

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039102.D
 Acq On : 24 May 2022 3:04
 Operator : SY/AP
 Sample : N2957-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2022
 Supervised By :Mahesh Dadoda 05/26/2022

Quant Time: May 24 06:06:04 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	1168576	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.156	114	3073167	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	2632959	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.388	95	2039629	9.782	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.044	85	68540	0.374	ppbv	93
3) Chlorodifluoromethane	2.983	51	58396m	0.403	ppbv	
4) Chloromethane	3.137	50	48111	0.663	ppbv #	86
9) Propene	3.018	41	40482m	0.639	ppbv	
11) Trichlorofluoromethane	3.944	101	34328m	0.219	ppbv	
13) Ethanol	3.594	45	184972m	41.276	ppbv	
15) Acetone	3.841	43	493142	4.474	ppbv	93
19) Isopropyl Alcohol	3.960	45	106197m	2.026	ppbv	
20) Methylene Chloride	4.330	84	251375	6.051	ppbv	95
26) Hexane	5.671	57	229809	1.960	ppbv #	39
34) 2-Butanone	5.234	43	77682m	0.495	ppbv	
35) Carbon Tetrachloride	6.999	117	10785m	0.053	ppbv	
36) Benzene	6.870	78	32433m	0.123	ppbv	
44) 2,2,4-Trimethylpentane	7.848	57	51472m	0.112	ppbv	
53) Toluene	9.786	91	162971	0.553	ppbv	98
58) Ethyl Benzene	12.683	91	43742m	0.115	ppbv	
59) m/p-Xylene	12.944	91	108611m	0.336	ppbv	
60) o-Xylene	13.664	91	40516m	0.133	ppbv	
74) 1,2,4-Trimethylbenzene	16.735	105	35571m	0.104	ppbv	

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

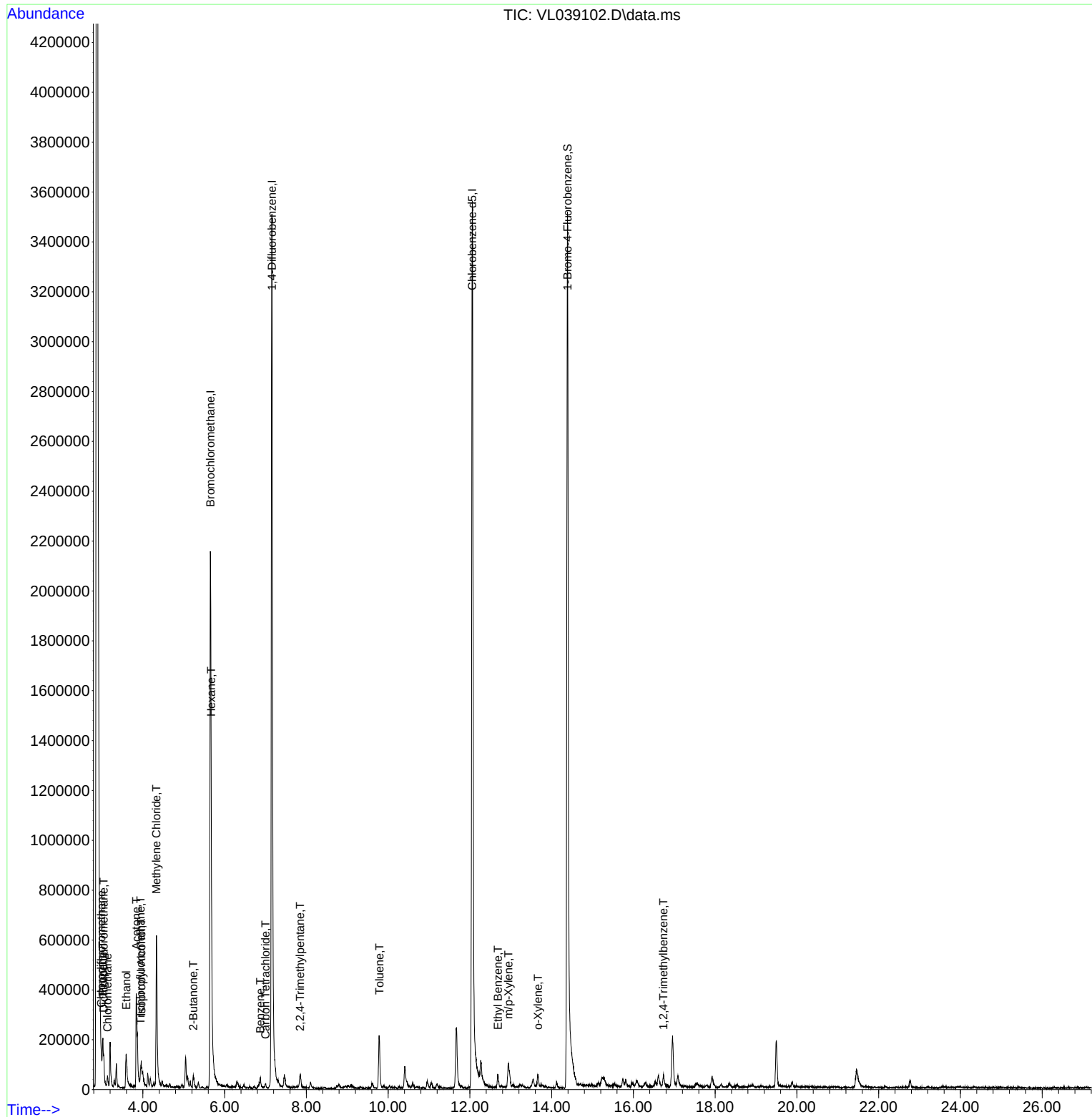
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
Data File : VL039102.D
Acq On : 24 May 2022 3:04
Operator : SY/AP
Sample : N2957-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

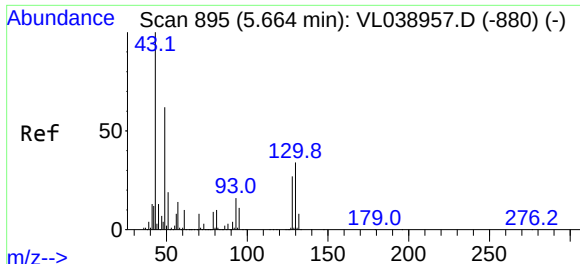
Instrument :
MSVOA_L
ClientSampleId :
AP-1

Quant Time: May 24 06:06:04 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Manual Integrations
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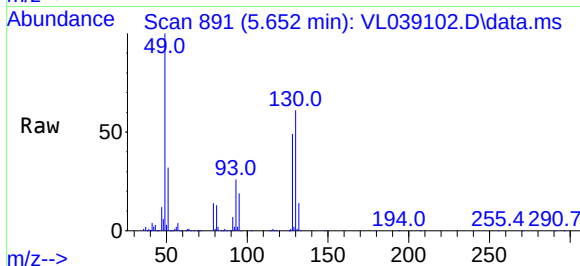
Reviewed By : Semsettin Yesilyurt 05/25/2022
Supervised By : Mahesh Dadoda 05/26/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

