

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040409.D
 Acq On : 11 May 2023 20:41
 Operator : SY/MD
 Sample : 02748-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01-20230510DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2023
 Supervised By :Mahesh Dadoda 05/15/2023

Quant Time: May 12 05:57:21 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1107110	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2777537	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.462	117	2495004	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2005444	9.720	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.710	85	33660	0.169	ppbv	96
9) Propene	2.674	41	231738	4.055	ppbv	91
11) Trichlorofluoromethane	3.542	101	48110	0.238	ppbv	92
13) Ethanol	3.230	45	47007m	9.852	ppbv	
15) Acetone	3.449	43	1101818	7.027	ppbv #	34
20) Methylene Chloride	3.918	84	72433	1.157	ppbv	94
34) 2-Butanone	4.771	43	1857429	12.402	ppbv	99
53) Toluene	9.214	91	64682	0.269	ppbv	100
58) Ethyl Benzene	12.082	91	31580m	0.103	ppbv	
59) m/p-Xylene	12.339	91	85794m	0.304	ppbv	
60) o-Xylene	13.050	91	38492	0.142	ppbv	93
73) 1,3,5-Trimethylbenzene	15.352	105	18149	0.066	ppbv #	78
74) 1,2,4-Trimethylbenzene	16.108	105	93436	0.296	ppbv #	59

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

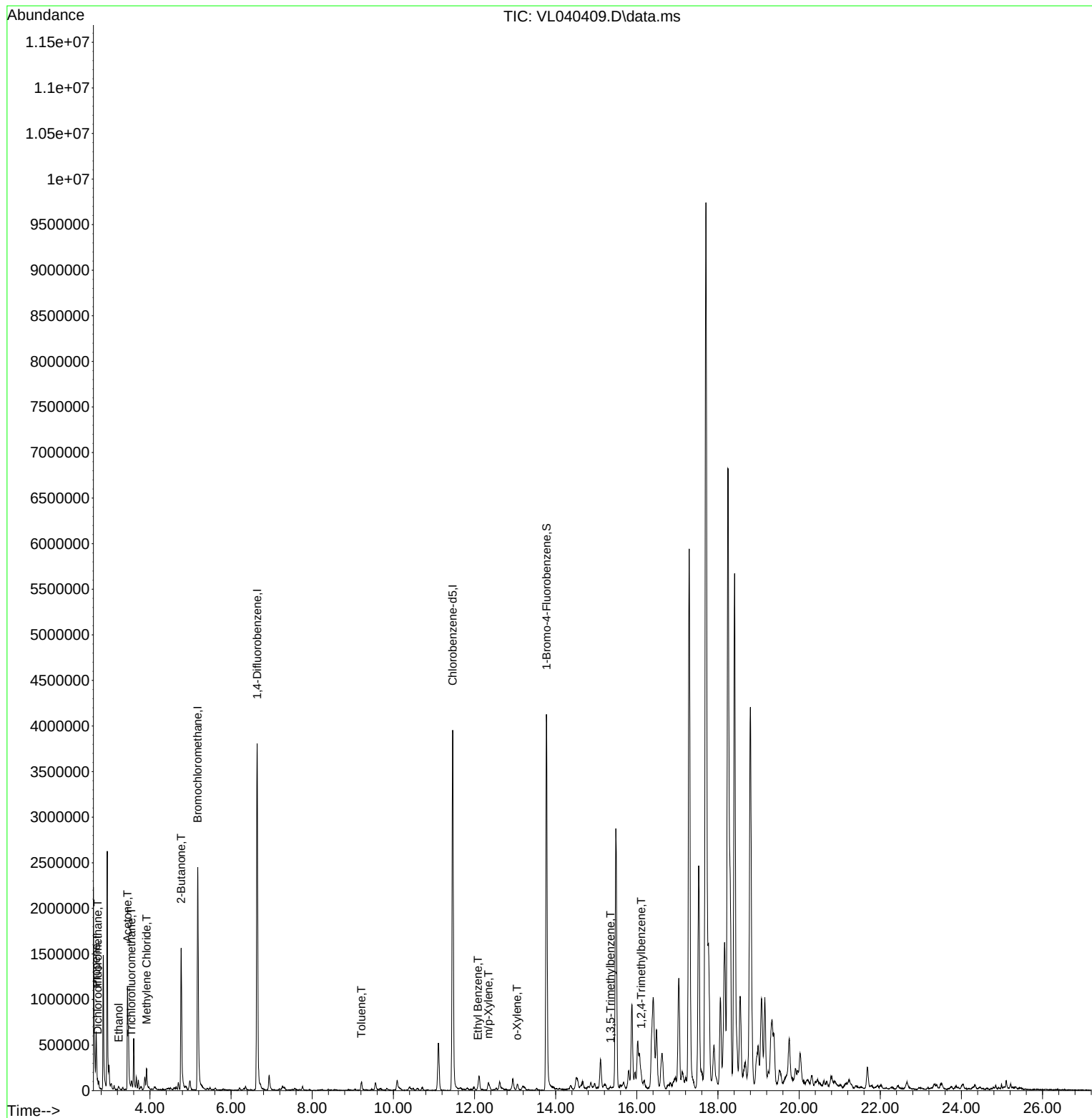
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
Data File : VL040409.D
Acq On : 11 May 2023 20:41
Operator : SY/MD
Sample : 02748-03DL 10X
Misc : 400mL/MSVOA_L
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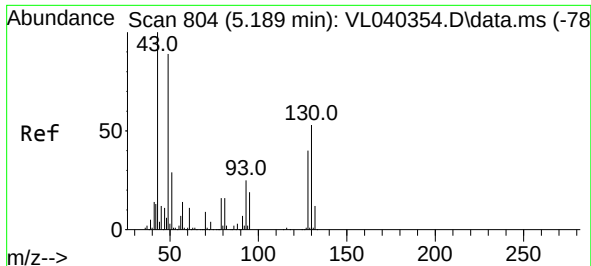
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510DL

