

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
 Data File : VL039166.D
 Acq On : 3 Jun 2022 23:51
 Operator : SY/AP
 Sample : N3106-02 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022

Quant Time: Jun 04 02:23:21 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 04 02:23:21 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1133852	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	2659982	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	2503358	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2147492	10.376	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	37225m	0.187	ppbv	
3) Chlorodifluoromethane	2.970	51	83403	0.578	ppbv #	66
7) Chloroethane	3.568	64	3345m	0.139	ppbv	
9) Propene	3.028	41	113713m	1.808	ppbv	
10) Heptane	8.131	43	127822	0.871	ppbv	97
11) Trichlorofluoromethane	3.964	101	21985m	0.122	ppbv	
13) Ethanol	3.613	45	39672m	11.564	ppbv	
15) Acetone	3.861	43	355857	3.013	ppbv #	84
17) tert-Butyl alcohol	4.311	59	13910	0.152	ppbv	96
19) Isopropyl Alcohol	3.980	45	60843m	1.098	ppbv	
20) Methylene Chloride	4.356	84	237030	4.762	ppbv	95
23) Vinyl Acetate	5.079	43	1054946	10.795	ppbv	98
26) Hexane	5.697	57	1070273	9.149	ppbv #	23
28) Methyl tert-Butyl Ether	5.050	73	42729m	0.331	ppbv	
34) 2-Butanone	5.256	43	441928	3.058	ppbv	97
51) 2-Hexanone	10.144	43	167200m	0.993	ppbv	
52) Tetrachloroethene	11.230	164	18377m	0.218	ppbv	
53) Toluene	9.819	91	26518m	0.107	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	36493m	0.108	ppbv	

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

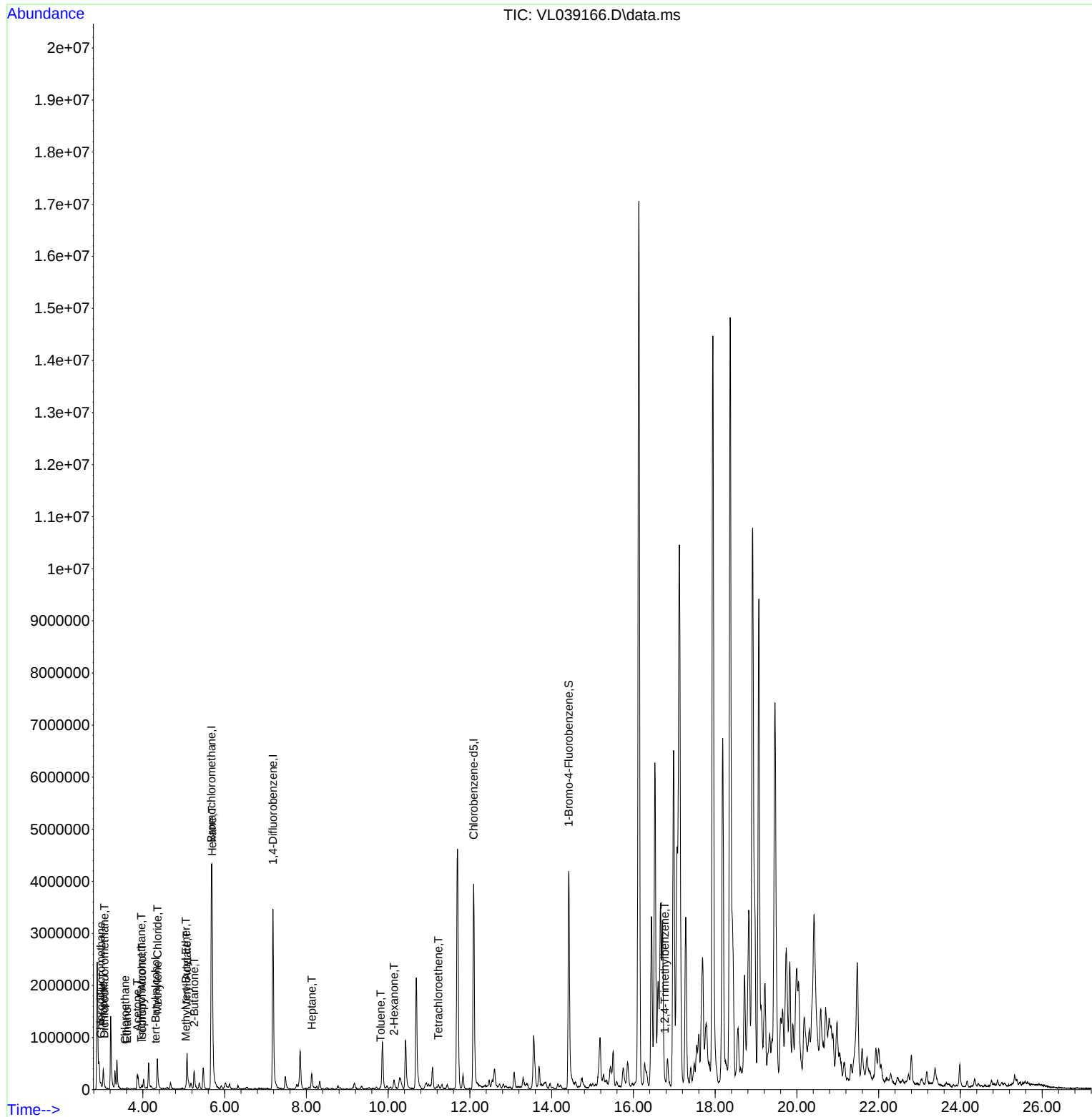
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
Data File : VL039166.D
Acq On : 3 Jun 2022 23:51
Operator : SY/AP
Sample : N3106-02 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