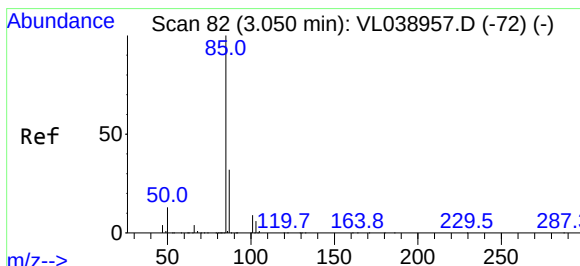
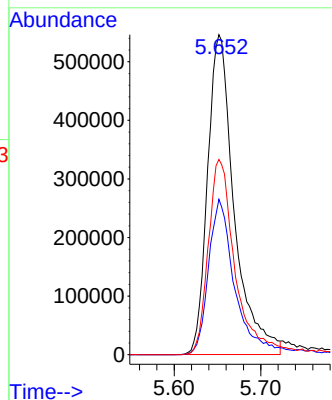
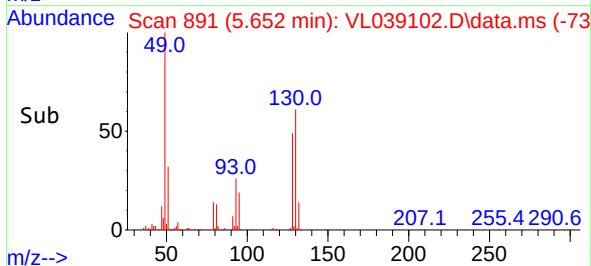
Instrument :
MSVOA_L
ClientSampleId :
AP-1



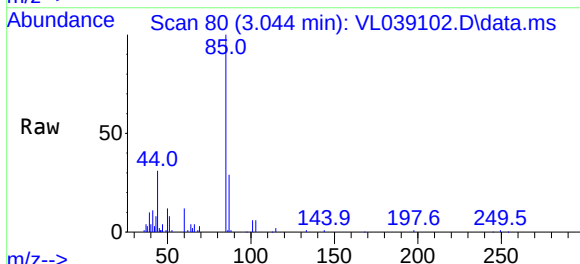
Tgt Ion: 49 Resp: 1168570
Ion Ratio Lower Upper
49 100
128 50.6 23.3 69.8
130 64.4 29.8 89.3

Manual Integrations
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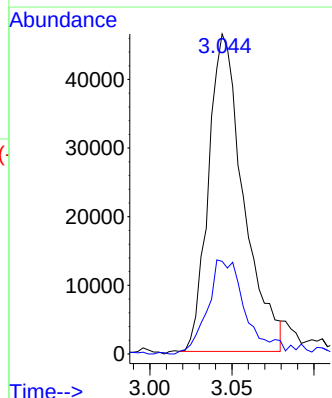
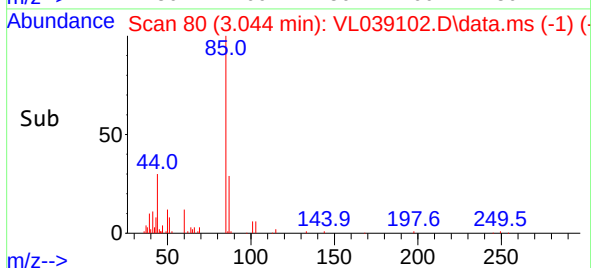
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

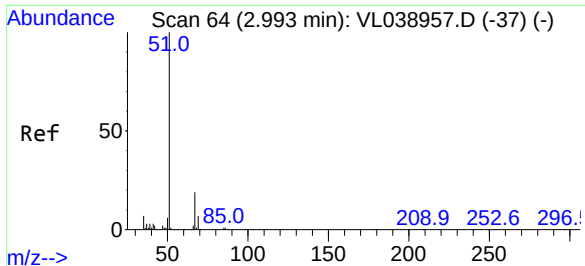


#2
Dichlorodifluoromethane
Concen: 0.374 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04



Tgt Ion: 85 Resp: 68540
Ion Ratio Lower Upper
85 100
87 28.3 25.7 38.5





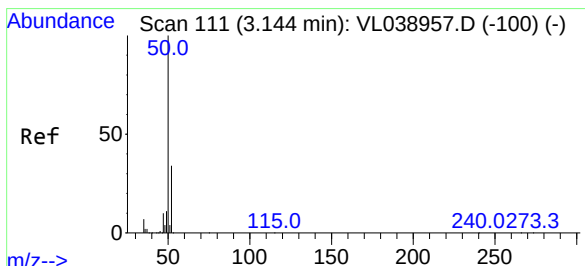
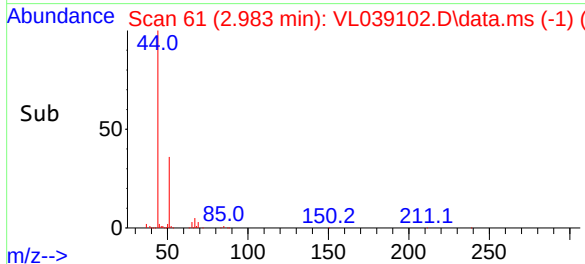
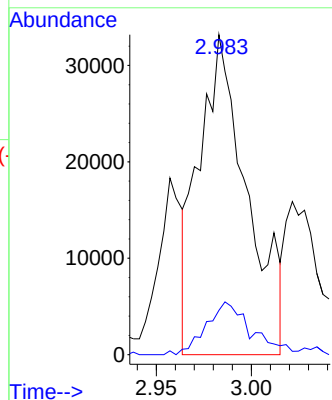
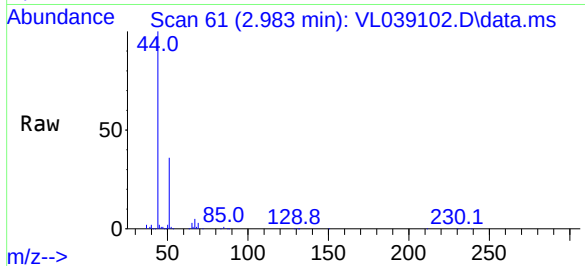
#3
Chlorodifluoromethane
Concen: 0.403 ppbv
RT: 2.983 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

Instrument :
MSVOA_L
ClientSampleId :
AP-1

Tgt Ion: 51 Resp: 58390
Ion Ratio Lower Upper
51 100
67 16.3 15.8 23.8

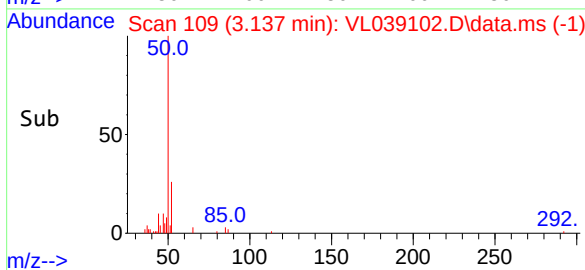
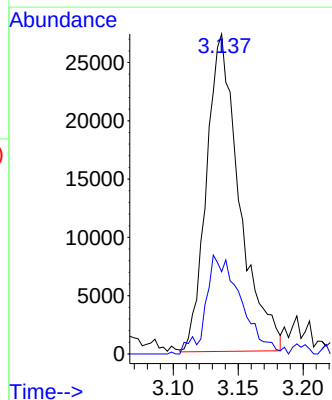
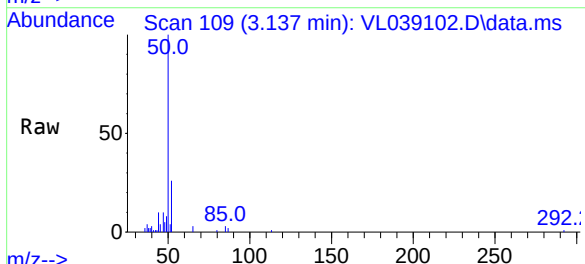
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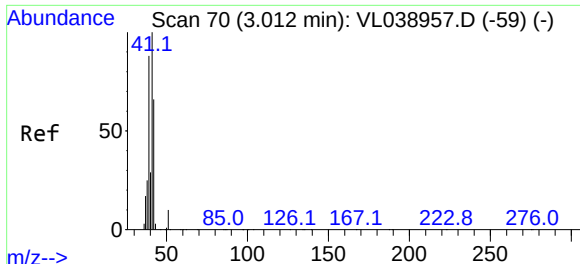
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#4
Chloromethane
Concen: 0.663 ppbv
RT: 3.137 min Scan# 109
Delta R.T. -0.006 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

