

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038470.D
 Acq On : 2 Mar 2022 3:35
 Operator : SY/AP
 Sample : N1723-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FSG1DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 04:58:24 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	5.674	49	918338	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.179	114	2363615	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.086	117	2055815	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	1588117	9.336	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.400%
Target Compounds						Qvalue
9) Propene	3.215	41	196583	3.672	ppbv	85
10) Heptane	8.121	43	166452	1.277	ppbv	99
13) Ethanol	3.610	45	59508m	11.137	ppbv	
15) Acetone	3.851	43	4370044	55.958	ppbv	99
17) tert-Butyl alcohol	4.308	59	162804	2.090	ppbv #	90
19) Isopropyl Alcohol	3.993	45	24199m	0.535	ppbv	
20) Methylene Chloride	4.356	84	32640	0.844	ppbv	87
26) Hexane	5.697	57	245138	2.580	ppbv #	42
27) Carbon Disulfide	4.562	76	23585	0.223	ppbv #	94
30) Cyclohexane	7.134	84	86848	1.118	ppbv #	76
32) 1,1,1-Trichloroethane	6.513	97	15199	0.097	ppbv	96
34) 2-Butanone	5.256	43	104186	1.402	ppbv #	88
36) Benzene	6.893	78	444576	2.137	ppbv	96
38) Trichloroethene	7.835	130	4900m	0.065	ppbv	
44) 2,2,4-Trimethylpentane	7.870	57	508113	1.421	ppbv #	86
52) Tetrachloroethene	11.224	164	3248m	0.047	ppbv	
53) Toluene	9.806	91	1051376	4.654	ppbv	100
58) Ethyl Benzene	12.713	91	149775	0.533	ppbv	100
59) m/p-Xylene	12.963	91	364292m	1.509	ppbv	
60) o-Xylene	13.690	91	102696m	0.450	ppbv	
62) Isopropylbenzene	14.667	105	824922	2.693	ppbv	99

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

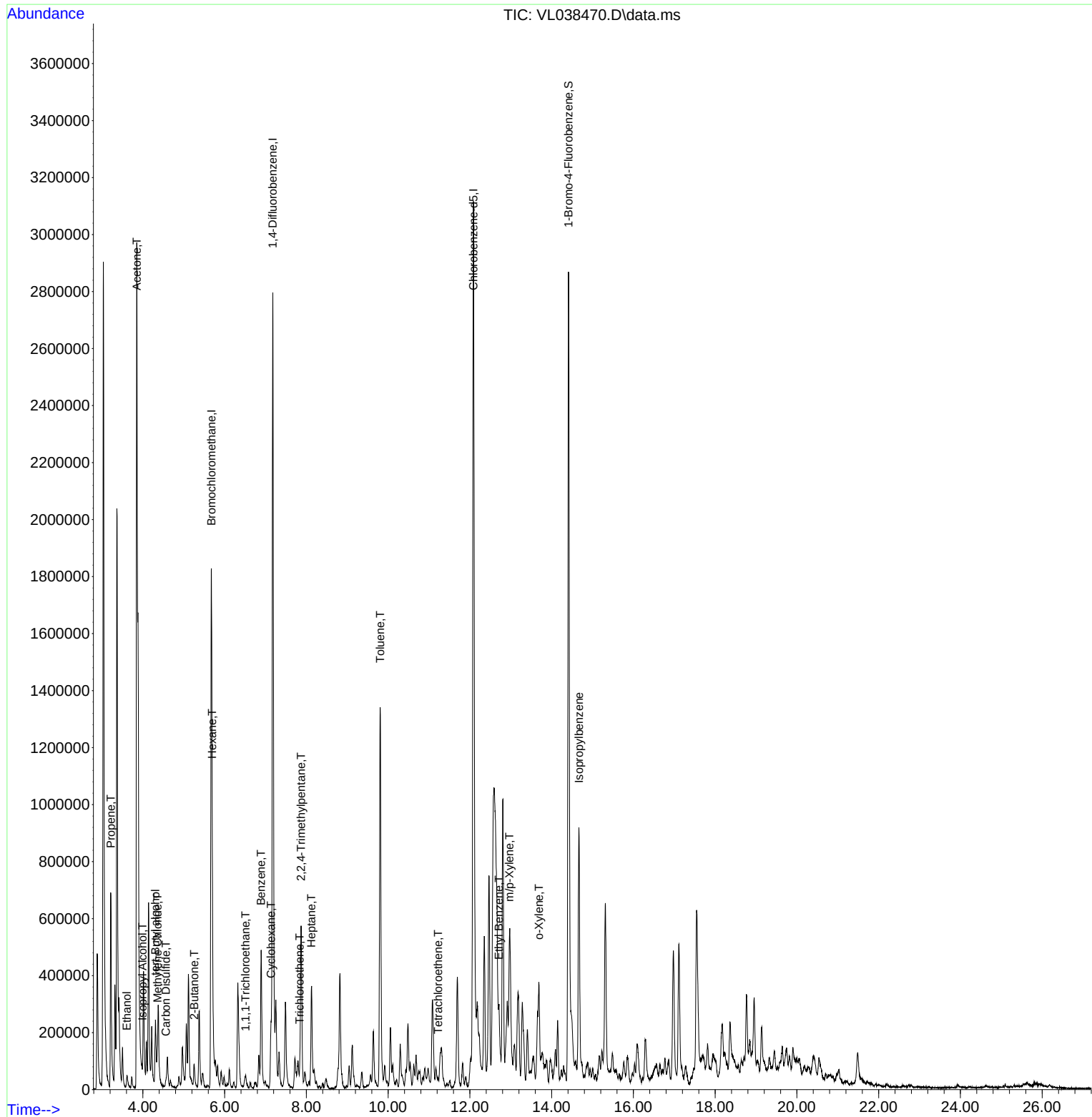
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
Data File : VL038470.D
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Operator : SY/AP
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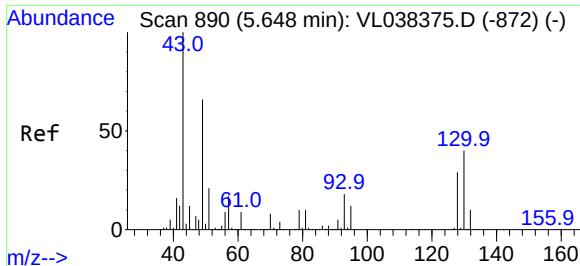
Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Quant Time: Mar 02 04:58:24 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

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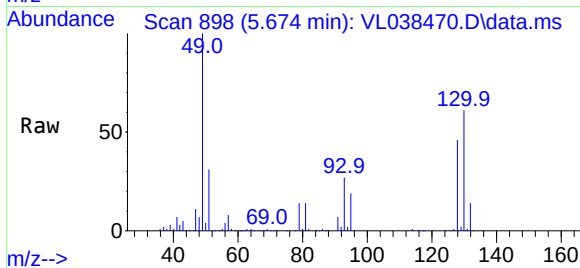
Reviewed By : Semsettin Yesilyurt 03/02/2022
Supervised By : Mahesh Dadoda 03/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 890
Delta R.T. 0.026 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

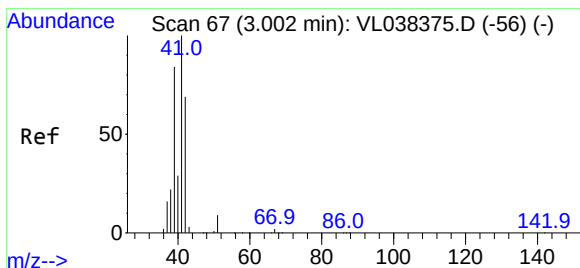
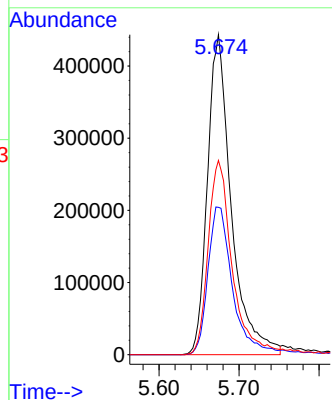
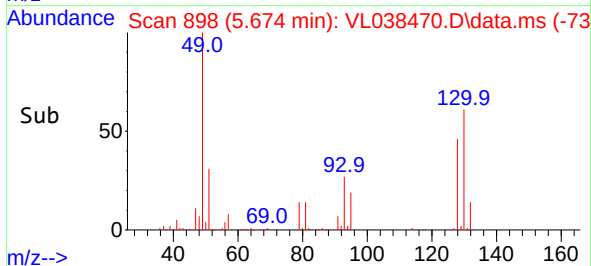
Instrument :
MSVOA_L
ClientSampleId :
FSG1DL



