

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039913.D
 Acq On : 21 Nov 2022 17:04
 Operator : SY/AP
 Sample : N5724-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022
 Supervised By :Mahesh Dadoda 11/24/2022

Quant Time: Nov 22 03:49:29 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	992761	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	3119159	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2791438	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2248352	10.545	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	20062m	0.141	ppbv	
9) Propene	2.671	41	24759	0.384	ppbv	95
10) Heptane	7.558	43	48098m	0.309	ppbv	
13) Ethanol	3.227	45	8037m	1.631	ppbv	
15) Acetone	3.443	43	1374744	10.440	ppbv	99
20) Methylene Chloride	3.906	84	143013	2.242	ppbv	86
26) Hexane	5.189	57	412498	3.906	ppbv #	34
30) Cyclohexane	6.574	84	20072m	0.194	ppbv	
34) 2-Butanone	4.774	43	48082	0.322	ppbv #	87
36) Benzene	6.343	78	76002	0.287	ppbv	93
52) Tetrachloroethene	10.603	164	4628m	0.047	ppbv	
53) Toluene	9.201	91	384989	1.275	ppbv	100
58) Ethyl Benzene	12.069	91	82821	0.219	ppbv #	88
59) m/p-Xylene	12.327	91	305013m	0.962	ppbv	
60) o-Xylene	13.040	91	166224	0.550	ppbv	100
64) n-propylbenzene	14.896	120	13924	0.122	ppbv	89
72) 4-Ethyltoluene	15.185	105	65194m	0.192	ppbv	
73) 1,3,5-Trimethylbenzene	15.336	105	73672	0.237	ppbv	89
74) 1,2,4-Trimethylbenzene	16.095	105	304465	0.925	ppbv #	74
79) Naphthalene	21.387	128	24142m	0.122	ppbv	

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

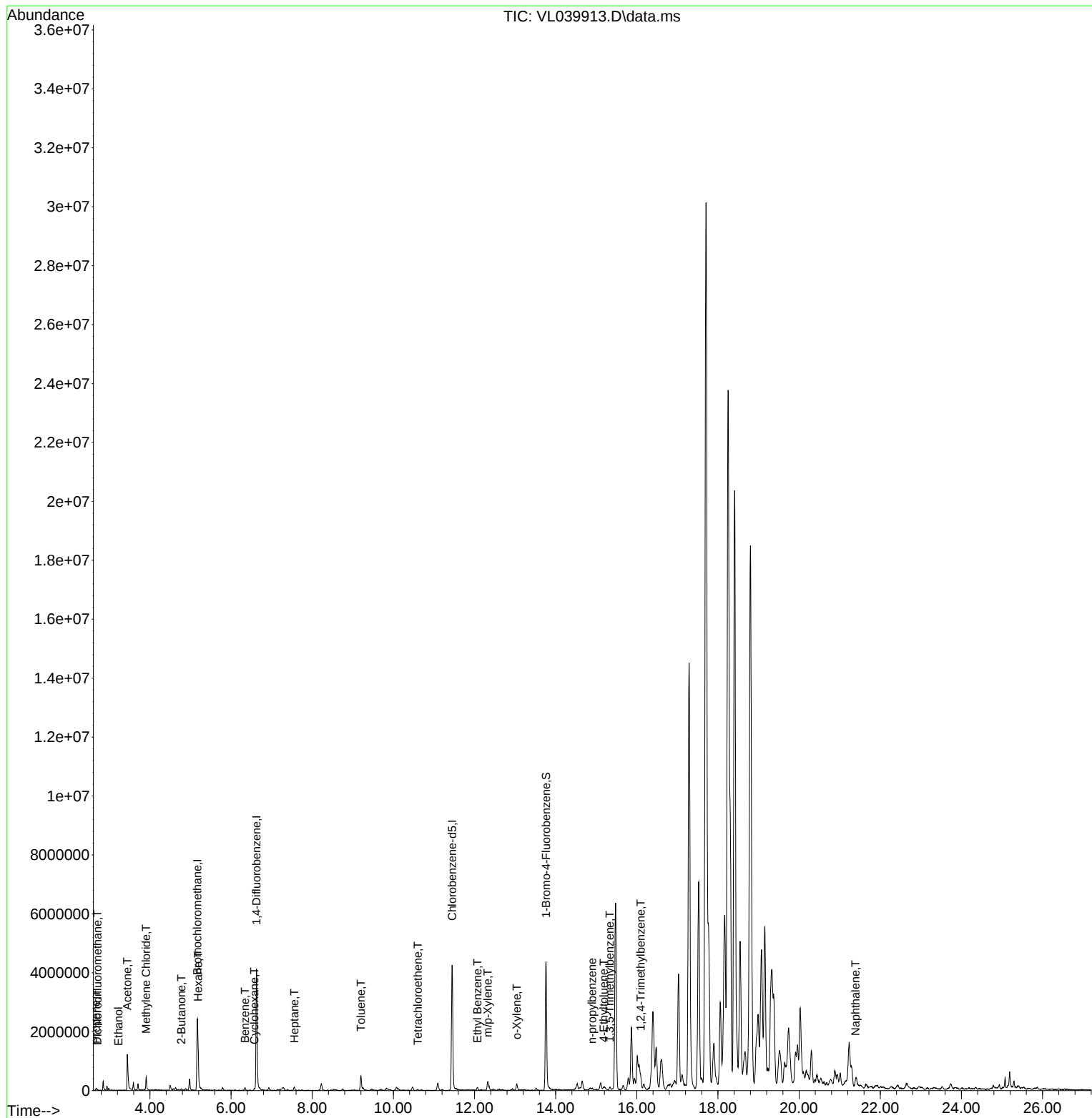
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
Data File : VL039913.D
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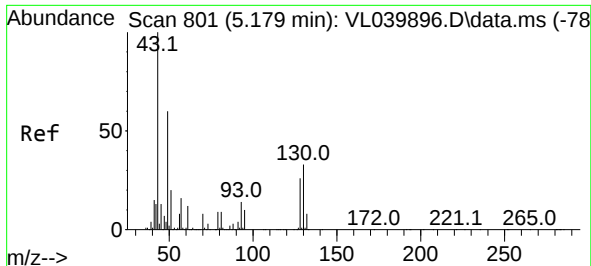
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration





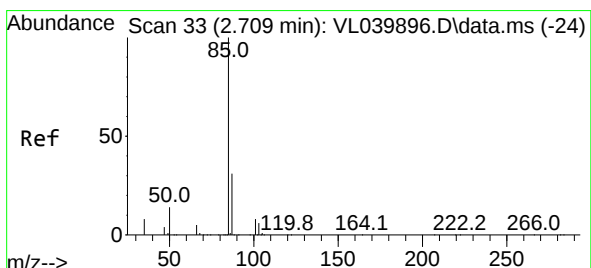
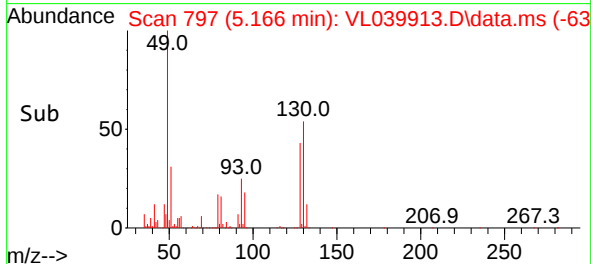
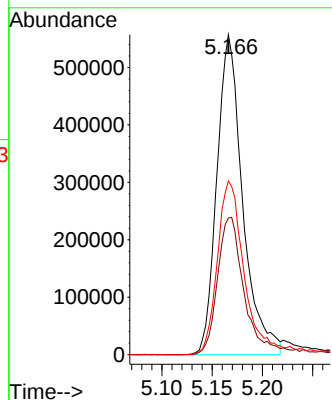
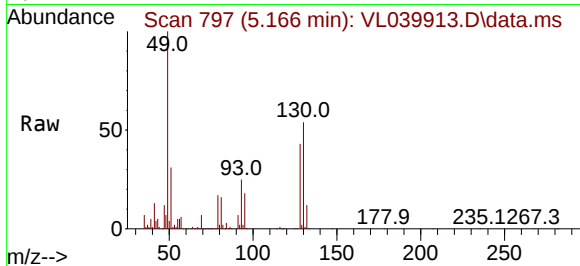
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 99276
Ion Ratio Lower Upper
49 100
128 47.0 22.1 66.3
130 59.3 27.7 83.1

