

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041610.D
 Acq On : 18 Sep 2024 17:06
 Operator : SY/MD
 Sample : P4028-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 01:35:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1122892	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.648	114	3041176	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.458	117	2715672	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2082607	10.418	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.200%
Target Compounds						
					Qvalue	
9) Propene	2.700	41	17047m	0.297	ppbv	
13) Ethanol	3.256	45	17352m	4.018	ppbv	
15) Acetone	3.481	43	300874	2.134	ppbv	97
19) Isopropyl Alcohol	3.594	45	62866	0.871	ppbv #	83
20) Methylene Chloride	3.935	84	98176	1.854	ppbv	98
26) Hexane	5.211	57	97892	0.928	ppbv #	34
27) Carbon Disulfide	4.134	76	14666m	0.131	ppbv	
29) Chloroform	5.269	83	35021	0.203	ppbv	90
34) 2-Butanone	4.803	43	108459	0.748	ppbv	96
51) 2-Hexanone	9.558	43	33222m	0.196	ppbv	
52) Tetrachloroethene	10.606	164	7639m	0.100	ppbv	
53) Toluene	9.214	91	73912	0.330	ppbv	97
59) m/p-Xylene	12.339	91	41783m	0.161	ppbv	
60) o-Xylene	13.050	91	27703m	0.112	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	76722m	0.256	ppbv	

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

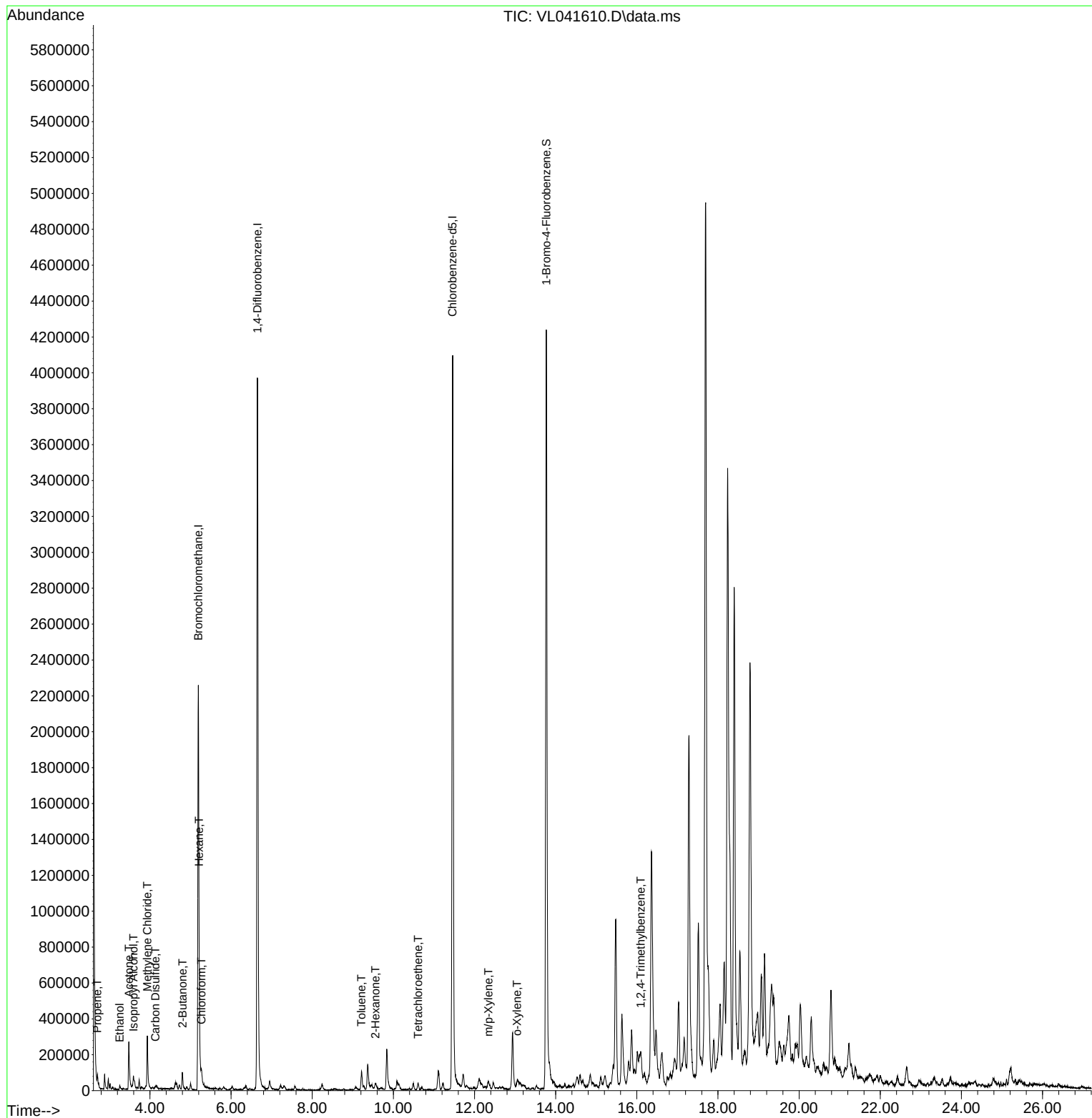
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
Data File : VL041610.D
Acq On : 18 Sep 2024 17:06
Operator : SY/MD
Sample : P4028-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

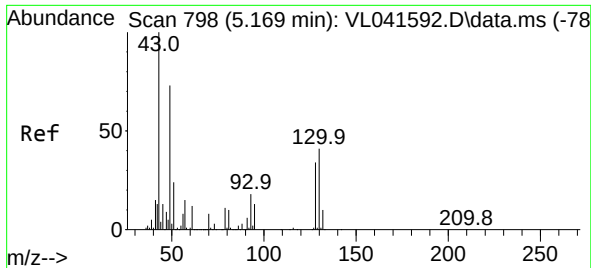
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Sep 19 01:35:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration