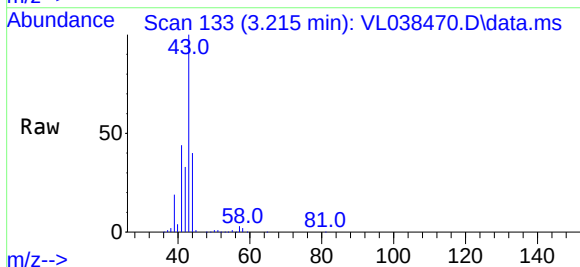
Tgt Ion: 49 Resp: 918338
Ion Ratio Lower Upper
49 100
128 49.6 24.3 72.9
130 63.2 30.1 90.5

Manual Integrations
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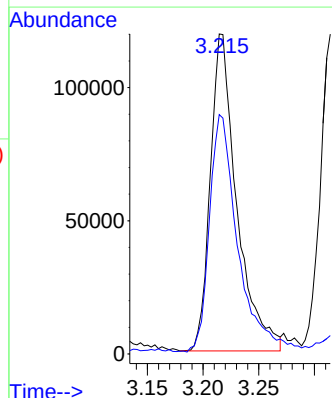
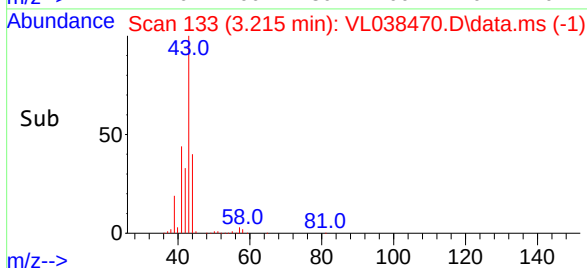
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Supervised By :Mahesh Dadoda 03/02/2022

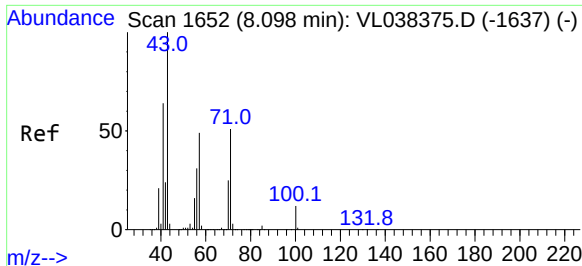


#9
Propene
Concen: 3.672 ppbv
RT: 3.215 min Scan# 133
Delta R.T. 0.212 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35



Tgt Ion: 41 Resp: 196583
Ion Ratio Lower Upper
41 100
42 80.1 54.6 82.0





#10

Heptane

Concen: 1.277 ppbv

RT: 8.121 min Scan# 1

Delta R.T. 0.023 min

Lab File: VL038470.D

Acq: 2 Mar 2022 3:35

Instrument :

MSVOA_L

ClientSampleId :

FSG1DL

Tgt Ion: 43 Resp: 16645

Ion Ratio Lower Upper

43 100

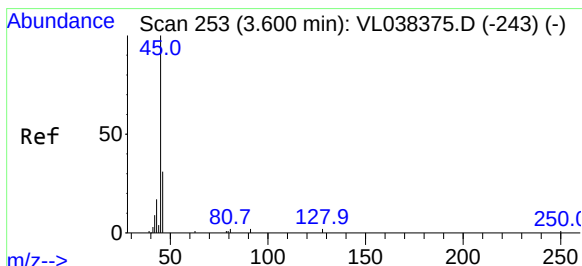
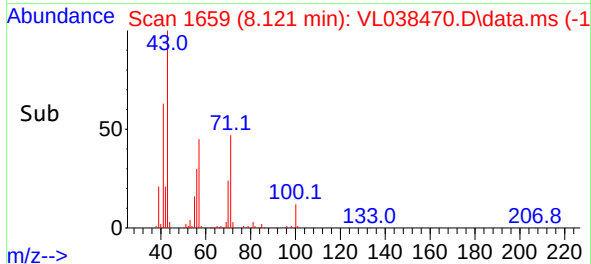
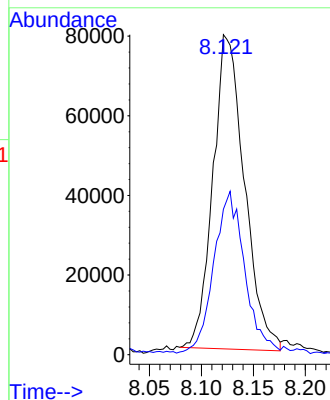
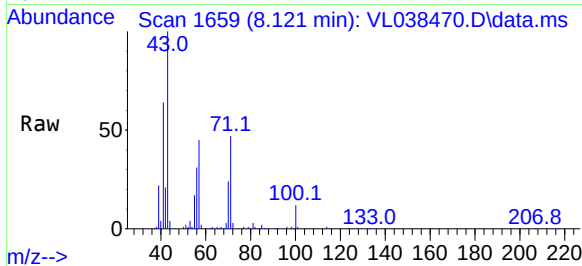
57 50.8 39.8 59.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

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#13

Ethanol

Concen: 11.137 ppbv m

RT: 3.610 min Scan# 256

Delta R.T. 0.010 min

Lab File: VL038470.D

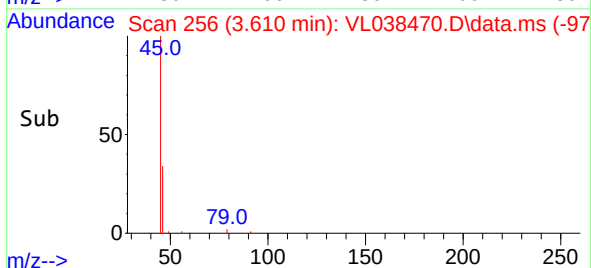
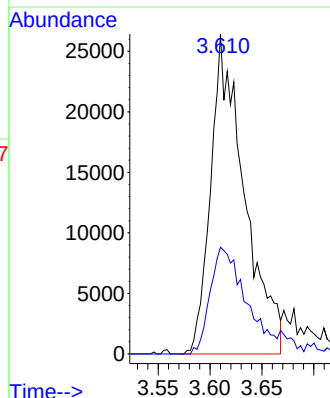
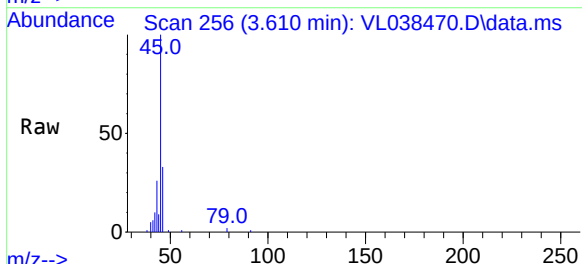
Acq: 2 Mar 2022 3:35

