

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040469.D
 Acq On : 15 Jun 2023 16:01
 Operator : SY/MD
 Sample : 03250-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 05:37:12 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	1063731	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.664	114	2698748	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2554248	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2144447	10.172	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.729	85	178906	0.773	ppbv	94
4) Chloromethane	2.812	50	15105	0.224	ppbv	97
9) Propene	2.693	41	1698595	31.616	ppbv	93
10) Heptane	7.594	43	89709	0.738	ppbv	96
13) Ethanol	3.237	45	106966m	9.614	ppbv	
15) Acetone	3.468	43	2197969	17.131	ppbv #	33
17) tert-Butyl alcohol	3.880	59	811030	7.690	ppbv	100
20) Methylene Chloride	3.938	84	332795	6.077	ppbv	97
26) Hexane	5.221	57	496250	4.508	ppbv #	39
27) Carbon Disulfide	4.131	76	22210	0.161	ppbv #	89
34) 2-Butanone	4.787	43	4832922	37.137	ppbv	96
36) Benzene	6.378	78	160878	0.749	ppbv	97
44) 2,2,4-Trimethylpentane	7.340	57	158023	0.450	ppbv #	74
51) 2-Hexanone	9.565	43	942207	7.787	ppbv	95
52) Tetrachloroethene	10.632	164	41532	0.616	ppbv	89
53) Toluene	9.233	91	226999	1.004	ppbv	98
58) Ethyl Benzene	12.105	91	110205m	0.356	ppbv	
59) m/p-Xylene	12.362	91	280006	0.984	ppbv	97
60) o-Xylene	13.076	91	168552	0.625	ppbv	98
72) 4-Ethyltoluene	15.214	105	49878	0.164	ppbv #	83
73) 1,3,5-Trimethylbenzene	15.365	105	68494	0.255	ppbv	93
74) 1,2,4-Trimethylbenzene	16.121	105	305660	0.967	ppbv #	68

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

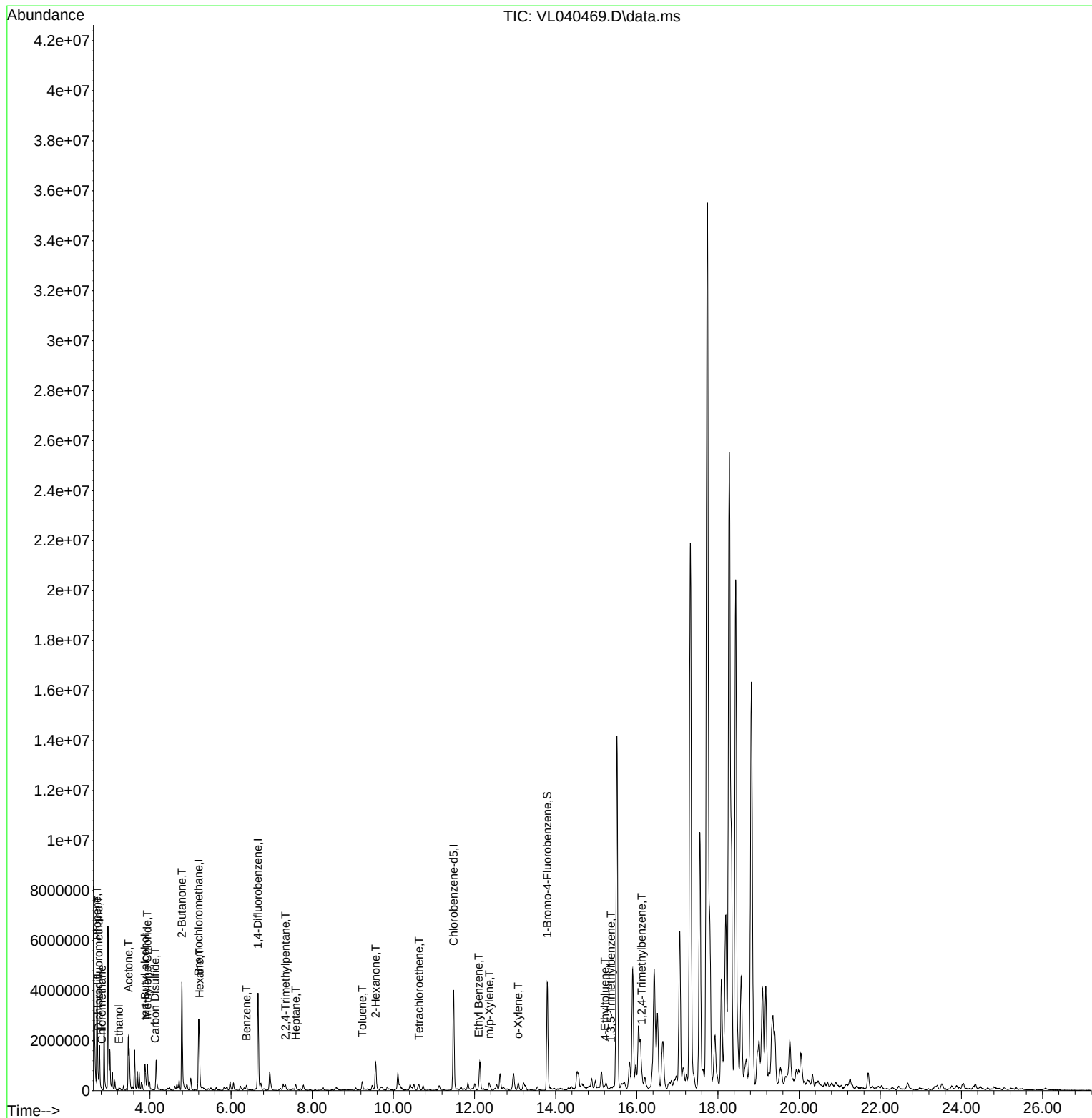
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
Data File : VL040469.D
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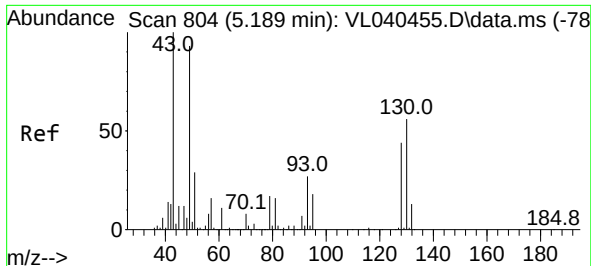
Instrument :
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ClientSampleId :
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Quant Time: Jun 16 05:37:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration

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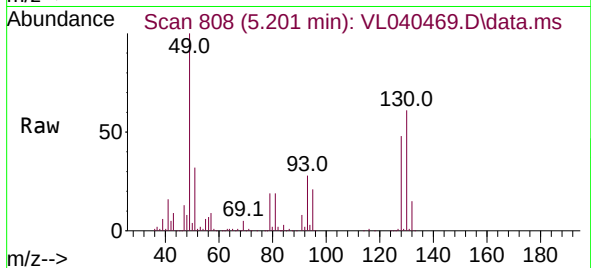
Reviewed By : Semsettin Yesilyurt 06/16/2023
Supervised By : Mahesh Dadoda 06/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.012 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

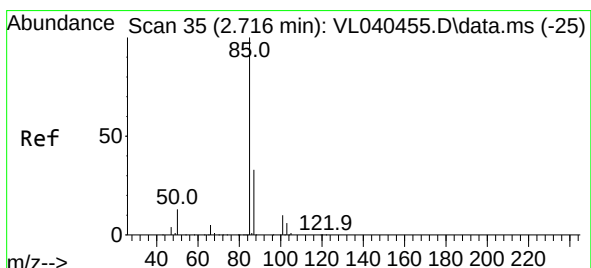
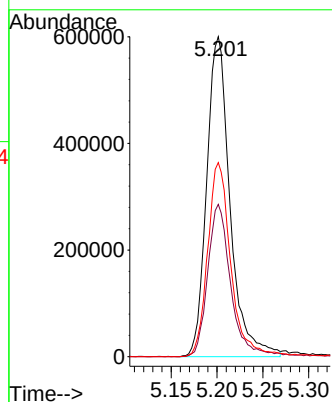
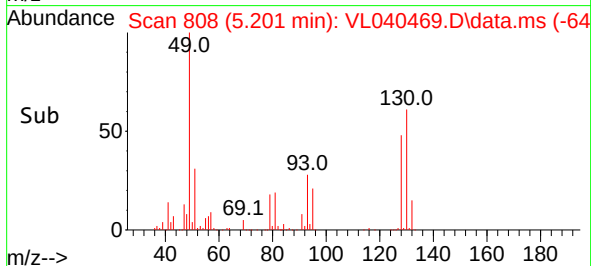
Instrument :
MSVOA_L
ClientSampleId :
SVP-02



