

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038453.D
 Acq On : 1 Mar 2022 16:28
 Operator : SY/AP
 Sample : N1720-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 03:06:23 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.668	49	902471	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	2282600	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.082	117	2041622	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	1603049	9.490	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.060	85	16377m	0.115	ppbv	
9) Propene	3.021	41	31165	0.592	ppbv	100
10) Heptane	8.121	43	61347	0.479	ppbv	91
13) Ethanol	3.632	45	20236m	3.854	ppbv	
15) Acetone	3.873	43	146999	1.915	ppbv	# 84
19) Isopropyl Alcohol	4.002	45	13615m	0.306	ppbv	
20) Methylene Chloride	4.349	84	30592	0.805	ppbv	98
26) Hexane	5.693	57	656277	7.029	ppbv	# 27
28) Methyl tert-Butyl Ether	5.060	73	25539m	0.269	ppbv	
29) Chloroform	5.751	83	160949	1.056	ppbv	94
34) 2-Butanone	5.269	43	34855	0.486	ppbv	# 76
52) Tetrachloroethene	11.224	164	876376	13.138	ppbv	98
53) Toluene	9.803	91	42125	0.193	ppbv	91
59) m/p-Xylene	12.963	91	49075m	0.205	ppbv	
60) o-Xylene	13.687	91	24208m	0.107	ppbv	
61) Styrene	13.529	104	23037m	0.220	ppbv	
62) Isopropylbenzene	14.664	105	83709	0.275	ppbv	96

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

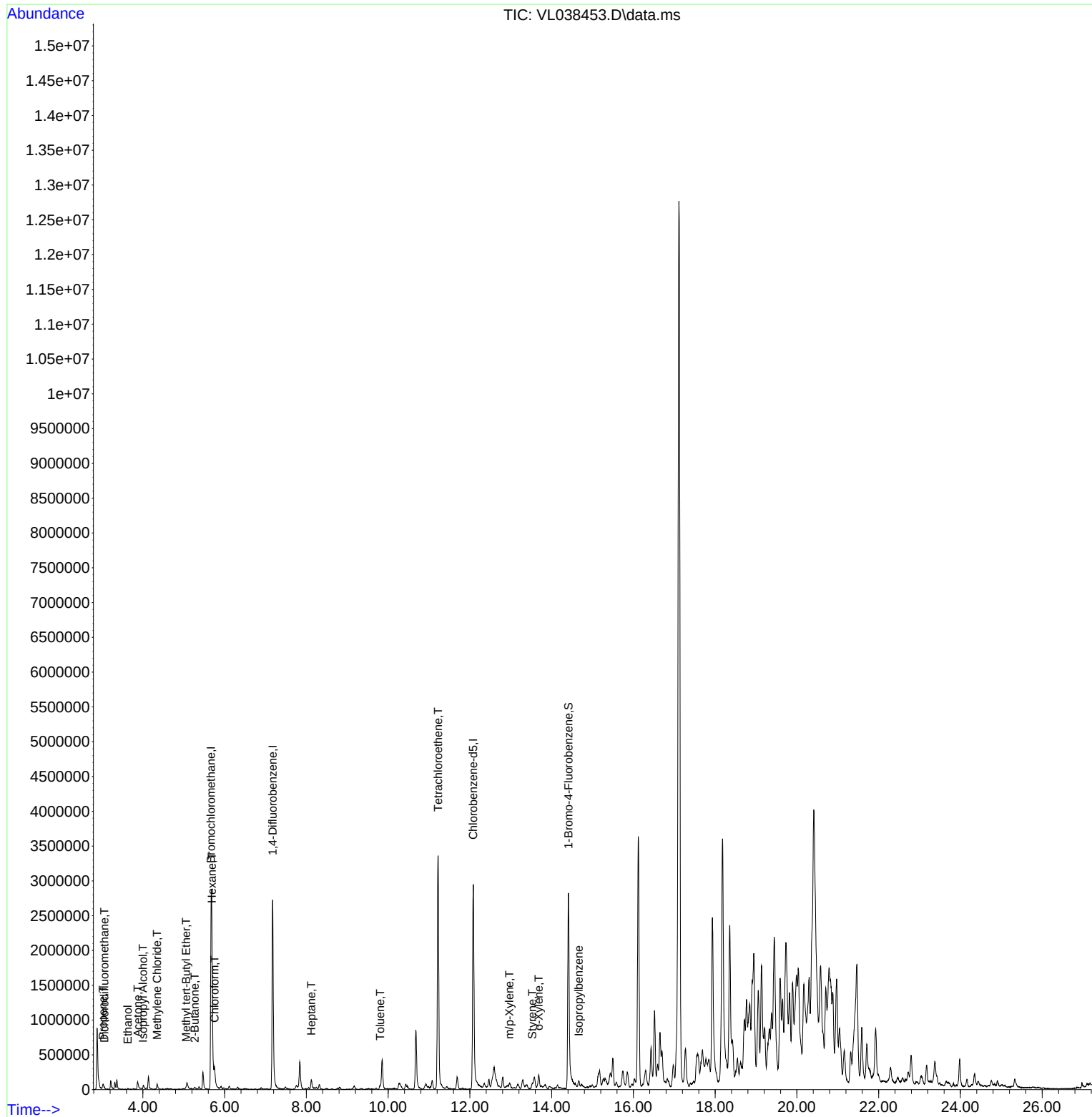
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
Data File : VL038453.D
Acq On : 1 Mar 2022 16:28
Operator : SY/AP
Sample : N1720-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

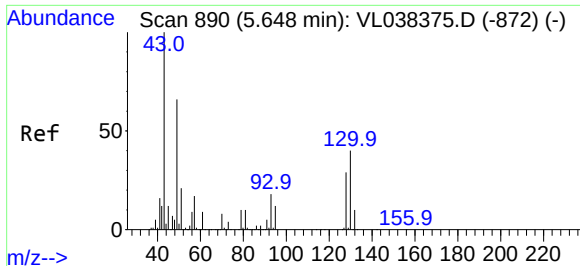
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Mar 02 03:06:23 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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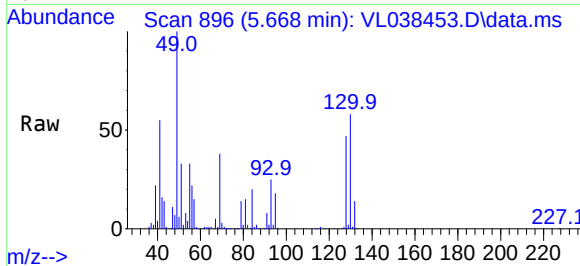
Reviewed By : Semsettin Yesilyurt 03/02/2022
Supervised By : Mahesh Dadoda 03/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 89
Delta R.T. 0.019 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

