

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041136.D
 Acq On : 4 Apr 2024 22:12
 Operator : SY/MD
 Sample : P1953-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 05:13:55 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Apr 05 04:49:46 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1415899	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	3899770	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	3527534	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	2705923	9.539	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
2) Dichlorodifluoromethane	2.735	85	29119m	0.120	ppbv	Qvalue
9) Propene	2.703	41	44303	0.639	ppbv	94
13) Ethanol	3.256	45	33777	2.047	ppbv	99
15) Acetone	3.478	43	1186032	7.736	ppbv #	79
17) tert-Butyl alcohol	3.906	59	47103	0.339	ppbv #	91
20) Methylene Chloride	3.947	84	239509	3.788	ppbv	95
26) Hexane	5.234	57	117697m	0.911	ppbv	
34) 2-Butanone	4.800	43	3007774	18.226	ppbv	99
51) 2-Hexanone	9.581	43	466748m	2.318	ppbv	
52) Tetrachloroethene	10.635	164	3508m	0.038	ppbv	
53) Toluene	9.240	91	58114m	0.193	ppbv	
59) m/p-Xylene	12.375	91	68274m	0.196	ppbv	
60) o-Xylene	13.089	91	35855m	0.108	ppbv	
74) 1,2,4-Trimethylbenzene	16.137	105	90239m	0.242	ppbv	

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

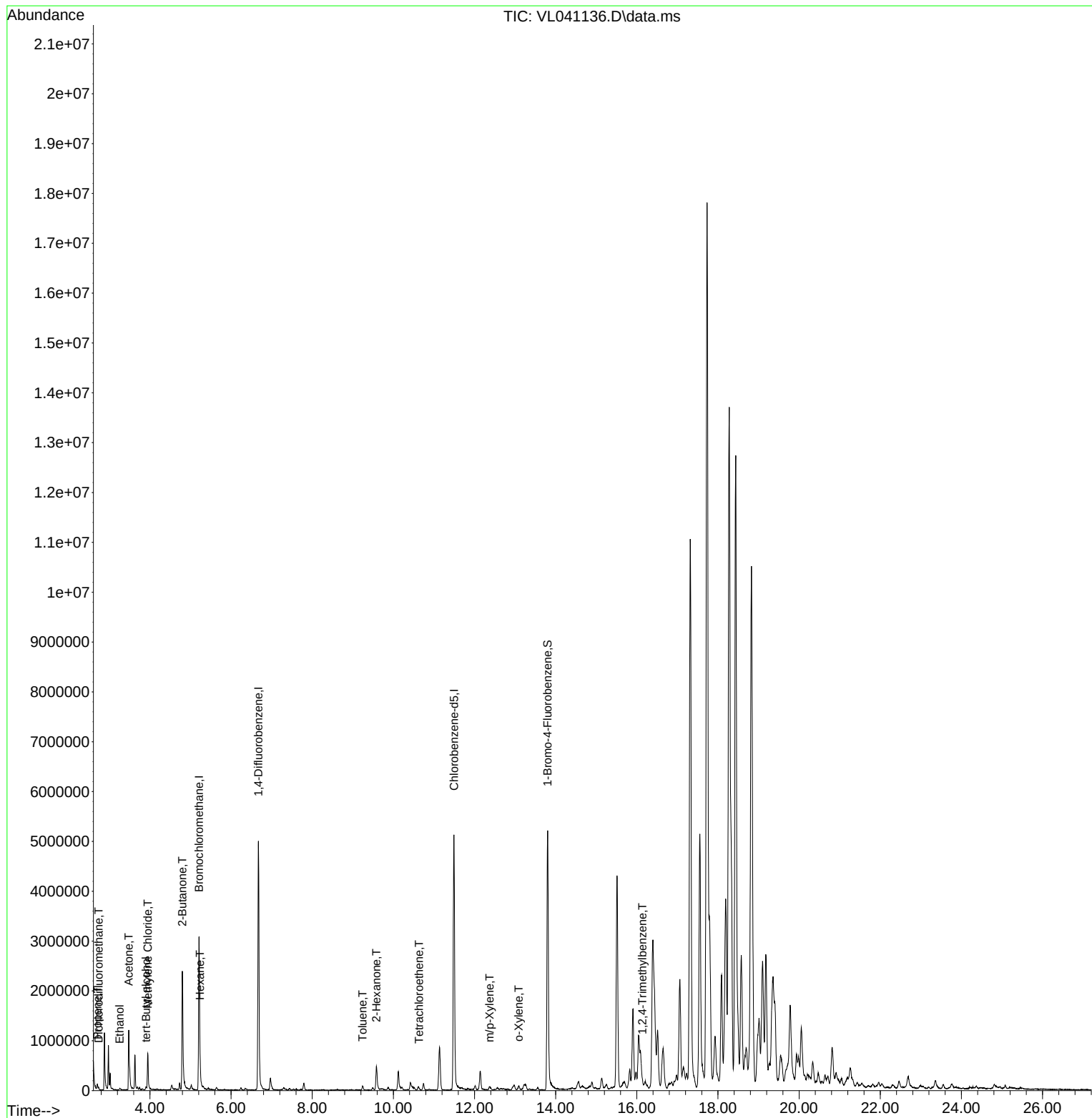
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
Data File : VL041136.D
Acq On : 4 Apr 2024 22:12
Operator : SY/MD
Sample : P1953-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

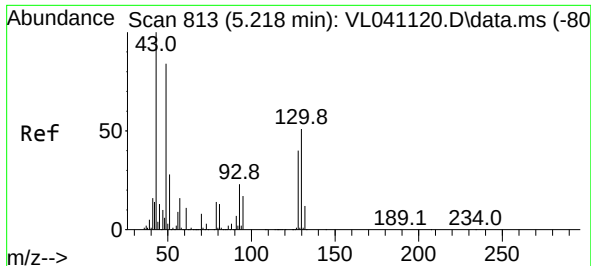
Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: Apr 05 05:13:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 05 04:49:46 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 04/05/2024
Supervised By : Mahesh Dadoda 04/05/2024