Tgt Ion: 49 Resp: 106373
Ion Ratio Lower Upper
49 100
128 47.9 24.7 74.1
130 61.3 31.4 94.2

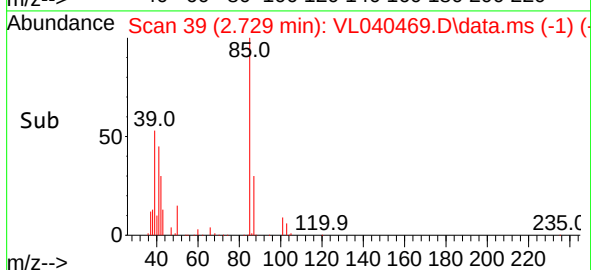
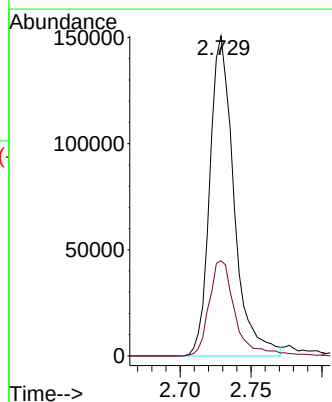
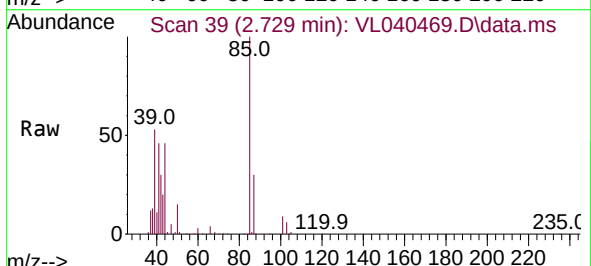
Manual Integrations
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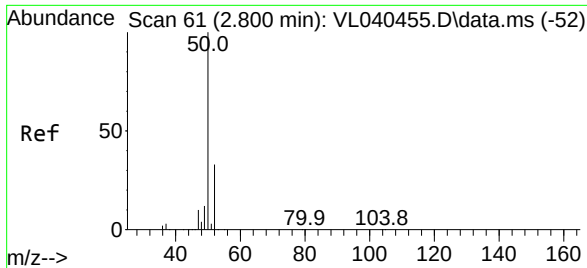
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#2
Dichlorodifluoromethane
Concen: 0.773 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

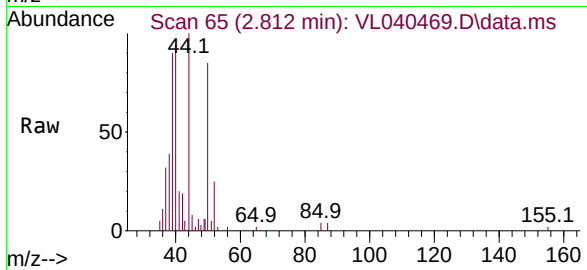
Tgt Ion: 85 Resp: 178906
Ion Ratio Lower Upper
85 100
87 29.8 26.6 39.8





#4
Chloromethane
Concen: 0.224 ppbv
RT: 2.812 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

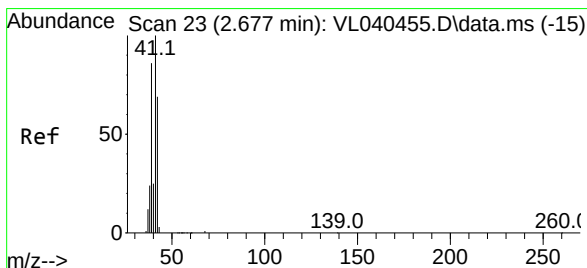
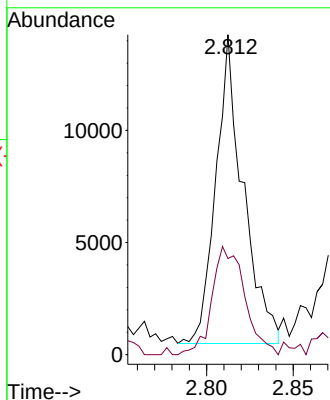
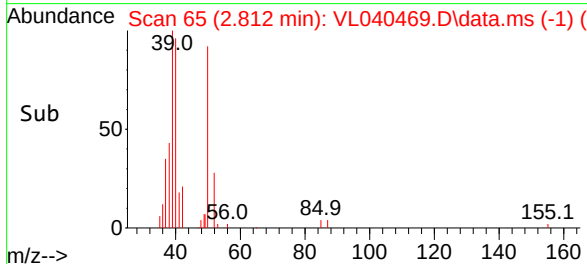
Instrument :
MSVOA_L
ClientSampleId :
SVP-02



Tgt Ion: 50 Resp: 1510
Ion Ratio Lower Upper
50 100
52 31.1 26.3 39.5

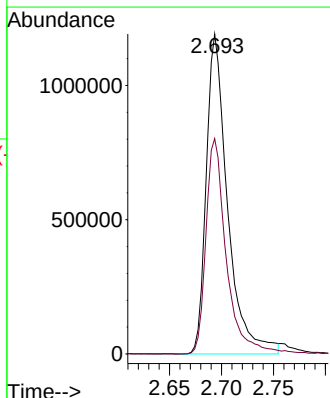
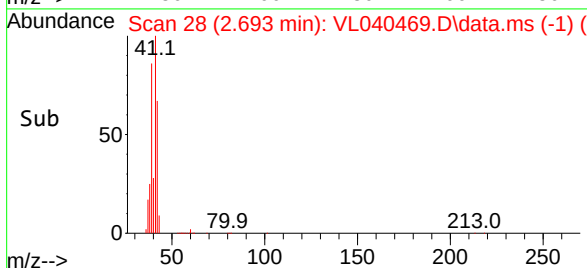
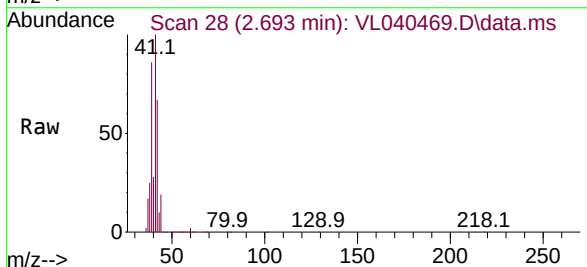
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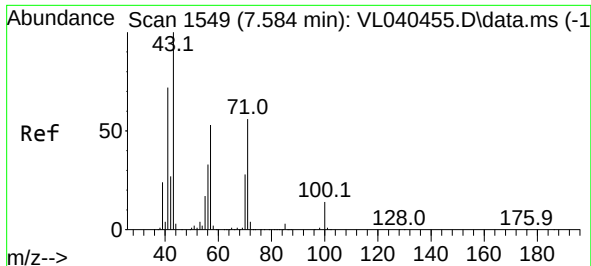
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#9
Propene
Concen: 31.616 ppbv
RT: 2.693 min Scan# 28
Delta R.T. 0.016 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

Tgt Ion: 41 Resp: 1698595
Ion Ratio Lower Upper
41 100
42 64.7 56.2 84.2





#10

Heptane

Concen: 0.738 ppbv

RT: 7.594 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL040469.D

Acq: 15 Jun 2023 16:01

Instrument :

MSVOA_L

ClientSampleId :

