

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038465.D
 Acq On : 2 Mar 2022 00:18
 Operator : SY/AP
 Sample : N1723-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FSG2DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 03:10:07 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	904702	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.179	114	2326566	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.085	117	1998439	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	1602190	9.689	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%
Target Compounds						
					Qvalue	
9) Propene	3.214	41	193003	3.659	ppbv	91
10) Heptane	8.131	43	139376	1.085	ppbv	99
13) Ethanol	3.626	45	27634m	5.250	ppbv	
15) Acetone	3.883	43	924108	12.011	ppbv	# 81
19) Isopropyl Alcohol	4.012	45	17291m	0.388	ppbv	
26) Hexane	5.693	57	197083	2.106	ppbv	# 42
27) Carbon Disulfide	4.558	76	27409	0.263	ppbv	# 69
30) Cyclohexane	7.140	84	70845	0.925	ppbv	92
32) 1,1,1-Trichloroethane	6.507	97	5254m	0.034	ppbv	
34) 2-Butanone	5.266	43	64332	0.879	ppbv	# 87
36) Benzene	6.896	78	356249	1.739	ppbv	94
44) 2,2,4-Trimethylpentane	7.873	57	579957	1.647	ppbv	91
53) Toluene	9.809	91	832832	3.745	ppbv	96
58) Ethyl Benzene	12.709	91	82024	0.300	ppbv	93
59) m/p-Xylene	12.966	91	170619m	0.727	ppbv	
60) o-Xylene	13.690	91	44536	0.201	ppbv	93
61) Styrene	13.529	104	12844m	0.126	ppbv	
62) Isopropylbenzene	14.667	105	1155877	3.882	ppbv	100

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

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Instrument :
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FSG2DL

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

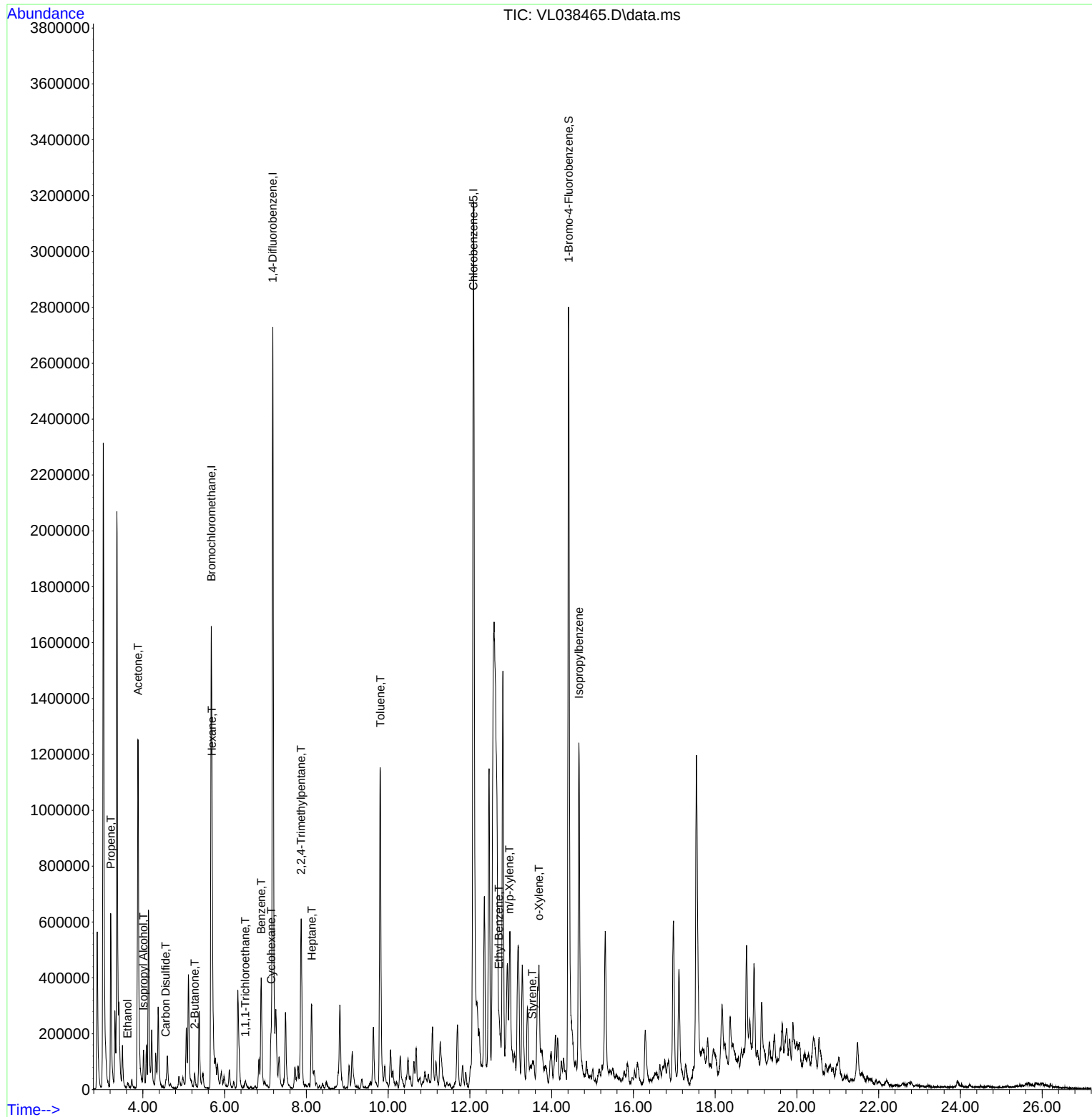
Quant Time: Mar 02 03:10:07 2022

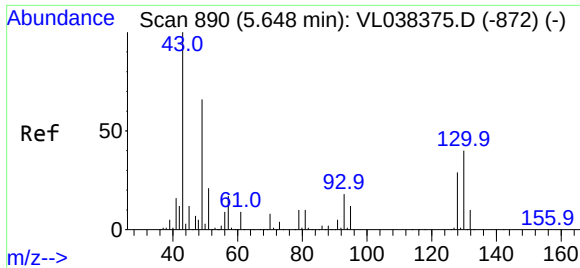
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

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

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

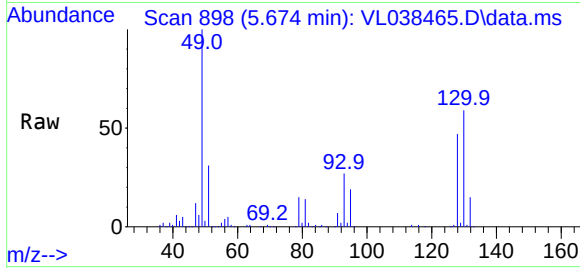
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 890
Delta R.T. 0.026 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

