

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040522.D
 Acq On : 11 Jul 2023 1:21
 Operator : SY/MD
 Sample : 03535-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 02:11:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 11 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1084153	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2823722	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2507173	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1969948	9.928	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	23474	0.108	ppbv	100
3) Chlorodifluoromethane	2.681	51	13587	0.079	ppbv	97
9) Propene	2.703	41	19666	0.334	ppbv	87
11) Trichlorofluoromethane	3.568	101	9574	0.055	ppbv	84
13) Ethanol	3.250	45	32878m	2.569	ppbv	
15) Acetone	3.472	43	748687	5.999	ppbv	97
17) tert-Butyl alcohol	3.896	59	12196	0.094	ppbv #	86
20) Methylene Chloride	3.931	84	30852m	0.581	ppbv	
26) Hexane	5.214	57	307727	2.788	ppbv #	37
34) 2-Butanone	4.800	43	40884	0.293	ppbv	96
52) Tetrachloroethene	10.613	164	32159m	0.437	ppbv	
53) Toluene	9.224	91	58470m	0.237	ppbv	
59) m/p-Xylene	12.343	91	14180m	0.050	ppbv	

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

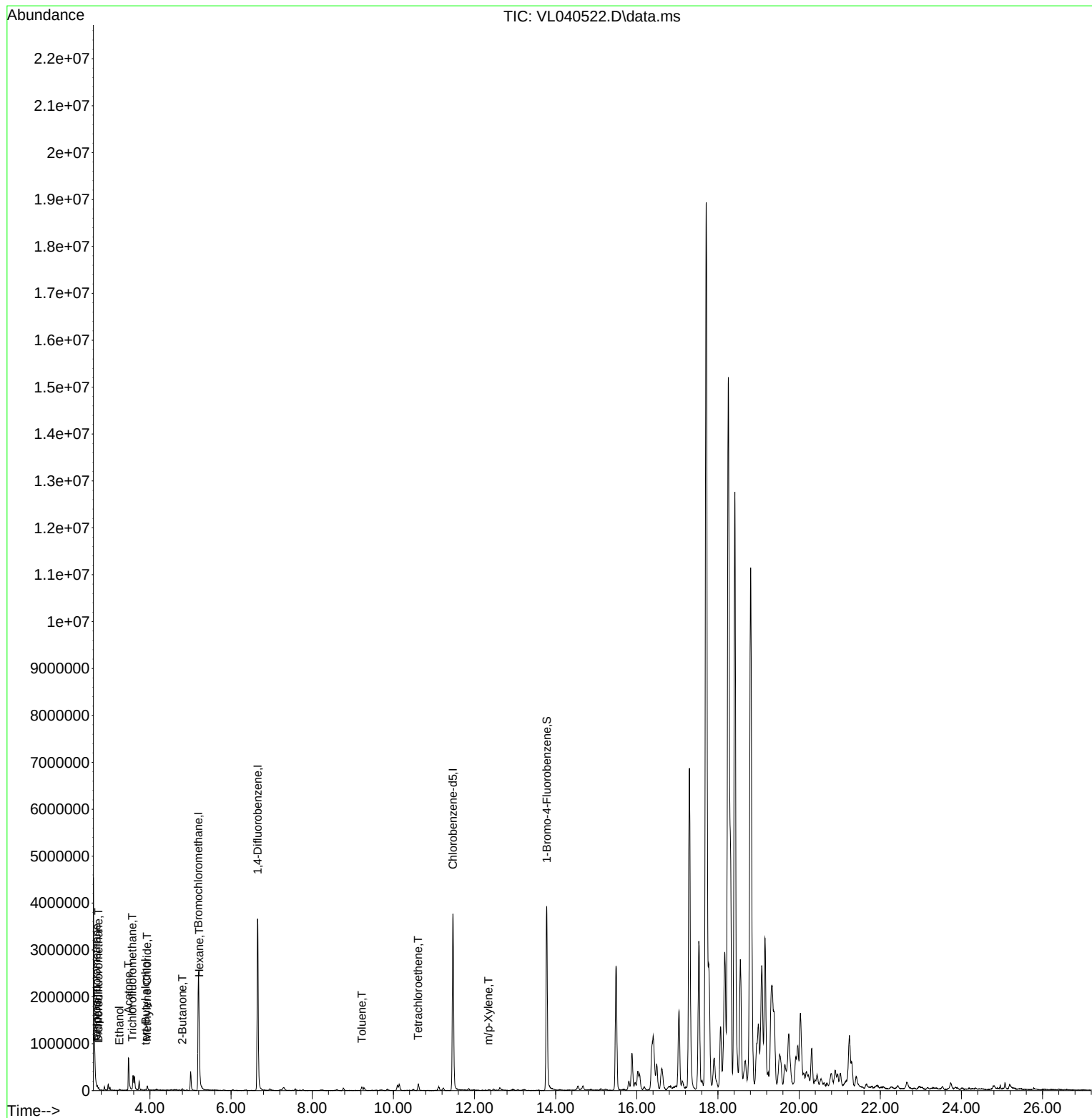
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
Data File : VL040522.D
Acq On : 11 Jul 2023 1:21
Operator : SY/MD
Sample : 03535-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

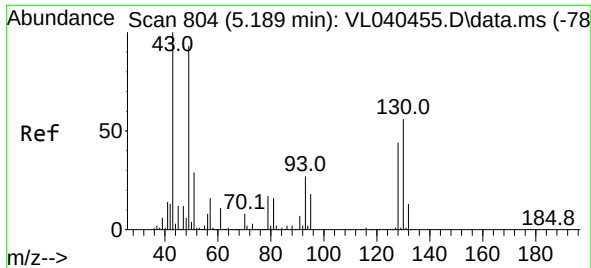
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Jul 11 02:11:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

