

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112723\
 Data File : VL040910.D
 Acq On : 27 Nov 2023 16:39
 Operator : SY/MD
 Sample : 05520-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

Quant Time: Nov 28 04:39:29 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Tue Nov 28 04:31:59 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/28/2023
1) Bromochloromethane	5.224	49	1189003	10.000	ppbv	0.00	Supervised By : Mahesh adoda
33) 1,4-Difluorobenzene	6.677	114	2945783	10.000	ppbv	0.00	
55) Chlorobenzene-d5	11.484	117	2523005	10.000	ppbv	0.00	
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.790	95	1957745	9.911	ppbv	0.00	11/28/2023
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%	
Target Compounds							Qvalue
9) Propene	2.742	41	336320	5.257	ppbv	92	
10) Heptane	7.600	43	33830m	0.215	ppbv		
13) Ethanol	3.285	45	163761m	13.182	ppbv		
15) Acetone	3.510	43	892604	7.049	ppbv	90	
17) tert-Butyl alcohol	3.931	59	55195	0.510	ppbv	96	
19) Isopropyl Alcohol	3.629	45	35340m	0.464	ppbv		
20) Methylene Chloride	3.973	84	306766	5.870	ppbv	96	
26) Hexane	5.243	57	205178	1.768	ppbv #	52	
27) Carbon Disulfide	4.160	76	31374m	0.213	ppbv		
34) 2-Butanone	4.819	43	1293122	8.617	ppbv	100	
36) Benzene	6.398	78	39808	0.167	ppbv	99	
41) Tetrahydrofuran	5.610	42	19058m	0.206	ppbv		
44) 2,2,4-Trimethylpentane	7.349	57	418044	1.053	ppbv	90	
50) 4-Methyl-2-Pentanone	8.217	43	61696m	0.266	ppbv		
51) 2-Hexanone	9.574	43	206025m	1.258	ppbv		
52) Tetrachloroethene	10.639	164	4492m	0.056	ppbv		
53) Toluene	9.237	91	466944	1.775	ppbv	99	
58) Ethyl Benzene	12.105	91	241166	0.733	ppbv	97	
59) m/p-Xylene	12.359	91	744333	2.655	ppbv	98	
60) o-Xylene	13.069	91	279615	1.048	ppbv	100	
62) Isopropylbenzene	14.040	105	134764	0.342	ppbv	97	
64) n-propylbenzene	14.925	120	22786m	0.231	ppbv		
72) 4-Ethyltoluene	15.204	105	111825m	0.381	ppbv		
73) 1,3,5-Trimethylbenzene	15.365	105	73759	0.284	ppbv	97	
74) 1,2,4-Trimethylbenzene	16.121	105	202813	0.700	ppbv #	63	

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

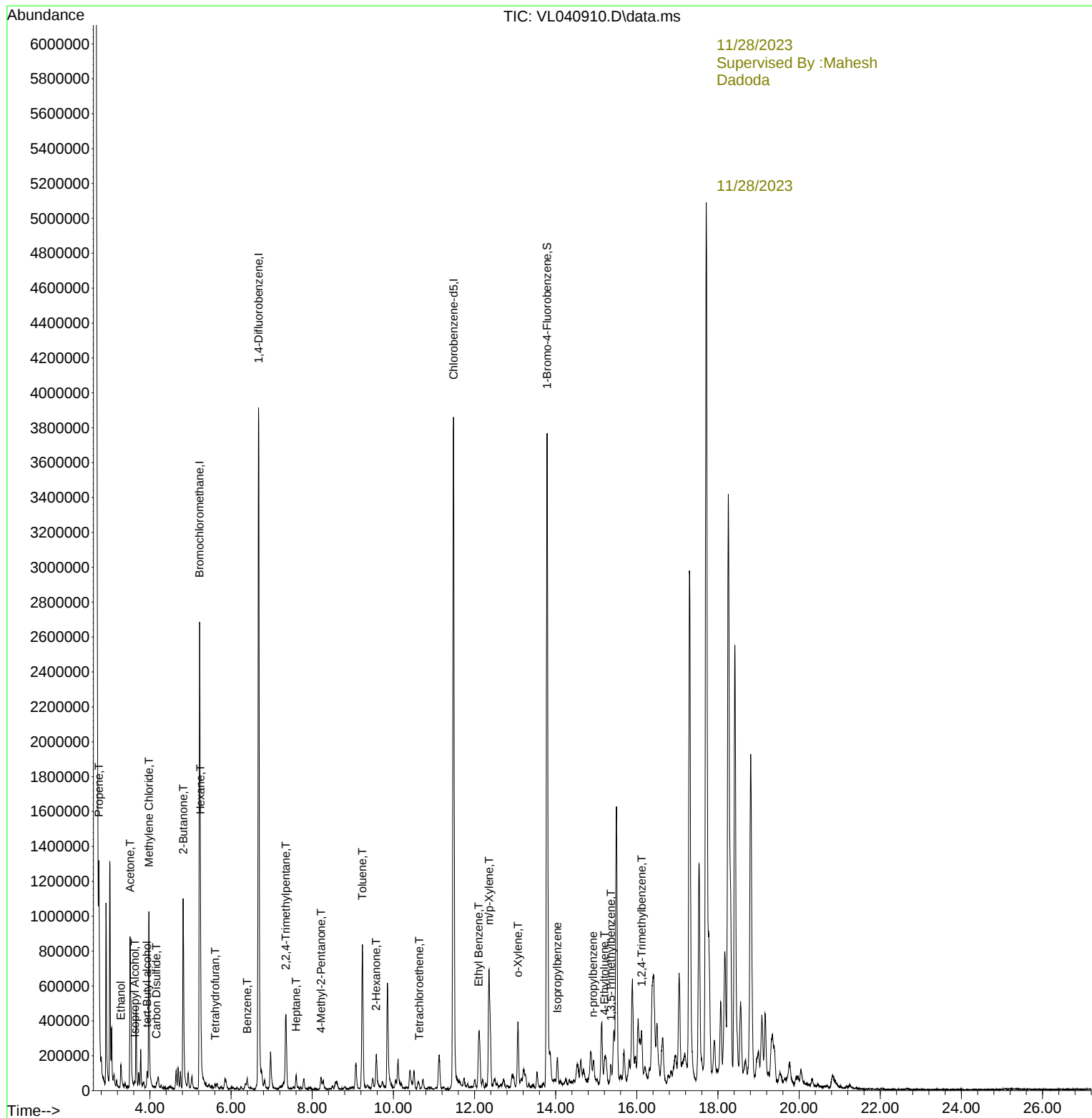
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112723\
Data File : VL040910.D
Acq On : 27 Nov 2023 16:39
Operator : SY/MD
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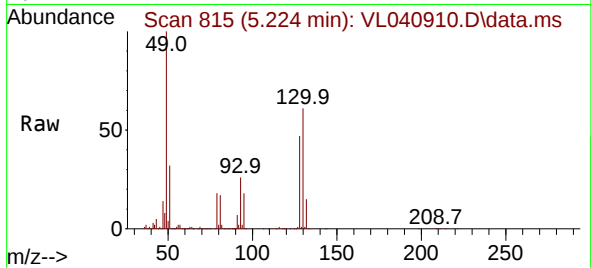
Quant Time: Nov 28 04:39:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Nov 28 04:31:59 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.224 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

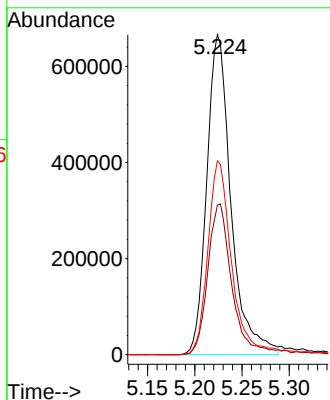
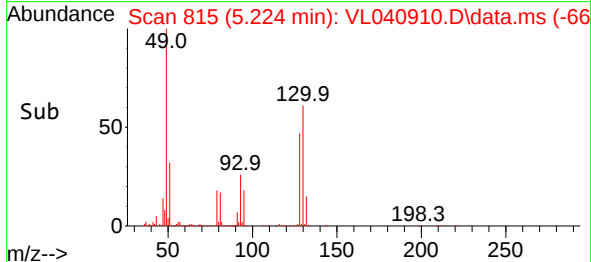
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 118900
Ion Ratio Lower Upper
49 100
128 48.6 23.8 71.2
130 61.7 30.9 92.8

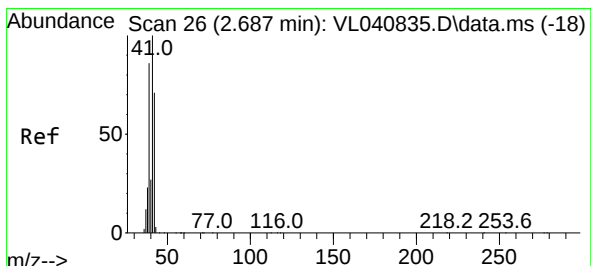
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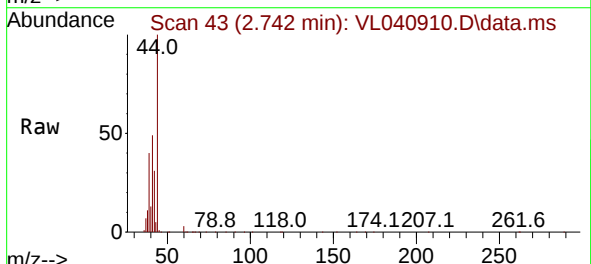


