

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
 Data File : VL038348.D
 Acq On : 14 Feb 2022 20:06
 Operator : SY/AP
 Sample : N1442-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022
 Supervised By :Mahesh Dadoda 02/18/2022

Quant Time: Feb 15 00:41:54 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 2022

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.645	49	796337	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	7.147	114	2042257	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.053	117	1772075	10.000	ppbv	#-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.381	95	1402550	10.428	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.300%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	2.980	51	10095662	63.683	ppbv	94
4) Chloromethane	3.131	50	27415	0.503	ppbv	100
9) Propene	3.012	41	146205m	2.833	ppbv	
10) Heptane	8.089	43	14369m	0.108	ppbv	
11) Trichlorofluoromethane	3.935	101	26565	0.201	ppbv	100
13) Ethanol	3.587	45	2868908	517.847	ppbv	98
15) Acetone	3.832	43	1100389	15.675	ppbv	96
17) tert-Butyl alcohol	4.288	59	16803	0.218	ppbv #	70
19) Isopropyl Alcohol	3.947	45	1682379	38.310	ppbv #	97
20) Methylene Chloride	4.327	84	34878	0.854	ppbv	94
25) Ethyl Acetate	5.645	43	847668	4.313	ppbv #	90
29) Chloroform	5.729	83	37725	0.253	ppbv	85
34) 2-Butanone	5.221	43	52764	0.790	ppbv	95
35) Carbon Tetrachloride	6.989	117	10026m	0.070	ppbv	
36) Benzene	6.864	78	87948	0.487	ppbv	98
52) Tetrachloroethene	11.192	164	127318	2.045	ppbv	96
53) Toluene	9.777	91	121409m	0.607	ppbv	
58) Ethyl Benzene	12.680	91	24758m	0.095	ppbv	
59) m/p-Xylene	12.934	91	72061	0.324	ppbv	94
60) o-Xylene	13.661	91	30248m	0.146	ppbv	
61) Styrene	13.497	104	14384m	0.149	ppbv	

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

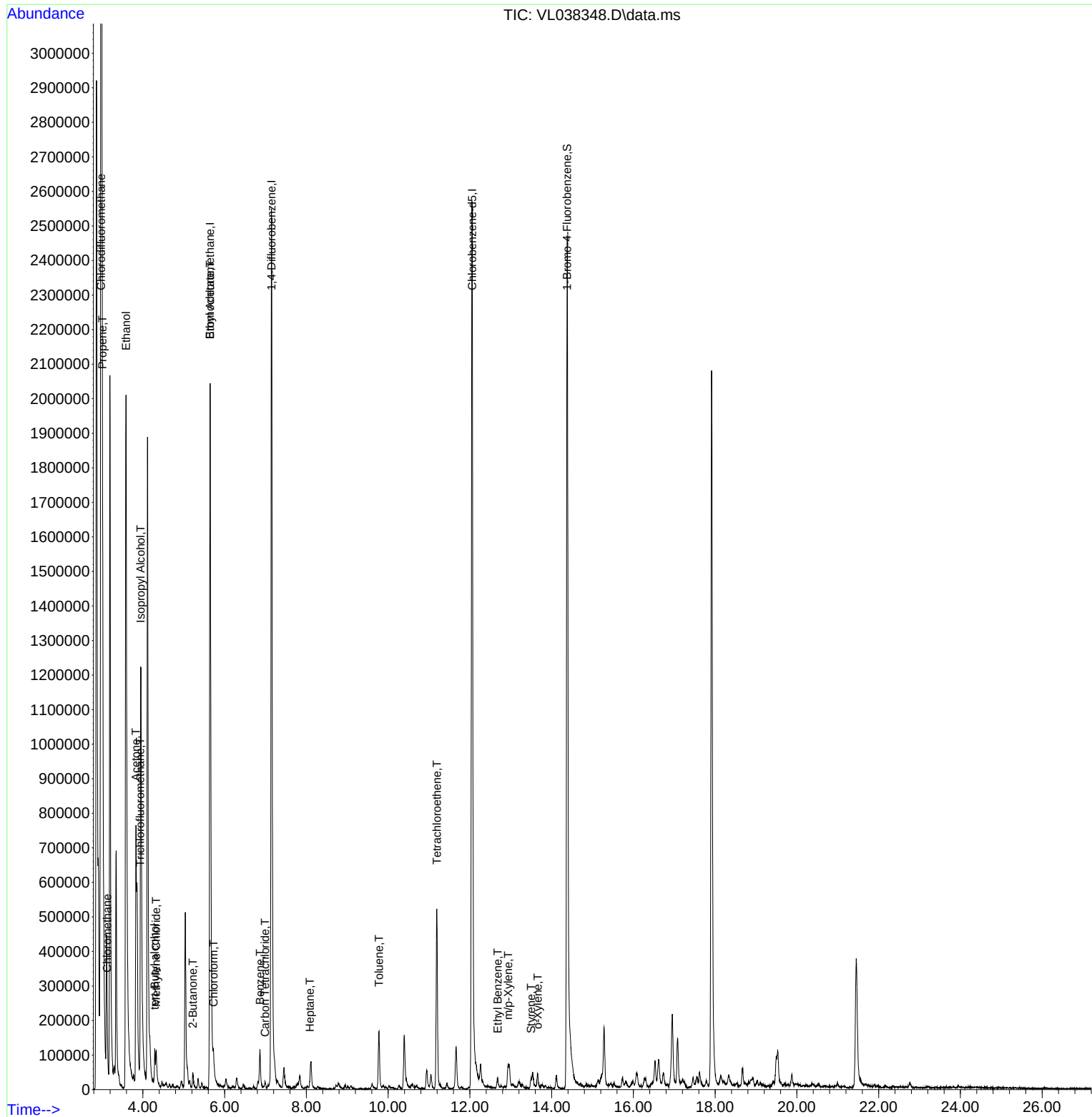
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
Data File : VL038348.D
Acq On : 14 Feb 2022 20:06
Operator : SY/AP
Sample : N1442-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

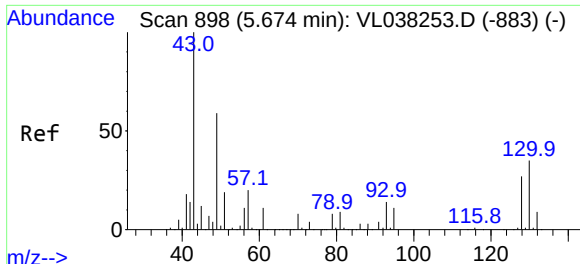
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Feb 15 00:41:54 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

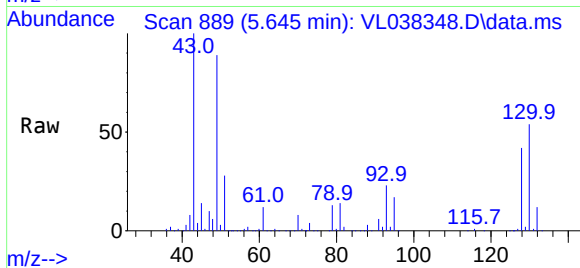
Reviewed By : Semsettin Yesilyurt 02/15/2022
Supervised By : Mahesh Dadoda 02/18/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.645 min Scan# 81
Delta R.T. -0.029 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