Manual Integrations
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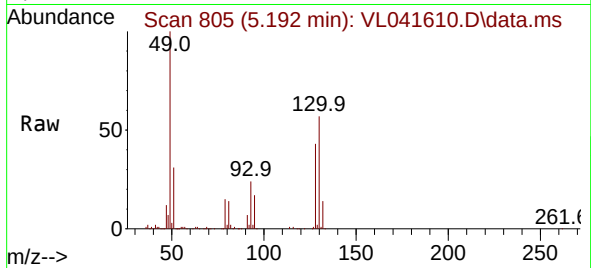
Reviewed By : Semsettin Yesilyurt 09/19/2024
Supervised By : Mahesh Dadoda 09/19/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.023 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

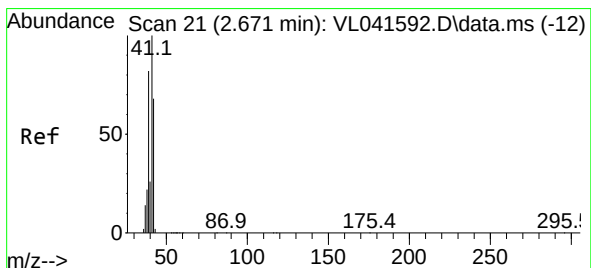
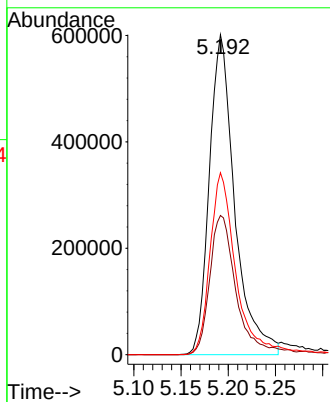
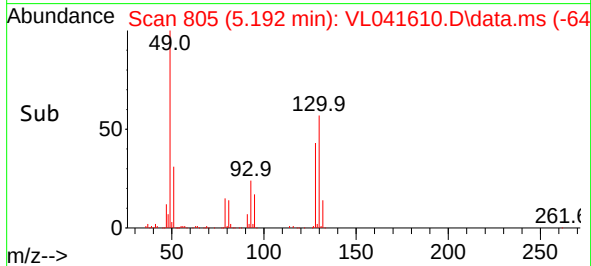
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 112289
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.5
130 59.0 30.4 91.3

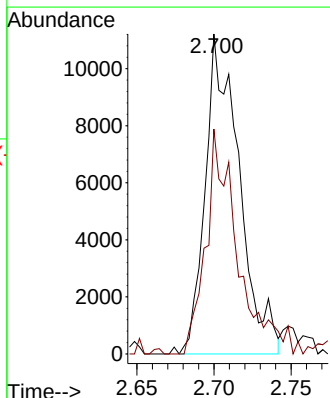
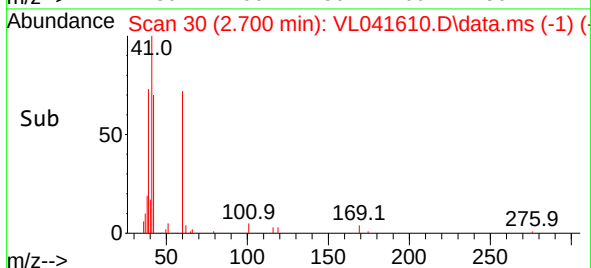
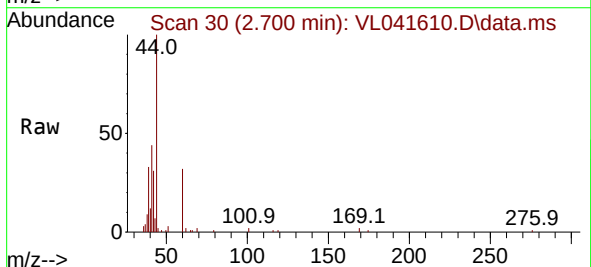
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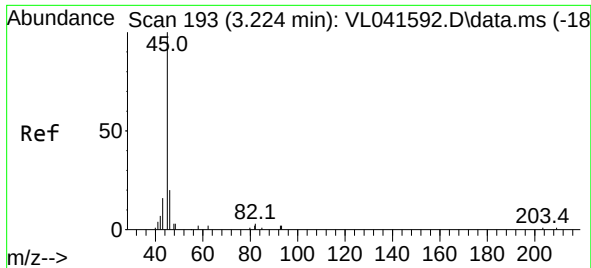
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#9
Propene
Concen: 0.297 ppbv m
RT: 2.700 min Scan# 30
Delta R.T. 0.029 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

Tgt Ion: 41 Resp: 17047
Ion Ratio Lower Upper
41 100
42 68.5 55.2 82.8





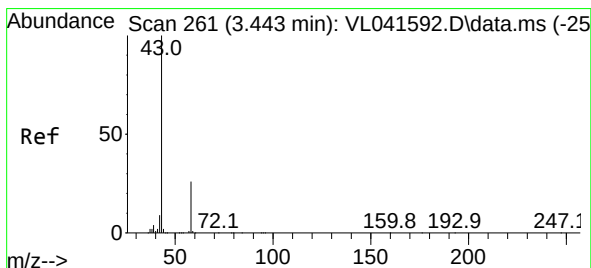
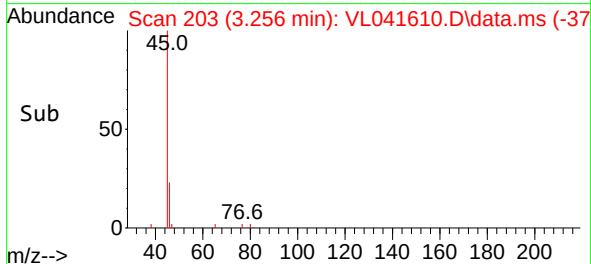
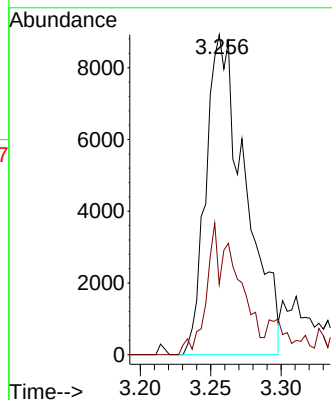
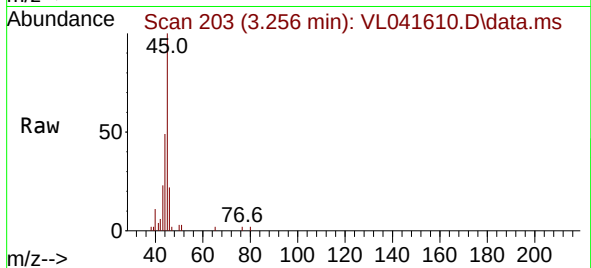
#13
Ethanol
Concen: 4.018 ppbv m
RT: 3.256 min Scan# 203
Delta R.T. 0.032 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 45 Resp: 17352
Ion Ratio Lower Upper
45 100
46 42.3 15.2 60.8