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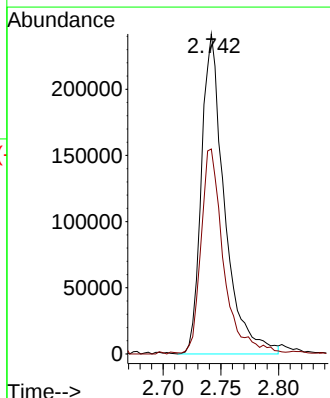
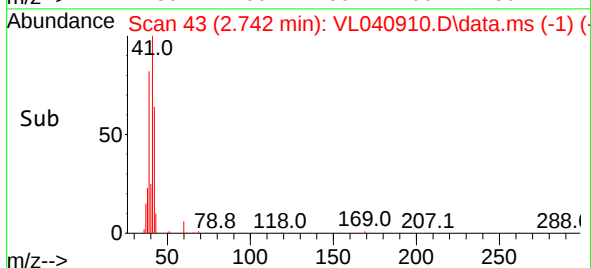
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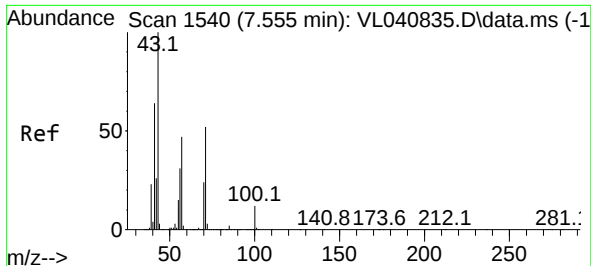


#9
Propene
Concen: 5.257 ppbv
RT: 2.742 min Scan# 43
Delta R.T. -0.006 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39



Tgt Ion: 41 Resp: 336320
Ion Ratio Lower Upper
41 100
42 64.2 56.5 84.7





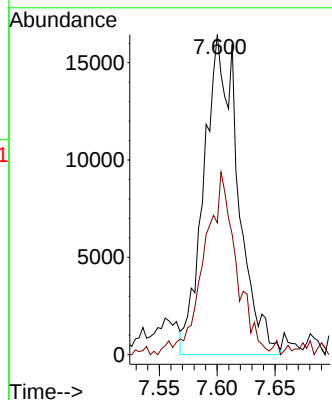
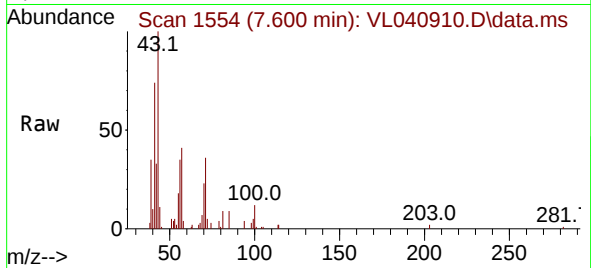
#10
Heptane
Concen: 0.215 ppbv m
RT: 7.600 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 33830
Ion Ratio Lower Upper
43 100
57 51.1 39.4 59.0

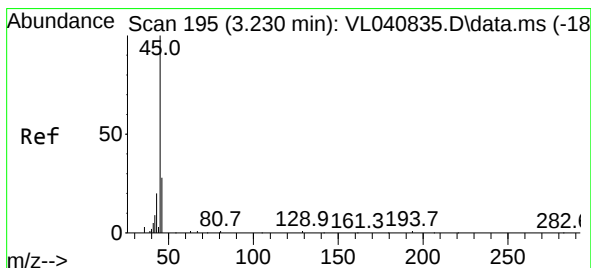
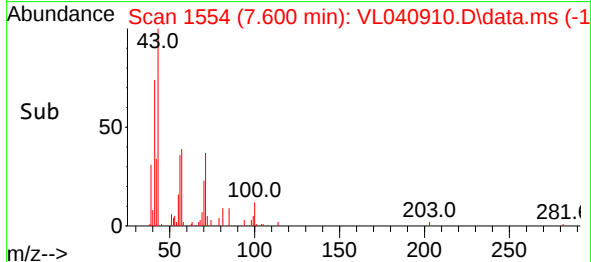
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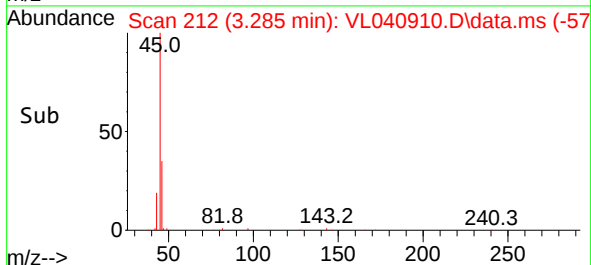
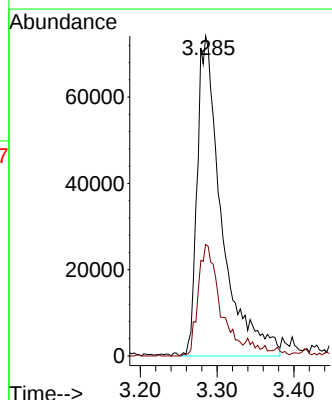
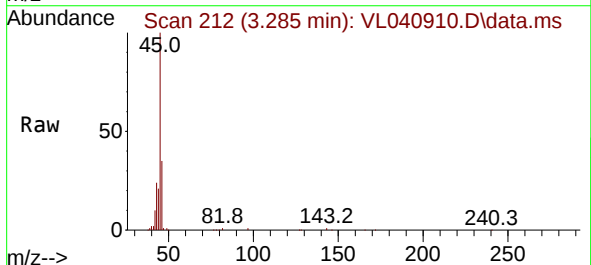
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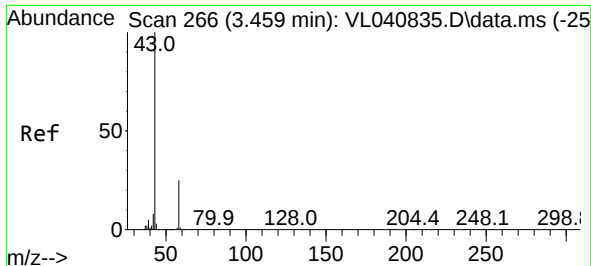
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#13
Ethanol
Concen: 13.182 ppbv m
RT: 3.285 min Scan# 212
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

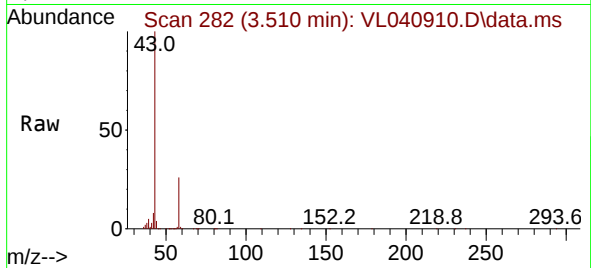
Tgt Ion: 45 Resp: 163761
Ion Ratio Lower Upper
45 100
46 35.0 0.0 0.0#





#15
Acetone
Concen: 7.049 ppbv
RT: 3.510 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

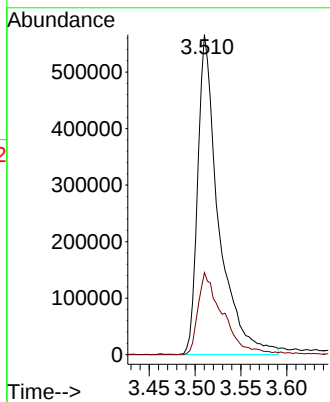
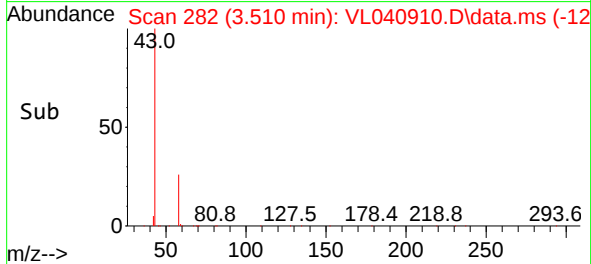
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 892604
Ion Ratio Lower Upper
43 100
58 31.3 20.9 31.3