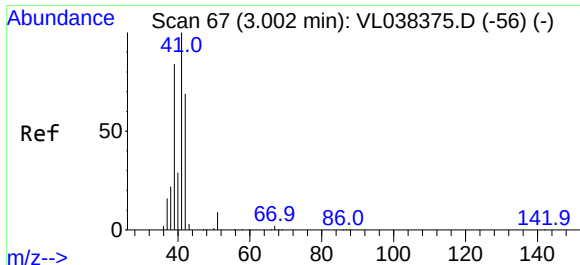
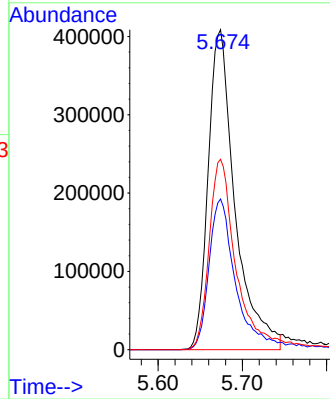
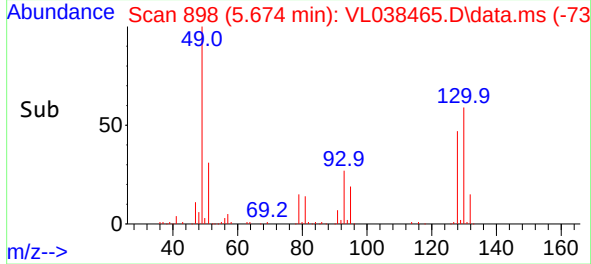
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



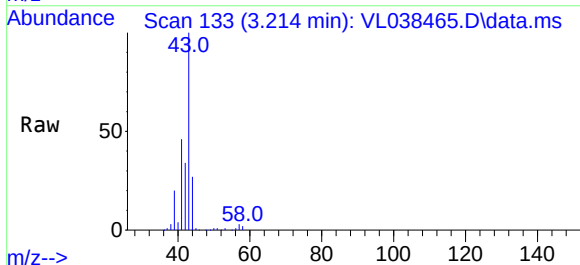
Tgt Ion: 49 Resp: 904702
Ion Ratio Lower Upper
49 100
128 48.6 24.3 72.9
130 62.0 30.1 90.5

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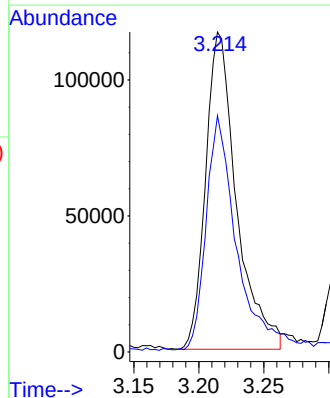
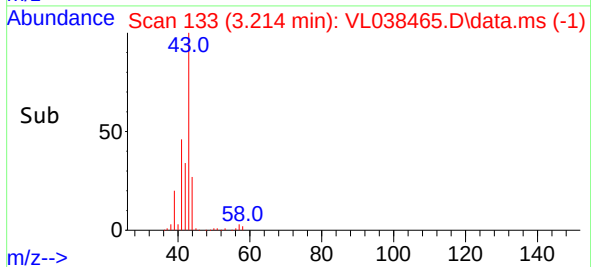
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

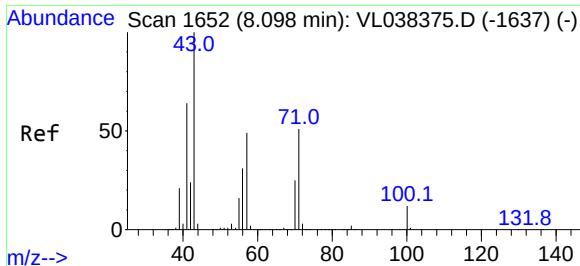


#9
Propene
Concen: 3.659 ppbv
RT: 3.214 min Scan# 133
Delta R.T. 0.212 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18



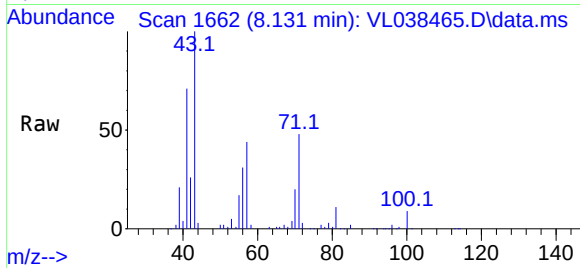
Tgt Ion: 41 Resp: 193003
Ion Ratio Lower Upper
41 100
42 75.4 54.6 82.0





#10
Heptane
Concen: 1.085 ppbv
RT: 8.131 min Scan# 10
Delta R.T. 0.032 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

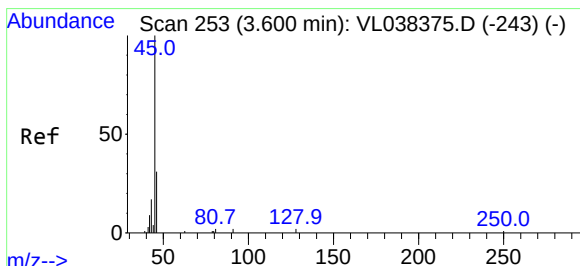
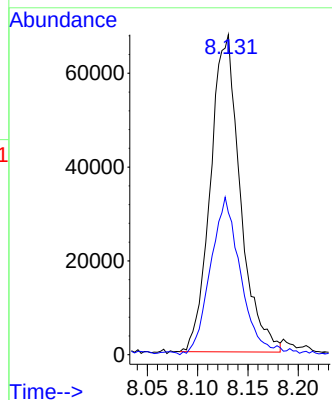
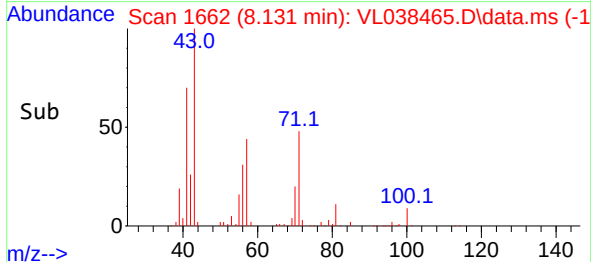
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



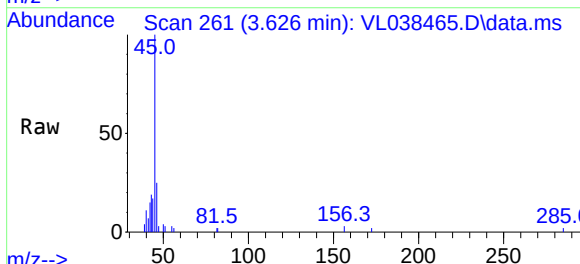
Tgt Ion: 43 Resp: 139370
Ion Ratio Lower Upper
43 100
57 50.5 39.8 59.8