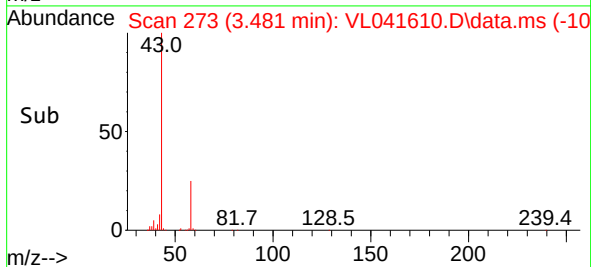
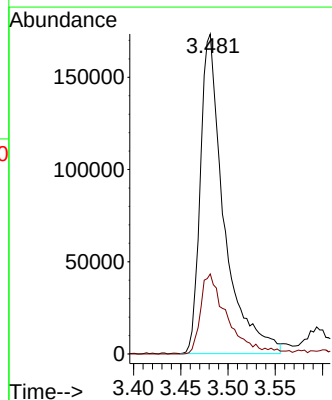
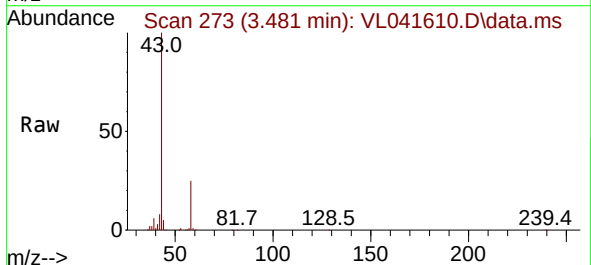
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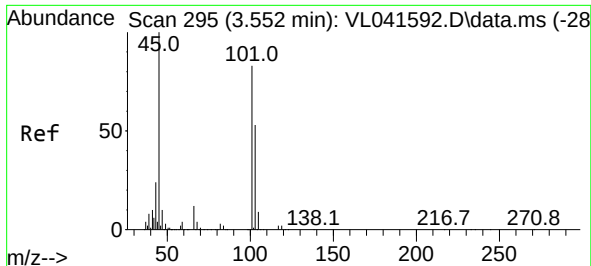
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#15
Acetone
Concen: 2.134 ppbv
RT: 3.481 min Scan# 273
Delta R.T. 0.039 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

Tgt Ion: 43 Resp: 300874
Ion Ratio Lower Upper
43 100
58 28.7 21.5 32.3





#19

Isopropyl Alcohol

Concen: 0.871 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.042 min

Lab File: VL041610.D

Acq: 18 Sep 2024 17:06

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 45 Resp: 62860

Ion Ratio Lower Upper

45 100

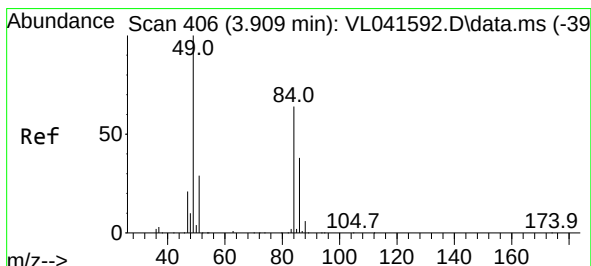
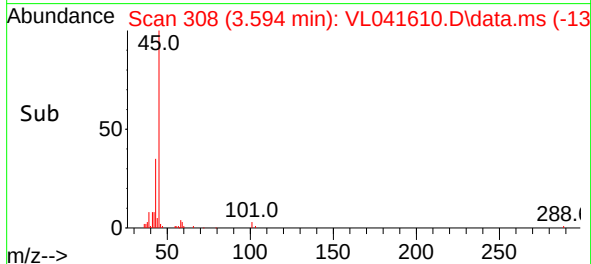
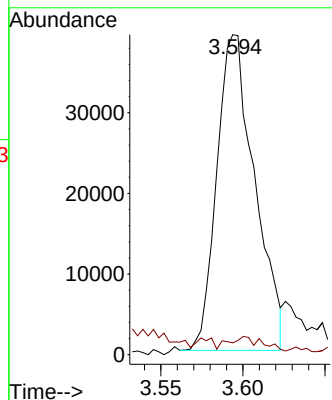
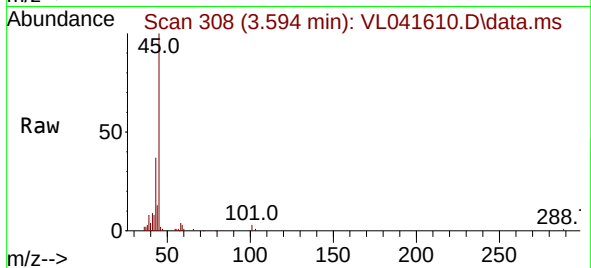
58 8.5 2.1 3.1

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Supervised By :Mahesh Dadoda 09/19/2024