Quant Time: May 12 05:57:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

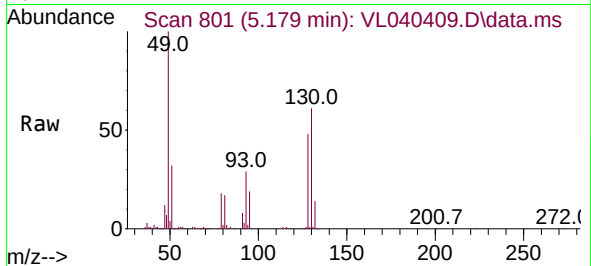
Reviewed By : Semsettin Yesilyurt 05/14/2023
Supervised By : Mahesh Dadoda 05/15/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 804
Delta R.T. -0.010 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

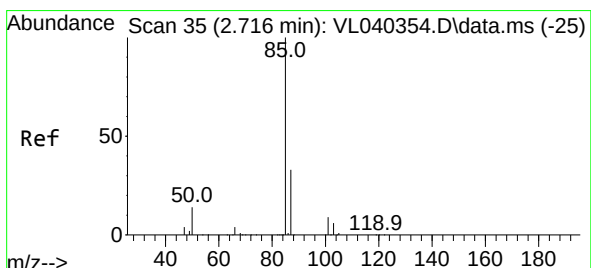
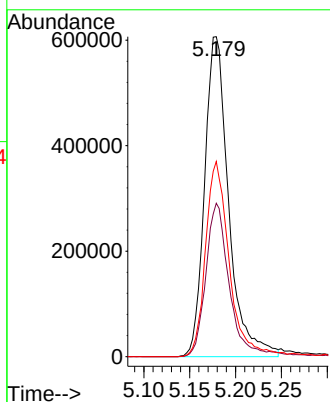
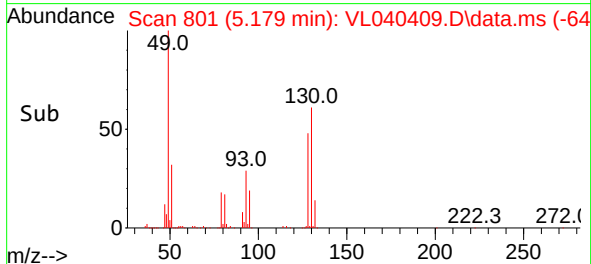
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510DL



Tgt Ion: 49 Resp: 1107110
Ion Ratio Lower Upper
49 100
128 47.7 23.7 71.1
130 60.7 29.9 89.8

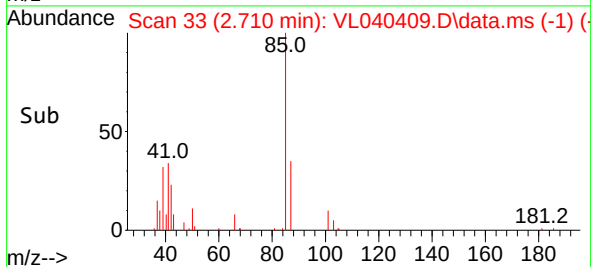
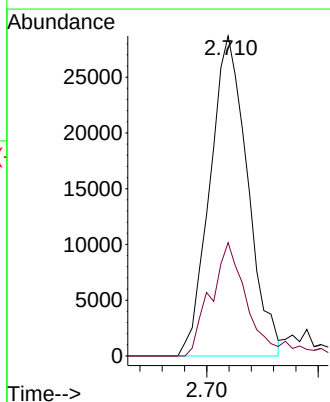
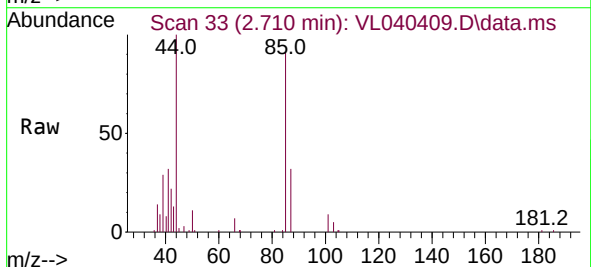
Manual Integrations
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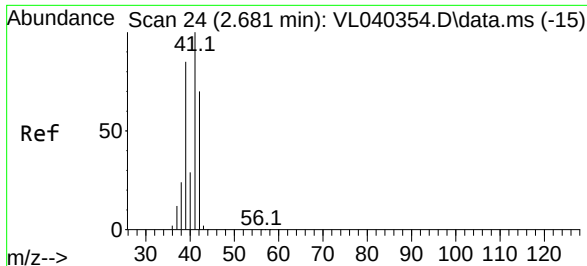
Reviewed By :Semsettin Yesilyurt 05/14/2023
Supervised By :Mahesh Dadoda 05/15/2023



#2
Dichlorodifluoromethane
Concen: 0.169 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

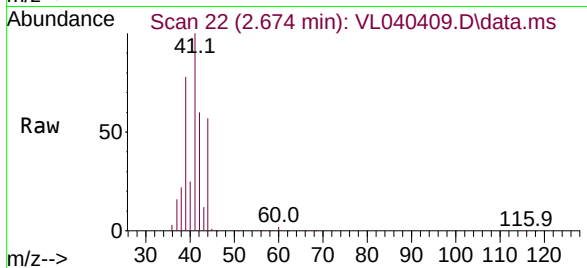
Tgt Ion: 85 Resp: 33660
Ion Ratio Lower Upper
85 100
87 35.4 26.6 40.0





#9
 Propene
 Concen: 4.055 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VL040409.D
 Acq: 11 May 2023 20:41