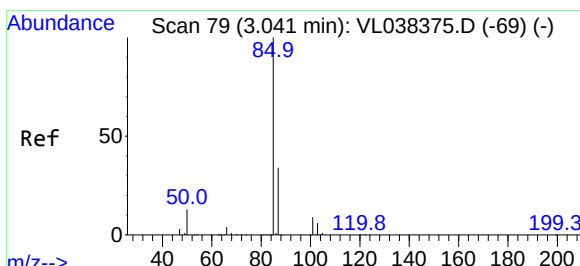
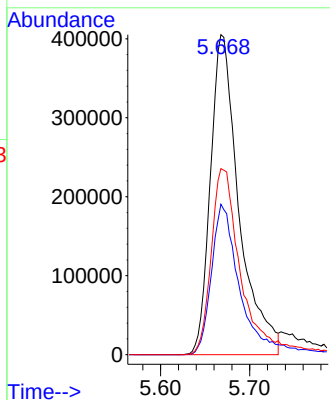
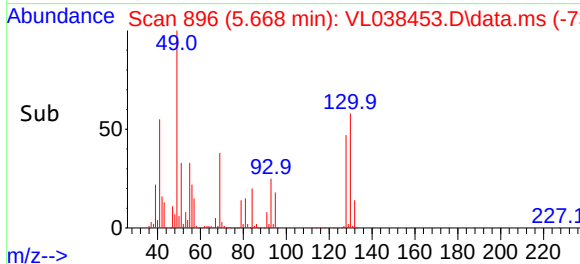
Instrument :
MSVOA_L
ClientSampleId :
SV1



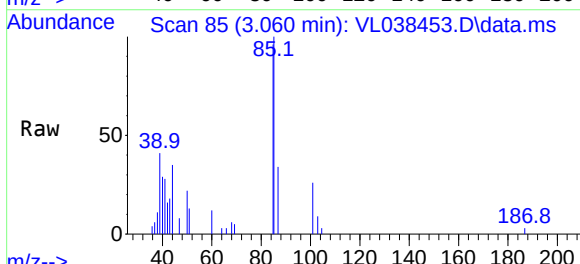
Tgt Ion: 49 Resp: 90247
Ion Ratio Lower Upper
49 100
128 49.6 24.3 72.9
130 61.7 30.1 90.5

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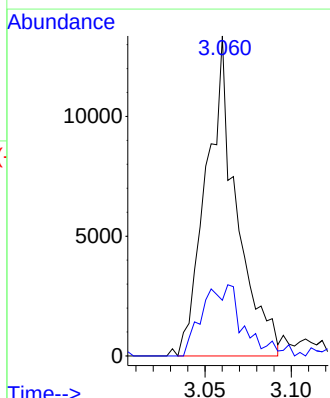
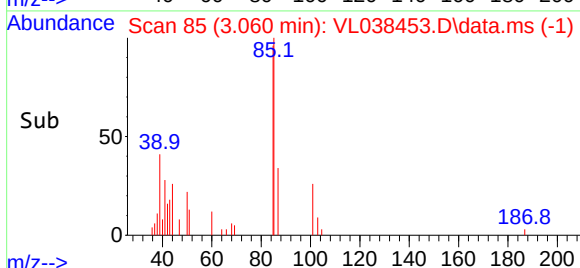
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

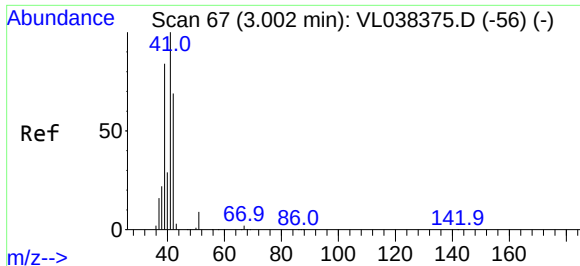


#2
Dichlorodifluoromethane
Concen: 0.115 ppbv m
RT: 3.060 min Scan# 85
Delta R.T. 0.019 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28



Tgt Ion: 85 Resp: 16377
Ion Ratio Lower Upper
85 100
87 34.1 27.4 41.0





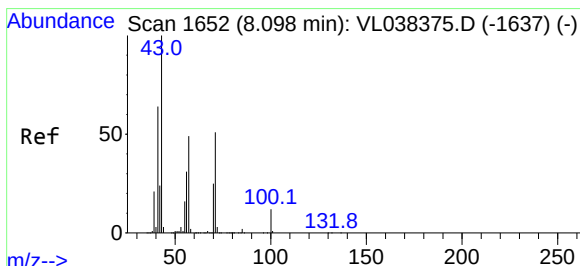
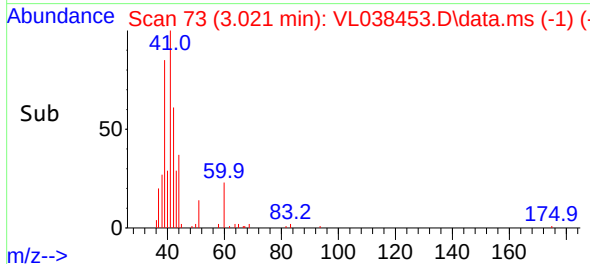
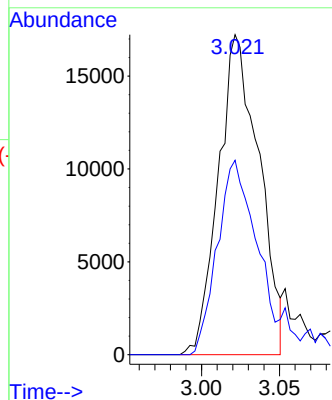
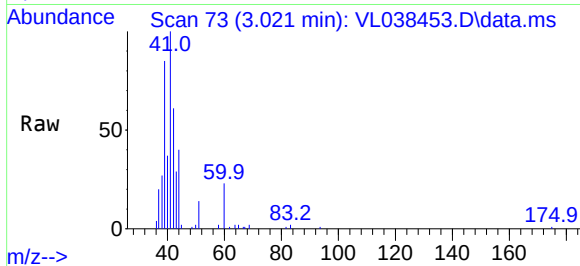
#9
Propene
Concen: 0.592 ppbv
RT: 3.021 min Scan# 71
Delta R.T. 0.019 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 41 Resp: 3116
Ion Ratio Lower Upper
41 100
42 68.5 54.6 82.0

