

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041333.D
 Acq On : 5 Jun 2024 18:53
 Operator : SY/MD
 Sample : P2716-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2024
 Supervised By :Mahesh Dadoda 06/06/2024

Quant Time: Jun 06 04:42:19 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	903422	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2358068	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2163420	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1729217	10.352	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.761	85	21202	0.147	ppbv	90
9) Propene	2.732	41	47848	0.941	ppbv #	81
10) Heptane	7.597	43	30219	0.251	ppbv	94
13) Ethanol	3.282	45	15559m	1.176	ppbv	
15) Acetone	3.501	43	204297	1.981	ppbv	91
20) Methylene Chloride	3.960	84	166766	4.448	ppbv	97
26) Hexane	5.234	57	236962	2.582	ppbv #	42
30) Cyclohexane	6.619	84	11182m	0.150	ppbv	
34) 2-Butanone	4.819	43	127358	1.127	ppbv	94
44) 2,2,4-Trimethylpentane	7.346	57	58131m	0.185	ppbv	
52) Tetrachloroethene	10.622	164	22650m	0.340	ppbv	
53) Toluene	9.233	91	127539m	0.607	ppbv	
59) m/p-Xylene	12.355	91	66977m	0.282	ppbv	
60) o-Xylene	13.066	91	44751m	0.198	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	38310m	0.167	ppbv	
74) 1,2,4-Trimethylbenzene	16.117	105	140255	0.541	ppbv #	75

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

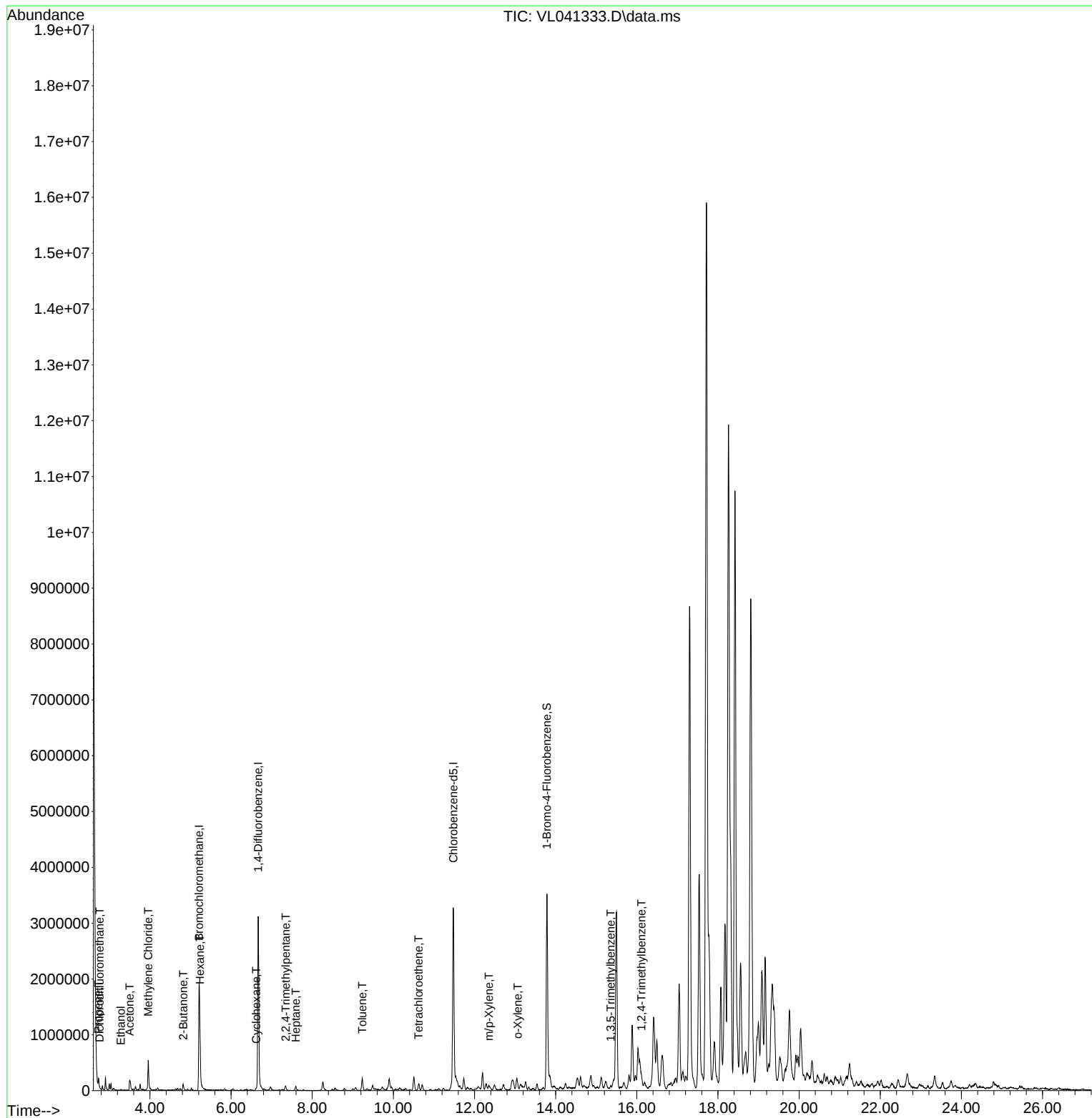
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
Data File : VL041333.D
Acq On : 5 Jun 2024 18:53
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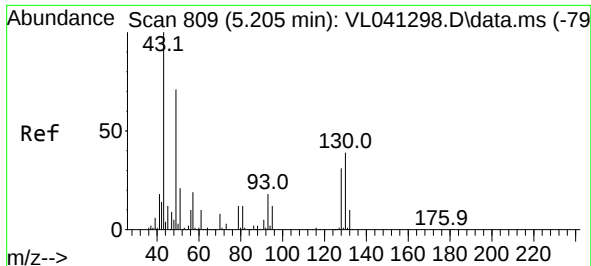
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jun 06 04:42:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 05 04:42:10 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

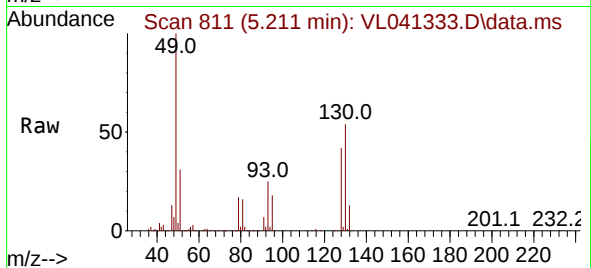
Reviewed By : Semsettin Yesilyurt 06/06/2024
Supervised By : Mahesh Dadoda 06/06/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

