

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038687.D
 Acq On : 22 Mar 2022 17:02
 Operator : SY/AP
 Sample : N1961-09DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P72DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 04:14:54 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 2

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.655	49	921503	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	2413056	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.069	117	2209736	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.397	95	1618336	9.552	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.500%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.983	51	16275m	0.167	ppbv	
4) Chloromethane	3.140	50	18449	0.345	ppbv	98
9) Propene	3.021	41	377680m	8.038	ppbv	
13) Ethanol	3.591	45	206765	39.892	ppbv	98
15) Acetone	3.841	43	352264	4.430	ppbv #	64
17) tert-Butyl alcohol	4.282	59	56034	0.807	ppbv #	73
19) Isopropyl Alcohol	3.954	45	326806	7.413	ppbv	99
25) Ethyl Acetate	5.664	43	424627	2.121	ppbv #	96
27) Carbon Disulfide	4.542	76	19218	0.219	ppbv #	74
30) Cyclohexane	7.121	84	40451m	0.519	ppbv	
34) 2-Butanone	5.234	43	128299	1.343	ppbv #	89
44) 2,2,4-Trimethylpentane	7.854	57	77825	0.249	ppbv #	78
53) Toluene	9.790	91	2753072	13.758	ppbv	100
58) Ethyl Benzene	12.690	91	43999m	0.170	ppbv	
59) m/p-Xylene	12.954	91	100589m	0.445	ppbv	
60) o-Xylene	13.674	91	36622m	0.171	ppbv	
61) Styrene	13.513	104	22338	0.192	ppbv	96
69) p-Isopropyltoluene	17.635	119	32336	0.096	ppbv #	89

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

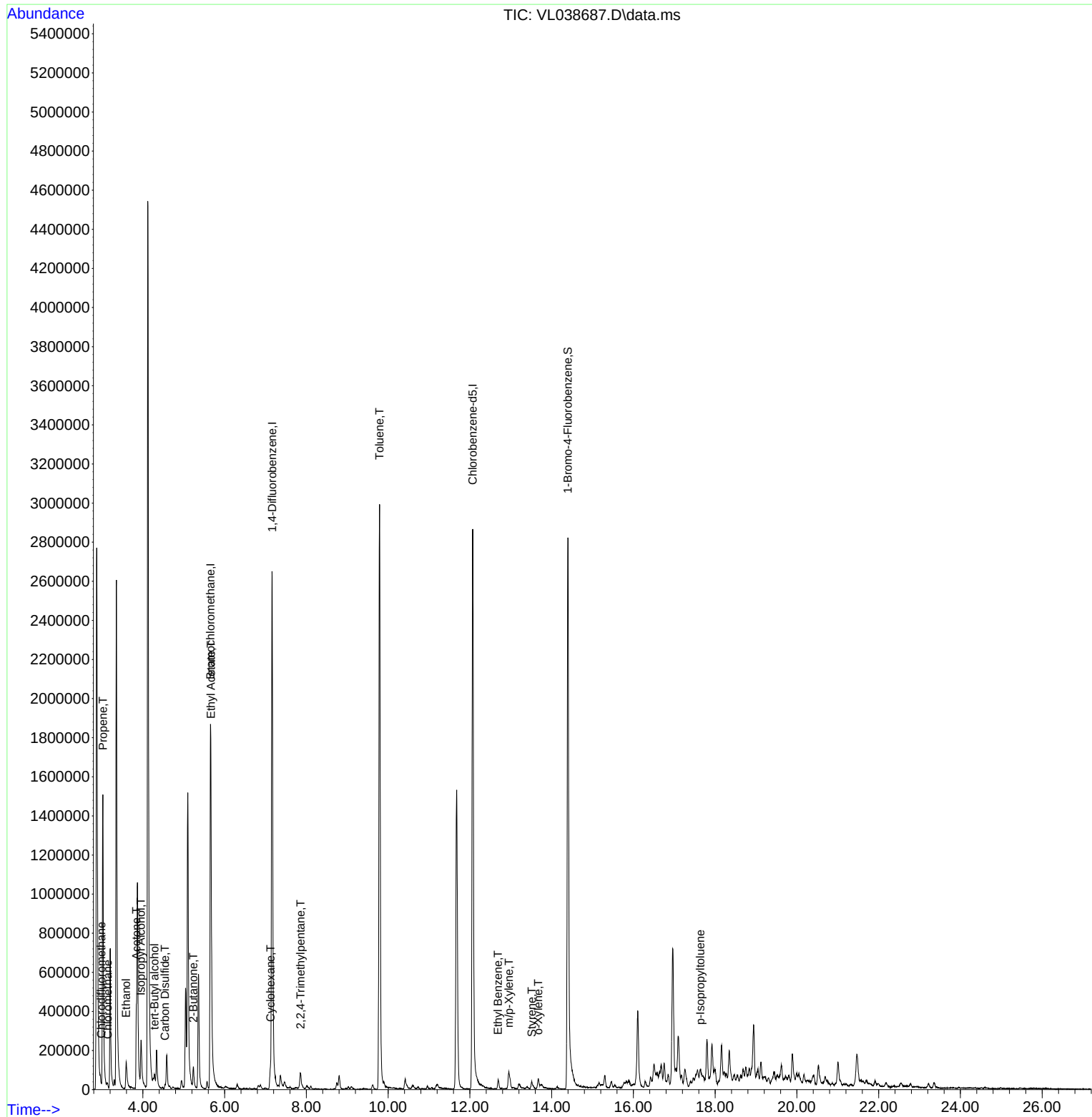
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
Data File : VL038687.D
Acq On : 22 Mar 2022 17:02
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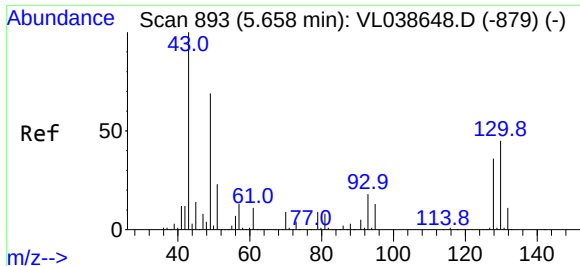
Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Quant Time: Mar 23 04:14:54 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Manual Integrations
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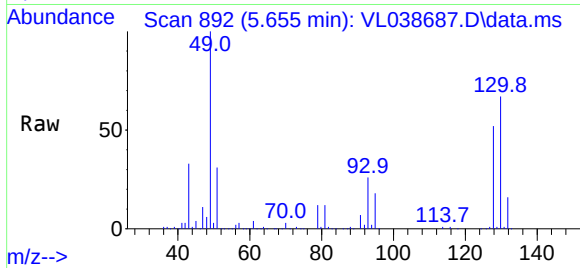
Reviewed By : Semsettin Yesilyurt 03/23/2022
Supervised By : Mahesh Dadoda 03/25/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 893
Delta R.T. -0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