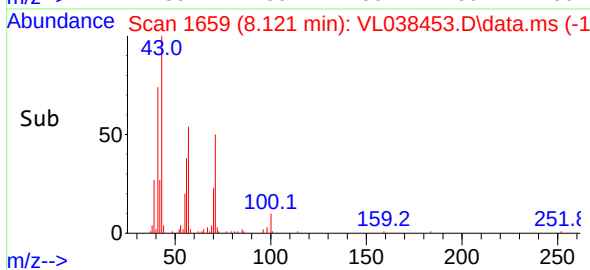
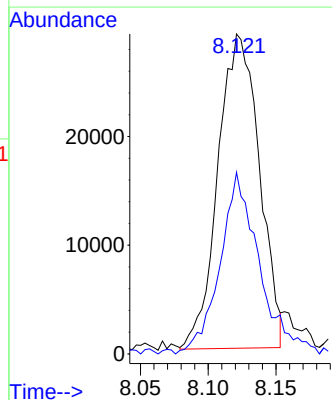
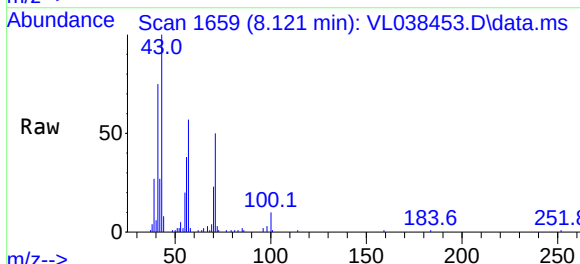
Manual Integrations
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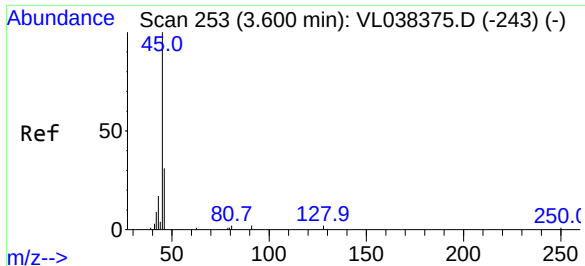
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#10
Heptane
Concen: 0.479 ppbv
RT: 8.121 min Scan# 1659
Delta R.T. 0.023 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

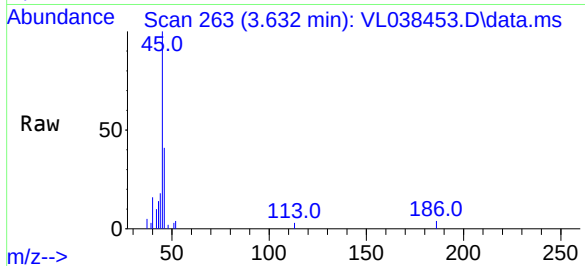
Tgt Ion: 43 Resp: 61347
Ion Ratio Lower Upper
43 100
57 56.1 39.8 59.8





#13
Ethanol
Concen: 3.854 ppbv m
RT: 3.632 min Scan# 20230
Delta R.T. 0.032 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

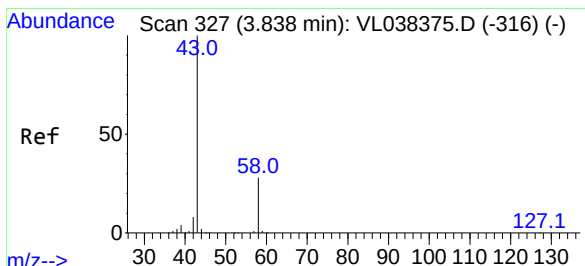
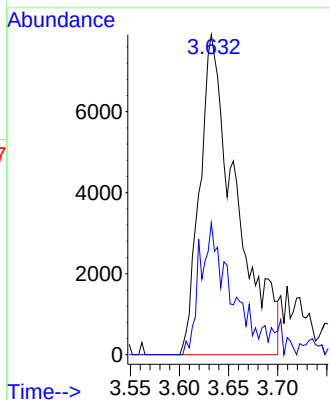
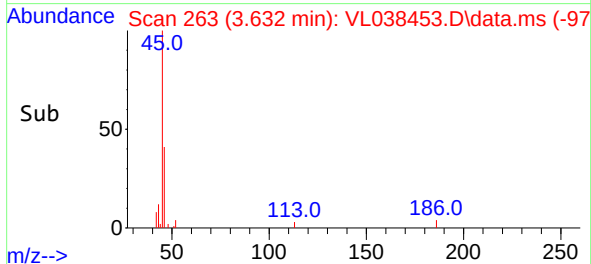
Instrument :
MSVOA_L
ClientSampleId :
SV1



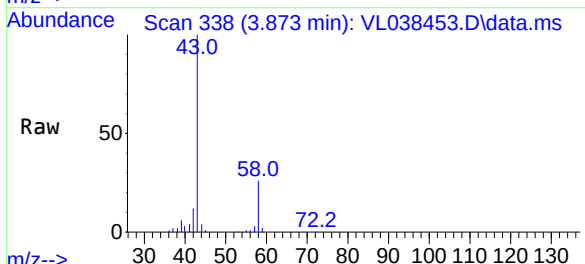
Tgt Ion: 45 Resp: 20230
Ion Ratio Lower Upper
45 100
46 36.2 18.2 72.8

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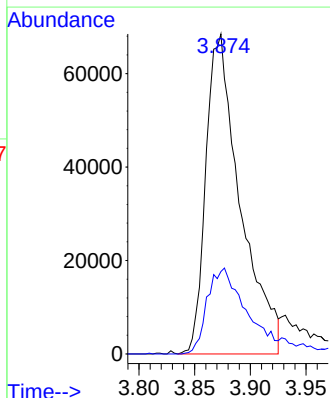
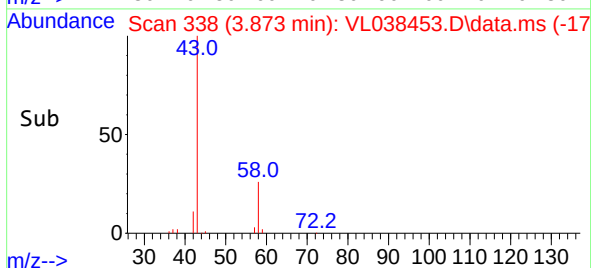
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

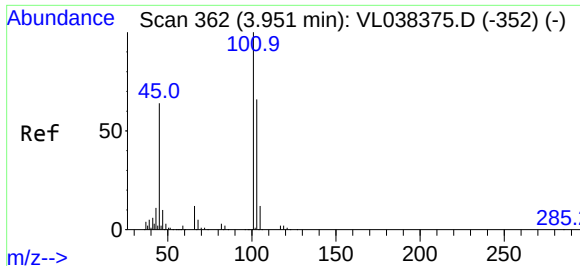


#15
Acetone
Concen: 1.915 ppbv
RT: 3.873 min Scan# 338
Delta R.T. 0.035 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28