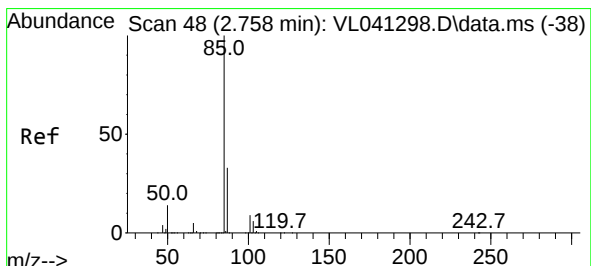
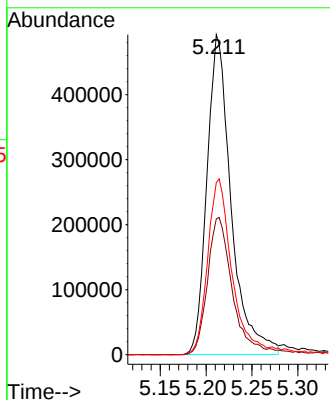
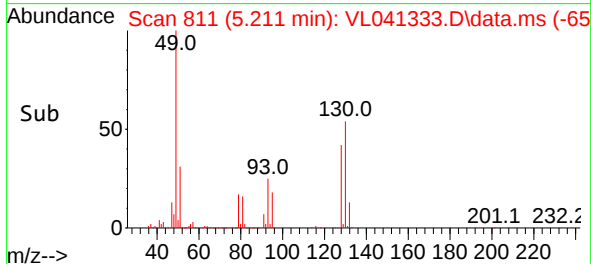
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 90342
Ion Ratio Lower Upper
49 100
128 45.6 22.8 68.3
130 58.6 28.4 85.3

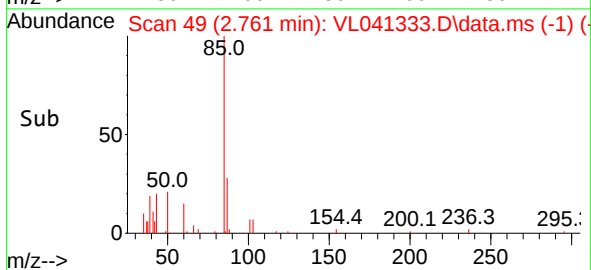
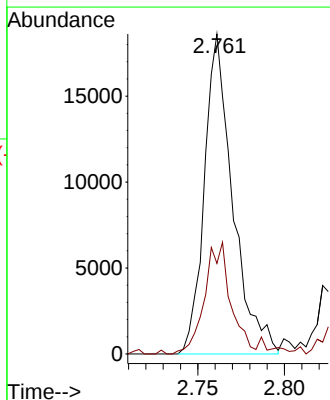
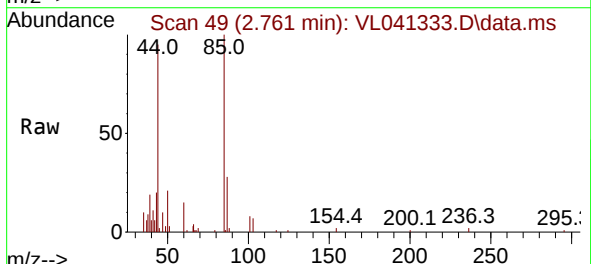
Manual Integrations
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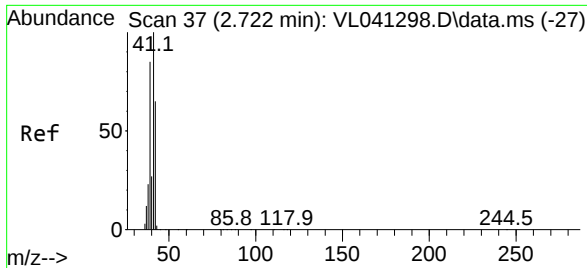
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#2
Dichlorodifluoromethane
Concen: 0.147 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.003 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

Tgt Ion: 85 Resp: 21202
Ion Ratio Lower Upper
85 100
87 27.4 26.5 39.7





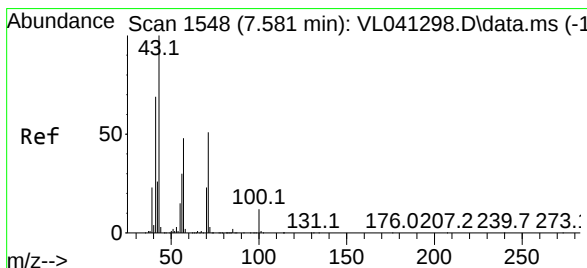
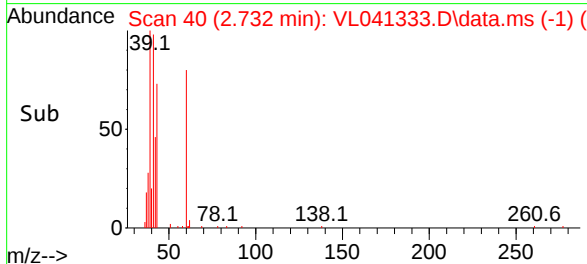
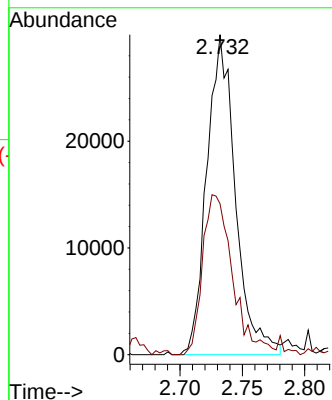
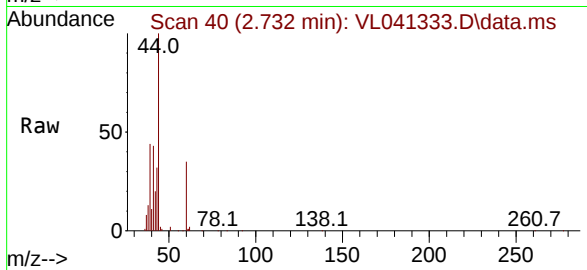
#9
Propene
Concen: 0.941 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.010 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 41 Resp: 4784
Ion Ratio Lower Upper
41 100
42 53.9 55.2 82.8