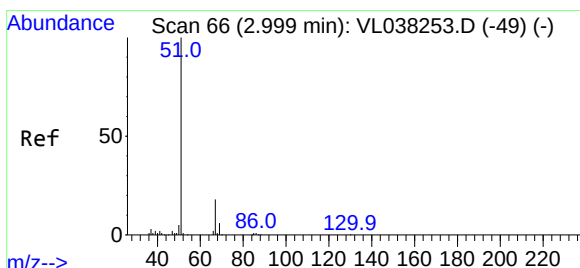
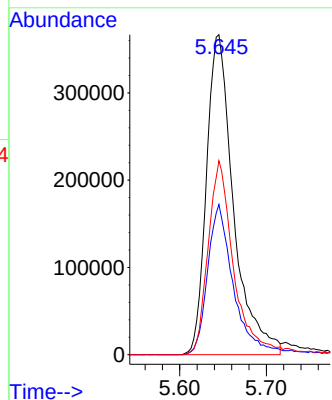
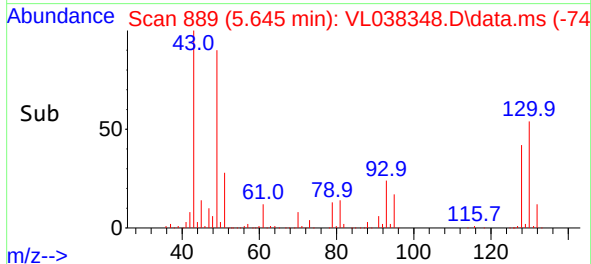
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 79633
Ion Ratio Lower Upper
49 100
128 46.5 24.5 73.5
130 58.9 30.1 90.5

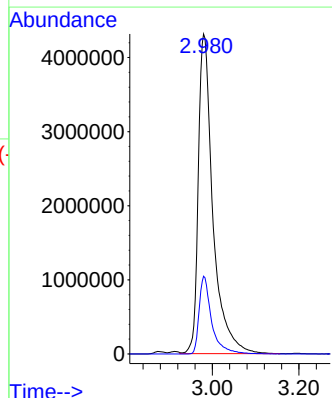
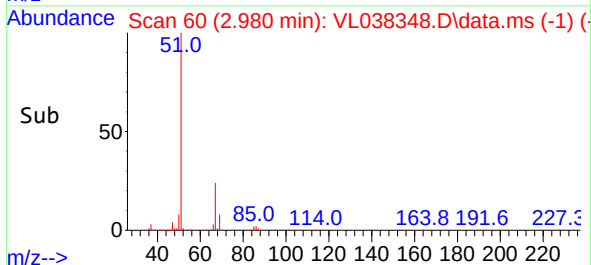
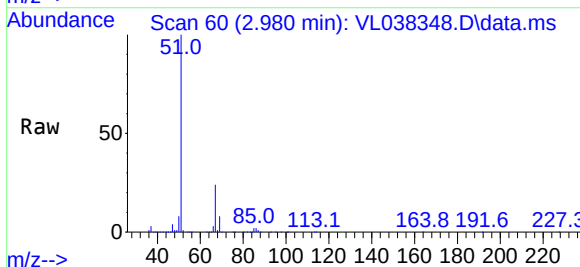
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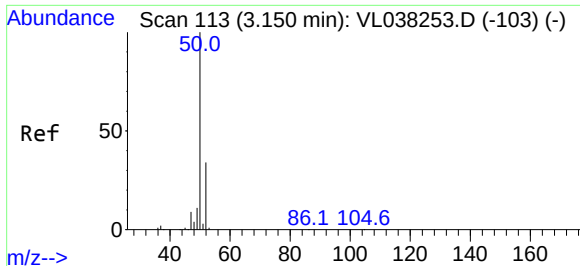
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#3
Chlorodifluoromethane
Concen: 63.683 ppbv
RT: 2.980 min Scan# 60
Delta R.T. -0.019 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

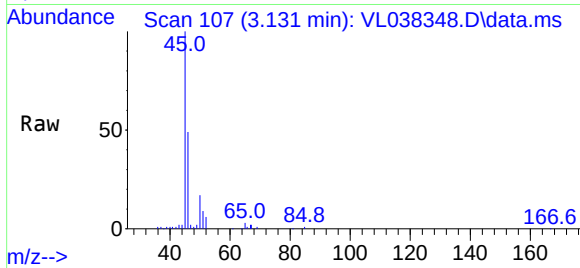
Tgt Ion: 51 Resp:10095662
Ion Ratio Lower Upper
51 100
67 20.9 14.4 21.6





#4
Chloromethane
Concen: 0.503 ppbv
RT: 3.131 min Scan# 107
Delta R.T. -0.019 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

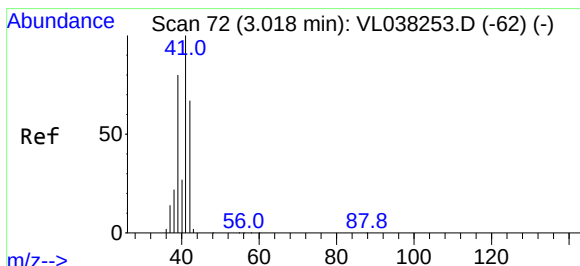
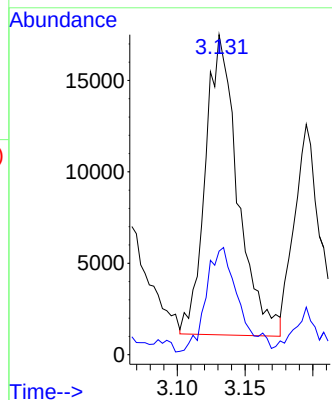
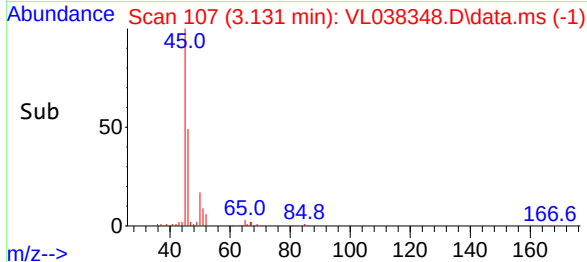
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 50 Resp: 27415
Ion Ratio Lower Upper
50 100
52 33.9 27.1 40.7

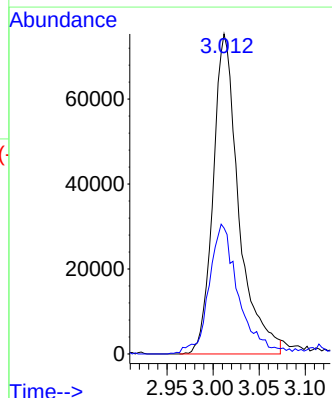
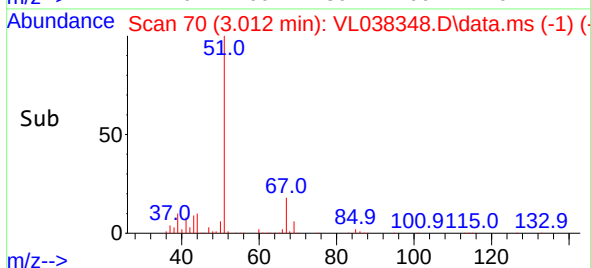
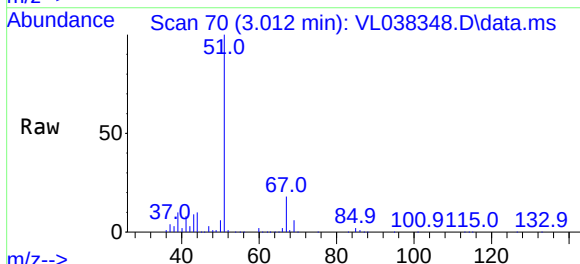
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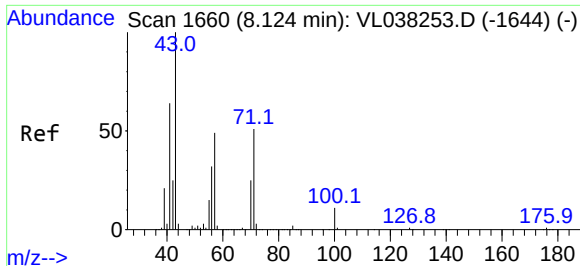
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#9
Propene
Concen: 2.833 ppbv m
RT: 3.012 min Scan# 70
Delta R.T. -0.006 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