Tgt Ion: 50 Resp: 48111
Ion Ratio Lower Upper
50 100
52 26.4 27.3 40.9





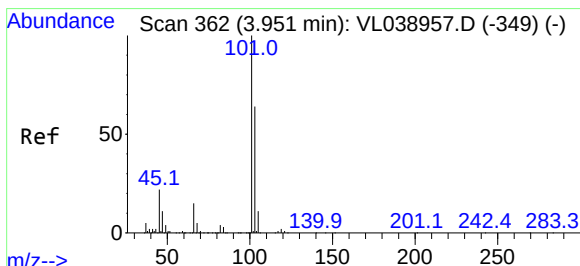
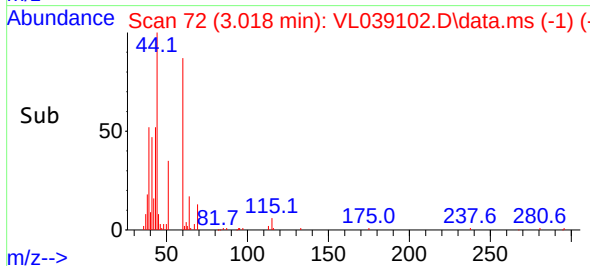
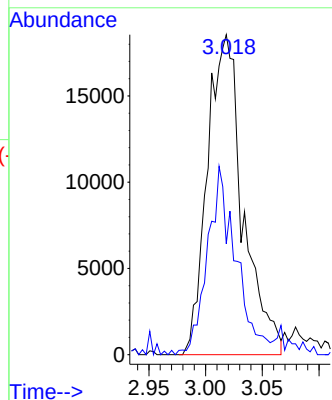
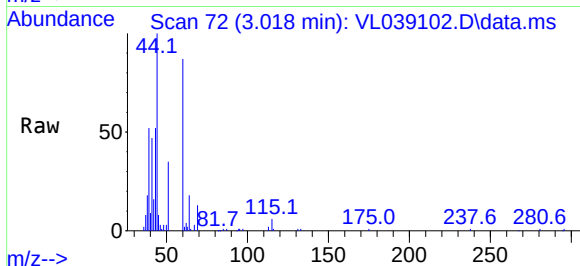
#9
Propene
Concen: 0.639 ppbv m
RT: 3.018 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

Instrument :
MSVOA_L
ClientSampleId :
AP-1

Tgt Ion: 41 Resp: 4048
Ion Ratio Lower Upper
41 100
42 51.0 58.3 87.5

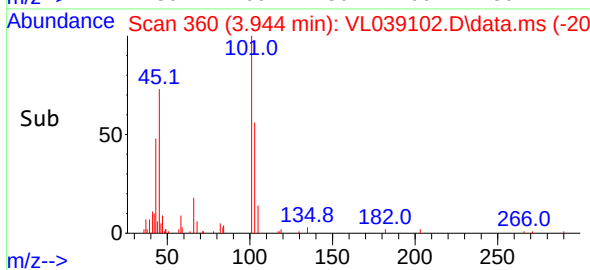
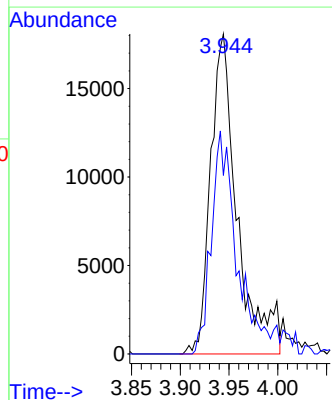
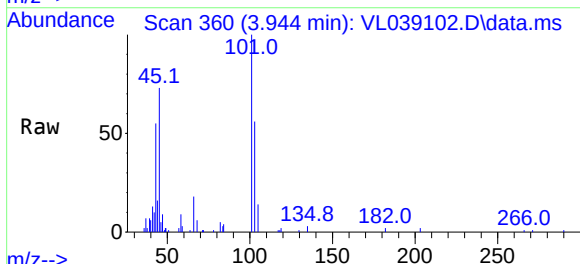
Manual Integrations
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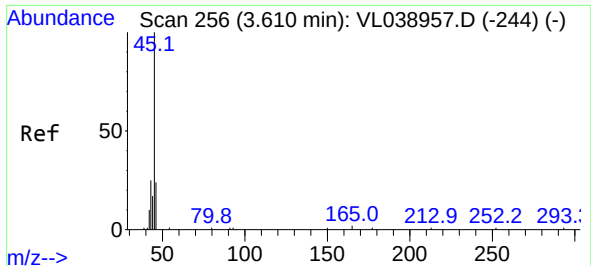
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#11
Trichlorofluoromethane
Concen: 0.219 ppbv m
RT: 3.944 min Scan# 360
Delta R.T. -0.006 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

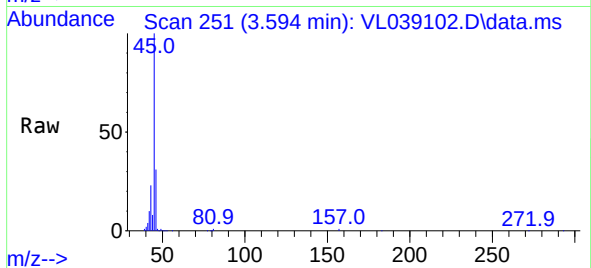
Tgt Ion:101 Resp: 34328
Ion Ratio Lower Upper
101 100
103 55.8 51.5 77.3





#13
Ethanol
Concen: 41.276 ppbv m
RT: 3.594 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

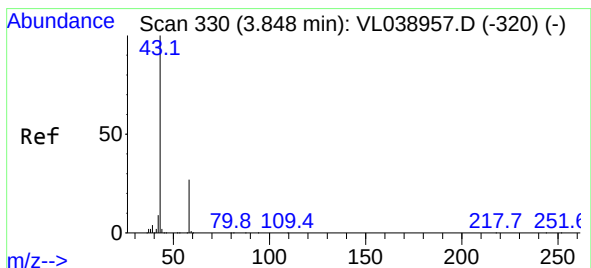
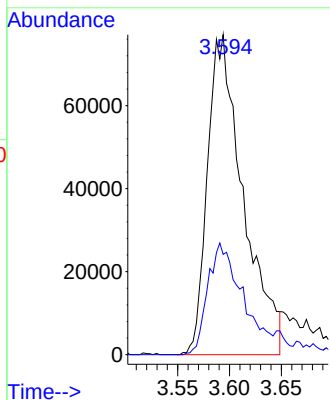
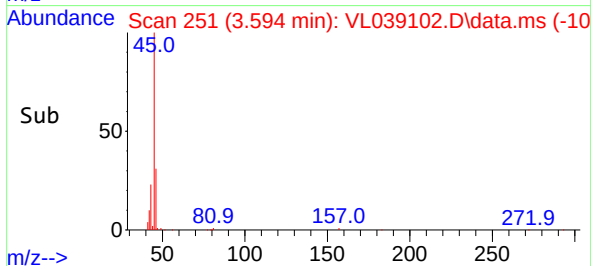
Instrument :
MSVOA_L
ClientSampleId :
AP-1