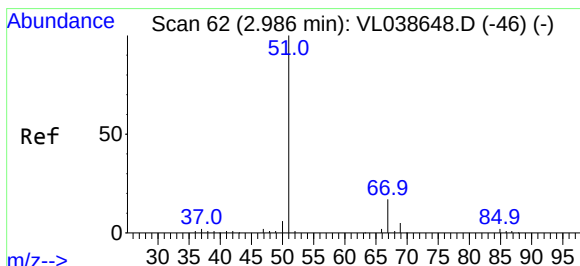
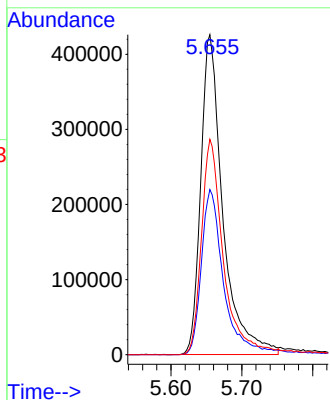
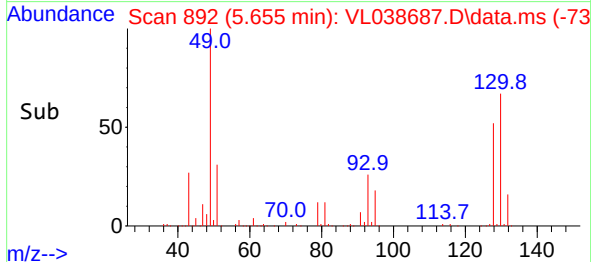
Instrument :
MSVOA_L
ClientSampleId :
COP72DL



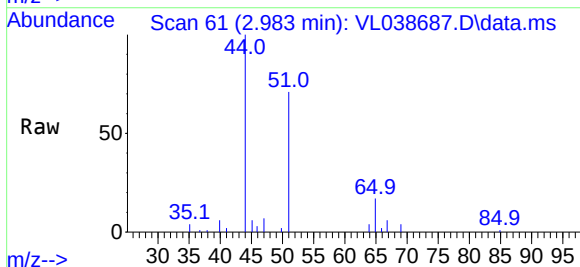
Tgt Ion: 49 Resp: 92150
Ion Ratio Lower Upper
49 100
128 54.0 26.2 78.6
130 69.4 33.7 101.1

Manual Integrations
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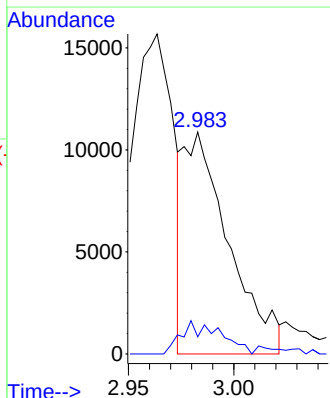
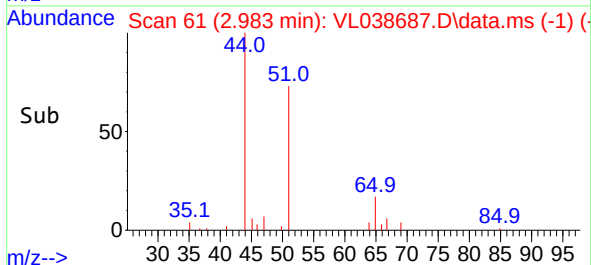
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Supervised By :Mahesh Dadoda 03/25/2022

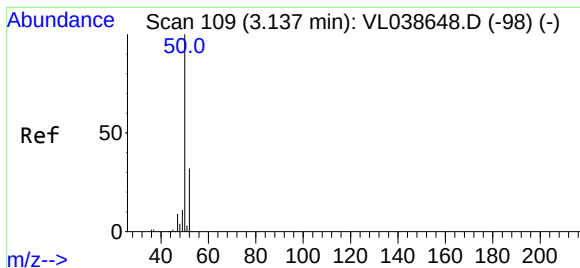


#3
Chlorodifluoromethane
Concen: 0.167 ppbv m
RT: 2.983 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02



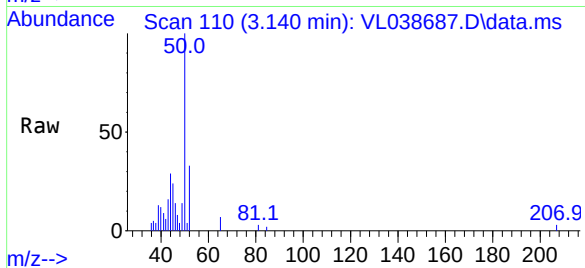
Tgt Ion: 51 Resp: 16275
Ion Ratio Lower Upper
51 100
67 0.0 14.1 21.1#





#4
Chloromethane
Concen: 0.345 ppbv
RT: 3.140 min Scan# 110
Delta R.T. 0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

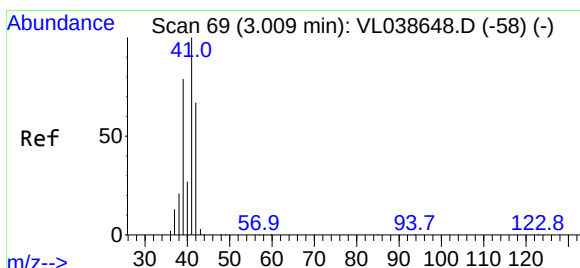
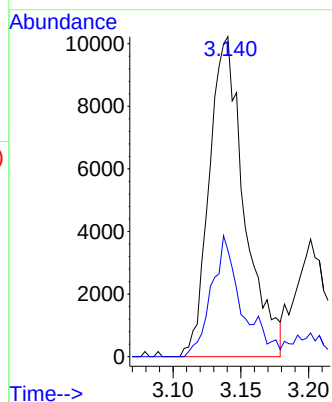
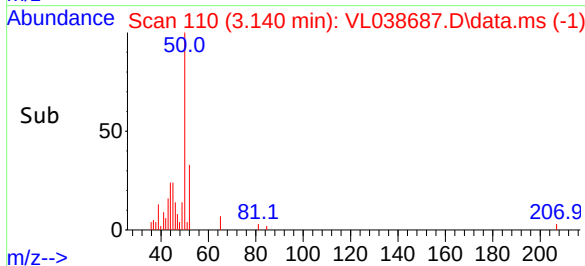
Instrument :
MSVOA_L
ClientSampleId :
COP72DL



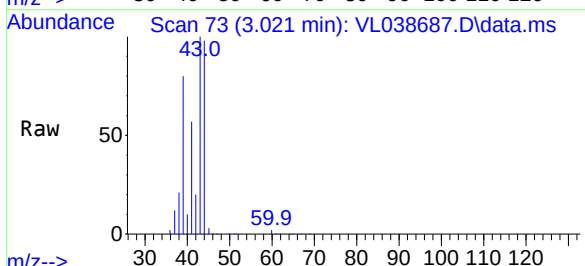
Tgt Ion: 50 Resp: 18449
Ion Ratio Lower Upper
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52 33.3 25.5 38.3