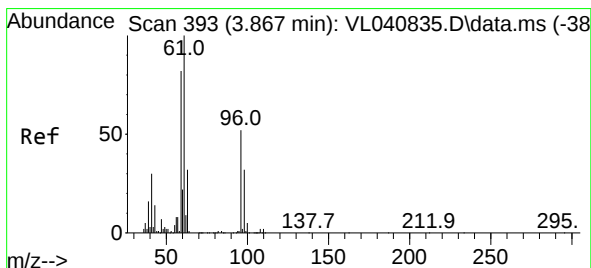
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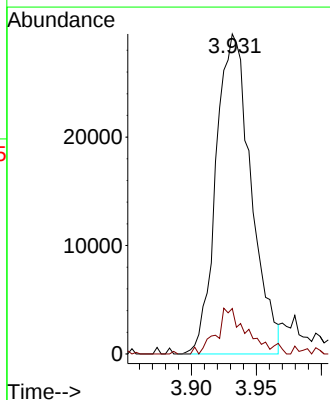
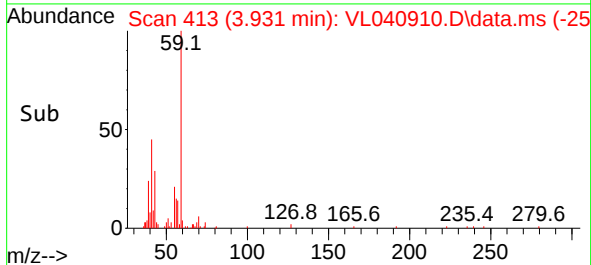
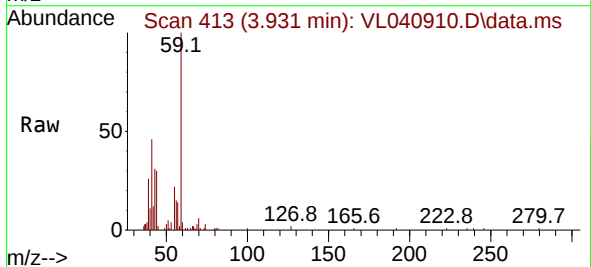
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Dadoda

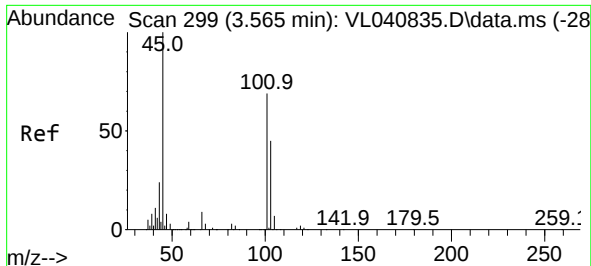
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#17
tert-Butyl alcohol
Concen: 0.510 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

Tgt Ion: 59 Resp: 55195
Ion Ratio Lower Upper
59 100
57 12.8 9.0 13.4





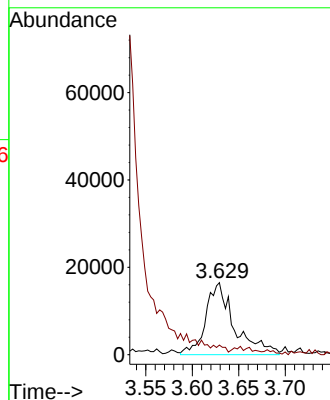
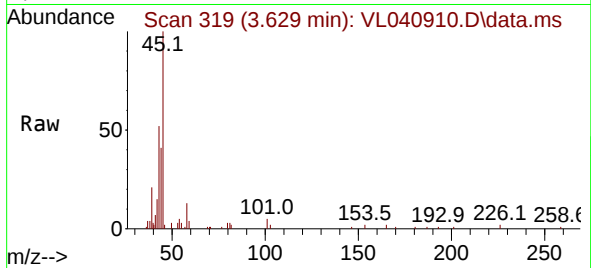
#19
Isopropyl Alcohol
Concen: 0.464 ppbv m
RT: 3.629 min Scan# 319
Delta R.T. 0.010 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 45 Resp: 35340
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4

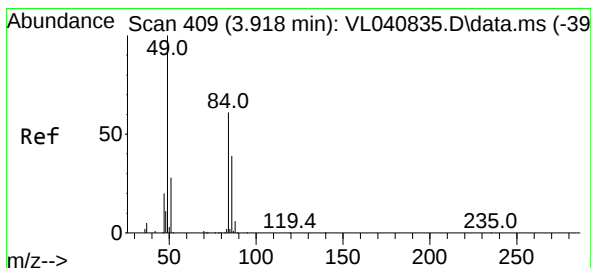
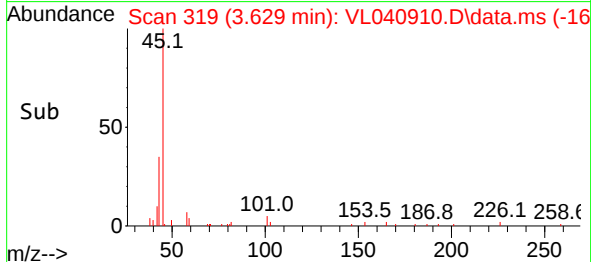
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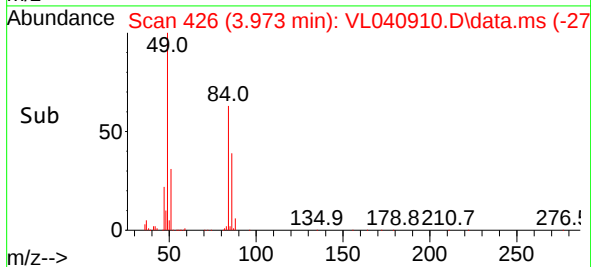
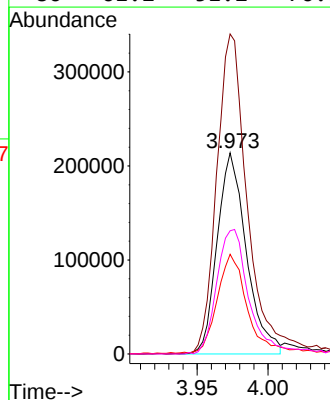
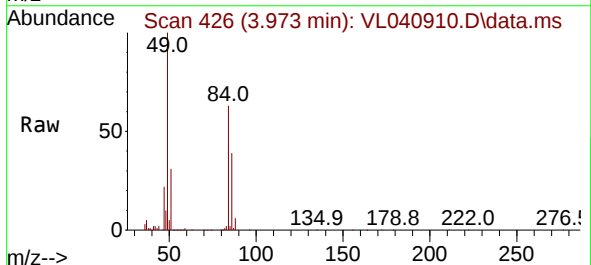
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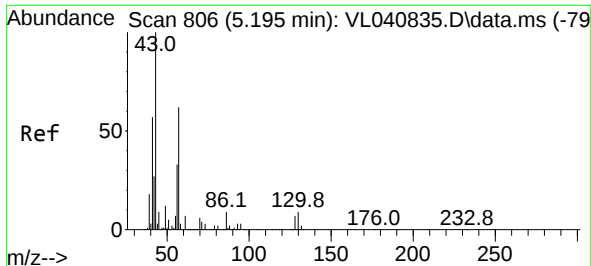
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#20
Methylene Chloride
Concen: 5.870 ppbv
RT: 3.973 min Scan# 426
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

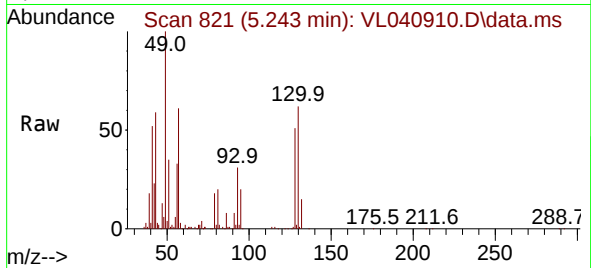
Tgt Ion: 84 Resp: 306766
Ion Ratio Lower Upper
84 100
49 158.9 131.0 196.4
51 49.0 36.9 55.3
86 61.2 51.2 76.8





#26
Hexane
Concen: 1.768 ppbv
RT: 5.243 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

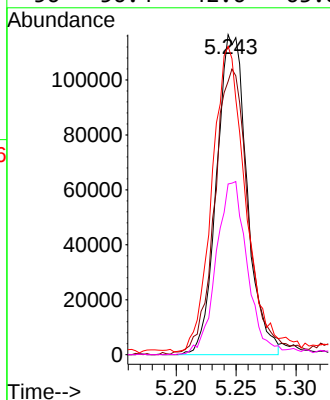
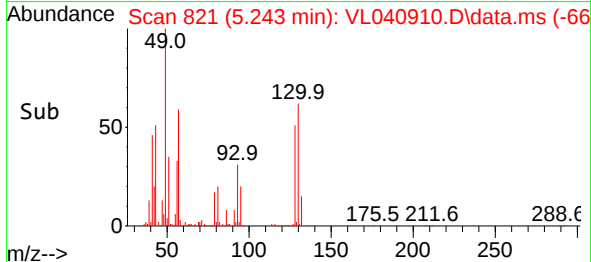
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 205178
Ion Ratio Lower Upper
57 100
41 99.9 75.4 113.0
43 108.8 185.9 278.9
56 56.4 42.6 63.8

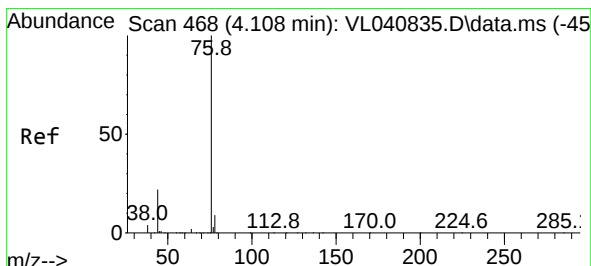
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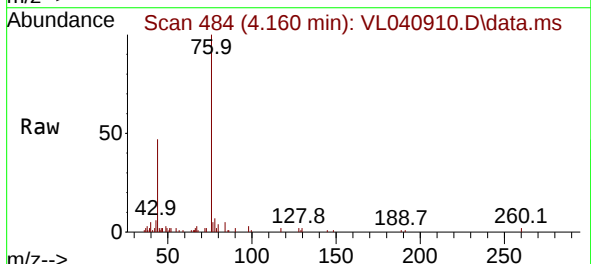