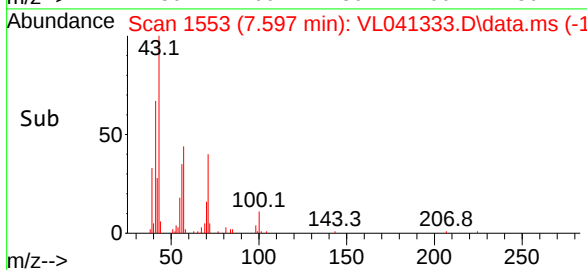
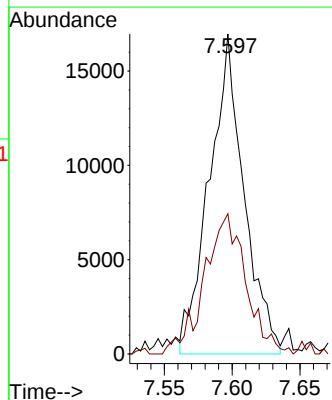
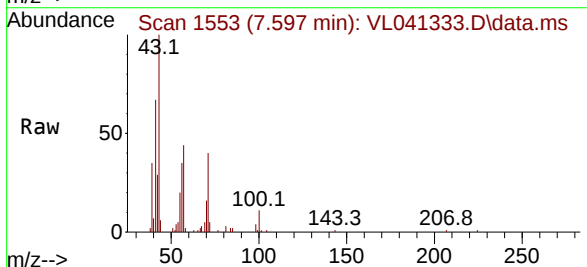
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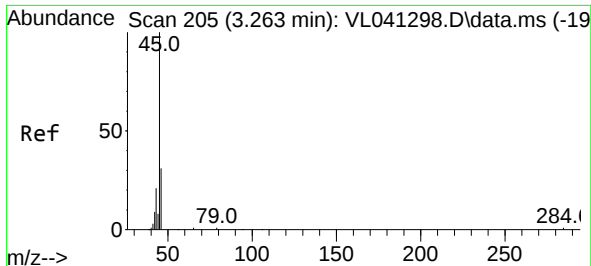
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#10
Heptane
Concen: 0.251 ppbv
RT: 7.597 min Scan# 1553
Delta R.T. 0.016 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

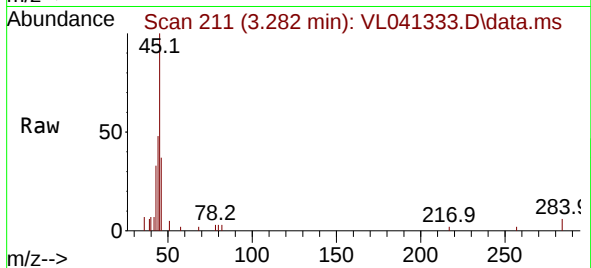
Tgt Ion: 43 Resp: 30219
Ion Ratio Lower Upper
43 100
57 52.8 39.0 58.4





#13
Ethanol
Concen: 1.176 ppbv m
RT: 3.282 min Scan# 211
Delta R.T. 0.019 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

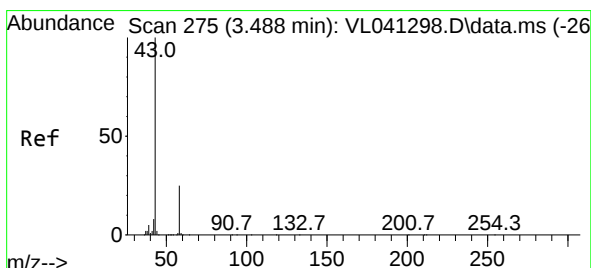
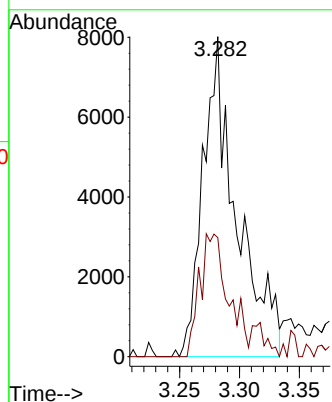
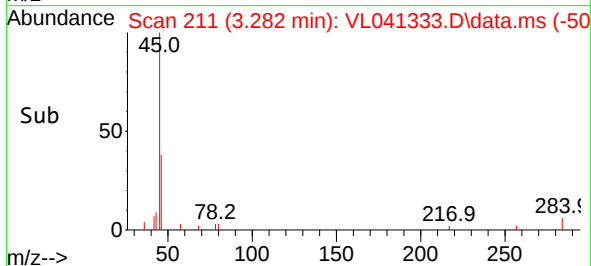
Instrument :
MSVOA_L
ClientSampleId :
SV1



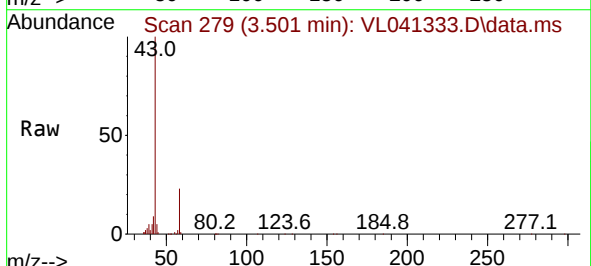
Tgt Ion: 45 Resp: 1555
Ion Ratio Lower Upper
45 100
46 37.4 14.2 56.6

Manual Integrations
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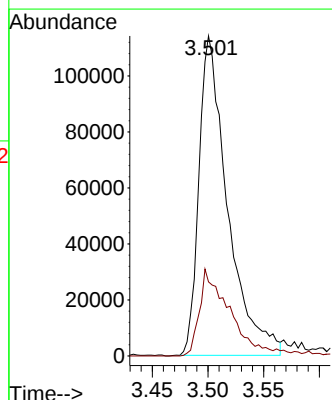
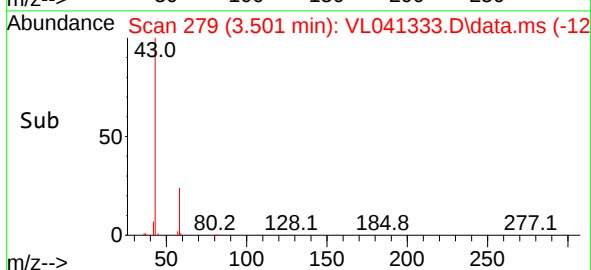
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