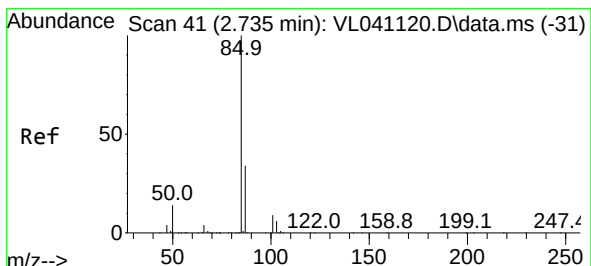
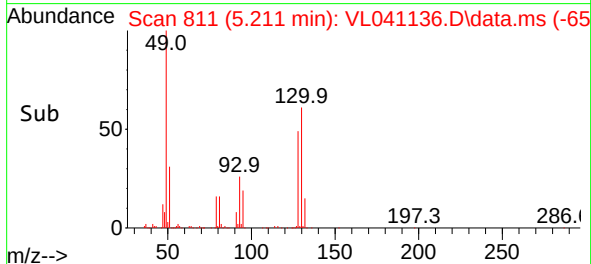
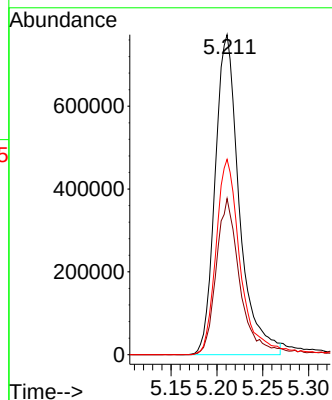
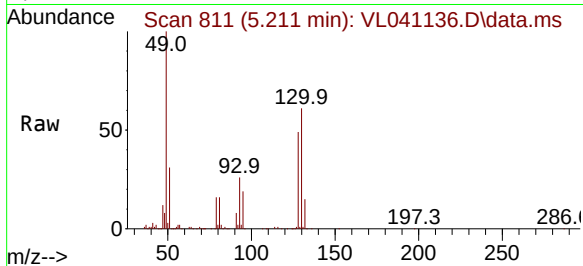
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 813
Delta R.T. -0.007 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 49 Resp: 141589
Ion Ratio Lower Upper
49 100
128 49.7 23.6 71.0
130 63.9 30.1 90.5

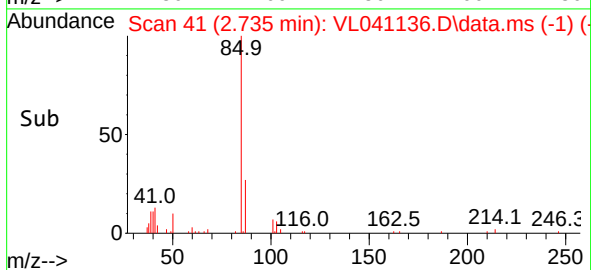
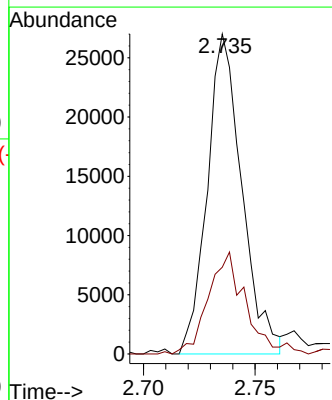
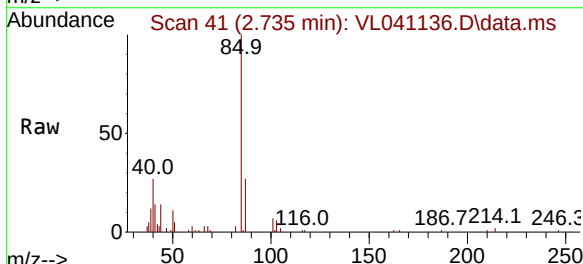
Manual Integrations
APPROVED

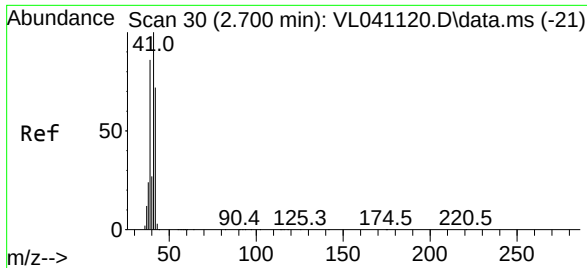
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#2
Dichlorodifluoromethane
Concen: 0.120 ppbv m
RT: 2.735 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

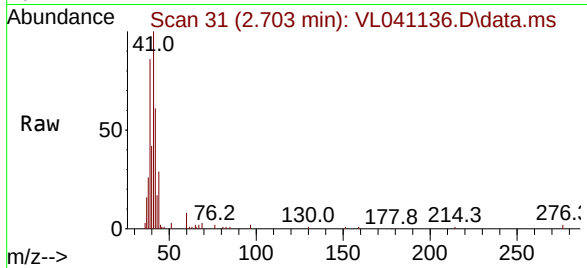
Tgt Ion: 85 Resp: 29119
Ion Ratio Lower Upper
85 100
87 27.1 27.0 40.6