#20

Methylene Chloride

Concen: 1.854 ppbv

RT: 3.935 min Scan# 414

Delta R.T. 0.026 min

Lab File: VL041610.D

Acq: 18 Sep 2024 17:06

Tgt Ion: 84 Resp: 98176

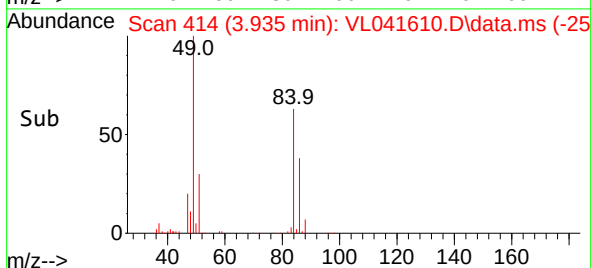
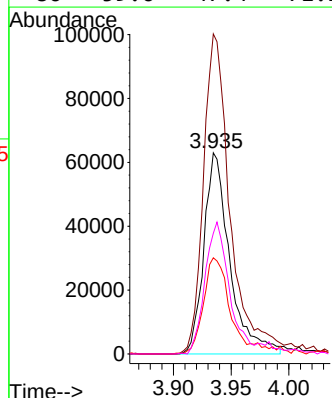
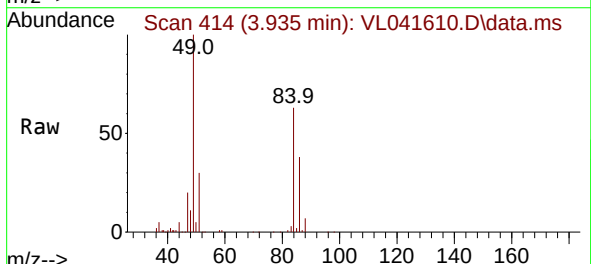
Ion Ratio Lower Upper

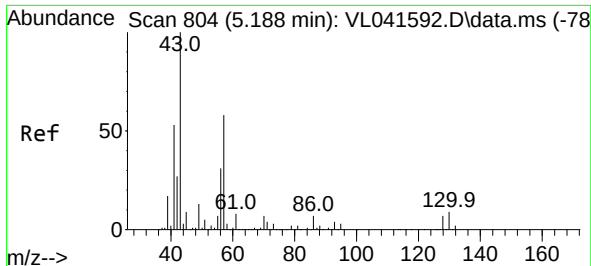
84 100

49 158.7 124.3 186.5

51 47.4 36.3 54.5

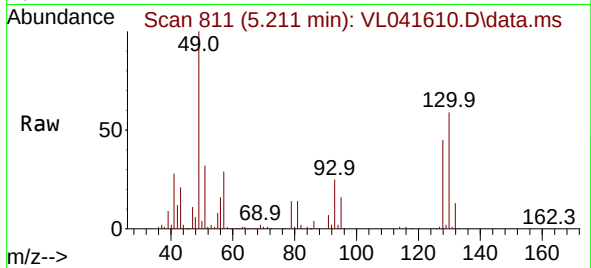
86 59.6 47.4 71.2





#26
Hexane
Concen: 0.928 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.023 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

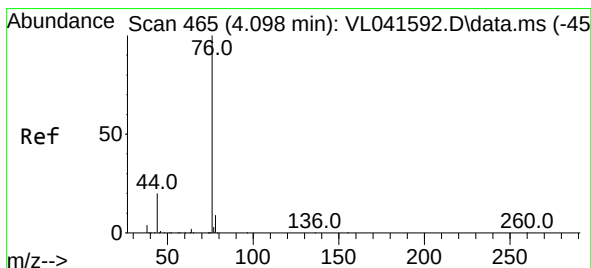
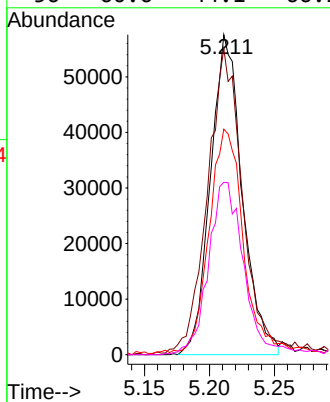
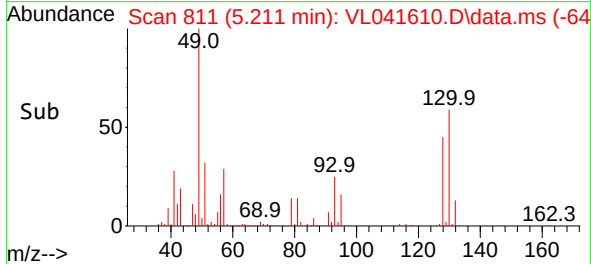
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 57 Resp: 97892
Ion Ratio Lower Upper
57 100
41 110.0 75.7 113.5
43 78.6 198.5 297.7
56 60.6 44.1 66.1

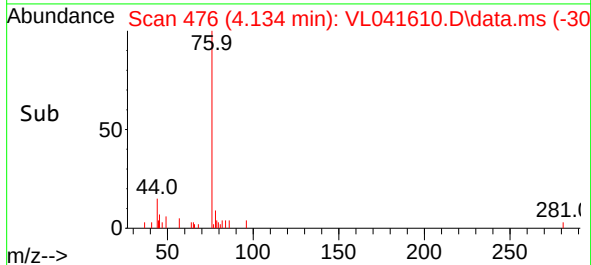
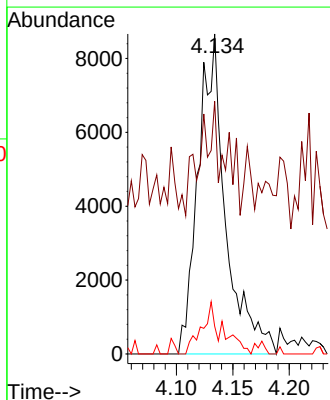
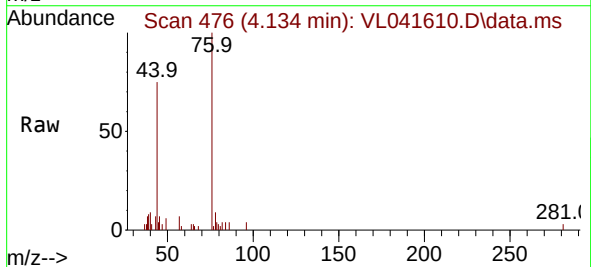
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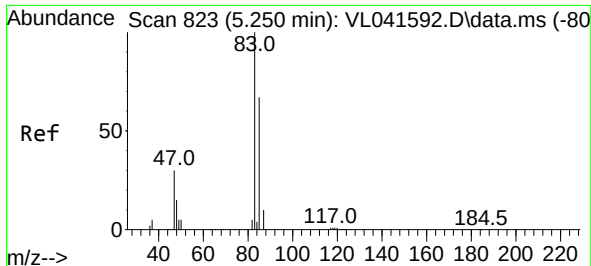
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#27
Carbon Disulfide
Concen: 0.131 ppbv m
RT: 4.134 min Scan# 476
Delta R.T. 0.035 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