Tgt Ion: 43 Resp: 146999
Ion Ratio Lower Upper
43 100
58 35.5 21.7 32.5#





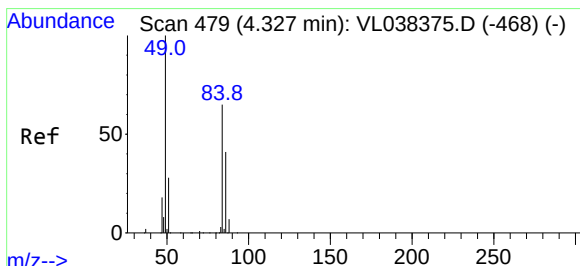
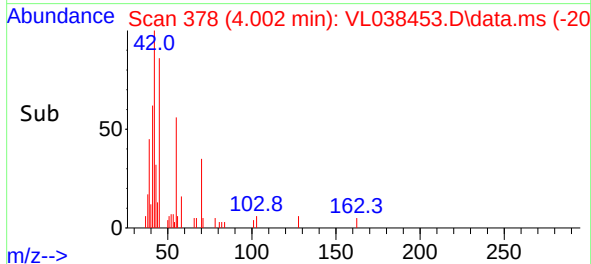
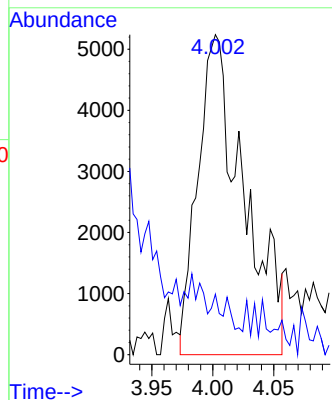
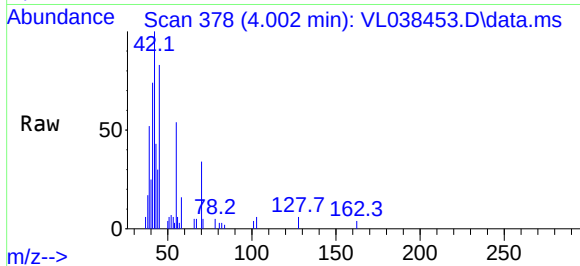
#19
Isopropyl Alcohol
Concen: 0.306 ppbv
RT: 4.002 min Scan# 31
Delta R.T. 0.051 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 1361
Ion Ratio Lower Upper
45 100
58 20.0 1.8 2.8

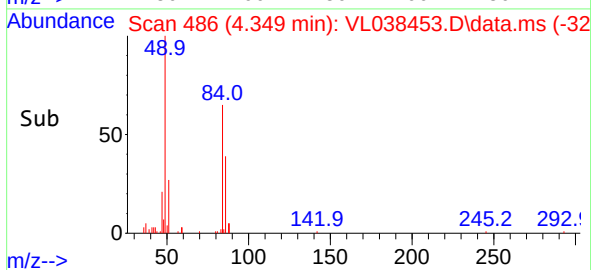
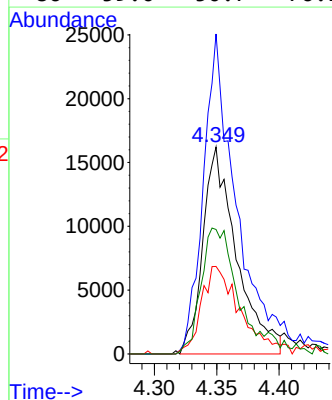
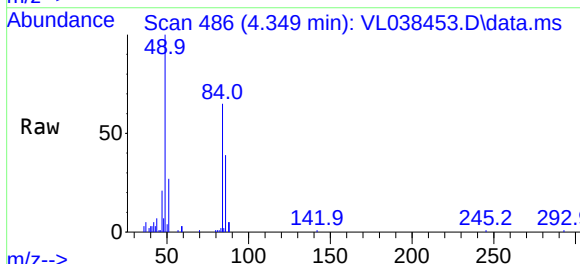
Manual Integrations
APPROVED

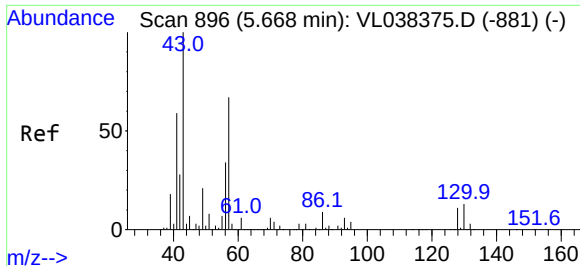
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#20
Methylene Chloride
Concen: 0.805 ppbv
RT: 4.349 min Scan# 486
Delta R.T. 0.023 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

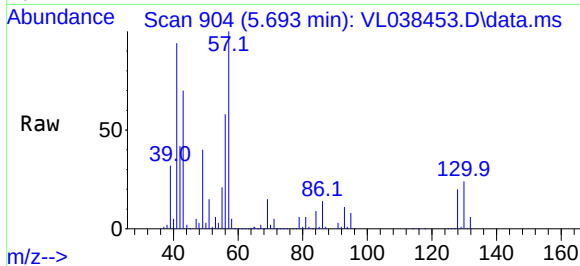
Tgt Ion: 84 Resp: 30592
Ion Ratio Lower Upper
84 100
49 152.9 122.4 183.6
51 40.7 33.3 49.9
86 59.0 50.7 76.1





#26
Hexane
Concen: 7.029 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.026 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

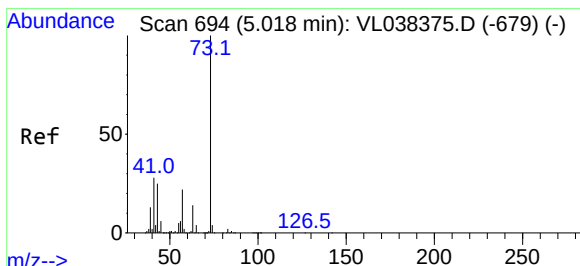
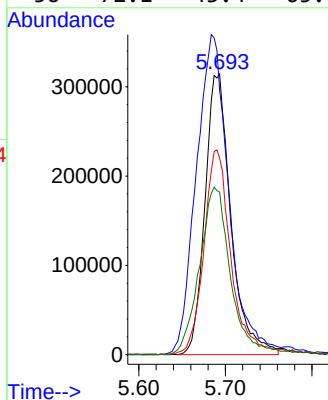
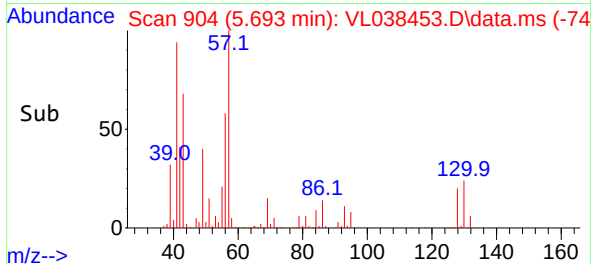
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 65627
Ion Ratio Lower Upper
57 100
41 144.6 73.1 109.7
43 77.0 181.0 271.4
56 72.1 43.4 65.0

