

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038468.D
 Acq On : 2 Mar 2022 2:15
 Operator : SY/AP
 Sample : N1723-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FSG3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 03:11:19 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	904797	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	2240780	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.089	117	1940132	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	1540637	9.597	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
9) Propene	3.031	41	128578	2.437	ppbv	85
10) Heptane	8.124	43	27943	0.218	ppbv	96
13) Ethanol	3.613	45	42155m	8.007	ppbv	
15) Acetone	3.851	43	2151977	27.968	ppbv	99
17) tert-Butyl alcohol	4.317	59	16087	0.210	ppbv #	66
19) Isopropyl Alcohol	4.012	45	20501m	0.460	ppbv	
20) Methylene Chloride	4.349	84	19514	0.512	ppbv	96
26) Hexane	5.697	57	54642	0.584	ppbv #	46
27) Carbon Disulfide	4.555	76	17441m	0.167	ppbv	
30) Cyclohexane	7.131	84	22784m	0.298	ppbv	
34) 2-Butanone	5.259	43	109261	1.550	ppbv	92
36) Benzene	6.890	78	73771	0.374	ppbv #	95
44) 2,2,4-Trimethylpentane	7.877	57	55852m	0.165	ppbv	
53) Toluene	9.809	91	220368	1.029	ppbv	97
58) Ethyl Benzene	12.719	91	36242m	0.137	ppbv	
59) m/p-Xylene	12.970	91	74088m	0.325	ppbv	
60) o-Xylene	13.693	91	21220	0.099	ppbv	89
62) Isopropylbenzene	14.671	105	625372	2.163	ppbv	99

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

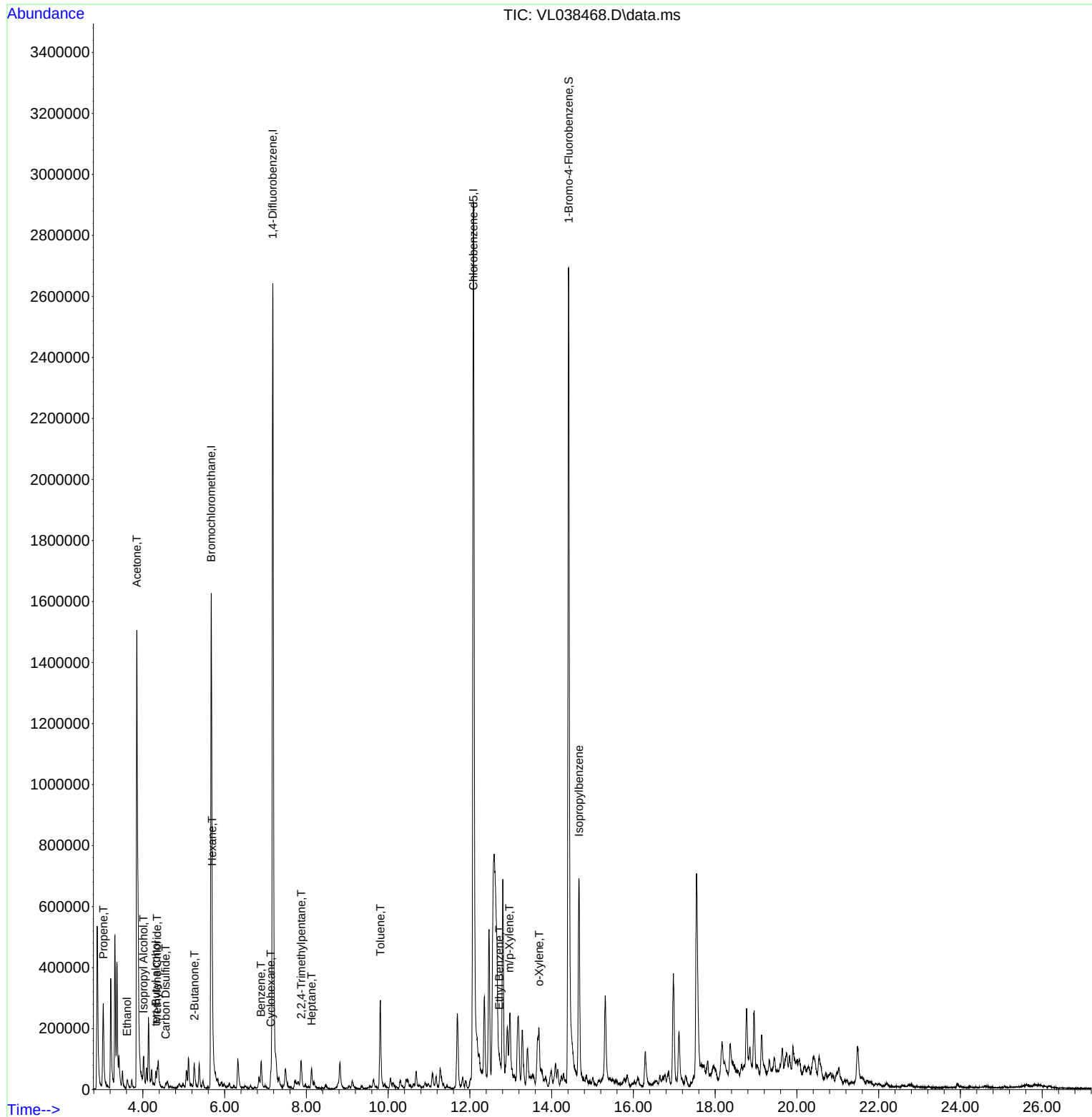
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
Data File : VL038468.D
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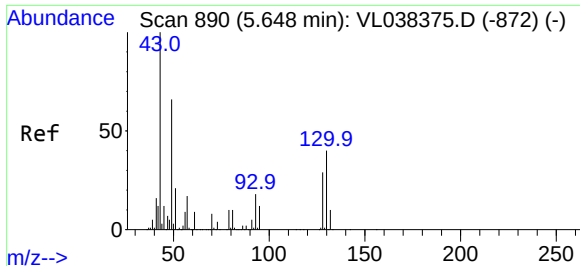
Instrument :
MSVOA_L
ClientSampleId :
FSG3DL

Quant Time: Mar 02 03:11:19 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

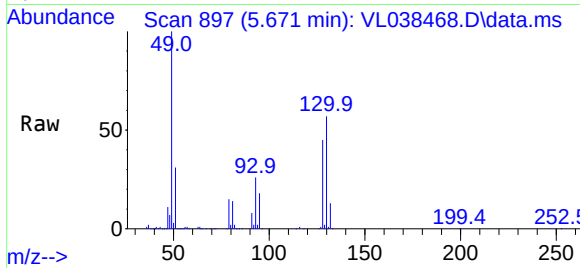
Reviewed By : Semsettin Yesilyurt 03/02/2022
Supervised By : Mahesh Dadoda 03/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.023 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