Tgt Ion: 76 Resp: 14666
Ion Ratio Lower Upper
76 100
44 9.8 15.8 23.8#
78 3.8 7.5 11.3#





#29

Chloroform

Concen: 0.203 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL041610.D

Acq: 18 Sep 2024 17:06

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 83 Resp: 3502

Ion Ratio Lower Upper

83 100

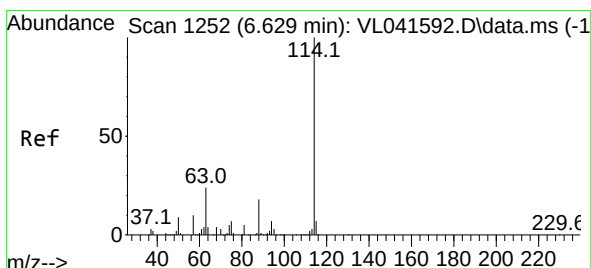
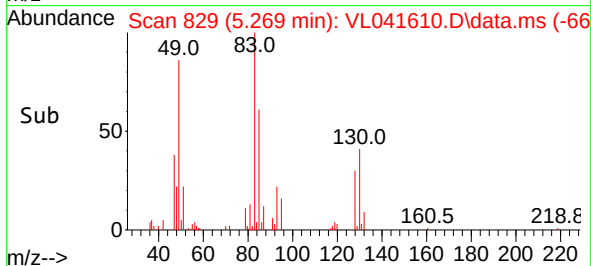
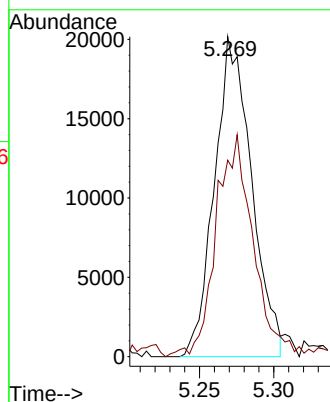
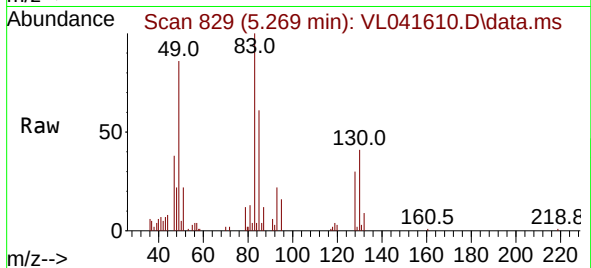
85 59.2 53.8 80.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2024

Supervised By :Mahesh Dadoda 09/19/2024



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. 0.019 min

Lab File: VL041610.D

Acq: 18 Sep 2024 17:06

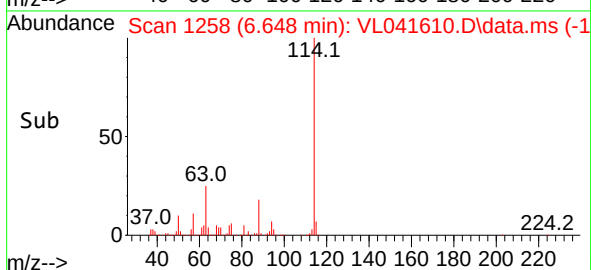
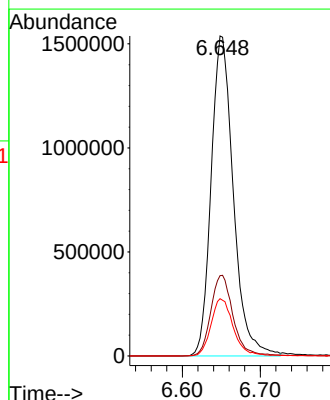
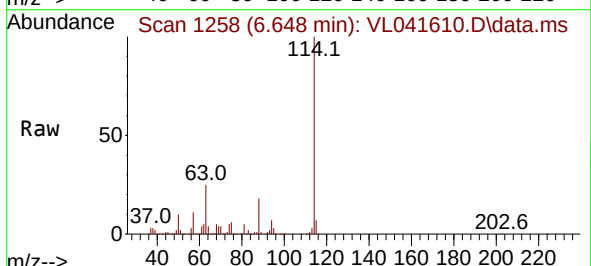
Tgt Ion:114 Resp: 3041176

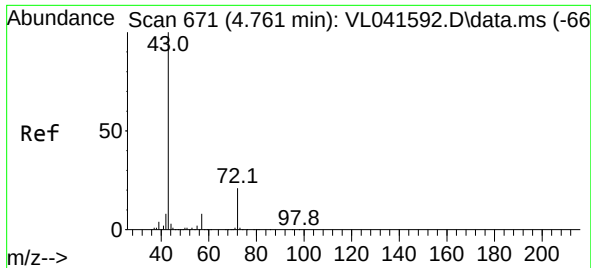
Ion Ratio Lower Upper

114 100

63 25.5 20.2 30.2

88 18.1 14.2 21.4





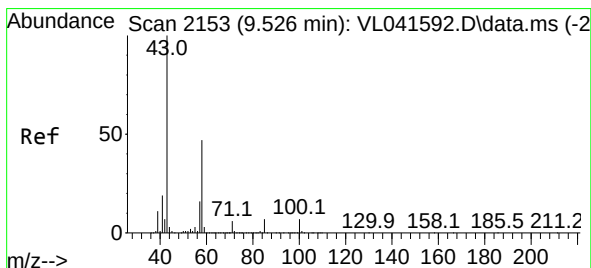
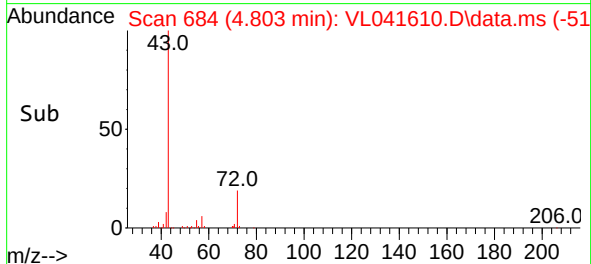
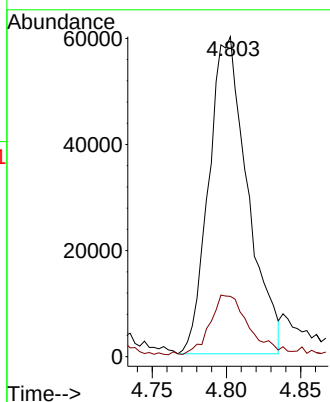
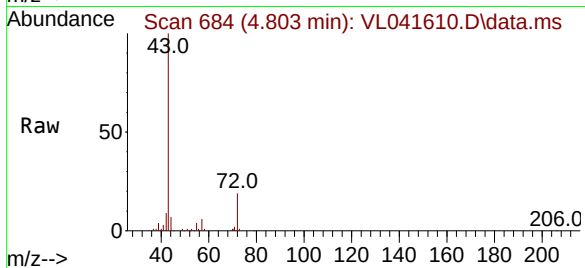
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2-Butanone
Concen: 0.748 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.042 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 10845
Ion Ratio Lower Upper
43 100
72 22.6 16.8 25.2