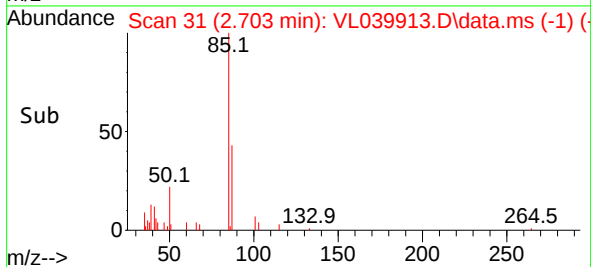
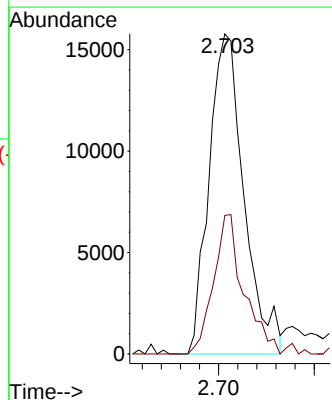
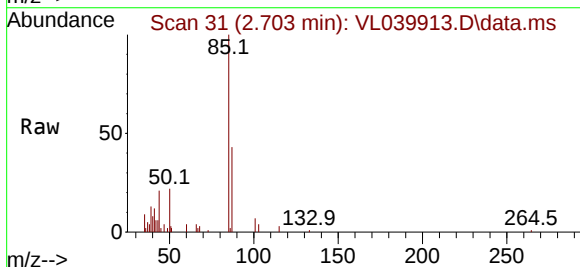
Manual Integrations
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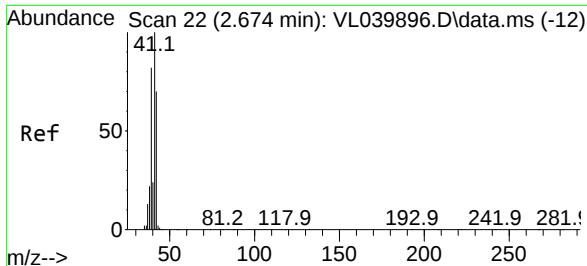
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#2
Dichlorodifluoromethane
Concen: 0.141 ppbv m
RT: 2.703 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

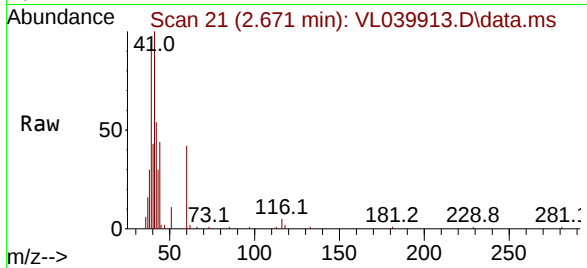
Tgt Ion: 85 Resp: 20062
Ion Ratio Lower Upper
85 100
87 43.3 25.0 37.4#





#9
 Propene
 Concen: 0.384 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VL039913.D
 Acq: 21 Nov 2022 17:04

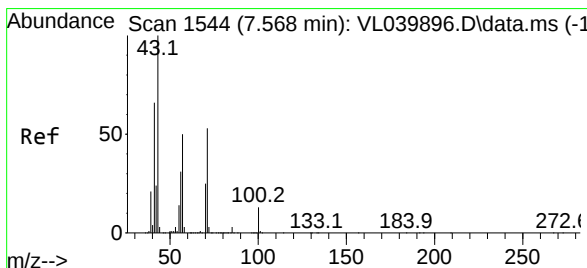
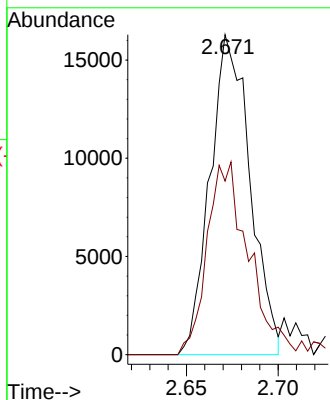
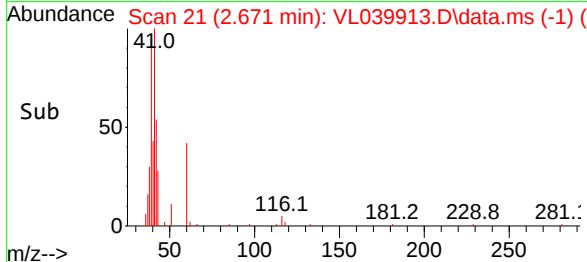
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



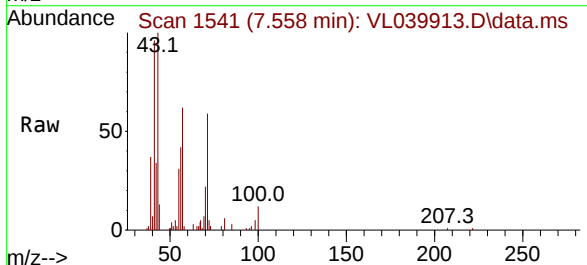
Tgt Ion: 41 Resp: 24759
 Ion Ratio Lower Upper
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 42 65.7 55.8 83.6

Manual Integrations
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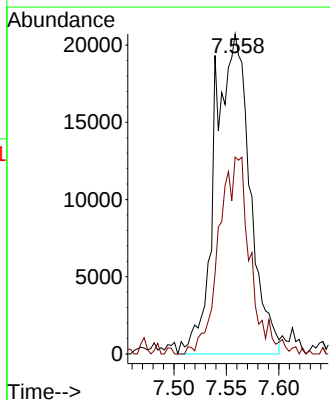
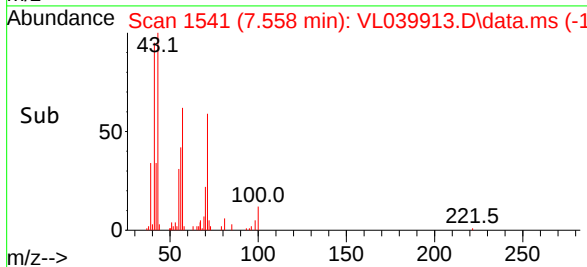
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 Supervised By :Mahesh Dadoda 11/24/2022

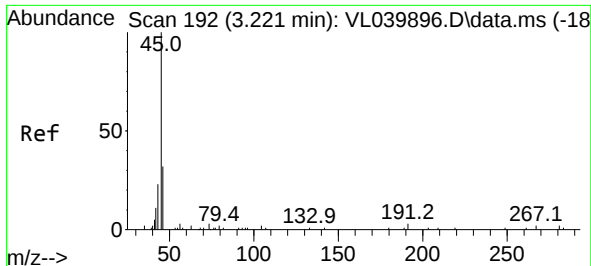


#10
 Heptane
 Concen: 0.309 ppbv m
 RT: 7.558 min Scan# 1541
 Delta R.T. 0.013 min
 Lab File: VL039913.D
 Acq: 21 Nov 2022 17:04