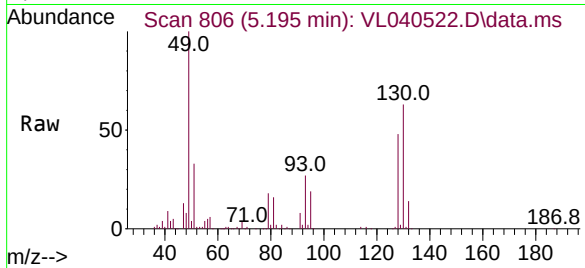
Reviewed By : Semsettin Yesilyurt 07/11/2023
Supervised By : Mahesh Dadoda 07/11/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 804
Delta R.T. -0.007 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

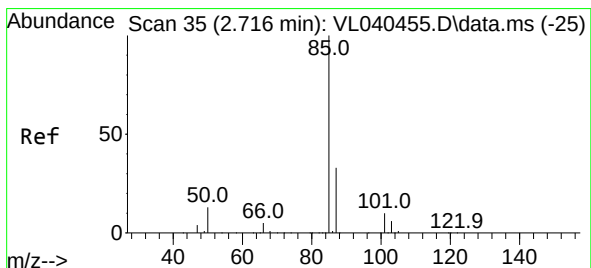
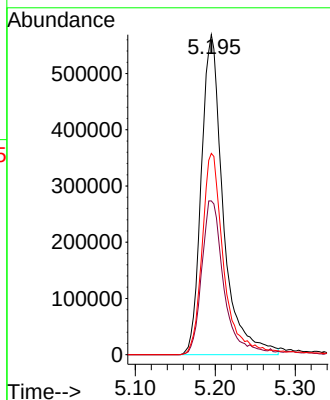
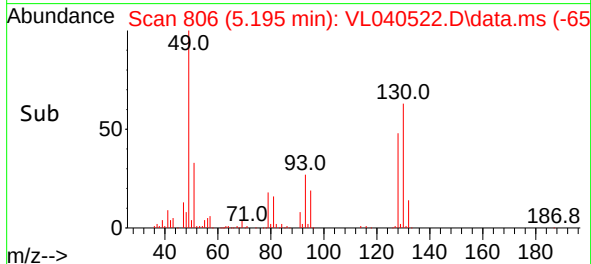
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 108415
Ion Ratio Lower Upper
49 100
128 49.9 25.1 75.4
130 63.7 31.6 94.7

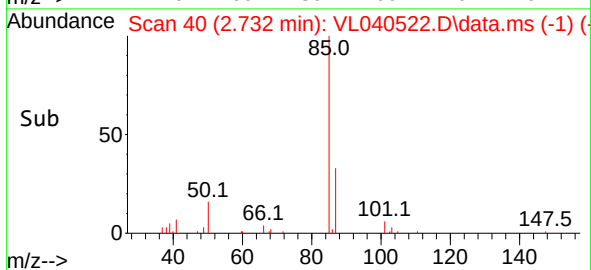
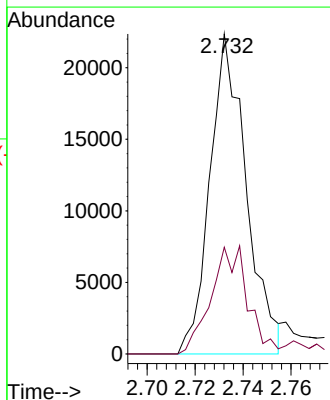
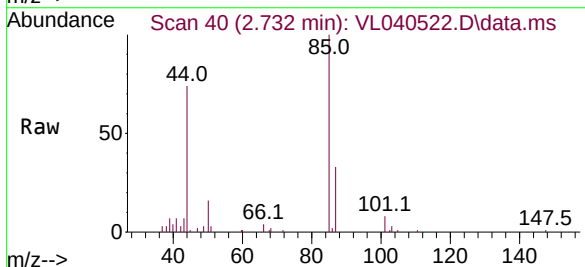
Manual Integrations
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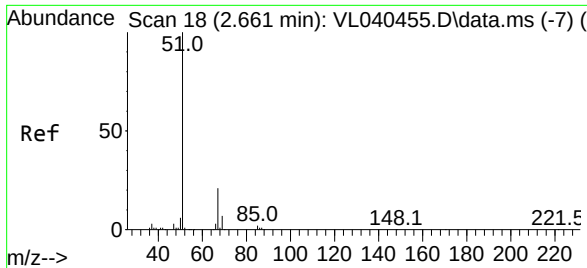
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#2
Dichlorodifluoromethane
Concen: 0.108 ppbv
RT: 2.732 min Scan# 40
Delta R.T. -0.006 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

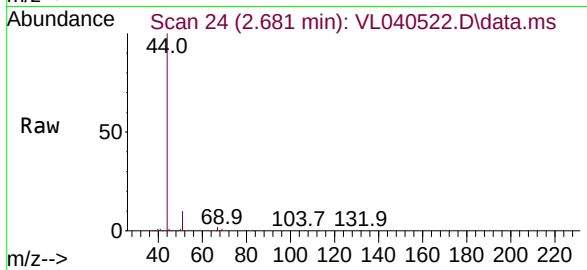
Tgt Ion: 85 Resp: 23474
Ion Ratio Lower Upper
85 100
87 33.3 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.079 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.003 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