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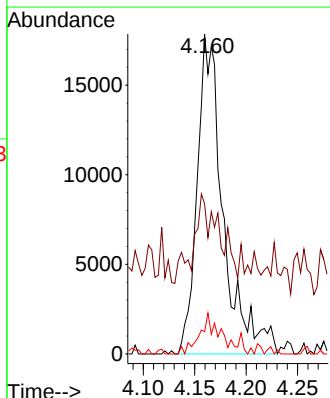
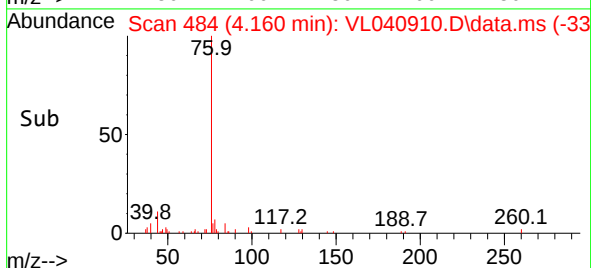
11/28/2023

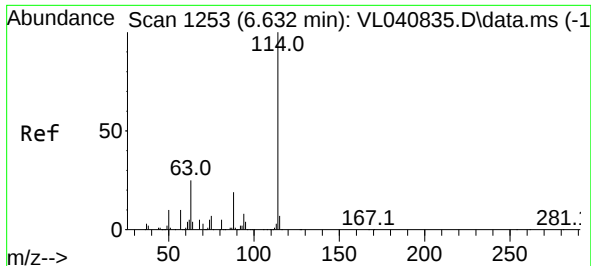


#27
Carbon Disulfide
Concen: 0.213 ppbv m
RT: 4.160 min Scan# 484
Delta R.T. -0.006 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39



Tgt Ion: 76 Resp: 31374
Ion Ratio Lower Upper
76 100
44 0.0 16.7 25.1#
78 12.4 7.6 11.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.677 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040910.D

Acq: 27 Nov 2023 16:39

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:114 Resp: 294578

Ion Ratio Lower Upper

114 100

63 25.4 20.9 31.3

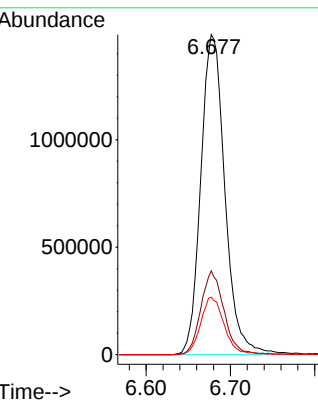
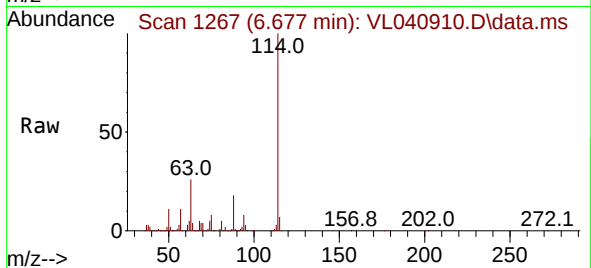
88 17.7 14.3 21.5

Manual Integrations

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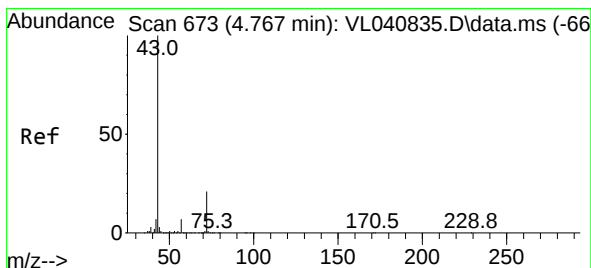
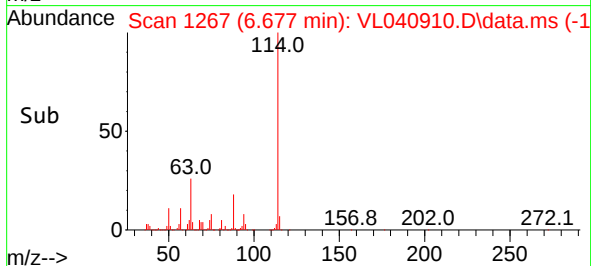


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Dadoda

11/28/2023



#34

2-Butanone

Concen: 8.617 ppbv

RT: 4.819 min Scan# 689

Delta R.T. -0.003 min

Lab File: VL040910.D

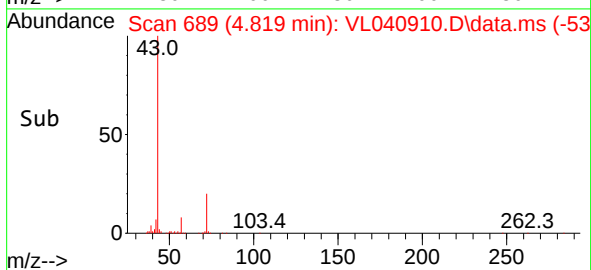
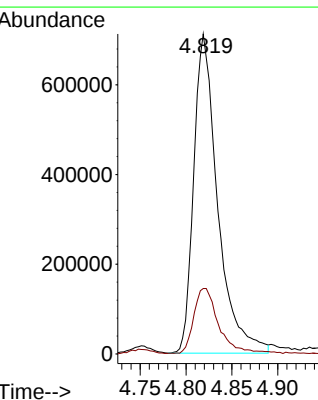
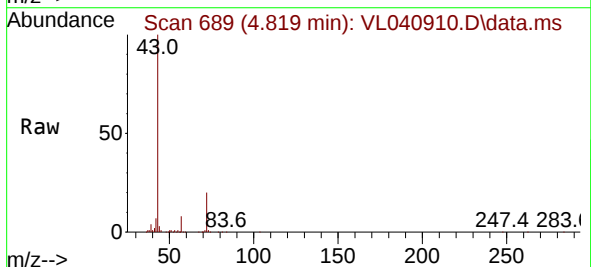
Acq: 27 Nov 2023 16:39

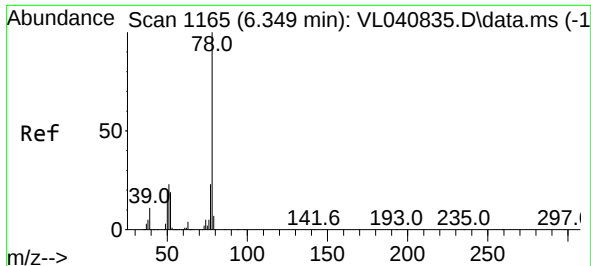
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Ion Ratio Lower Upper

43 100

72 21.6 17.2 25.8





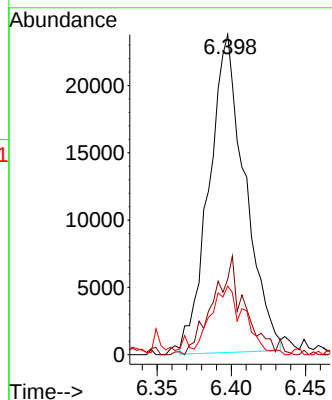
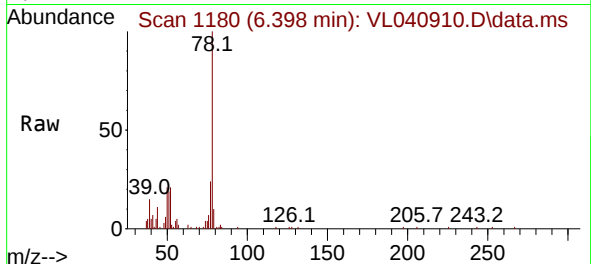
#36
Benzene
Concen: 0.167 ppbv
RT: 6.398 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 78 Resp: 39808
Ion Ratio Lower Upper
78 100
77 23.1 18.4 27.6
50 20.7 16.2 24.2