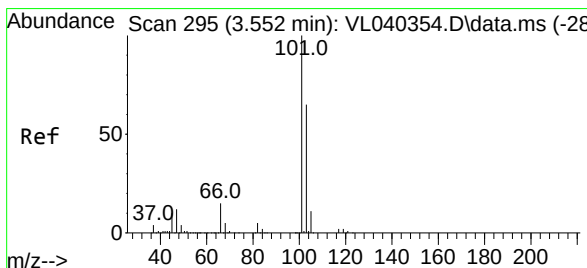
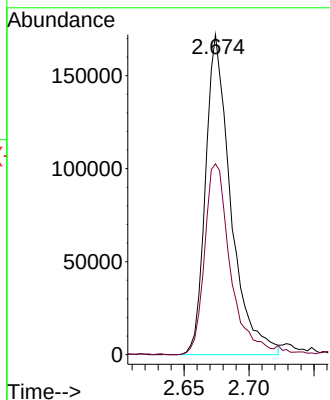
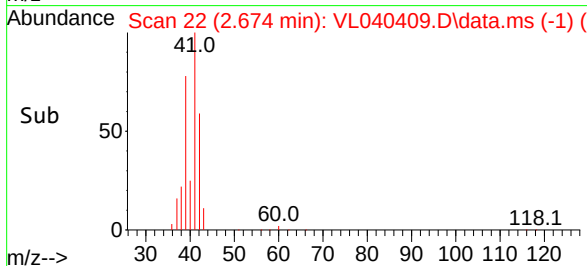
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01-20230510DL



Tgt Ion: 41 Resp: 231738
 Ion Ratio Lower Upper
 41 100
 42 62.9 56.5 84.7

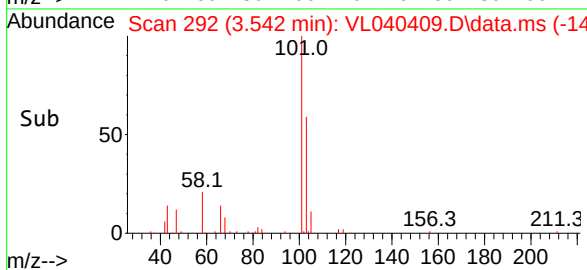
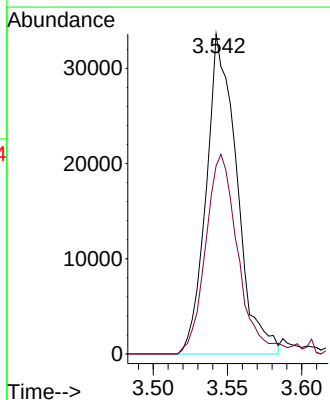
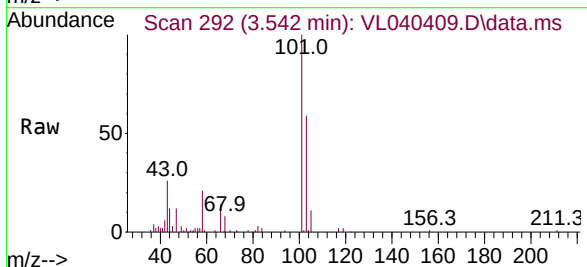
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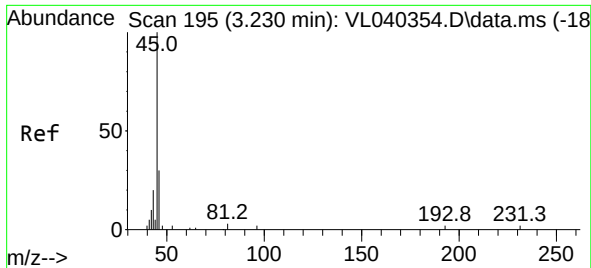
Reviewed By :Semsettin Yesilyurt 05/14/2023
 Supervised By :Mahesh Dadoda 05/15/2023



#11
 Trichlorofluoromethane
 Concen: 0.238 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. -0.010 min
 Lab File: VL040409.D
 Acq: 11 May 2023 20:41

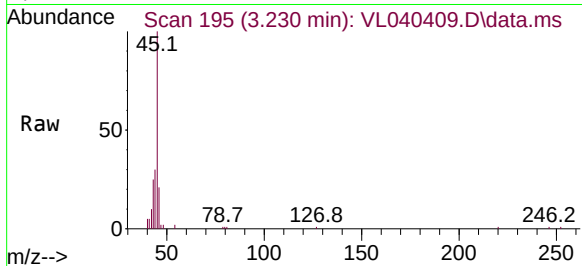
Tgt Ion:101 Resp: 48110
 Ion Ratio Lower Upper
 101 100
 103 58.8 52.2 78.4





#13
Ethanol
Concen: 9.852 ppbv m
RT: 3.230 min Scan# 195
Delta R.T. 0.000 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

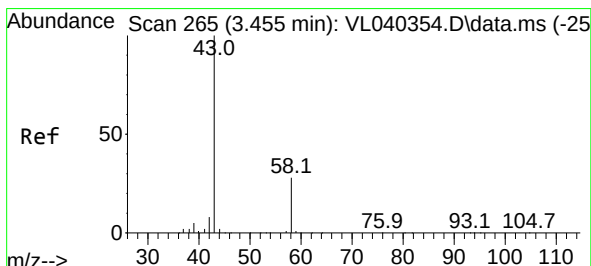
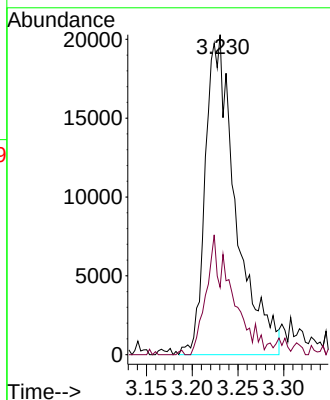
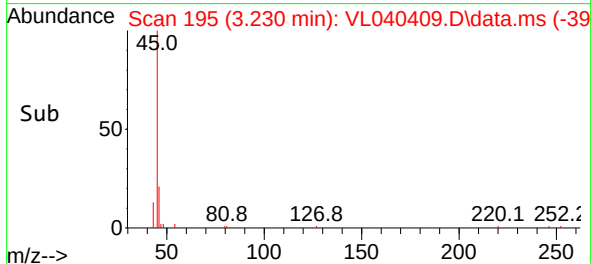
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510DL