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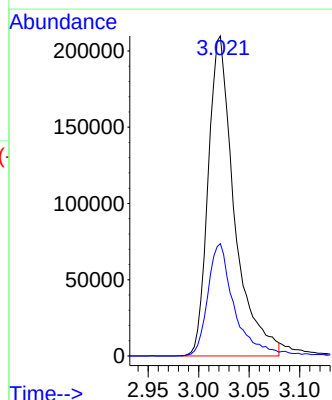
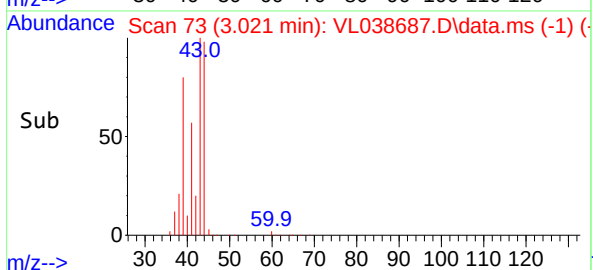
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

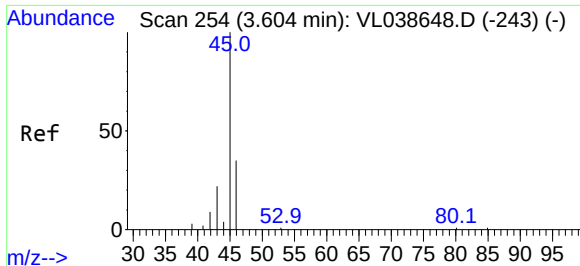


#9
Propene
Concen: 8.038 ppbv m
RT: 3.021 min Scan# 73
Delta R.T. 0.013 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02



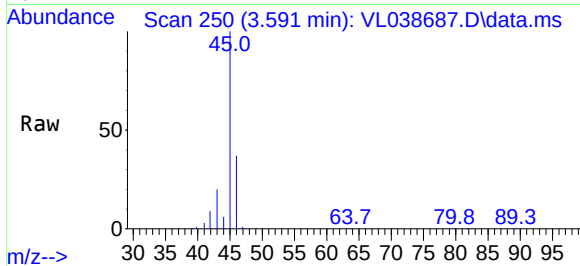
Tgt Ion: 41 Resp: 377680
Ion Ratio Lower Upper
41 100
42 47.5 56.2 84.4#





#13
Ethanol
Concen: 39.892 ppbv
RT: 3.591 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

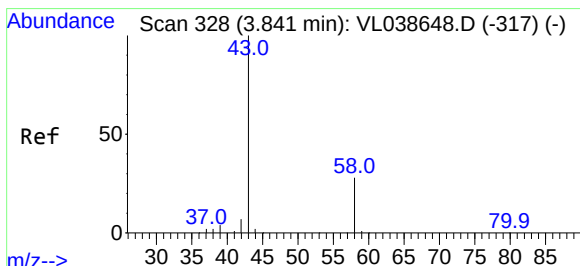
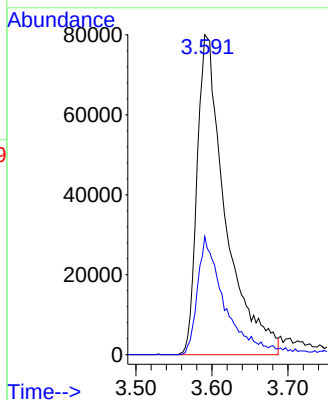
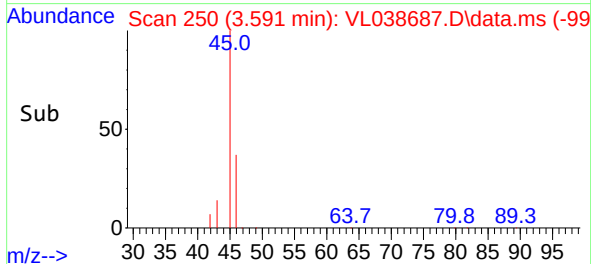
Instrument :
MSVOA_L
ClientSampleId :
COP72DL



Tgt Ion: 45 Resp: 20676
Ion Ratio Lower Upper
45 100
46 36.6 15.1 60.5

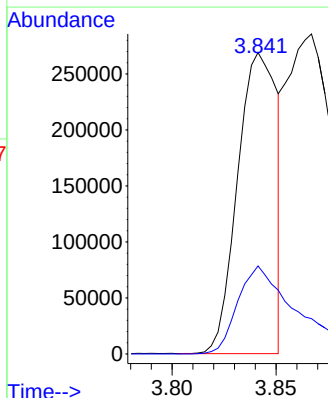
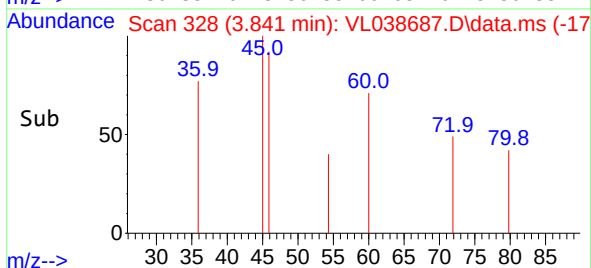
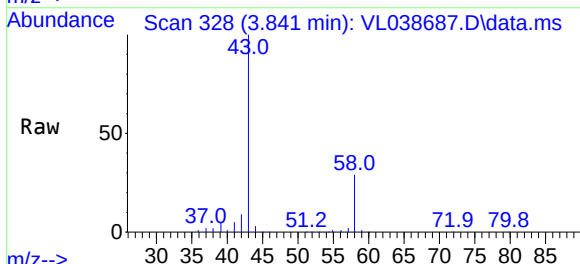
Manual Integrations
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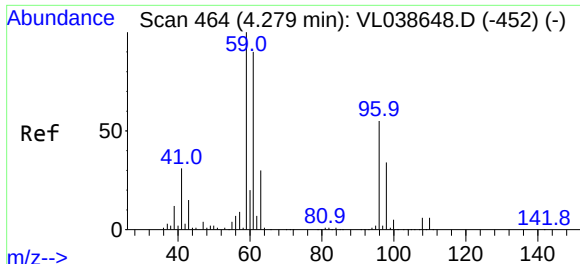
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#15
Acetone
Concen: 4.430 ppbv
RT: 3.841 min Scan# 328
Delta R.T. -0.000 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

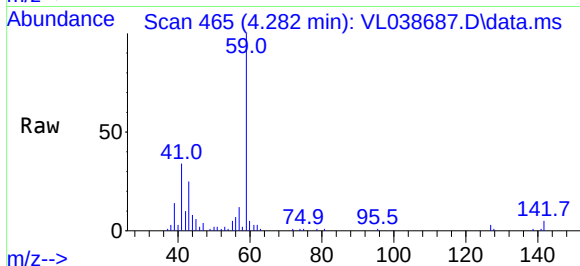
Tgt Ion: 43 Resp: 352264
Ion Ratio Lower Upper
43 100
58 48.3 23.3 34.9





#17
tert-Butyl alcohol
Concen: 0.807 ppbv
RT: 4.282 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