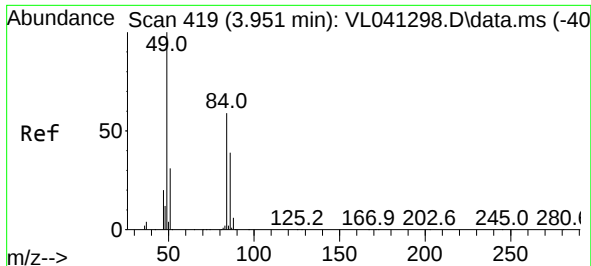


#15
Acetone
Concen: 1.981 ppbv
RT: 3.501 min Scan# 279
Delta R.T. 0.013 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53



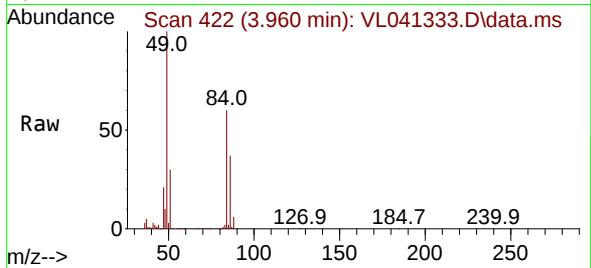
Tgt Ion: 43 Resp: 204297
Ion Ratio Lower Upper
43 100
58 30.6 20.6 31.0





#20
Methylene Chloride
Concen: 4.448 ppbv
RT: 3.960 min Scan# 419
Delta R.T. 0.010 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

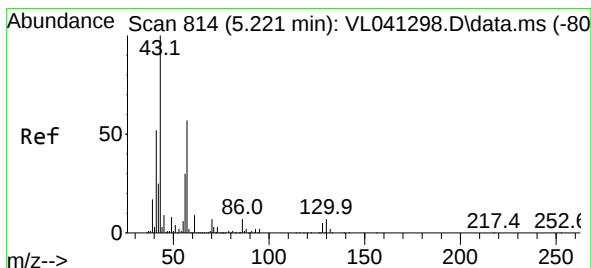
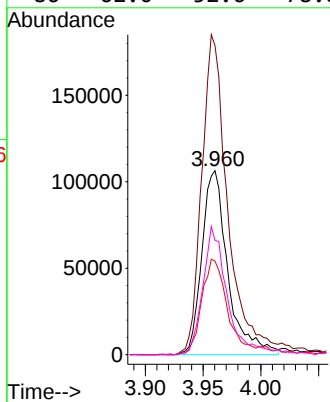
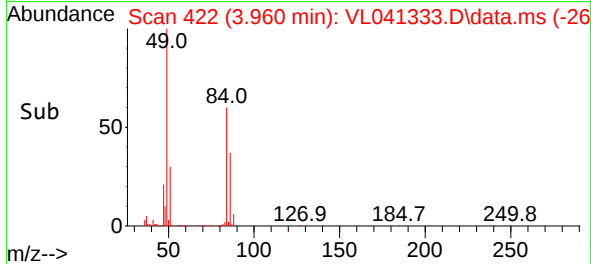
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 166760
Ion Ratio Lower Upper
84 100
49 167.4 136.2 204.2
51 50.3 41.9 62.9
86 62.0 52.6 78.8

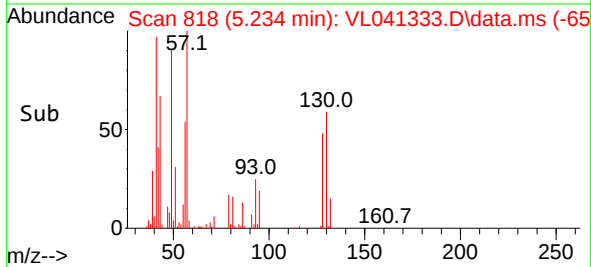
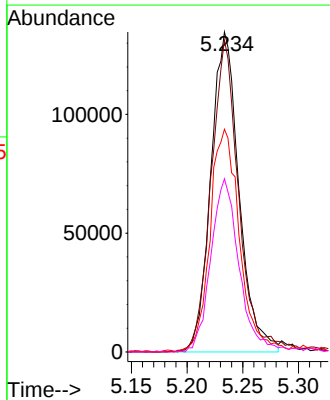
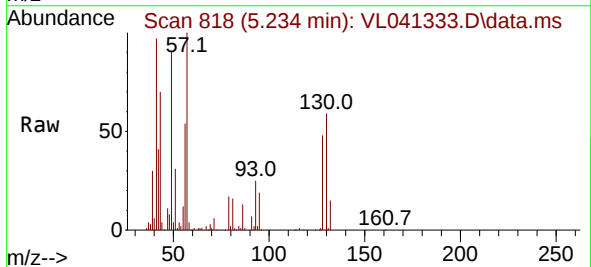
Manual Integrations
APPROVED

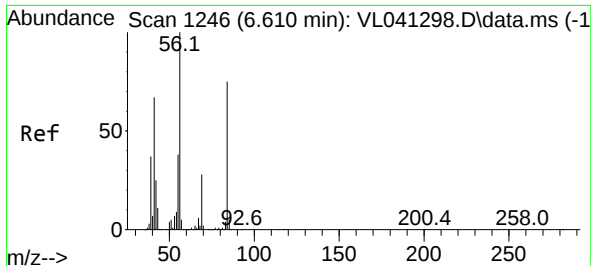
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#26
Hexane
Concen: 2.582 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.013 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

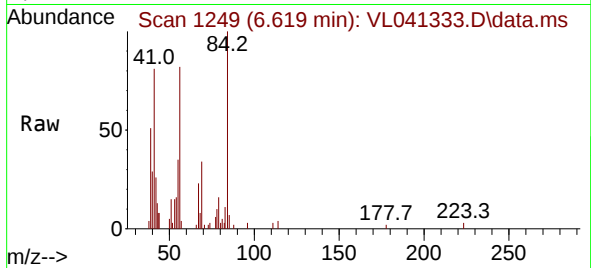
Tgt Ion: 57 Resp: 236962
Ion Ratio Lower Upper
57 100
41 98.3 77.1 115.7
43 75.2 186.1 279.1#
56 55.4 42.9 64.3





#30
Cyclohexane
Concen: 0.150 ppbv m
RT: 6.619 min Scan# 1246
Delta R.T. 0.010 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