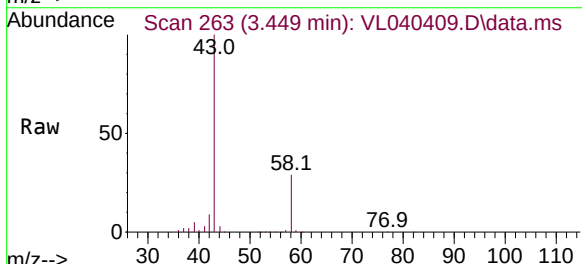
Tgt Ion: 45 Resp: 4700
Ion Ratio Lower Upper
45 100
46 35.0 15.3 61.3

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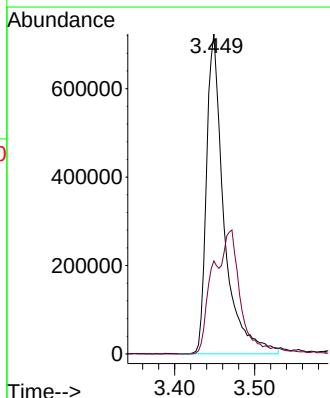
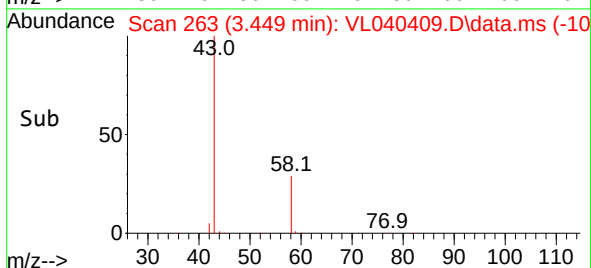
Reviewed By :Semsettin Yesilyurt 05/14/2023
Supervised By :Mahesh Dadoda 05/15/2023

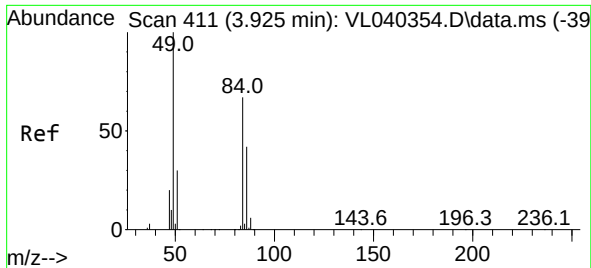


#15
Acetone
Concen: 7.027 ppbv
RT: 3.449 min Scan# 263
Delta R.T. -0.006 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41



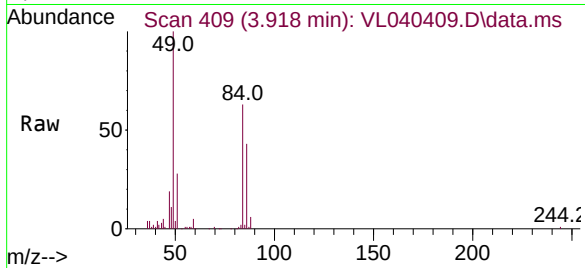
Tgt Ion: 43 Resp: 1101818
Ion Ratio Lower Upper
43 100
58 62.2 22.2 33.2#





#20
Methylene Chloride
Concen: 1.157 ppbv
RT: 3.918 min Scan# 409
Delta R.T. -0.006 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

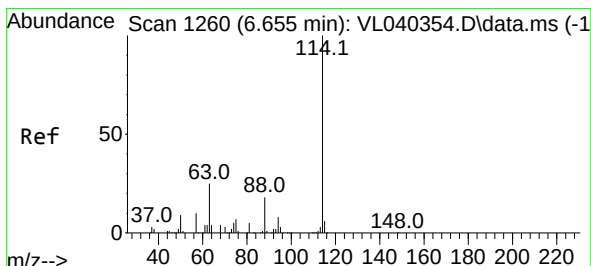
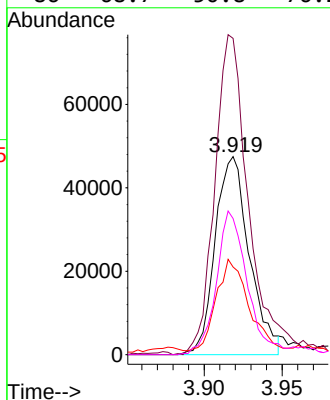
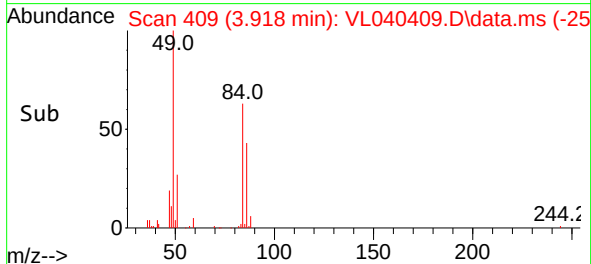
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510DL



Tgt Ion: 84 Resp: 7243
Ion Ratio Lower Upper
84 100
49 156.3 120.1 180.1
51 41.4 36.3 54.5
86 68.7 50.8 76.2