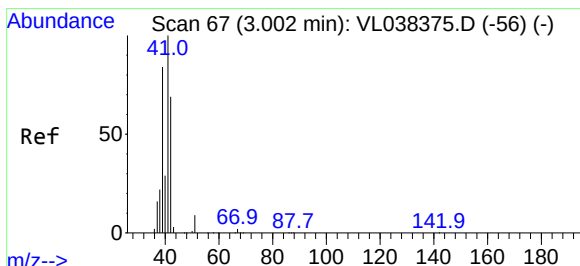
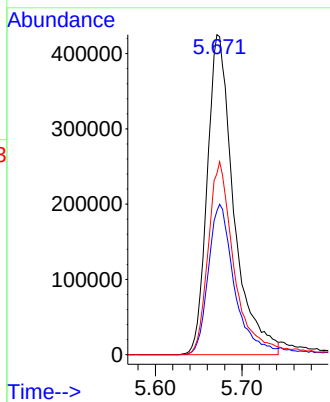
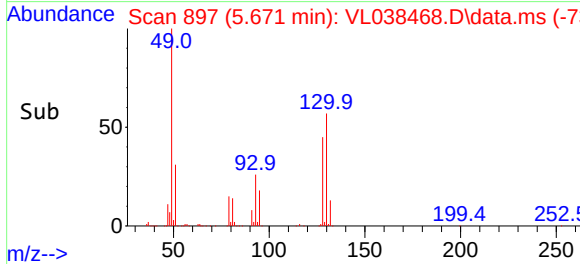
Instrument :
MSVOA_L
ClientSampleId :
FSG3DL



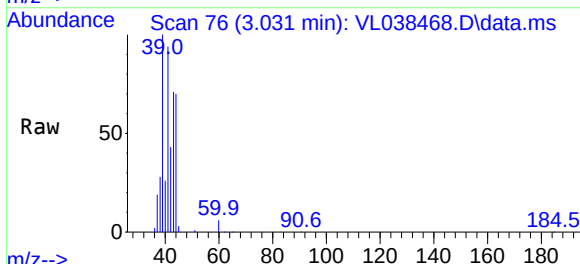
Tgt Ion: 49 Resp: 90479
Ion Ratio Lower Upper
49 100
128 48.4 24.3 72.9
130 62.0 30.1 90.5

Manual Integrations
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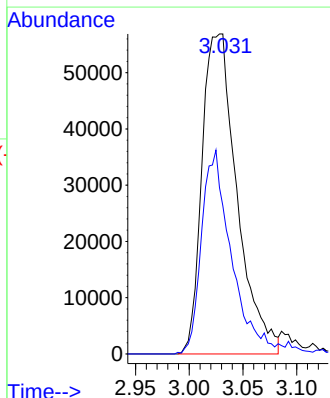
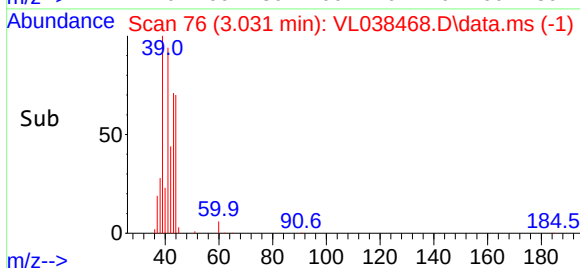
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

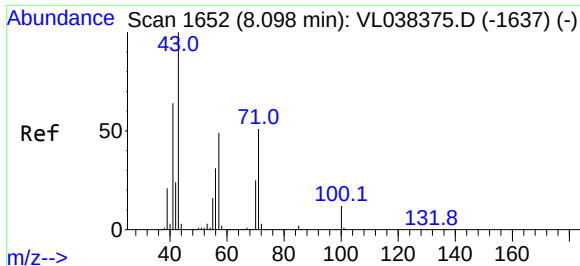


#9
Propene
Concen: 2.437 ppbv
RT: 3.031 min Scan# 76
Delta R.T. 0.029 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15



Tgt Ion: 41 Resp: 128578
Ion Ratio Lower Upper
41 100
42 56.3 54.6 82.0





#10

Heptane

Concen: 0.218 ppbv

RT: 8.124 min Scan# 1

Delta R.T. 0.026 min

Lab File: VL038468.D

Acq: 2 Mar 2022 2:15

Instrument :

MSVOA_L

ClientSampleId :

FSG3DL

Tgt Ion: 43 Resp: 2794

Ion Ratio Lower Upper

43 100

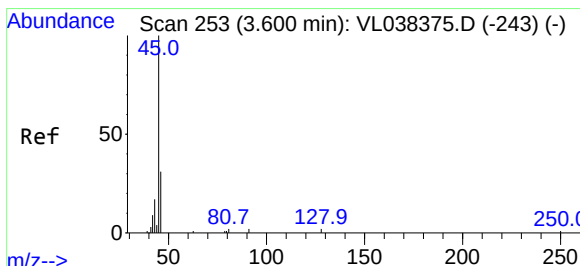
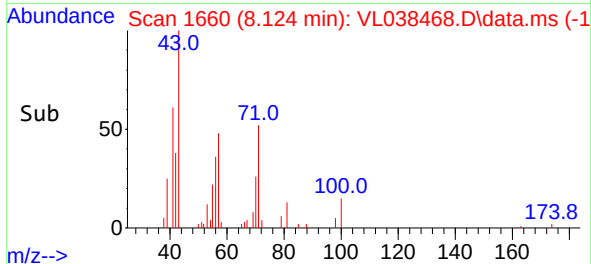
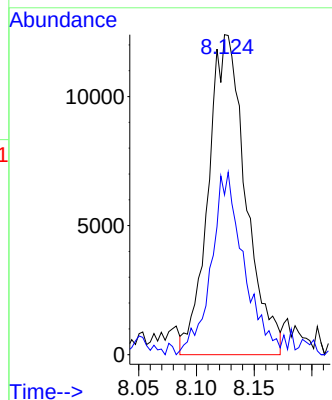
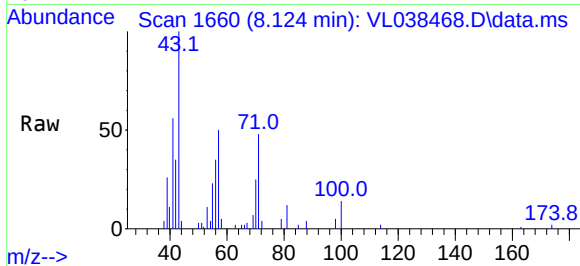
57 52.8 39.8 59.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#13