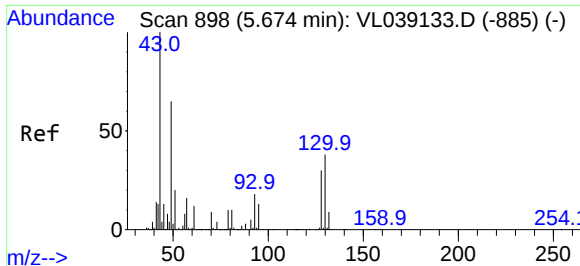
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Jun 04 02:23:21 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

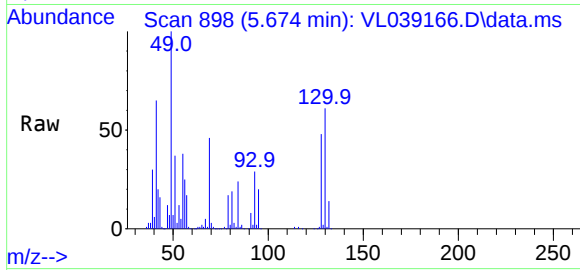
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 898
Delta R.T. 0.000 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

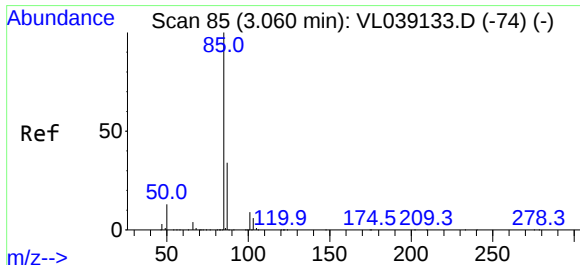
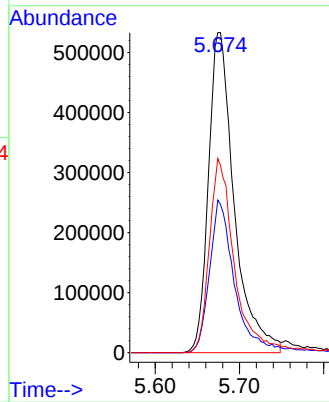
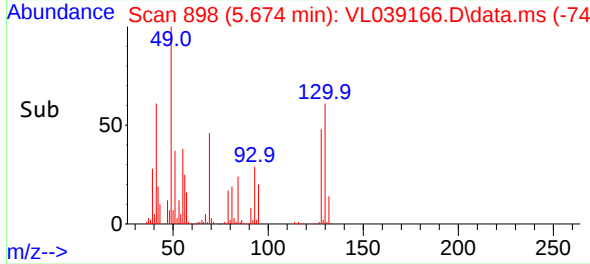
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 113385
Ion Ratio Lower Upper
49 100
128 47.8 24.7 74.1
130 60.8 31.4 94.0

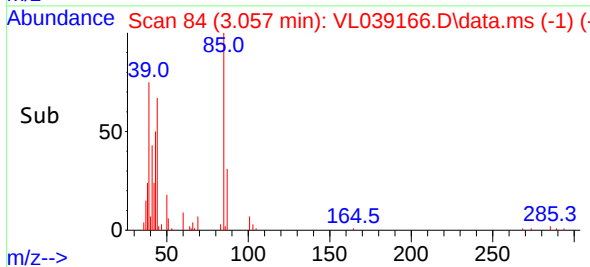
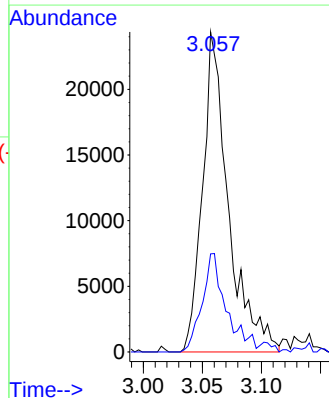
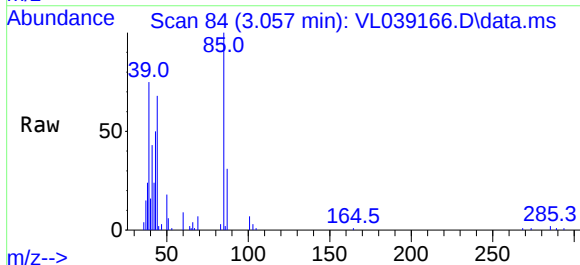
Manual Integrations
APPROVED