Tgt Ion: 43 Resp: 48098
 Ion Ratio Lower Upper
 43 100
 57 55.6 40.7 61.1





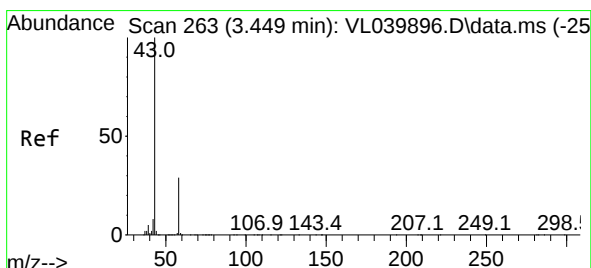
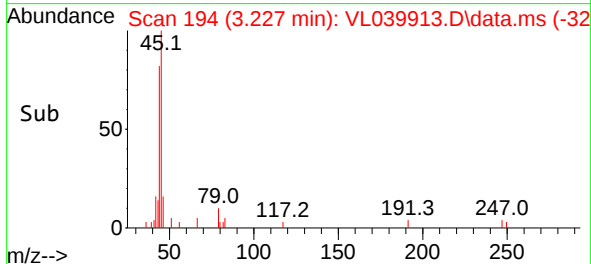
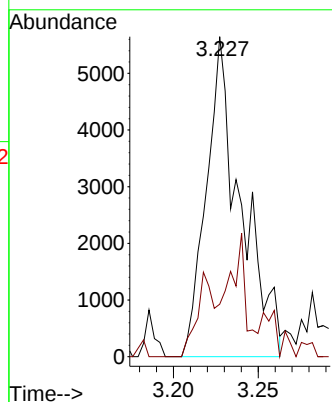
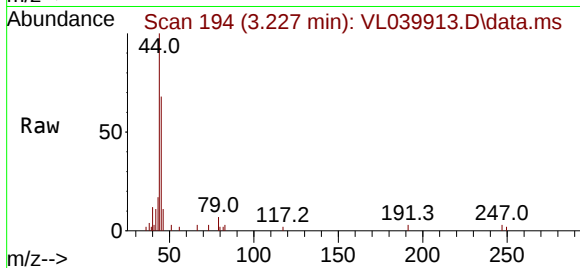
#13
Ethanol
Concen: 1.631 ppbv m
RT: 3.227 min Scan# 19
Delta R.T. 0.019 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 803
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2

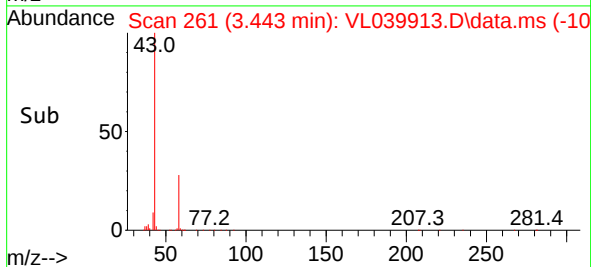
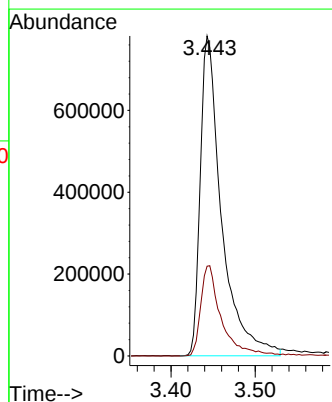
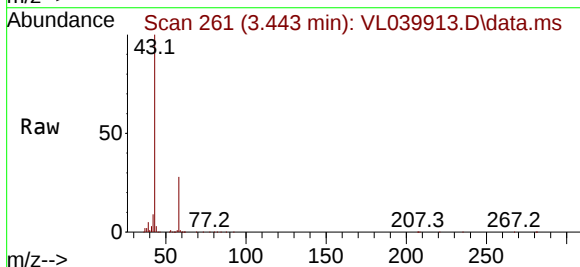
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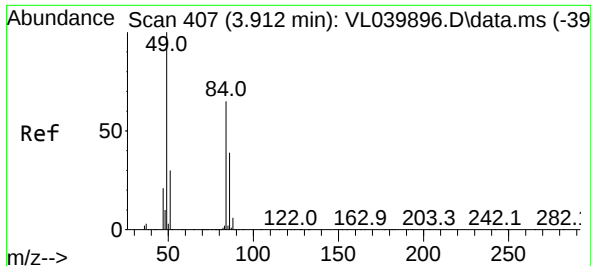
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#15
Acetone
Concen: 10.440 ppbv
RT: 3.443 min Scan# 261
Delta R.T. 0.010 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

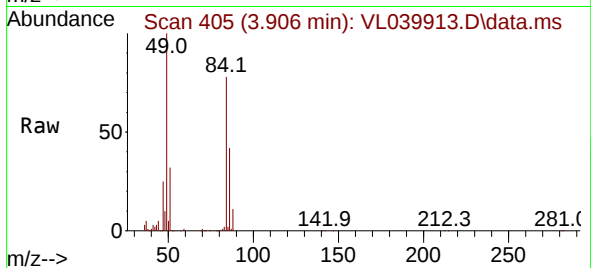
Tgt Ion: 43 Resp: 1374744
Ion Ratio Lower Upper
43 100
58 28.2 22.9 34.3





#20
Methylene Chloride
Concen: 2.242 ppbv
RT: 3.906 min Scan# 407
Delta R.T. 0.006 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

Instrument :
MSVOA_L
ClientSampleId :
SV1

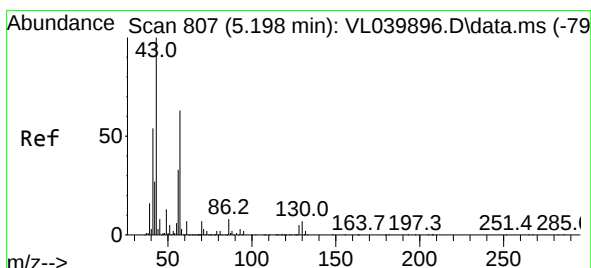
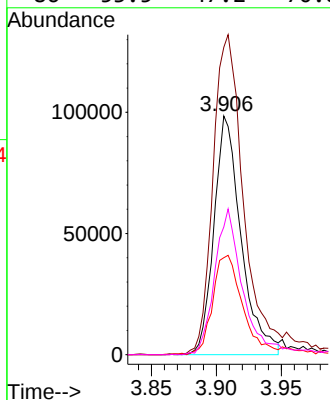
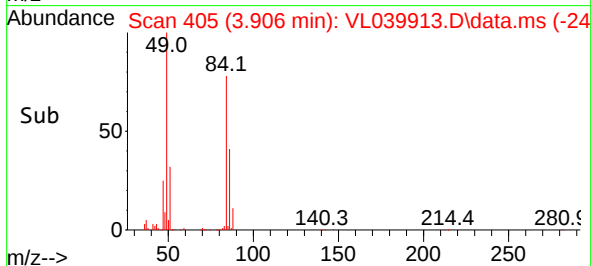