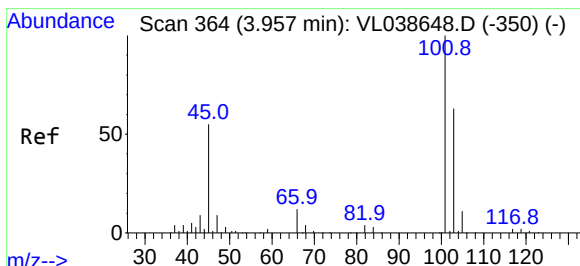
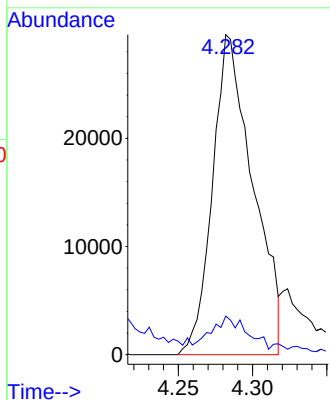
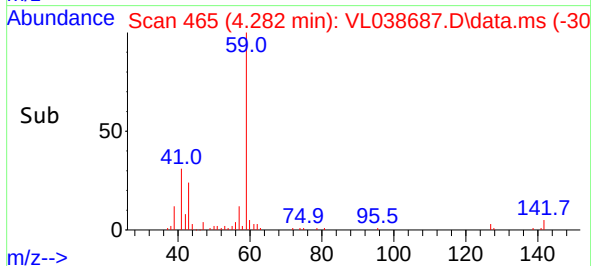
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ClientSampleId :
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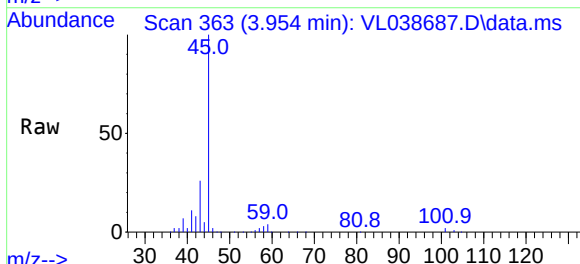
Tgt Ion: 59 Resp: 56034
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2

Manual Integrations
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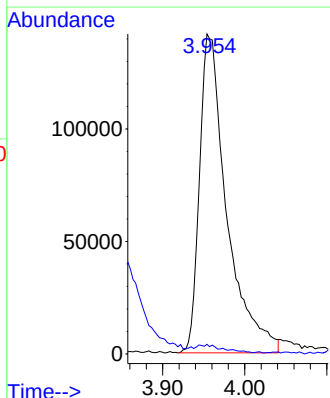
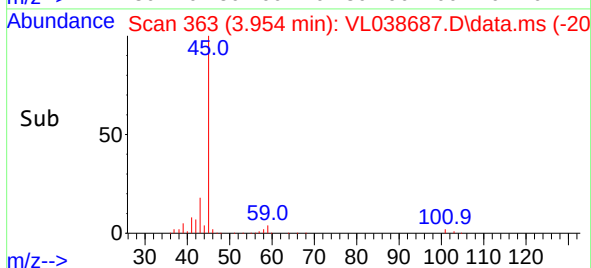
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

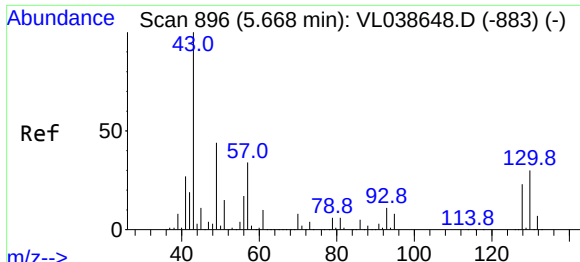


#19
Isopropyl Alcohol
Concen: 7.413 ppbv
RT: 3.954 min Scan# 363
Delta R.T. -0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02



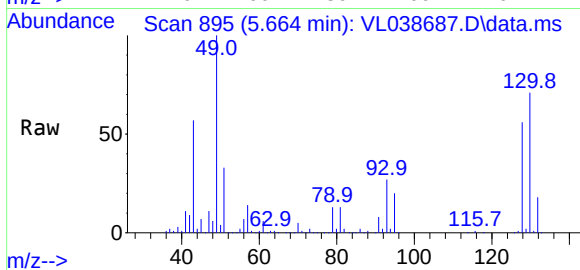
Tgt Ion: 45 Resp: 326806
Ion Ratio Lower Upper
45 100
58 2.6 2.3 3.5





#25
Ethyl Acetate
Concen: 2.121 ppbv
RT: 5.664 min Scan# 896
Delta R.T. -0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

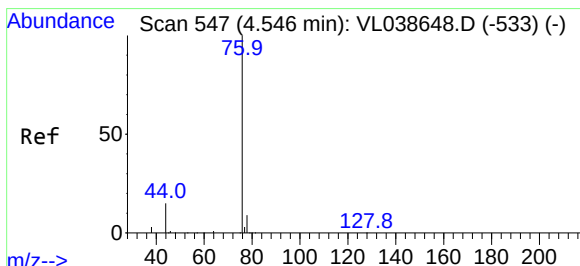
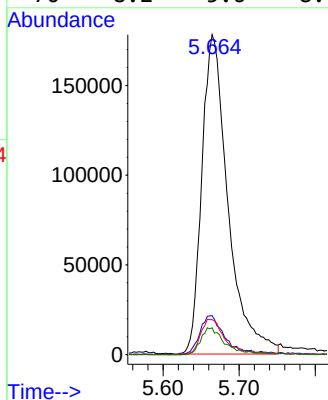
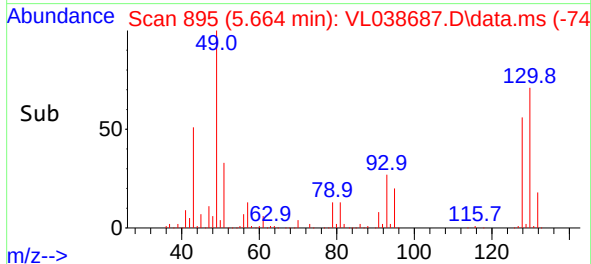
Instrument :
MSVOA_L
ClientSampleId :
COP72DL



Tgt Ion: 43 Resp: 424627
Ion Ratio Lower Upper
43 100
45 12.7 8.2 12.4#
61 11.0 8.3 12.5#
70 8.2 5.6 8.4#

