppbv m
RT: 10.632 min Scan# 2495
Delta R.T. 0.006 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

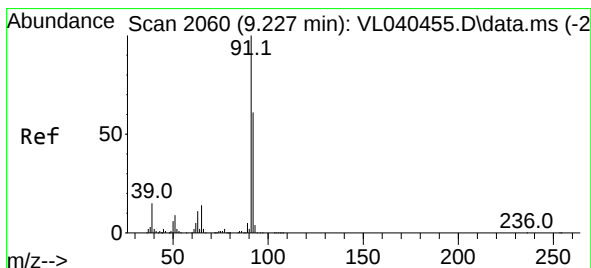
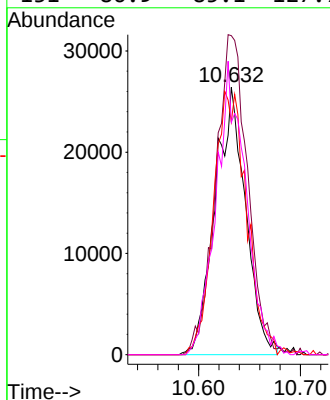
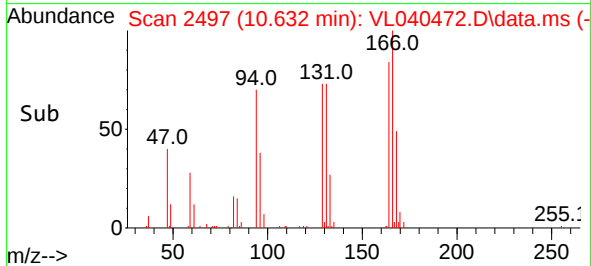
Instrument :
MSVOA_L
ClientSampleId :
SVP-07



Tgt Ion:164 Resp: 55160
Ion Ratio Lower Upper
164 100
166 119.3 102.7 154.1
129 87.1 84.6 126.8
131 86.9 85.1 127.7

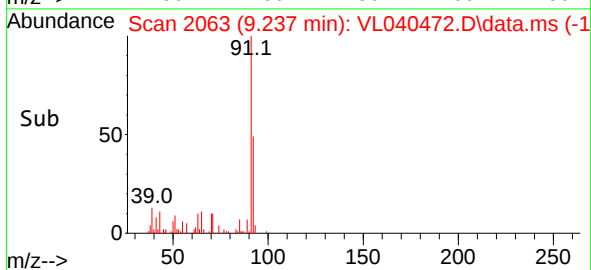
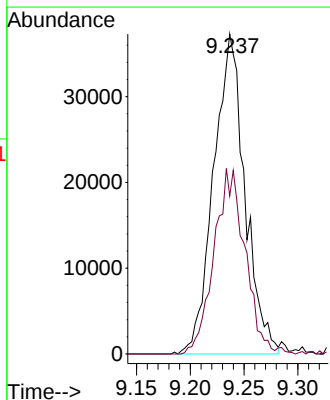
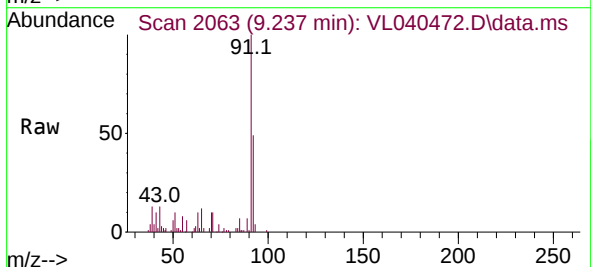
Manual Integrations
APPROVED

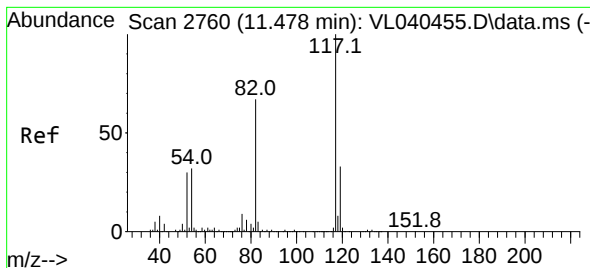
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#53
Toluene
Concen: 0.294 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.010 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