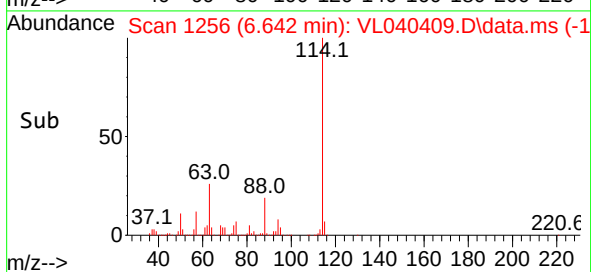
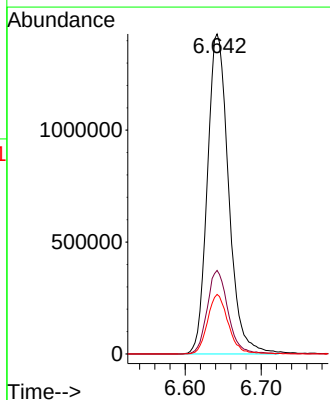
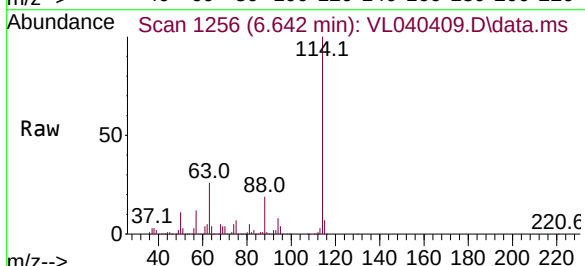
Manual Integrations
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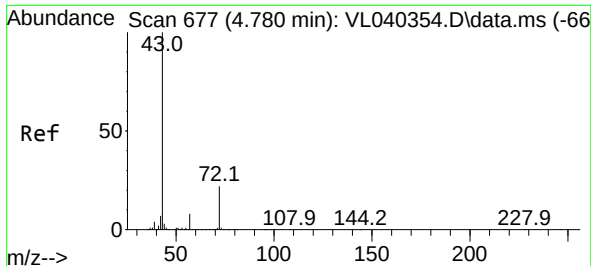
Reviewed By :Semsettin Yesilyurt 05/14/2023
Supervised By :Mahesh Dadoda 05/15/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

Tgt Ion:114 Resp: 2777537
Ion Ratio Lower Upper
114 100
63 25.9 21.4 32.0
88 18.2 14.6 22.0





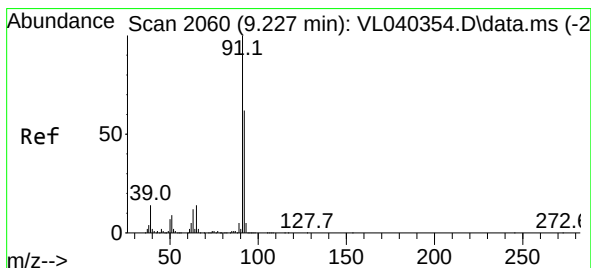
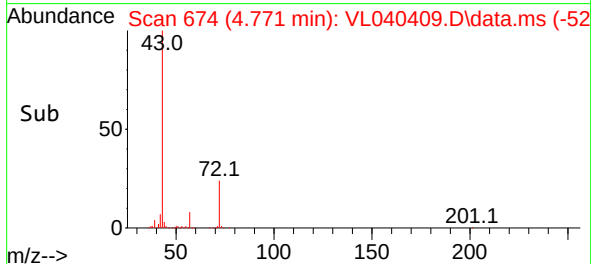
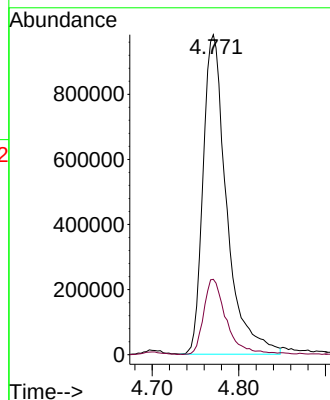
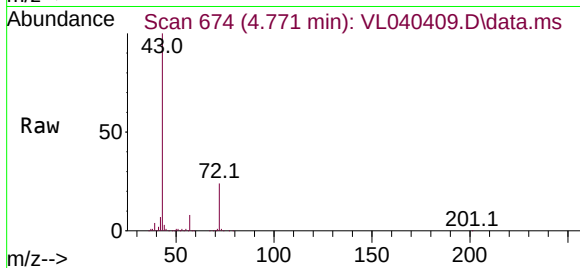
#34
2-Butanone
Concen: 12.402 ppbv
RT: 4.771 min Scan# 61
Delta R.T. -0.009 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510DL