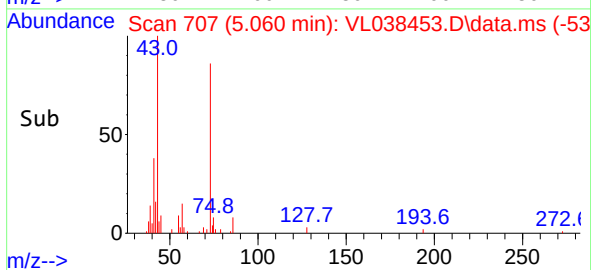
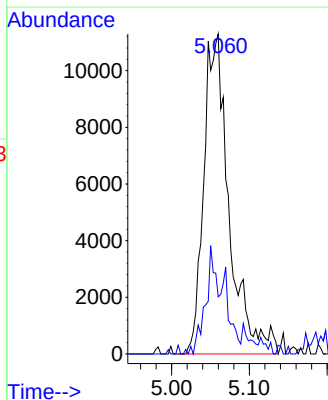
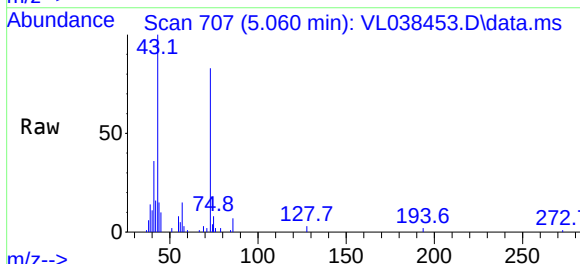
Manual Integrations
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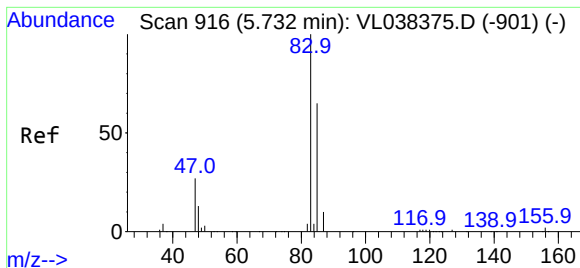
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#28
Methyl tert-Butyl Ether
Concen: 0.269 ppbv m
RT: 5.060 min Scan# 707
Delta R.T. 0.042 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

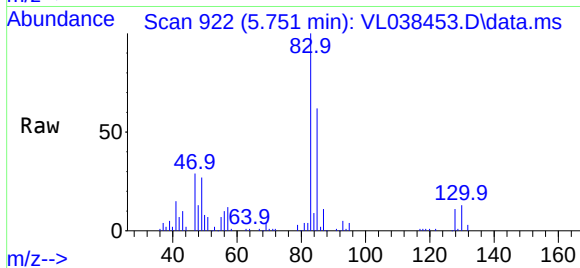
Tgt Ion: 73 Resp: 25539
Ion Ratio Lower Upper
73 100
57 28.6 18.2 27.4





#29
Chloroform
Concen: 1.056 ppbv
RT: 5.751 min Scan# 916
Delta R.T. 0.019 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

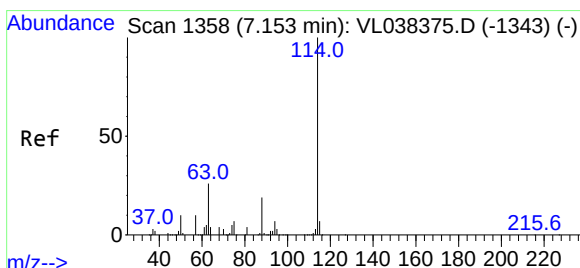
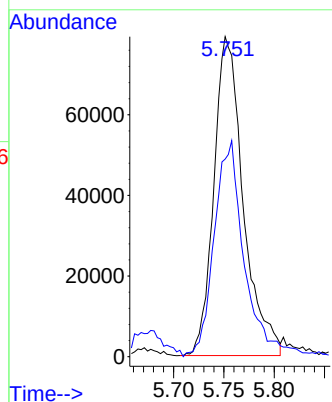
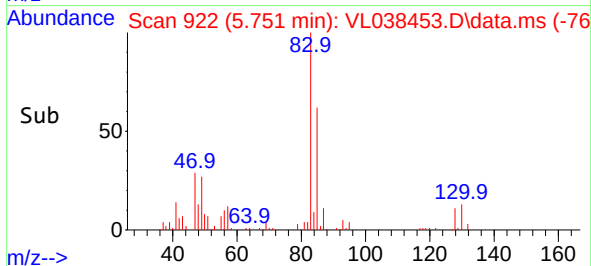
Instrument :
MSVOA_L
ClientSampleId :
SV1



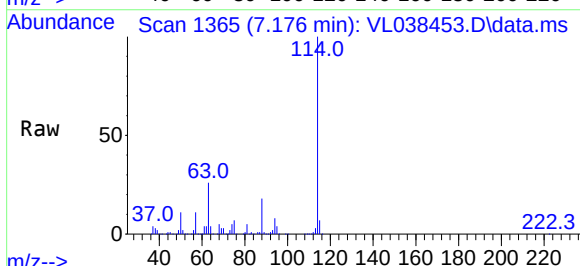
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Ion Ratio Lower Upper
83 100
85 59.9 51.6 77.4

Manual Integrations
APPROVED

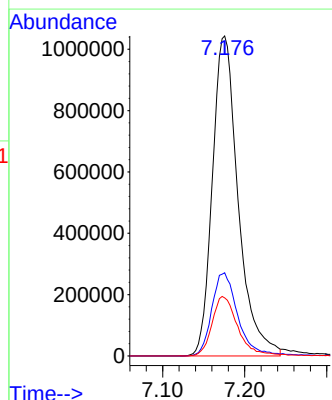
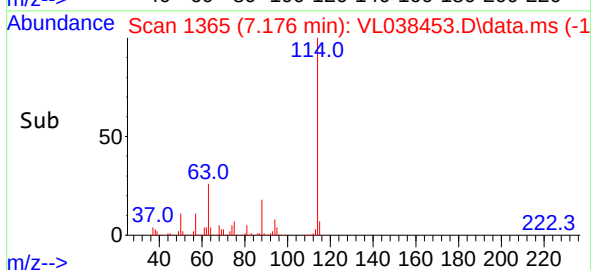
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