#9
Propene
Concen: 0.639 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

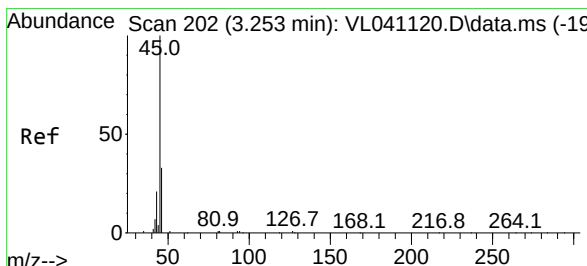
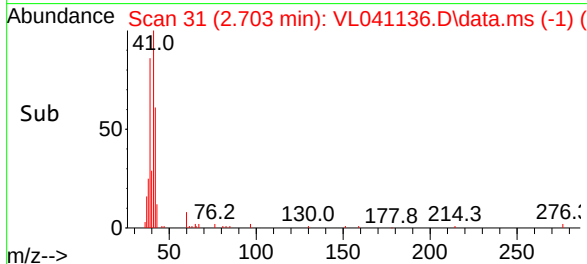
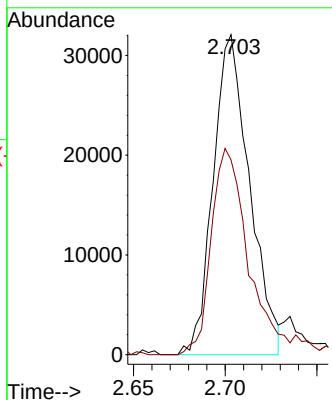
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 41 Resp: 4430
Ion Ratio Lower Upper
41 100
42 69.7 60.1 90.1

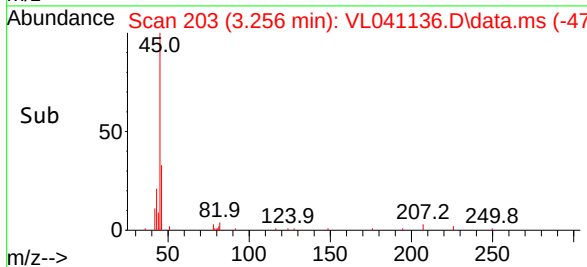
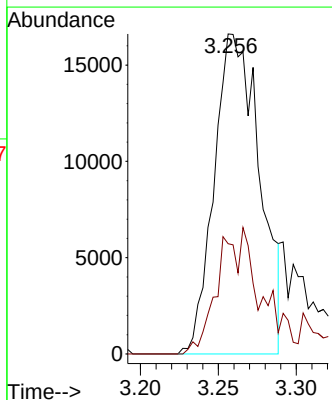
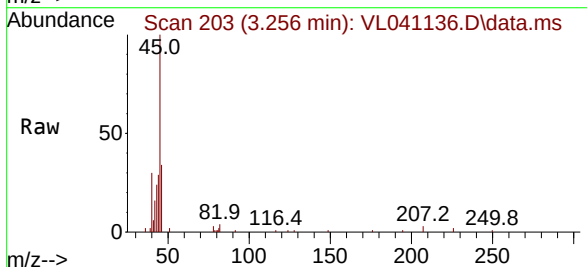
Manual Integrations
APPROVED

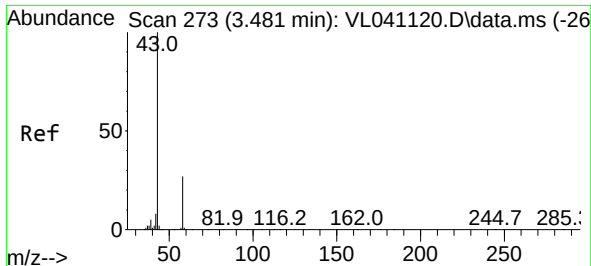
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#13
Ethanol
Concen: 2.047 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.003 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

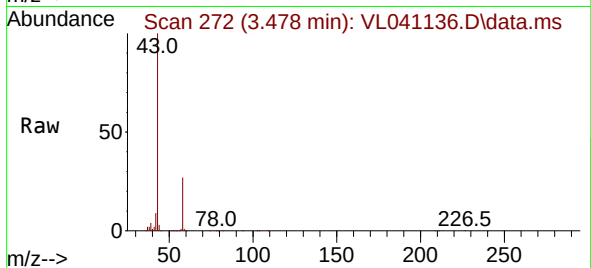
Tgt Ion: 45 Resp: 33777
Ion Ratio Lower Upper
45 100
46 36.9 15.0 59.8





#15
Acetone
Concen: 7.736 ppbv
RT: 3.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

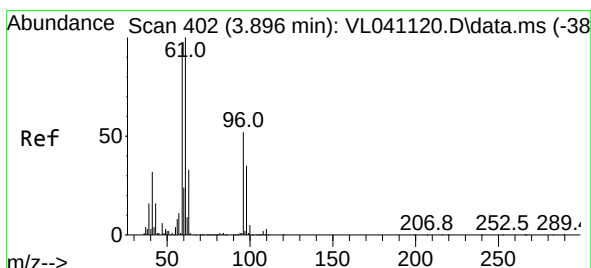
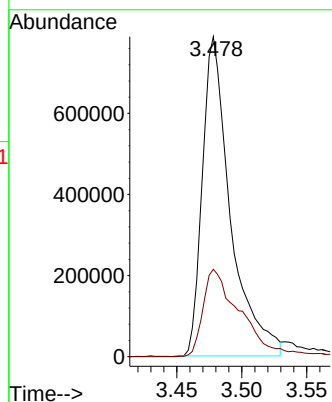
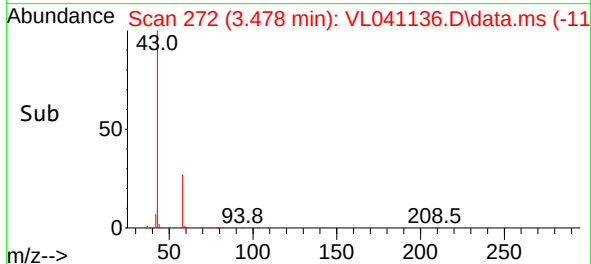
Instrument :
MSVOA_L
ClientSampleId :
SV3