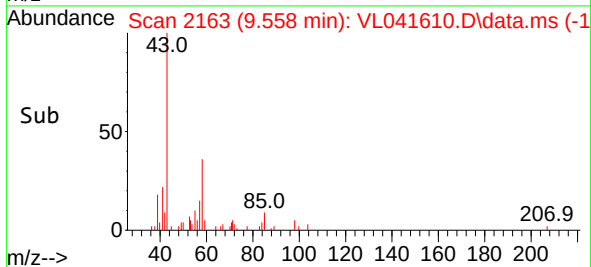
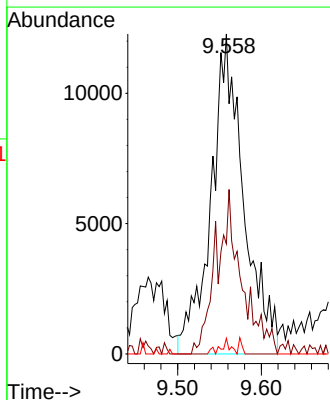
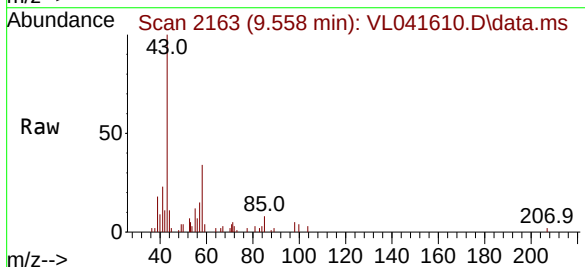
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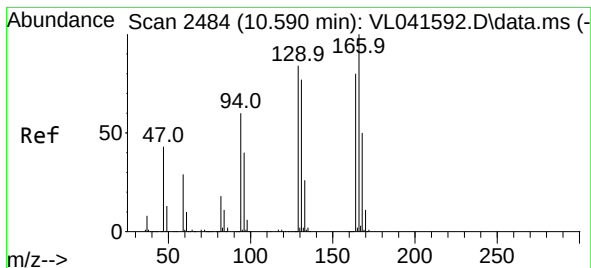
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#51
2-Hexanone
Concen: 0.196 ppbv m
RT: 9.558 min Scan# 2163
Delta R.T. 0.032 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

Tgt Ion: 43 Resp: 33222
Ion Ratio Lower Upper
43 100
58 42.3 37.2 55.8
98 0.0 0.5 0.7#





#52

Tetrachloroethene

Concen: 0.100 ppbv m

RT: 10.606 min Scan# 2489

Delta R.T. 0.016 min

Lab File: VL041610.D

Acq: 18 Sep 2024 17:06

Instrument :

MSVOA_L

ClientSampleId :

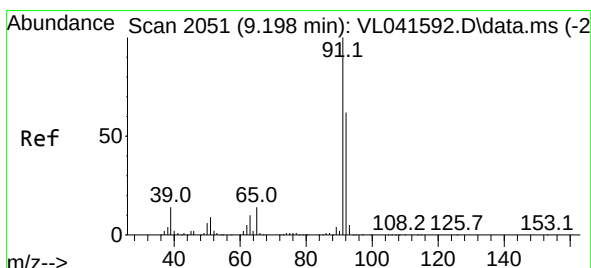
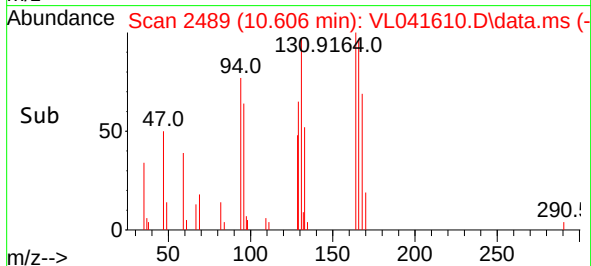
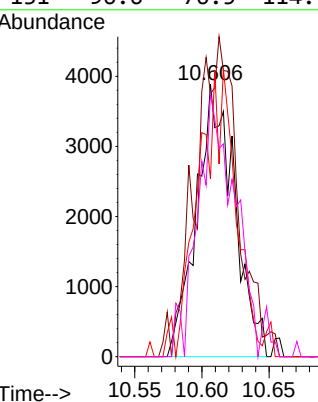
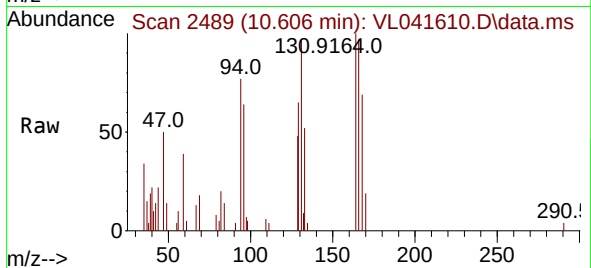
SV2

Tgt Ion:164	Resp:	7639
Ion Ratio	Lower	Upper
164	100	
166	96.7	99.4 149.2
129	65.3	83.5 125.3
131	96.6	76.5 114.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#53