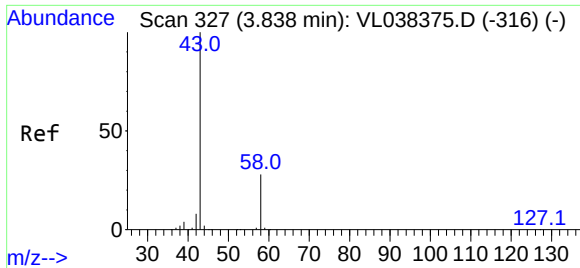
Tgt Ion: 45 Resp: 59508

Ion Ratio Lower Upper

45 100

46 0.0 18.2 72.8#





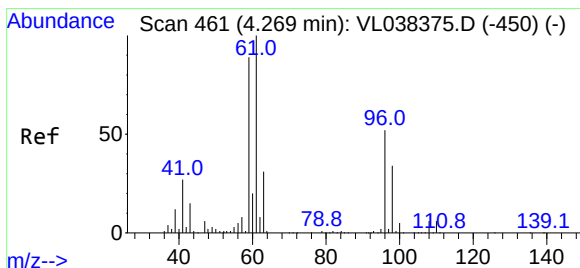
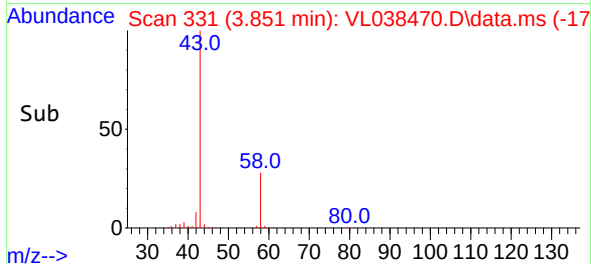
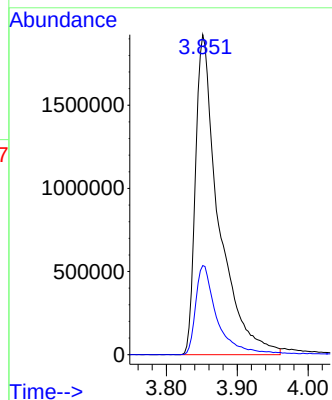
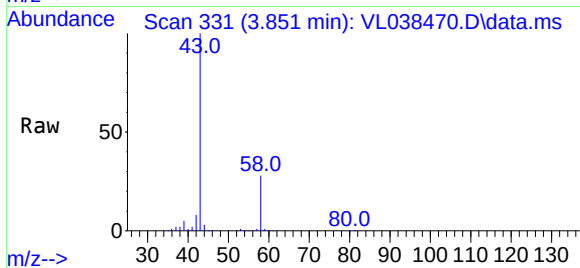
#15
Acetone
Concen: 55.958 ppbv
RT: 3.851 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 43 Resp: 437004
Ion Ratio Lower Upper
43 100
58 26.8 21.7 32.5

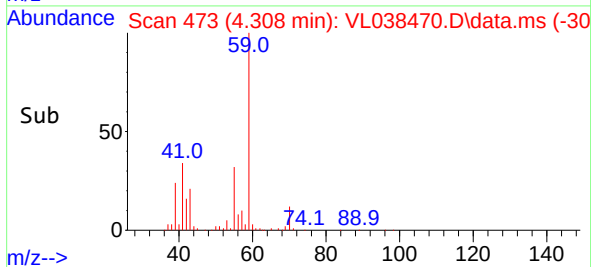
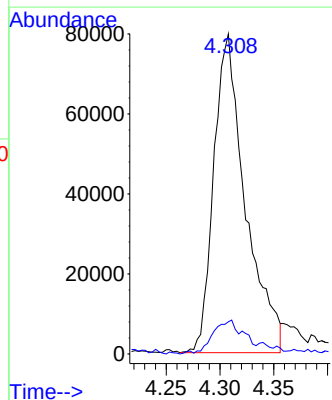
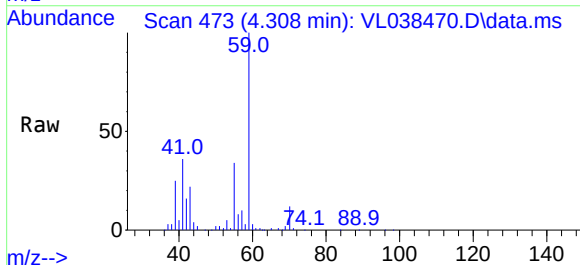
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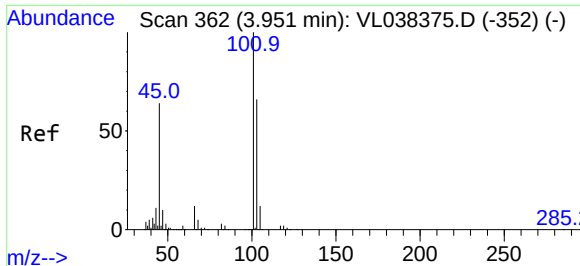
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#17
tert-Butyl alcohol
Concen: 2.090 ppbv
RT: 4.308 min Scan# 473
Delta R.T. 0.039 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

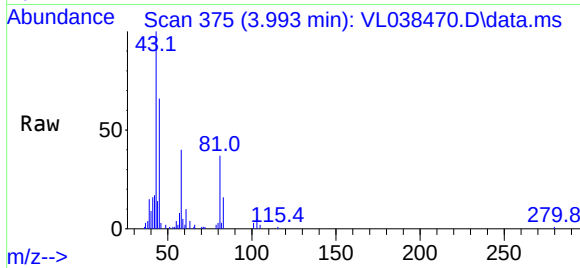
Tgt Ion: 59 Resp: 162804
Ion Ratio Lower Upper
59 100
57 14.1 8.4 12.6#





#19
Isopropyl Alcohol
Concen: 0.535 ppbv m
RT: 3.993 min Scan# 31
Delta R.T. 0.042 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

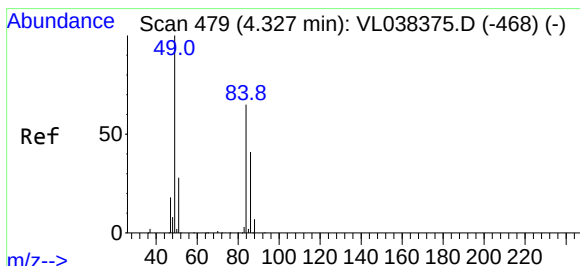
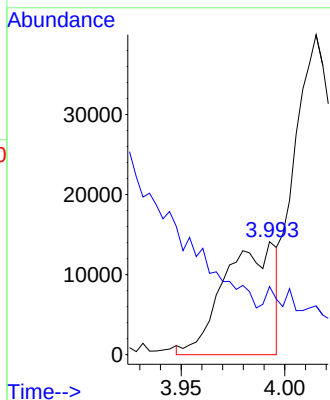
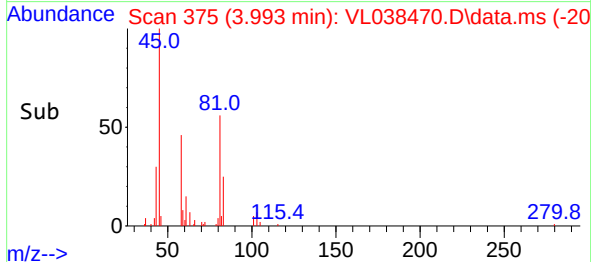
Instrument :
MSVOA_L
ClientSampleId :
FSG1DL



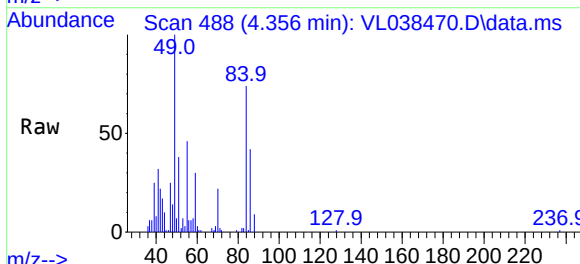
Tgt Ion: 45 Resp: 24199
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8

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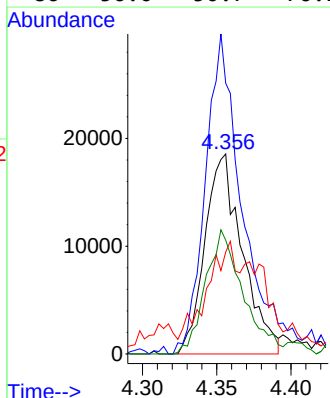
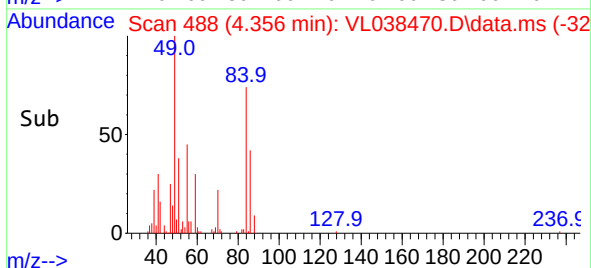
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