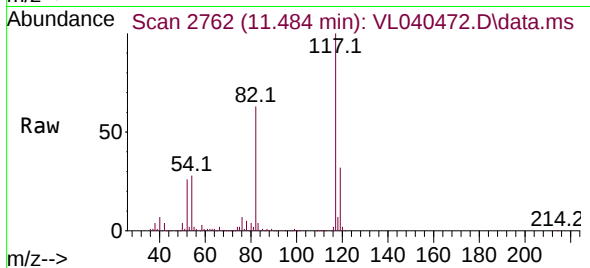
Tgt Ion: 91 Resp: 75470
Ion Ratio Lower Upper
91 100
92 57.7 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

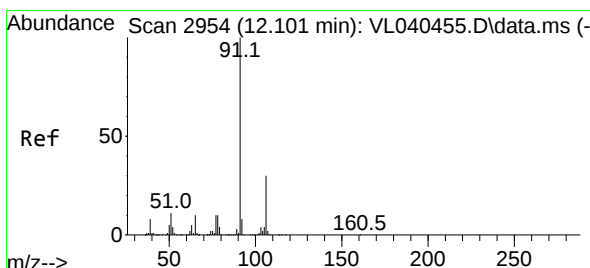
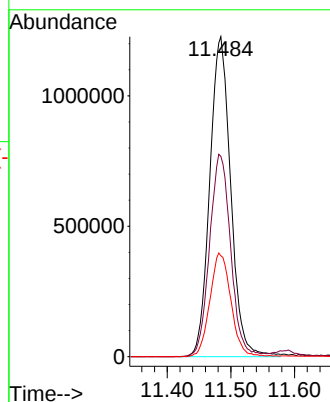
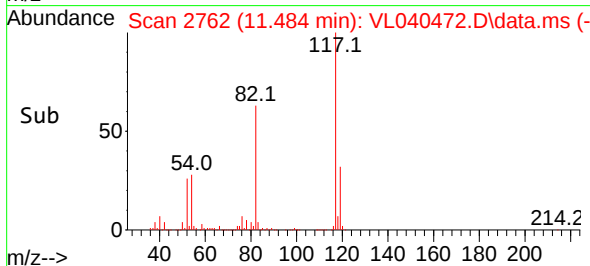
Instrument :
MSVOA_L
ClientSampleId :
SVP-07



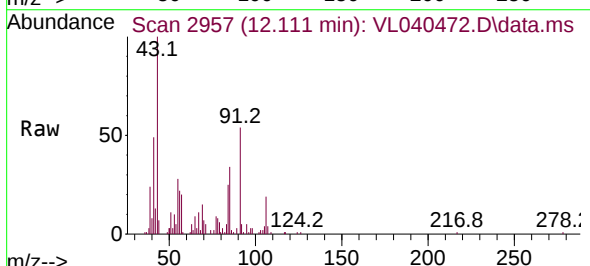
Tgt Ion:117 Resp: 280244
Ion Ratio Lower Upper
117 100
82 64.1 53.0 79.4
119 33.0 24.4 36.6

Manual Integrations
APPROVED

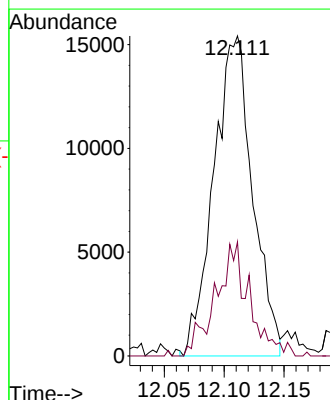
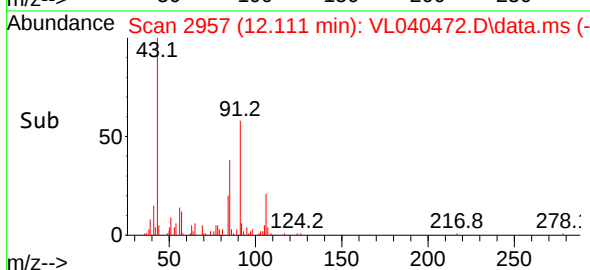
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