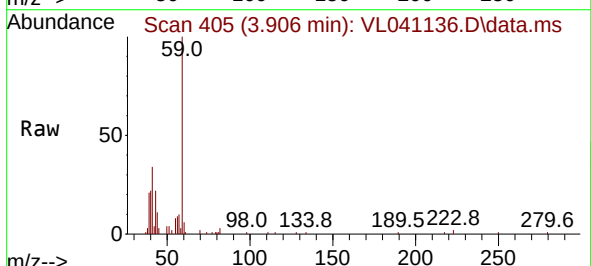
Tgt Ion: 43 Resp: 118603
Ion Ratio Lower Upper
43 100
58 37.2 21.1 31.7

Manual Integrations
APPROVED

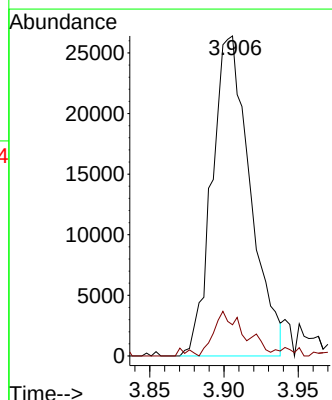
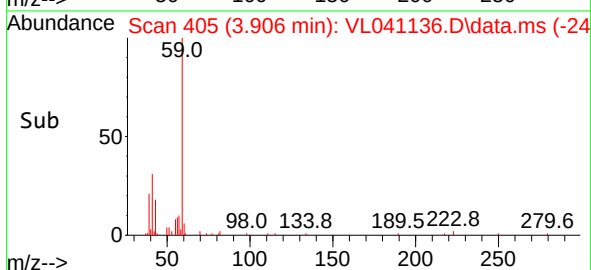
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

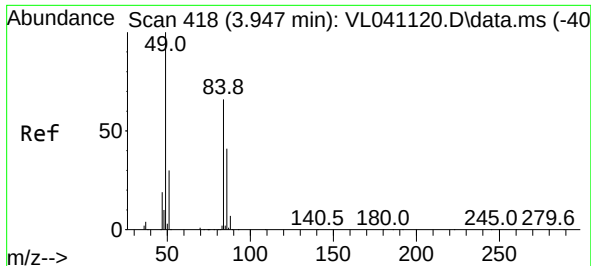


#17
tert-Butyl alcohol
Concen: 0.339 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.010 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12



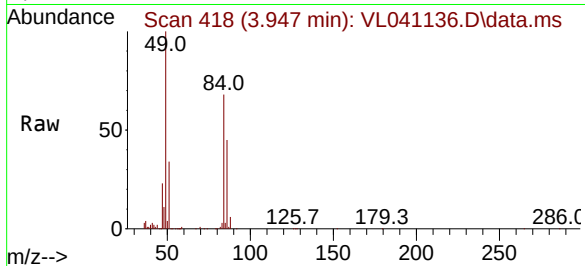
Tgt Ion: 59 Resp: 47103
Ion Ratio Lower Upper
59 100
57 14.1 8.7 13.1





#20
Methylene Chloride
Concen: 3.788 ppbv
RT: 3.947 min Scan# 418
Delta R.T. -0.000 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

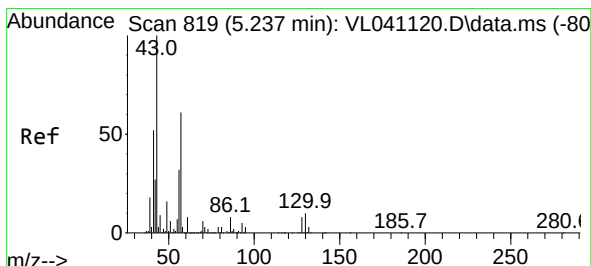
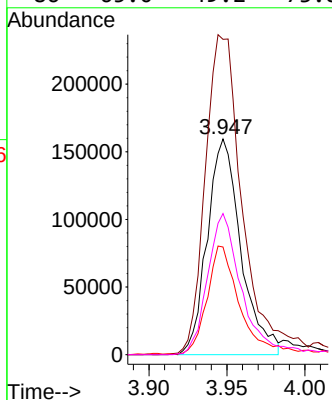
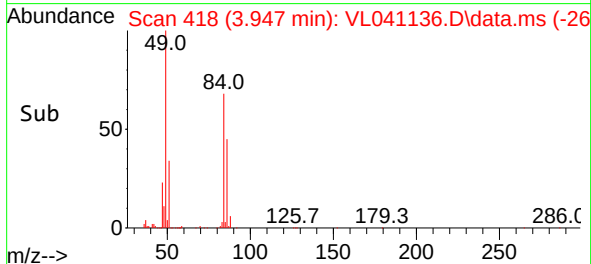
Instrument :
MSVOA_L
ClientSampleId :
SV3



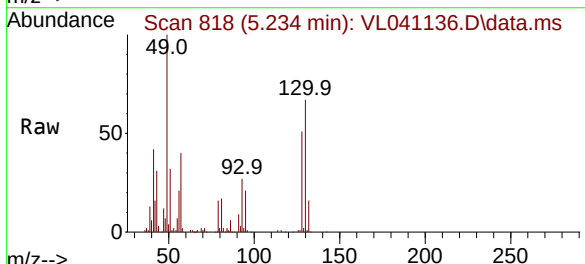
Tgt Ion: 84 Resp: 239509
Ion Ratio Lower Upper
84 100
49 145.5 120.7 181.1
51 49.6 36.6 54.8
86 65.0 49.2 73.8