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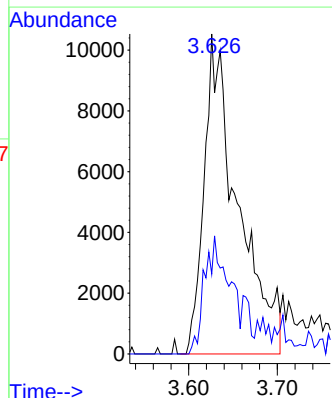
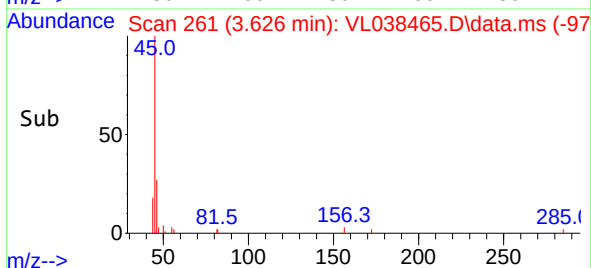
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

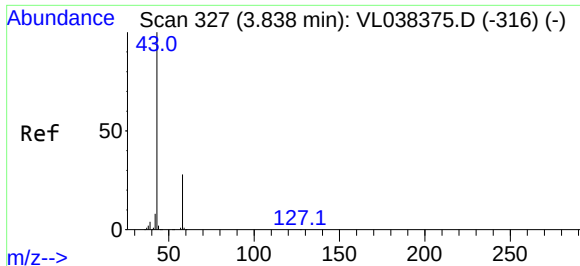


#13
Ethanol
Concen: 5.250 ppbv m
RT: 3.626 min Scan# 261
Delta R.T. 0.026 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18



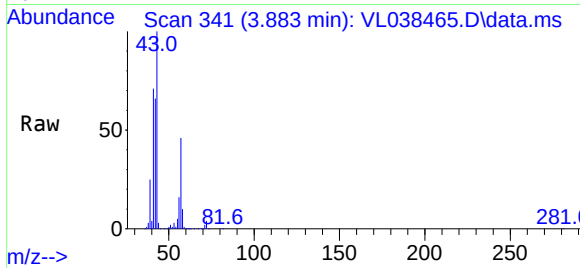
Tgt Ion: 45 Resp: 27634
Ion Ratio Lower Upper
45 100
46 40.4 18.2 72.8





#15
Acetone
Concen: 12.011 ppbv
RT: 3.883 min Scan# 341
Delta R.T. 0.045 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

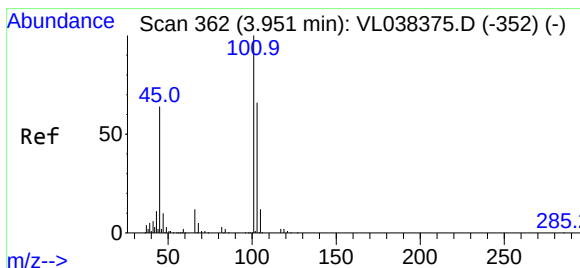
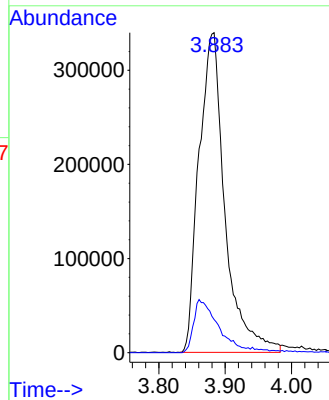
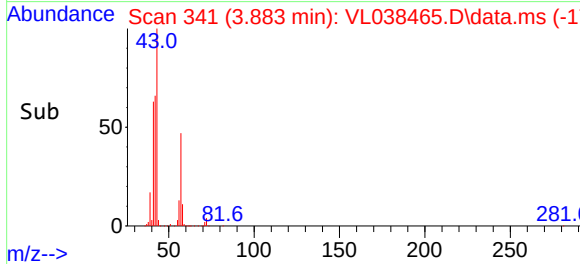
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



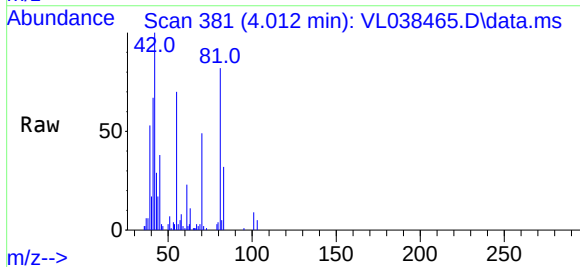
Tgt Ion: 43 Resp: 924108
Ion Ratio Lower Upper
43 100
58 17.1 21.7 32.5

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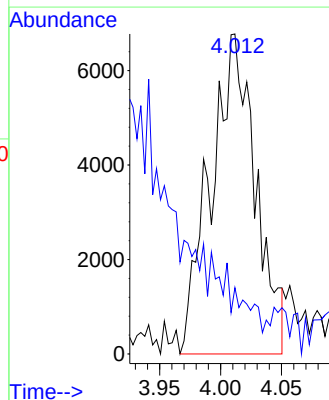
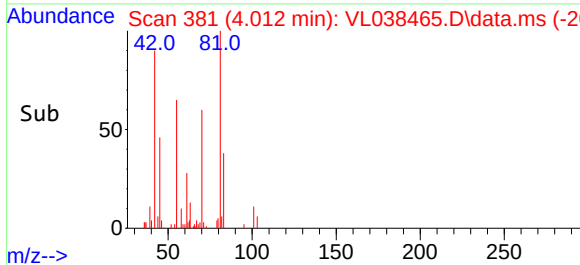
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

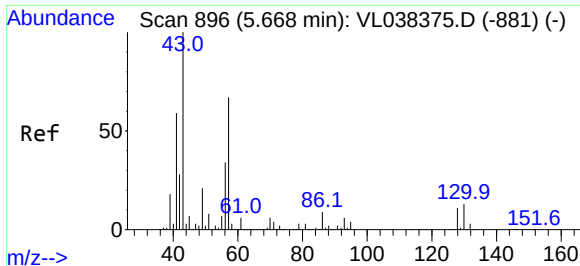


#19
Isopropyl Alcohol
Concen: 0.388 ppbv m
RT: 4.012 min Scan# 381
Delta R.T. 0.061 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18



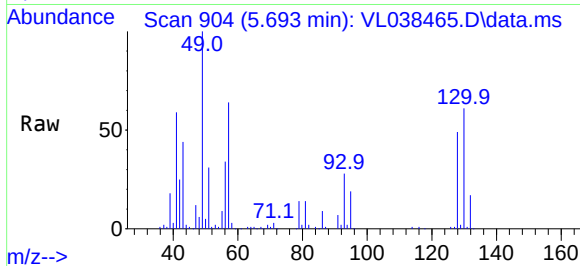
Tgt Ion: 45 Resp: 17291
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8





#26
Hexane
Concen: 2.106 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.026 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