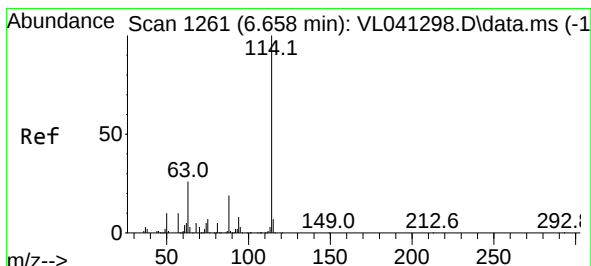
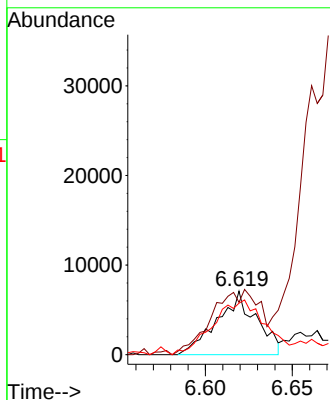
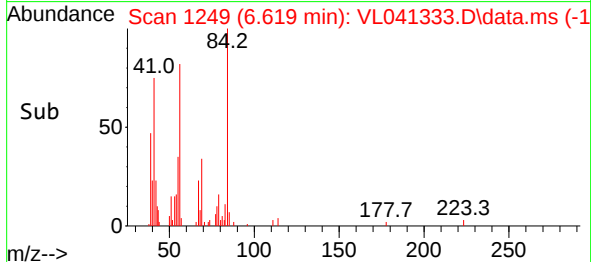
Instrument :
MSVOA_L
ClientSampleId :
SV1



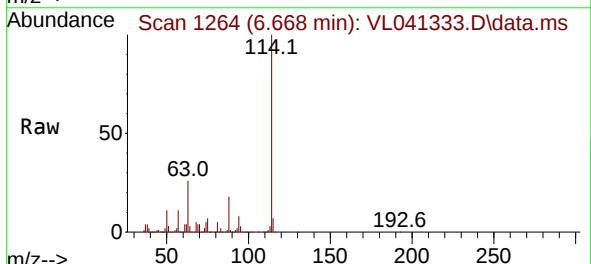
Tgt Ion: 84 Resp: 1118
Ion Ratio Lower Upper
84 100
56 129.7 114.9 172.3
41 140.6 74.4 111.6

Manual Integrations
APPROVED

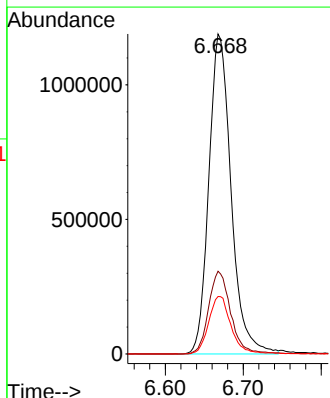
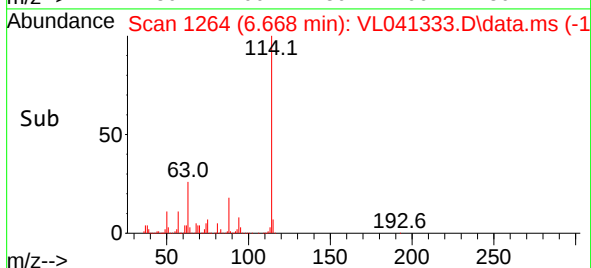
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

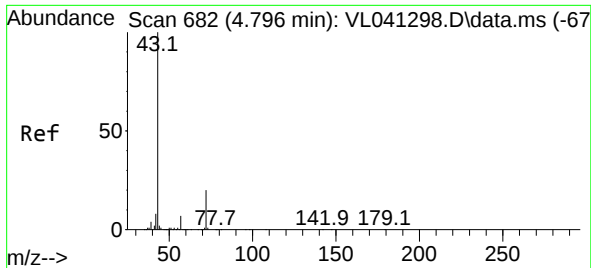


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53



Tgt Ion:114 Resp: 2358068
Ion Ratio Lower Upper
114 100
63 25.8 20.6 30.8
88 18.2 14.5 21.7





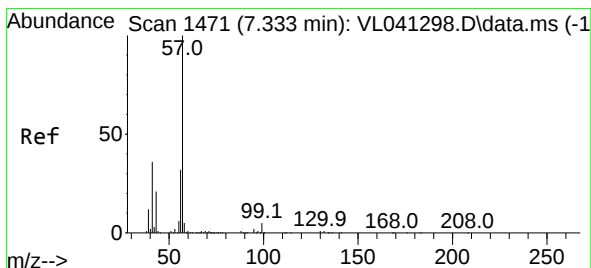
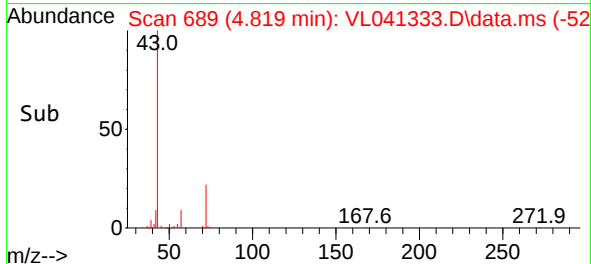
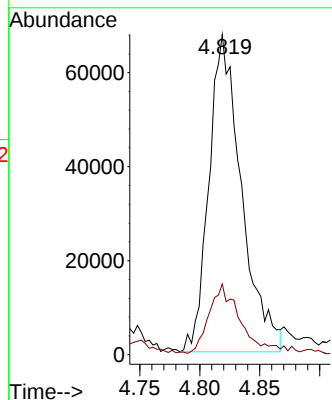
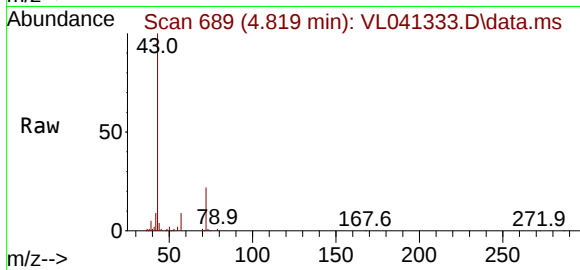
#34
2-Butanone
Concen: 1.127 ppbv
RT: 4.819 min Scan# 61
Delta R.T. 0.022 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 127358
Ion Ratio Lower Upper
43 100
72 24.4 17.4 26.0