Toluene

Concen: 0.330 ppbv

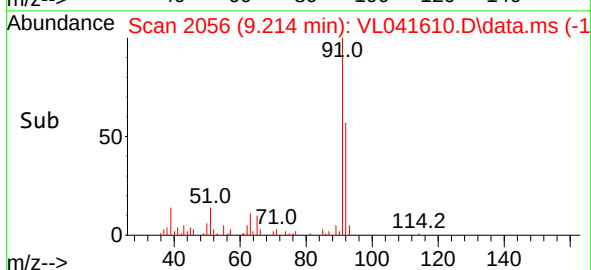
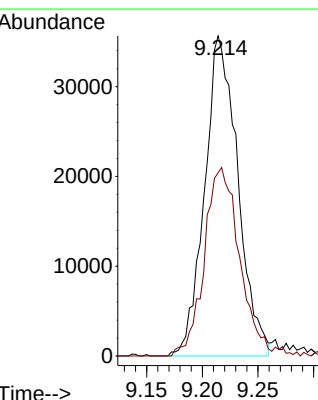
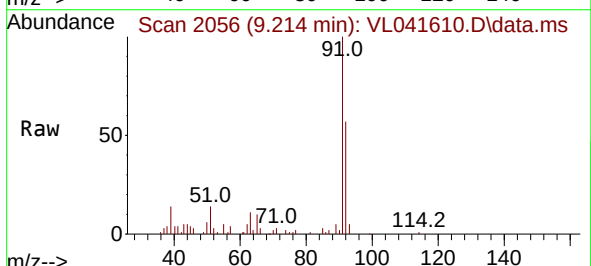
RT: 9.214 min Scan# 2056

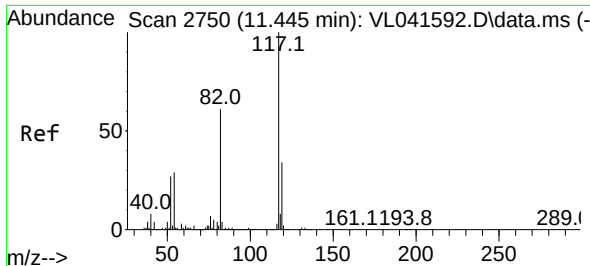
Delta R.T. 0.016 min

Lab File: VL041610.D

Acq: 18 Sep 2024 17:06

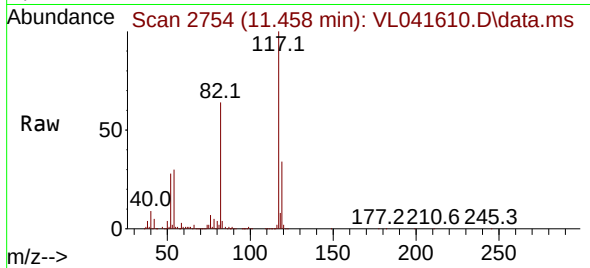
Tgt Ion: 91	Resp:	73912
Ion Ratio	Lower	Upper
91	100	
92	63.4	48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

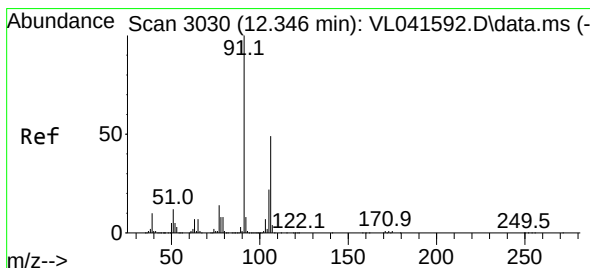
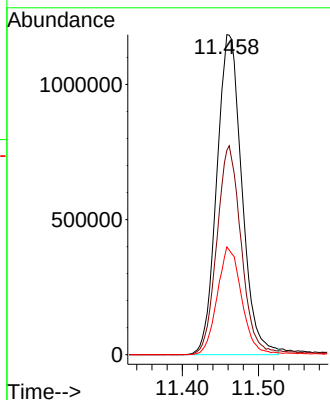
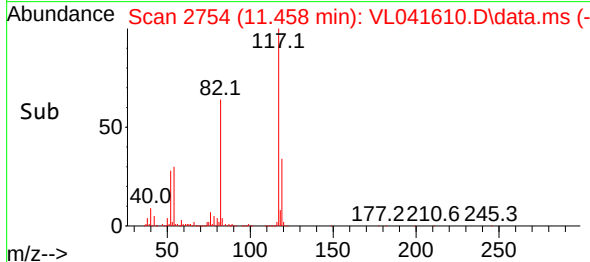
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 117 Resp: 271567
Ion Ratio Lower Upper
117 100
82 65.2 49.4 74.2
119 33.5 24.4 36.6

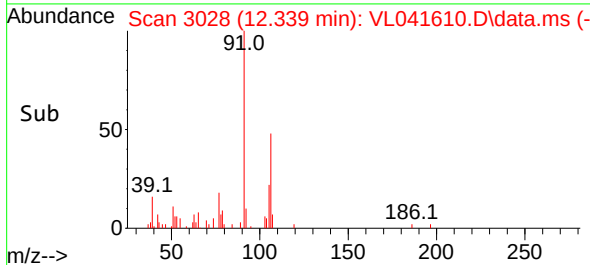
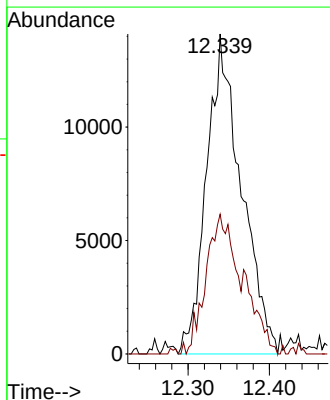
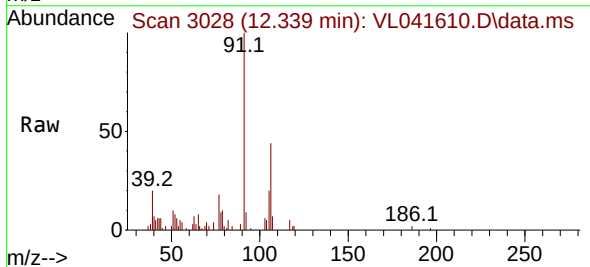
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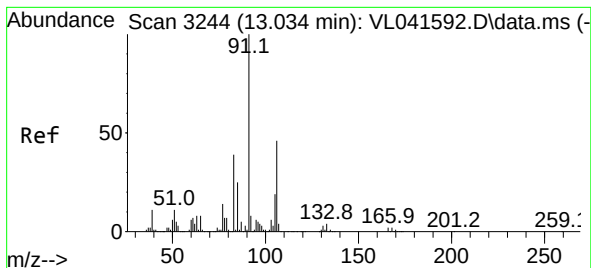
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#59
m/p-Xylene
Concen: 0.161 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.006 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