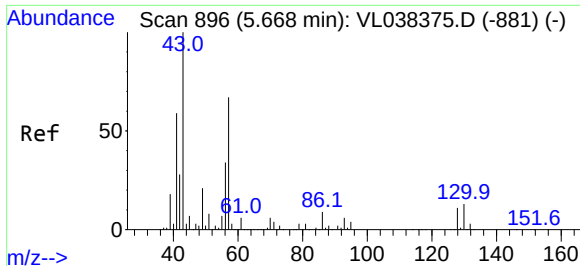


#20
Methylene Chloride
Concen: 0.844 ppbv
RT: 4.356 min Scan# 488
Delta R.T. 0.029 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35



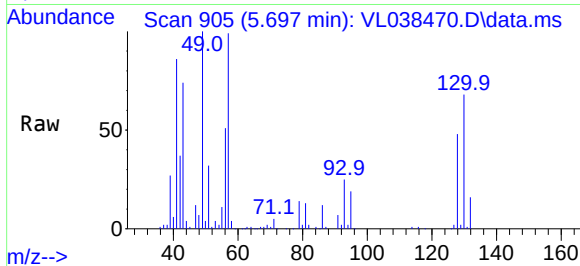
Tgt Ion: 84 Resp: 32640
Ion Ratio Lower Upper
84 100
49 129.8 122.4 183.6
51 42.1 33.3 49.9
86 56.0 50.7 76.1





#26
Hexane
Concen: 2.580 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.029 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

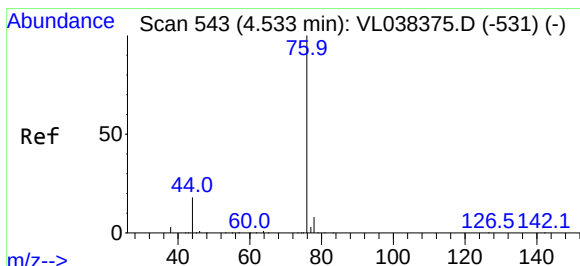
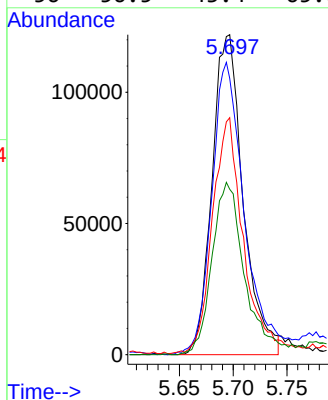
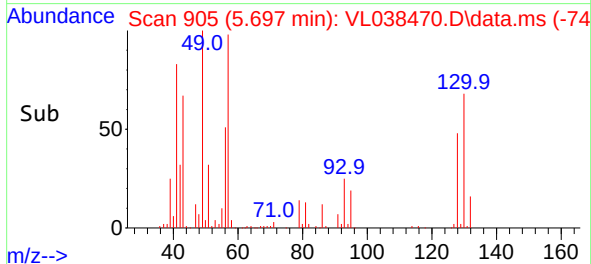
Instrument :
MSVOA_L
ClientSampleId :
FSG1DL



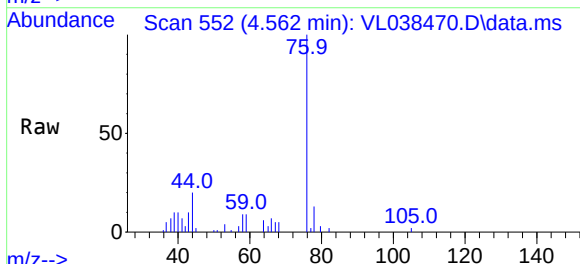
Tgt Ion: 57 Resp: 245138
Ion Ratio Lower Upper
57 100
41 97.7 73.1 109.7
43 75.7 181.0 271.4
56 56.5 43.4 65.0

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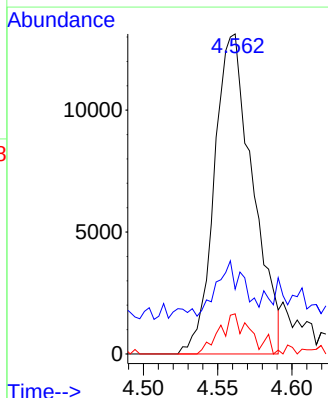
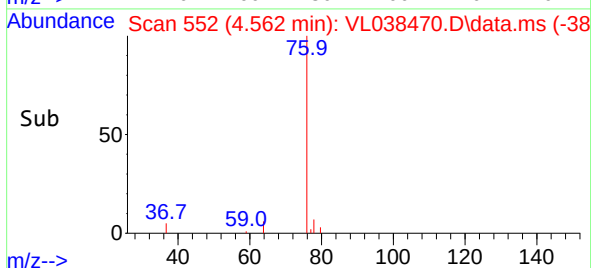
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

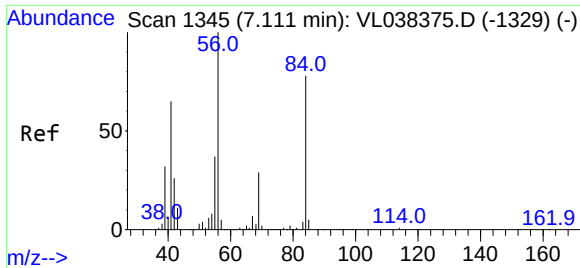


#27
Carbon Disulfide
Concen: 0.223 ppbv
RT: 4.562 min Scan# 552
Delta R.T. 0.029 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35



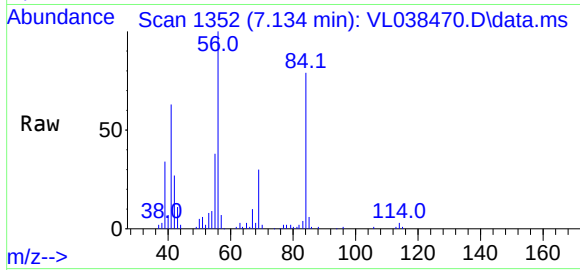
Tgt Ion: 76 Resp: 23585
Ion Ratio Lower Upper
76 100
44 14.7 14.2 21.2
78 11.7 7.8 11.6





#30
Cyclohexane
Concen: 1.118 ppbv
RT: 7.134 min Scan# 1159
Delta R.T. 0.023 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

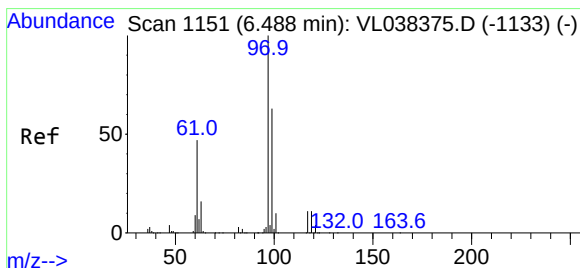
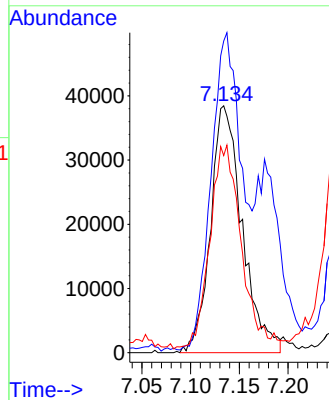
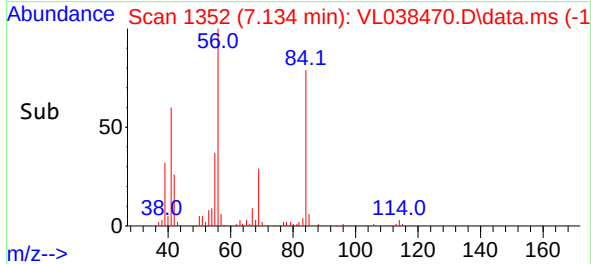
Instrument :
MSVOA_L
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FSG1DL