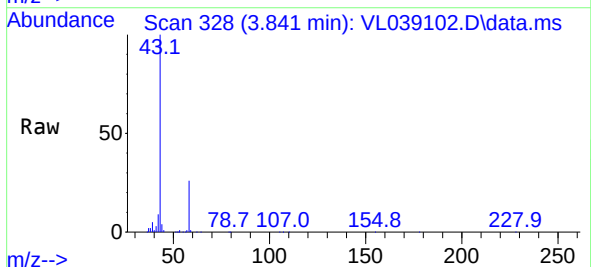
Tgt Ion: 45 Resp: 184972
Ion Ratio Lower Upper
45 100
46 40.3 18.0 72.2

Manual Integrations
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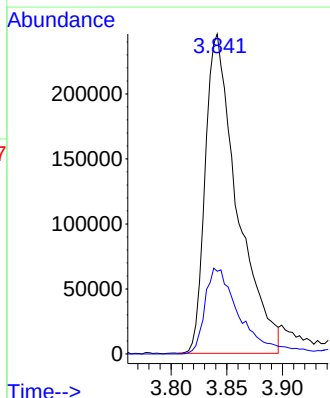
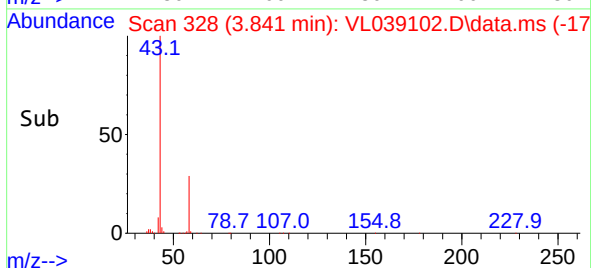
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

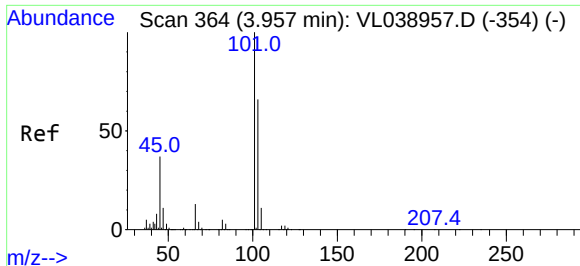


#15
Acetone
Concen: 4.474 ppbv
RT: 3.841 min Scan# 328
Delta R.T. -0.006 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04



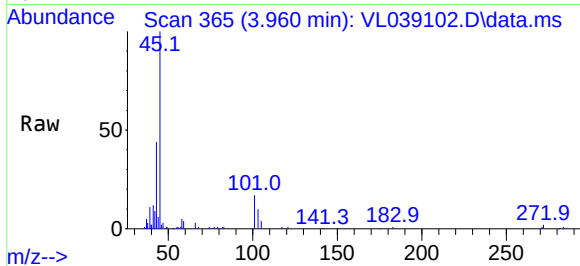
Tgt Ion: 43 Resp: 493142
Ion Ratio Lower Upper
43 100
58 30.0 21.3 31.9





#19
Isopropyl Alcohol
Concen: 2.026 ppbv m
RT: 3.960 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

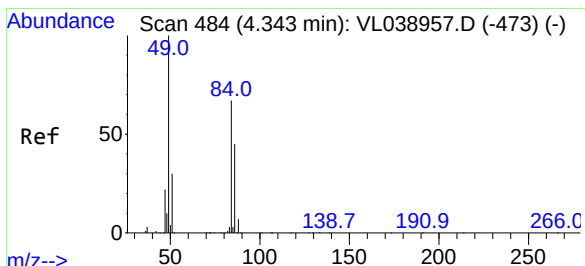
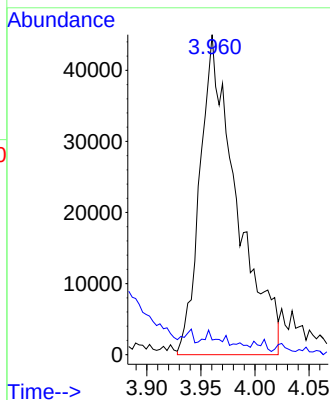
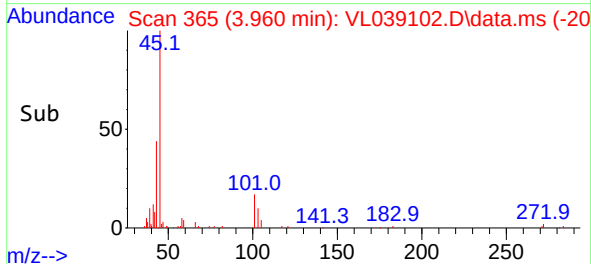
Instrument :
MSVOA_L
ClientSampleId :
AP-1



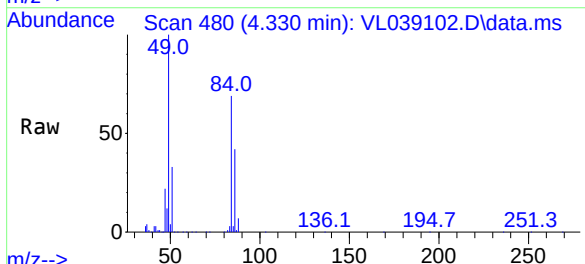
Tgt Ion: 45 Resp: 10619
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

Manual Integrations
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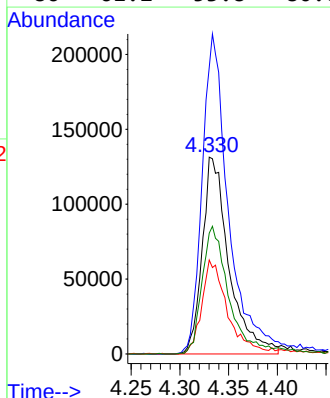
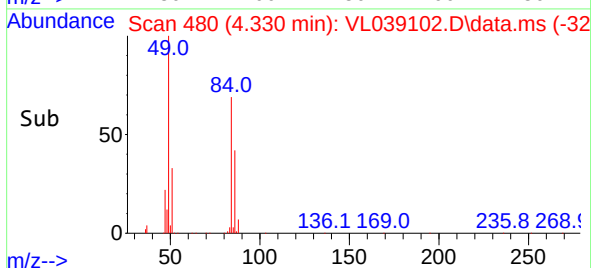
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

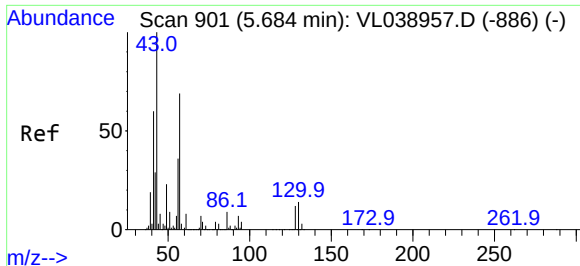


#20
Methylene Chloride
Concen: 6.051 ppbv
RT: 4.330 min Scan# 480
Delta R.T. -0.013 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04