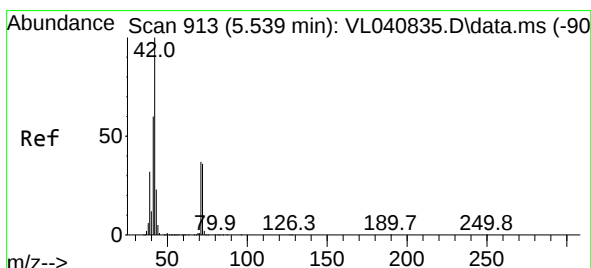
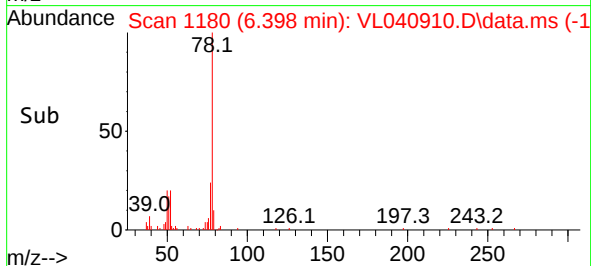
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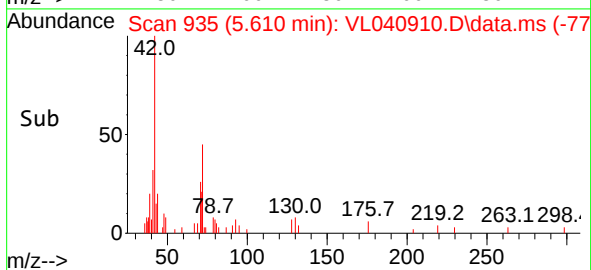
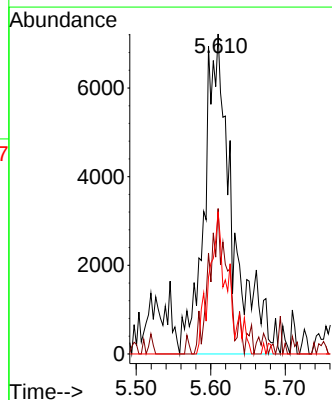
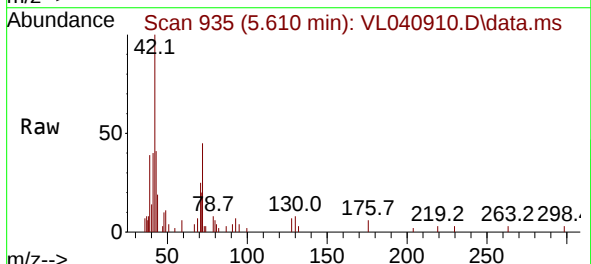
11/28/2023
Supervised By :Mahesh
Dadoda

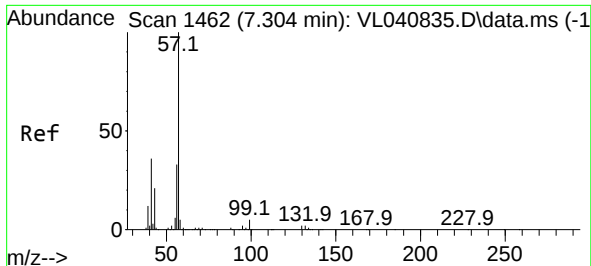
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#41
Tetrahydrofuran
Concen: 0.206 ppbv m
RT: 5.610 min Scan# 935
Delta R.T. 0.019 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

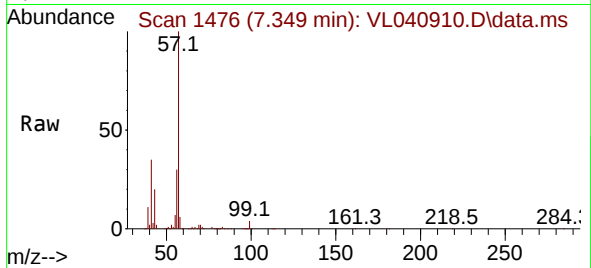
Tgt Ion: 42 Resp: 19058
Ion Ratio Lower Upper
42 100
72 30.1 30.8 46.2#
71 29.1 30.0 45.0#





#44
2,2,4-Trimethylpentane
Concen: 1.053 ppbv
RT: 7.349 min Scan# 1462
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

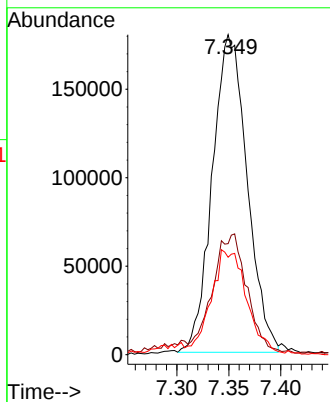
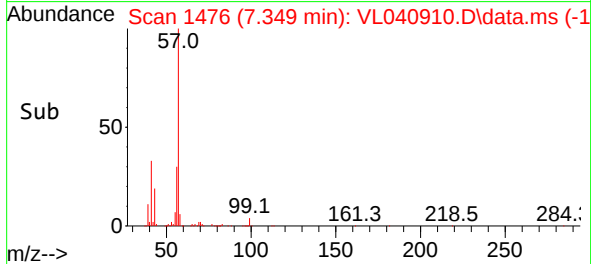
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 41804
Ion Ratio Lower Upper
57 100
41 42.6 29.0 43.6
56 37.0 25.2 37.8

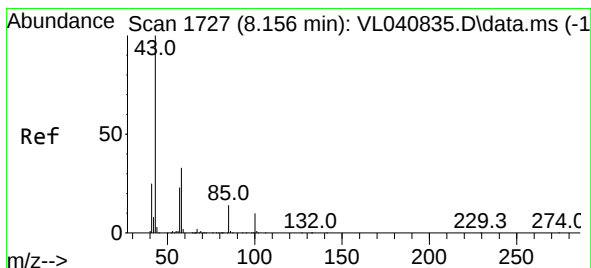
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Reviewed By :Semsettin
Yesilyurt



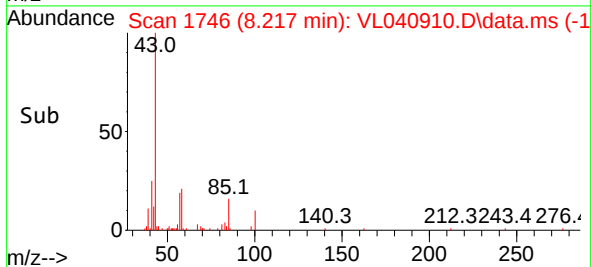
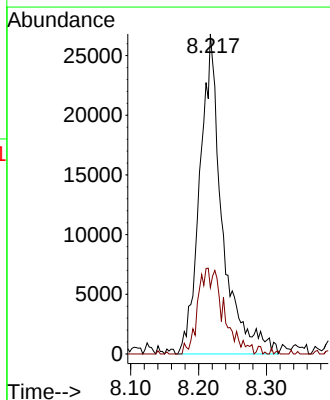
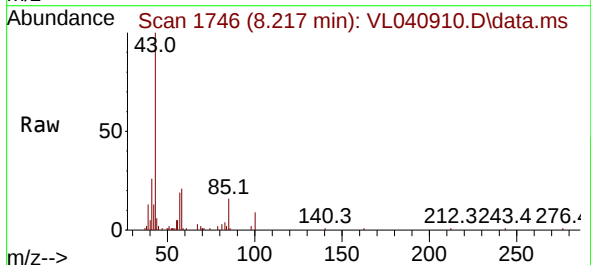
11/28/2023
Supervised By :Mahesh
Dadoda

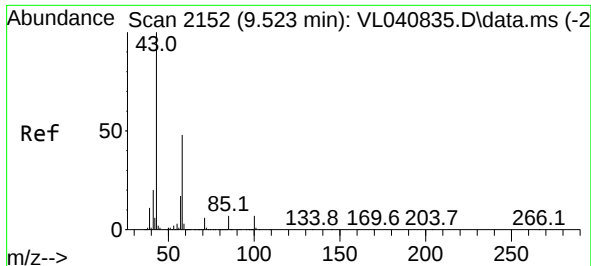
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#50
4-Methyl-2-Pentanone
Concen: 0.266 ppbv m
RT: 8.217 min Scan# 1746
Delta R.T. 0.016 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

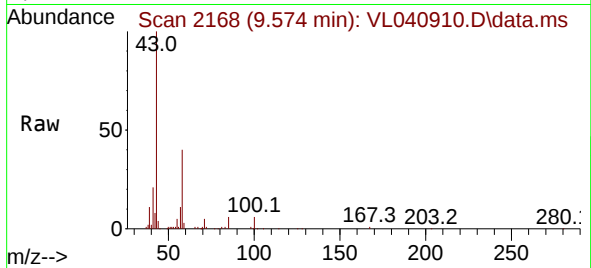
Tgt Ion: 43 Resp: 61696
Ion Ratio Lower Upper
43 100
58 31.4 27.8 41.6





#51
2-Hexanone
Concen: 1.258 ppbv m
RT: 9.574 min Scan# 2152
Delta R.T. 0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

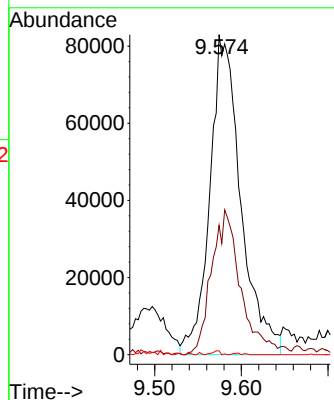
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 20602
Ion Ratio Lower Upper
43 100
58 0.0 37.4 56.2
98 0.5 0.2 0.2

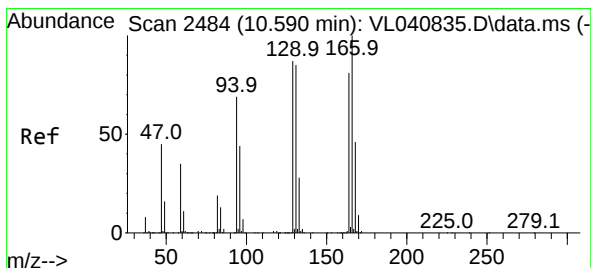
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Reviewed By :Semsettin
Yesilyurt