Tgt Ion: 91 Resp: 41783
Ion Ratio Lower Upper
91 100
106 46.5 36.8 55.2





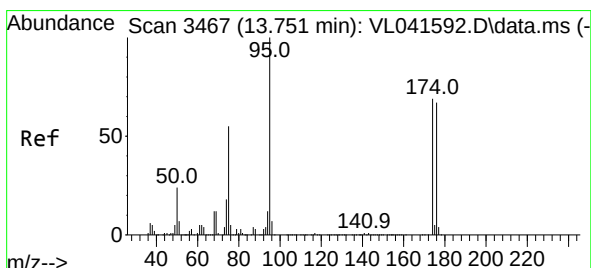
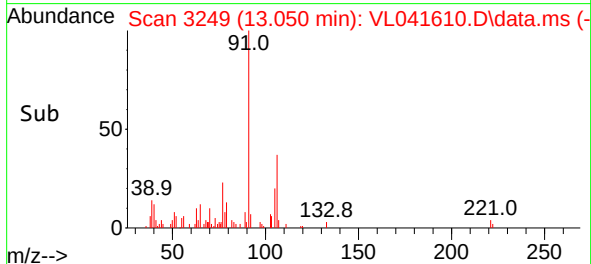
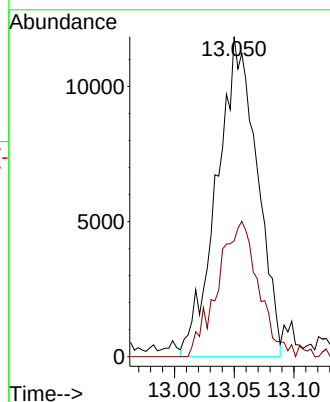
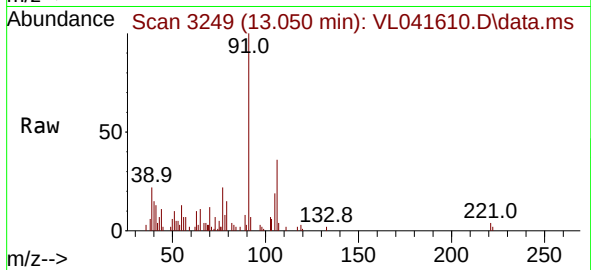
#60
o-Xylene
Concen: 0.112 ppbv m
RT: 13.050 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 2770
Ion Ratio Lower Upper
91 100
106 0.0 23.1 69.3

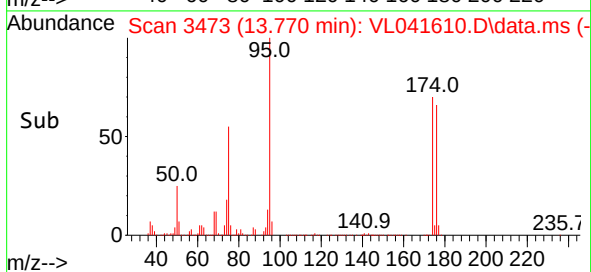
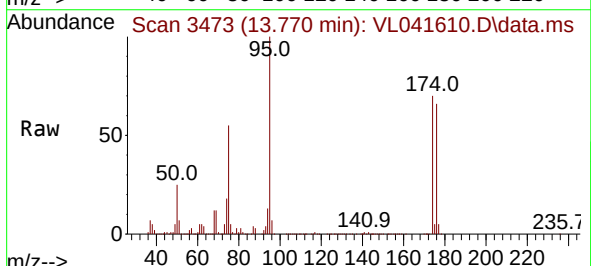
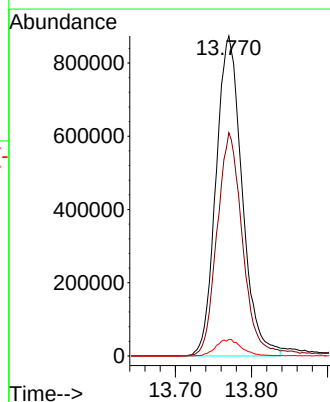
Manual Integrations
APPROVED

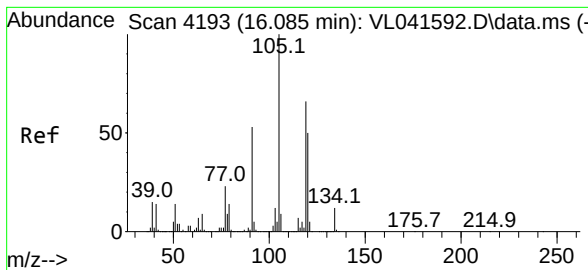
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.418 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.019 min
Lab File: VL041610.D
Acq: 18 Sep 2024 17:06

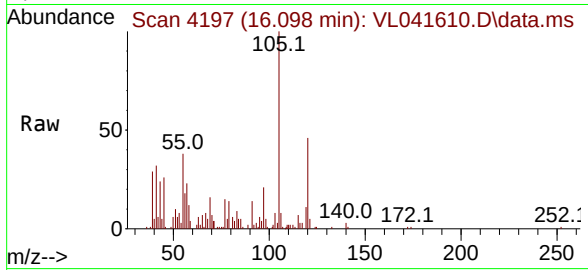
Tgt Ion: 95 Resp: 2082607
Ion Ratio Lower Upper
95 100
174 70.4 55.8 83.8
175 5.2 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.256 ppbv m
 RT: 16.098 min Scan# 4197
 Delta R.T. 0.013 min
 Lab File: VL041610.D
 Acq: 18 Sep 2024 17:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion:	105	Resp:	7672
Ion Ratio	Lower	Upper	
105	100		
120	45.6	39.9	59.9
91	14.1	42.6	63.8
77	15.1	18.2	27.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024