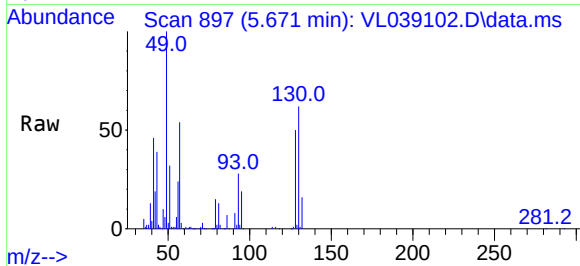
Tgt Ion: 84 Resp: 251375
Ion Ratio Lower Upper
84 100
49 145.2 119.9 179.9
51 47.7 35.7 53.5
86 61.2 53.8 80.6





#26
Hexane
Concen: 1.960 ppbv
RT: 5.671 min Scan# 897
Delta R.T. -0.013 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

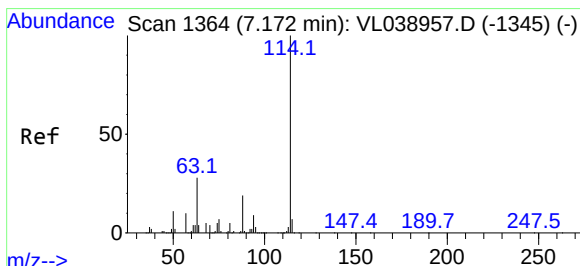
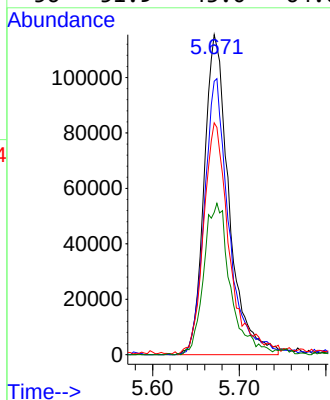
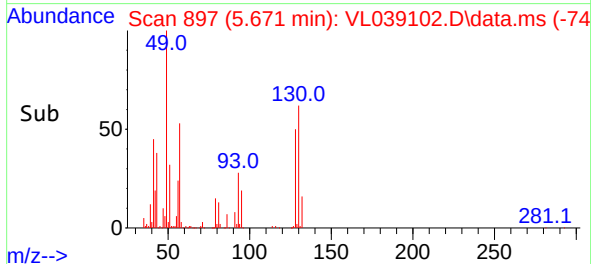
Instrument :
MSVOA_L
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Tgt Ion: 57 Resp: 229809
Ion Ratio Lower Upper
57 100
41 86.5 75.2 112.8
43 76.2 190.8 286.2
56 51.9 43.0 64.6

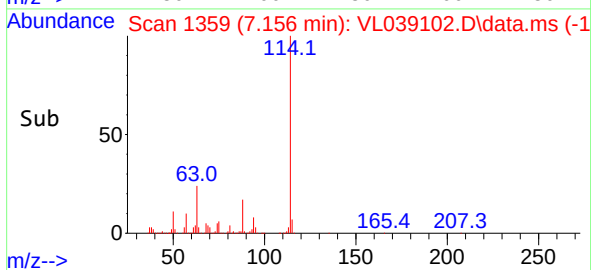
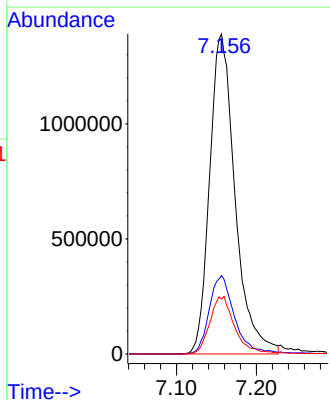
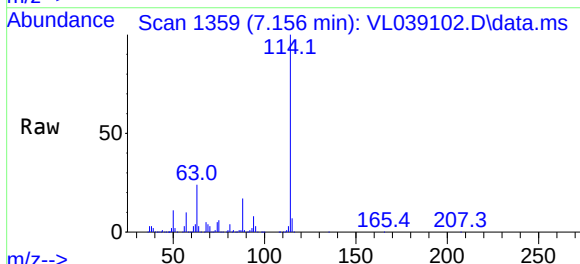
Manual Integrations
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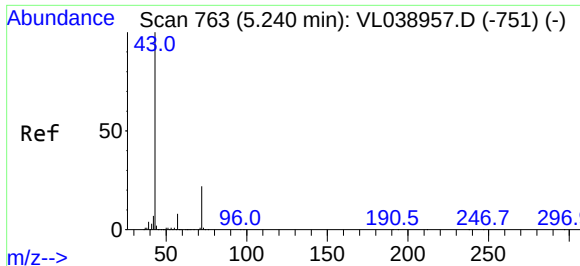
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.156 min Scan# 1359
Delta R.T. -0.016 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

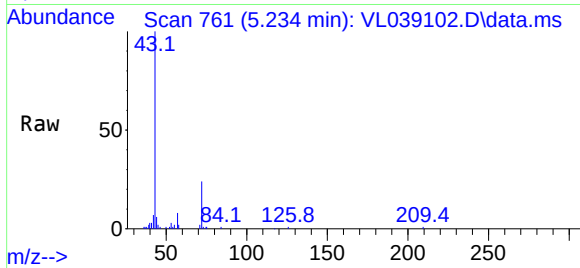
Tgt Ion:114 Resp: 3073167
Ion Ratio Lower Upper
114 100
63 24.7 22.6 33.8
88 17.8 15.4 23.0





#34
2-Butanone
Concen: 0.495 ppbv m
RT: 5.234 min Scan# 710
Delta R.T. -0.006 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

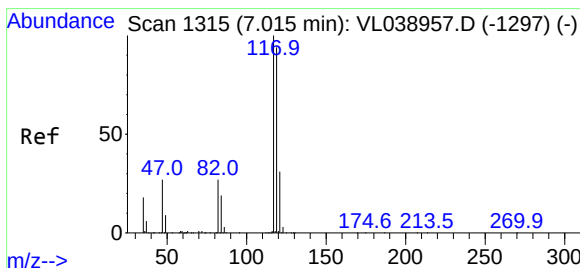
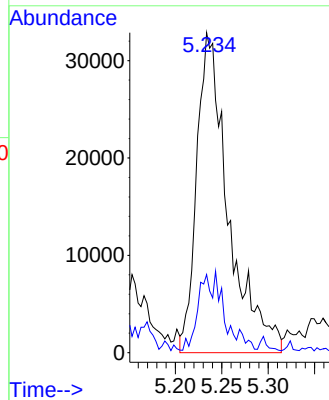
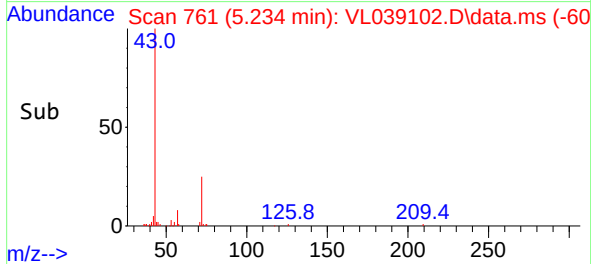
Instrument :
MSVOA_L
ClientSampleId :
AP-1