SVP-02

Tgt Ion: 43 Resp: 89709

Ion Ratio Lower Upper

43 100

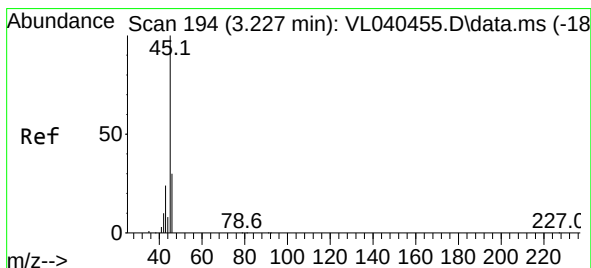
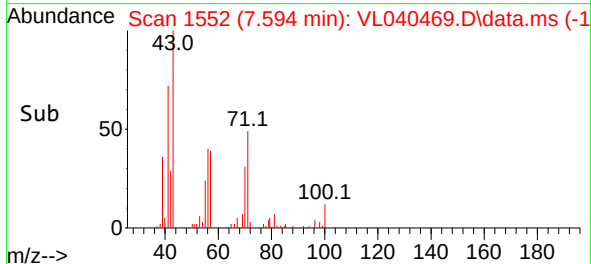
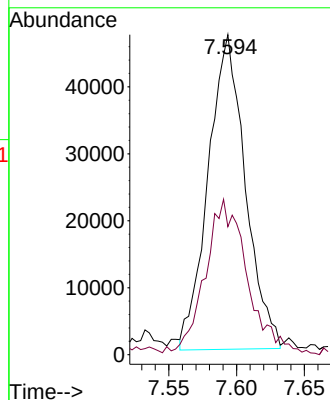
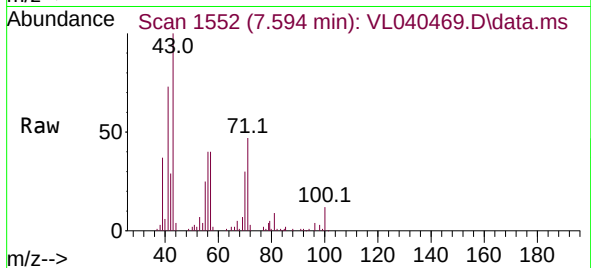
57 56.2 42.5 63.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2023

Supervised By :Mahesh Dadoda 06/16/2023



#13

Ethanol

Concen: 9.614 ppbv m

RT: 3.237 min Scan# 197

Delta R.T. 0.010 min

Lab File: VL040469.D

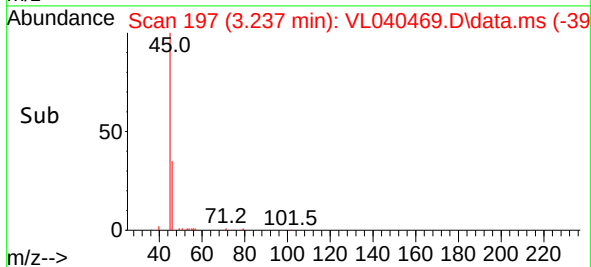
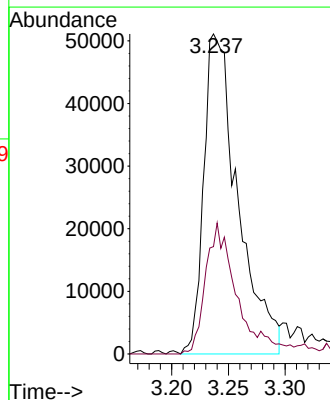
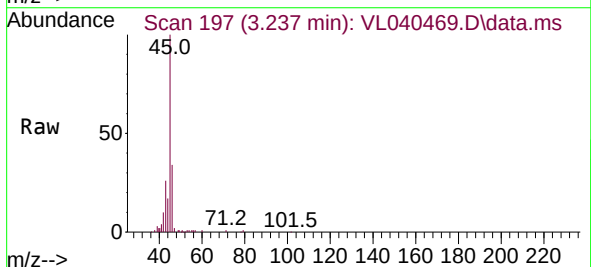
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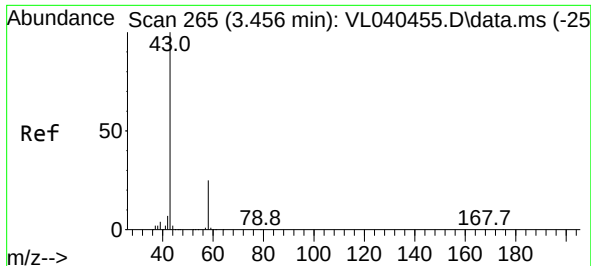
Tgt Ion: 45 Resp: 106966

Ion Ratio Lower Upper

45 100

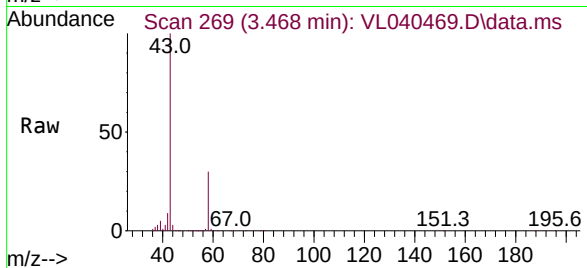
46 39.5 14.5 58.1





#15
Acetone
Concen: 17.131 ppbv
RT: 3.468 min Scan# 2197969
Delta R.T. 0.013 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

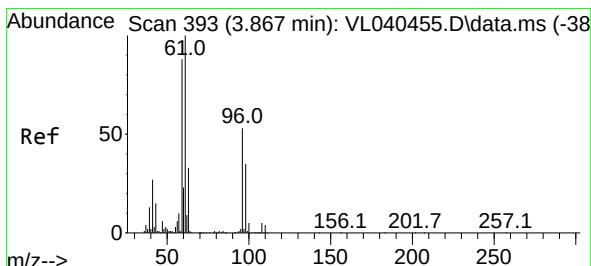
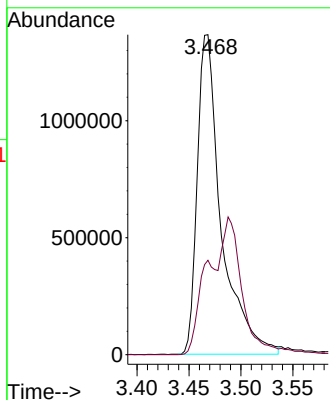
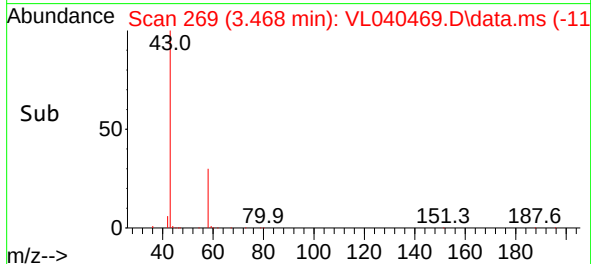
Instrument :
MSVOA_L
ClientSampleId :
SVP-02



Tgt Ion: 43 Resp: 2197969
Ion Ratio Lower Upper
43 100
58 61.4 21.6 32.4

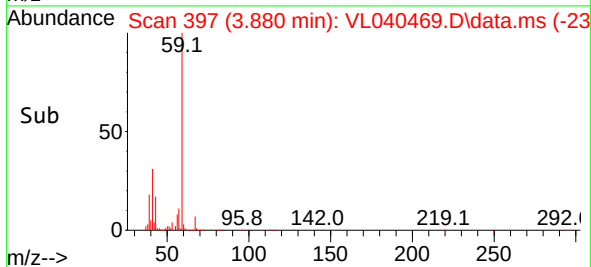
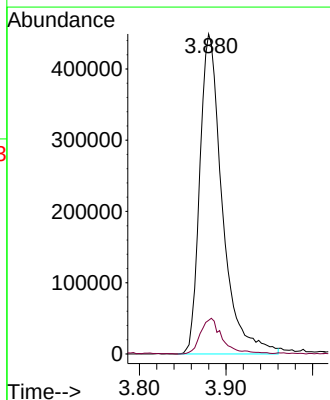
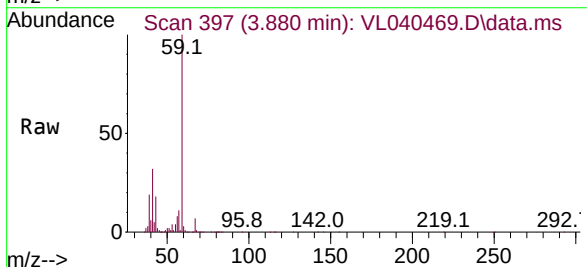
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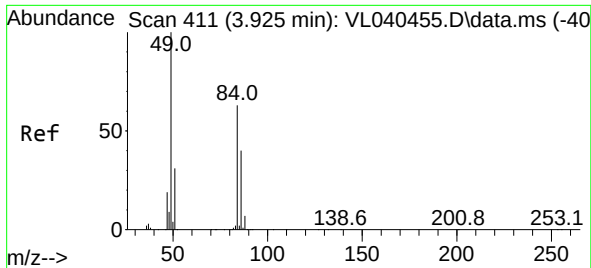
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#17
tert-Butyl alcohol
Concen: 7.690 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.013 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