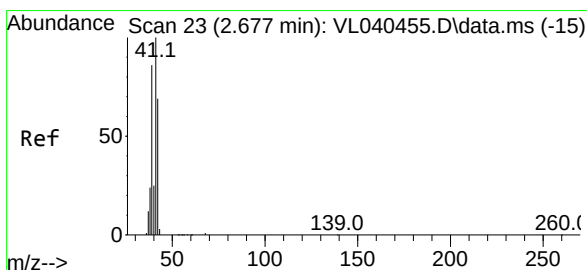
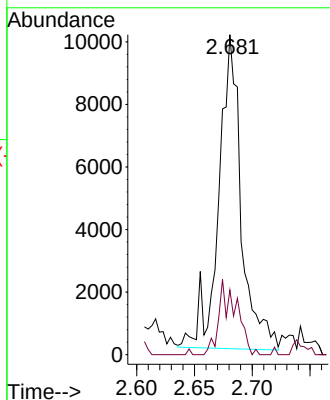
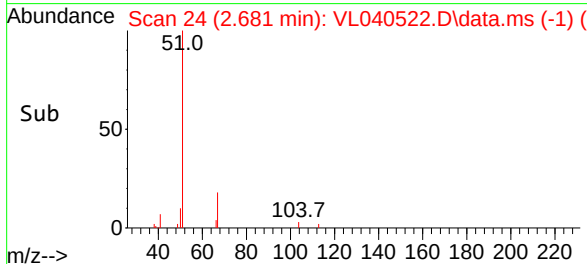
Instrument :
MSVOA_L
ClientSampleId :
SV2



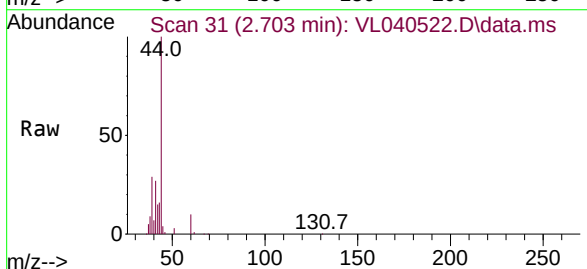
Tgt Ion: 51 Resp: 1358
Ion Ratio Lower Upper
51 100
67 19.4 14.6 21.8

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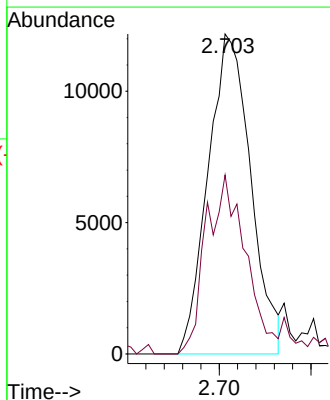
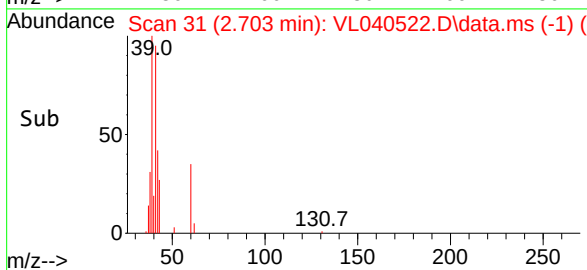
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

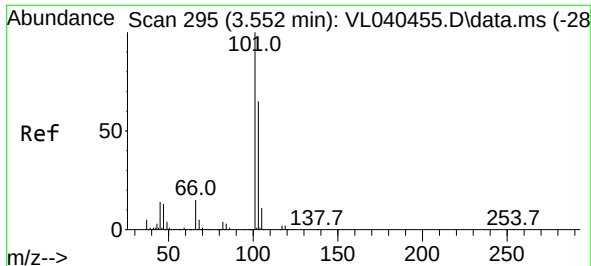


#9
Propene
Concen: 0.334 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21



Tgt Ion: 41 Resp: 19666
Ion Ratio Lower Upper
41 100
42 58.1 55.0 82.6





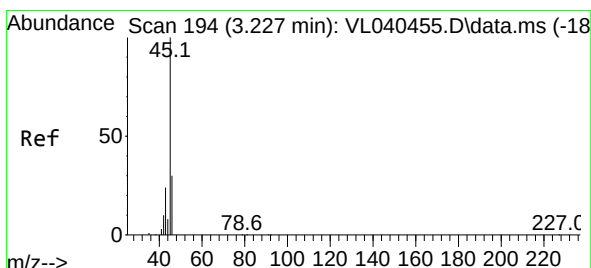
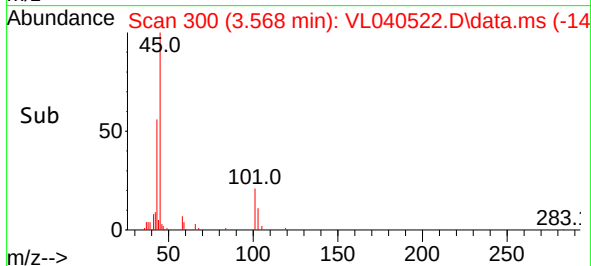
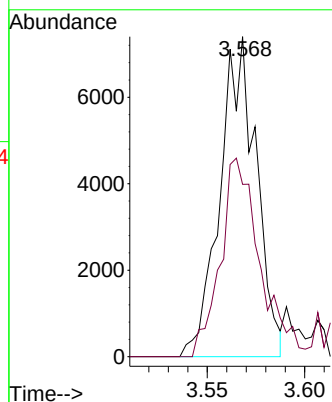
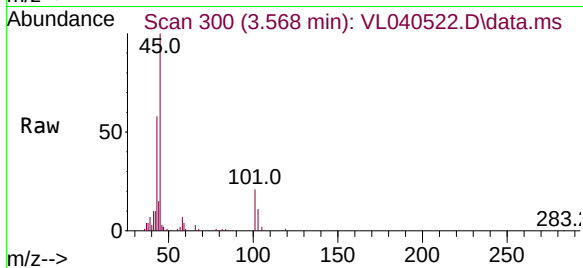
#11
Trichlorofluoromethane
Concen: 0.055 ppbv
RT: 3.568 min Scan# 301
Delta R.T. -0.003 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:101 Resp: 9574
Ion Ratio Lower Upper
101 100
103 53.9 53.4 80.0