Manual Integrations
APPROVED

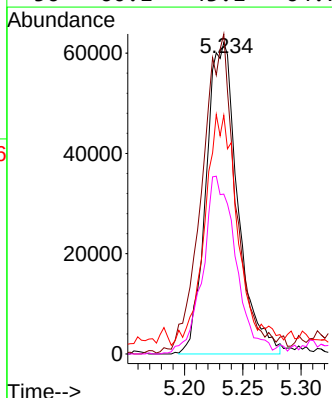
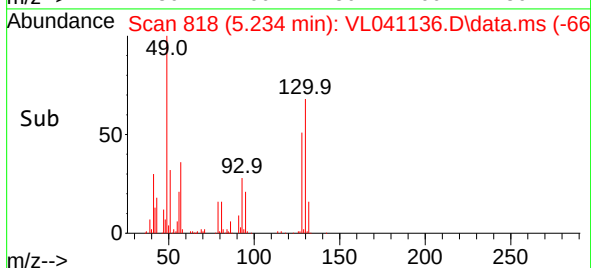
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

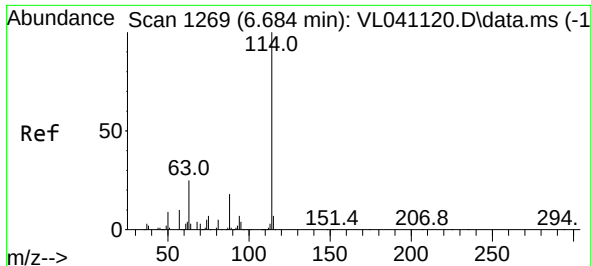


#26
Hexane
Concen: 0.911 ppbv m
RT: 5.234 min Scan# 818
Delta R.T. -0.003 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12



Tgt Ion: 57 Resp: 117697
Ion Ratio Lower Upper
57 100
41 0.0 73.8 110.8#
43 88.6 186.2 279.2#
56 60.1 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL041136.D

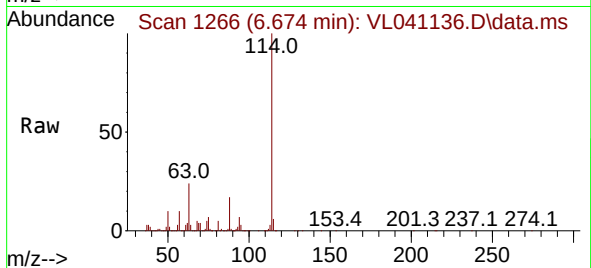
Acq: 4 Apr 2024 22:12

Instrument :

MSVOA_L

ClientSampleId :

SV3



Tgt Ion:114 Resp: 3899770

Ion Ratio Lower Upper

114 100

63 24.7 20.9 31.3

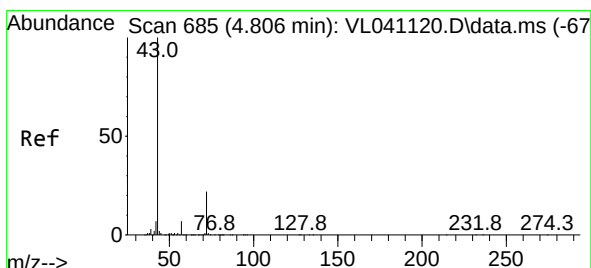
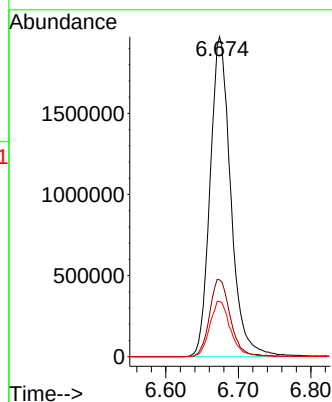
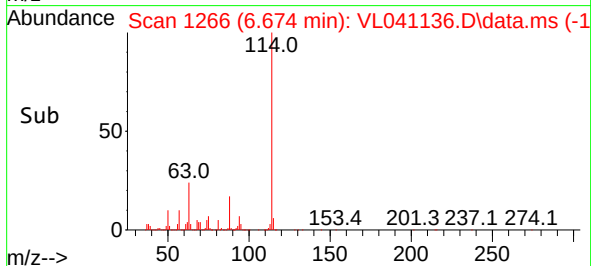
88 17.6 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#34

2-Butanone

Concen: 18.226 ppbv

RT: 4.800 min Scan# 683

Delta R.T. -0.006 min

Lab File: VL041136.D

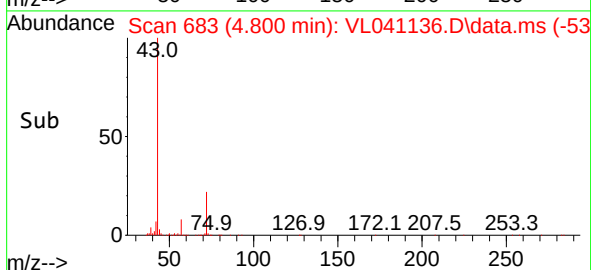
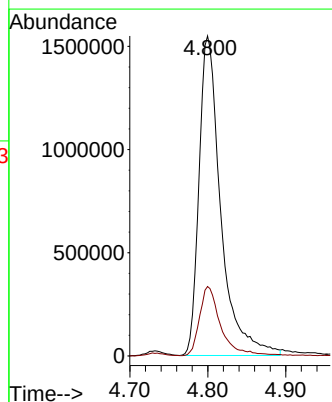
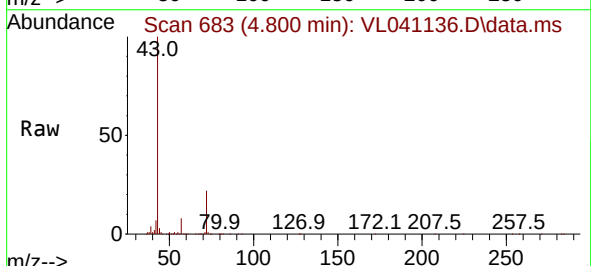
Acq: 4 Apr 2024 22:12