Tgt Ion: 41 Resp: 146205
Ion Ratio Lower Upper
41 100
42 340.5 54.9 82.3#





#10

Heptane

Concen: 0.108 ppbv m

RT: 8.089 min Scan# 1

Delta R.T. -0.035 min

Lab File: VL038348.D

Acq: 14 Feb 2022 20:06

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 43 Resp: 14369

Ion Ratio Lower Upper

43 100

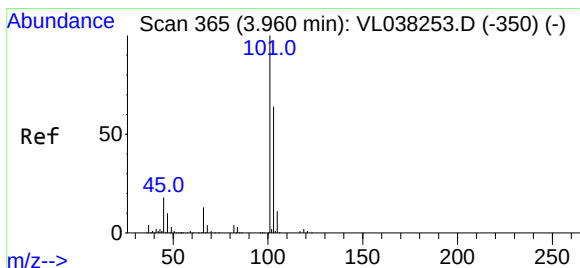
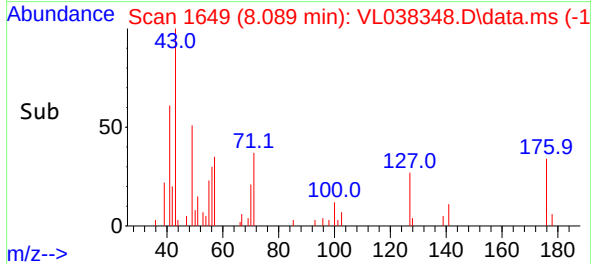
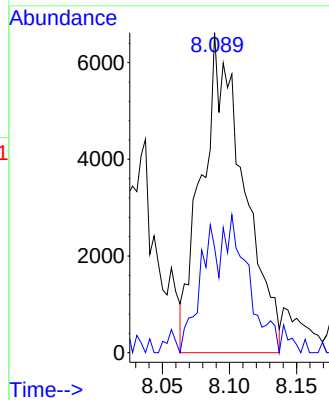
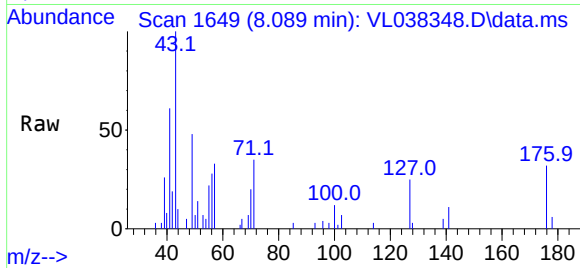
57 0.0 39.5 59.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/15/2022

Supervised By :Mahesh Dadoda 02/18/2022



#11

Trichlorofluoromethane

Concen: 0.201 ppbv

RT: 3.935 min Scan# 357

Delta R.T. -0.026 min

Lab File: VL038348.D

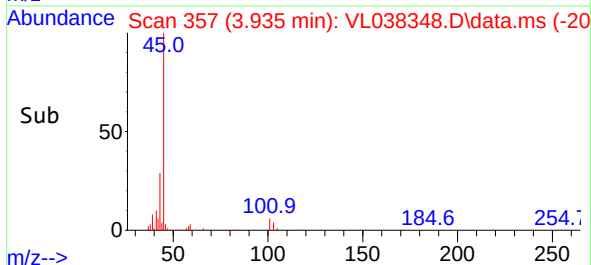
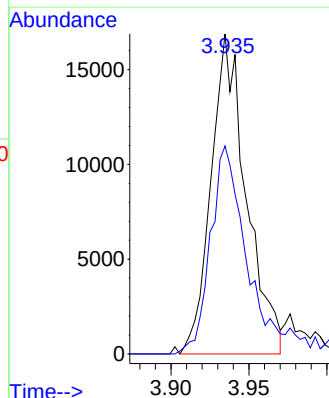
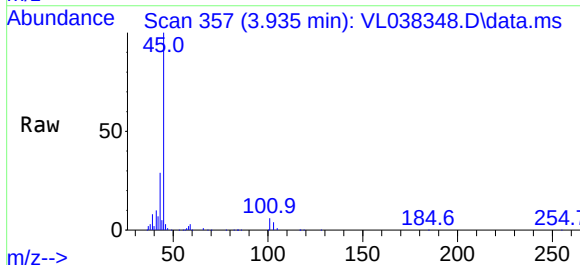
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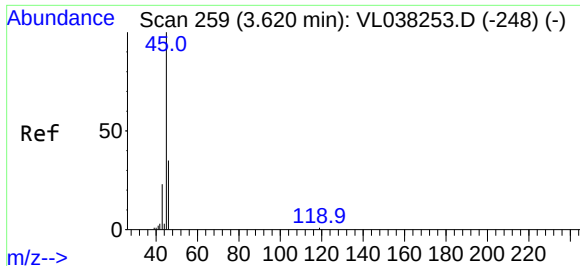
Tgt Ion:101 Resp: 26565

Ion Ratio Lower Upper

101 100

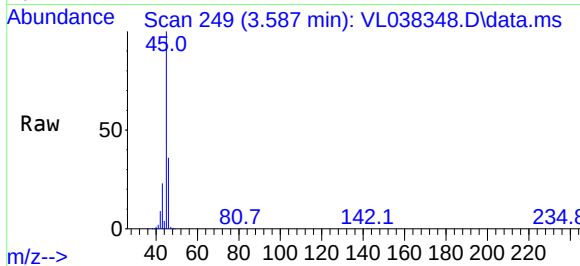
103 64.1 51.2 76.8





#13
Ethanol
Concen: 517.847 ppbv
RT: 3.587 min Scan# 249
Delta R.T. -0.032 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

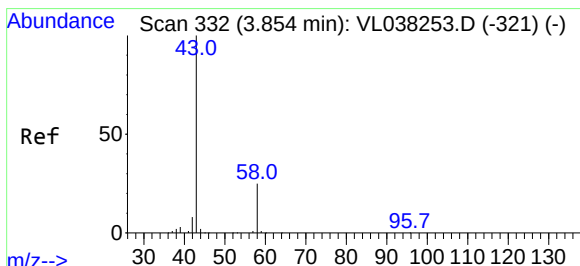
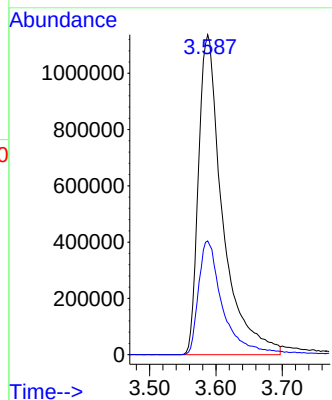
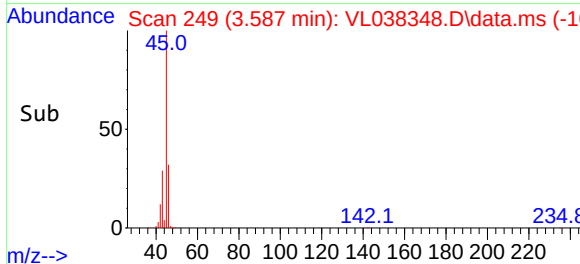
Instrument :
MSVOA_L
ClientSampleId :
IA1



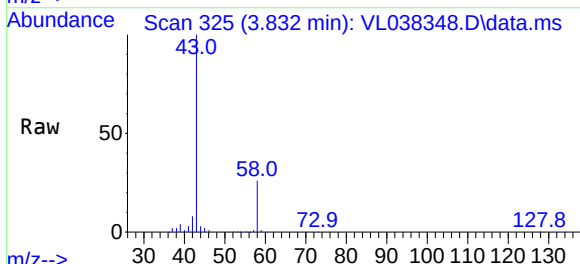
Tgt Ion: 45 Resp: 2868908
Ion Ratio Lower Upper
45 100
46 37.1 15.4 61.6