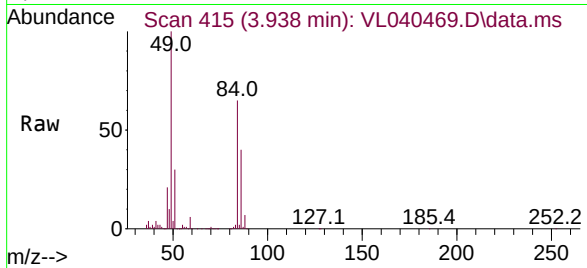
Tgt Ion: 59 Resp: 811030
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2





#20
Methylene Chloride
Concen: 6.077 ppbv
RT: 3.938 min Scan# 411
Delta R.T. 0.013 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

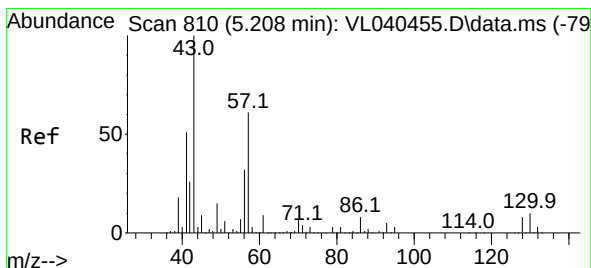
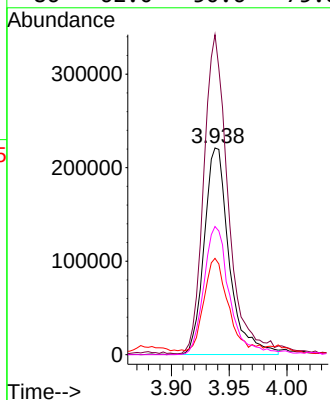
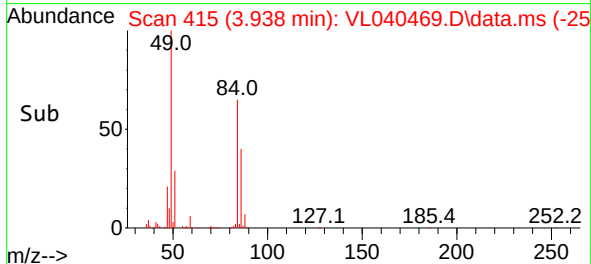
Instrument :
MSVOA_L
ClientSampleId :
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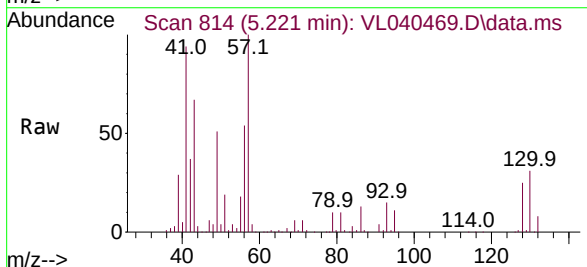
Tgt Ion: 84 Resp: 33279
Ion Ratio Lower Upper
84 100
49 154.4 126.2 189.2
51 44.7 38.7 58.1
86 62.0 50.6 75.8

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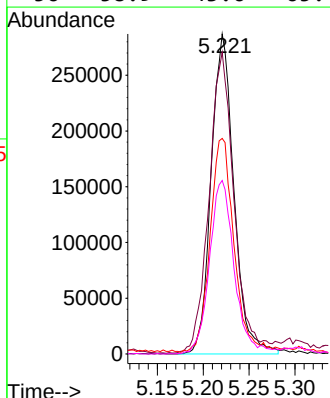
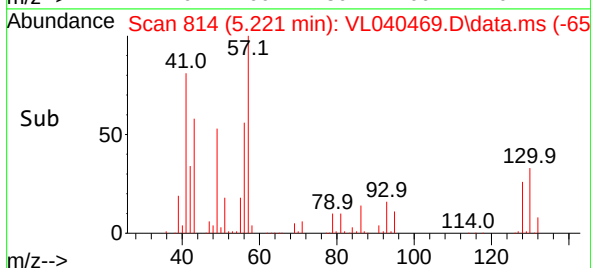
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

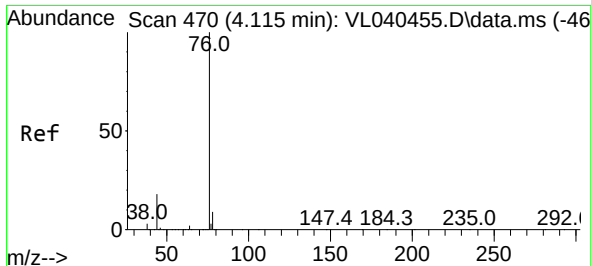


#26
Hexane
Concen: 4.508 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01



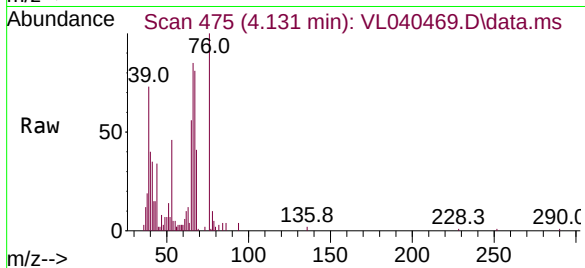
Tgt Ion: 57 Resp: 496250
Ion Ratio Lower Upper
57 100
41 108.4 73.0 109.6
43 72.4 177.5 266.3#
56 58.9 43.6 65.4





#27
Carbon Disulfide
Concen: 0.161 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

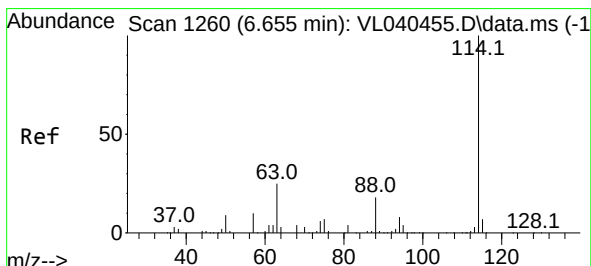
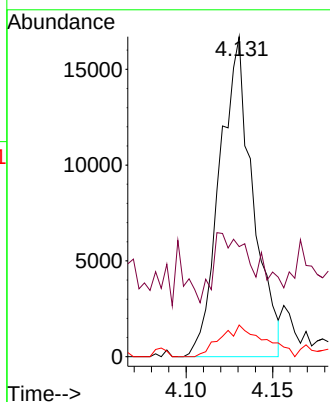
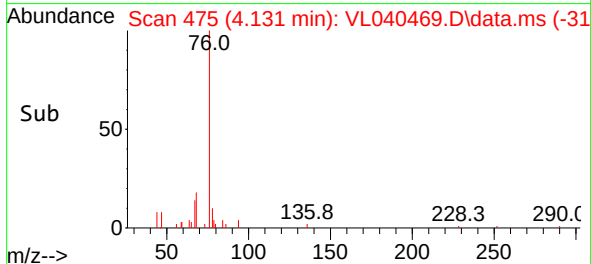
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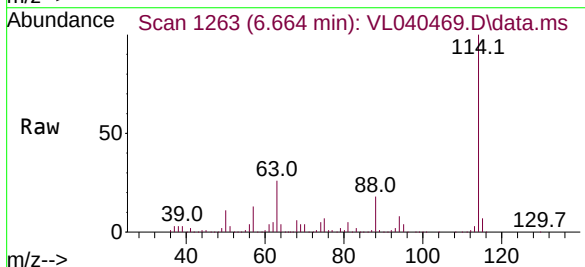
Tgt Ion: 76 Resp: 22210
Ion Ratio Lower Upper
76 100
44 23.8 14.6 22.0
78 12.9 7.6 11.4