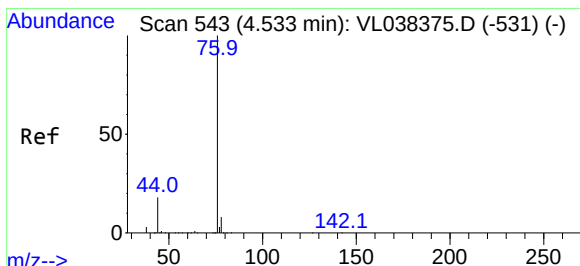
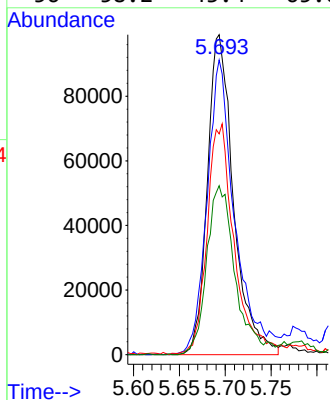
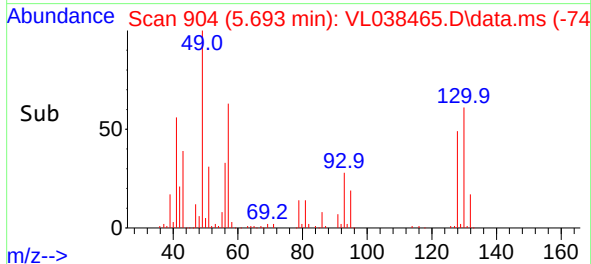
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



Tgt Ion: 57 Resp: 197083
Ion Ratio Lower Upper
57 100
41 98.7 73.1 109.7
43 77.7 181.0 271.4
56 58.2 43.4 65.0

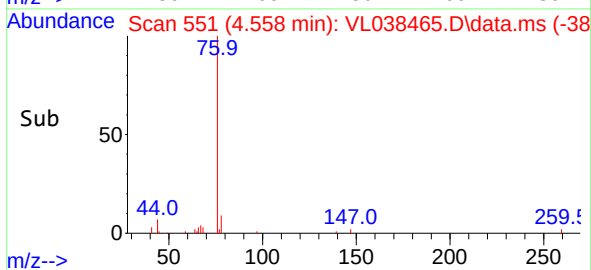
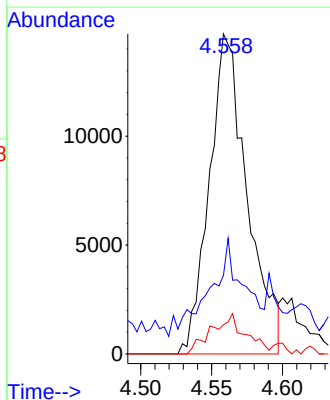
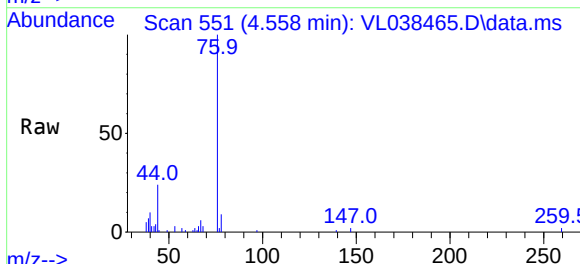
Manual Integrations
APPROVED

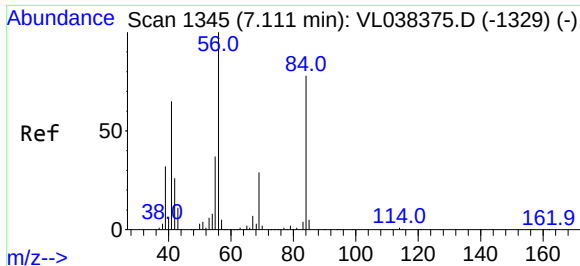
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#27
Carbon Disulfide
Concen: 0.263 ppbv
RT: 4.558 min Scan# 551
Delta R.T. 0.026 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

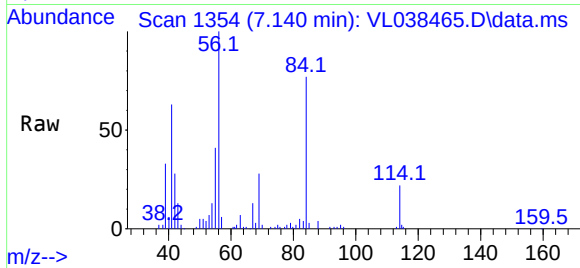
Tgt Ion: 76 Resp: 27409
Ion Ratio Lower Upper
76 100
44 36.5 14.2 21.2#
78 13.1 7.8 11.6#





#30
Cyclohexane
Concen: 0.925 ppbv
RT: 7.140 min Scan# 1157
Delta R.T. 0.029 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

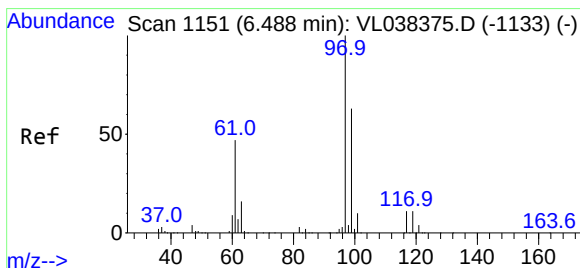
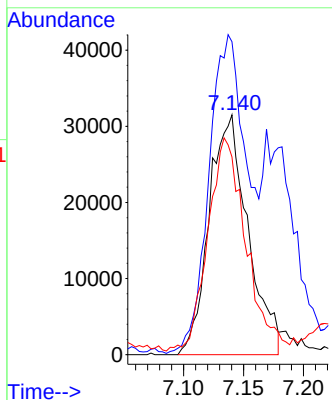
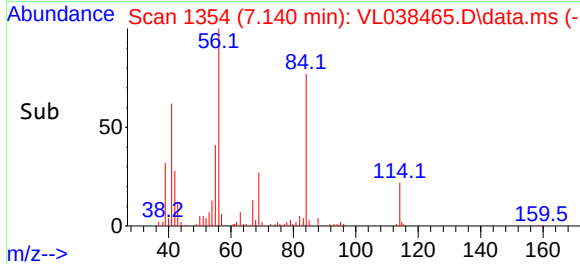
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



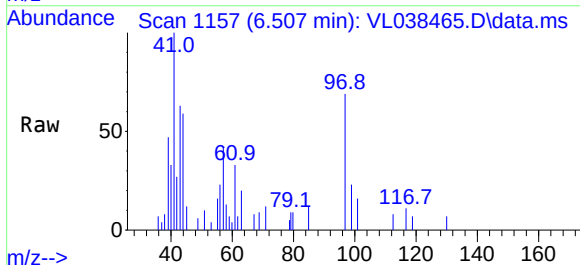
Tgt Ion: 84 Resp: 70845
Ion Ratio Lower Upper
84 100
56 131.3 116.2 174.4
41 90.7 74.3 111.5

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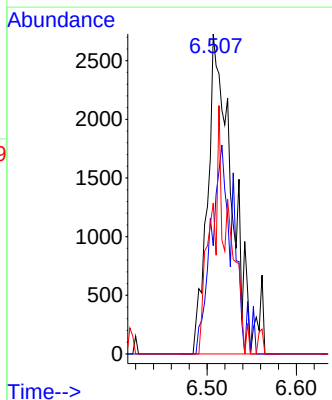
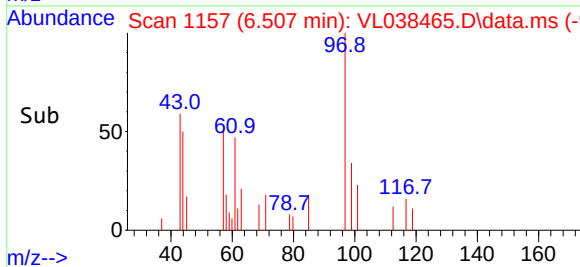
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