Tgt Ion: 84 Resp: 14301

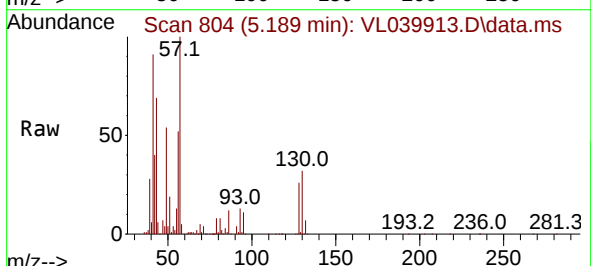
Ion	Ratio	Lower	Upper
84	100		
49	128.1	122.2	183.4
51	40.3	36.3	54.5
86	53.5	47.2	70.8

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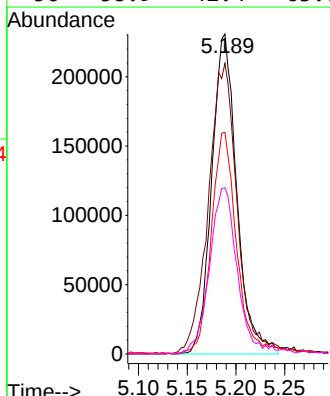
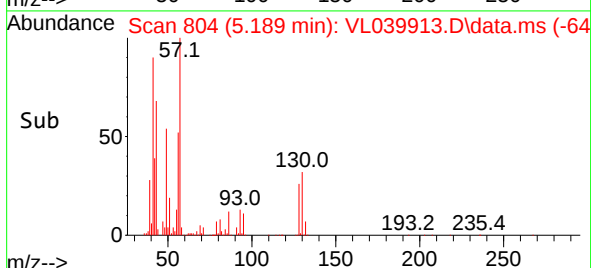


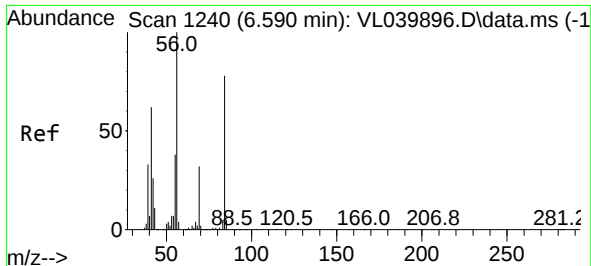
#26
Hexane
Concen: 3.906 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.007 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04



Tgt Ion: 57 Resp: 412498

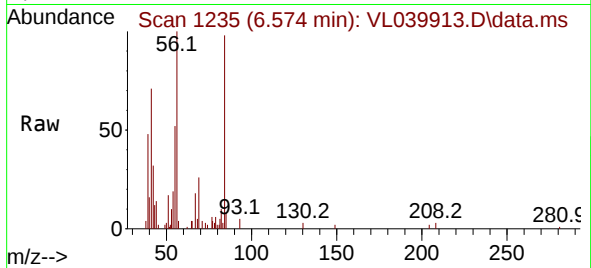
Ion	Ratio	Lower	Upper
57	100		
41	107.0	72.3	108.5
43	71.2	188.7	283.1#
56	58.9	42.4	63.6





#30
Cyclohexane
Concen: 0.194 ppbv m
RT: 6.574 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

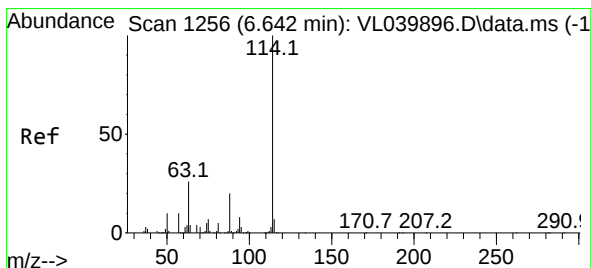
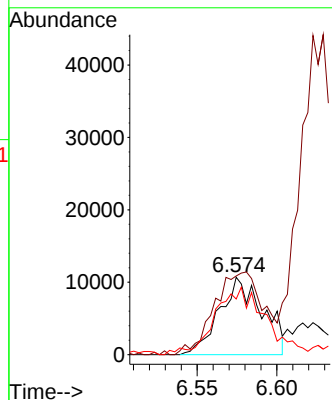
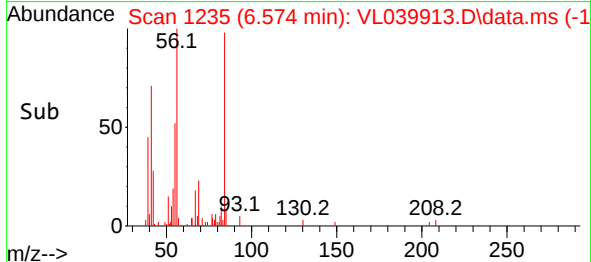
Instrument :
MSVOA_L
ClientSampleId :
SV1



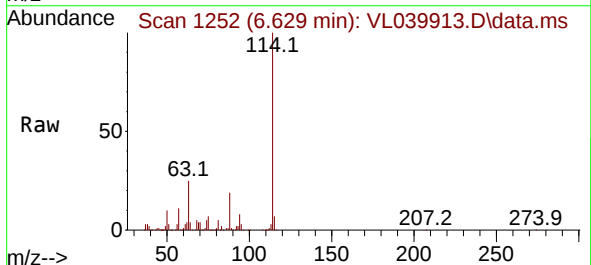
Tgt Ion: 84 Resp: 20072
Ion Ratio Lower Upper
84 100
56 124.0 112.5 168.7
41 107.8 67.8 101.8

Manual Integrations
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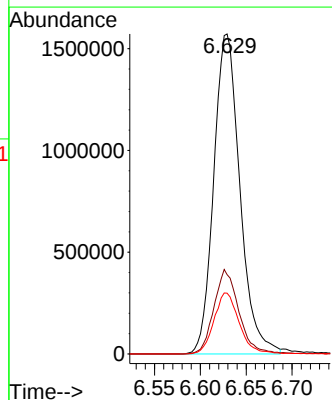
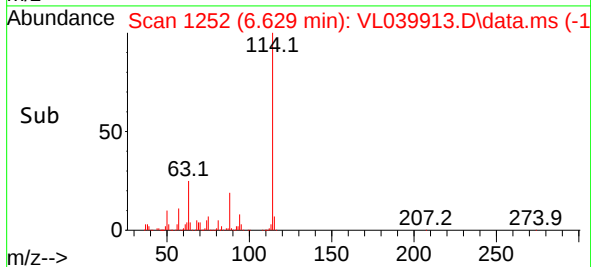
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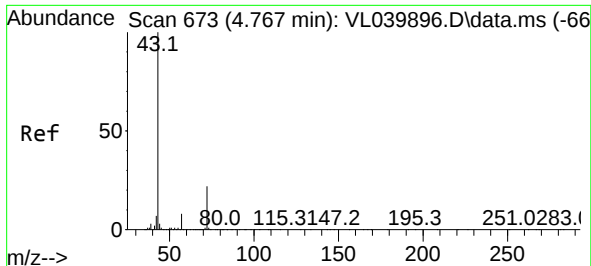


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. 0.010 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04



Tgt Ion:114 Resp: 3119159
Ion Ratio Lower Upper
114 100
63 25.3 21.4 32.0
88 18.6 15.3 22.9