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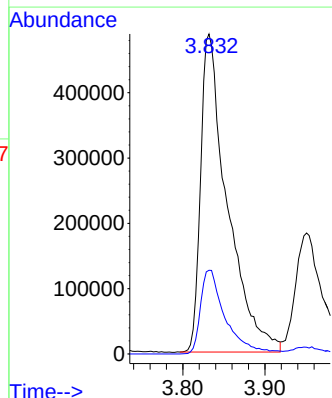
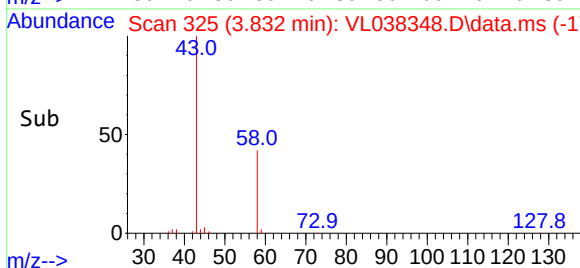
Reviewed By :Semsettin Yesilyurt 02/15/2022
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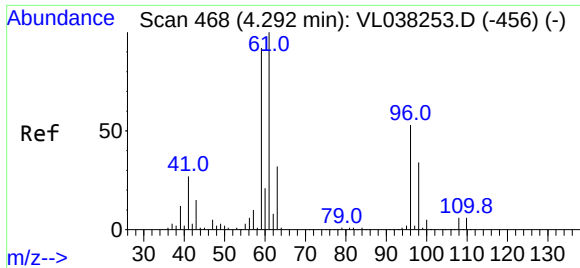


#15
Acetone
Concen: 15.675 ppbv
RT: 3.832 min Scan# 325
Delta R.T. -0.022 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06



Tgt Ion: 43 Resp: 1100389
Ion Ratio Lower Upper
43 100
58 24.7 21.5 32.3





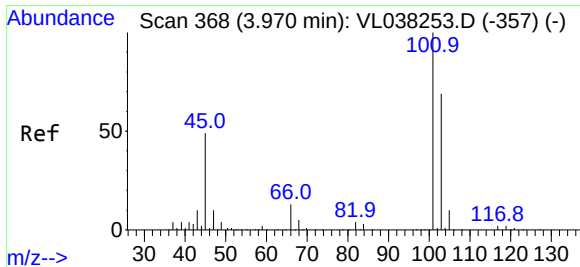
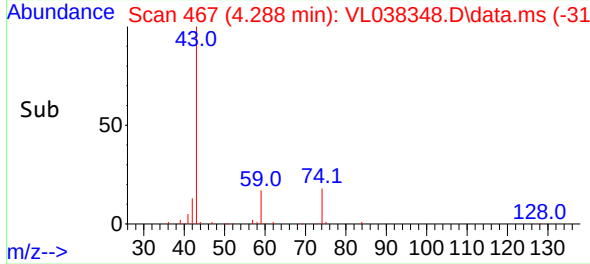
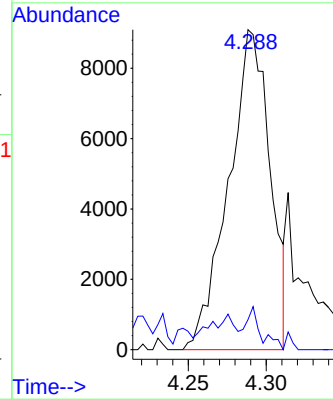
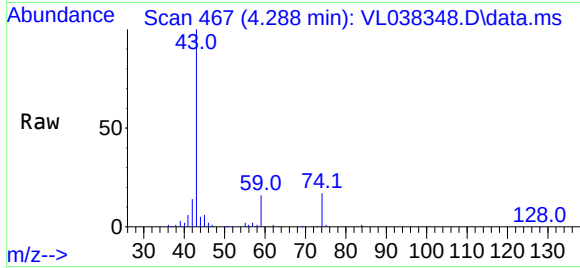
#17
tert-Butyl alcohol
Concen: 0.218 ppbv
RT: 4.288 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 59 Resp: 1680
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8

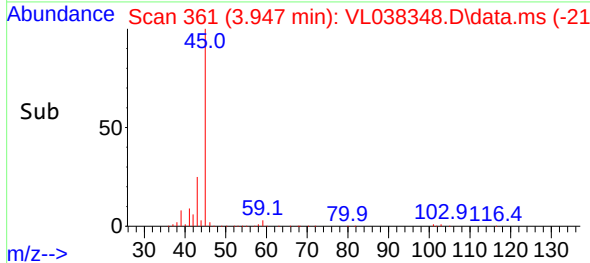
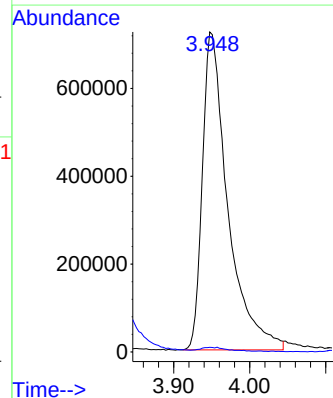
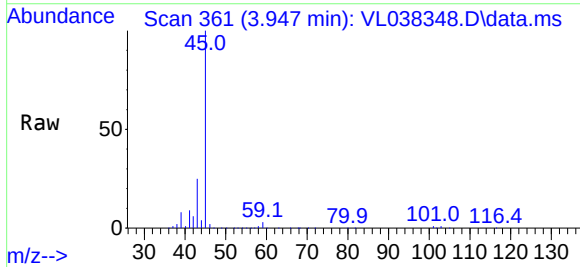
Manual Integrations
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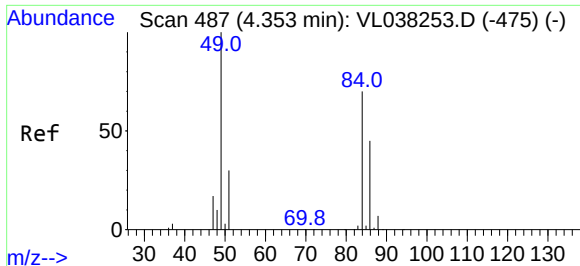
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#19
Isopropyl Alcohol
Concen: 38.310 ppbv
RT: 3.947 min Scan# 361
Delta R.T. -0.023 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

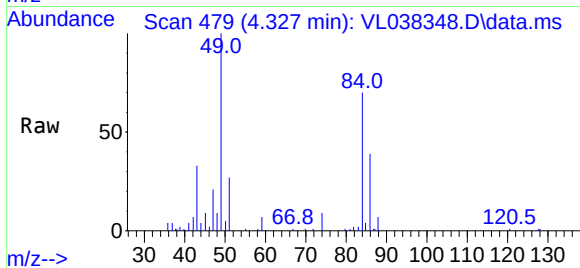
Tgt Ion: 45 Resp: 1682379
Ion Ratio Lower Upper
45 100
58 2.0 2.3 3.5





#20
Methylene Chloride
Concen: 0.854 ppbv
RT: 4.327 min Scan# 41
Delta R.T. -0.026 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

Instrument :
MSVOA_L
ClientSampleId :
IA1

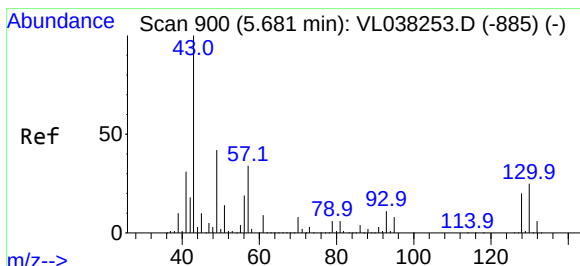
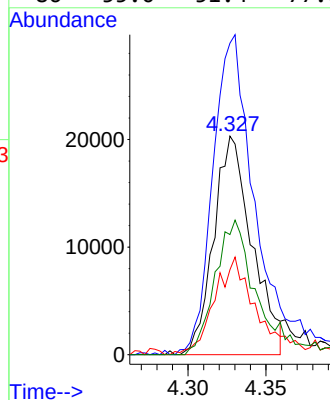
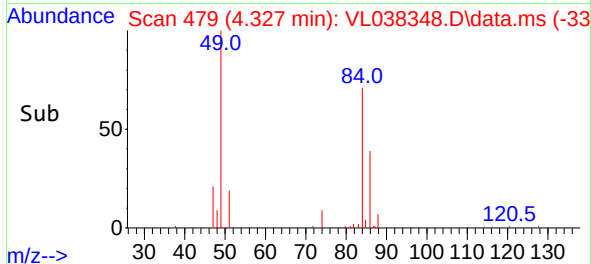