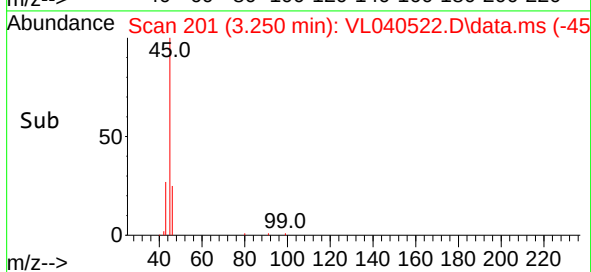
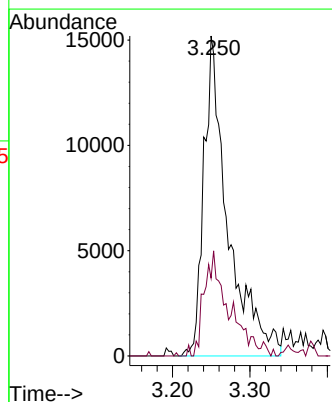
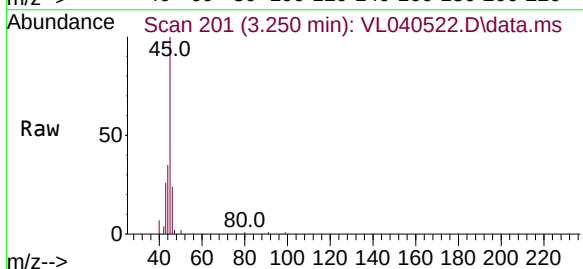
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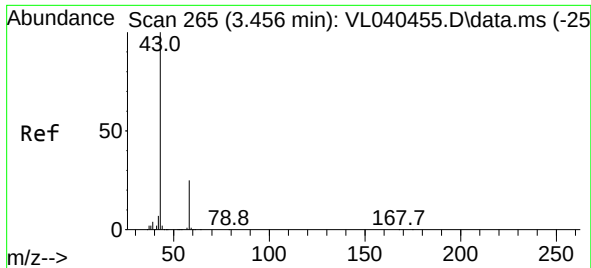
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#13
Ethanol
Concen: 2.569 ppbv m
RT: 3.250 min Scan# 201
Delta R.T. 0.003 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

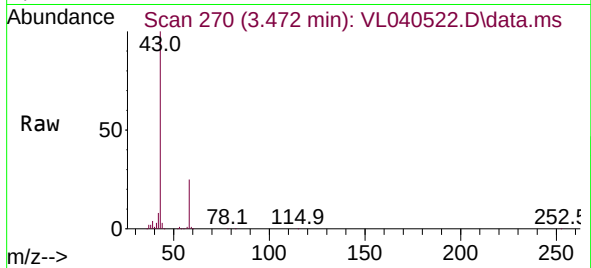
Tgt Ion: 45 Resp: 32878
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#





#15
Acetone
Concen: 5.999 ppbv
RT: 3.472 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

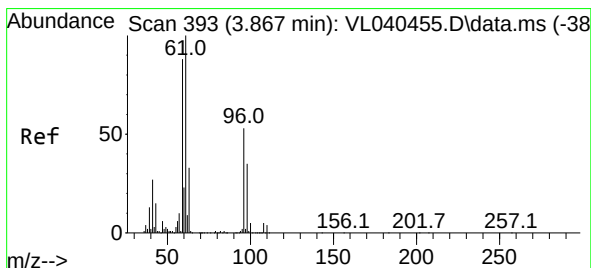
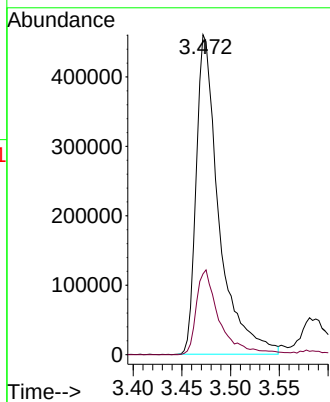
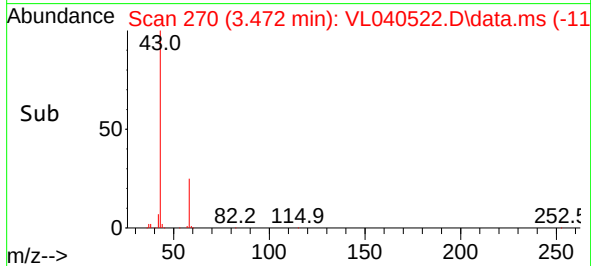
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 74868
Ion Ratio Lower Upper
43 100
58 27.2 22.9 34.3