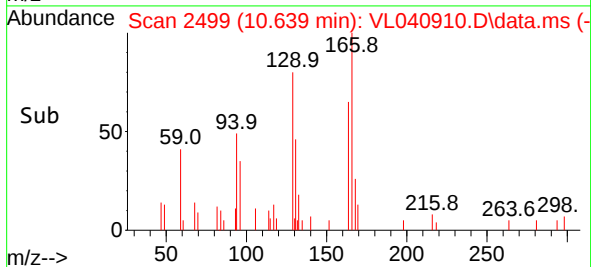
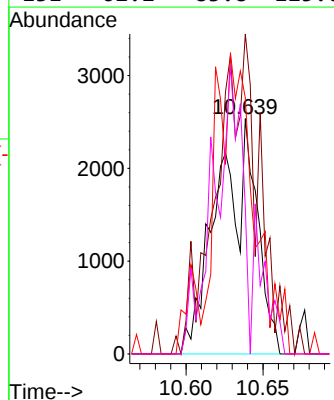
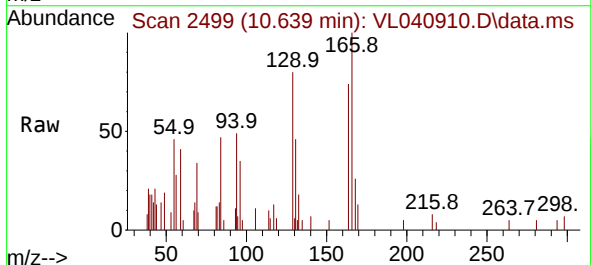
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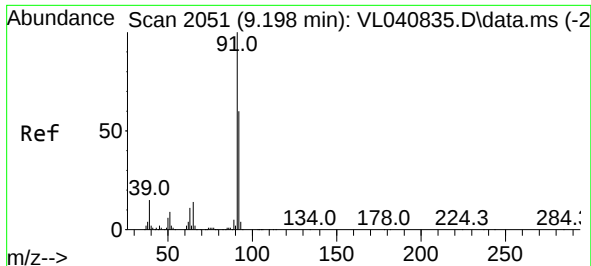
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#52
Tetrachloroethene
Concen: 0.056 ppbv m
RT: 10.639 min Scan# 2499
Delta R.T. 0.006 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

Tgt Ion:164 Resp: 4492
Ion Ratio Lower Upper
164 100
166 135.9 98.3 147.5
129 108.8 85.1 127.7
131 62.2 83.8 125.6#





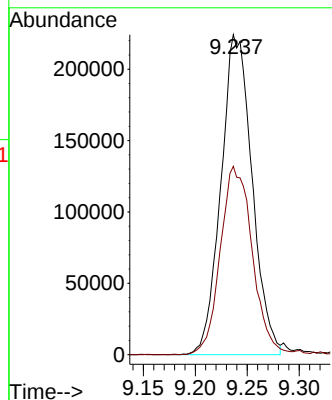
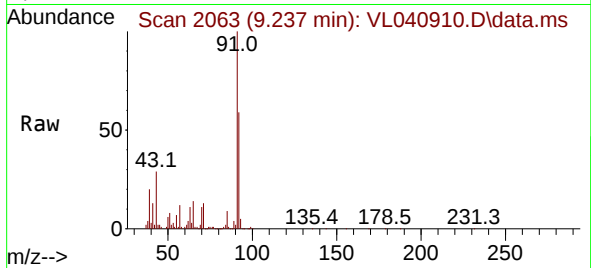
#53
Toluene
Concen: 1.775 ppbv
RT: 9.237 min Scan# 2051
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 466944
Ion Ratio Lower Upper
91 100
92 61.3 49.4 74.2

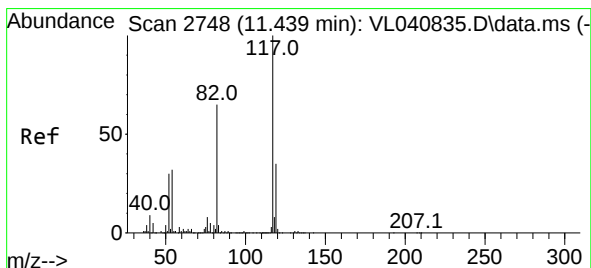
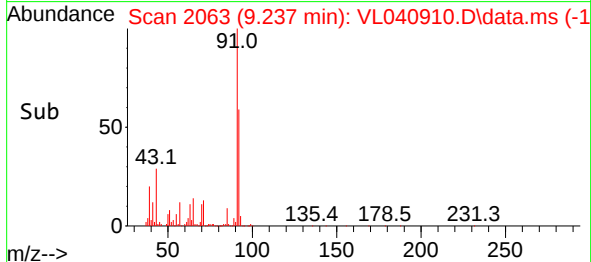
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Yesilyurt



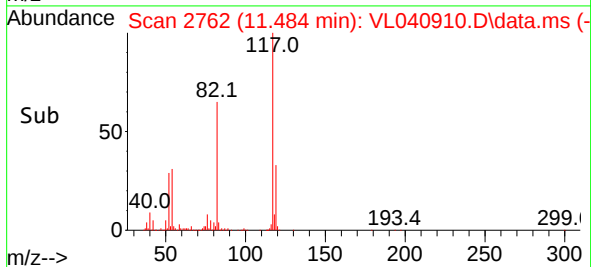
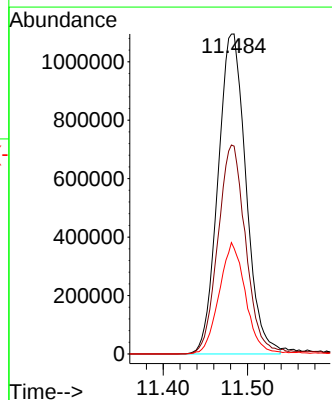
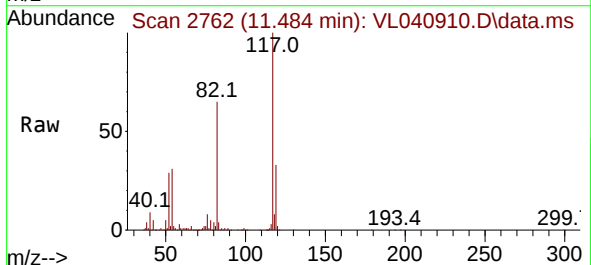
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Supervised By :Mahesh
Dadoda

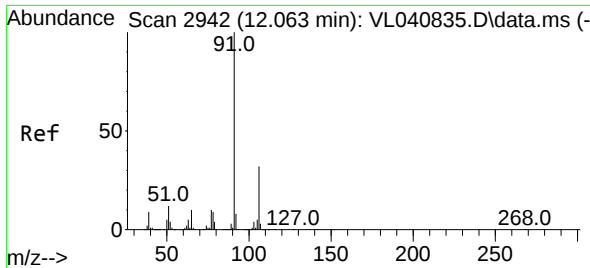
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

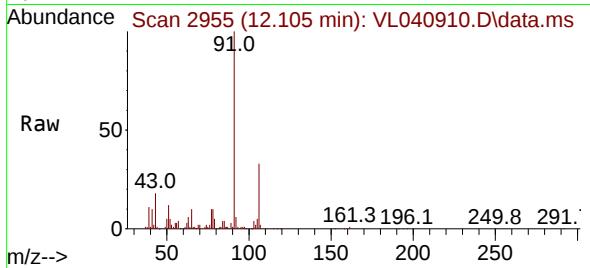
Tgt Ion:117 Resp: 2523005
Ion Ratio Lower Upper
117 100
82 66.1 50.6 75.8
119 33.3 23.3 34.9





#58
Ethyl Benzene
Concen: 0.733 ppbv
RT: 12.105 min Scan# 2942
Delta R.T. 0.000 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

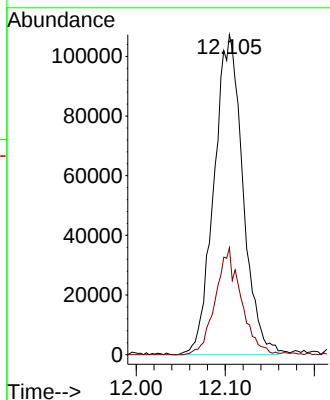
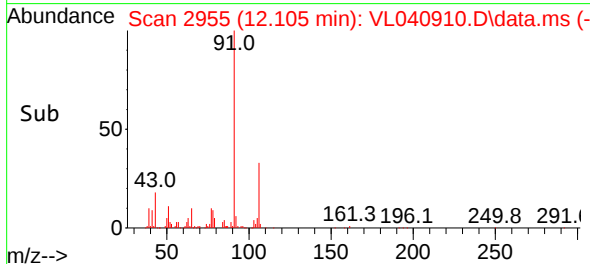
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 91 Resp: 241160
Ion Ratio Lower Upper
91 100
106 33.4 25.2 37.8