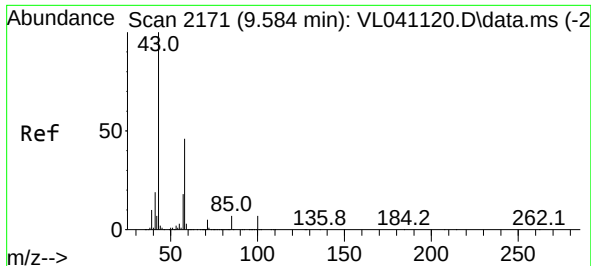
Tgt Ion: 43 Resp: 3007774

Ion Ratio Lower Upper

43 100

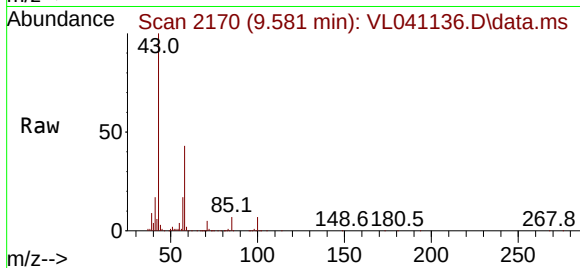
72 21.3 17.6 26.4





#51
2-Hexanone
Concen: 2.318 ppbv m
RT: 9.581 min Scan# 2171
Delta R.T. -0.003 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

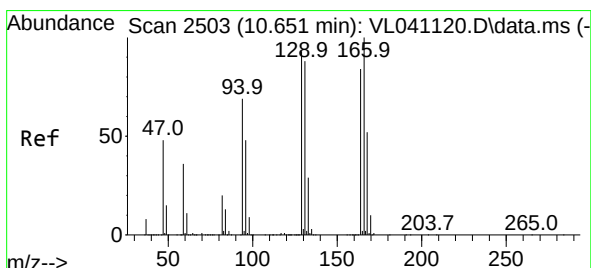
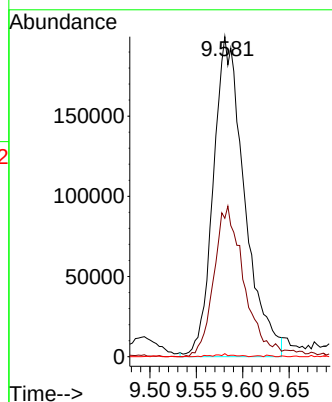
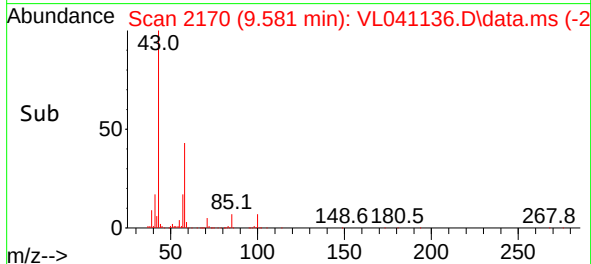
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 43 Resp: 466748
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9#
98 0.5 0.3 0.5#

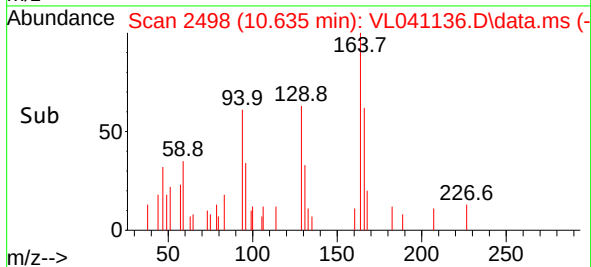
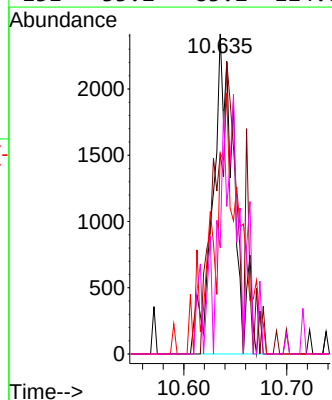
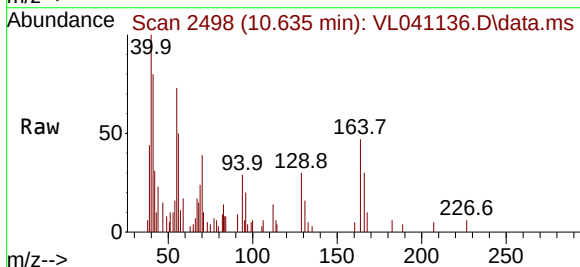
Manual Integrations
APPROVED

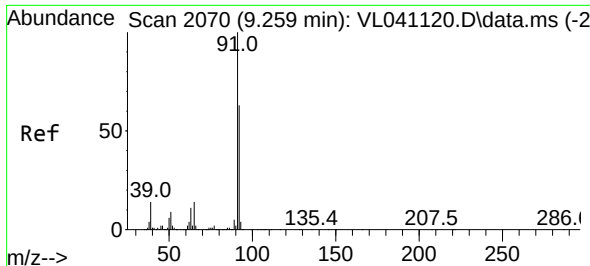
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. -0.016 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

Tgt Ion:164 Resp: 3508
Ion Ratio Lower Upper
164 100
166 62.4 95.0 142.6#
129 62.7 88.7 133.1#
131 33.2 83.2 124.8#