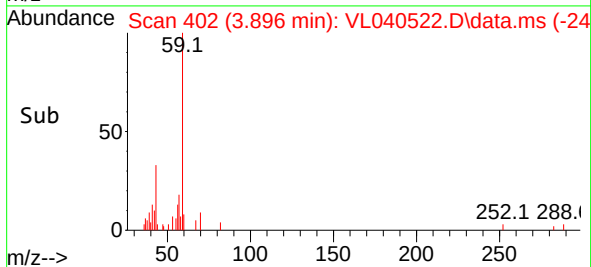
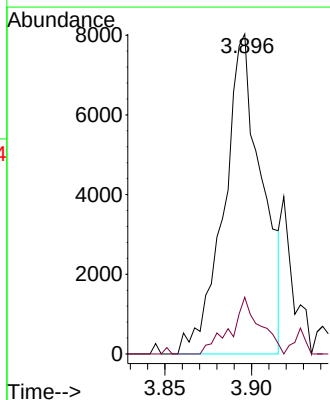
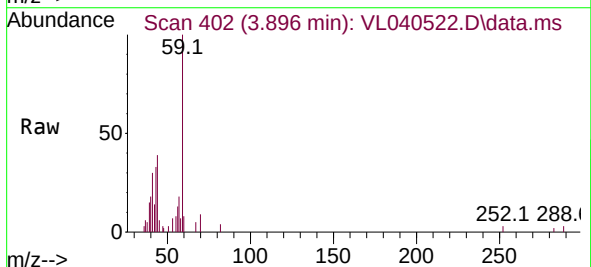
Manual Integrations
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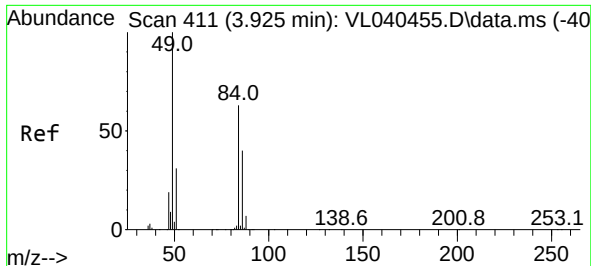
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#17
tert-Butyl alcohol
Concen: 0.094 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.013 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

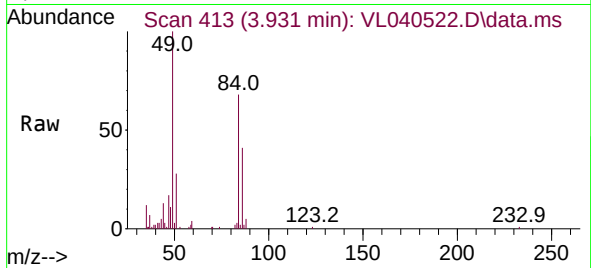
Tgt Ion: 59 Resp: 12196
Ion Ratio Lower Upper
59 100
57 16.4 8.7 13.1#





#20
Methylene Chloride
Concen: 0.581 ppbv m
RT: 3.931 min Scan# 411
Delta R.T. -0.010 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

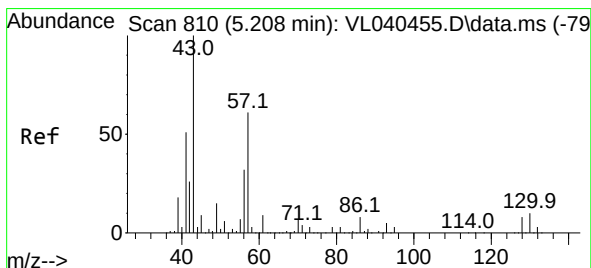
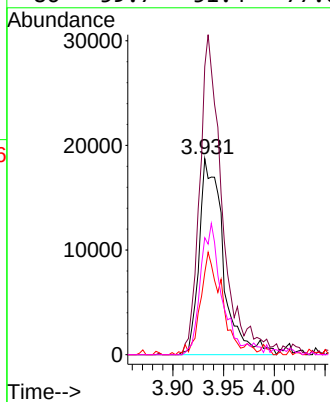
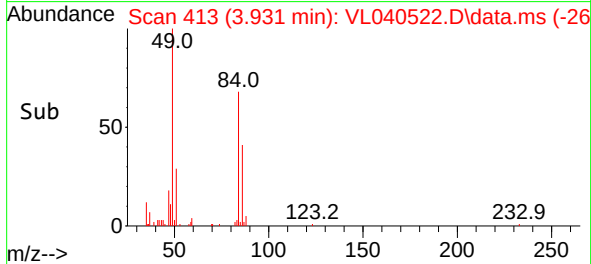
Instrument :
MSVOA_L
ClientSampleId :
SV2



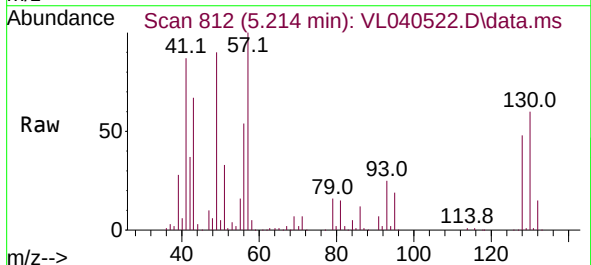
Tgt Ion: 84 Resp: 30852
Ion Ratio Lower Upper
84 100
49 147.0 123.4 185.2
51 41.8 38.3 57.5
86 59.7 51.4 77.0