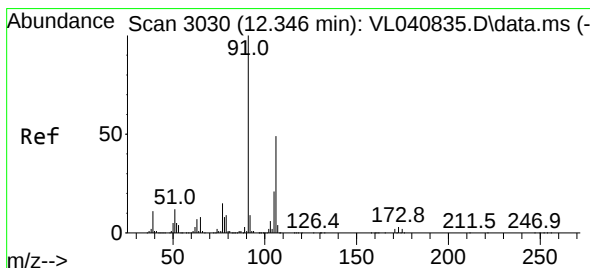
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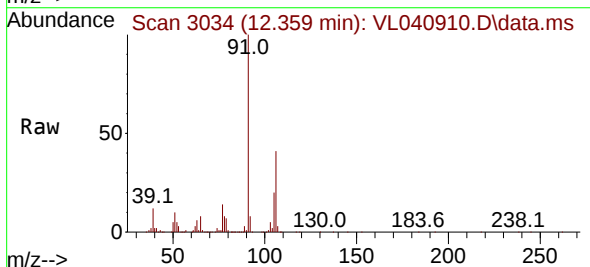


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Supervised By :Mahesh
Dadoda

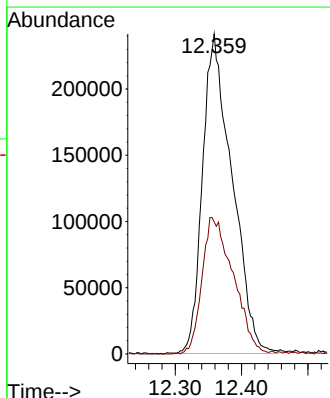
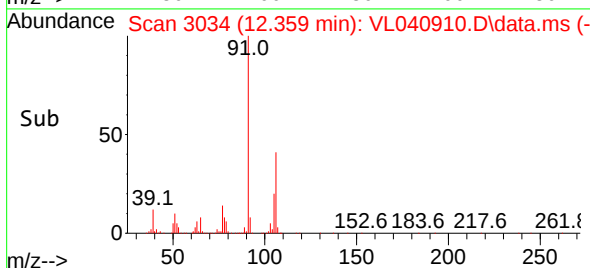
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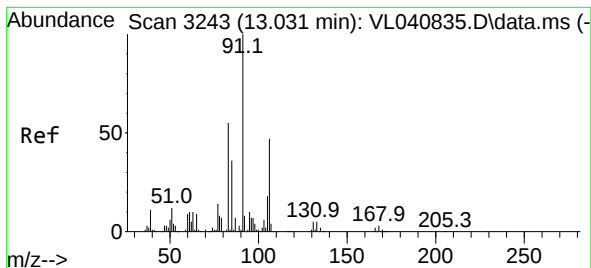


#59
m/p-Xylene
Concen: 2.655 ppbv
RT: 12.359 min Scan# 3034
Delta R.T. -0.026 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39



Tgt Ion: 91 Resp: 744333
Ion Ratio Lower Upper
91 100
106 45.7 35.4 53.0





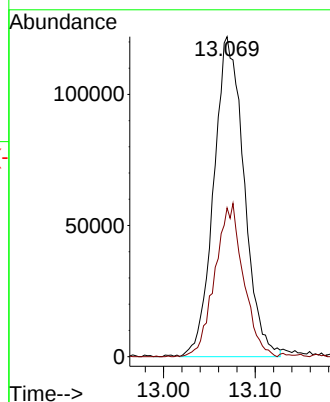
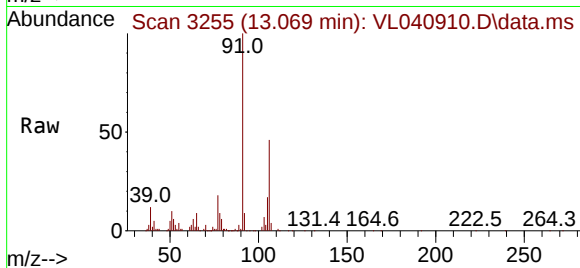
#60
o-Xylene
Concen: 1.048 ppbv
RT: 13.069 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 27961
Ion Ratio Lower Upper
91 100
106 45.4 22.9 68.5

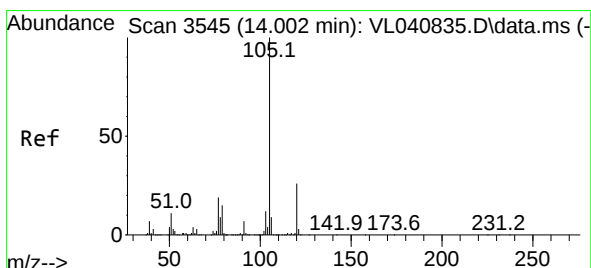
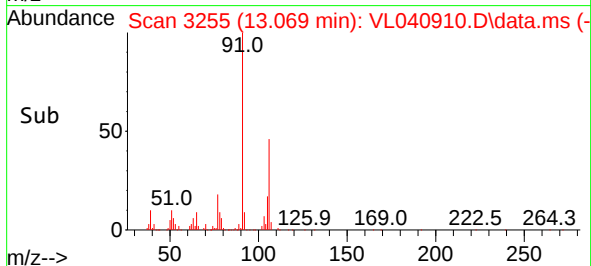
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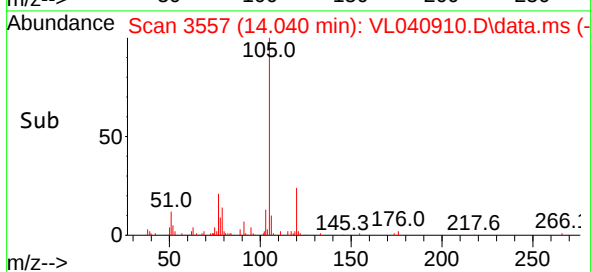
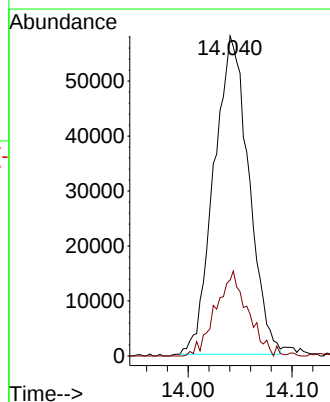
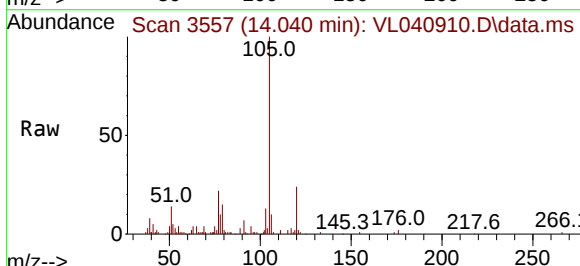
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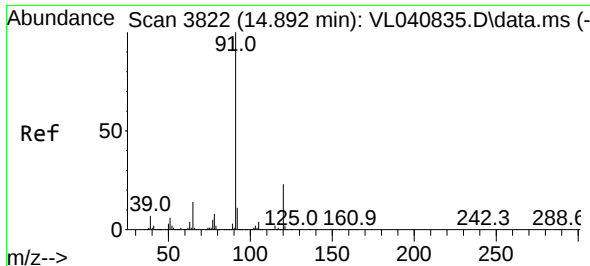
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#62
Isopropylbenzene
Concen: 0.342 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

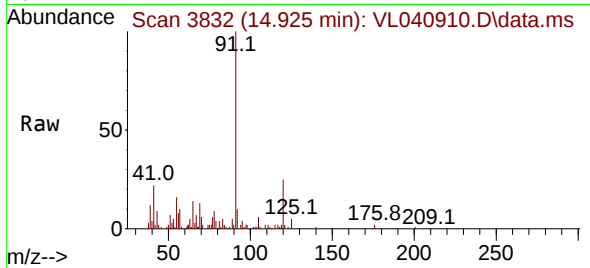
Tgt Ion:105 Resp: 134764
Ion Ratio Lower Upper
105 100
120 24.6 20.7 31.1





#64
n-propylbenzene
Concen: 0.231 ppbv m
RT: 14.925 min Scan# 3822
Delta R.T. -0.006 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

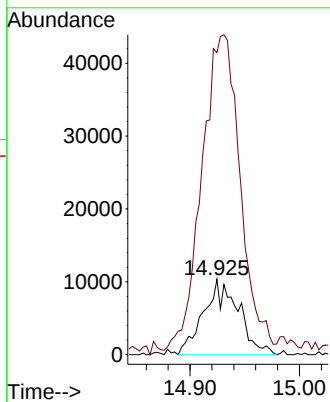
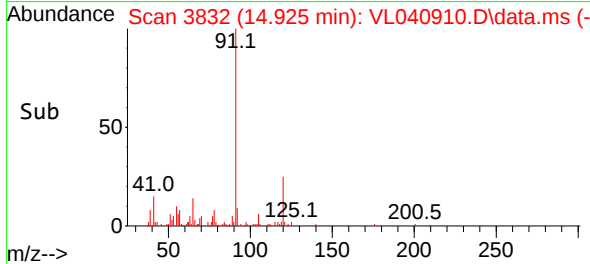
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:120 Resp: 22780
Ion Ratio Lower Upper
120 100
91 509.6 381.1 571.7