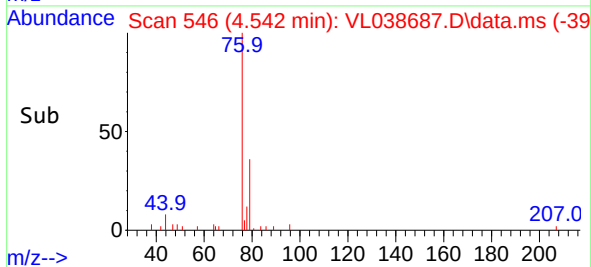
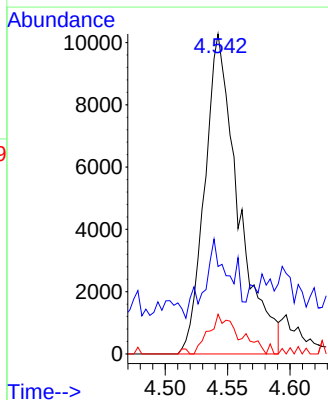
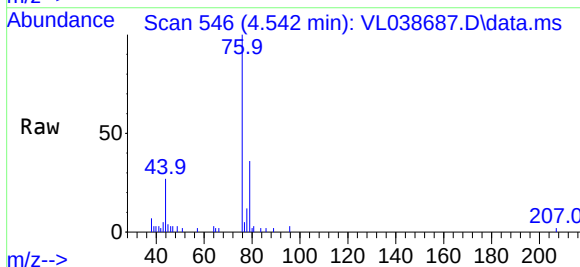
Manual Integrations
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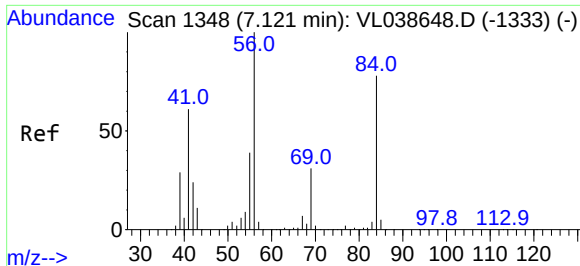
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#27
Carbon Disulfide
Concen: 0.219 ppbv
RT: 4.542 min Scan# 546
Delta R.T. -0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

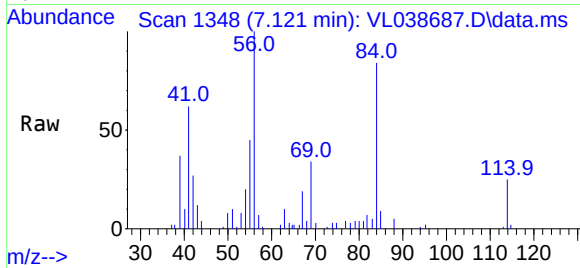
Tgt Ion: 76 Resp: 19218
Ion Ratio Lower Upper
76 100
44 0.0 12.4 18.6#
78 13.1 7.8 11.8#





#30
Cyclohexane
Concen: 0.519 ppbv m
RT: 7.121 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

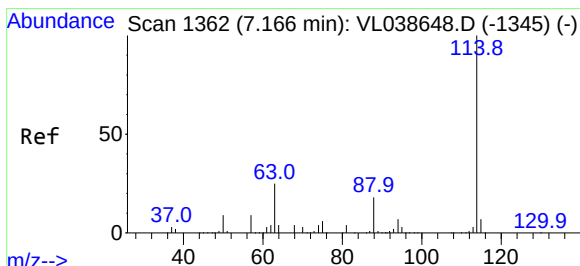
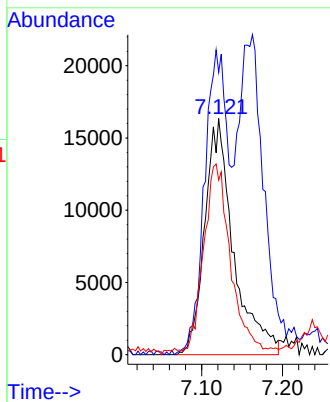
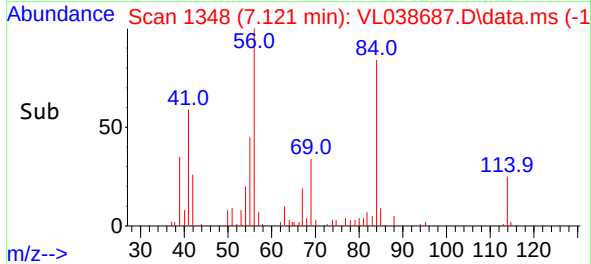
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COP72DL



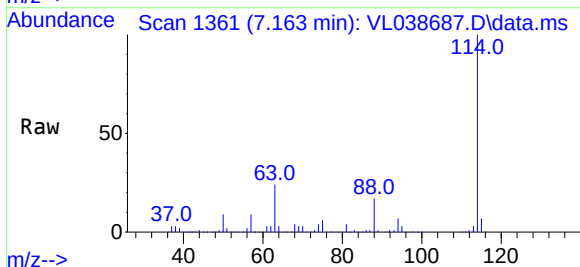
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Ion Ratio Lower Upper
84 100
56 105.6 108.2 162.4
41 78.1 61.8 92.6

Manual Integrations
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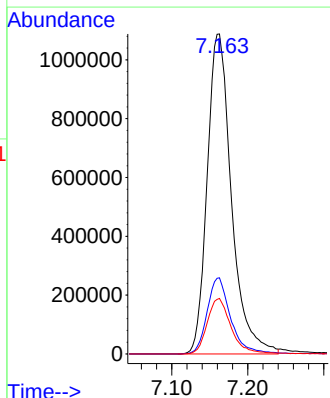
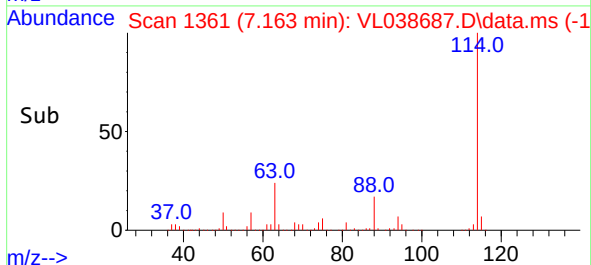
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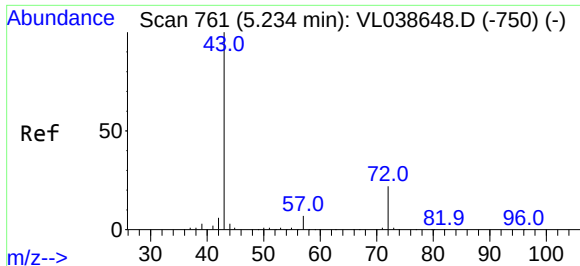


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02



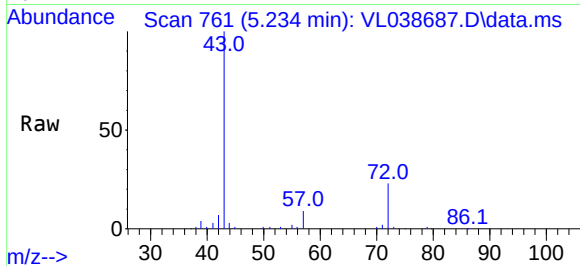
Tgt Ion:114 Resp: 2413056
Ion Ratio Lower Upper
114 100
63 23.3 19.4 29.0
88 17.3 13.9 20.9





#34
2-Butanone
Concen: 1.343 ppbv
RT: 5.234 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