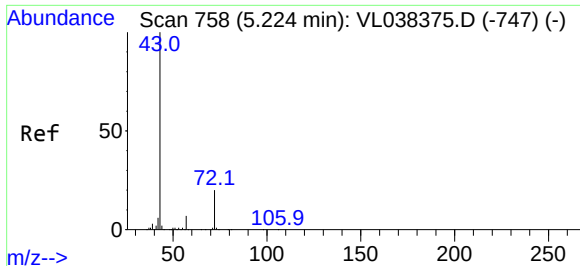


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. 0.023 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28



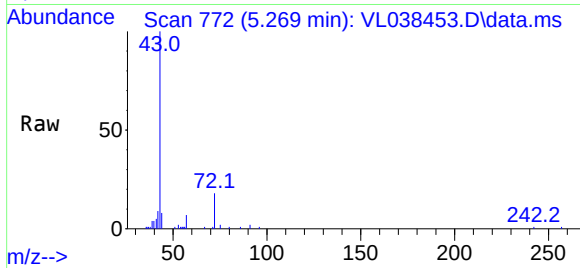
Tgt Ion:114 Resp: 2282600
Ion Ratio Lower Upper
114 100
63 26.8 22.2 33.2
88 18.8 15.2 22.8





#34
2-Butanone
Concen: 0.486 ppbv
RT: 5.269 min Scan# 71
Delta R.T. 0.045 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

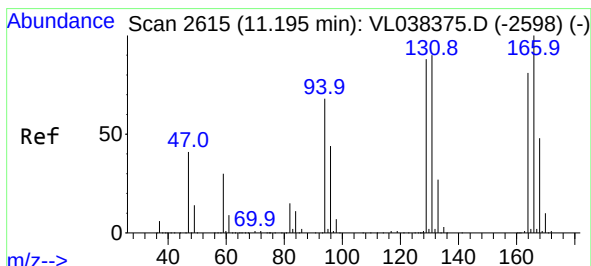
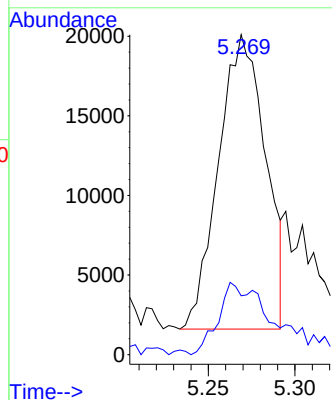
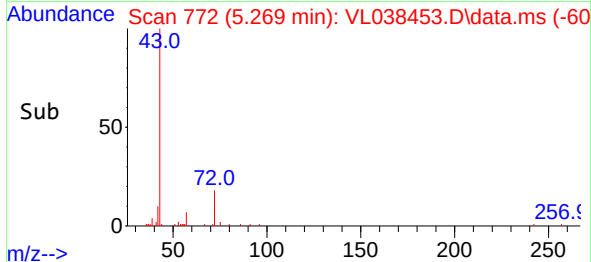
Instrument :
MSVOA_L
ClientSampleId :
SV1



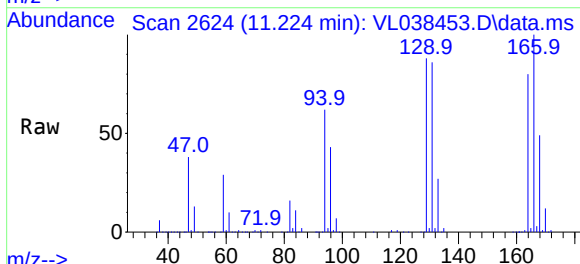
Tgt Ion: 43 Resp: 3485
Ion Ratio Lower Upper
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72 33.3 17.4 26.2

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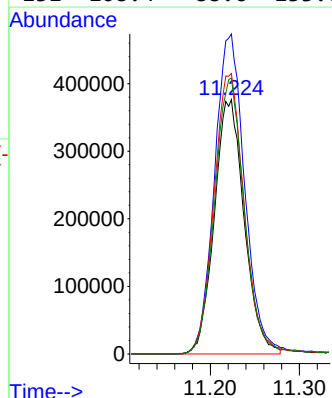
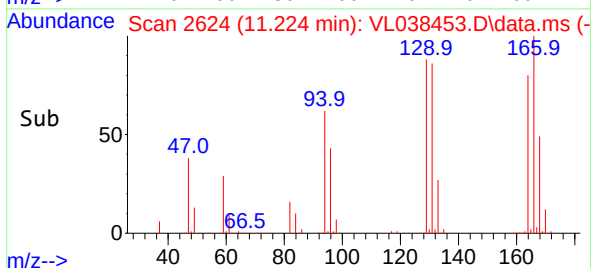
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

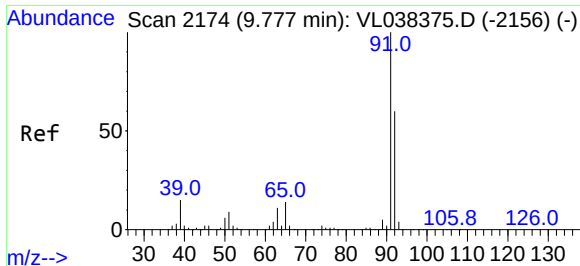


#52
Tetrachloroethene
Concen: 13.138 ppbv
RT: 11.224 min Scan# 2624
Delta R.T. 0.029 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28



Tgt Ion:164 Resp: 876376
Ion Ratio Lower Upper
164 100
166 125.5 98.6 148.0
129 110.2 86.9 130.3
131 108.4 88.6 133.0





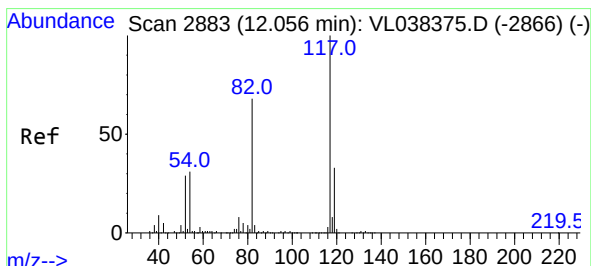
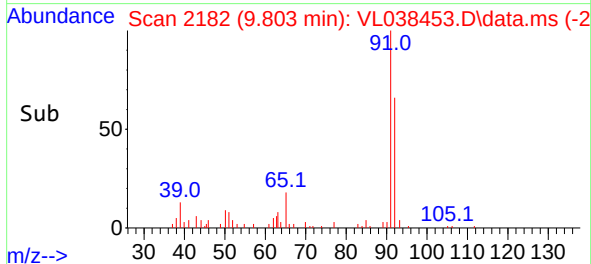
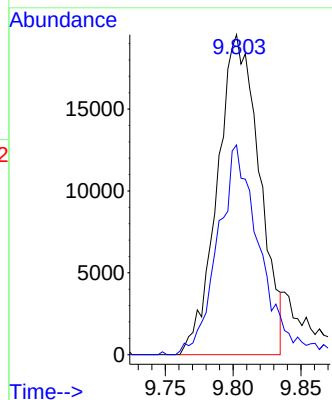
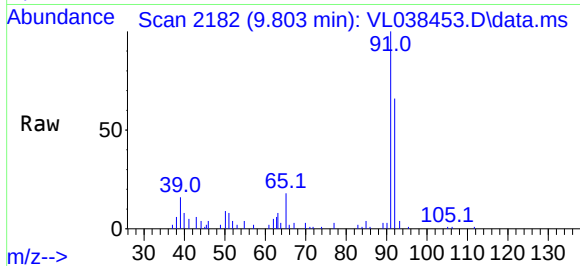
#53
Toluene
Concen: 0.193 ppbv
RT: 9.803 min Scan# 2174
Delta R.T. 0.026 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 42125
Ion Ratio Lower Upper
91 100
92 66.9 48.2 72.4