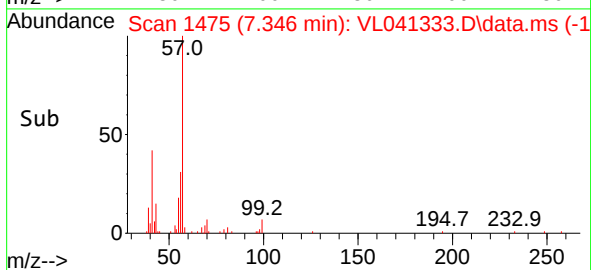
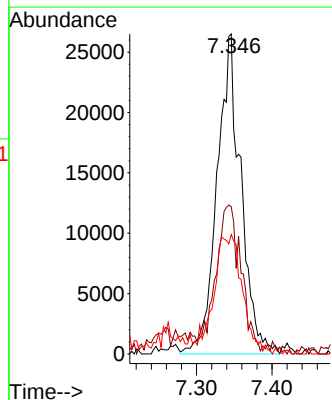
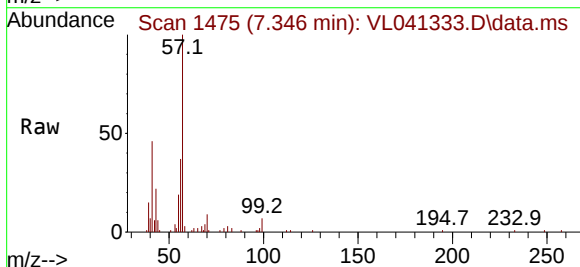
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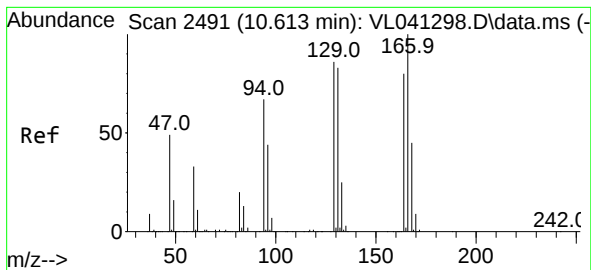
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#44
2,2,4-Trimethylpentane
Concen: 0.185 ppbv m
RT: 7.346 min Scan# 1475
Delta R.T. 0.013 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

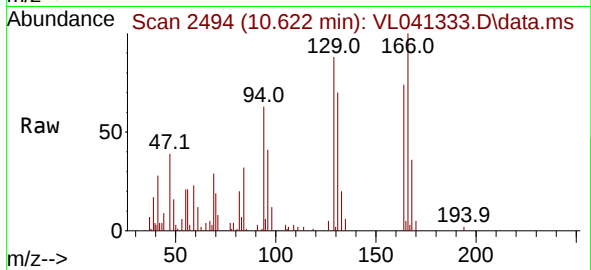
Tgt Ion: 57 Resp: 58131
Ion Ratio Lower Upper
57 100
41 51.9 29.4 44.2#
56 46.6 25.0 37.4#





#52
Tetrachloroethene
Concen: 0.340 ppbv m
RT: 10.622 min Scan# 2491
Delta R.T. 0.010 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

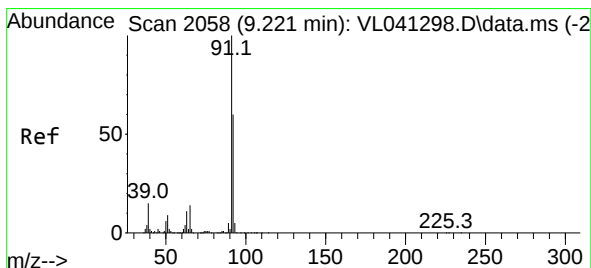
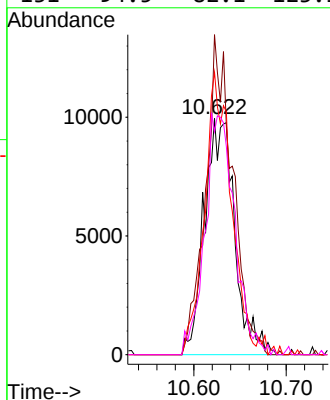
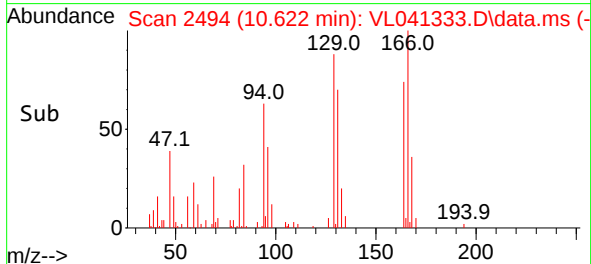
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 22650
Ion Ratio Lower Upper
164 100
166 135.5 99.4 149.0
129 119.7 85.4 128.2
131 94.5 82.1 123.1

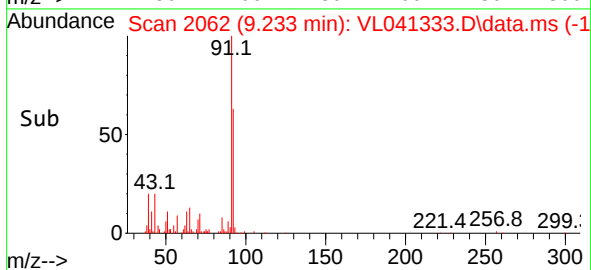
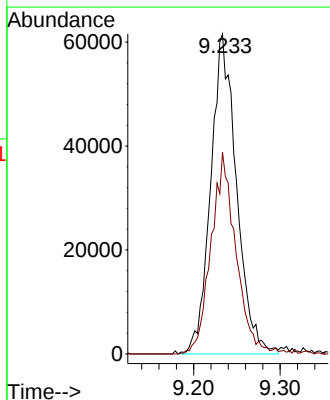
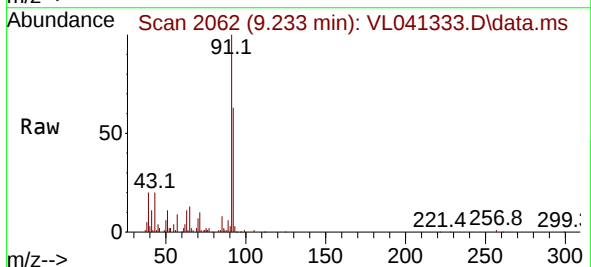
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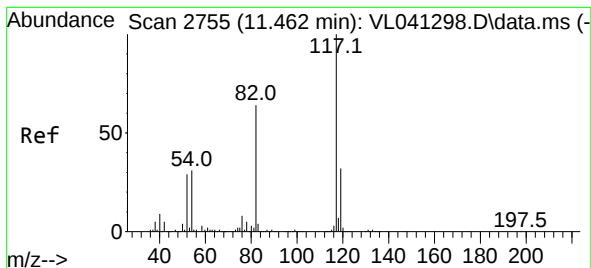
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#53
Toluene
Concen: 0.607 ppbv m
RT: 9.233 min Scan# 2062
Delta R.T. 0.013 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