Tgt Ion: 84 Resp: 34878

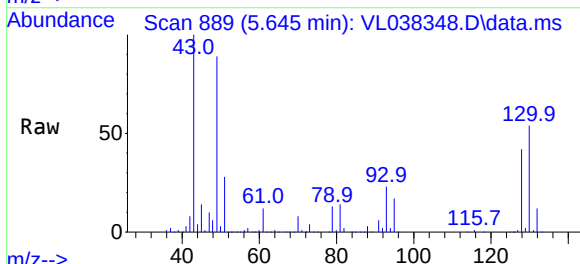
Ion	Ratio	Lower	Upper
84	100		
49	140.2	115.0	172.6
51	37.9	35.0	52.6
86	55.0	51.4	77.0

Manual Integrations
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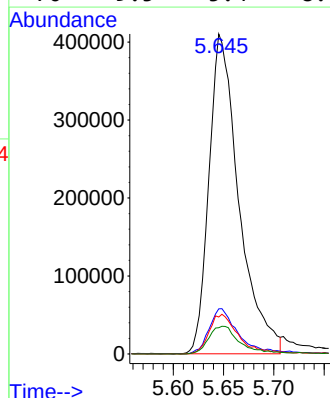
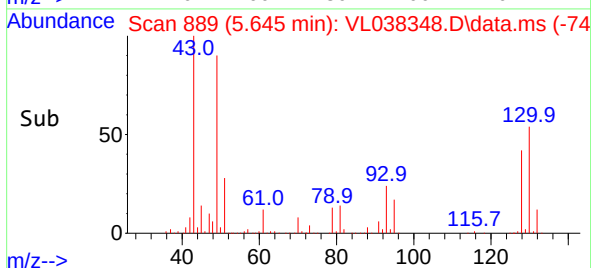


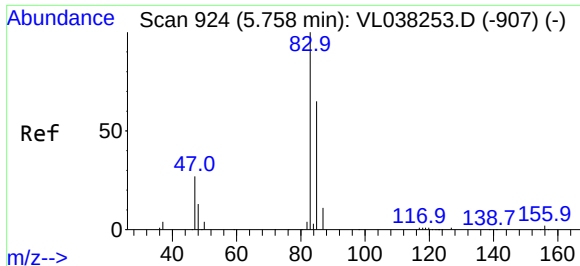
#25
Ethyl Acetate
Concen: 4.313 ppbv
RT: 5.645 min Scan# 889
Delta R.T. -0.035 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06



Tgt Ion: 43 Resp: 847668

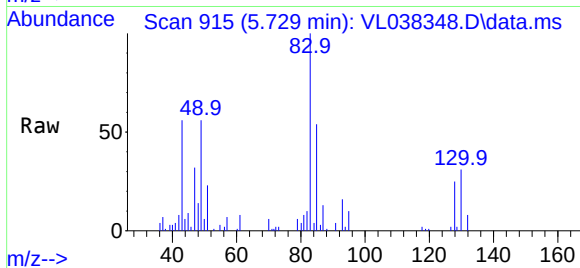
Ion	Ratio	Lower	Upper
43	100		
45	14.7	7.9	11.9#
61	12.9	7.8	11.8#
70	9.5	5.4	8.0#





#29
Chloroform
Concen: 0.253 ppbv
RT: 5.729 min Scan# 915
Delta R.T. -0.029 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

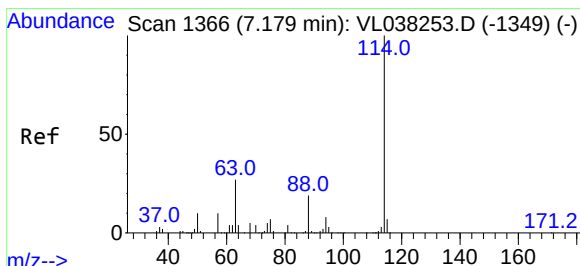
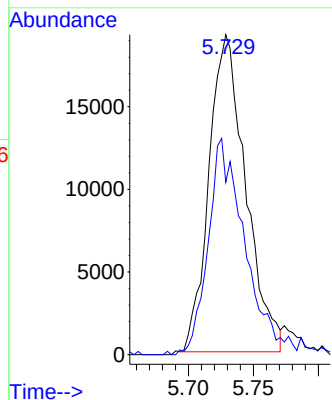
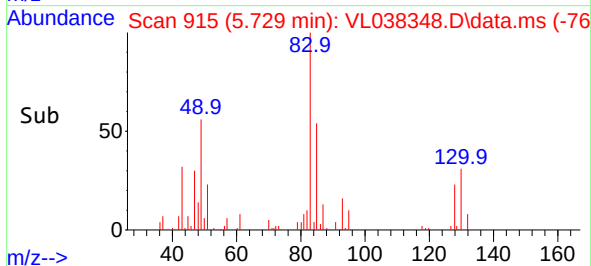
Instrument :
MSVOA_L
ClientSampleId :
IA1



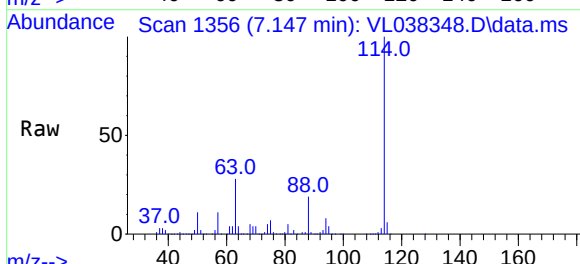
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Ion Ratio Lower Upper
83 100
85 52.9 51.9 77.9

Manual Integrations
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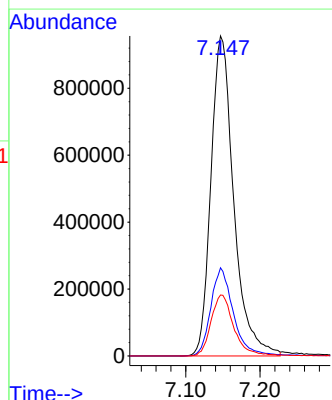
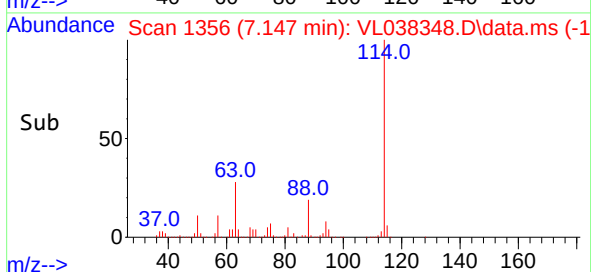
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

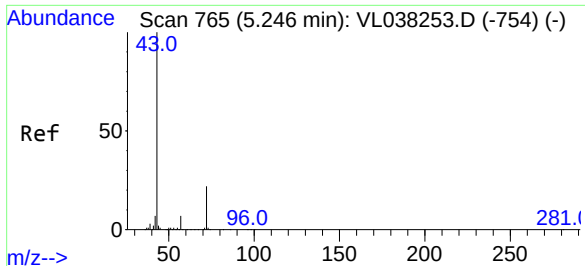


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.147 min Scan# 1356
Delta R.T. -0.032 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06



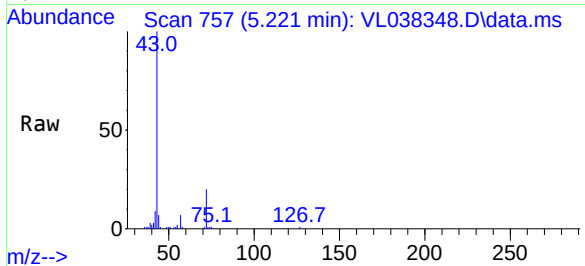
Tgt Ion:114 Resp: 2042257
Ion Ratio Lower Upper
114 100
63 27.5 22.0 33.0
88 19.2 15.0 22.6