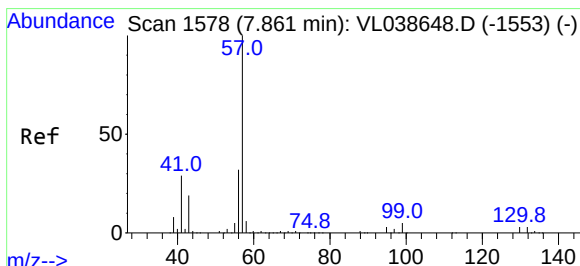
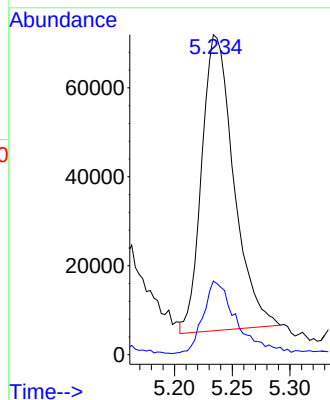
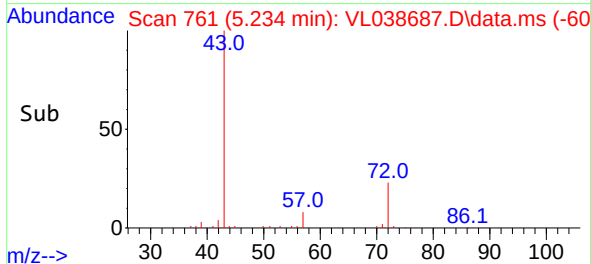
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MSVOA_L
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COP72DL



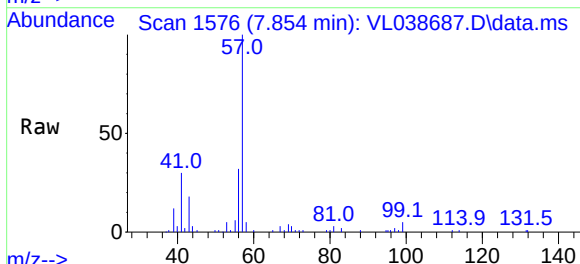
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Ion Ratio Lower Upper
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72 27.5 17.8 26.8

Manual Integrations
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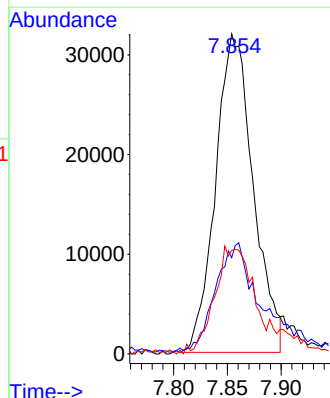
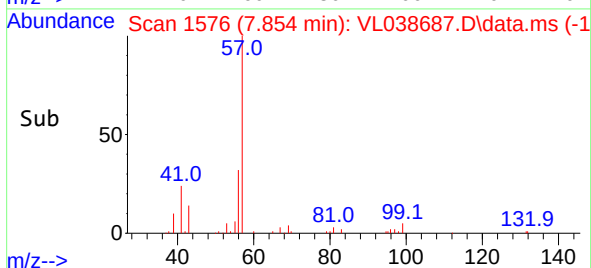
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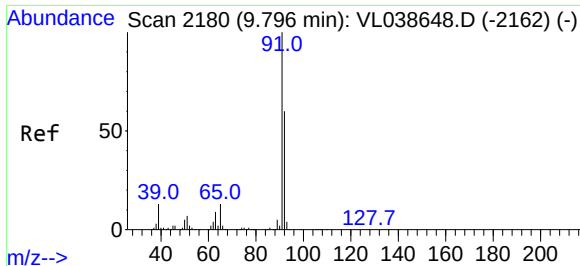


#44
2,2,4-Trimethylpentane
Concen: 0.249 ppbv
RT: 7.854 min Scan# 1576
Delta R.T. -0.007 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02



Tgt Ion: 57 Resp: 77825
Ion Ratio Lower Upper
57 100
41 44.3 23.0 34.4#
56 40.5 25.3 37.9#





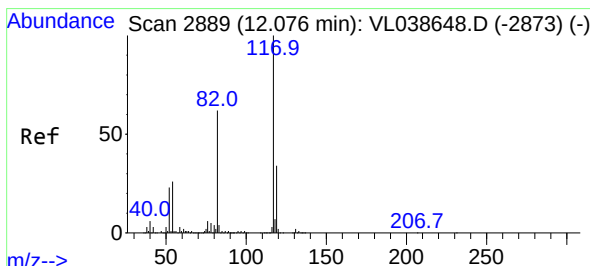
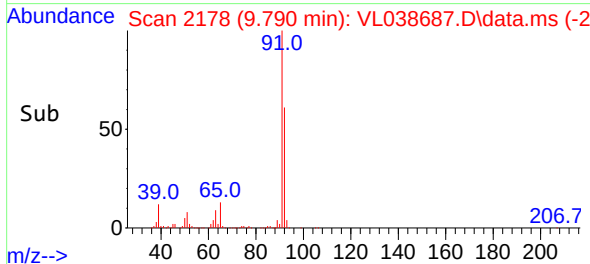
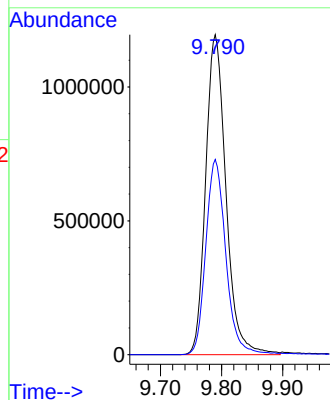
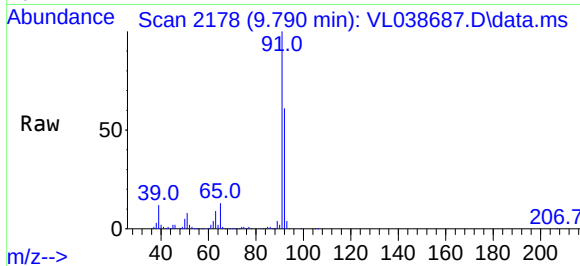
#53
Toluene
Concen: 13.758 ppbv
RT: 9.790 min Scan# 2180
Delta R.T. -0.007 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
COP72DL

Tgt Ion: 91 Resp: 2753072
Ion Ratio Lower Upper
91 100
92 61.1 48.7 73.1

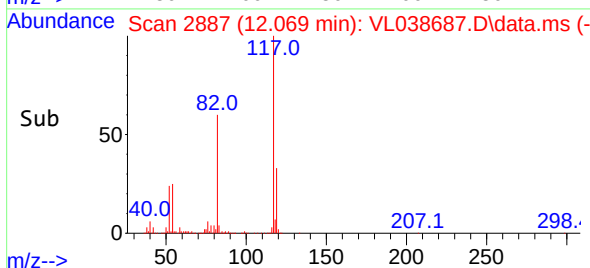
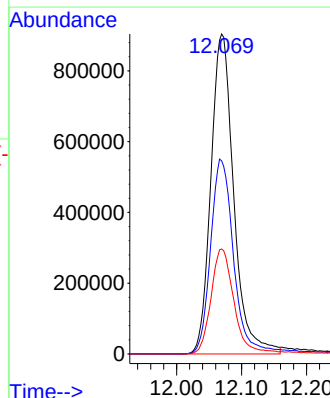
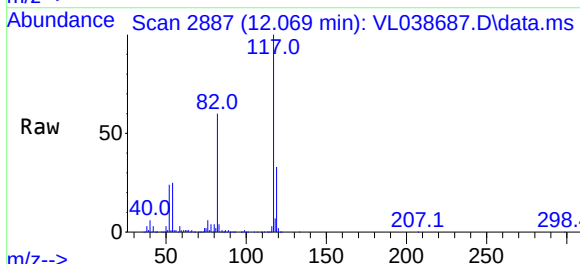
Manual Integrations
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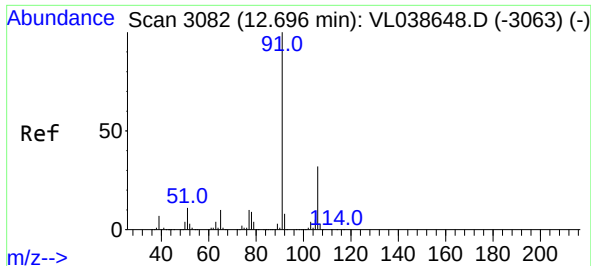
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.069 min Scan# 2887
Delta R.T. -0.007 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