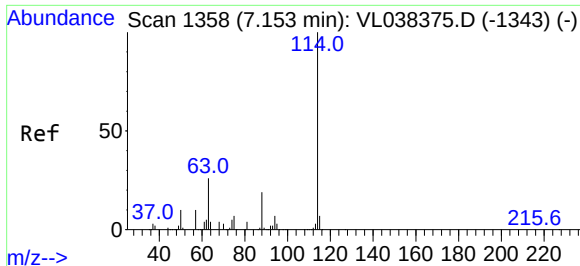


#32
1,1,1-Trichloroethane
Concen: 0.034 ppbv m
RT: 6.507 min Scan# 1157
Delta R.T. 0.019 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18



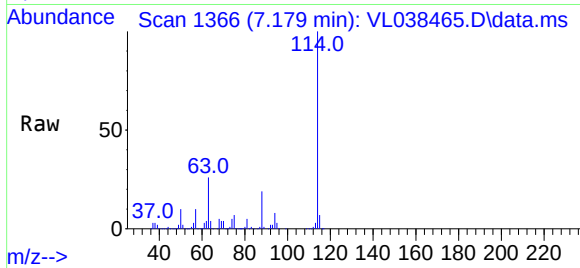
Tgt Ion: 97 Resp: 5254
Ion Ratio Lower Upper
97 100
99 58.9 51.9 77.9
61 55.4 40.5 60.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 114
Delta R.T. 0.026 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

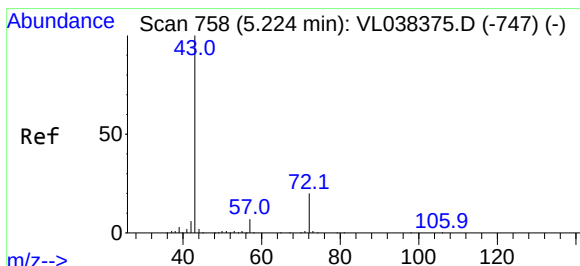
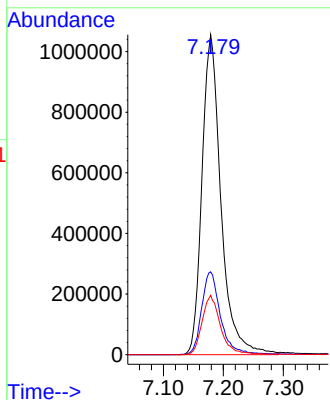
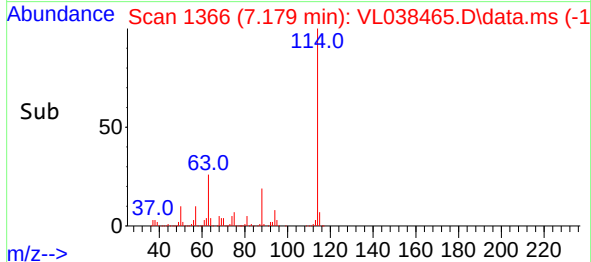
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



Tgt Ion:114 Resp: 232656
Ion Ratio Lower Upper
114 100
63 26.1 22.2 33.2
88 18.3 15.2 22.8

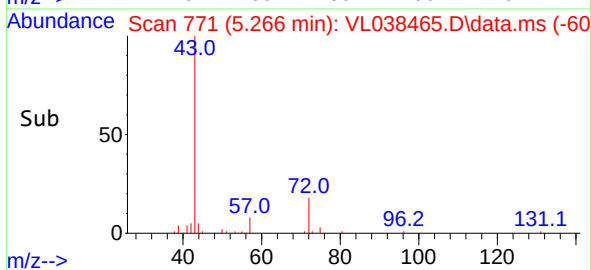
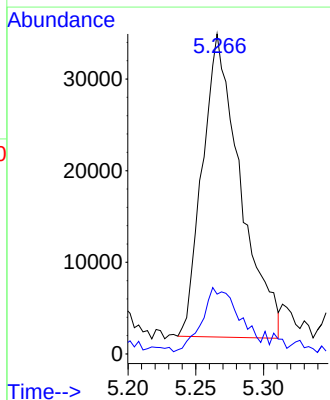
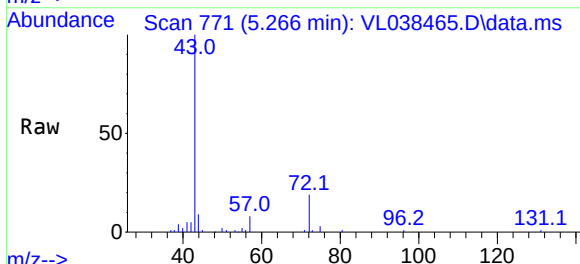
Manual Integrations
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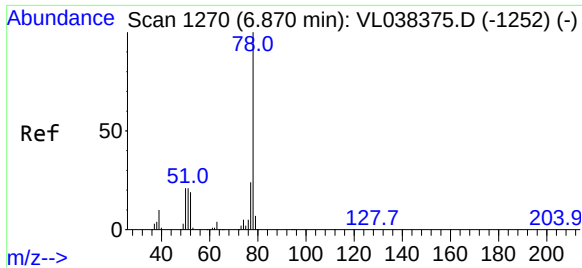
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#34
2-Butanone
Concen: 0.879 ppbv
RT: 5.266 min Scan# 771
Delta R.T. 0.042 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

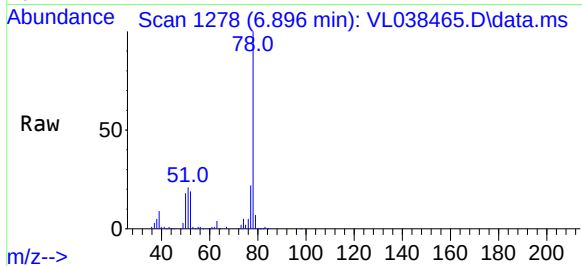
Tgt Ion: 43 Resp: 64332
Ion Ratio Lower Upper
43 100
72 28.0 17.4 26.2#





#36
Benzene
Concen: 1.739 ppbv
RT: 6.896 min Scan# 1582
Delta R.T. 0.026 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