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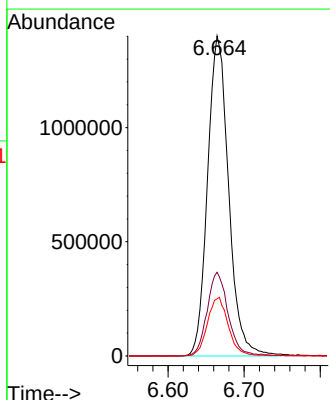
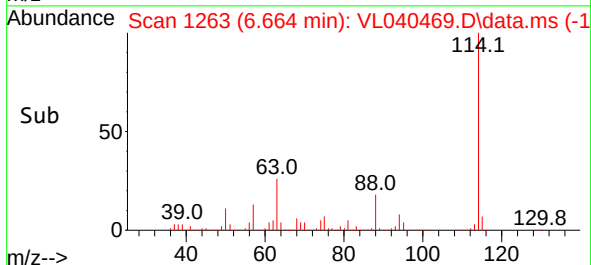
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

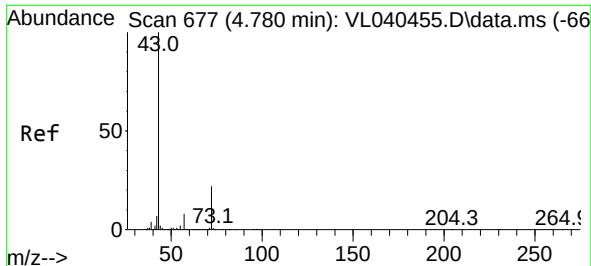


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01



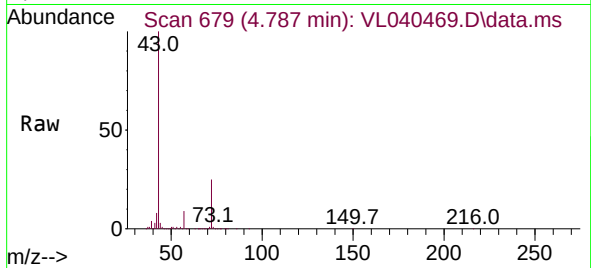
Tgt Ion:114 Resp: 2698748
Ion Ratio Lower Upper
114 100
63 26.3 21.0 31.6
88 18.2 14.5 21.7





#34
2-Butanone
Concen: 37.137 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

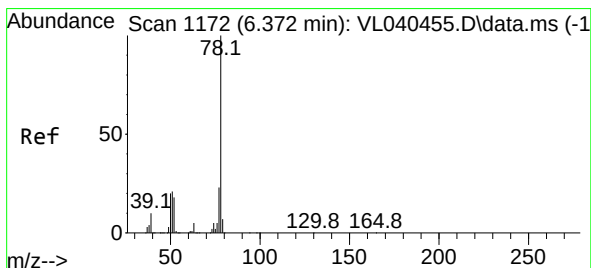
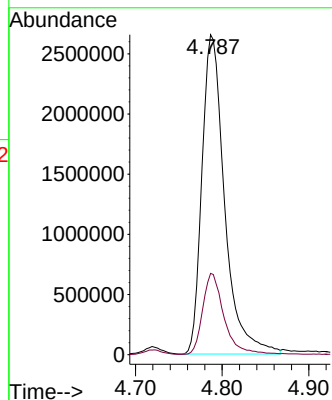
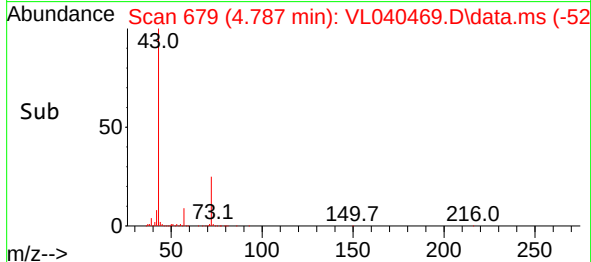
Instrument :
MSVOA_L
ClientSampleId :
SVP-02



Tgt Ion: 43 Resp: 483292
Ion Ratio Lower Upper
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72 24.4 18.1 27.1

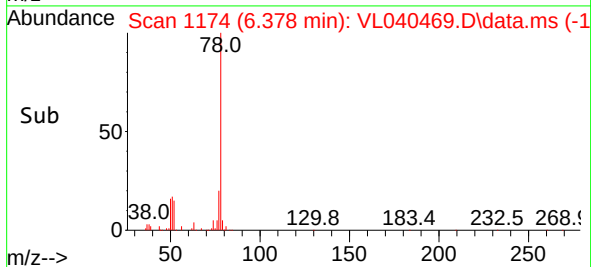
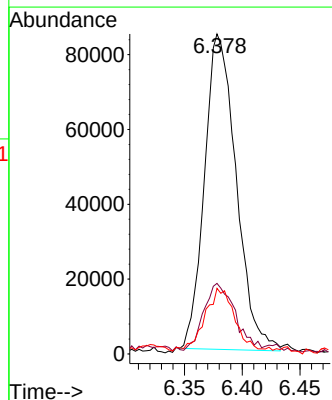
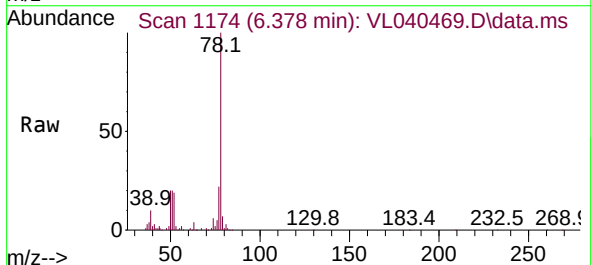
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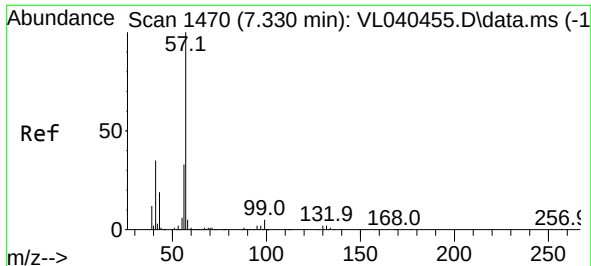
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#36
Benzene
Concen: 0.749 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

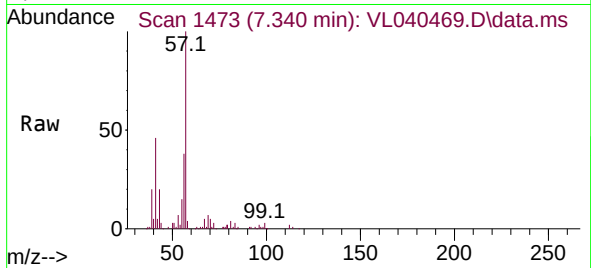
Tgt Ion: 78 Resp: 160878
Ion Ratio Lower Upper
78 100
77 21.1 18.5 27.7
50 19.5 16.1 24.1





#44
2,2,4-Trimethylpentane
Concen: 0.450 ppbv
RT: 7.340 min Scan# 1470
Delta R.T. 0.010 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

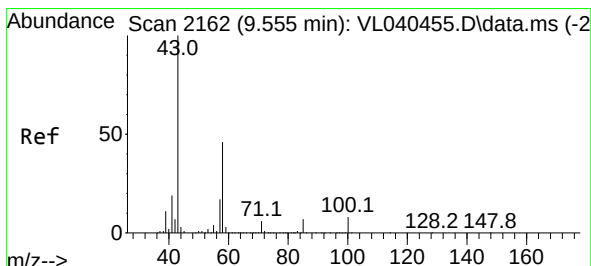
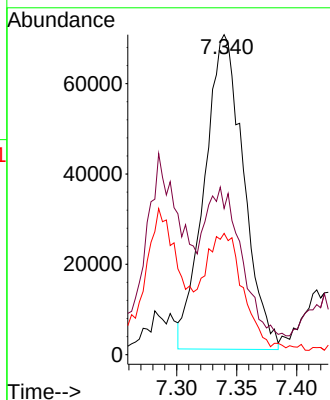
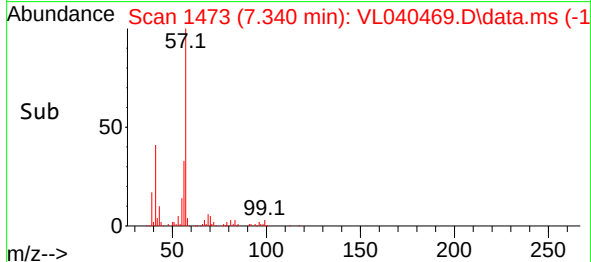
Instrument :
MSVOA_L
ClientSampleId :
SVP-02