Tgt Ion: 43 Resp: 1857429
Ion Ratio Lower Upper
43 100
72 23.4 18.4 27.6

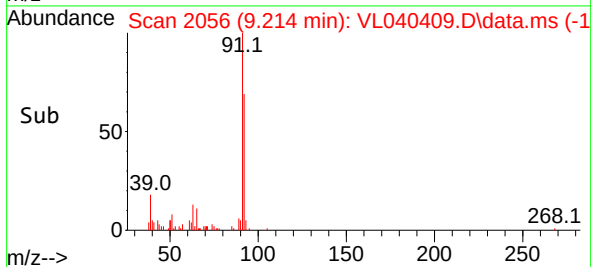
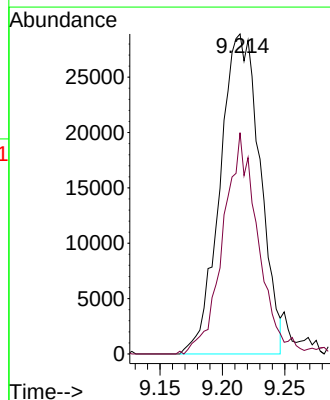
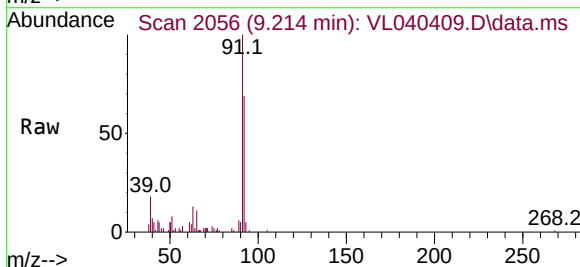
Manual Integrations
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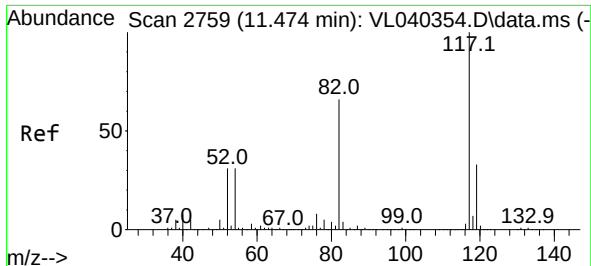
Reviewed By :Semsettin Yesilyurt 05/14/2023
Supervised By :Mahesh Dadoda 05/15/2023



#53
Toluene
Concen: 0.269 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.013 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

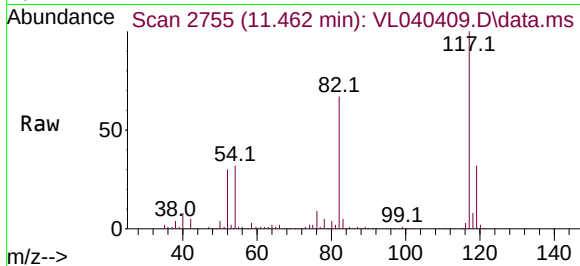
Tgt Ion: 91 Resp: 64682
Ion Ratio Lower Upper
91 100
92 61.1 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

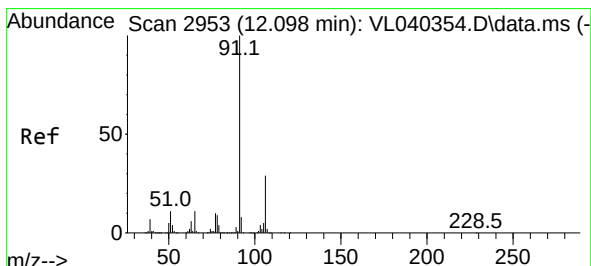
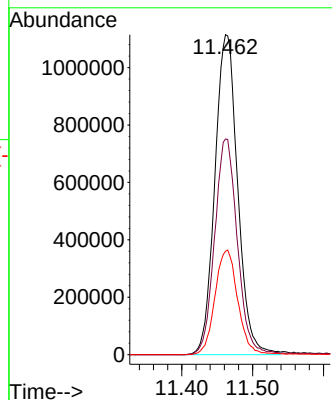
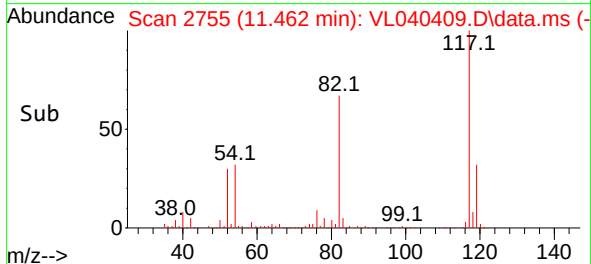
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ClientSampleId :
SV-01-20230510DL



Tgt Ion: 117 Resp: 2495004
Ion Ratio Lower Upper
117 100
82 67.5 52.5 78.7
119 32.9 24.3 36.5

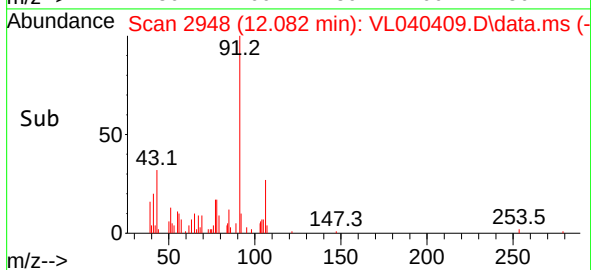
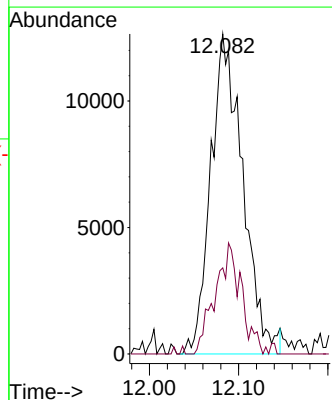
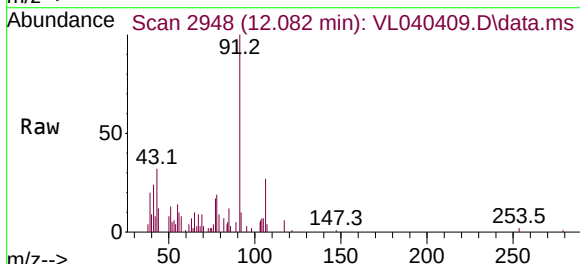
Manual Integrations
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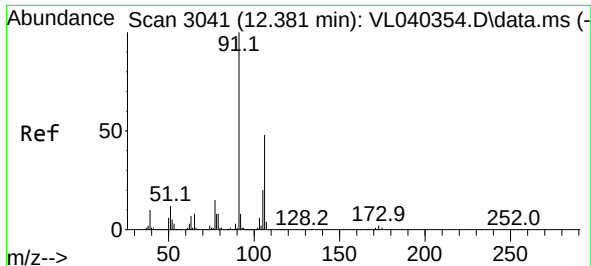
Reviewed By :Semsettin Yesilyurt 05/14/2023
Supervised By :Mahesh Dadoda 05/15/2023