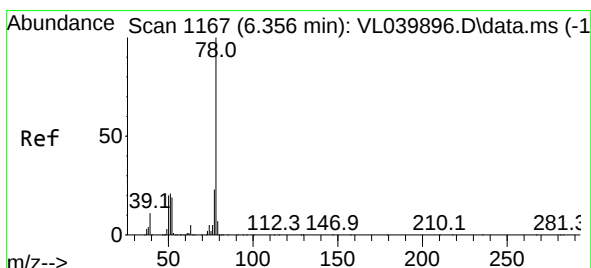
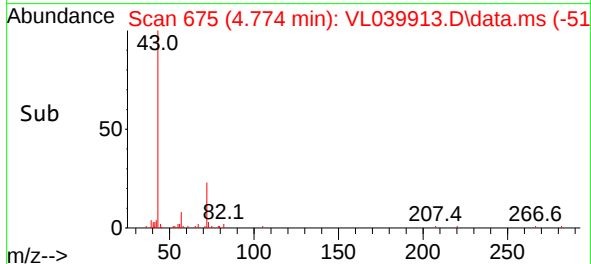
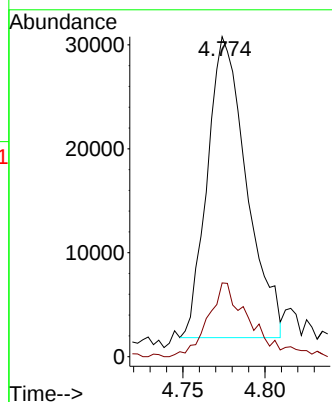
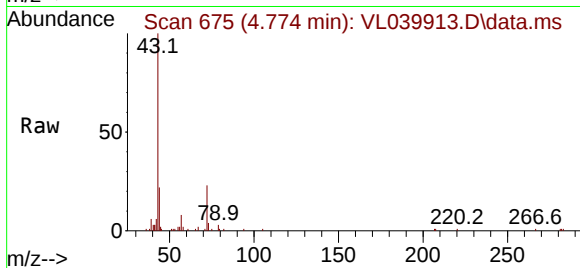
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2-Butanone
Concen: 0.322 ppbv
RT: 4.774 min Scan# 61
Delta R.T. 0.023 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

Instrument :
MSVOA_L
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SV1

Tgt Ion: 43 Resp: 4808
Ion Ratio Lower Upper
43 100
72 27.8 17.4 26.2

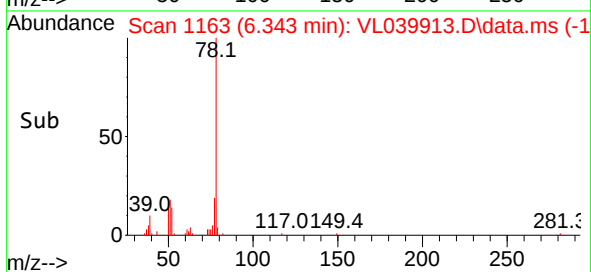
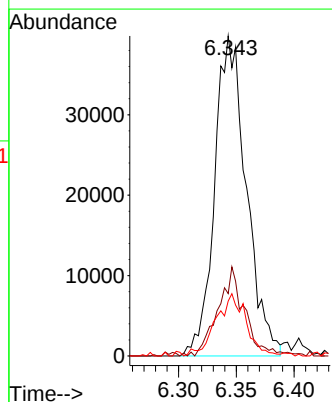
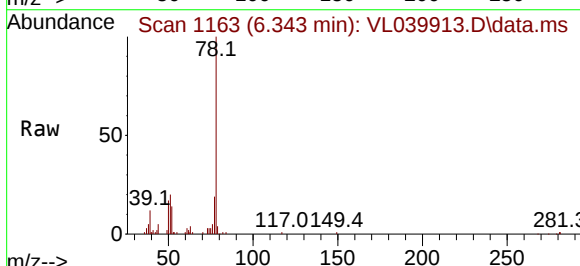
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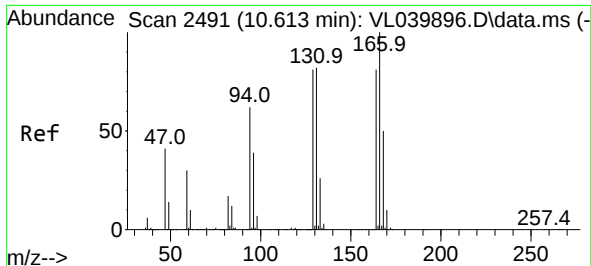
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#36
Benzene
Concen: 0.287 ppbv
RT: 6.343 min Scan# 1163
Delta R.T. 0.007 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

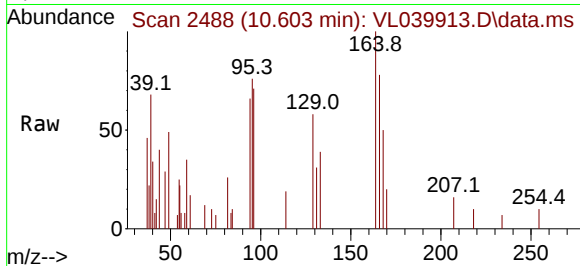
Tgt Ion: 78 Resp: 76002
Ion Ratio Lower Upper
78 100
77 19.5 18.2 27.2
50 16.6 15.8 23.8





#52
Tetrachloroethene
Concen: 0.047 ppbv m
RT: 10.603 min Scan# 2491
Delta R.T. 0.016 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

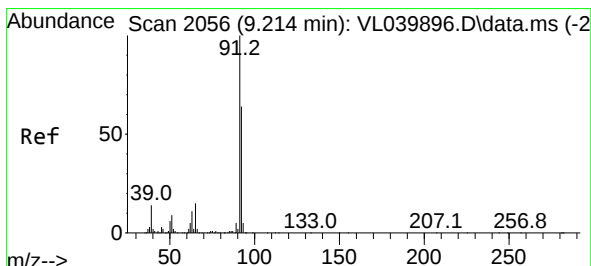
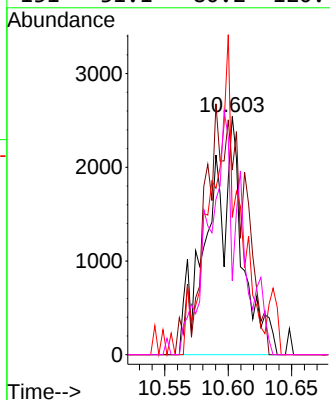
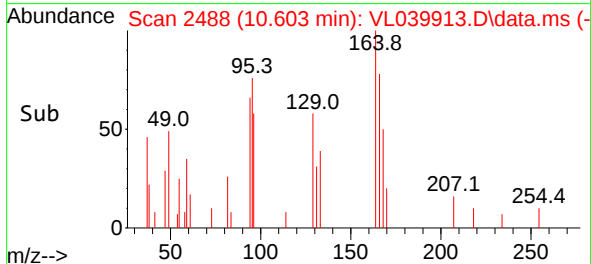
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 4628
Ion Ratio Lower Upper
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166 77.5 98.3 147.5
129 57.7 79.7 119.5
131 31.1 80.2 120.4