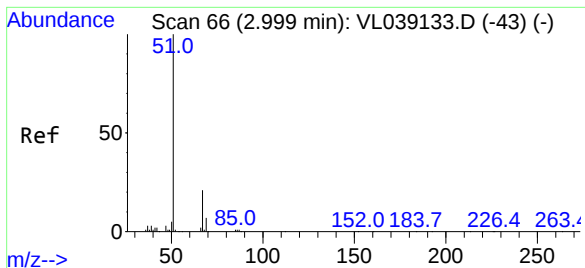
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#2
Dichlorodifluoromethane
Concen: 0.187 ppbv m
RT: 3.057 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

Tgt Ion: 85 Resp: 37225
Ion Ratio Lower Upper
85 100
87 30.7 26.9 40.3





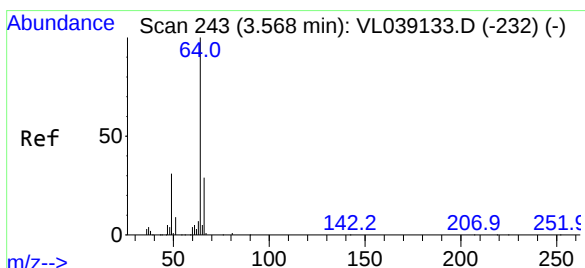
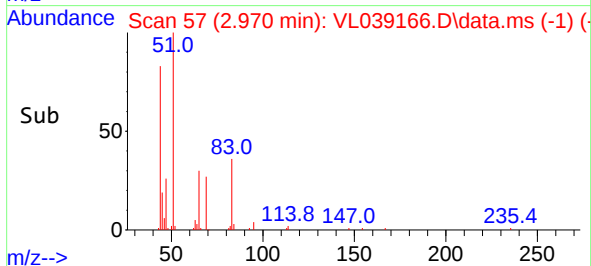
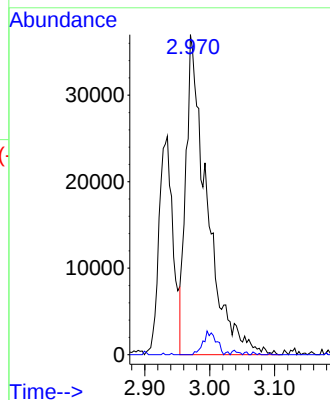
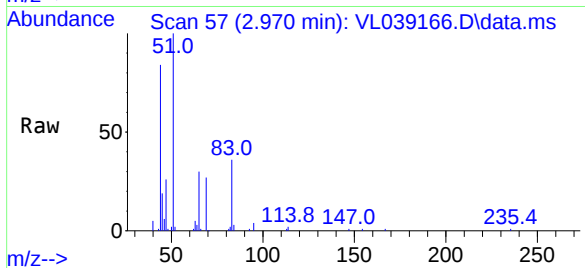
#3
Chlorodifluoromethane
Concen: 0.578 ppbv
RT: 2.970 min Scan# 51
Delta R.T. -0.029 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 51 Resp: 8340
Ion Ratio Lower Upper
51 100
67 4.7 16.2 24.4

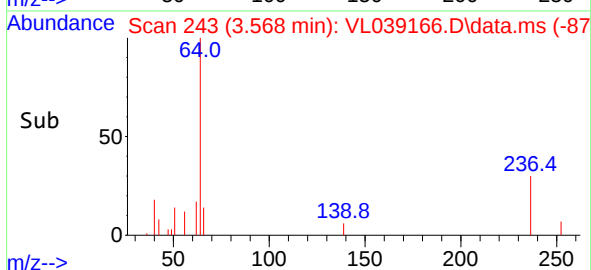
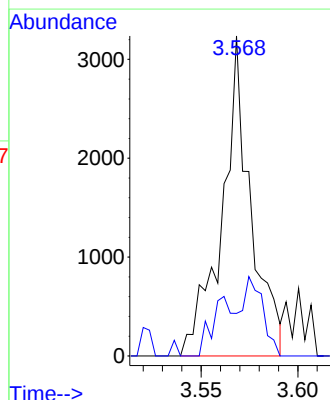
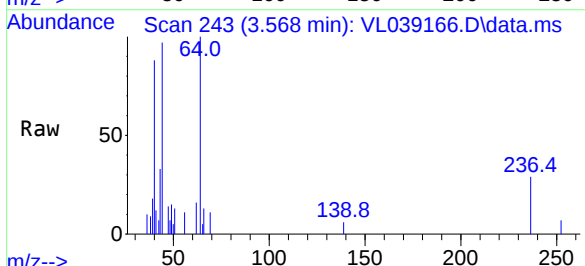
Manual Integrations
APPROVED