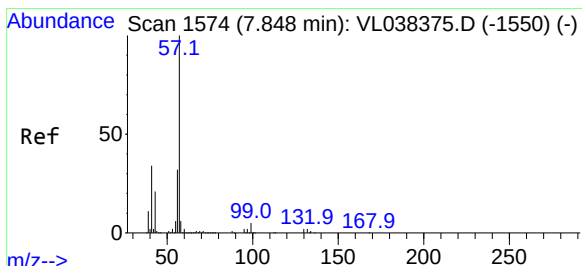
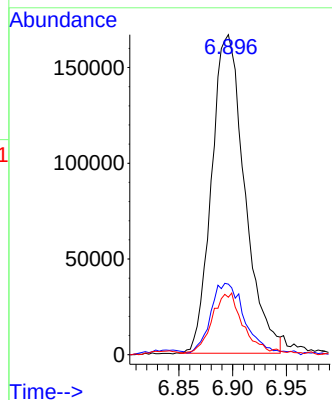
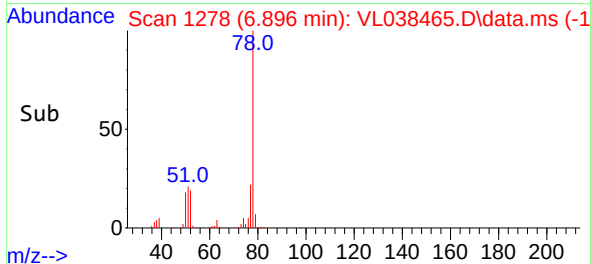
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



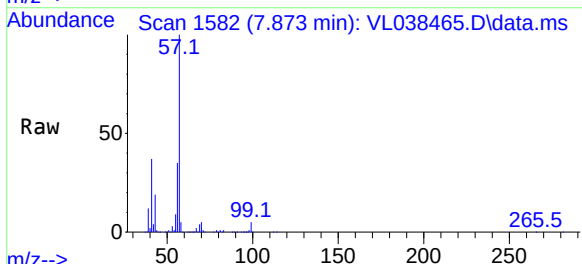
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Ion Ratio Lower Upper
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77 21.2 19.0 28.6
50 17.4 16.6 24.8

Manual Integrations
APPROVED

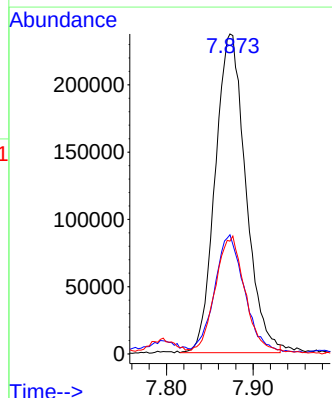
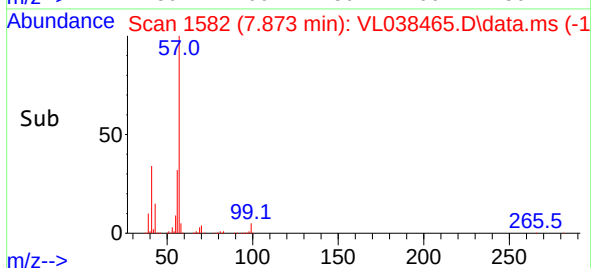
Reviewed By :Semsettin Yesilyurt 03/02/2022
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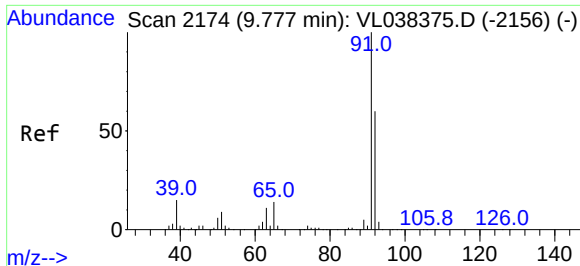


#44
2,2,4-Trimethylpentane
Concen: 1.647 ppbv
RT: 7.873 min Scan# 1582
Delta R.T. 0.026 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18



Tgt Ion: 57 Resp: 579957
Ion Ratio Lower Upper
57 100
41 37.2 26.6 39.8
56 37.1 25.0 37.6





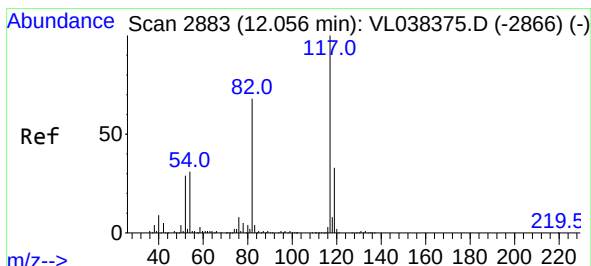
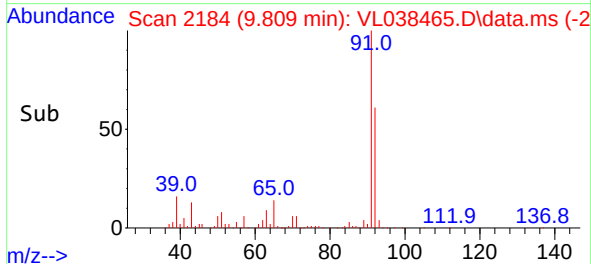
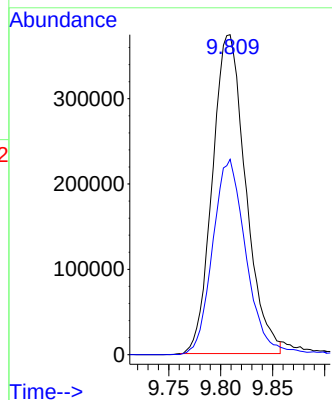
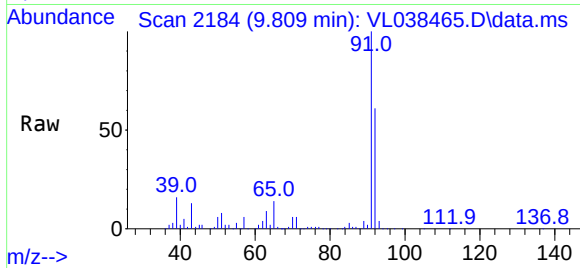
#53
Toluene
Concen: 3.745 ppbv
RT: 9.809 min Scan# 2174
Delta R.T. 0.032 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