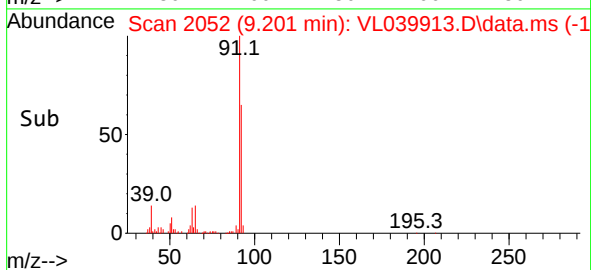
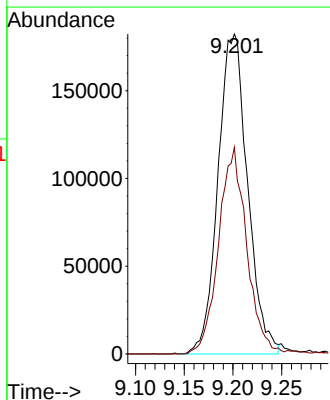
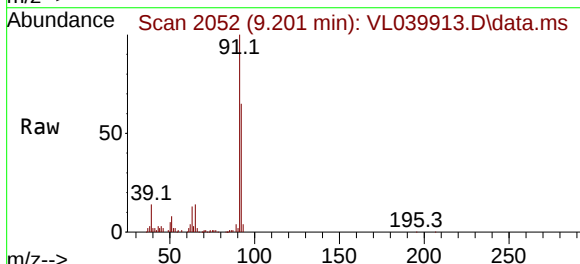
Manual Integrations
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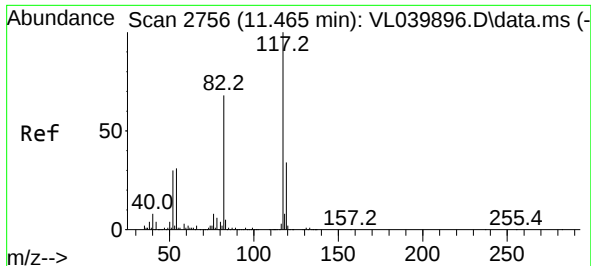
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#53
Toluene
Concen: 1.275 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. 0.010 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

Tgt Ion: 91 Resp: 384989
Ion Ratio Lower Upper
91 100
92 62.2 49.8 74.6





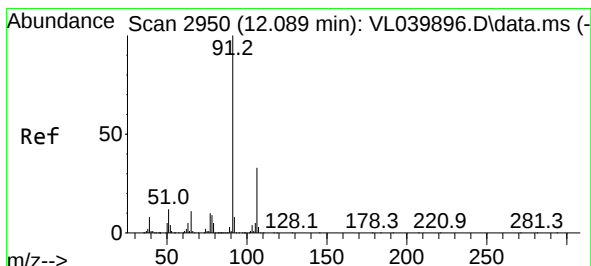
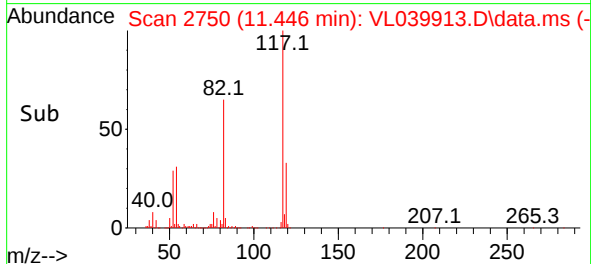
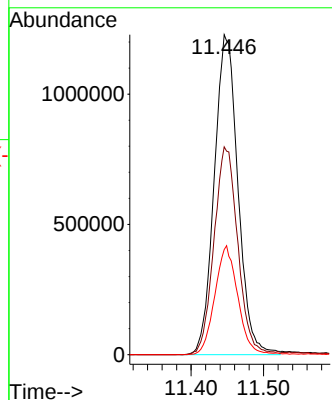
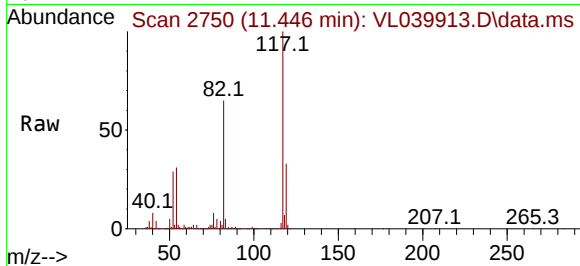
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:117 Resp: 2791438
Ion Ratio Lower Upper
117 100
82 66.7 52.3 78.5
119 33.1 25.7 38.5

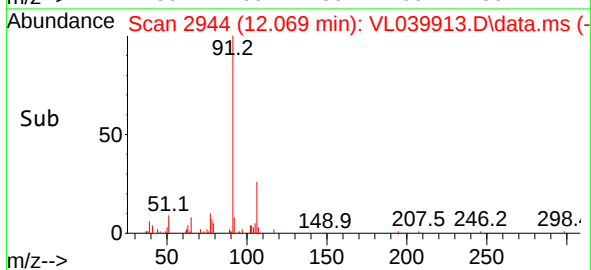
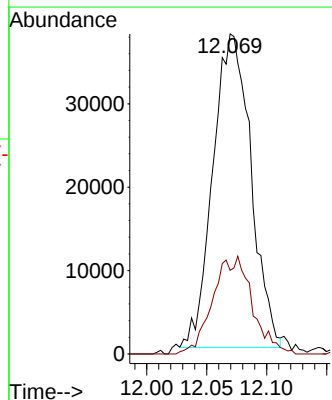
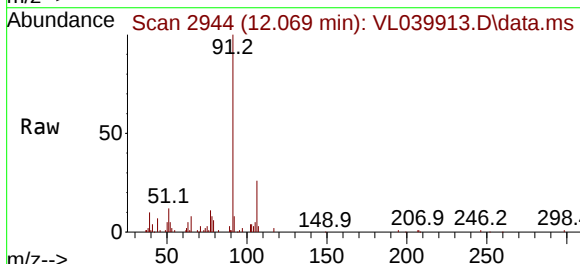
Manual Integrations
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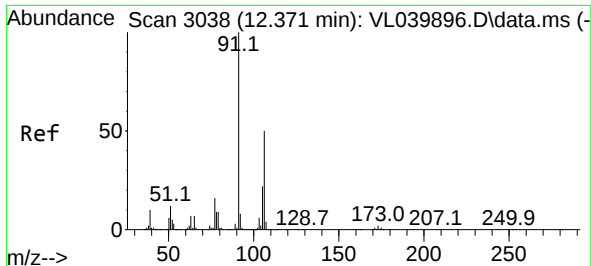
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#58
Ethyl Benzene
Concen: 0.219 ppbv
RT: 12.069 min Scan# 2944
Delta R.T. 0.006 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

Tgt Ion: 91 Resp: 82821
Ion Ratio Lower Upper
91 100
106 26.0 26.1 39.1#





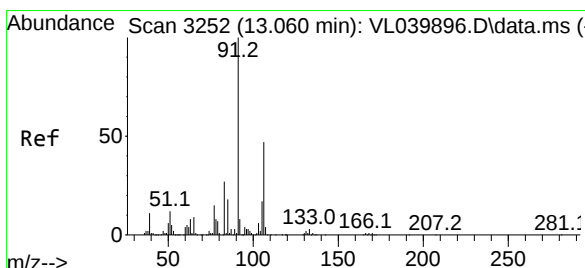
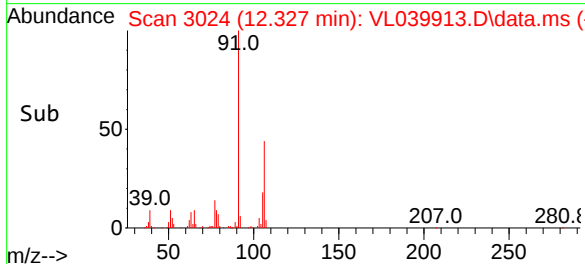
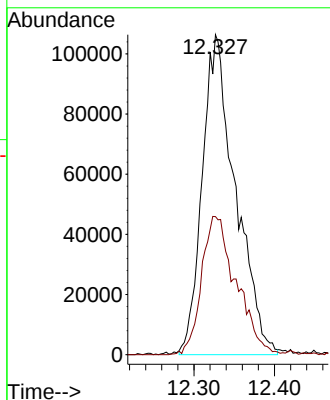
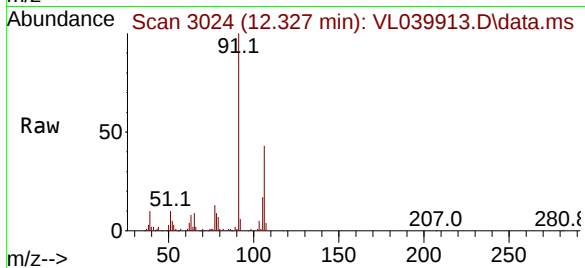
#59
m/p-Xylene
Concen: 0.962 ppbv m
RT: 12.327 min Scan# 3038
Delta R.T. -0.019 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 30501
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6