Ethanol

Concen: 8.007 ppbv m

RT: 3.613 min Scan# 257

Delta R.T. 0.013 min

Lab File: VL038468.D

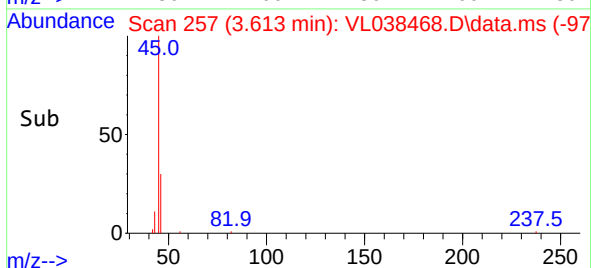
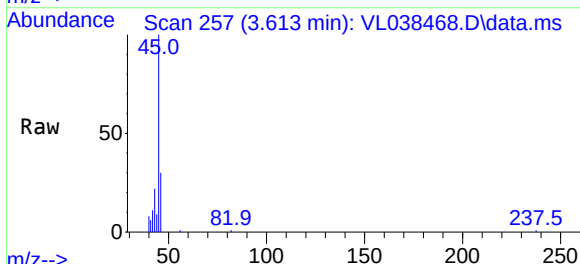
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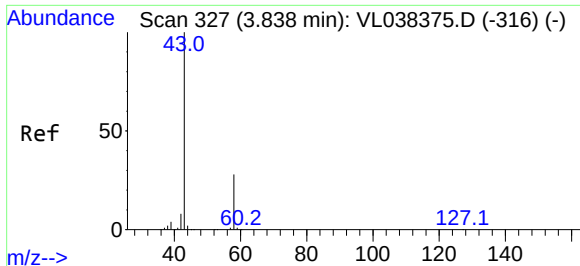
Tgt Ion: 45 Resp: 42155

Ion Ratio Lower Upper

45 100

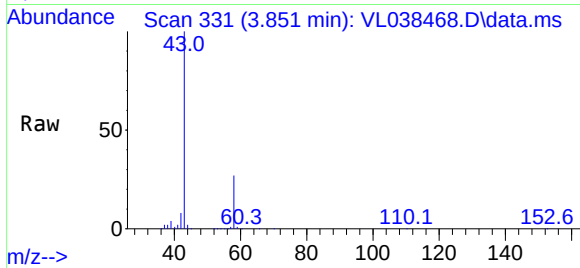
46 0.0 18.2 72.8#





#15
Acetone
Concen: 27.968 ppbv
RT: 3.851 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

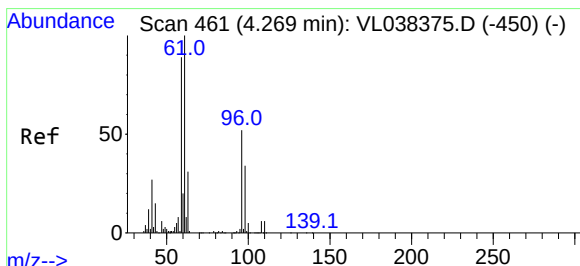
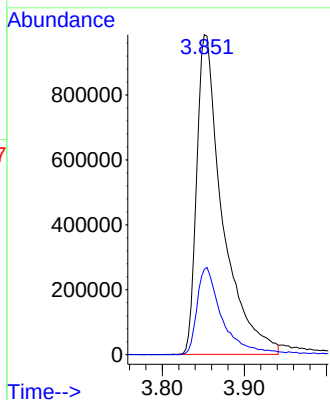
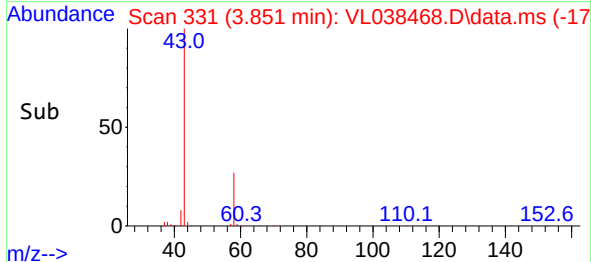
Instrument :
MSVOA_L
ClientSampleId :
FSG3DL



Tgt Ion: 43 Resp: 215197
Ion Ratio Lower Upper
43 100
58 27.5 21.7 32.5

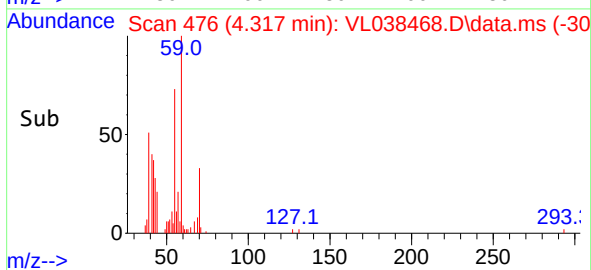
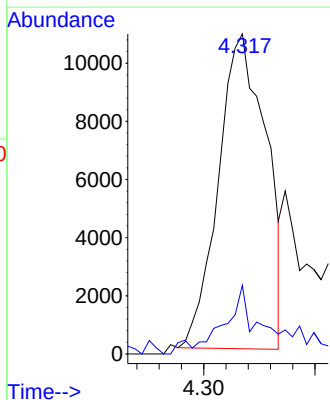
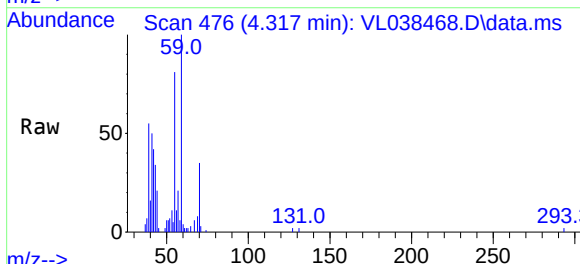
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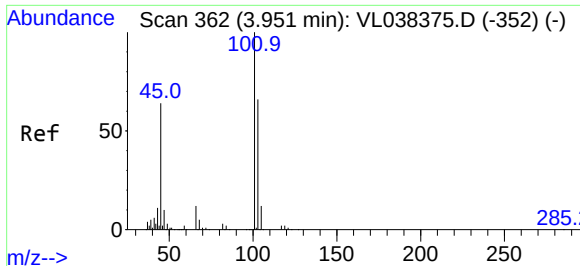
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#17
tert-Butyl alcohol
Concen: 0.210 ppbv
RT: 4.317 min Scan# 476
Delta R.T. 0.048 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

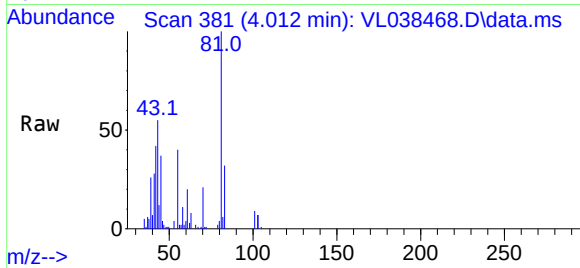
Tgt Ion: 59 Resp: 16087
Ion Ratio Lower Upper
59 100
57 23.4 8.4 12.6#





#19
Isopropyl Alcohol
Concen: 0.460 ppbv m
RT: 4.012 min Scan# 381
Delta R.T. 0.061 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