Manual Integrations
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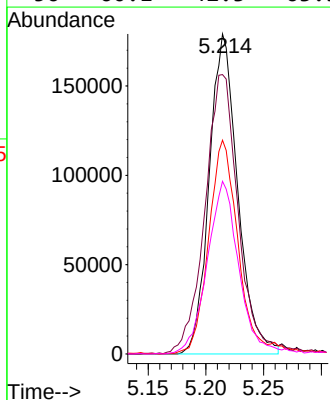
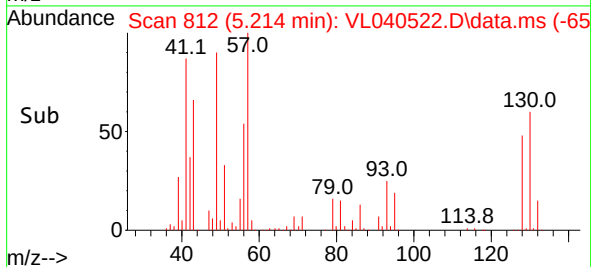
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

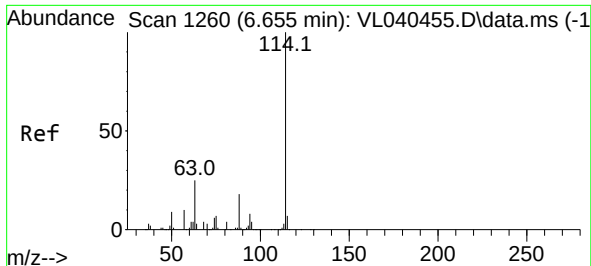


#26
Hexane
Concen: 2.788 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.006 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21



Tgt Ion: 57 Resp: 307727
Ion Ratio Lower Upper
57 100
41 103.9 69.5 104.3
43 70.6 177.1 265.7#
56 60.1 42.3 63.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL040522.D

Acq: 11 Jul 2023 1:21

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:114 Resp: 282372

Ion Ratio Lower Upper

114 100

63 24.3 19.6 29.4

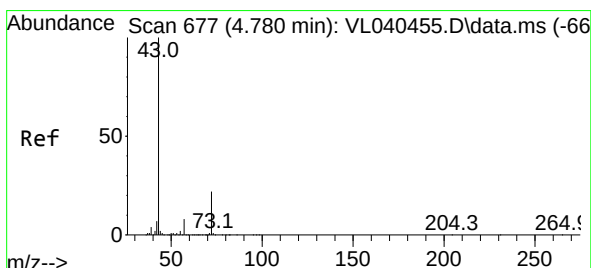
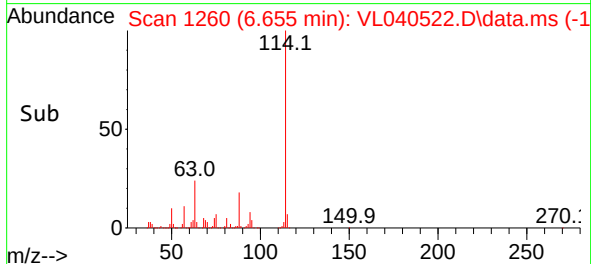
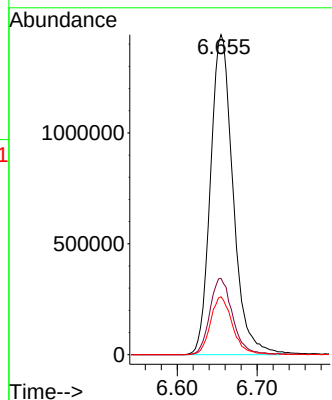
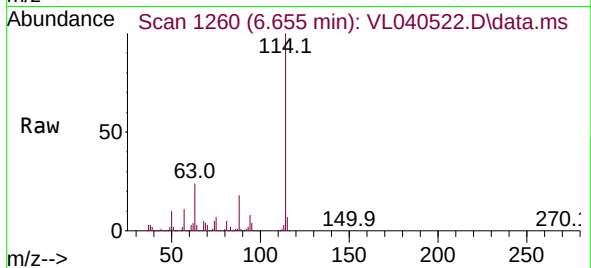
88 17.9 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#34

2-Butanone

Concen: 0.293 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.006 min

Lab File: VL040522.D

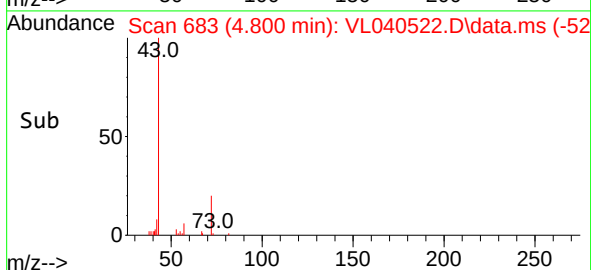
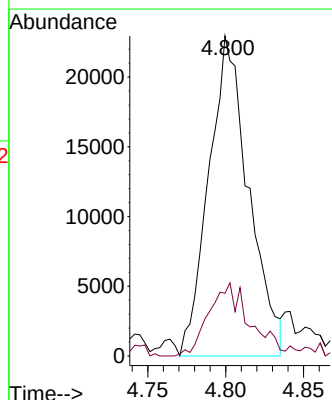
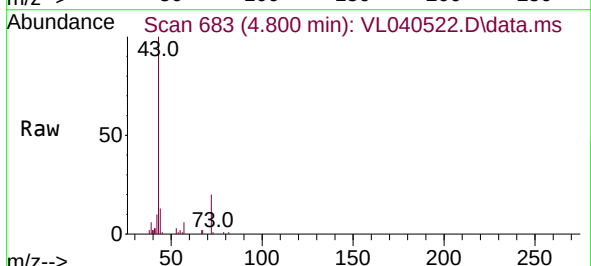
Acq: 11 Jul 2023 1:21