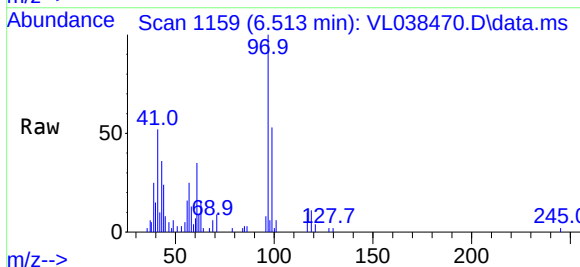
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Ion Ratio Lower Upper
84 100
56 186.3 116.2 174.4
41 82.6 74.3 111.5

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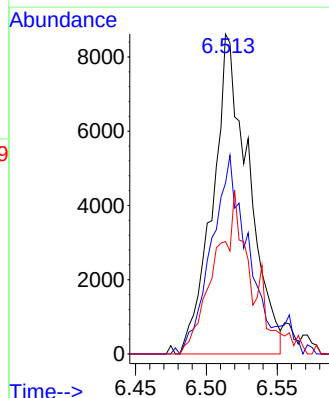
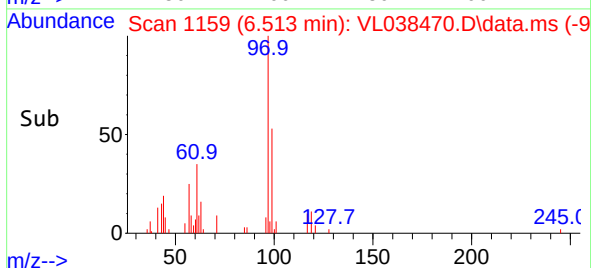
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

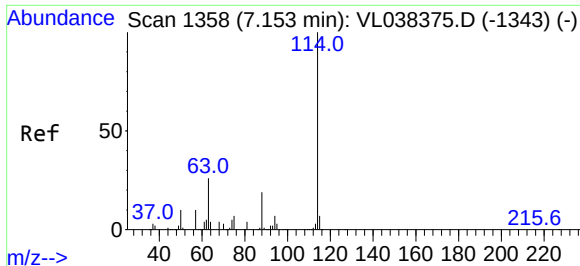


#32
1,1,1-Trichloroethane
Concen: 0.097 ppbv
RT: 6.513 min Scan# 1159
Delta R.T. 0.026 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35



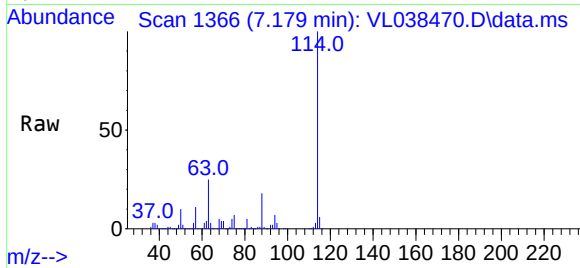
Tgt Ion: 97 Resp: 15199
Ion Ratio Lower Upper
97 100
99 67.8 51.9 77.9
61 53.2 40.5 60.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 111
Delta R.T. 0.026 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

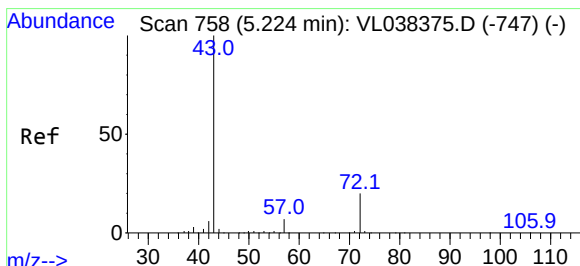
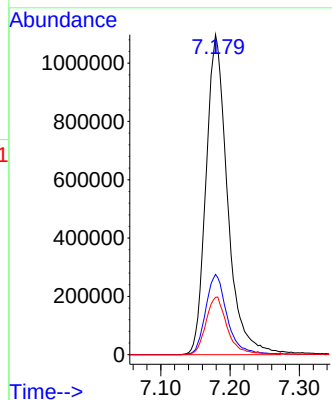
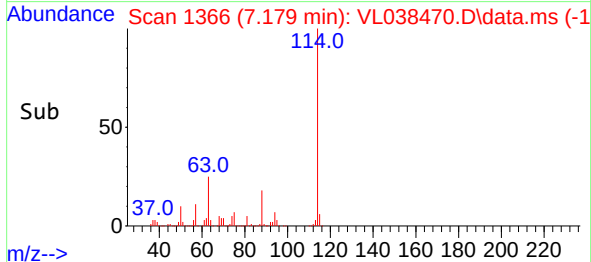


Tgt Ion: 114 Resp: 236361

Ion	Ratio	Lower	Upper
114	100		
63	25.6	22.2	33.2
88	18.2	15.2	22.8

Manual Integrations
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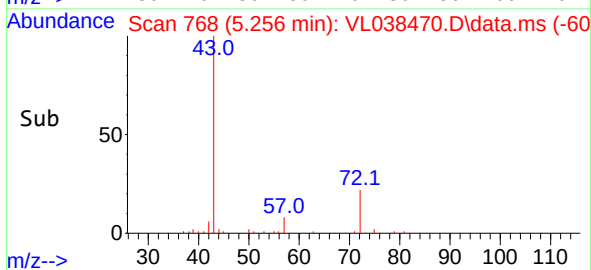
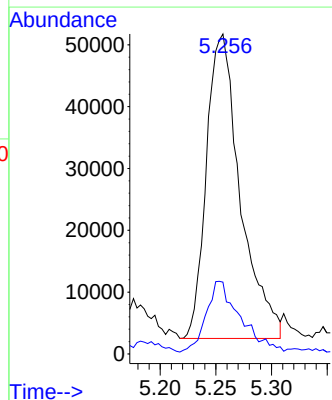
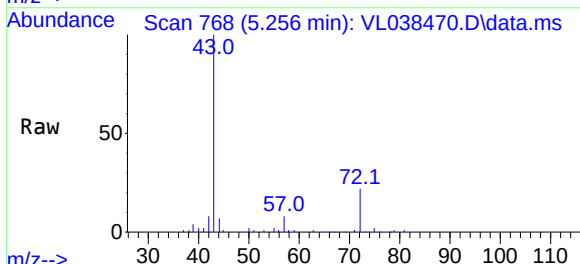
Reviewed By :Semsettin Yesilyurt 03/02/2022
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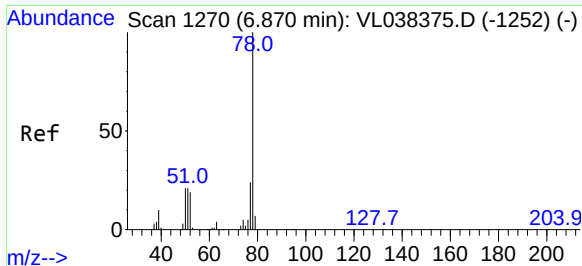


#34
2-Butanone
Concen: 1.402 ppbv
RT: 5.256 min Scan# 768
Delta R.T. 0.032 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 43 Resp: 104186

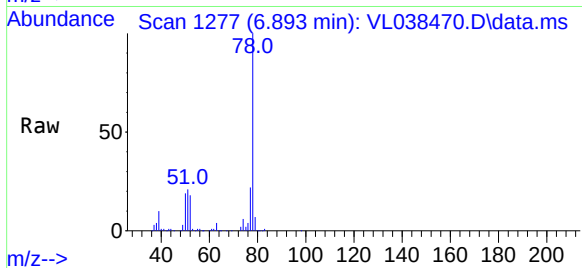
Ion	Ratio	Lower	Upper
43	100		
72	27.6	17.4	26.2#





#36
Benzene
Concen: 2.137 ppbv
RT: 6.893 min Scan# 1570
Delta R.T. 0.023 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