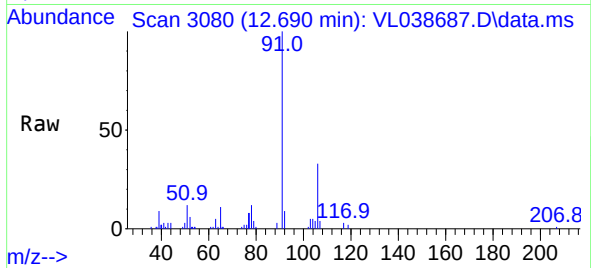
Tgt Ion:117 Resp: 2209736
Ion Ratio Lower Upper
117 100
82 63.1 51.6 77.4
119 33.9 26.9 40.3





#58
Ethyl Benzene
Concen: 0.170 ppbv m
RT: 12.690 min Scan# 3082
Delta R.T. -0.007 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

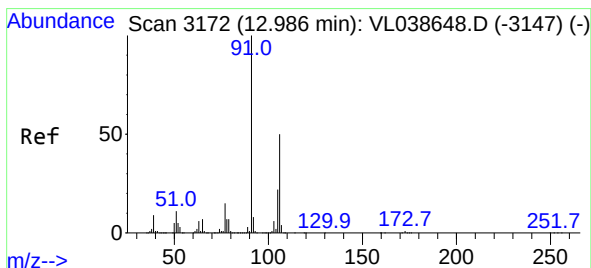
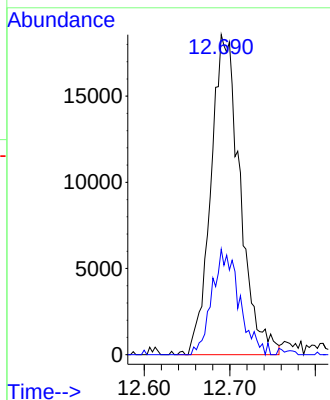
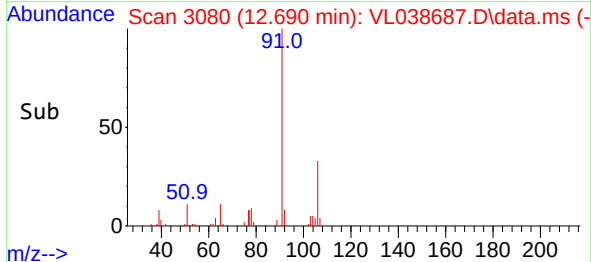
Instrument :
MSVOA_L
ClientSampleId :
COP72DL



Tgt Ion: 91 Resp: 43998
Ion Ratio Lower Upper
91 100
106 33.0 25.4 38.0

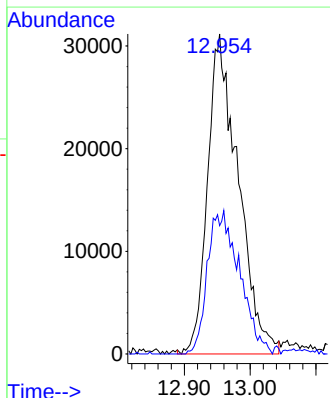
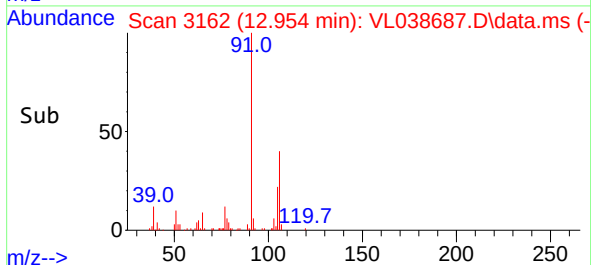
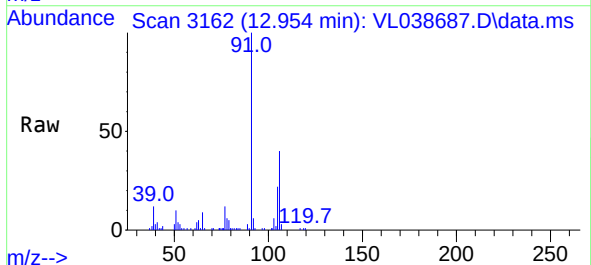
Manual Integrations
APPROVED

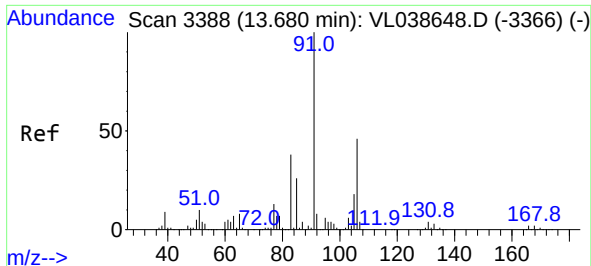
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#59
m/p-Xylene
Concen: 0.445 ppbv m
RT: 12.954 min Scan# 3162
Delta R.T. -0.032 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

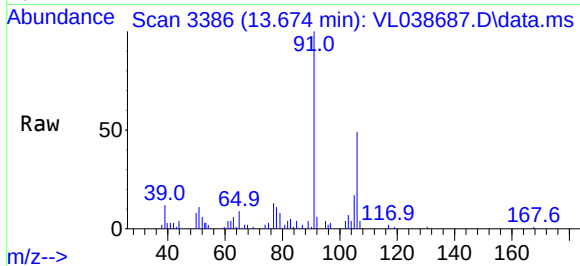
Tgt Ion: 91 Resp: 100589
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#





#60
o-Xylene
Concen: 0.171 ppbv m
RT: 13.674 min Scan# 3386
Delta R.T. -0.007 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