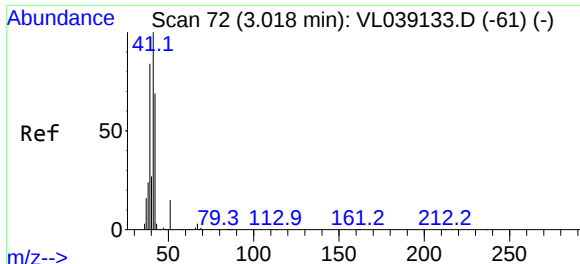
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#7
Chloroethane
Concen: 0.139 ppbv m
RT: 3.568 min Scan# 243
Delta R.T. 0.000 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

Tgt Ion: 64 Resp: 3345
Ion Ratio Lower Upper
64 100
66 13.3 23.6 35.4





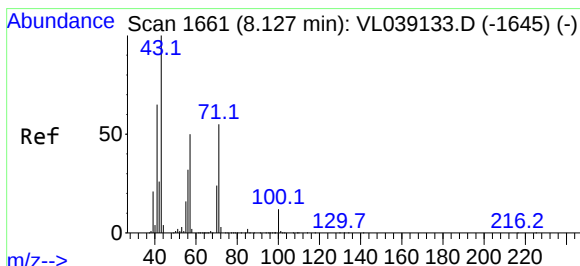
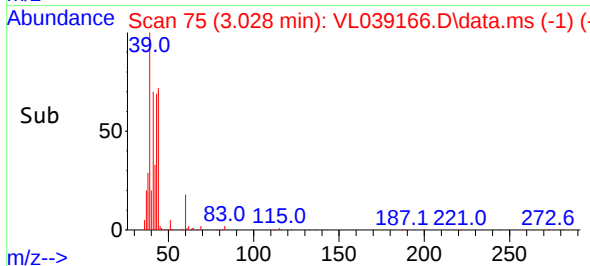
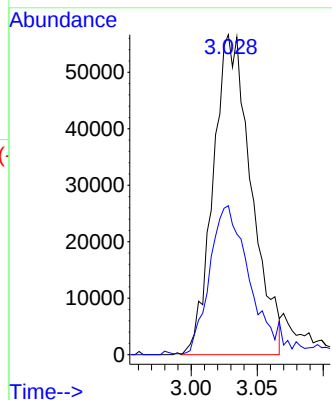
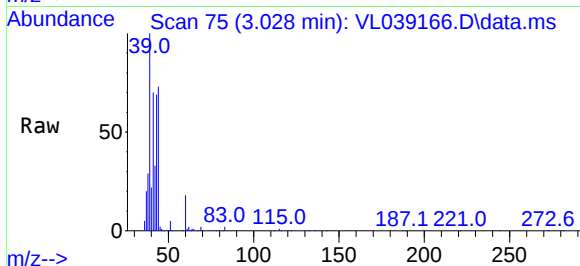
#9
Propene
Concen: 1.808 ppbv m
RT: 3.028 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 41 Resp: 11371
Ion Ratio Lower Upper
41 100
42 52.2 55.4 83.2

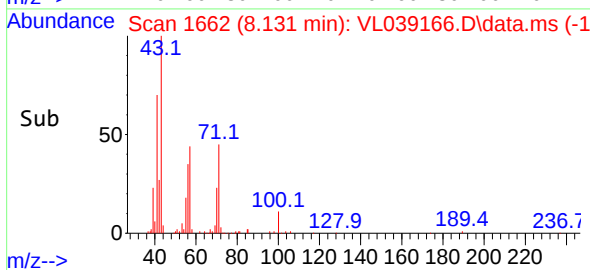
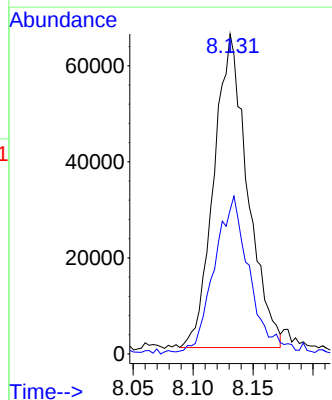
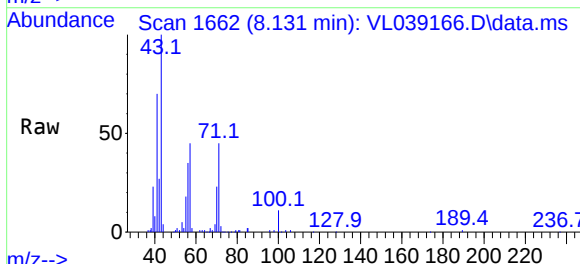
Manual Integrations
APPROVED

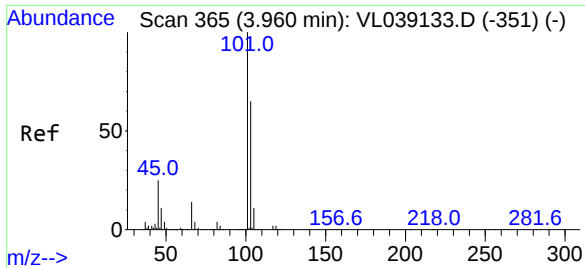
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#10
Heptane
Concen: 0.871 ppbv
RT: 8.131 min Scan# 1662
Delta R.T. 0.003 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