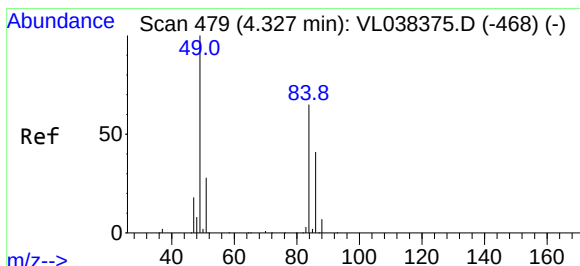
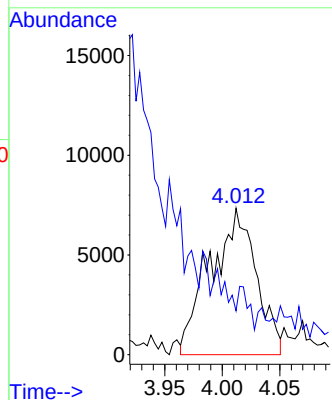
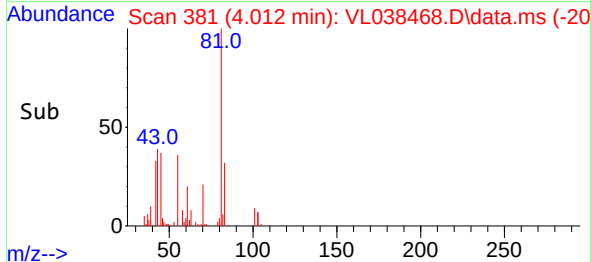
Instrument :
MSVOA_L
ClientSampleId :
FSG3DL



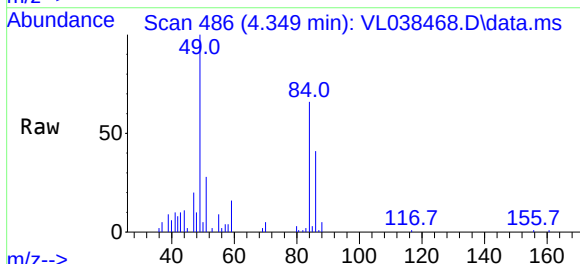
Tgt Ion: 45 Resp: 2050
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8

Manual Integrations
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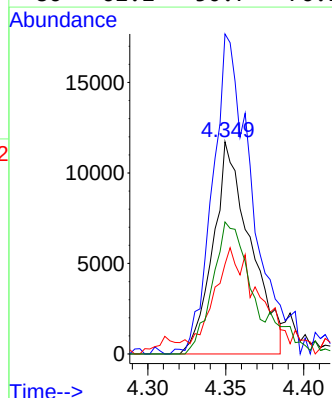
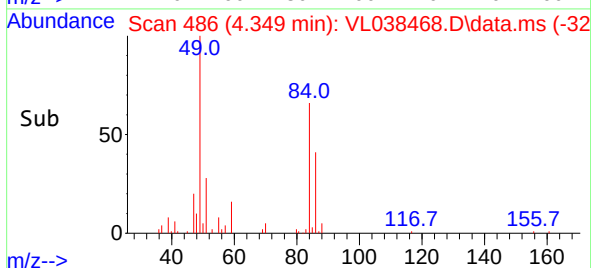
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

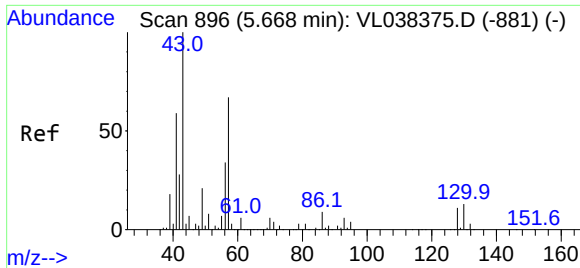


#20
Methylene Chloride
Concen: 0.512 ppbv
RT: 4.349 min Scan# 486
Delta R.T. 0.023 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15



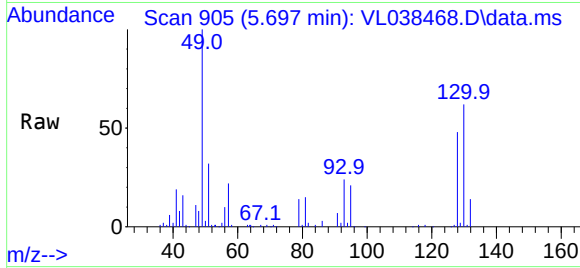
Tgt Ion: 84 Resp: 19514
Ion Ratio Lower Upper
84 100
49 148.6 122.4 183.6
51 37.0 33.3 49.9
86 62.2 50.7 76.1





#26
Hexane
Concen: 0.584 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.029 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

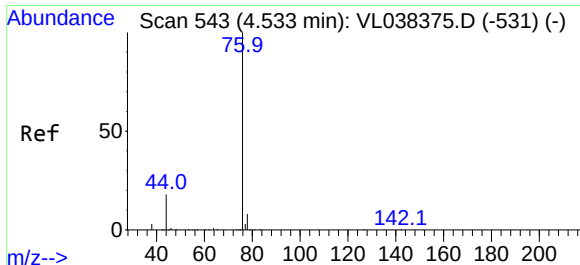
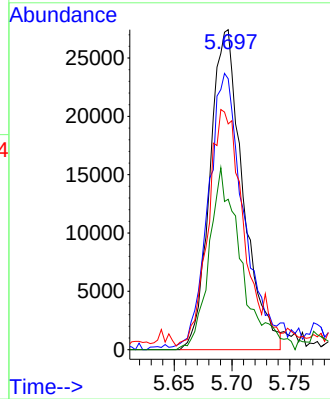
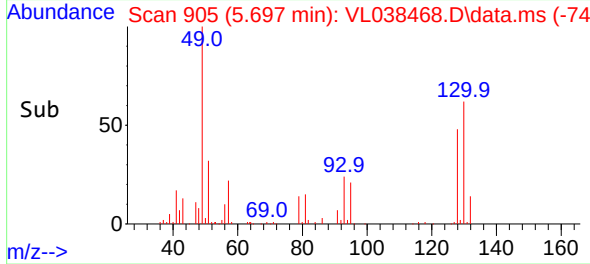
Instrument :
MSVOA_L
ClientSampleId :
FSG3DL



Tgt Ion: 57 Resp: 5464
Ion Ratio Lower Upper
57 100
41 94.7 73.1 109.7
43 84.4 181.0 271.4
56 56.2 43.4 65.0