Tgt Ion: 43 Resp: 77682
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.6

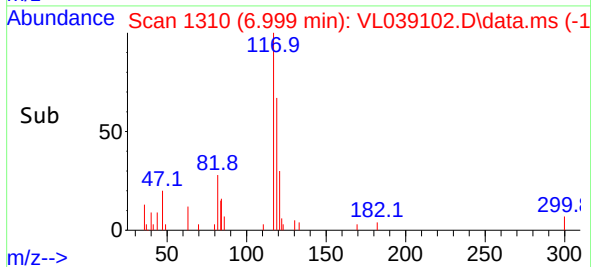
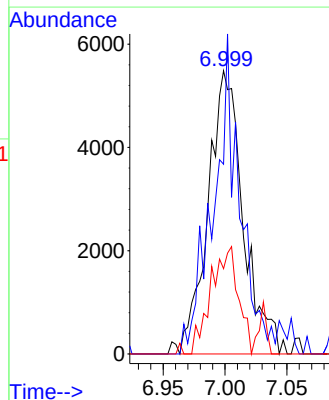
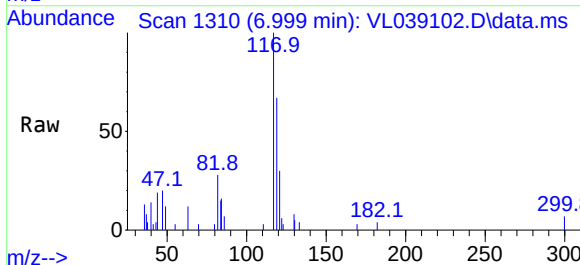
Manual Integrations
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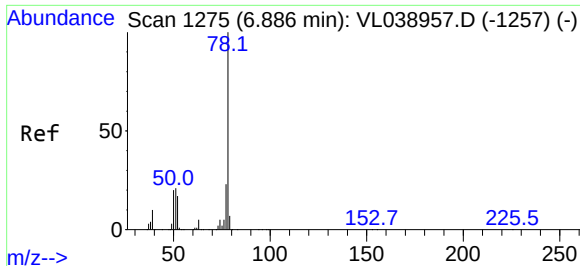
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#35
Carbon Tetrachloride
Concen: 0.053 ppbv m
RT: 6.999 min Scan# 1310
Delta R.T. -0.016 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

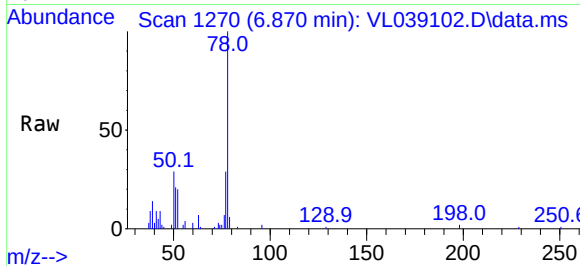
Tgt Ion:117 Resp: 10785
Ion Ratio Lower Upper
117 100
119 67.0 75.2 112.8#
121 30.1 24.6 37.0





#36
Benzene
Concen: 0.123 ppbv m
RT: 6.870 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

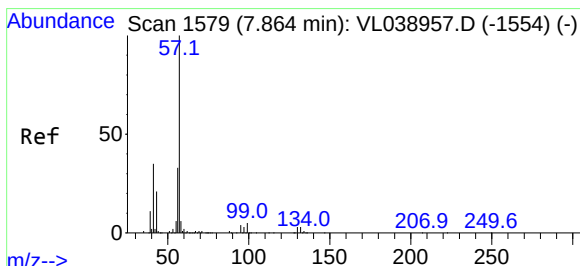
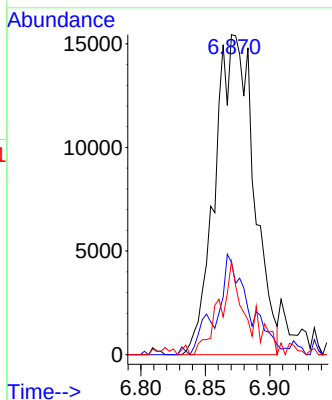
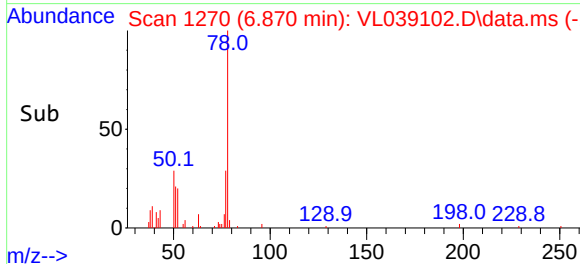
Instrument :
MSVOA_L
ClientSampleId :
AP-1



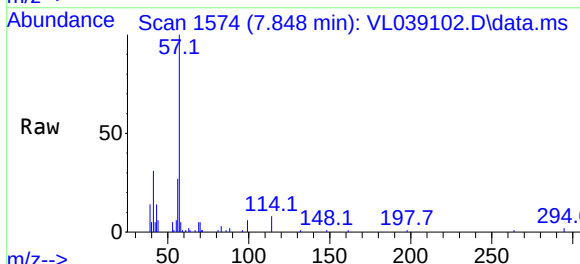
Tgt Ion: 78 Resp: 3243
Ion Ratio Lower Upper
78 100
77 28.8 18.6 28.0
50 29.2 15.6 23.4

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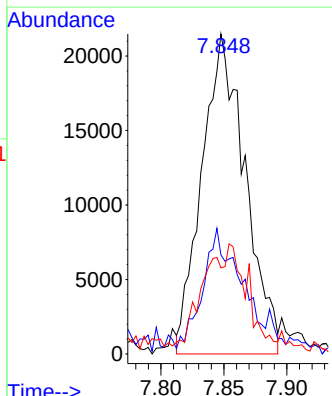
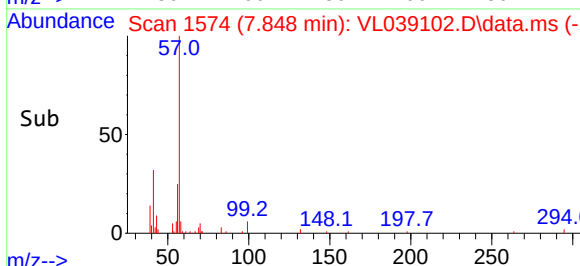
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

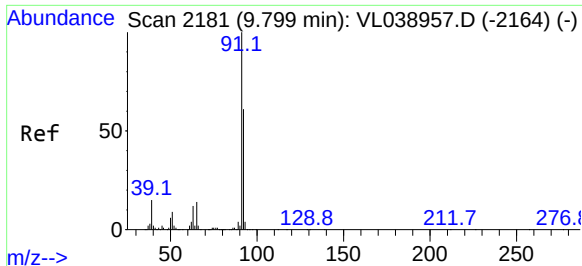


#44
2,2,4-Trimethylpentane
Concen: 0.112 ppbv m
RT: 7.848 min Scan# 1574
Delta R.T. -0.016 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04



Tgt Ion: 57 Resp: 51472
Ion Ratio Lower Upper
57 100
41 37.0 26.3 39.5
56 0.0 24.6 37.0