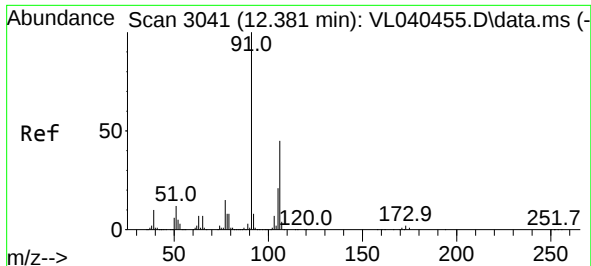


#58
Ethyl Benzene
Concen: 0.102 ppbv m
RT: 12.111 min Scan# 2957
Delta R.T. 0.010 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15



Tgt Ion: 91 Resp: 34766
Ion Ratio Lower Upper
91 100
106 35.6 23.7 35.5#





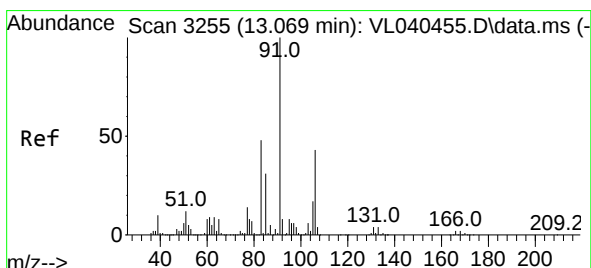
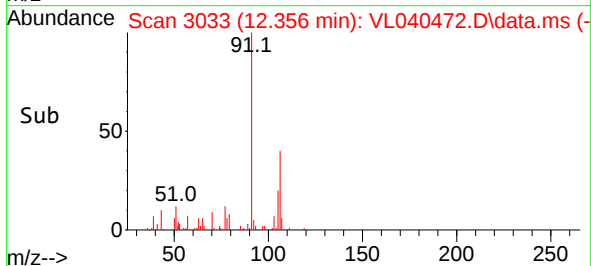
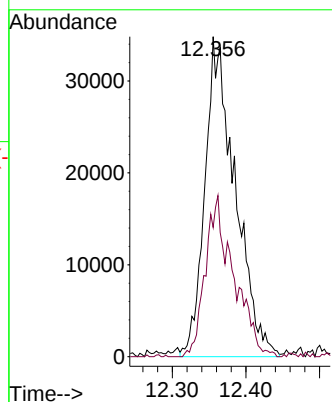
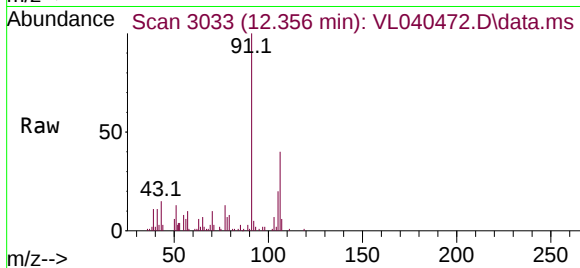
#59
m/p-Xylene
Concen: 0.318 ppbv m
RT: 12.356 min Scan# 3041
Delta R.T. -0.026 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

Instrument :
MSVOA_L
ClientSampleId :
SVP-07

Tgt Ion: 91 Resp: 9928
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0

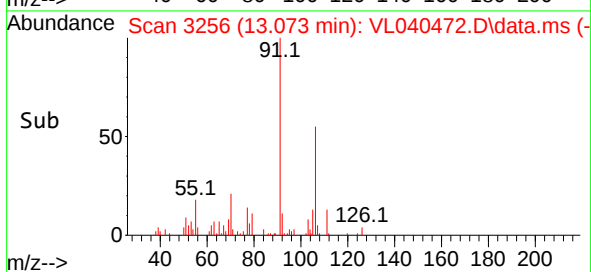
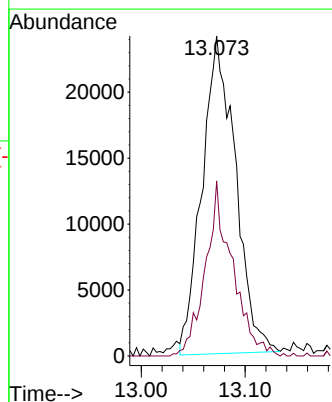
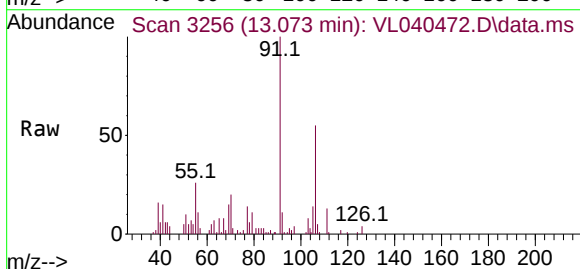
Manual Integrations
APPROVED