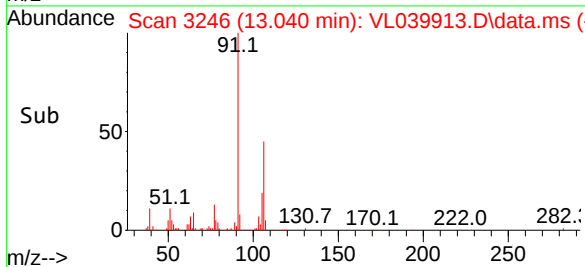
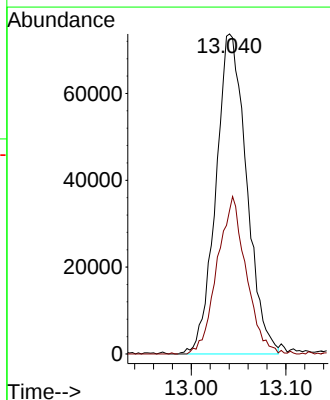
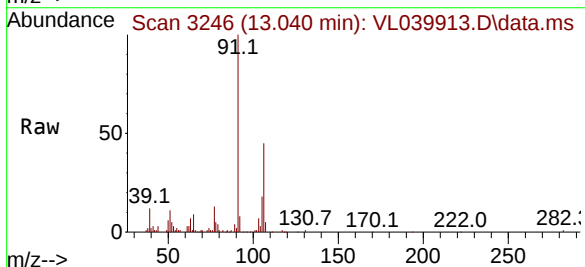
Manual Integrations
APPROVED

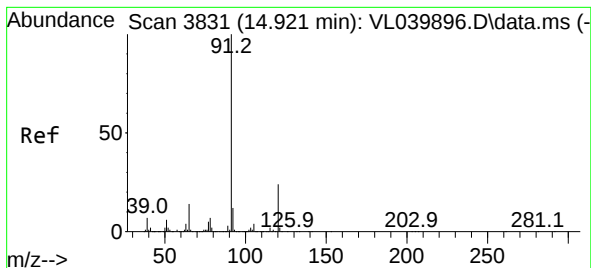
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#60
o-Xylene
Concen: 0.550 ppbv
RT: 13.040 min Scan# 3246
Delta R.T. 0.003 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

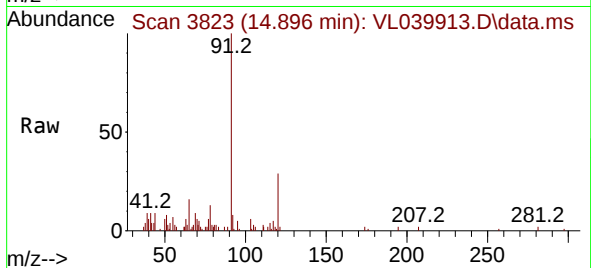
Tgt Ion: 91 Resp: 166224
Ion Ratio Lower Upper
91 100
106 46.5 23.2 69.6





#64
n-propylbenzene
Concen: 0.122 ppbv
RT: 14.896 min Scan# 3823
Delta R.T. 0.000 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

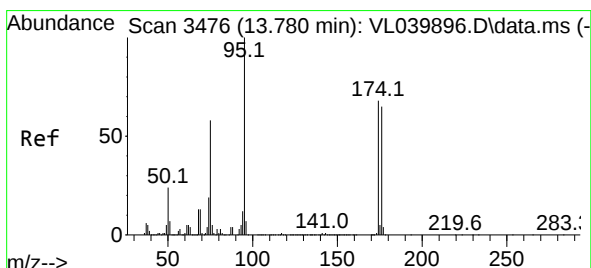
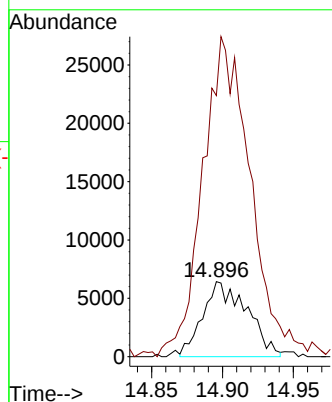
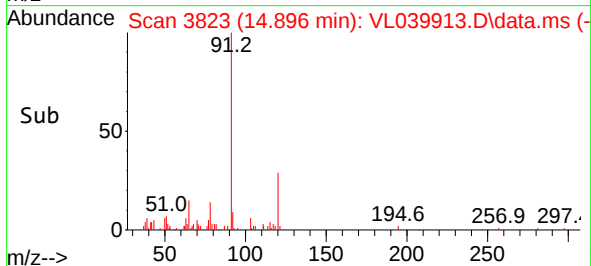
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:120 Resp: 13924
Ion Ratio Lower Upper
120 100
91 469.8 353.7 530.5

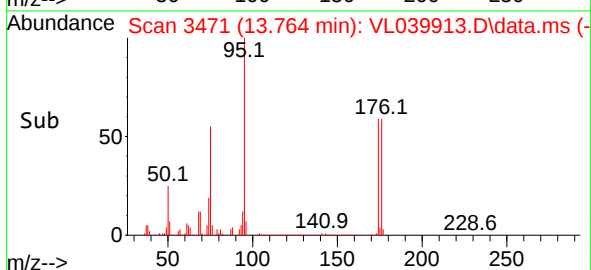
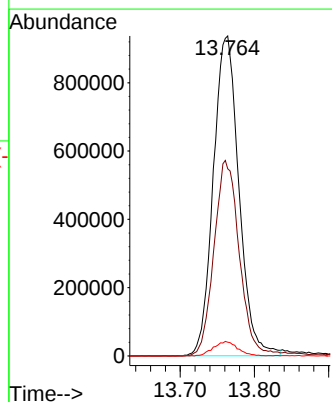
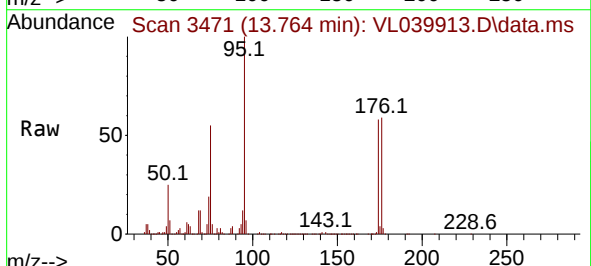
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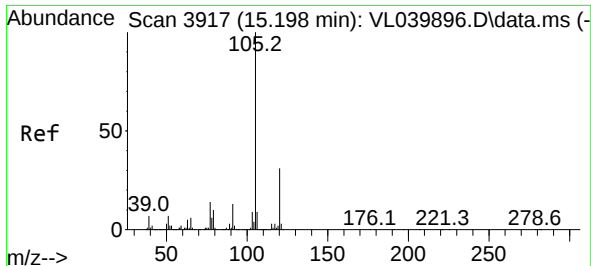
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.545 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.010 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