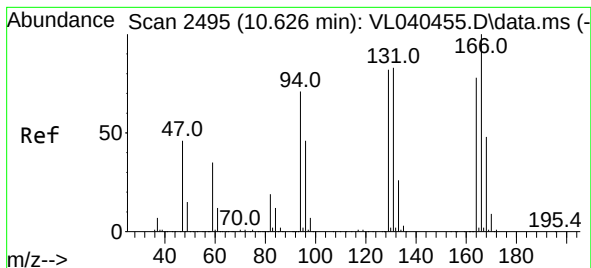
Tgt Ion: 43 Resp: 40884

Ion Ratio Lower Upper

43 100

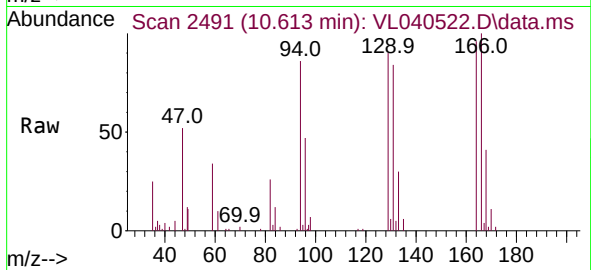
72 25.9 19.1 28.7





#52
Tetrachloroethene
Concen: 0.437 ppbv m
RT: 10.613 min Scan# 2495
Delta R.T. -0.013 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

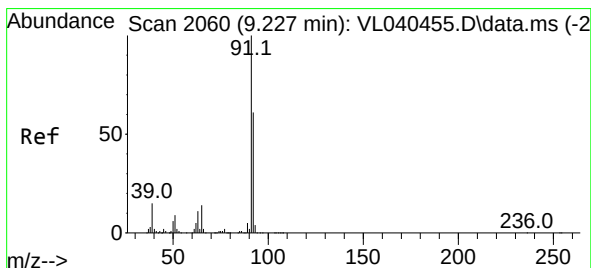
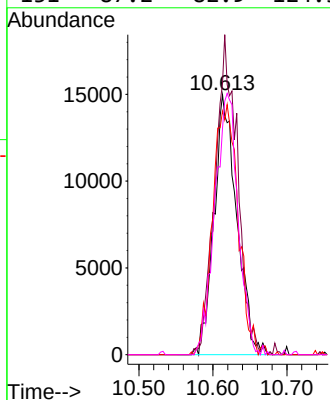
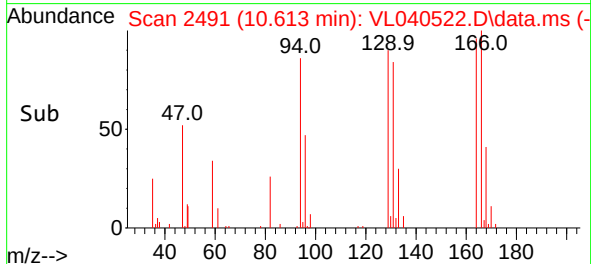
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:164 Resp: 32159
Ion Ratio Lower Upper
164 100
166 104.4 103.9 155.9
129 93.7 84.6 126.8
131 87.2 82.9 124.3

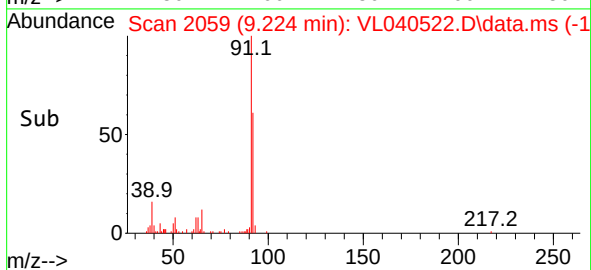
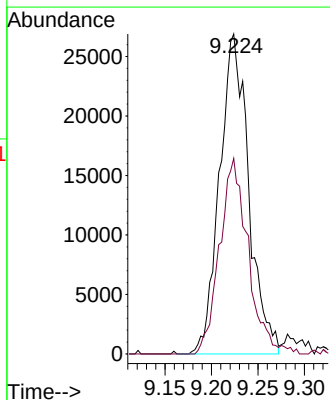
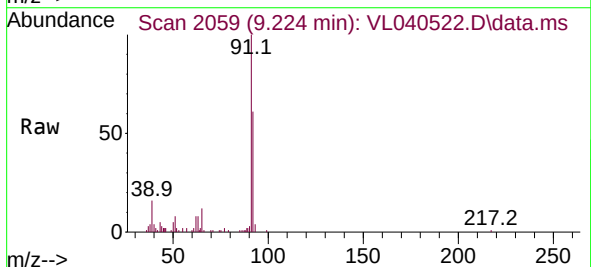
Manual Integrations
APPROVED

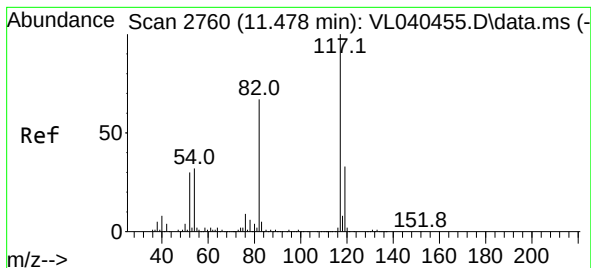
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#53
Toluene
Concen: 0.237 ppbv m
RT: 9.224 min Scan# 2059
Delta R.T. -0.006 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