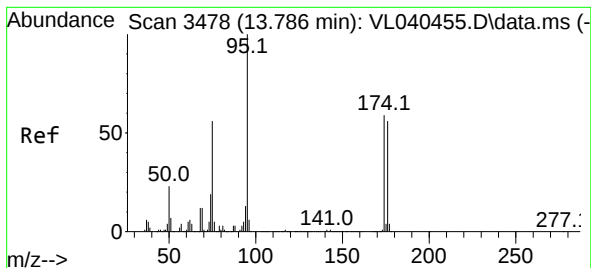
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#60
o-Xylene
Concen: 0.182 ppbv
RT: 13.073 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

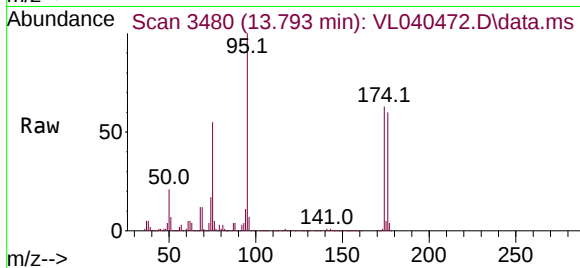
Tgt Ion: 91 Resp: 53779
Ion Ratio Lower Upper
91 100
106 44.6 22.1 66.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.401 ppbv
RT: 13.793 min Scan# 3478
Delta R.T. 0.006 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15

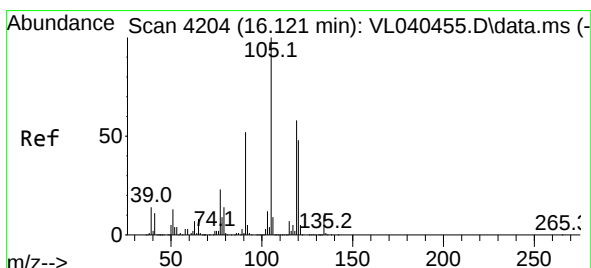
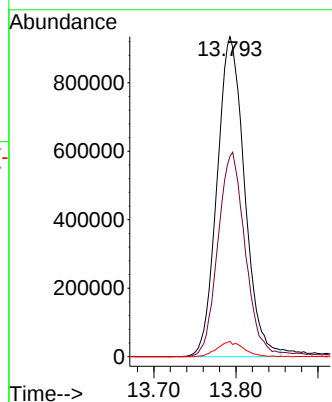
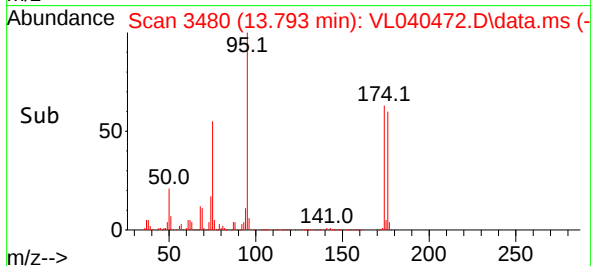
Instrument :
MSVOA_L
ClientSampleId :
SVP-07



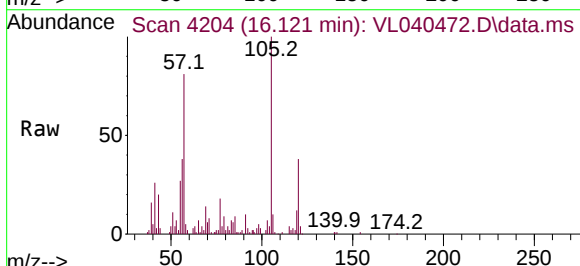
Tgt Ion: 95 Resp: 2174454
Ion Ratio Lower Upper
95 100
174 65.6 47.7 71.5
175 4.7 3.5 5.3

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.276 ppbv
RT: 16.121 min Scan# 4204
Delta R.T. 0.000 min
Lab File: VL040472.D
Acq: 15 Jun 2023 18:15



Tgt Ion:105 Resp: 95607
Ion Ratio Lower Upper
105 100
120 37.9 38.4 57.6#
91 9.2 41.3 61.9#
77 16.1 18.6 28.0#