Tgt Ion: 91 Resp: 127539
Ion Ratio Lower Upper
91 100
92 61.4 49.2 73.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041333.D

Acq: 5 Jun 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:117 Resp: 2163420

Ion Ratio Lower Upper

117 100

82 65.0 52.3 78.5

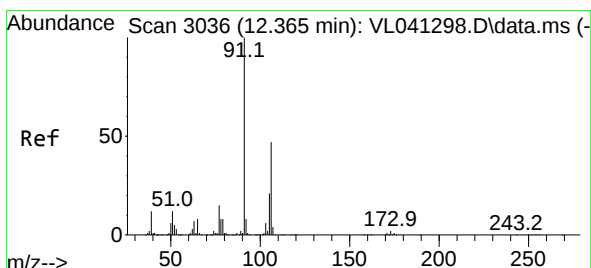
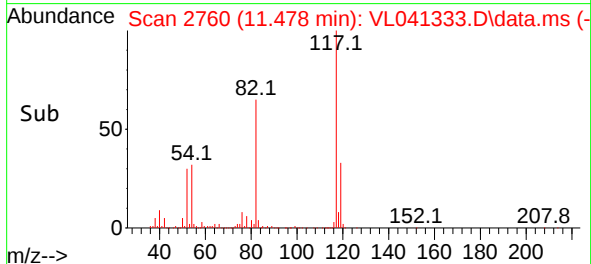
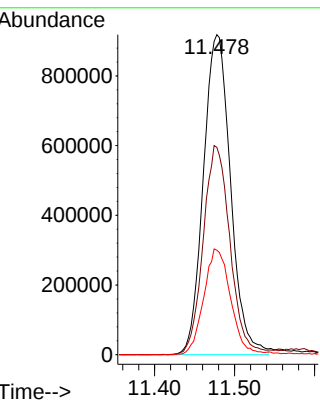
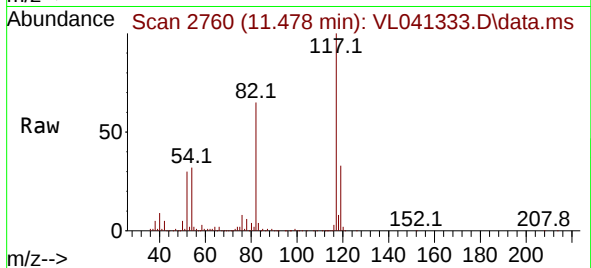
119 33.0 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2024

Supervised By :Mahesh Dadoda 06/06/2024



#59

m/p-Xylene

Concen: 0.282 ppbv m

RT: 12.355 min Scan# 3033

Delta R.T. -0.010 min

Lab File: VL041333.D

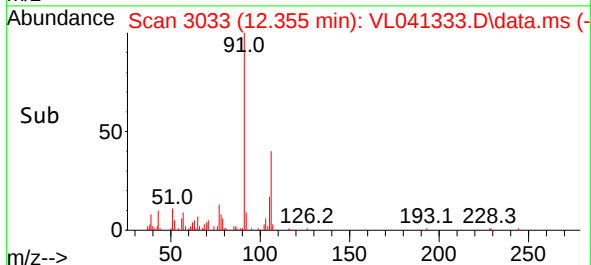
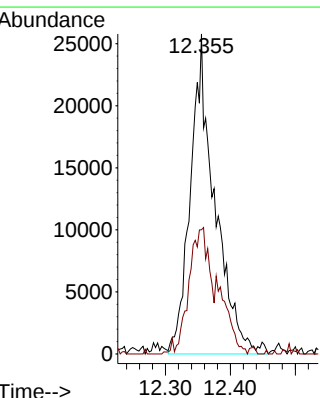
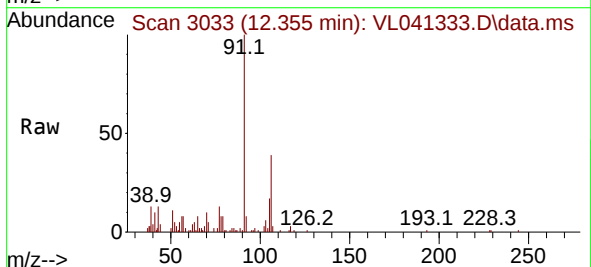
Acq: 5 Jun 2024 18:53

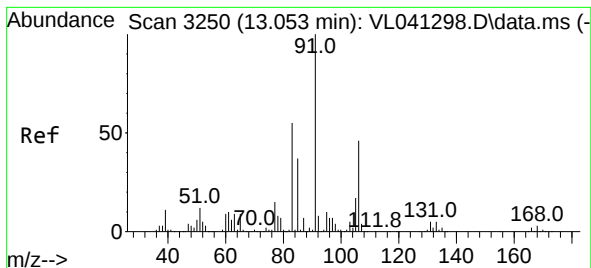
Tgt Ion: 91 Resp: 66977

Ion Ratio Lower Upper

91 100

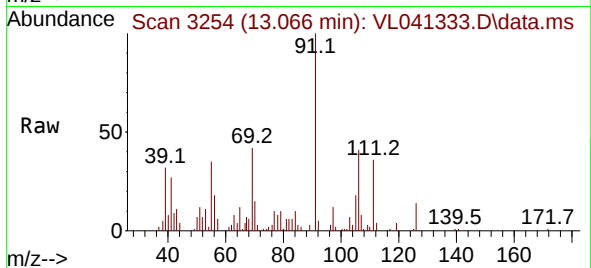
106 0.0 35.7 53.5#





#60
o-Xylene
Concen: 0.198 ppbv m
RT: 13.066 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