Instrument :
MSVOA_L
ClientSampleId :
FSG2DL

Tgt Ion: 91 Resp: 83283
Ion Ratio Lower Upper
91 100
92 63.2 48.2 72.4

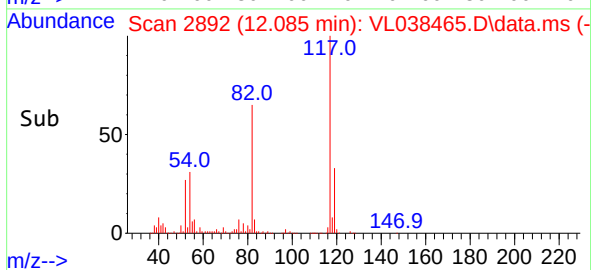
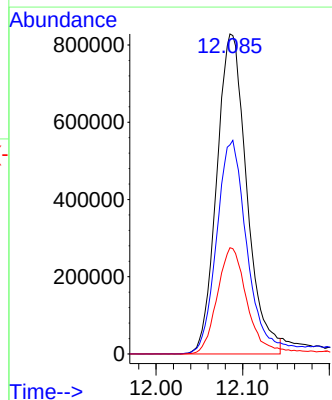
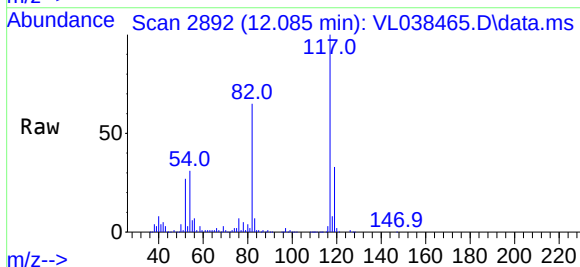
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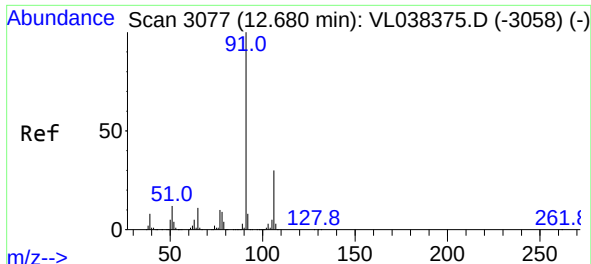
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 2892
Delta R.T. 0.029 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

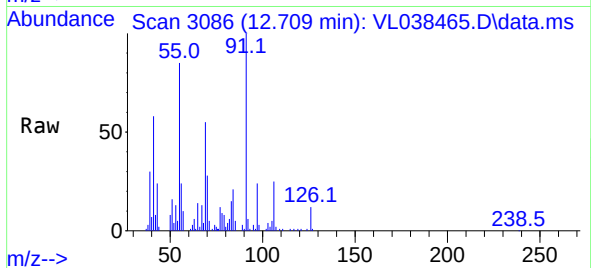
Tgt Ion:117 Resp: 1998439
Ion Ratio Lower Upper
117 100
82 72.8 54.9 82.3
119 34.6 46.1 69.1#





#58
Ethyl Benzene
Concen: 0.300 ppbv
RT: 12.709 min Scan# 3077
Delta R.T. 0.029 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

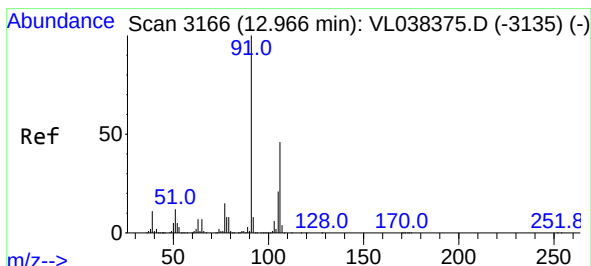
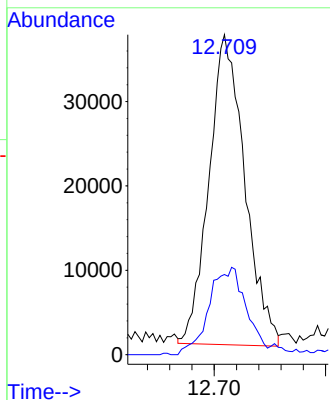
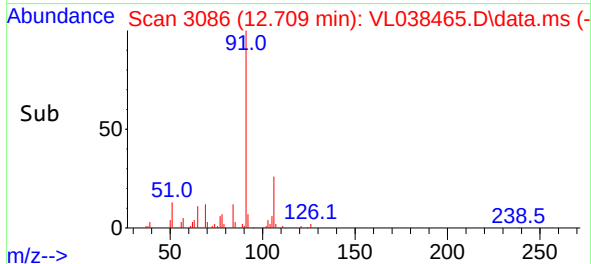
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



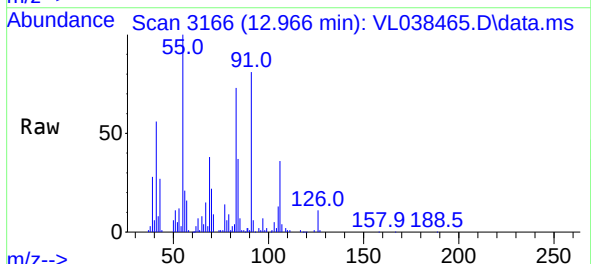
Tgt Ion: 91 Resp: 82024
Ion Ratio Lower Upper
91 100
106 26.4 24.0 36.0

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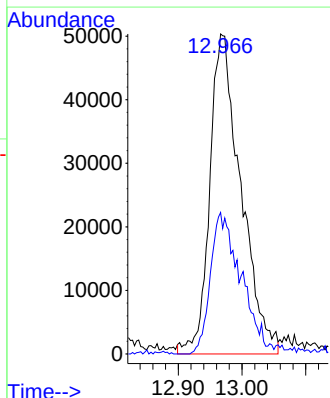
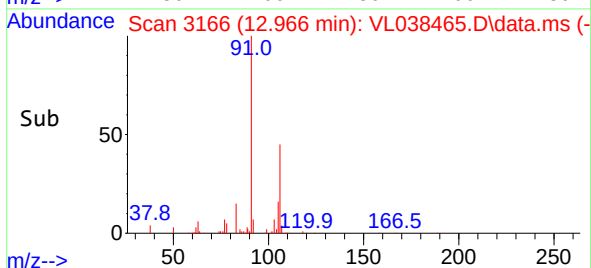
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

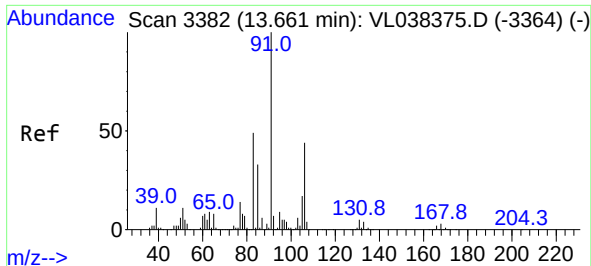


#59
m/p-Xylene
Concen: 0.727 ppbv m
RT: 12.966 min Scan# 3166
Delta R.T. 0.000 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18



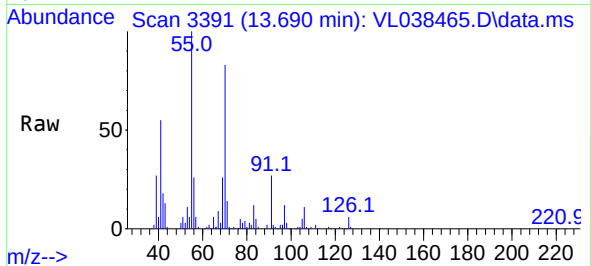
Tgt Ion: 91 Resp: 170619
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





#60
o-Xylene
Concen: 0.201 ppbv
RT: 13.690 min Scan# 3391
Delta R.T. 0.029 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