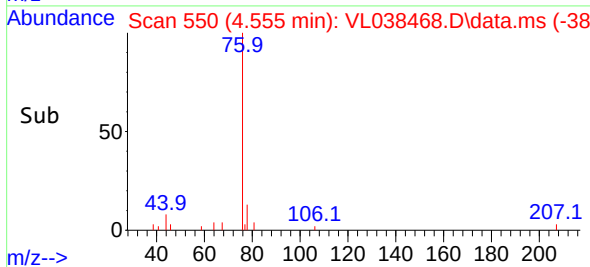
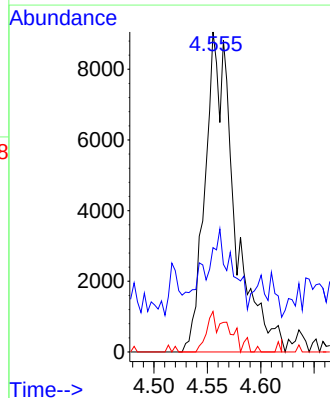
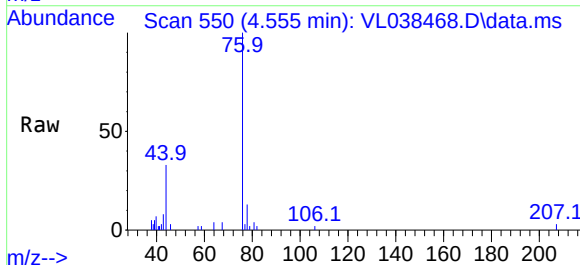
Manual Integrations
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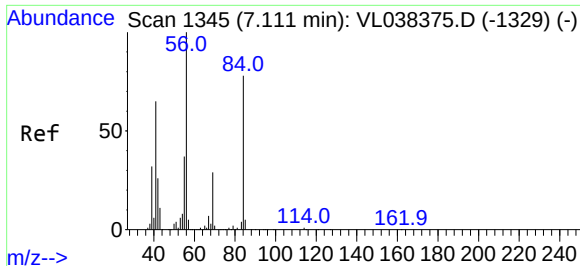
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#27
Carbon Disulfide
Concen: 0.167 ppbv m
RT: 4.555 min Scan# 550
Delta R.T. 0.023 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

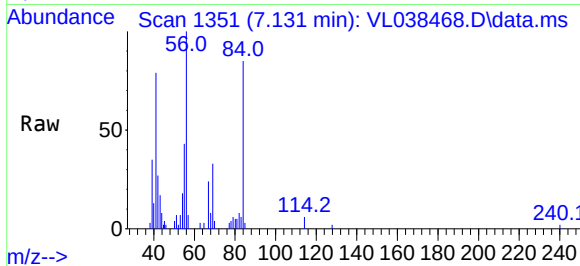
Tgt Ion: 76 Resp: 17441
Ion Ratio Lower Upper
76 100
44 0.0 14.2 21.2
78 9.9 7.8 11.6





#30
Cyclohexane
Concen: 0.298 ppbv m
RT: 7.131 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

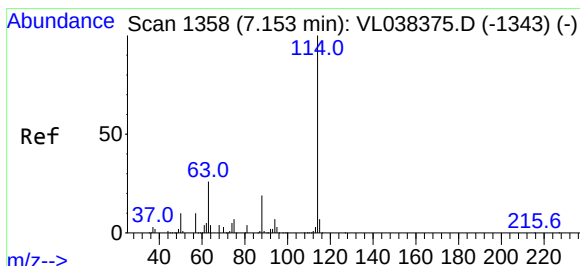
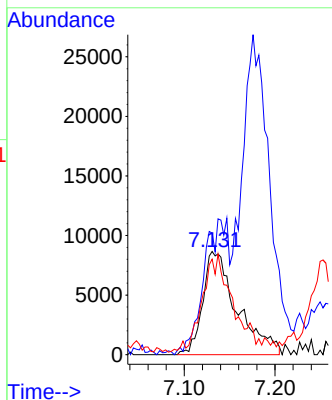
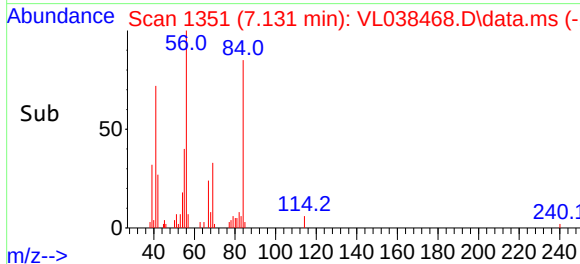
Instrument :
MSVOA_L
ClientSampleId :
FSG3DL



Tgt Ion: 84 Resp: 22784
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4
41 88.9 74.3 111.5

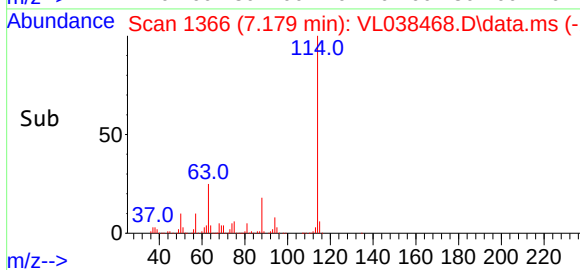
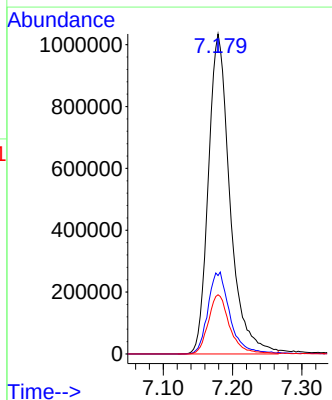
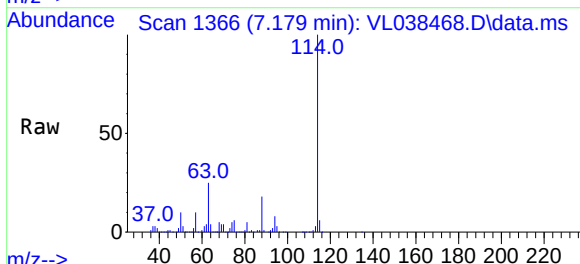
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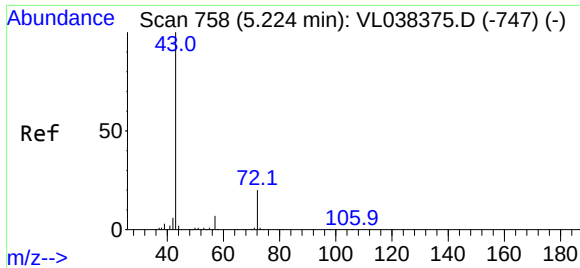
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.026 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

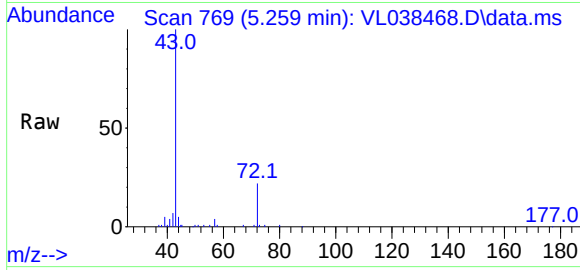
Tgt Ion:114 Resp: 2240780
Ion Ratio Lower Upper
114 100
63 26.5 22.2 33.2
88 18.6 15.2 22.8





#34
2-Butanone
Concen: 1.550 ppbv
RT: 5.259 min Scan# 70
Delta R.T. 0.036 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