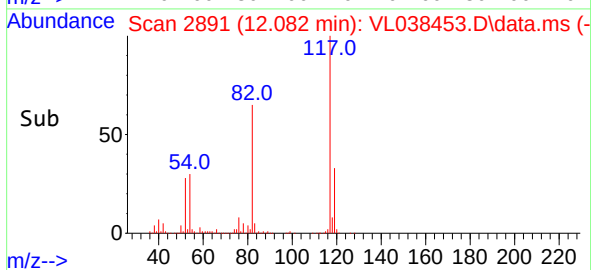
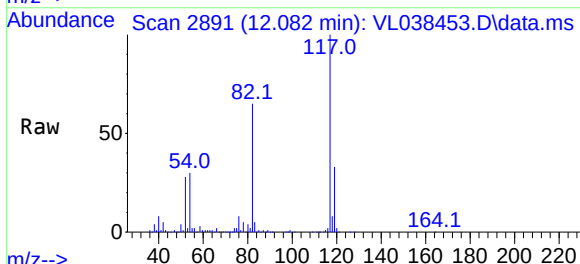
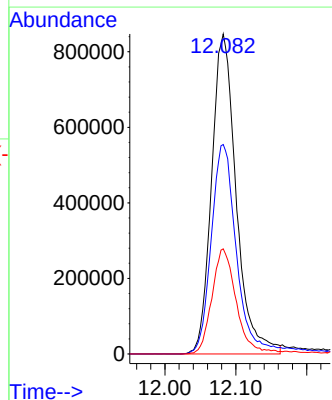
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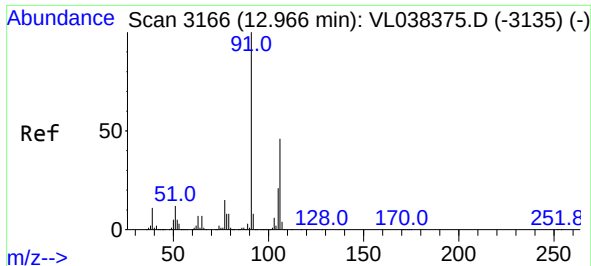
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. 0.026 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

Tgt Ion:117 Resp: 2041622
Ion Ratio Lower Upper
117 100
82 70.1 54.9 82.3
119 33.4 46.1 69.1#





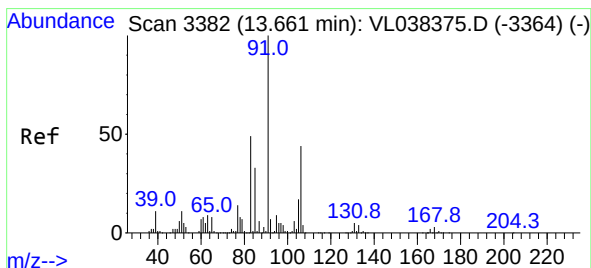
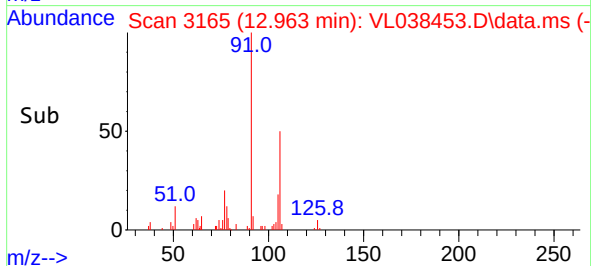
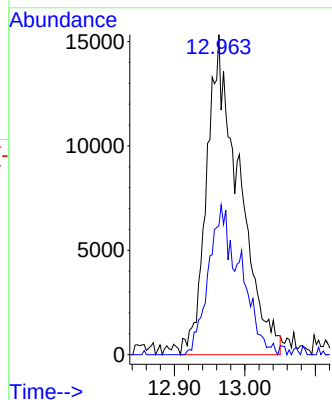
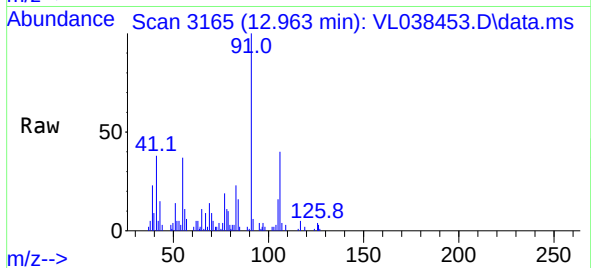
#59
m/p-Xylene
Concen: 0.205 ppbv m
RT: 12.963 min Scan# 3165
Delta R.T. -0.003 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 49075
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6

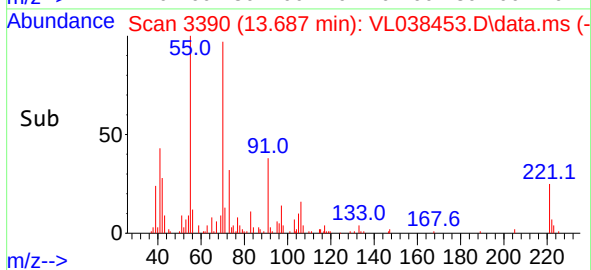
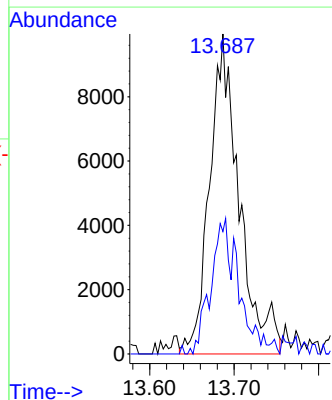
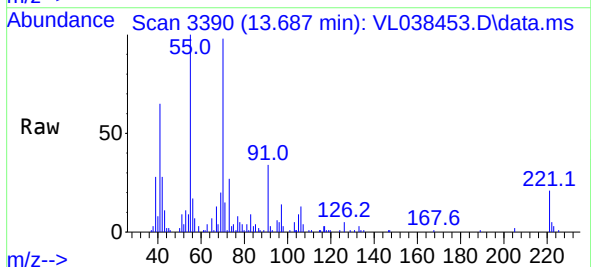
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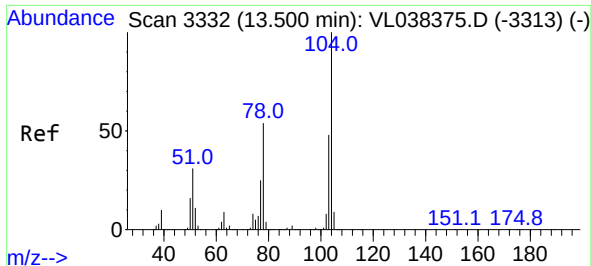
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#60
o-Xylene
Concen: 0.107 ppbv m
RT: 13.687 min Scan# 3390
Delta R.T. 0.026 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