#58
Ethyl Benzene
Concen: 0.103 ppbv m
RT: 12.082 min Scan# 2948
Delta R.T. -0.016 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

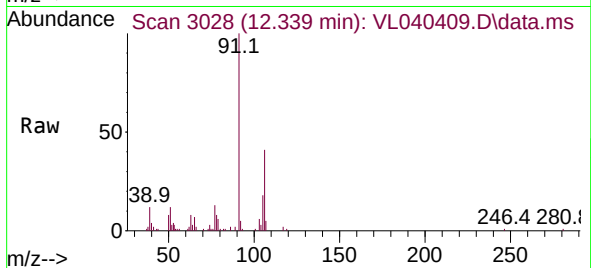
Tgt Ion: 91 Resp: 31580
Ion Ratio Lower Upper
91 100
106 26.9 23.5 35.3





#59
m/p-Xylene
Concen: 0.304 ppbv m
RT: 12.339 min Scan# 3041
Delta R.T. -0.042 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

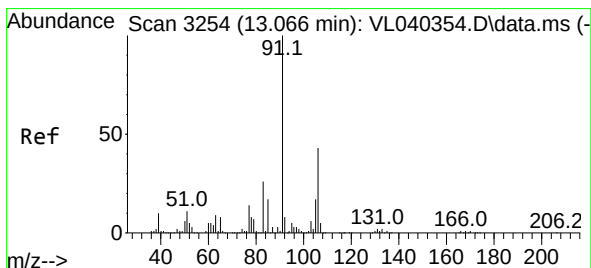
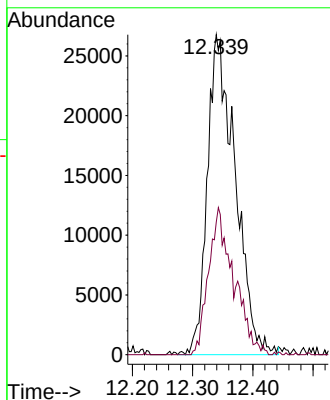
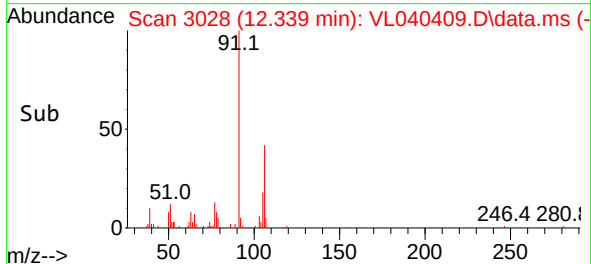
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510DL



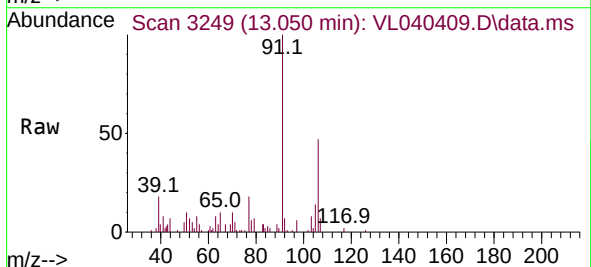
Tgt Ion: 91 Resp: 85794
Ion Ratio Lower Upper
91 100
106 0.0 34.7 52.1

Manual Integrations
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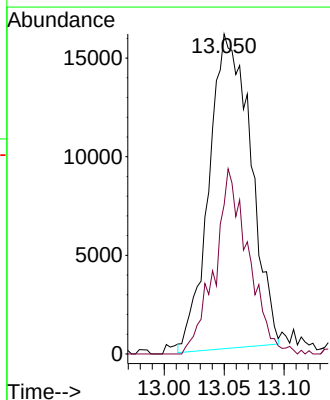
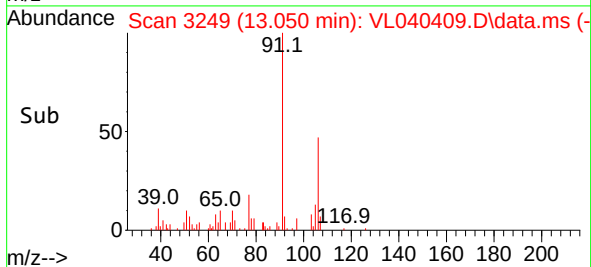
Reviewed By :Semsettin Yesilyurt 05/14/2023
Supervised By :Mahesh Dadoda 05/15/2023

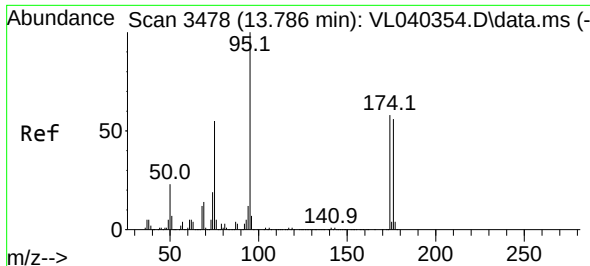


#60
o-Xylene
Concen: 0.142 ppbv
RT: 13.050 min Scan# 3249
Delta R.T. -0.016 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41



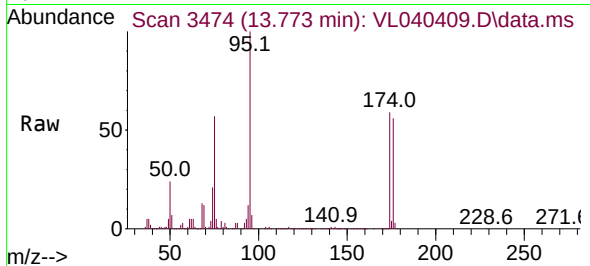
Tgt Ion: 91 Resp: 38492
Ion Ratio Lower Upper
91 100
106 48.2 21.9 65.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.720 ppbv
RT: 13.773 min Scan# 3478
Delta R.T. -0.013 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