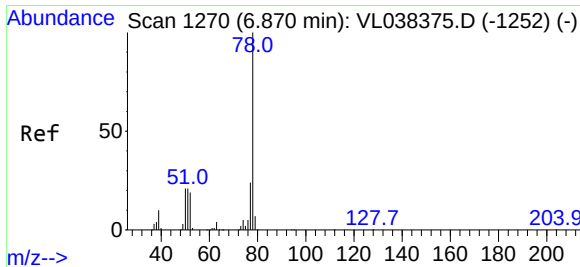
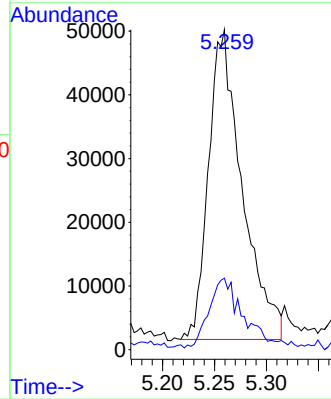
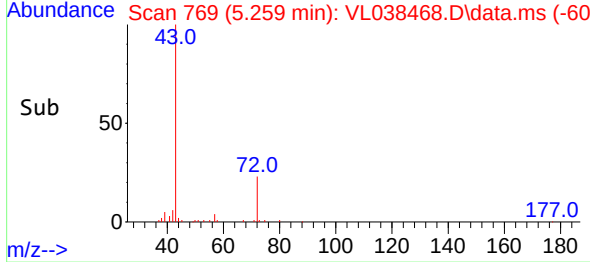
Instrument :
MSVOA_L
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FSG3DL



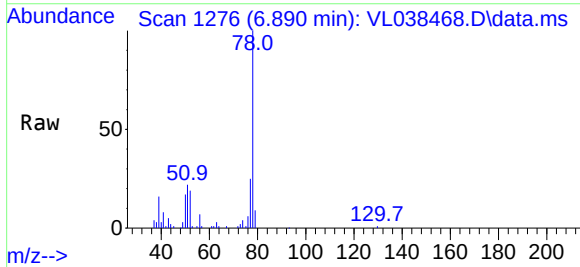
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Ion Ratio Lower Upper
43 100
72 25.4 17.4 26.2

Manual Integrations
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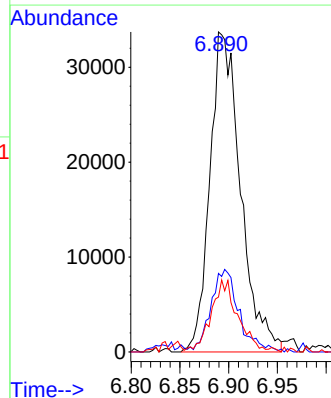
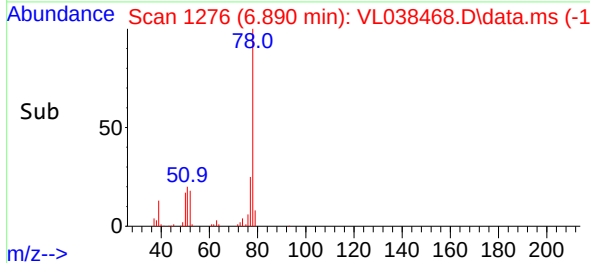
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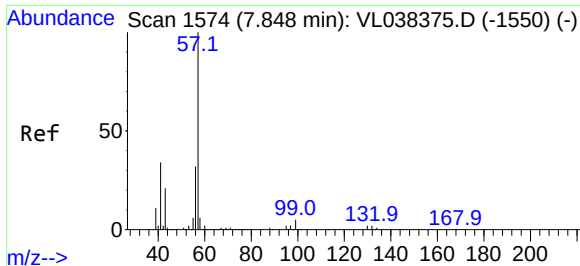


#36
Benzene
Concen: 0.374 ppbv
RT: 6.890 min Scan# 1276
Delta R.T. 0.019 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15



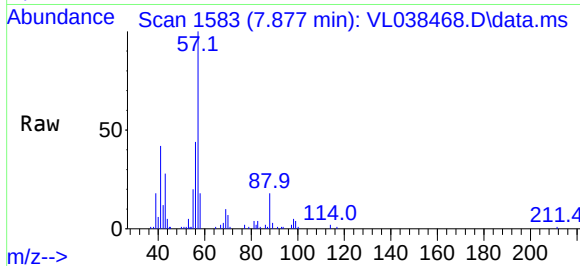
Tgt Ion: 78 Resp: 73771
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6
50 15.9 16.6 24.8





#44
2,2,4-Trimethylpentane
Concen: 0.165 ppbv m
RT: 7.877 min Scan# 1583
Delta R.T. 0.029 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

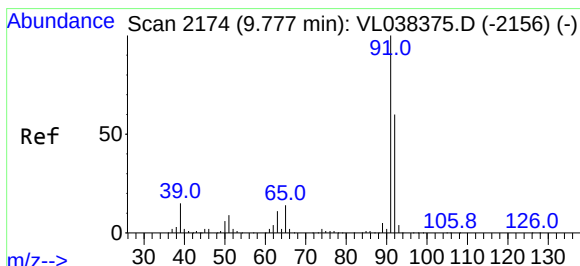
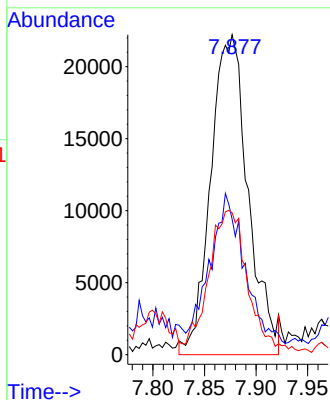
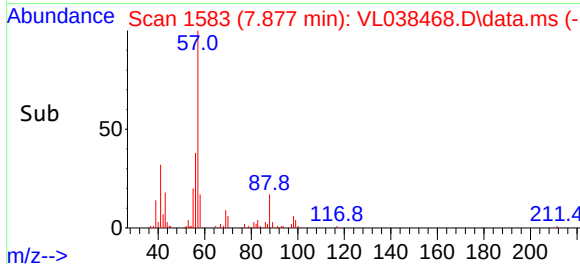
Instrument :
MSVOA_L
ClientSampleId :
FSG3DL



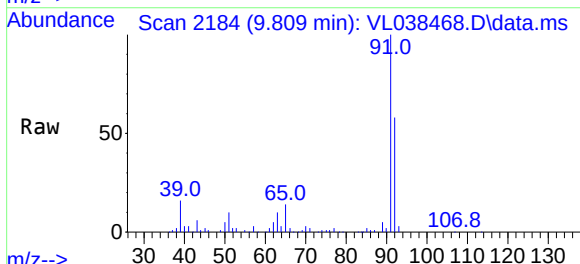
Tgt Ion: 57 Resp: 55852
Ion Ratio Lower Upper
57 100
41 0.0 26.6 39.8
56 48.6 25.0 37.6

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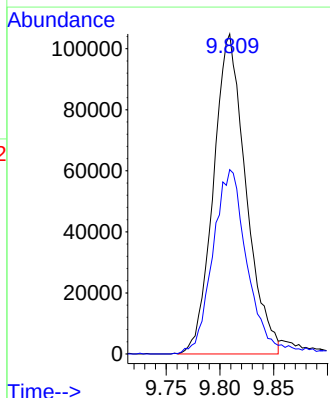
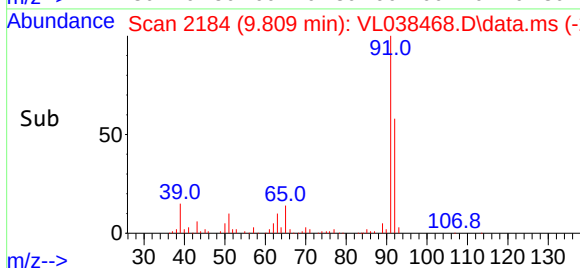
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