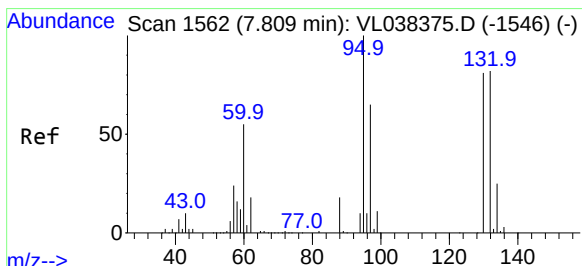
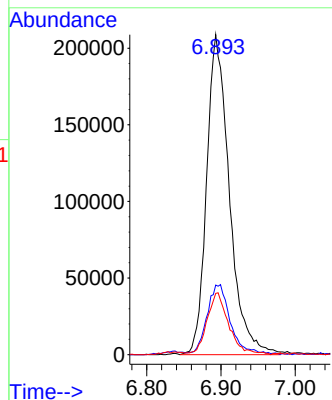
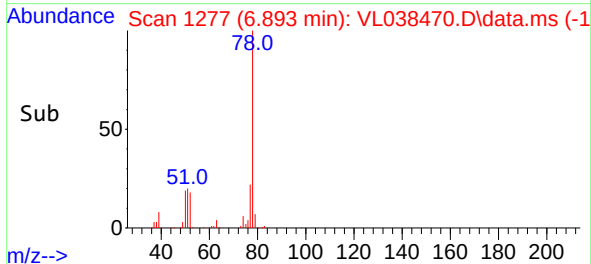
Instrument :
MSVOA_L
ClientSampleId :
FSG1DL



Tgt Ion: 78 Resp: 444570
Ion Ratio Lower Upper
78 100
77 21.6 19.0 28.6
50 18.8 16.6 24.8

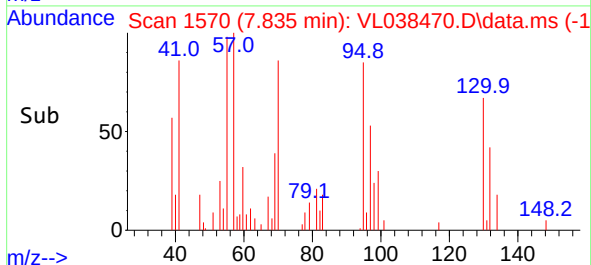
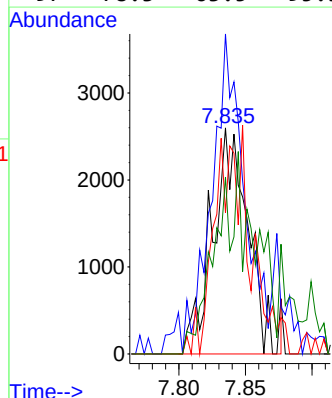
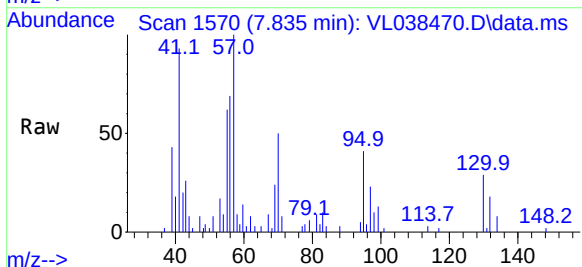
Manual Integrations
APPROVED

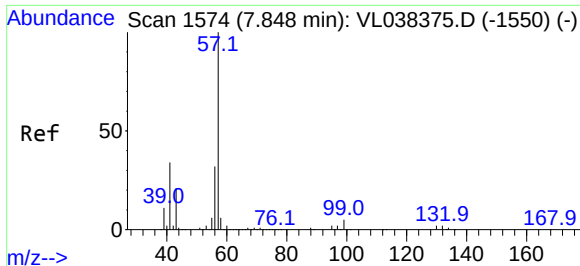
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#38
Trichloroethene
Concen: 0.065 ppbv m
RT: 7.835 min Scan# 1570
Delta R.T. 0.026 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

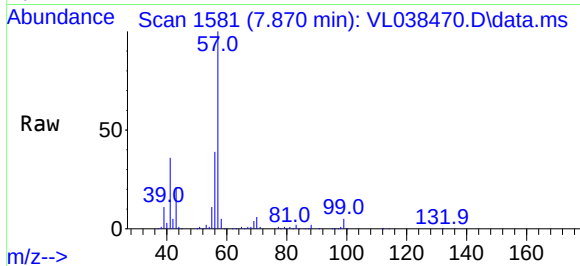
Tgt Ion:130 Resp: 4900
Ion Ratio Lower Upper
130 100
95 141.6 98.1 147.1
132 62.4 80.3 120.5#
97 78.3 63.5 95.3





#44
2,2,4-Trimethylpentane
Concen: 1.421 ppbv
RT: 7.870 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

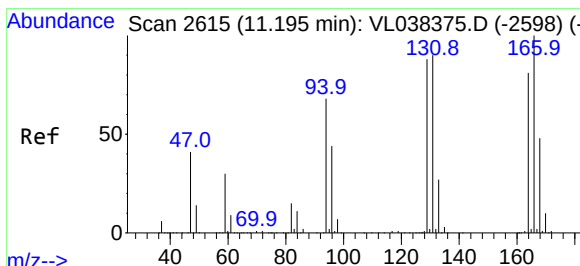
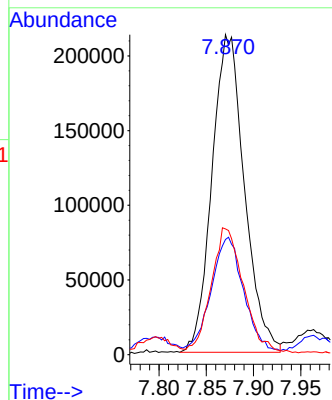
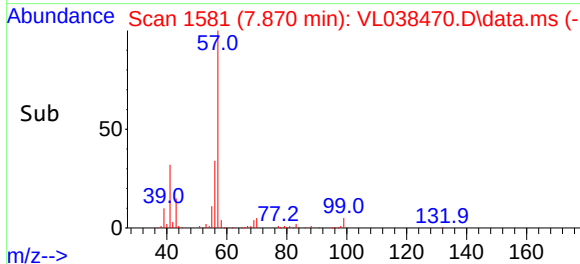
Instrument :
MSVOA_L
ClientSampleId :
FSG1DL



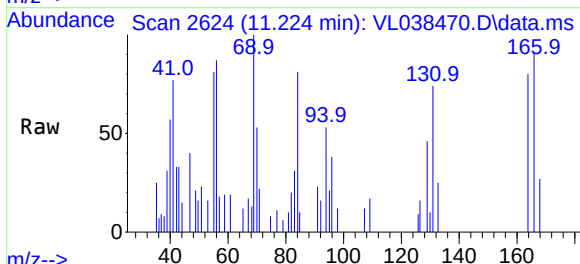
Tgt Ion: 57 Resp: 50811
Ion Ratio Lower Upper
57 100
41 38.1 26.6 39.8
56 41.8 25.0 37.6

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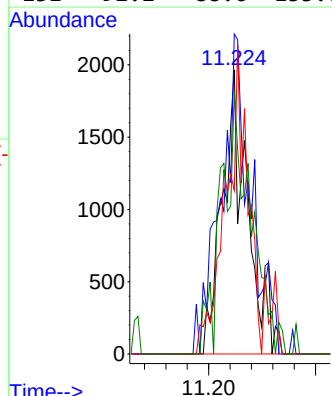
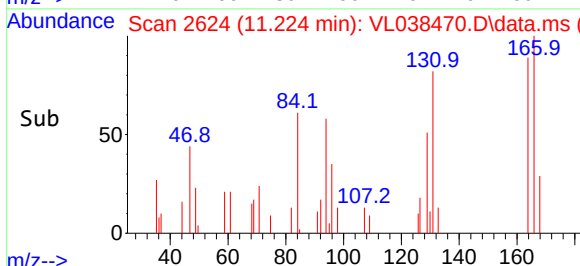
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