Tgt Ion: 57 Resp: 158023
Ion Ratio Lower Upper
57 100
41 54.3 27.8 41.8
56 40.8 25.3 37.9

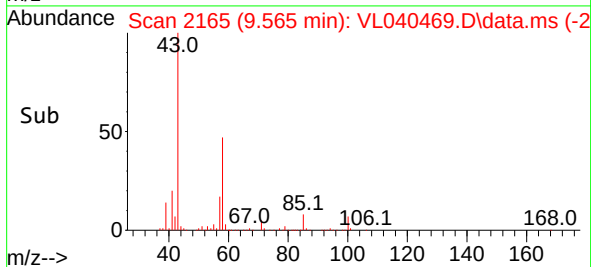
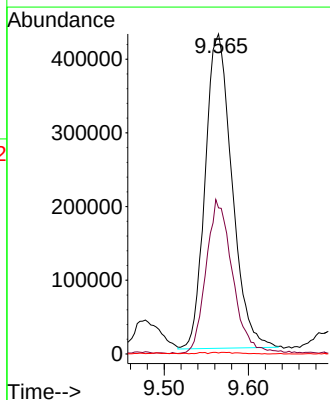
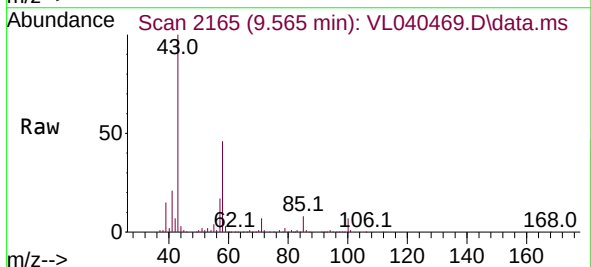
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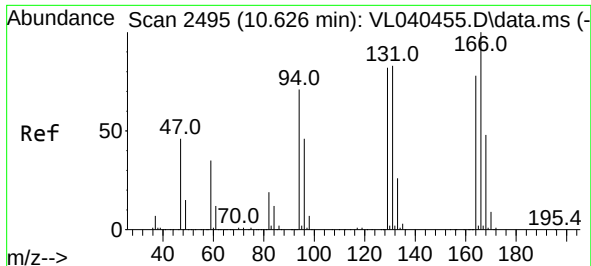
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#51
2-Hexanone
Concen: 7.787 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.010 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

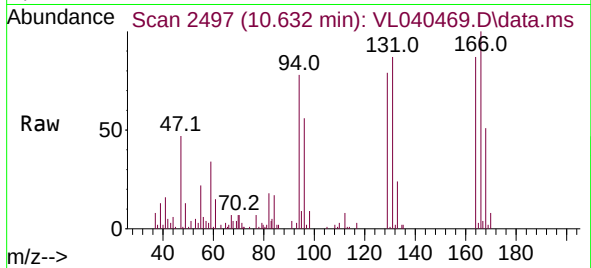
Tgt Ion: 43 Resp: 942207
Ion Ratio Lower Upper
43 100
58 49.6 37.1 55.7
98 0.7 0.5 0.7





#52
Tetrachloroethene
Concen: 0.616 ppbv
RT: 10.632 min Scan# 2495
Delta R.T. 0.006 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

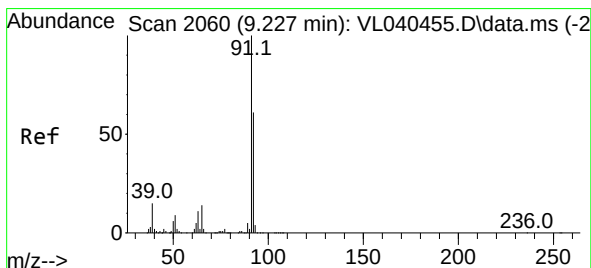
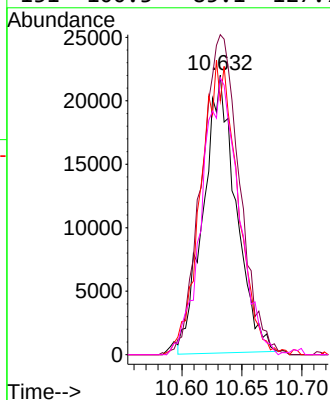
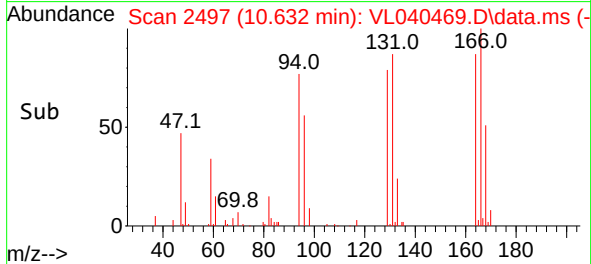
Instrument :
MSVOA_L
ClientSampleId :
SVP-02



Tgt Ion:164 Resp: 41532
Ion Ratio Lower Upper
164 100
166 114.5 102.7 154.1
129 90.9 84.6 126.8
131 100.3 85.1 127.7

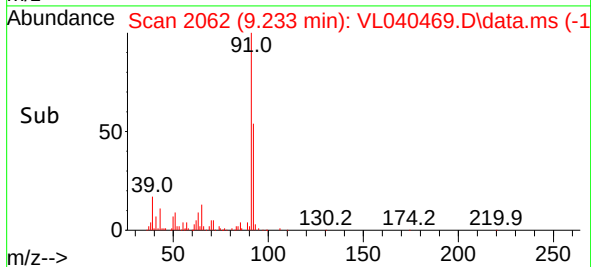
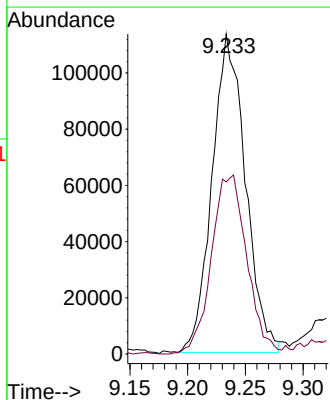
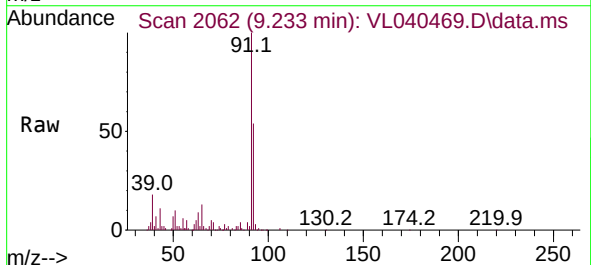
Manual Integrations
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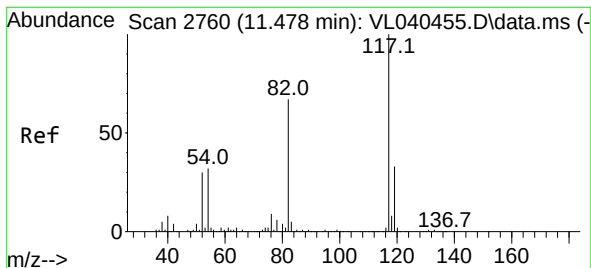
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#53
Toluene
Concen: 1.004 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

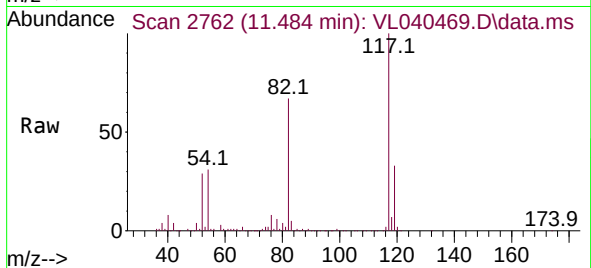
Tgt Ion: 91 Resp: 226999
Ion Ratio Lower Upper
91 100
92 60.2 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