#34
2-Butanone
Concen: 0.790 ppbv
RT: 5.221 min Scan# 71
Delta R.T. -0.026 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

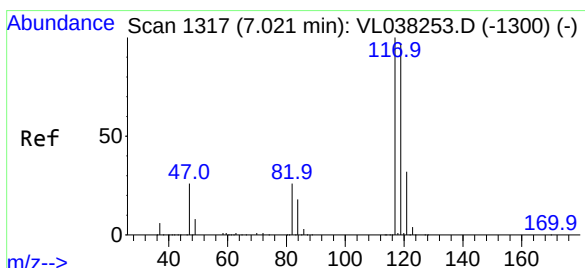
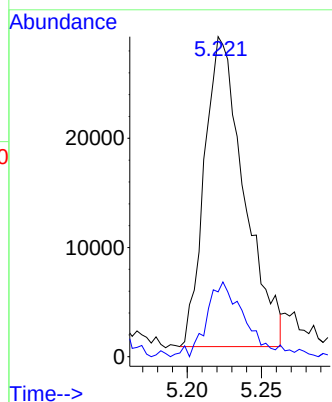
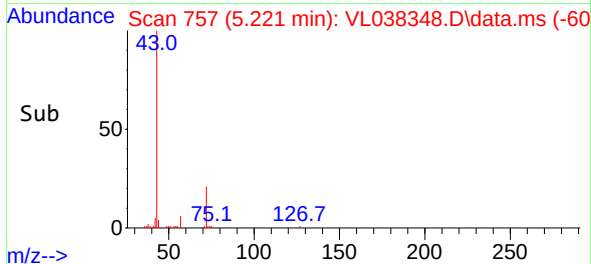
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 52764
Ion Ratio Lower Upper
43 100
72 24.8 18.1 27.1

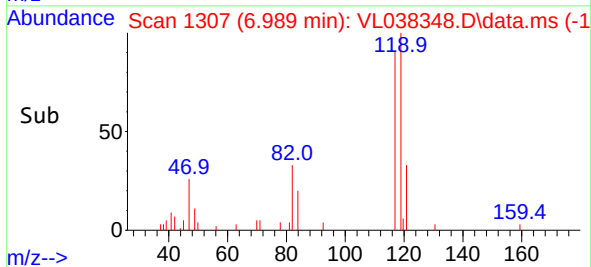
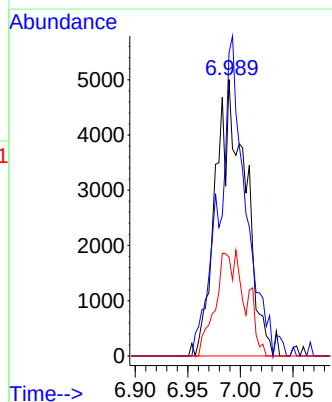
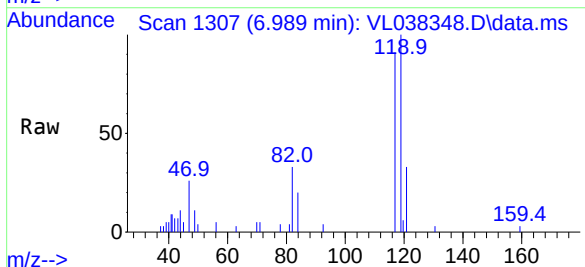
Manual Integrations
APPROVED

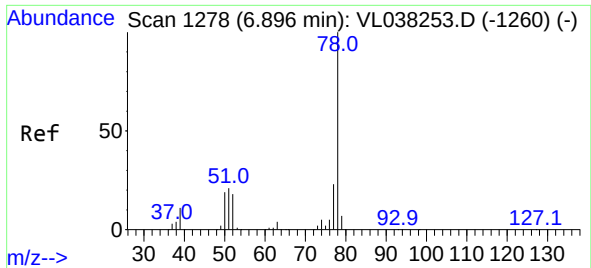
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.989 min Scan# 1307
Delta R.T. -0.032 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

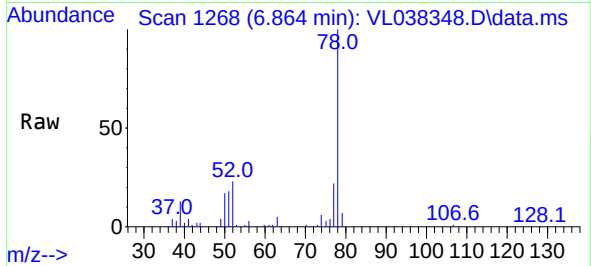
Tgt Ion:117 Resp: 10026
Ion Ratio Lower Upper
117 100
119 109.6 77.9 116.9
121 35.8 25.4 38.2





#36
Benzene
Concen: 0.487 ppbv
RT: 6.864 min Scan# 11
Delta R.T. -0.032 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

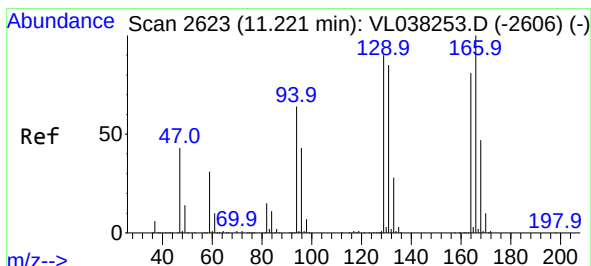
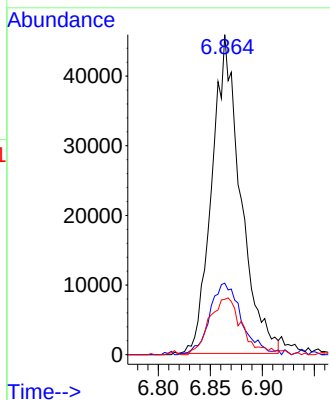
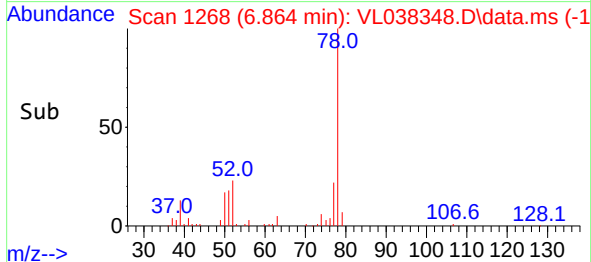
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 78 Resp: 87948
Ion Ratio Lower Upper
78 100
77 22.5 18.2 27.2
50 17.0 15.1 22.7

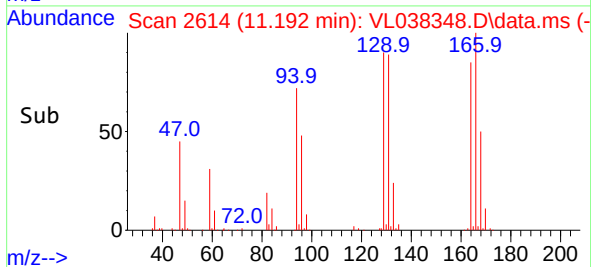
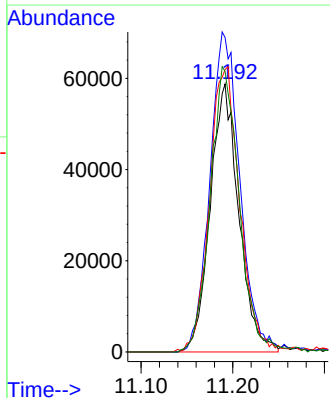
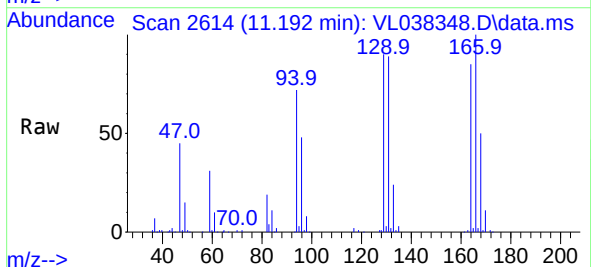
Manual Integrations
APPROVED