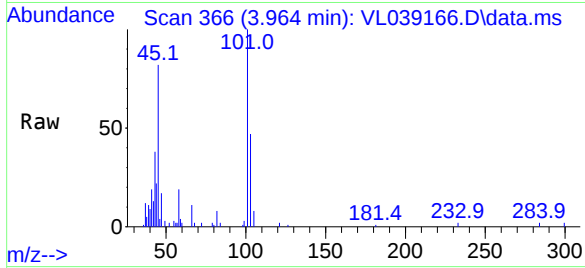
Tgt Ion: 43 Resp: 127822
Ion Ratio Lower Upper
43 100
57 53.8 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.122 ppbv m
RT: 3.964 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

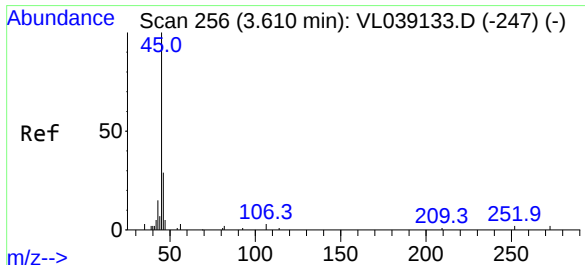
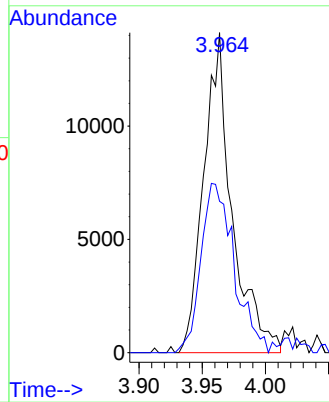
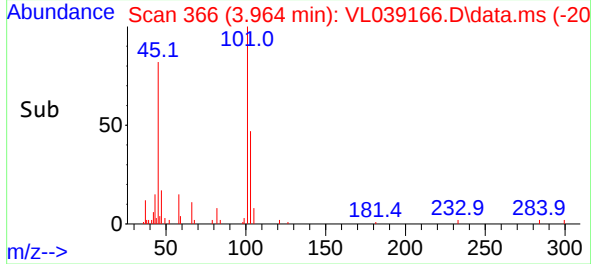
Instrument :
MSVOA_L
ClientSampleId :
SV2



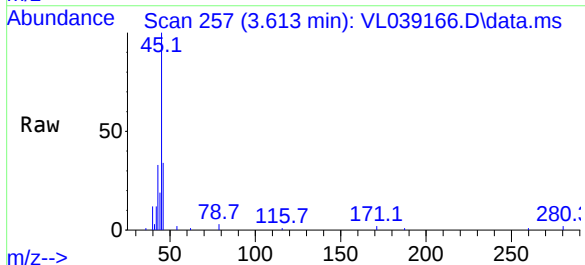
Tgt Ion:101 Resp: 2198
Ion Ratio Lower Upper
101 100
103 47.3 51.7 77.5

Manual Integrations
APPROVED

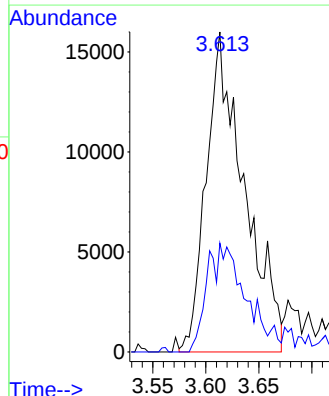
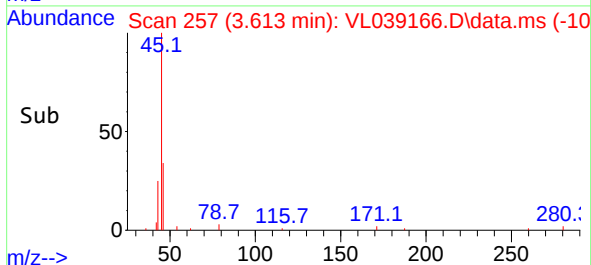
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

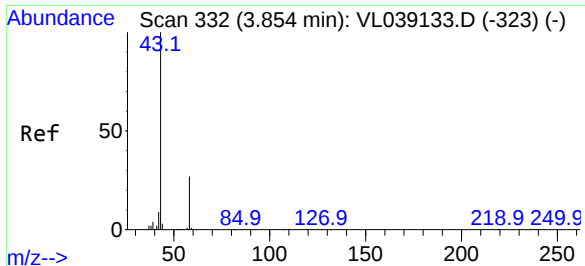


#13
Ethanol
Concen: 11.564 ppbv m
RT: 3.613 min Scan# 257
Delta R.T. 0.003 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51