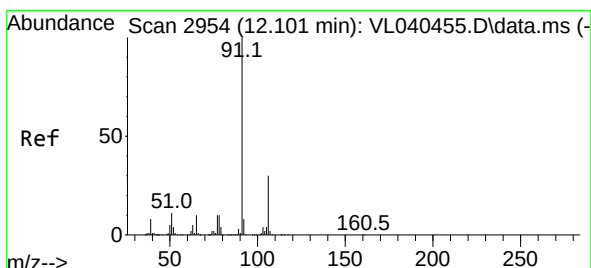
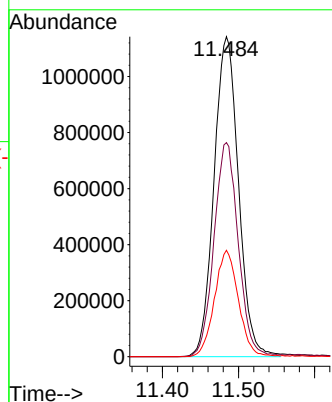
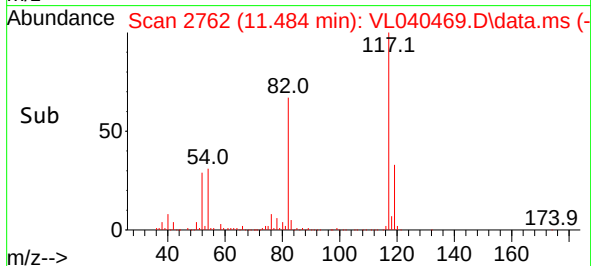
Instrument :
MSVOA_L
ClientSampleId :
SVP-02



Tgt Ion:117 Resp: 255424
Ion Ratio Lower Upper
117 100
82 66.4 53.0 79.4
119 32.8 24.4 36.6

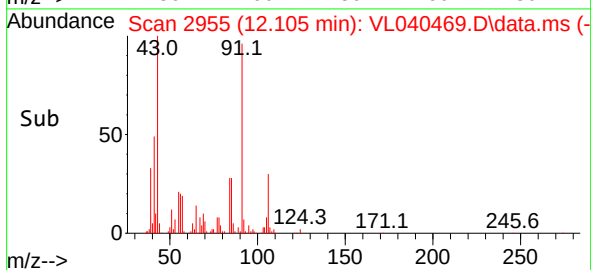
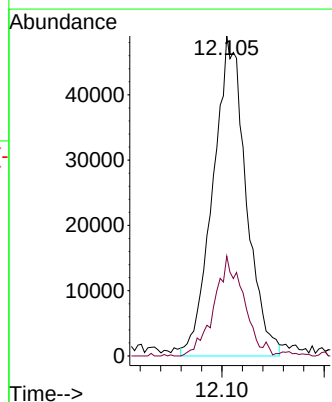
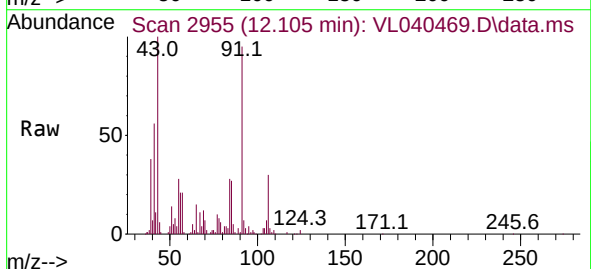
Manual Integrations
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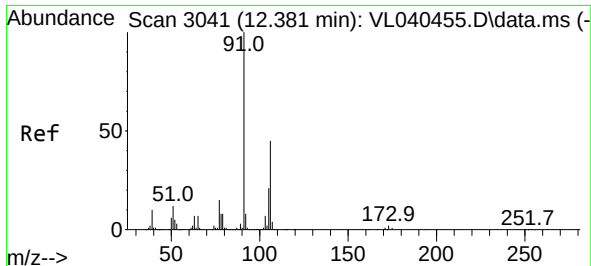
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#58
Ethyl Benzene
Concen: 0.356 ppbv m
RT: 12.105 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

Tgt Ion: 91 Resp: 110205
Ion Ratio Lower Upper
91 100
106 31.2 23.7 35.5





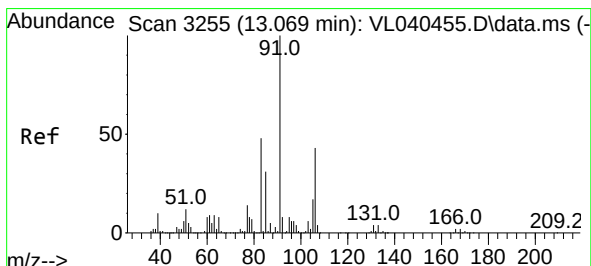
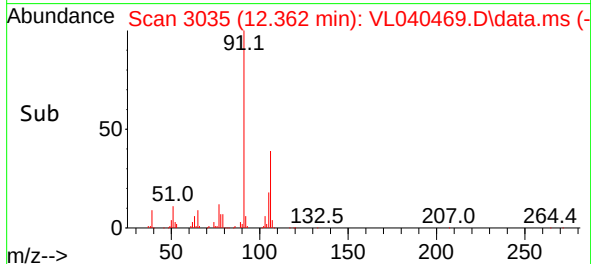
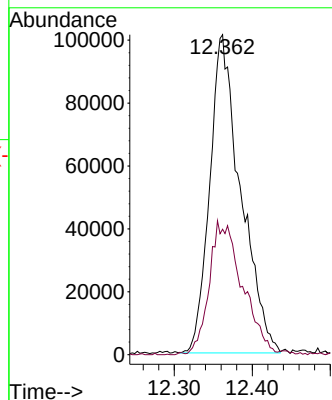
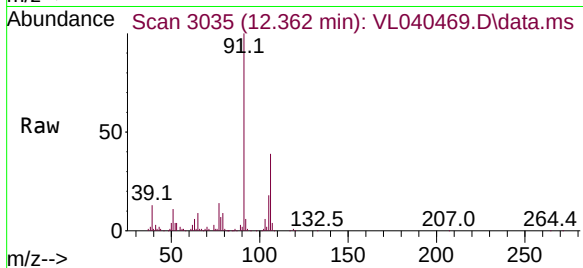
#59
m/p-Xylene
Concen: 0.984 ppbv
RT: 12.362 min Scan# 3041
Delta R.T. -0.019 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-02

Tgt Ion: 91 Resp: 280000
Ion Ratio Lower Upper
91 100
106 45.3 34.6 52.0

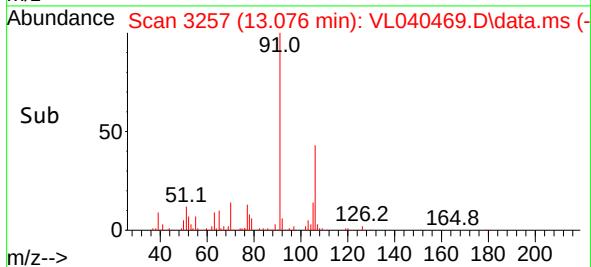
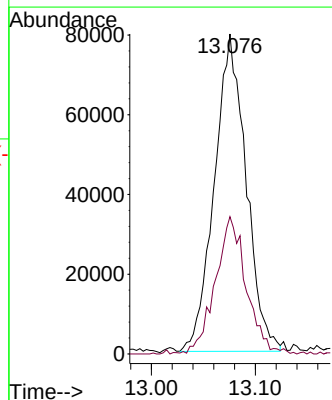
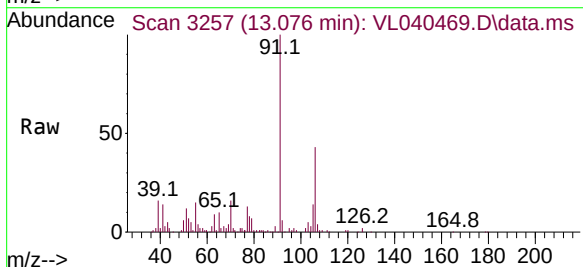
Manual Integrations
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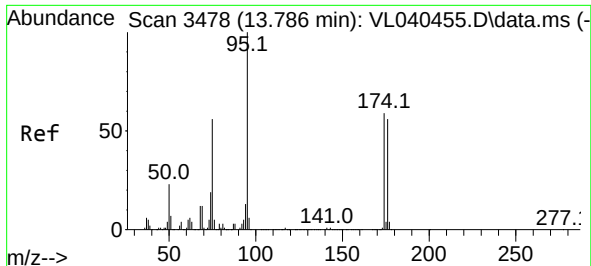
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#60
o-Xylene
Concen: 0.625 ppbv
RT: 13.076 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