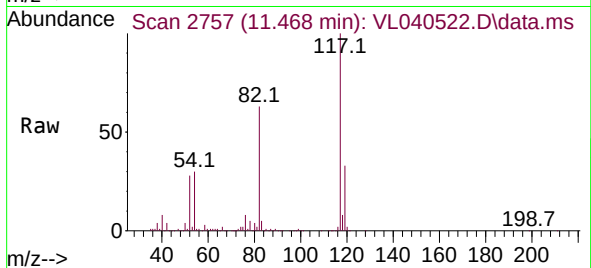
Tgt Ion: 91 Resp: 58470
Ion Ratio Lower Upper
91 100
92 60.0 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

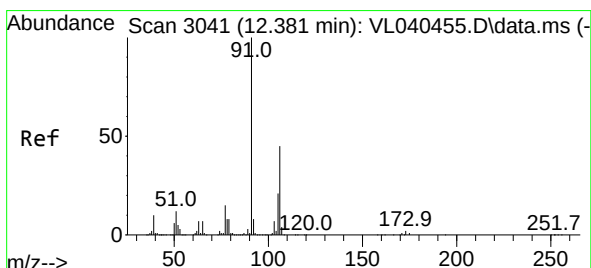
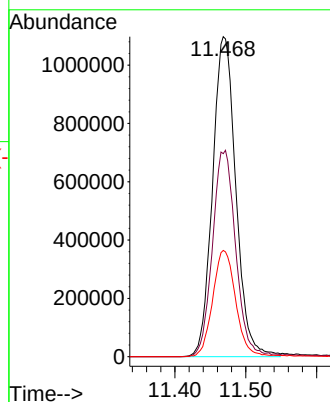
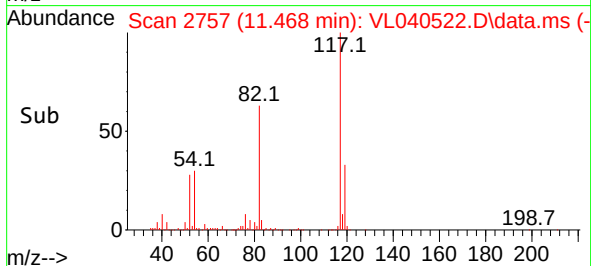
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:117 Resp: 250717
Ion Ratio Lower Upper
117 100
82 65.2 50.2 75.4
119 33.2 26.9 40.3

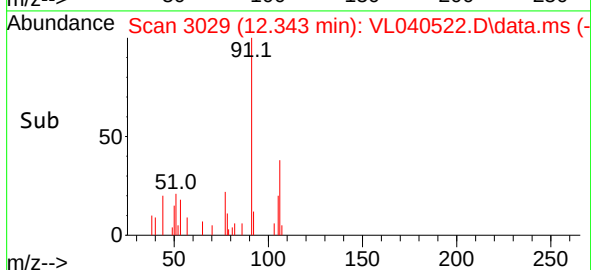
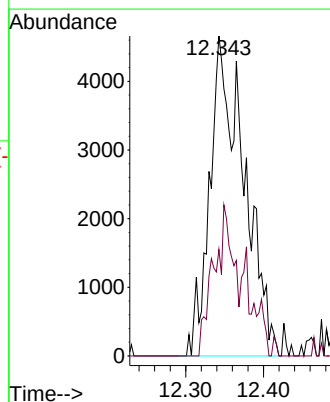
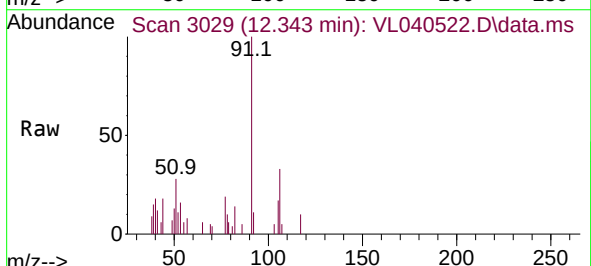
Manual Integrations
APPROVED

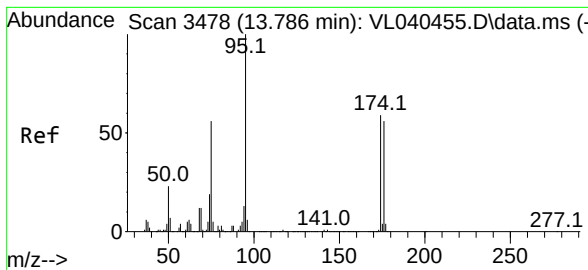
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#59
m/p-Xylene
Concen: 0.050 ppbv m
RT: 12.343 min Scan# 3029
Delta R.T. -0.042 min
Lab File: VL040522.D
Acq: 11 Jul 2023 1:21

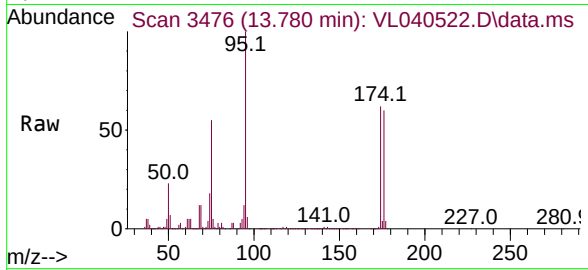
Tgt Ion: 91 Resp: 14180
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.928 ppbv
 RT: 13.780 min Scan# 3478
 Delta R.T. -0.003 min
 Lab File: VL040522.D
 Acq: 11 Jul 2023 1:21

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 95 Resp: 1969948
 Ion Ratio Lower Upper
 95 100
 174 62.0 50.6 75.8
 175 4.4 3.7 5.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023