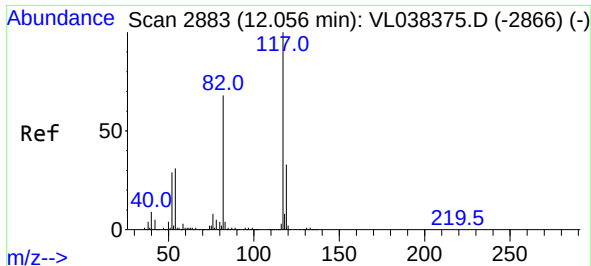


#53
Toluene
Concen: 1.029 ppbv
RT: 9.809 min Scan# 2184
Delta R.T. 0.032 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15



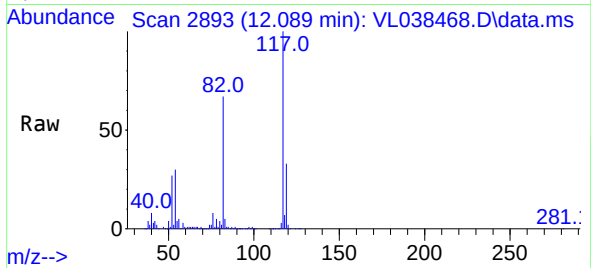
Tgt Ion: 91 Resp: 220368
Ion Ratio Lower Upper
91 100
92 62.4 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2194
Delta R.T. 0.032 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

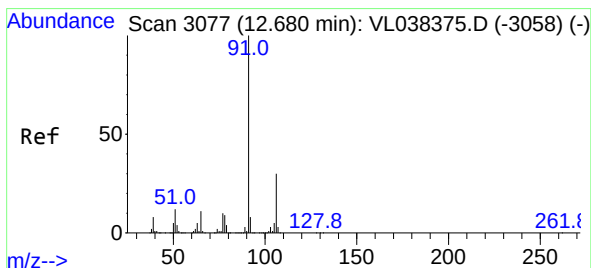
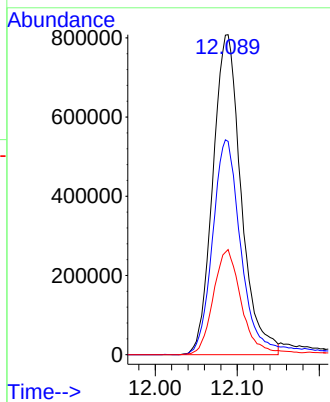
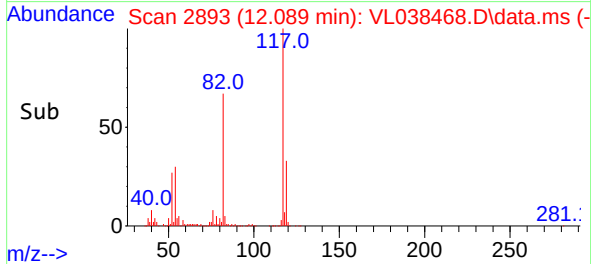
Instrument :
MSVOA_L
ClientSampleId :
FSG3DL



Tgt Ion: 117 Resp: 194013
Ion Ratio Lower Upper
117 100
82 71.3 54.9 82.3
119 34.0 46.1 69.1

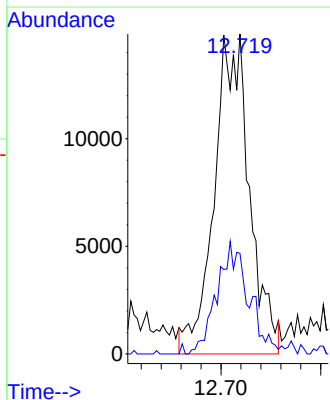
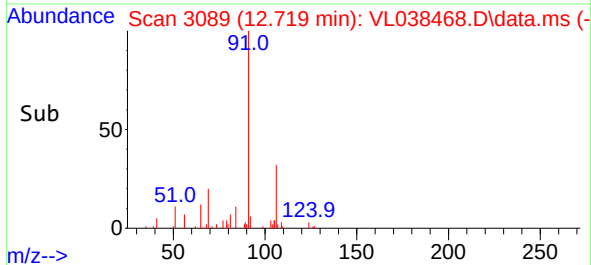
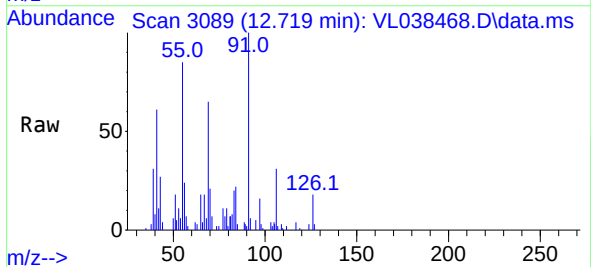
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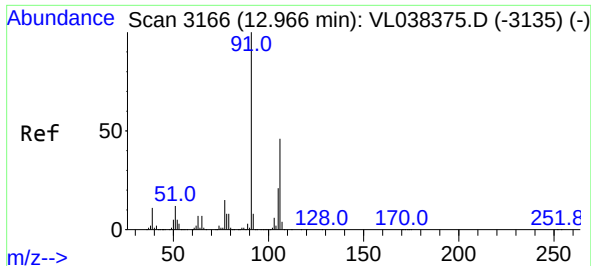
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#58
Ethyl Benzene
Concen: 0.137 ppbv m
RT: 12.719 min Scan# 3089
Delta R.T. 0.039 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