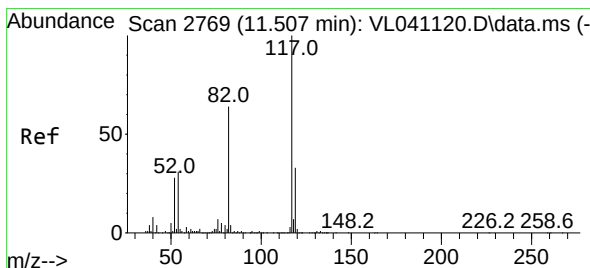
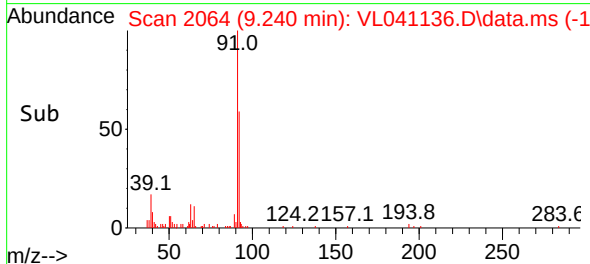
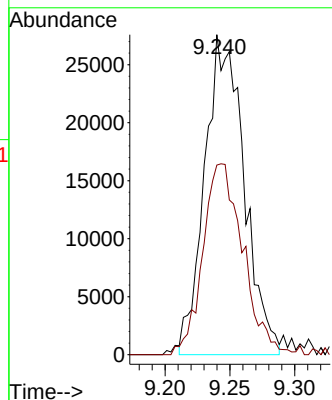
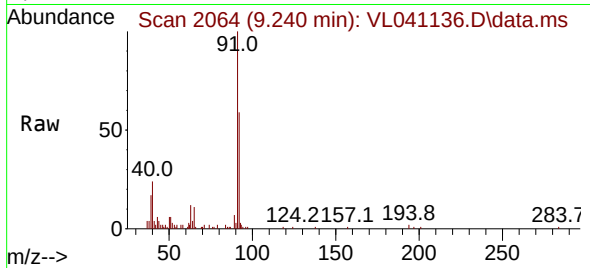
#53
Toluene
Concen: 0.193 ppbv m
RT: 9.240 min Scan# 2070
Delta R.T. -0.019 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 91 Resp: 58114
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.4

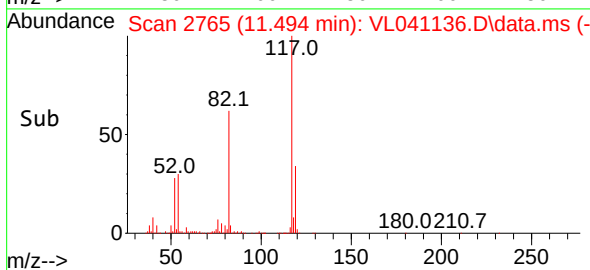
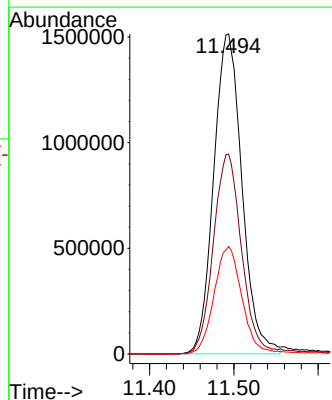
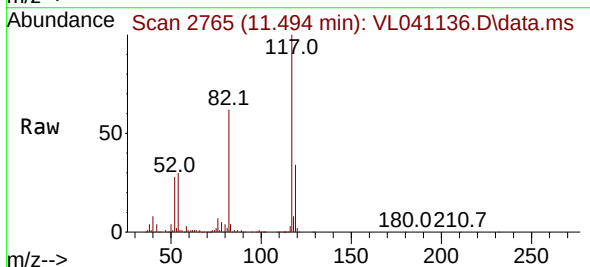
Manual Integrations
APPROVED

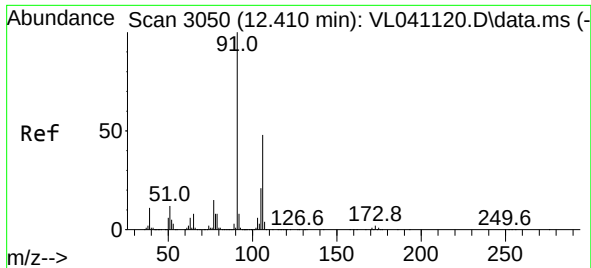
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. -0.013 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

Tgt Ion:117 Resp: 3527534
Ion Ratio Lower Upper
117 100
82 64.5 51.0 76.6
119 33.9 25.2 37.8





#59

m/p-Xylene

Concen: 0.196 ppbv m

RT: 12.375 min Scan# 3050

Delta R.T. -0.035 min

Lab File: VL041136.D

Acq: 4 Apr 2024 22:12

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion: 91 Resp: 68274

Ion Ratio Lower Upper

91 100

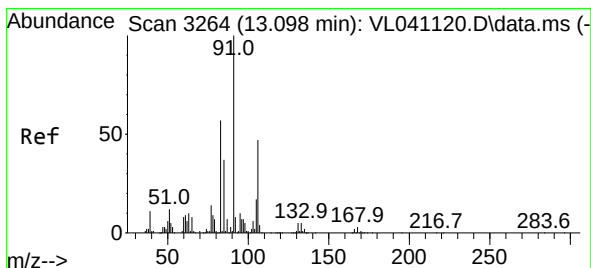
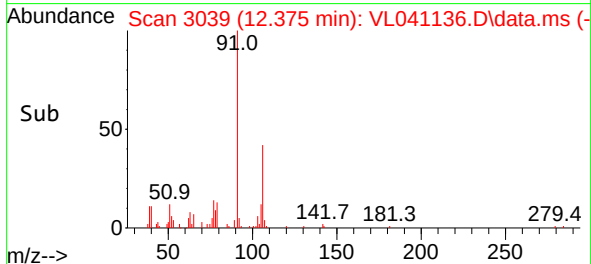
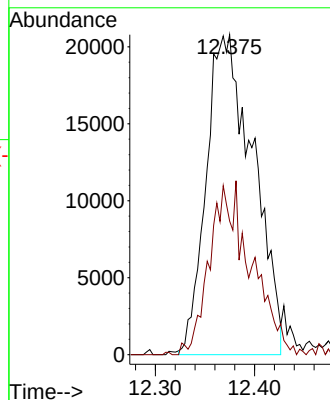
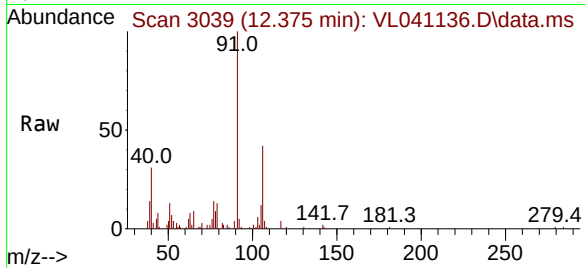
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#60