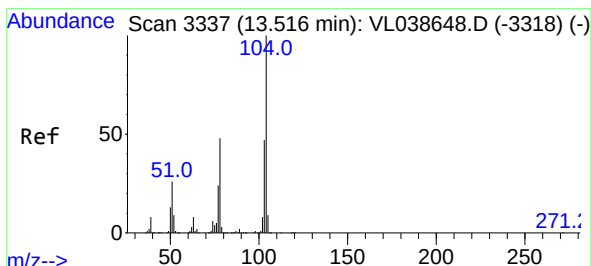
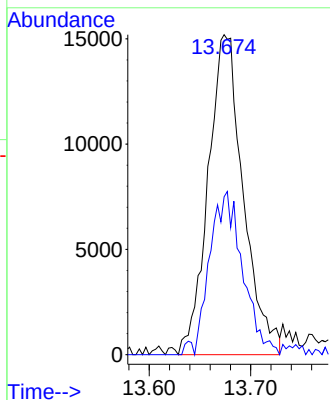
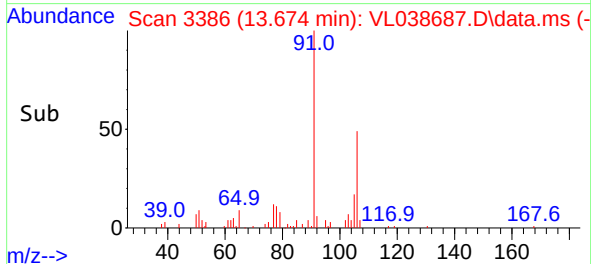
Instrument :
MSVOA_L
ClientSampleId :
COP72DL



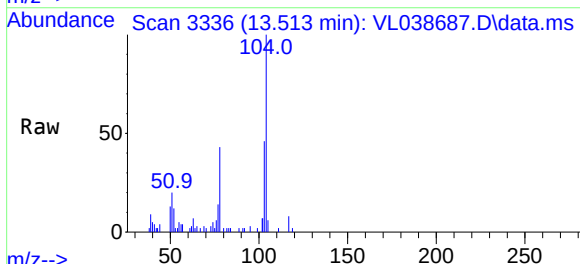
Tgt Ion: 91 Resp: 3662
Ion Ratio Lower Upper
91 100
106 0.0 23.5 70.5

Manual Integrations
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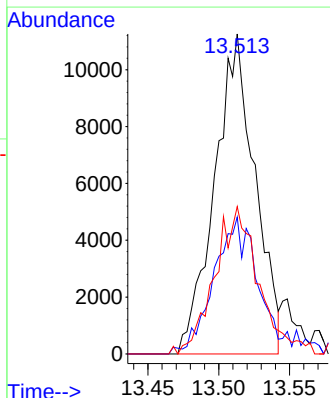
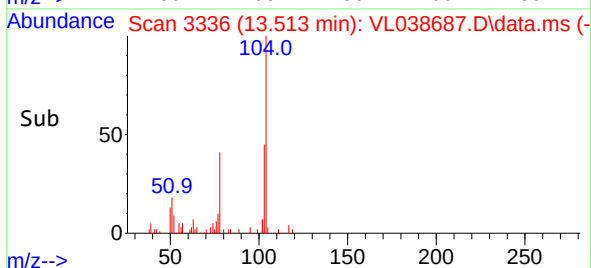
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

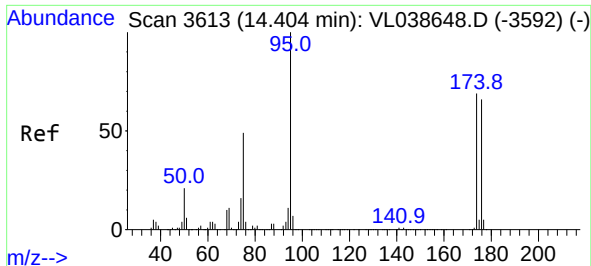


#61
Styrene
Concen: 0.192 ppbv
RT: 13.513 min Scan# 3336
Delta R.T. -0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02



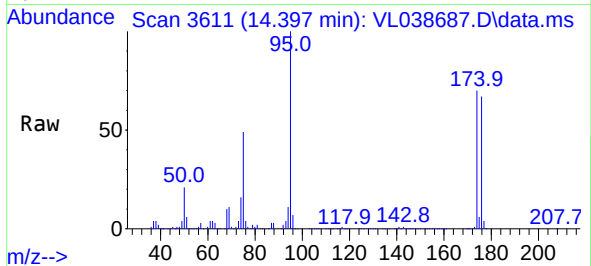
Tgt Ion:104 Resp: 22338
Ion Ratio Lower Upper
104 100
78 50.8 39.0 58.4
103 50.8 37.8 56.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.552 ppbv
RT: 14.397 min Scan# 3611
Delta R.T. -0.007 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

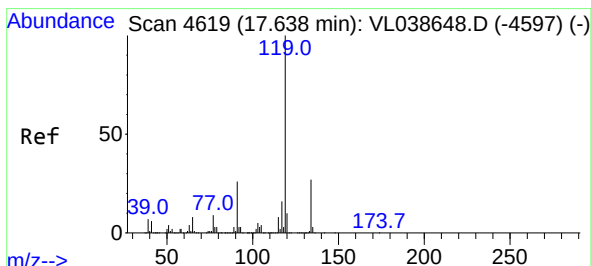
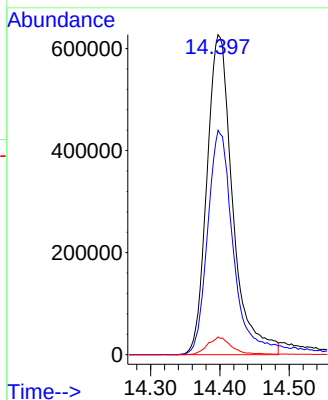
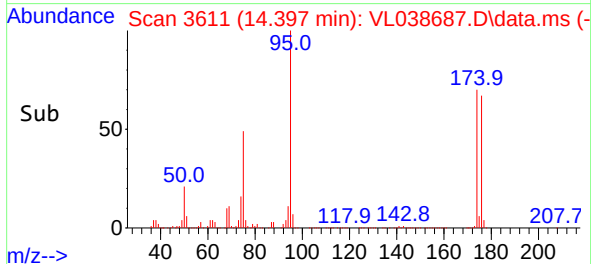
Instrument :
MSVOA_L
ClientSampleId :
COP72DL



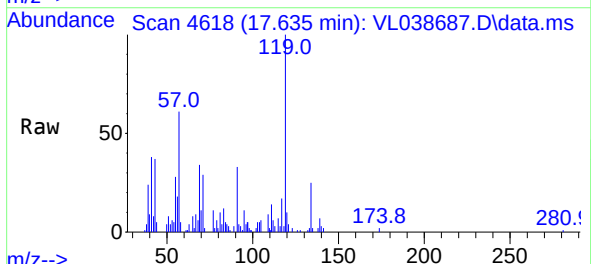
Tgt Ion: 95 Resp: 1618336
Ion Ratio Lower Upper
95 100
174 73.6 56.1 84.1
175 5.2 4.2 6.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#69
p-Isopropyltoluene
Concen: 0.096 ppbv
RT: 17.635 min Scan# 4618
Delta R.T. -0.003 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02



Tgt Ion:119 Resp: 32336
Ion Ratio Lower Upper
119 100
134 29.1 21.2 31.8
91 35.1 21.4 32.2#