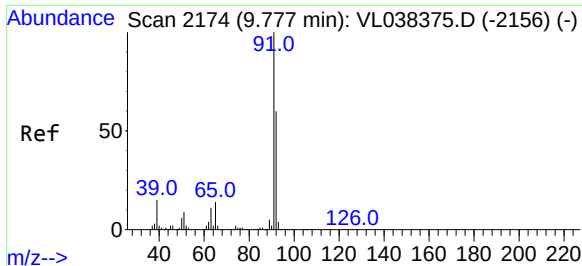


#52
Tetrachloroethene
Concen: 0.047 ppbv m
RT: 11.224 min Scan# 2624
Delta R.T. 0.029 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35



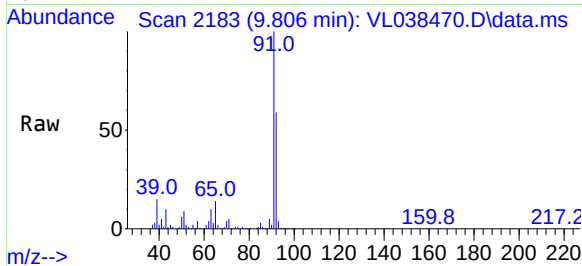
Tgt Ion:164 Resp: 3248
Ion Ratio Lower Upper
164 100
166 112.6 98.6 148.0
129 57.6 86.9 130.3#
131 92.2 88.6 133.0





#53
Toluene
Concen: 4.654 ppbv
RT: 9.806 min Scan# 2174
Delta R.T. 0.029 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

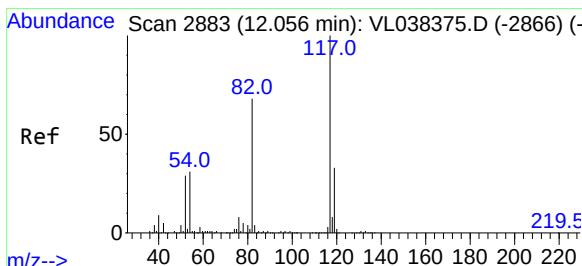
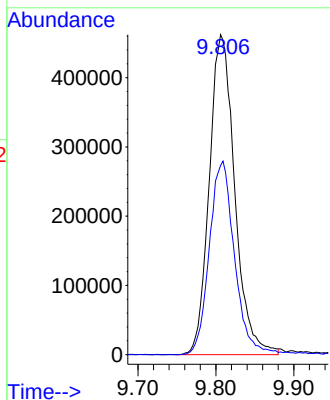
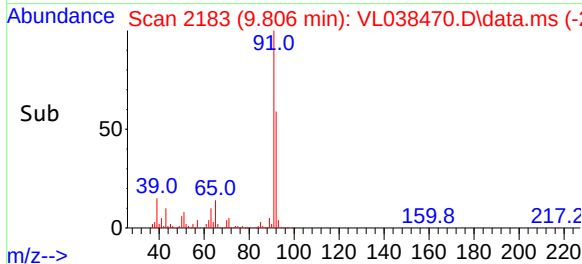
Instrument :
MSVOA_L
ClientSampleId :
FSG1DL



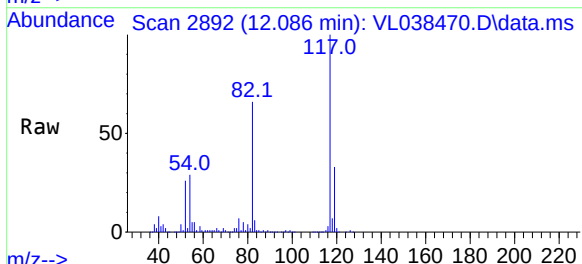
Tgt Ion: 91 Resp: 1051370
Ion Ratio Lower Upper
91 100
92 60.7 48.2 72.4

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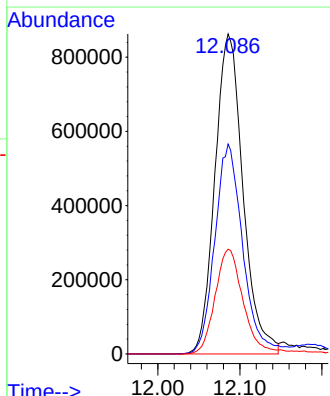
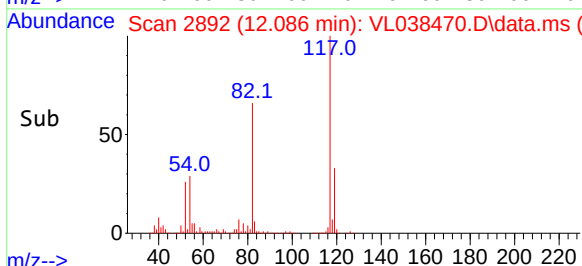
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

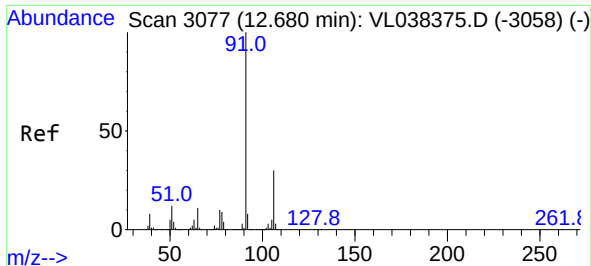


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.086 min Scan# 2892
Delta R.T. 0.029 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35



Tgt Ion:117 Resp: 2055815
Ion Ratio Lower Upper
117 100
82 65.9 54.9 82.3
119 33.7 46.1 69.1#





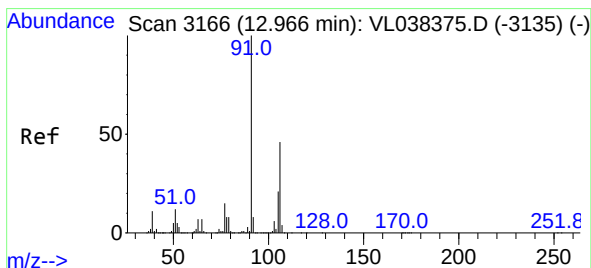
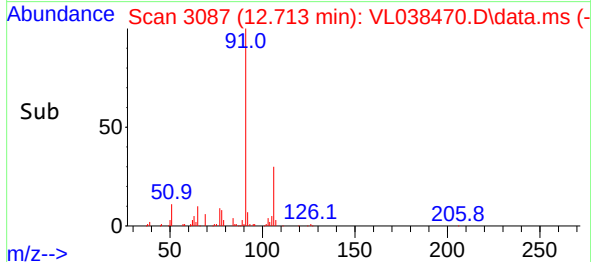
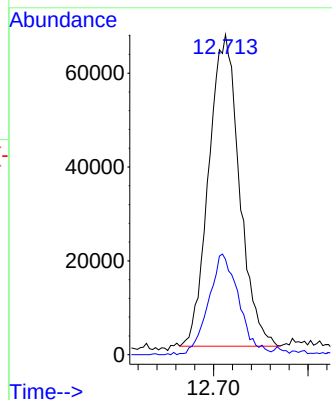
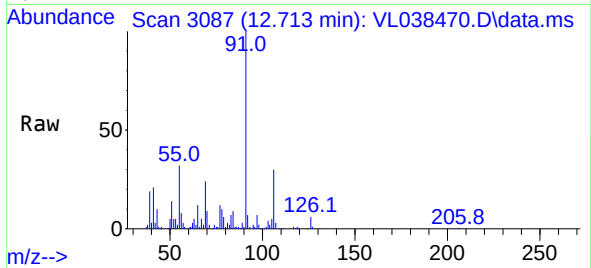
#58
Ethyl Benzene
Concen: 0.533 ppbv
RT: 12.713 min Scan# 3077
Delta R.T. 0.032 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 91 Resp: 149775
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