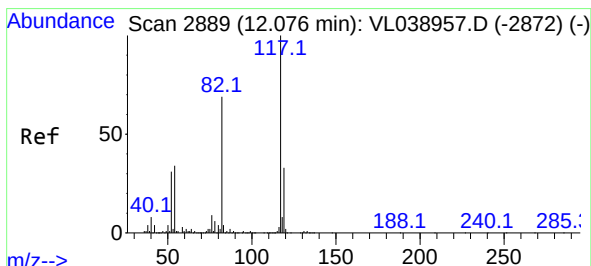
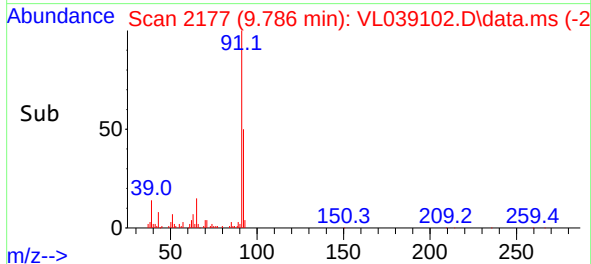
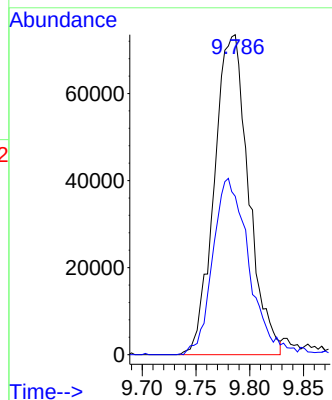
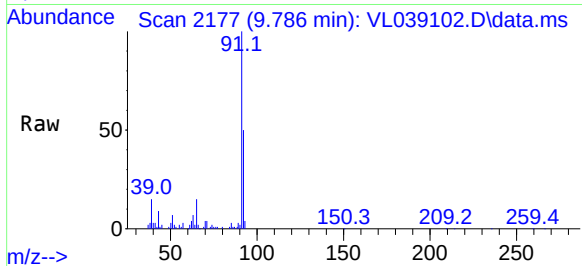
#53
Toluene
Concen: 0.553 ppbv
RT: 9.786 min Scan# 2181
Delta R.T. -0.013 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

Instrument :
MSVOA_L
ClientSampleId :
AP-1

Tgt Ion: 91 Resp: 16297
Ion Ratio Lower Upper
91 100
92 58.9 48.2 72.2

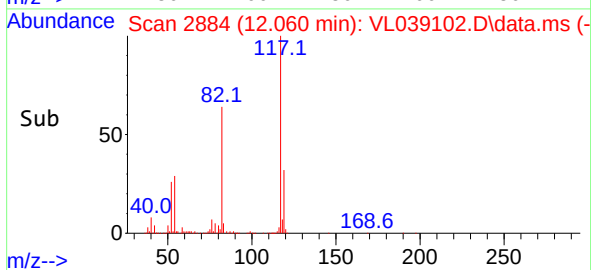
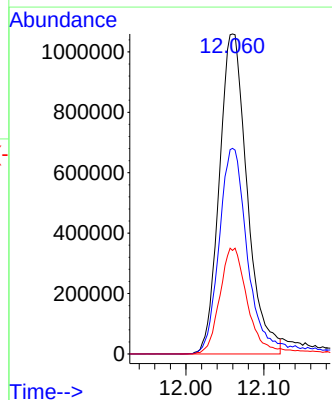
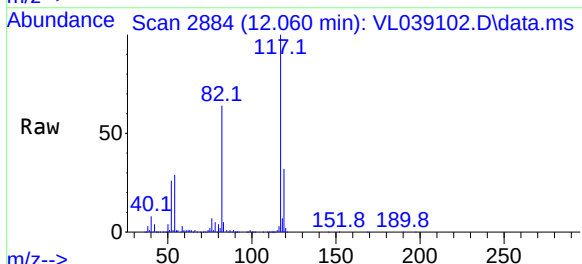
Manual Integrations
APPROVED

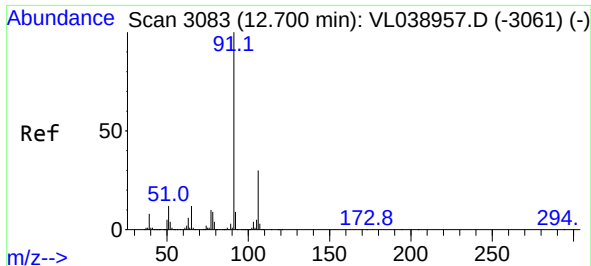
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.060 min Scan# 2884
Delta R.T. -0.016 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

Tgt Ion:117 Resp: 2632959
Ion Ratio Lower Upper
117 100
82 68.6 57.0 85.6
119 34.1 27.2 40.8





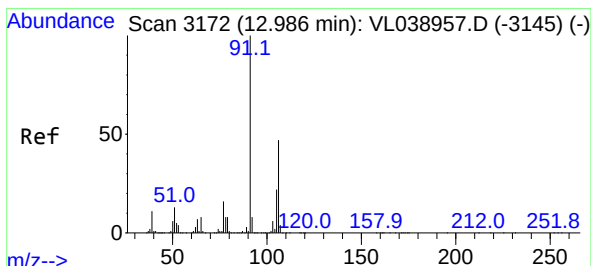
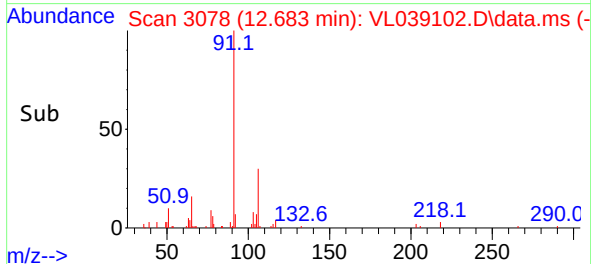
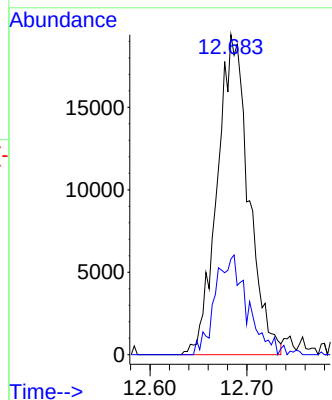
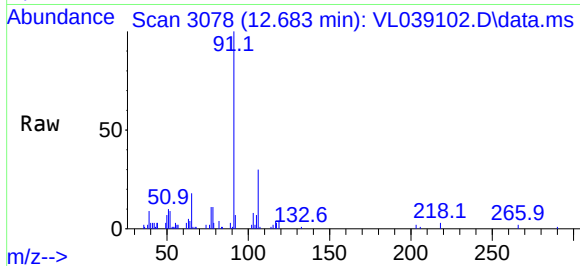
#58
Ethyl Benzene
Concen: 0.115 ppbv m
RT: 12.683 min Scan# 3083
Delta R.T. -0.016 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