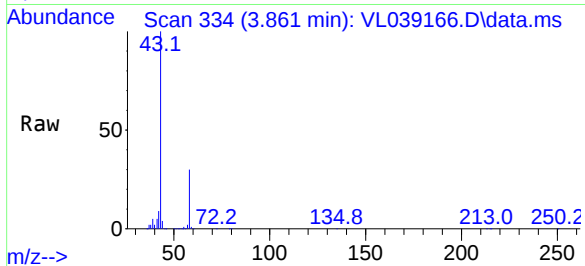
Tgt Ion: 45 Resp: 39672
Ion Ratio Lower Upper
45 100
46 34.9 0.0 0.0#





#15
Acetone
Concen: 3.013 ppbv
RT: 3.861 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

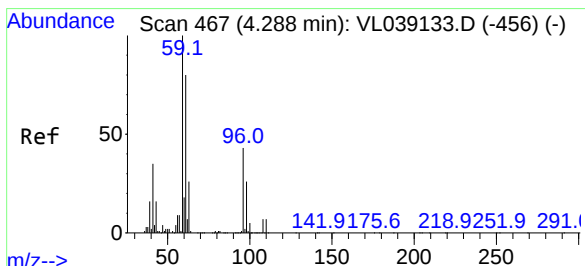
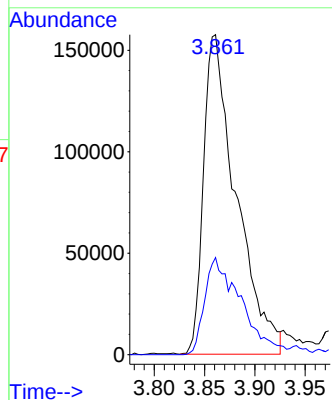
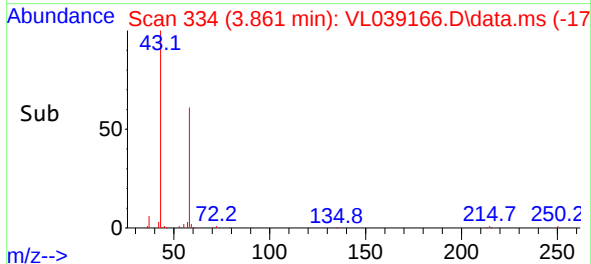
Instrument :
MSVOA_L
ClientSampleId :
SV2



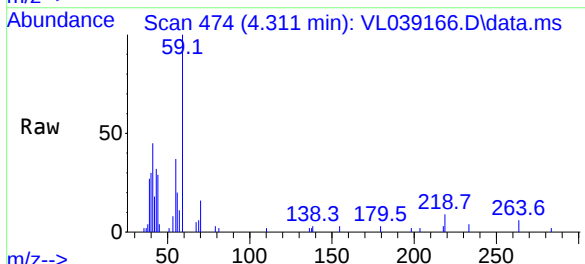
Tgt Ion: 43 Resp: 35585
Ion Ratio Lower Upper
43 100
58 36.4 22.5 33.7

Manual Integrations
APPROVED

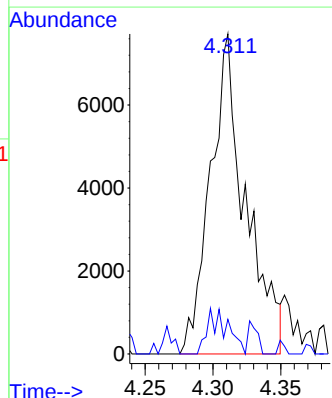
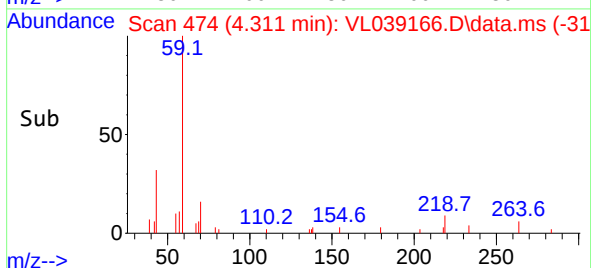
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

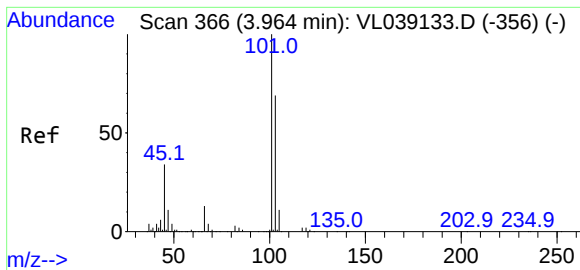


#17
tert-Butyl alcohol
Concen: 0.152 ppbv
RT: 4.311 min Scan# 474
Delta R.T. 0.023 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51



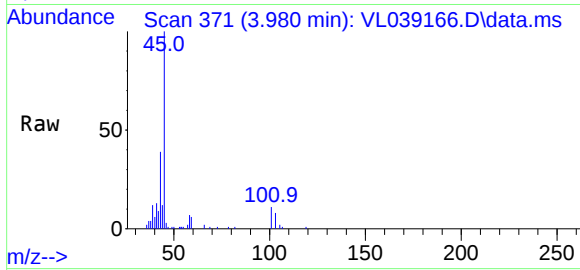
Tgt Ion: 59 Resp: 13910
Ion Ratio Lower Upper
59 100
57 12.9 9.1 13.7