Tgt Ion: 91 Resp: 24208
Ion Ratio Lower Upper
91 100
106 39.5 21.9 65.5





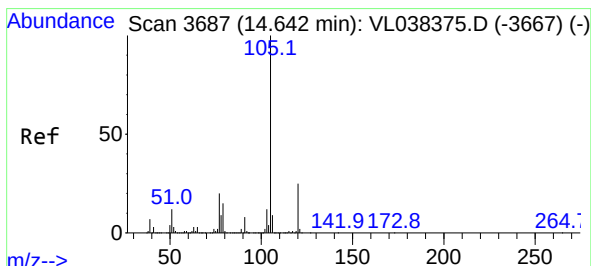
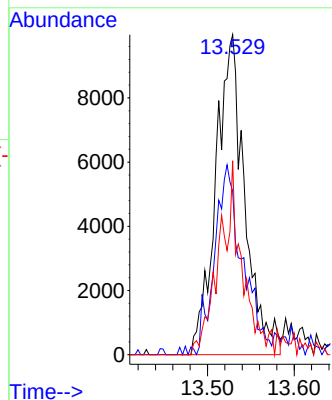
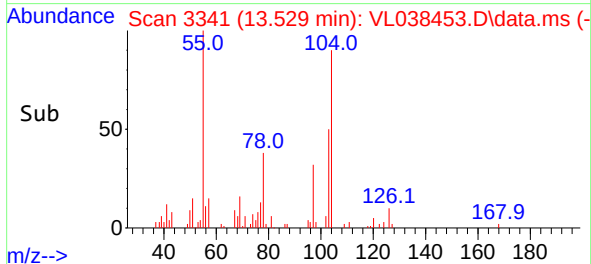
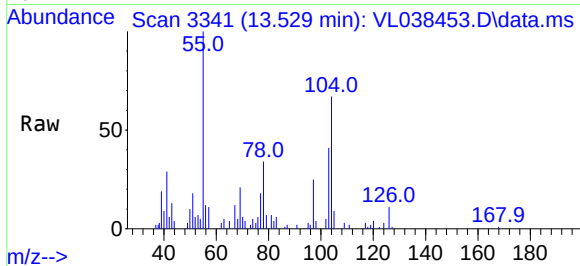
#61
Styrene
Concen: 0.220 ppbv m
RT: 13.529 min Scan# 31
Delta R.T. 0.029 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:104 Resp: 2303
Ion Ratio Lower Upper
104 100
78 57.3 44.2 66.4
103 47.4 38.4 57.6

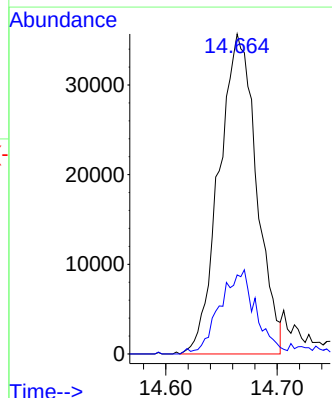
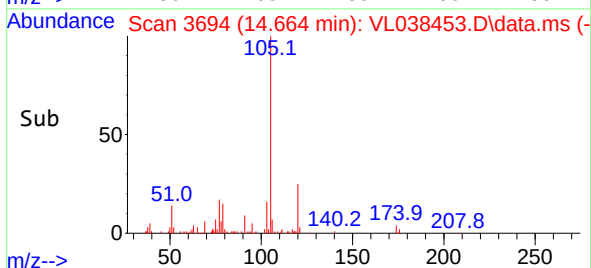
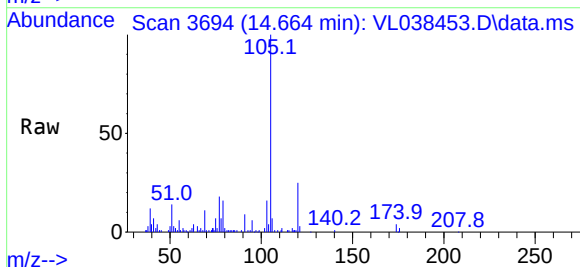
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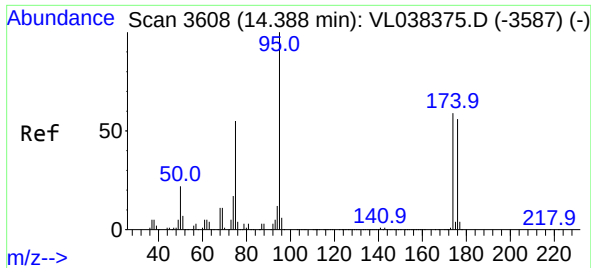
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#62
Isopropylbenzene
Concen: 0.275 ppbv
RT: 14.664 min Scan# 3694
Delta R.T. 0.023 min
Lab File: VL038453.D
Acq: 1 Mar 2022 16:28

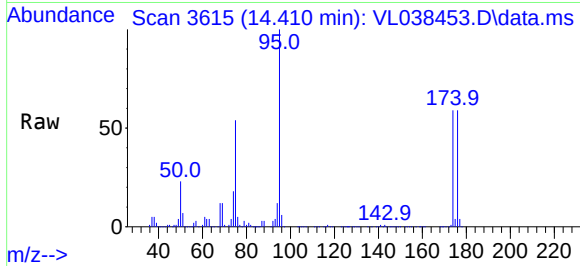
Tgt Ion:105 Resp: 83709
Ion Ratio Lower Upper
105 100
120 27.5 20.6 30.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.490 ppbv
 RT: 14.410 min Scan# 30
 Delta R.T. 0.023 min
 Lab File: VL038453.D
 Acq: 1 Mar 2022 16:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 95 Resp: 1603049

Ion	Ratio	Lower	Upper
95	100		
174	61.9	49.0	73.4
175	4.5	3.6	5.4

Manual Integrations
 APPROVED

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