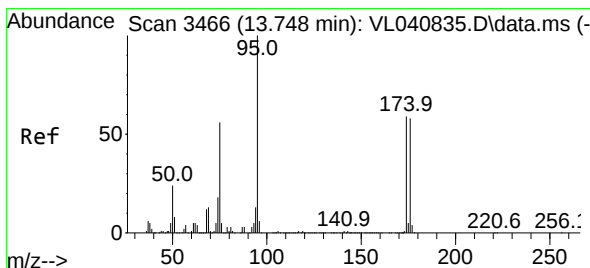
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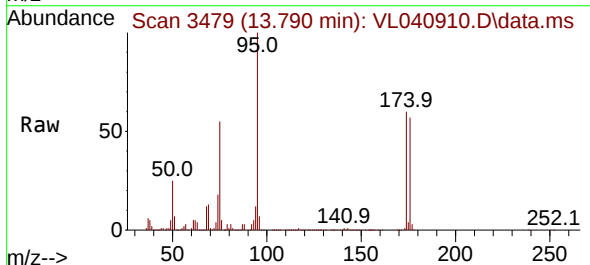


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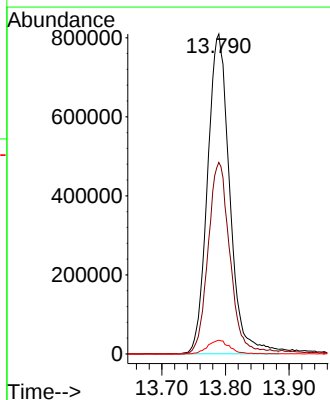
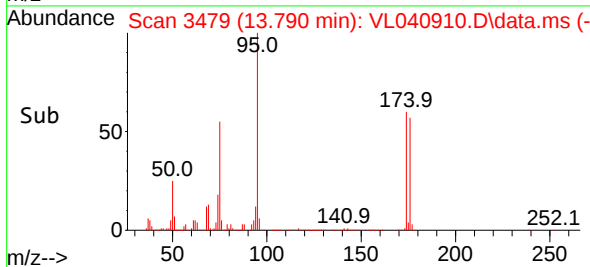
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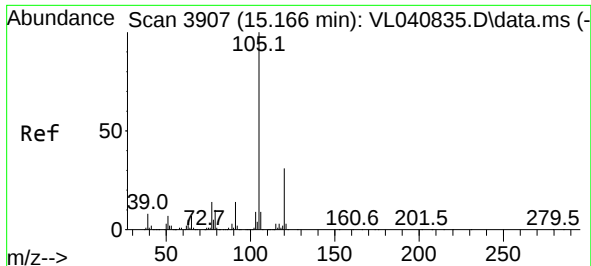


#68
1-Bromo-4-Fluorobenzene
Concen: 9.911 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. -0.003 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39



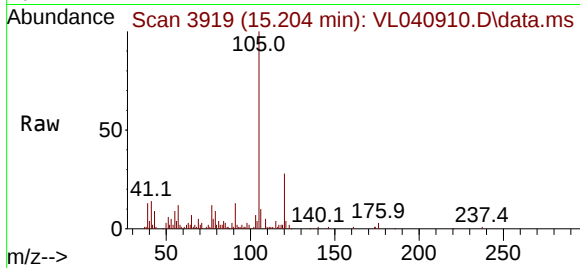
Tgt Ion: 95 Resp: 1957745
Ion Ratio Lower Upper
95 100
174 60.6 47.5 71.3
175 4.4 3.6 5.4





#72
4-Ethyltoluene
Concen: 0.381 ppbv m
RT: 15.204 min Scan# 3919
Delta R.T. 0.000 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

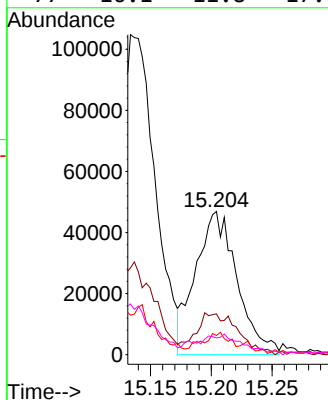
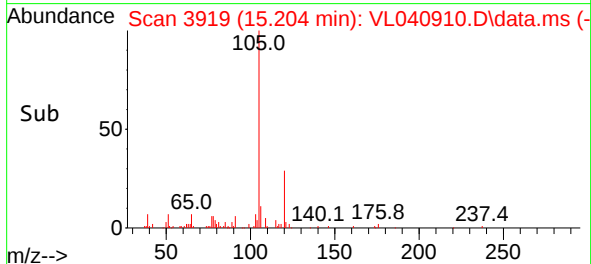
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:105 Resp: 111829
Ion Ratio Lower Upper
105 100
120 28.6 24.5 36.7
91 10.8 10.6 16.0
77 16.1 11.8 17.6

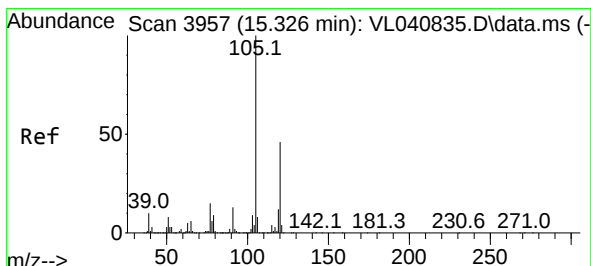
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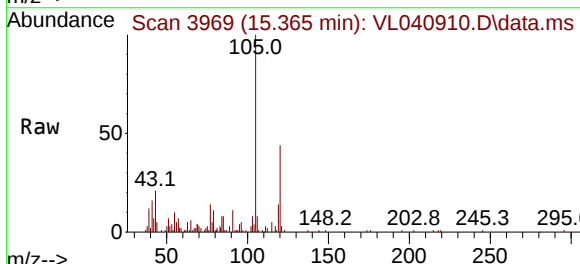


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Supervised By :Mahesh
Dadoda

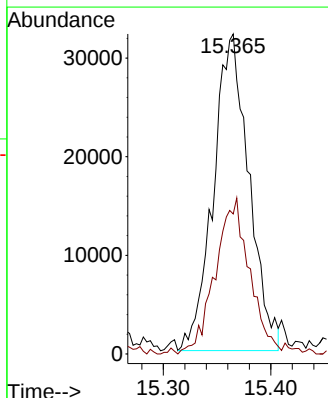
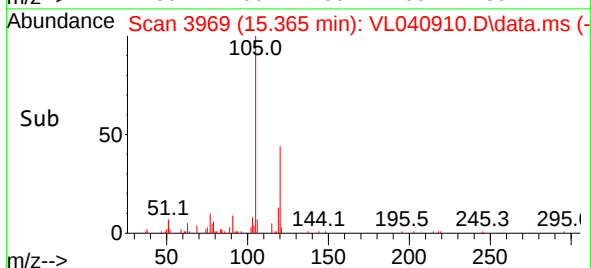
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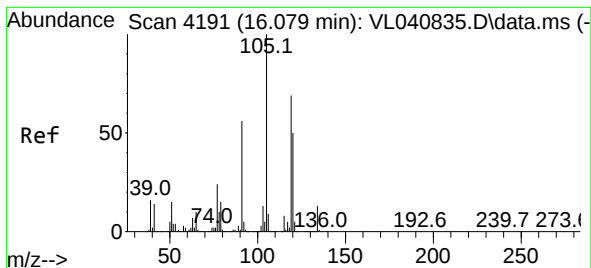


#73
1,3,5-Trimethylbenzene
Concen: 0.284 ppbv
RT: 15.365 min Scan# 3969
Delta R.T. 0.000 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39



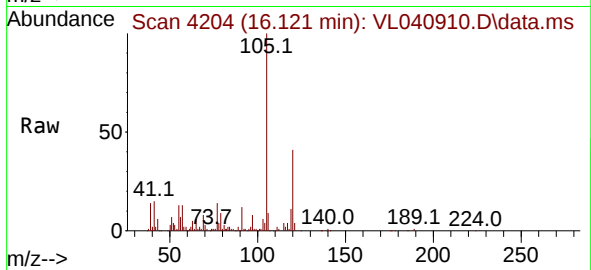
Tgt Ion:105 Resp: 73759
Ion Ratio Lower Upper
105 100
120 44.2 36.8 55.2





#74
1,2,4-Trimethylbenzene
Concen: 0.700 ppbv
RT: 16.121 min Scan# 4191
Delta R.T. 0.000 min
Lab File: VL040910.D
Acq: 27 Nov 2023 16:39

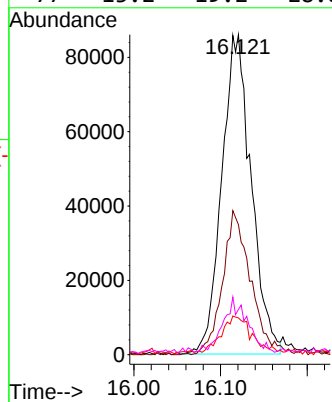
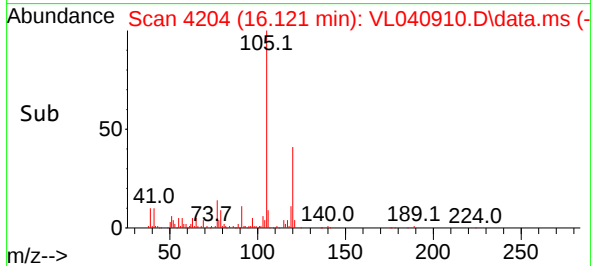
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:105 Resp: 202811
Ion Ratio Lower Upper
105 100
120 40.7 40.2 60.2
91 10.7 45.7 68.5
77 13.2 19.2 28.8#

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Supervised By :Mahesh
Dadoda

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