#19
Isopropyl Alcohol
Concen: 1.098 ppbv m
RT: 3.980 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

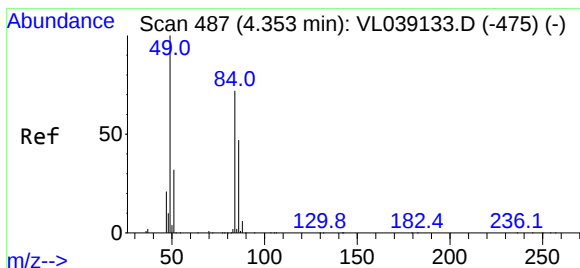
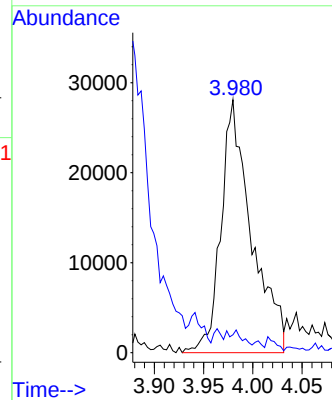
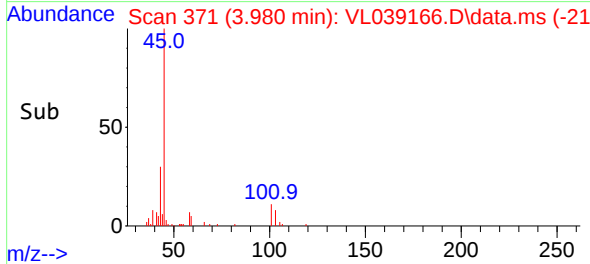
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 45 Resp: 6084
Ion Ratio Lower Upper
45 100
58 12.0 1.8 2.8

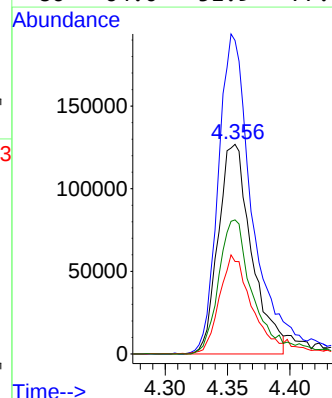
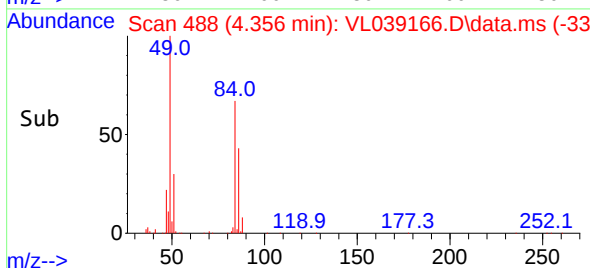
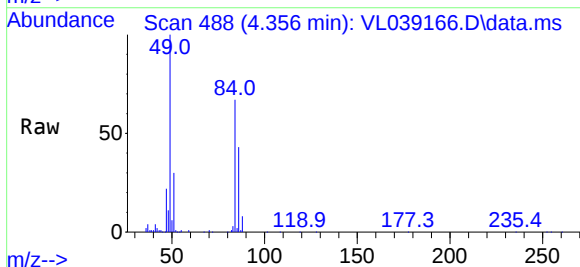
Manual Integrations
APPROVED

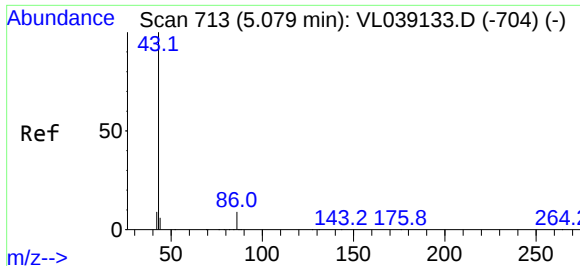
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#20
Methylene Chloride
Concen: 4.762 ppbv
RT: 4.356 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

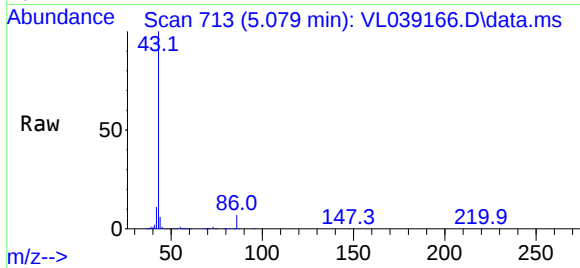
Tgt Ion: 84 Resp: 237030
Ion Ratio Lower Upper
84 100
49 149.5 111.1 166.7
51 43.8 35.3 52.9
86 64.0 51.9 77.9