Tgt Ion: 91 Resp: 168552
Ion Ratio Lower Upper
91 100
106 42.7 22.1 66.1





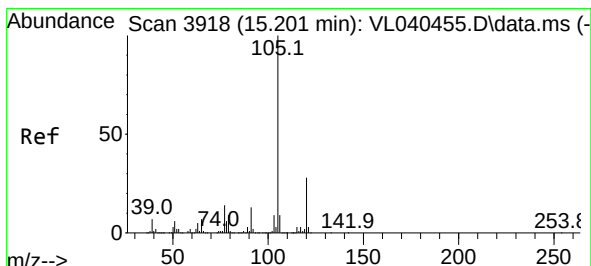
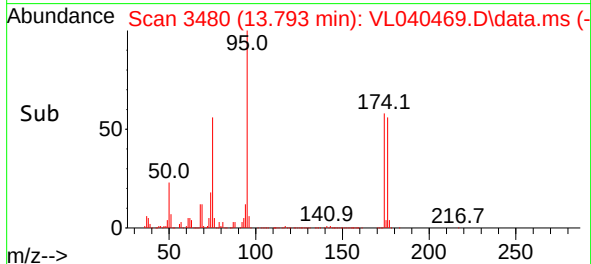
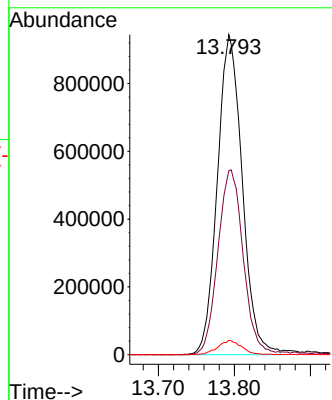
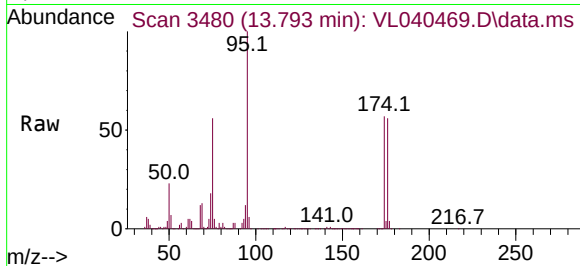
#68
1-Bromo-4-Fluorobenzene
Concen: 10.172 ppbv
RT: 13.793 min Scan# 3478
Delta R.T. 0.006 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-02

Tgt Ion: 95 Resp: 214444
Ion Ratio Lower Upper
95 100
174 59.7 47.7 71.5
175 4.4 3.5 5.3

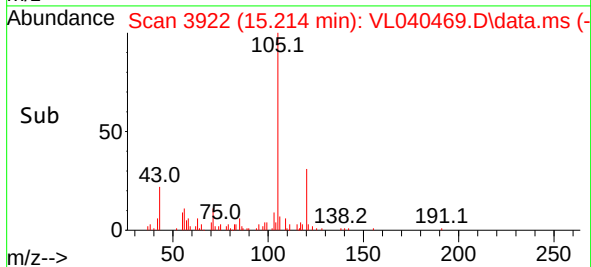
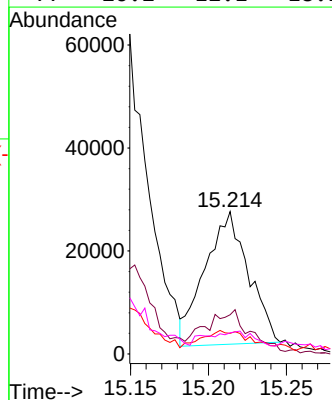
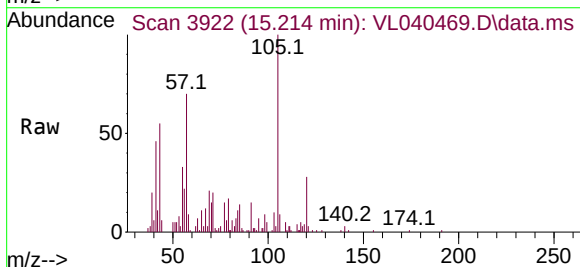
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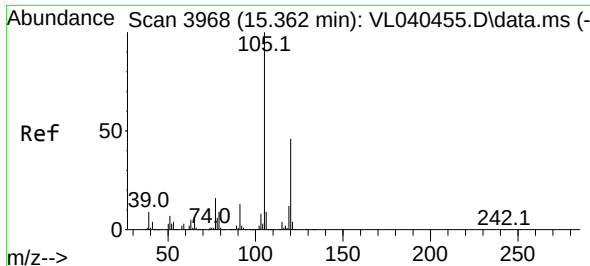
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#72
4-Ethyltoluene
Concen: 0.164 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.013 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

Tgt Ion:105 Resp: 49878
Ion Ratio Lower Upper
105 100
120 36.9 23.4 35.0#
91 18.1 11.1 16.7#
77 26.2 12.1 18.1#





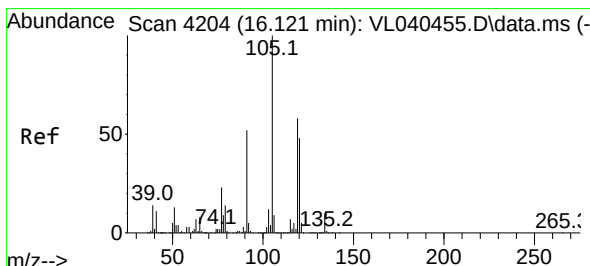
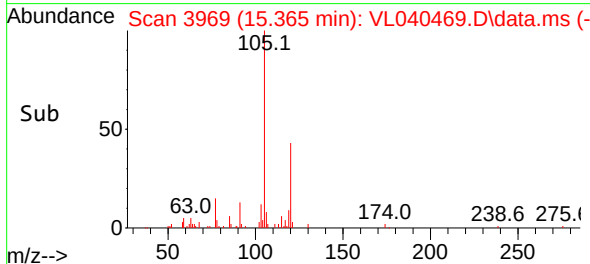
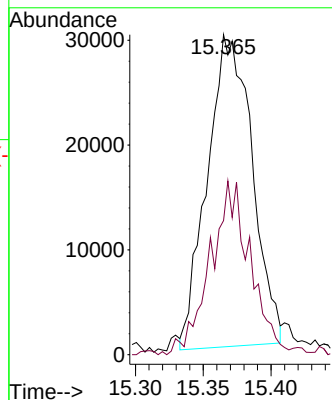
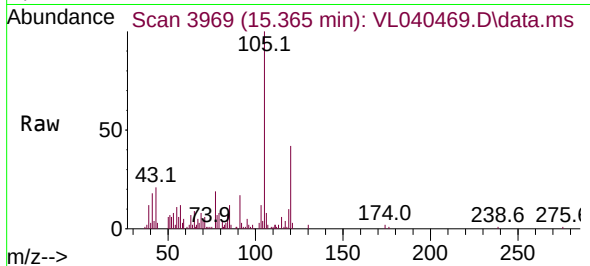
#73
1,3,5-Trimethylbenzene
Concen: 0.255 ppbv
RT: 15.365 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-02

Tgt Ion:105 Resp: 68494
Ion Ratio Lower Upper
105 100
120 40.7 36.4 54.6

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



#74
1,2,4-Trimethylbenzene
Concen: 0.967 ppbv
RT: 16.121 min Scan# 4204
Delta R.T. -0.000 min
Lab File: VL040469.D
Acq: 15 Jun 2023 16:01

Tgt Ion:105 Resp: 305660
Ion Ratio Lower Upper
105 100
120 39.3 38.4 57.6
91 13.0 41.3 61.9#
77 13.7 18.6 28.0#