o-Xylene

Concen: 0.108 ppbv m

RT: 13.089 min Scan# 3261

Delta R.T. -0.010 min

Lab File: VL041136.D

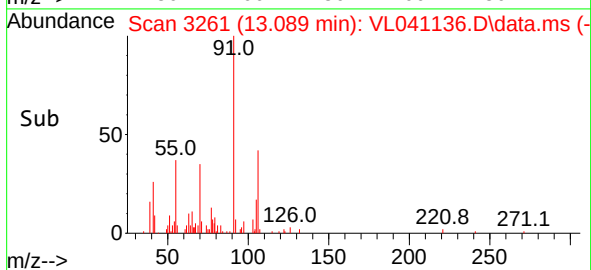
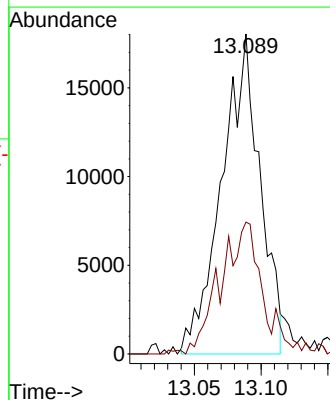
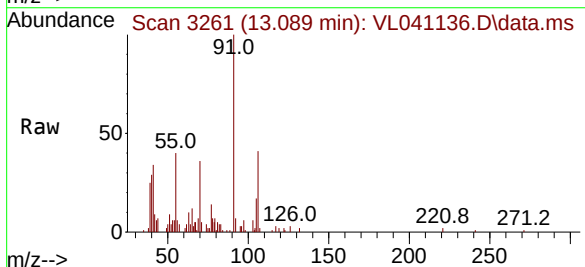
Acq: 4 Apr 2024 22:12

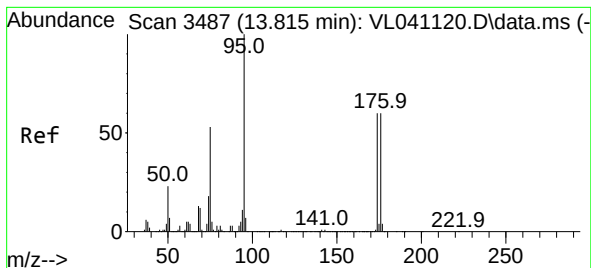
Tgt Ion: 91 Resp: 35855

Ion Ratio Lower Upper

91 100

106 0.0 22.9 68.5





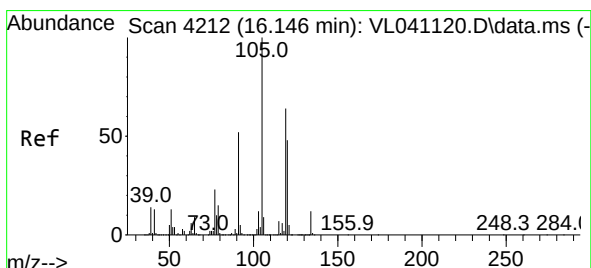
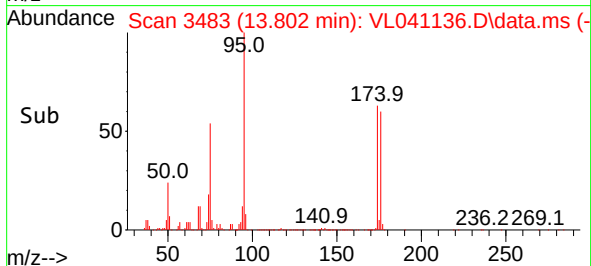
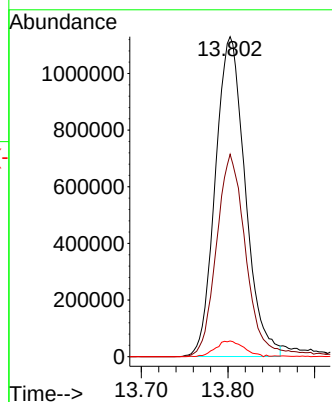
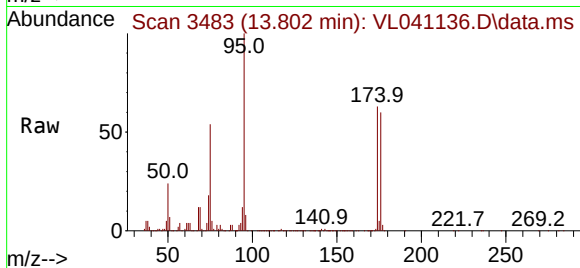
#68
1-Bromo-4-Fluorobenzene
Concen: 9.539 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. -0.013 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 95 Resp: 270592
Ion Ratio Lower Upper
95 100
174 64.3 49.3 73.9
175 4.7 3.6 5.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.242 ppbv m
RT: 16.137 min Scan# 4209
Delta R.T. -0.010 min
Lab File: VL041136.D
Acq: 4 Apr 2024 22:12

Tgt Ion:105 Resp: 90239
Ion Ratio Lower Upper
105 100
120 41.9 38.9 58.3
91 12.6 43.0 64.6#
77 14.5 18.6 28.0#