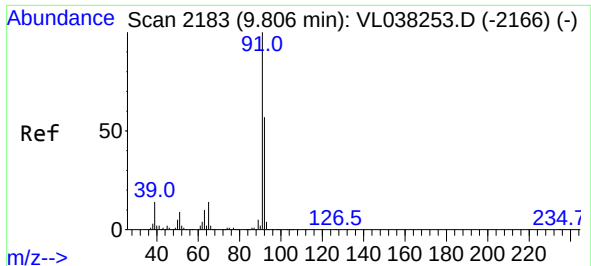
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#52
Tetrachloroethene
Concen: 2.045 ppbv
RT: 11.192 min Scan# 2614
Delta R.T. -0.029 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

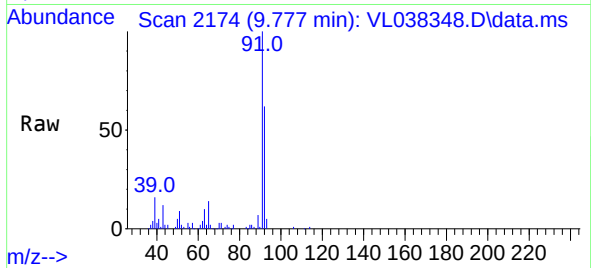
Tgt Ion:164 Resp: 127318
Ion Ratio Lower Upper
164 100
166 117.3 98.8 148.2
129 104.4 89.2 133.8
131 104.7 83.6 125.4





#53
Toluene
Concen: 0.607 ppbv m
RT: 9.777 min Scan# 2183
Delta R.T. -0.029 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

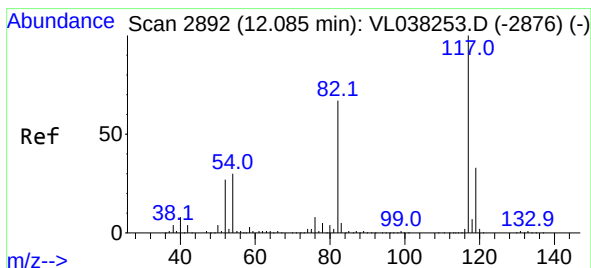
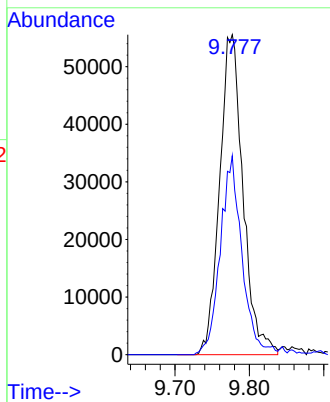
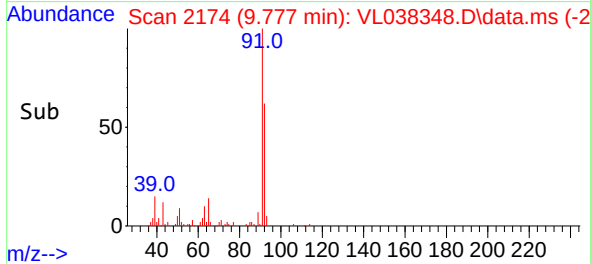
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 121409
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0

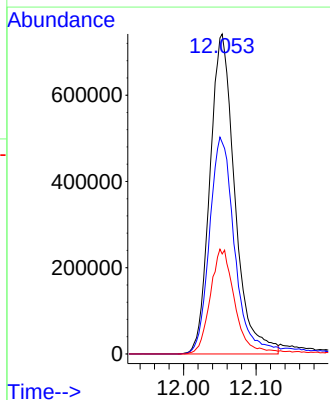
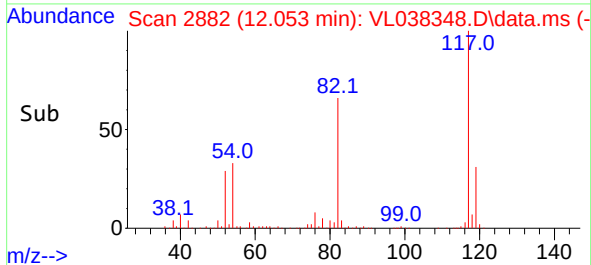
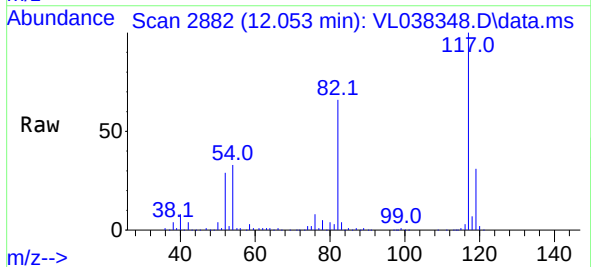
Manual Integrations
APPROVED

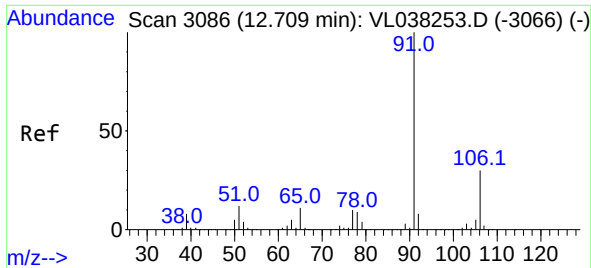
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.053 min Scan# 2882
Delta R.T. -0.032 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

Tgt Ion:117 Resp: 1772075
Ion Ratio Lower Upper
117 100
82 71.6 54.4 81.6
119 33.6 45.9 68.9





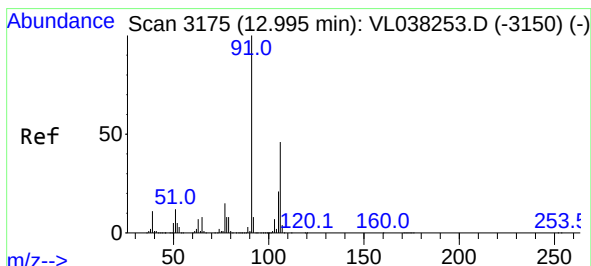
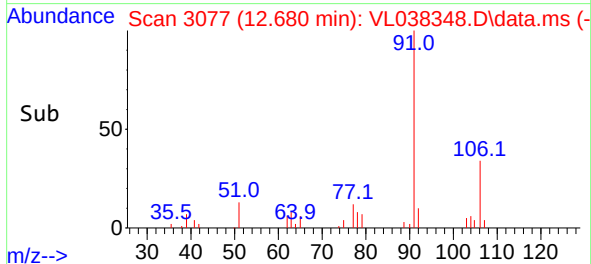
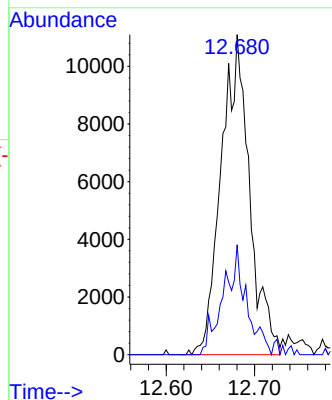
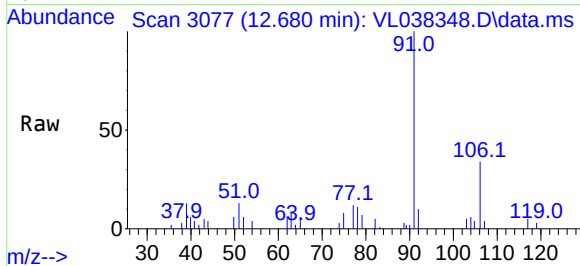
#58
Ethyl Benzene
Concen: 0.095 ppbv m
RT: 12.680 min Scan# 3086
Delta R.T. -0.029 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 24758
Ion Ratio Lower Upper
91 100
106 34.3 24.1 36.1