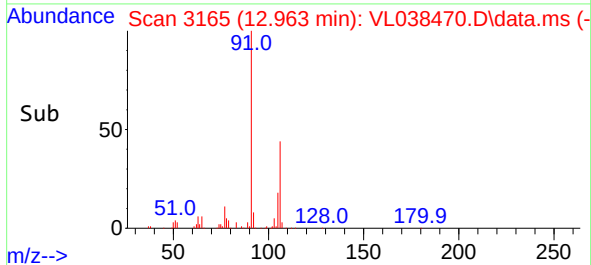
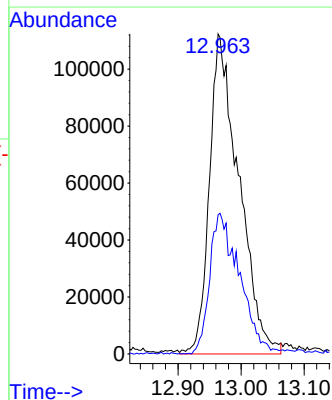
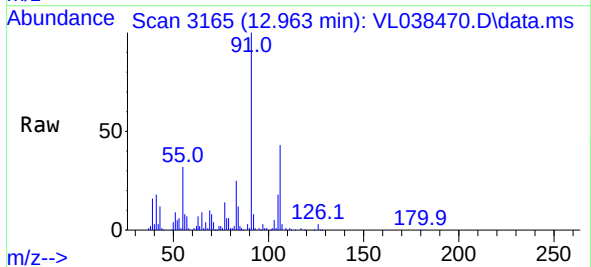
Manual Integrations
APPROVED

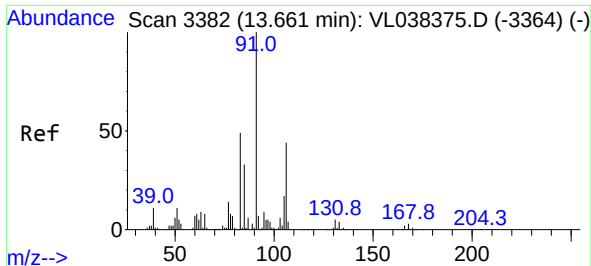
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#59
m/p-Xylene
Concen: 1.509 ppbv m
RT: 12.963 min Scan# 3165
Delta R.T. -0.003 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

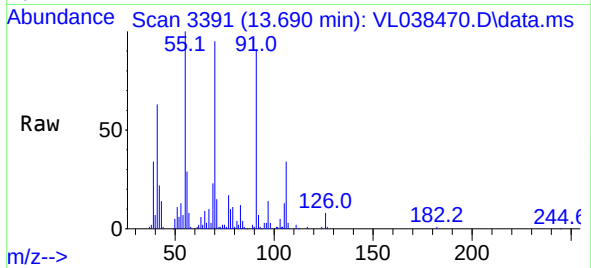
Tgt Ion: 91 Resp: 364292
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





#60
o-Xylene
Concen: 0.450 ppbv m
RT: 13.690 min Scan# 31
Delta R.T. 0.029 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

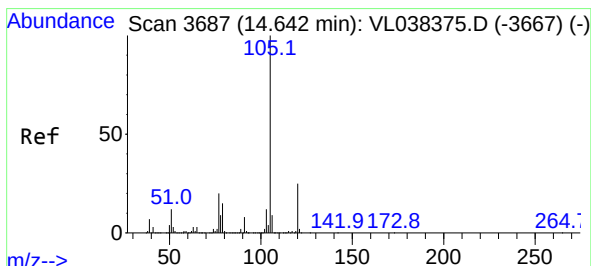
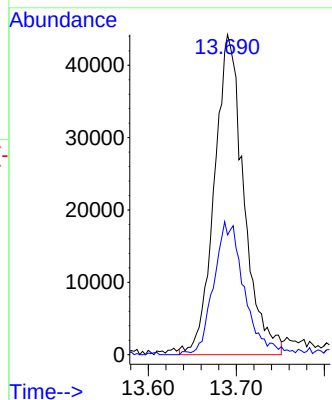
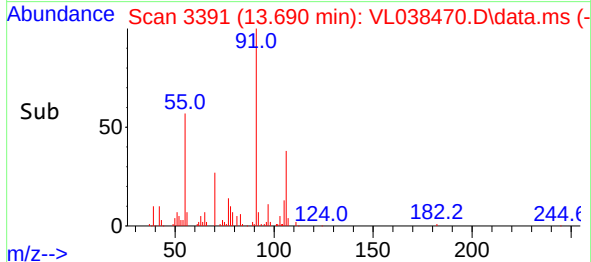
Instrument :
MSVOA_L
ClientSampleId :
FSG1DL



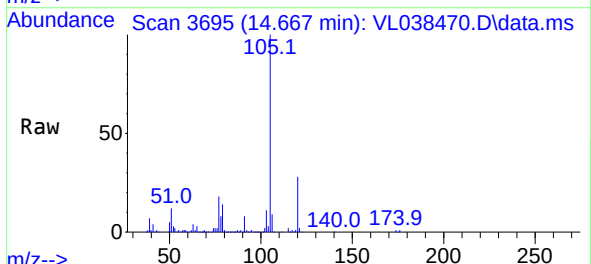
Tgt Ion: 91 Resp: 102690
Ion Ratio Lower Upper
91 100
106 44.2 21.9 65.5

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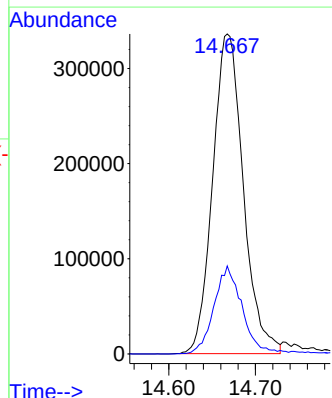
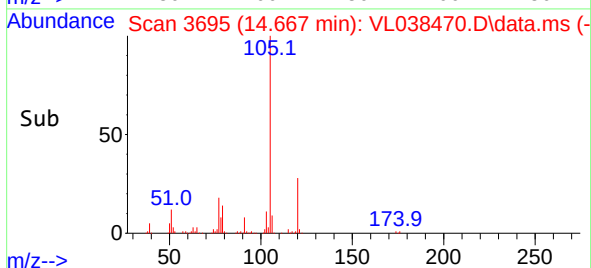
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



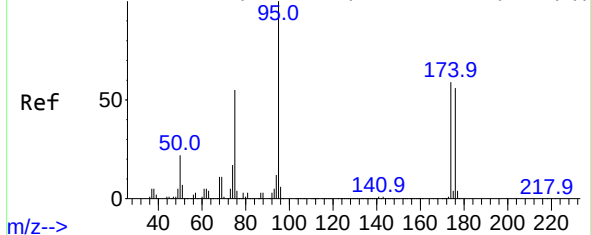
#62
Isopropylbenzene
Concen: 2.693 ppbv
RT: 14.667 min Scan# 3695
Delta R.T. 0.026 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35



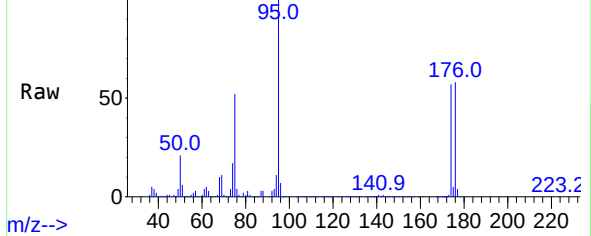
Tgt Ion:105 Resp: 824922
Ion Ratio Lower Upper
105 100
120 26.1 20.6 30.8



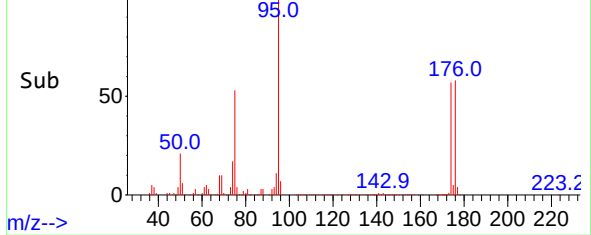
Abundance Scan 3608 (14.388 min): VL038375.D (-3587) (-)



Abundance Scan 3616 (14.413 min): VL038470.D\data.ms



Abundance Scan 3616 (14.413 min): VL038470.D\data.ms (-)



#68
1-Bromo-4-Fluorobenzene
Concen: 9.336 ppbv
RT: 14.413 min Scan# 30
Delta R.T. 0.026 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 95 Resp: 158811
Ion Ratio Lower Upper
95 100
174 65.2 49.0 73.4
175 4.8 3.6 5.4

Manual Integrations
APPROVED

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