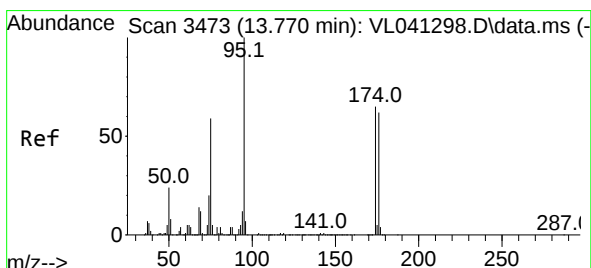
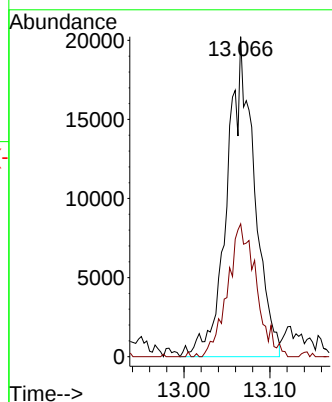
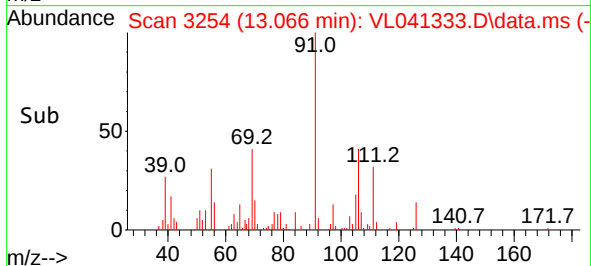
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 4475
Ion Ratio Lower Upper
91 100
106 0.0 22.8 68.4

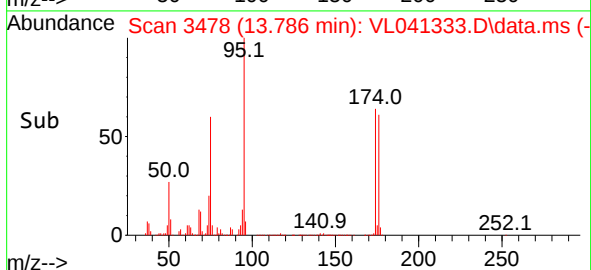
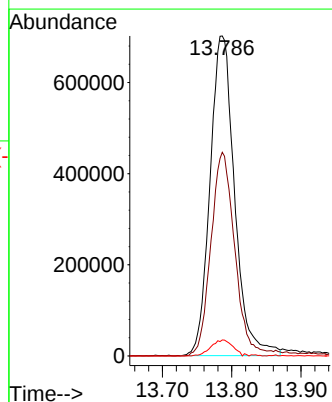
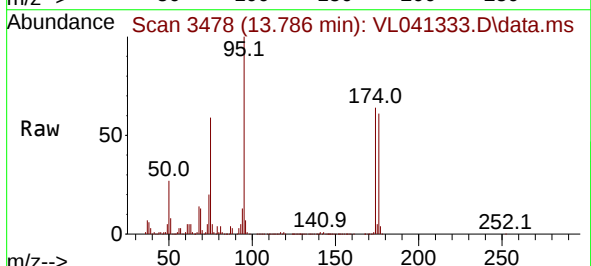
Manual Integrations
APPROVED

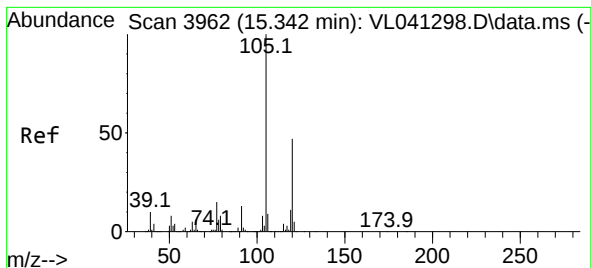
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.352 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.016 min
Lab File: VL041333.D
Acq: 5 Jun 2024 18:53

Tgt Ion: 95 Resp: 1729217
Ion Ratio Lower Upper
95 100
174 64.3 52.2 78.2
175 4.7 4.1 6.1





#73

1,3,5-Trimethylbenzene

Concen: 0.167 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.013 min

Lab File: VL041333.D

Acq: 5 Jun 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

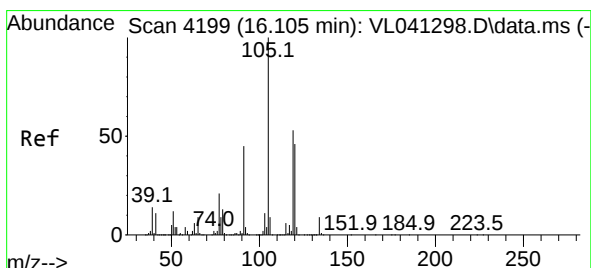
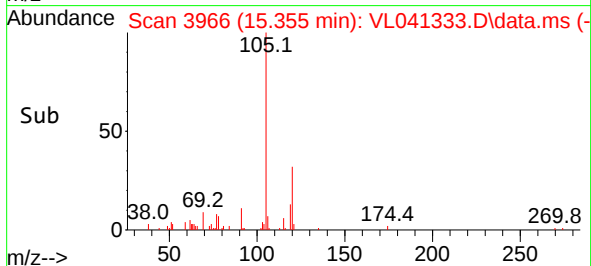
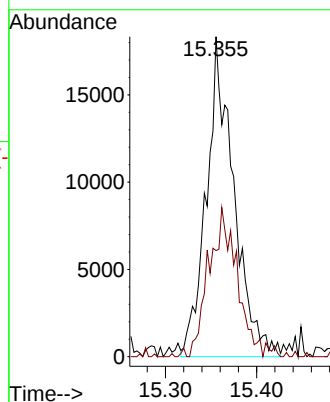
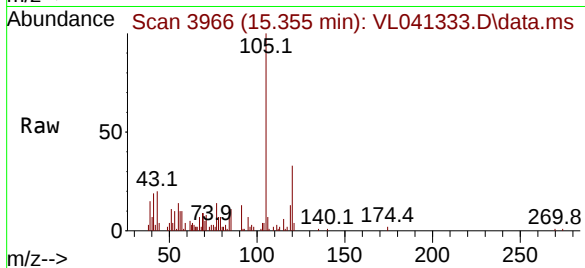
SV1

Tgt Ion:105 Resp: 38310
 Ion Ratio Lower Upper
 105 100
 120 33.2 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2024
 Supervised By :Mahesh Dadoda 06/06/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.541 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.013 min

Lab File: VL041333.D

Acq: 5 Jun 2024 18:53

Tgt Ion:105 Resp: 140255
 Ion Ratio Lower Upper
 105 100
 120 45.6 37.0 55.6
 91 11.9 36.2 54.4#
 77 11.5 16.6 24.8#