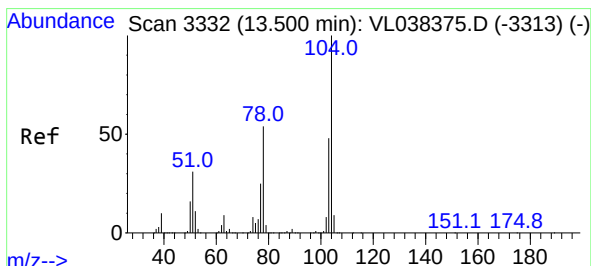
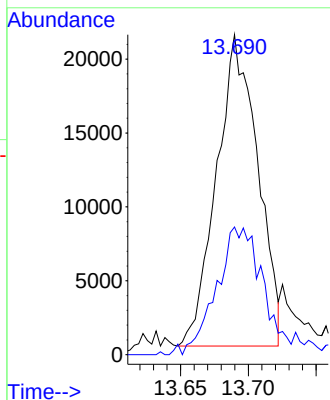
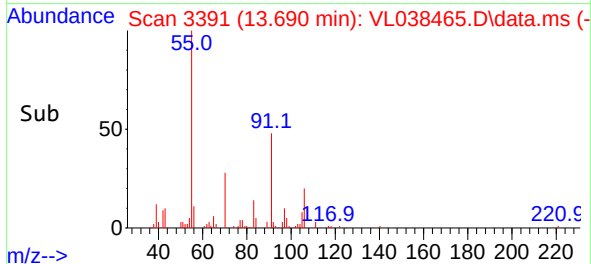
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



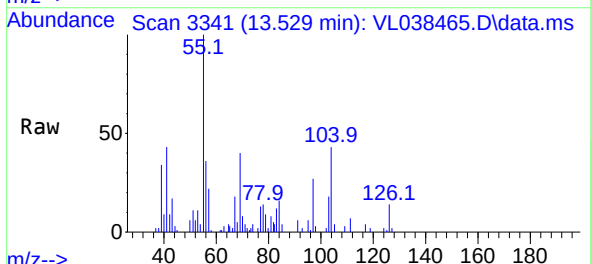
Tgt Ion: 91 Resp: 44530
Ion Ratio Lower Upper
91 100
106 48.1 21.9 65.5

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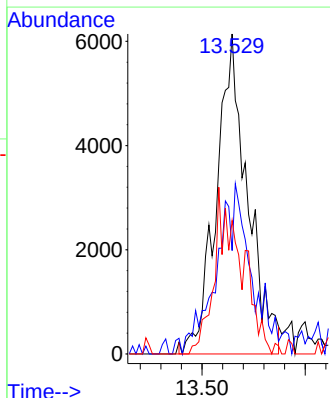
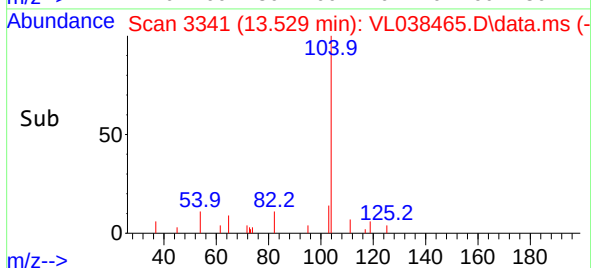
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

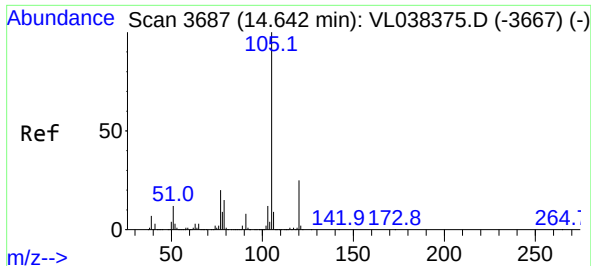


#61
Styrene
Concen: 0.126 ppbv m
RT: 13.529 min Scan# 3341
Delta R.T. 0.029 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18



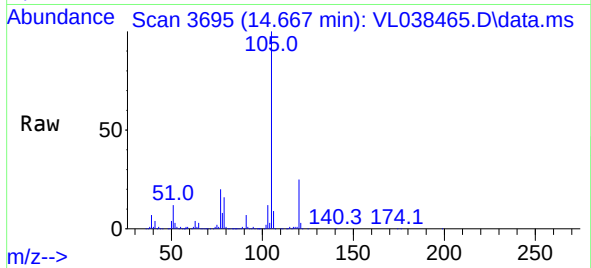
Tgt Ion:104 Resp: 12844
Ion Ratio Lower Upper
104 100
78 64.8 44.2 66.4
103 0.0 38.4 57.6#





#62
Isopropylbenzene
Concen: 3.882 ppbv
RT: 14.667 min Scan# 30
Delta R.T. 0.026 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18

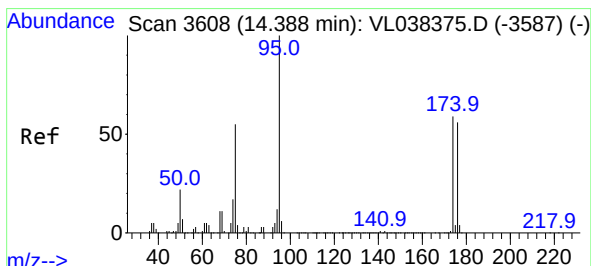
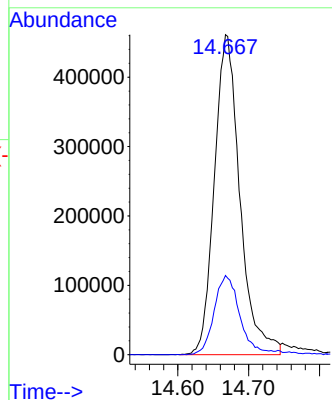
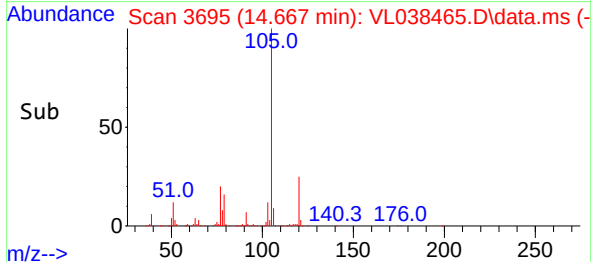
Instrument :
MSVOA_L
ClientSampleId :
FSG2DL



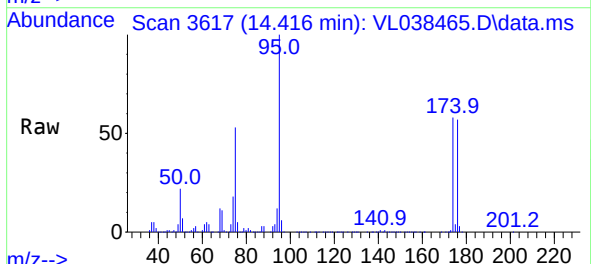
Tgt Ion:105 Resp: 115587
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.689 ppbv
RT: 14.416 min Scan# 3617
Delta R.T. 0.029 min
Lab File: VL038465.D
Acq: 2 Mar 2022 00:18



Tgt Ion: 95 Resp: 1602190
Ion Ratio Lower Upper
95 100
174 64.0 49.0 73.4
175 4.5 3.6 5.4