Tgt Ion: 91 Resp: 36242
Ion Ratio Lower Upper
91 100
106 31.4 24.0 36.0





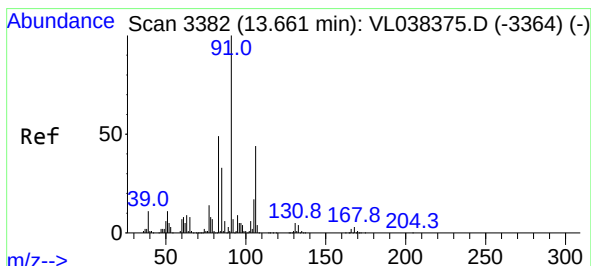
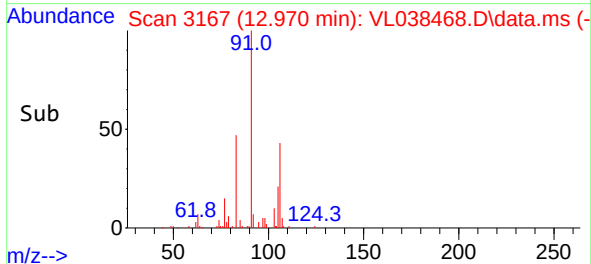
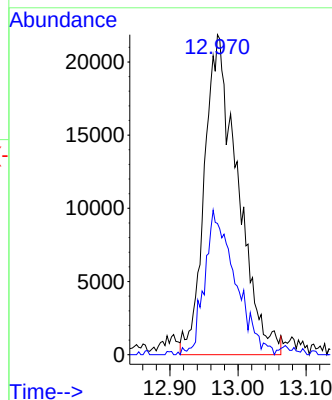
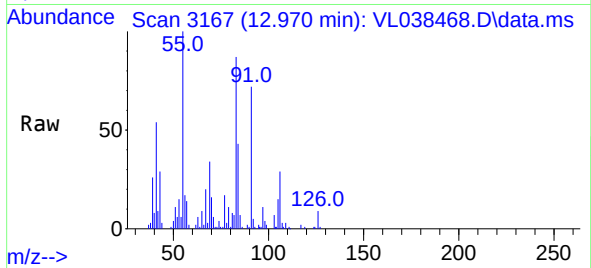
#59
m/p-Xylene
Concen: 0.325 ppbv m
RT: 12.970 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

Instrument :
MSVOA_L
ClientSampleId :
FSG3DL

Tgt Ion: 91 Resp: 7408
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6

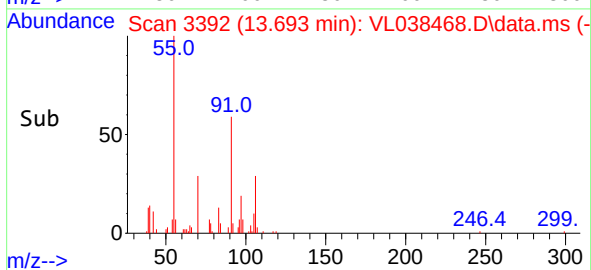
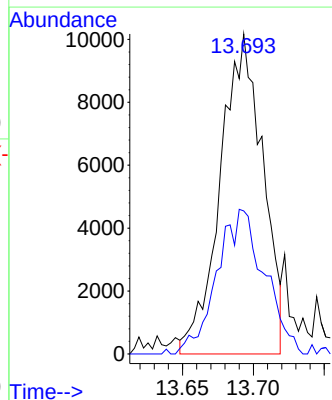
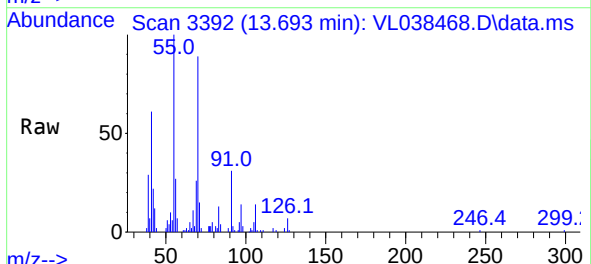
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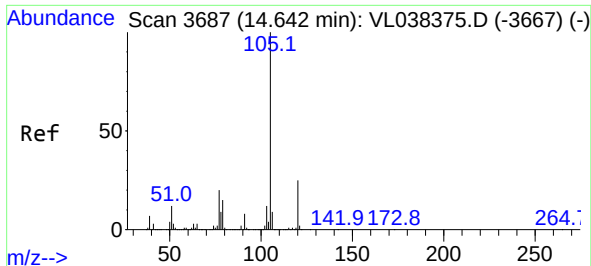
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#60
o-Xylene
Concen: 0.099 ppbv
RT: 13.693 min Scan# 3392
Delta R.T. 0.032 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

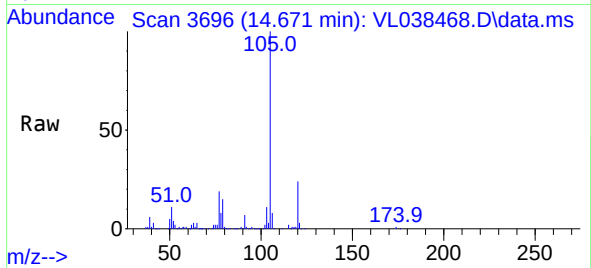
Tgt Ion: 91 Resp: 21220
Ion Ratio Lower Upper
91 100
106 50.9 21.9 65.5





#62
Isopropylbenzene
Concen: 2.163 ppbv
RT: 14.671 min Scan# 3696
Delta R.T. 0.029 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15

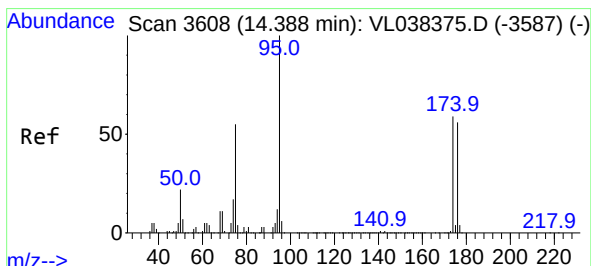
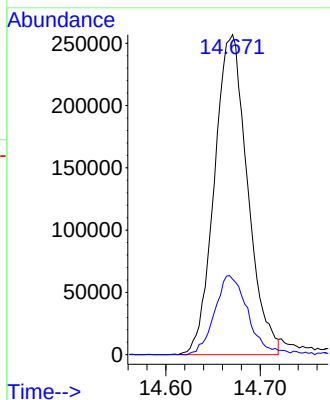
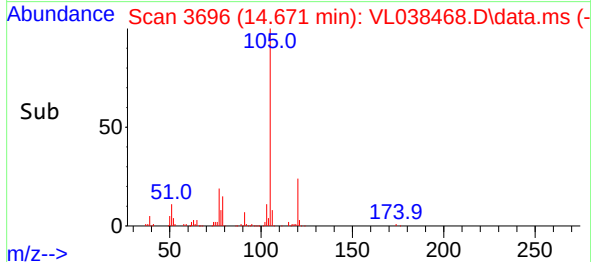
Instrument :
MSVOA_L
ClientSampleId :
FSG3DL



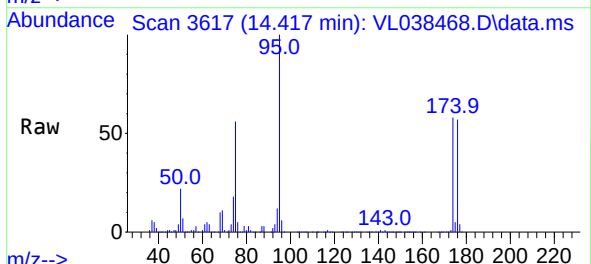
Tgt Ion: 105 Resp: 625372
Ion Ratio Lower Upper
105 100
120 25.2 20.6 30.8

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 03/02/2022
Supervised By : Mahesh Dadoda 03/02/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.597 ppbv
RT: 14.417 min Scan# 3617
Delta R.T. 0.029 min
Lab File: VL038468.D
Acq: 2 Mar 2022 2:15



Tgt Ion: 95 Resp: 1540637
Ion Ratio Lower Upper
95 100
174 63.2 49.0 73.4
175 4.5 3.6 5.4