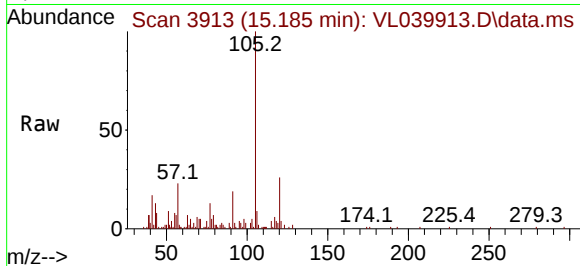
Tgt Ion: 95 Resp: 2248352
Ion Ratio Lower Upper
95 100
174 61.7 53.7 80.5
175 4.3 4.0 6.0





#72
4-Ethyltoluene
Concen: 0.192 ppbv m
RT: 15.185 min Scan# 3913
Delta R.T. 0.010 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

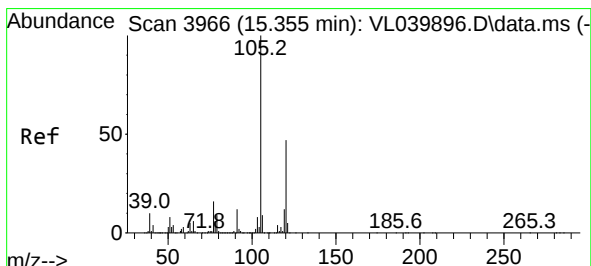
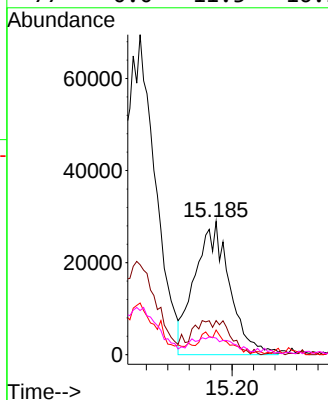
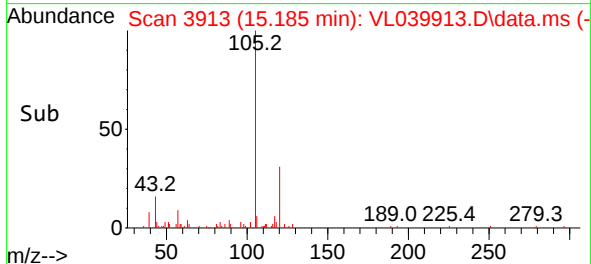
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:105 Resp: 65194
Ion Ratio Lower Upper
105 100
120 0.0 24.5 36.7
91 14.4 10.4 15.6
77 0.0 11.3 16.9#

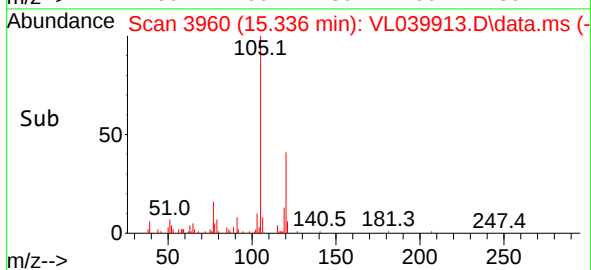
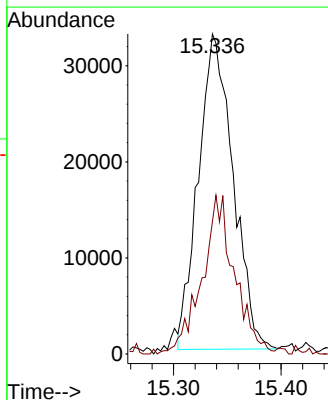
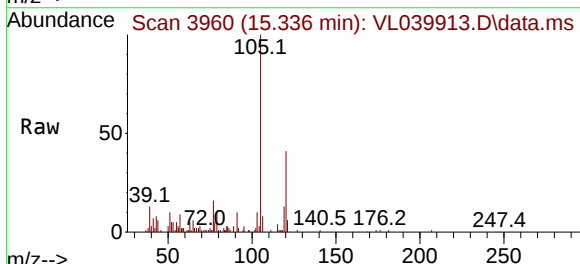
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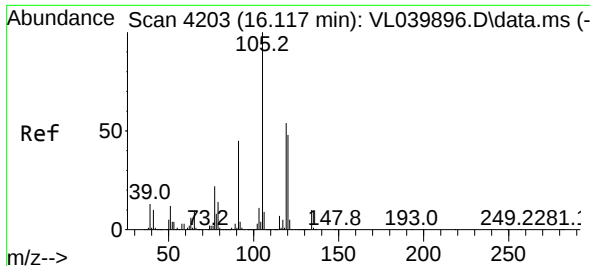
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.237 ppbv
RT: 15.336 min Scan# 3960
Delta R.T. 0.003 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

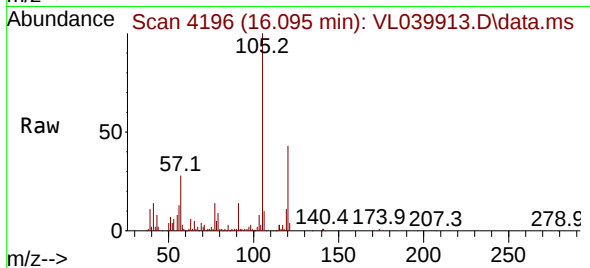
Tgt Ion:105 Resp: 73672
Ion Ratio Lower Upper
105 100
120 40.1 37.9 56.9





#74
1,2,4-Trimethylbenzene
Concen: 0.925 ppbv
RT: 16.095 min Scan# 4196
Delta R.T. 0.003 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

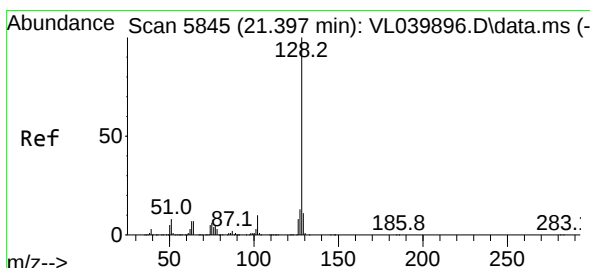
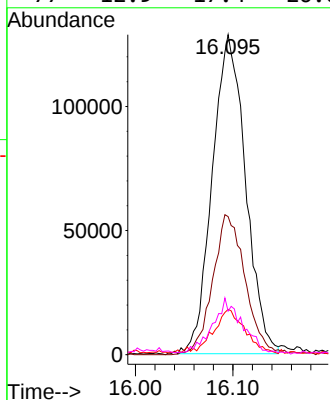
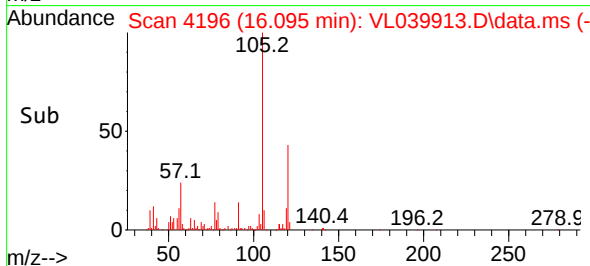
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:105 Resp: 30446
Ion Ratio Lower Upper
105 100
120 43.1 38.7 58.1
91 13.8 36.4 54.6
77 12.9 17.4 26.0#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#79
Naphthalene
Concen: 0.122 ppbv m
RT: 21.387 min Scan# 5842
Delta R.T. 0.016 min
Lab File: VL039913.D
Acq: 21 Nov 2022 17:04

Tgt Ion:128 Resp: 24142
Ion Ratio Lower Upper
128 100
127 25.7 10.0 15.0#
129 22.3 8.8 13.2#