Instrument :
MSVOA_L
ClientSampleId :
AP-1

Tgt Ion: 91 Resp: 4374
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.4

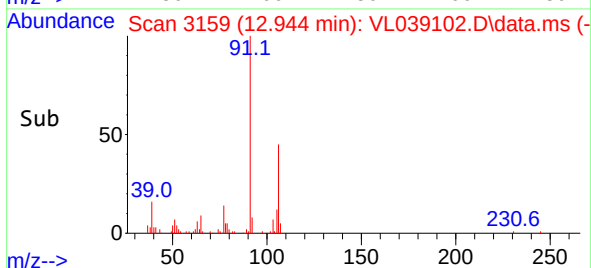
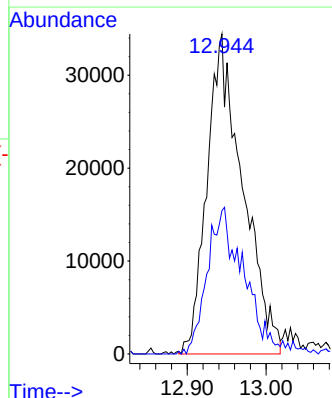
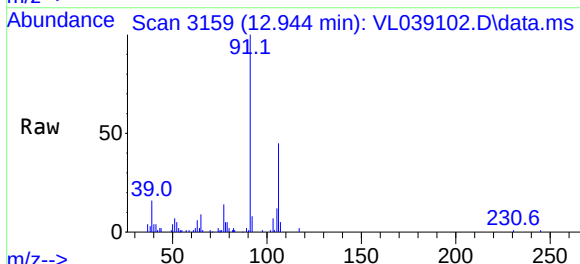
Manual Integrations
APPROVED

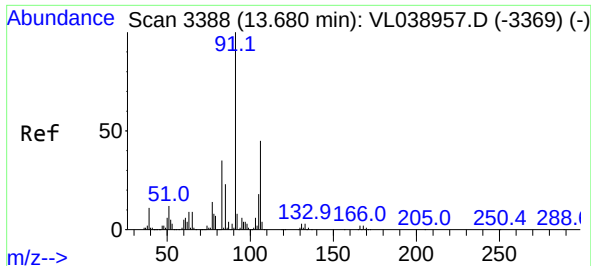
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#59
m/p-Xylene
Concen: 0.336 ppbv m
RT: 12.944 min Scan# 3159
Delta R.T. -0.042 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

Tgt Ion: 91 Resp: 108611
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#





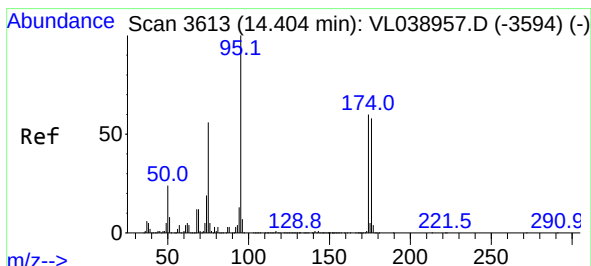
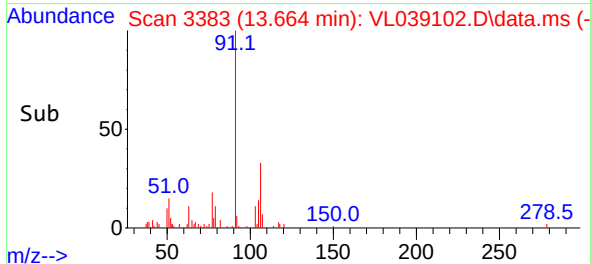
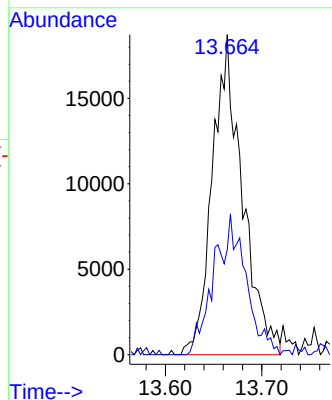
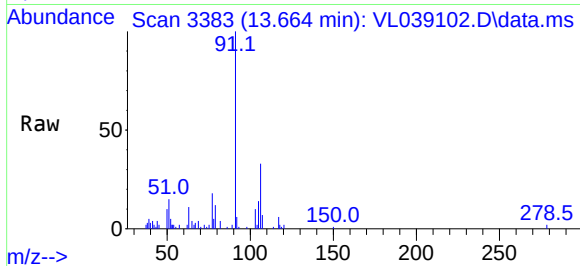
#60
o-Xylene
Concen: 0.133 ppbv m
RT: 13.664 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

Instrument :
MSVOA_L
ClientSampleId :
AP-1

Tgt Ion: 91 Resp: 40510
Ion Ratio Lower Upper
91 100
106 46.9 22.2 66.6

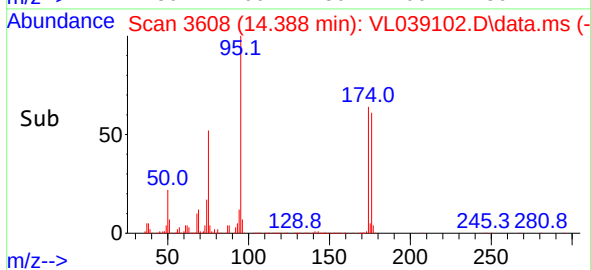
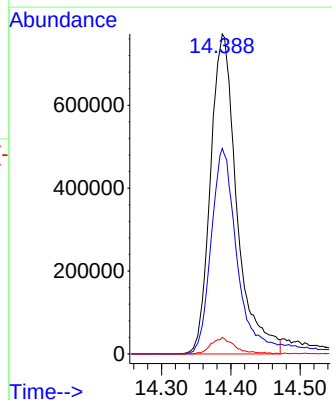
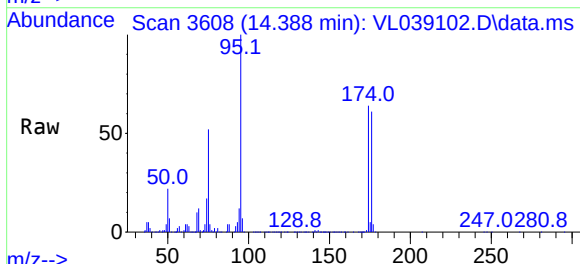
Manual Integrations
APPROVED

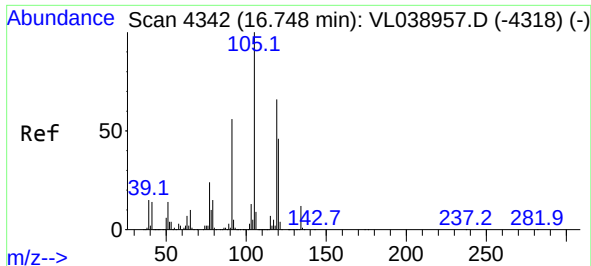
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.782 ppbv
RT: 14.388 min Scan# 3608
Delta R.T. -0.016 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

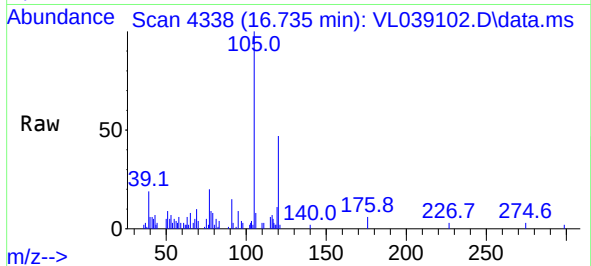
Tgt Ion: 95 Resp: 2039629
Ion Ratio Lower Upper
95 100
174 67.8 50.8 76.2
175 4.7 3.8 5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.104 ppbv m
RT: 16.735 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL039102.D
Acq: 24 May 2022 3:04

Instrument :
MSVOA_L
ClientSampleId :
AP-1



Tgt Ion:	105	Resp:	3557
Ion	Ratio	Lower	Upper
105	100		
120	47.1	36.9	55.3
91	14.8	45.0	67.4
77	19.8	19.2	28.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