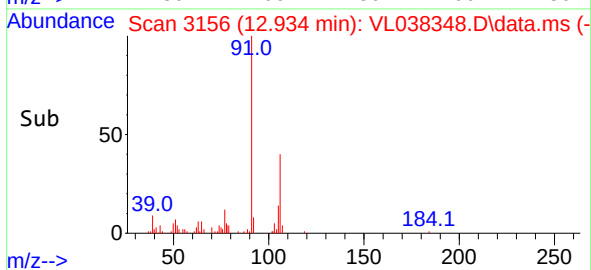
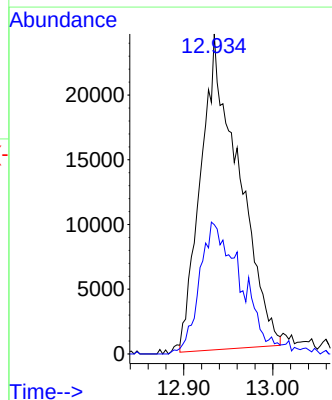
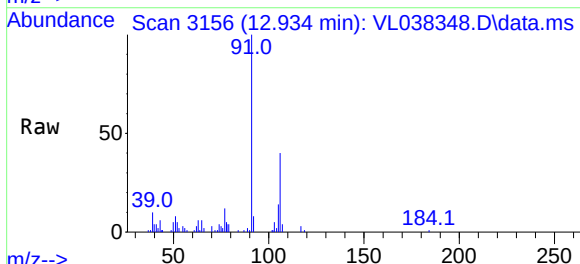
Manual Integrations
APPROVED

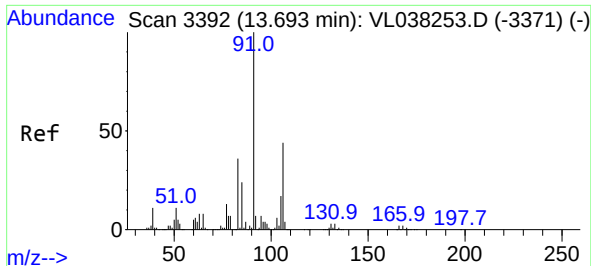
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#59
m/p-Xylene
Concen: 0.324 ppbv
RT: 12.934 min Scan# 3156
Delta R.T. -0.061 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

Tgt Ion: 91 Resp: 72061
Ion Ratio Lower Upper
91 100
106 47.2 34.8 52.2





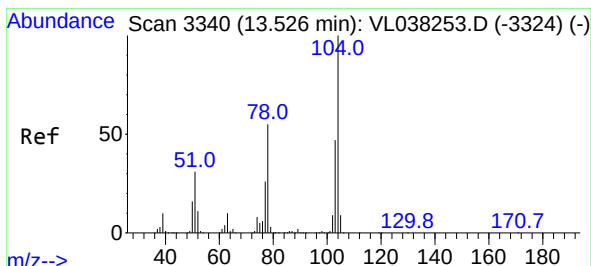
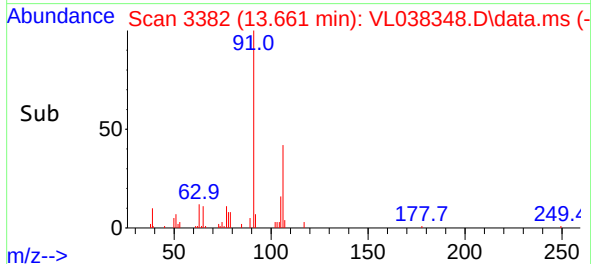
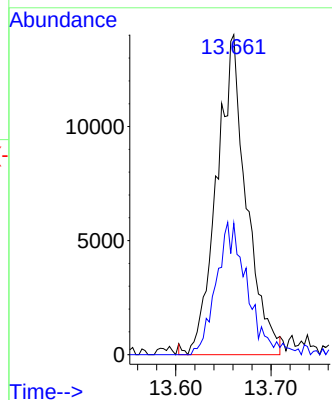
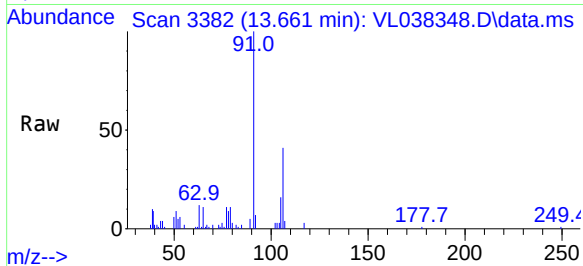
#60
o-Xylene
Concen: 0.146 ppbv m
RT: 13.661 min Scan# 3382
Delta R.T. -0.032 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 3024
Ion Ratio Lower Upper
91 100
106 0.0 22.2 66.6

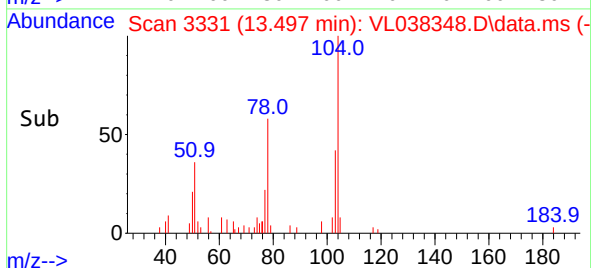
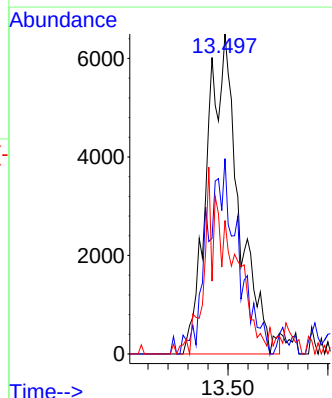
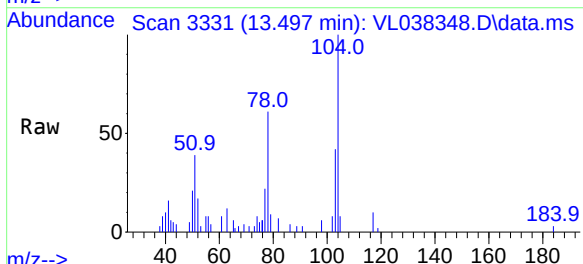
Manual Integrations
APPROVED

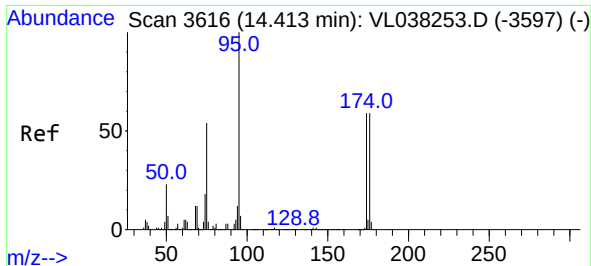
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#61
Styrene
Concen: 0.149 ppbv m
RT: 13.497 min Scan# 3331
Delta R.T. -0.029 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

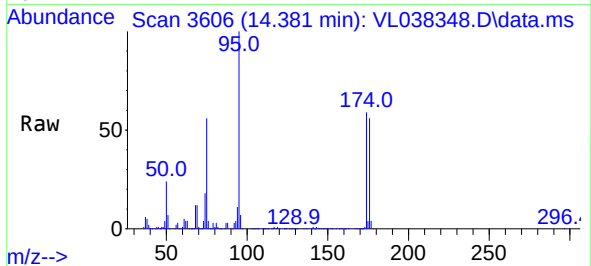
Tgt Ion:104 Resp: 14384
Ion Ratio Lower Upper
104 100
78 59.5 44.2 66.4
103 0.0 38.2 57.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.428 ppbv
RT: 14.381 min Scan# 30
Delta R.T. -0.032 min
Lab File: VL038348.D
Acq: 14 Feb 2022 20:06

Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 95 Resp: 1402550
Ion Ratio Lower Upper
95 100
174 60.4 48.3 72.5
175 4.6 3.5 5.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