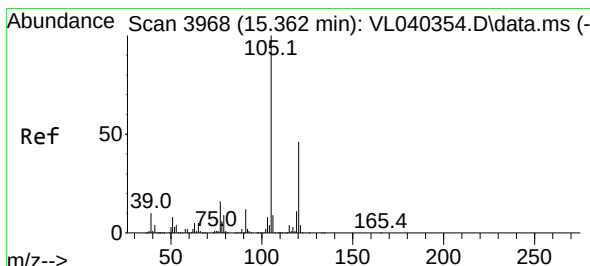
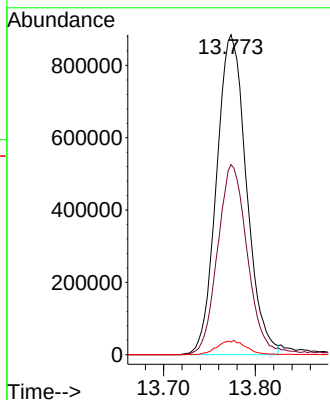
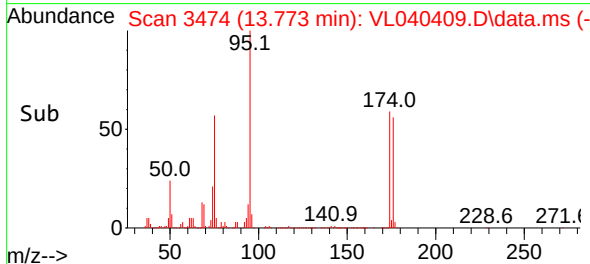
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510DL



Tgt Ion: 95 Resp: 200544
Ion Ratio Lower Upper
95 100
174 61.0 47.2 70.8
175 4.4 3.5 5.3

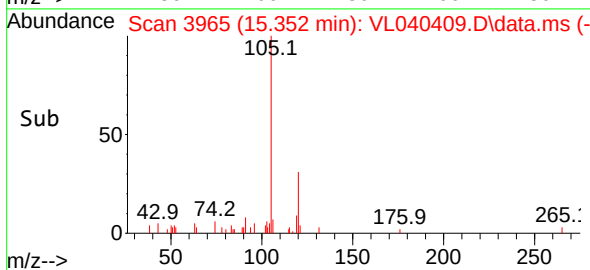
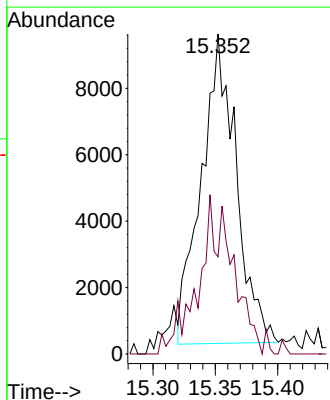
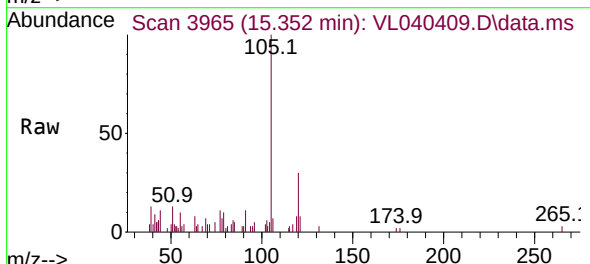
Manual Integrations
APPROVED

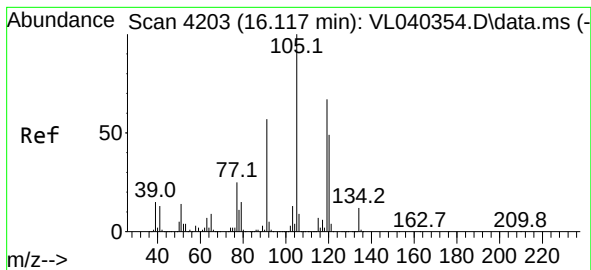
Reviewed By :Semsettin Yesilyurt 05/14/2023
Supervised By :Mahesh Dadoda 05/15/2023



#73
1,3,5-Trimethylbenzene
Concen: 0.066 ppbv
RT: 15.352 min Scan# 3965
Delta R.T. -0.010 min
Lab File: VL040409.D
Acq: 11 May 2023 20:41

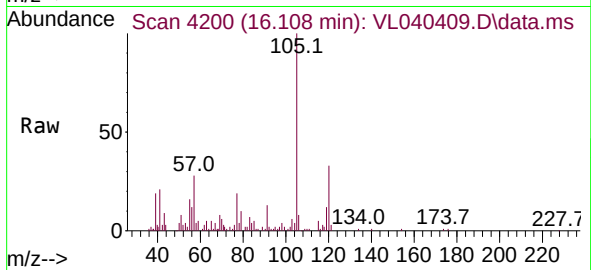
Tgt Ion:105 Resp: 18149
Ion Ratio Lower Upper
105 100
120 31.6 36.9 55.3#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.296 ppbv
 RT: 16.108 min Scan# 41
 Delta R.T. -0.009 min
 Lab File: VL040409.D
 Acq: 11 May 2023 20:41

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01-20230510DL



Tgt Ion:	105	Resp:	93430
Ion Ratio	Lower	Upper	
105	100		
120	30.3	38.9	58.3
91	10.0	46.0	69.0
77	17.9	20.0	30.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2023
 Supervised By :Mahesh Dadoda 05/15/2023