#23
 Vinyl Acetate
 Concen: 10.795 ppbv
 RT: 5.079 min Scan# 713
 Delta R.T. 0.000 min
 Lab File: VL039166.D
 Acq: 3 Jun 2022 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

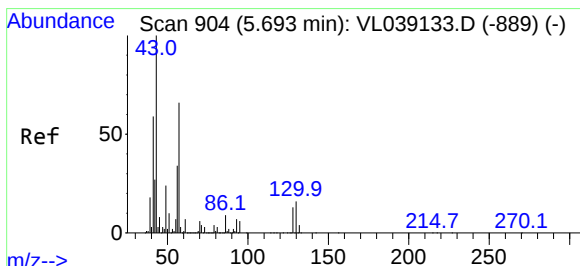
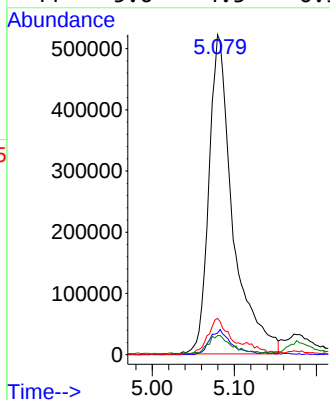
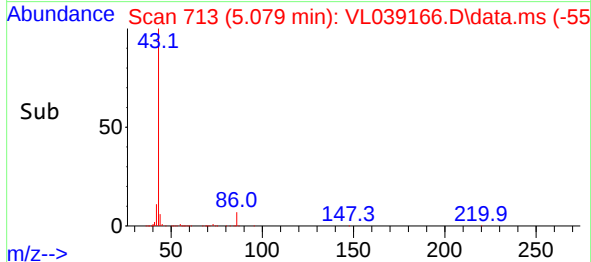


Tgt Ion: 43 Resp: 1054940

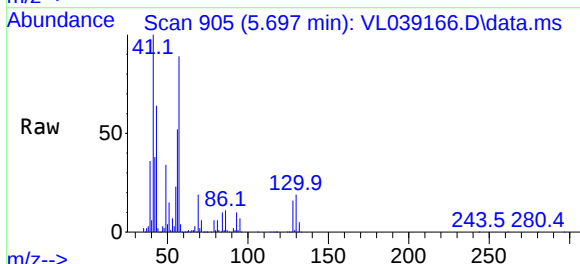
Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.0	9.0
42	11.3	8.2	12.4
44	5.6	4.3	6.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022

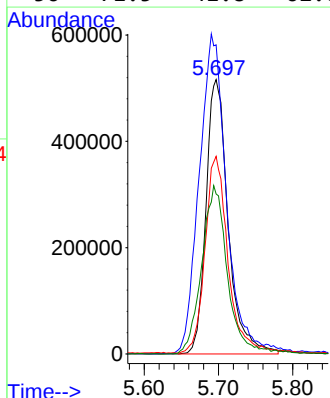
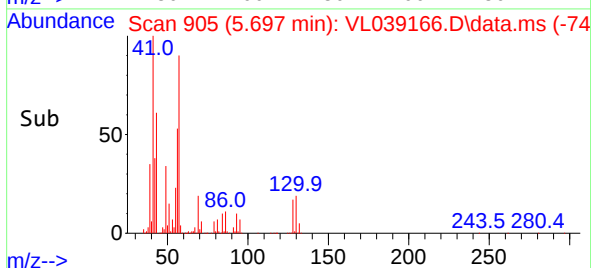


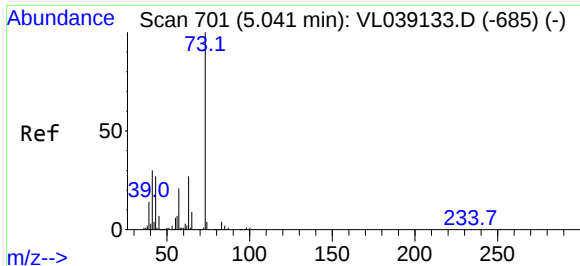
#26
 Hexane
 Concen: 9.149 ppbv
 RT: 5.697 min Scan# 905
 Delta R.T. 0.003 min
 Lab File: VL039166.D
 Acq: 3 Jun 2022 23:51



Tgt Ion: 57 Resp: 1070273

Ion	Ratio	Lower	Upper
57	100		
41	145.4	72.4	108.6#
43	75.5	187.0	280.6#
56	71.5	41.8	62.6#





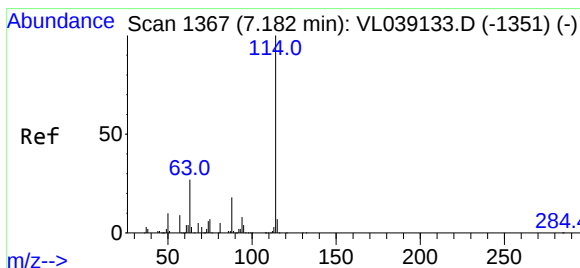
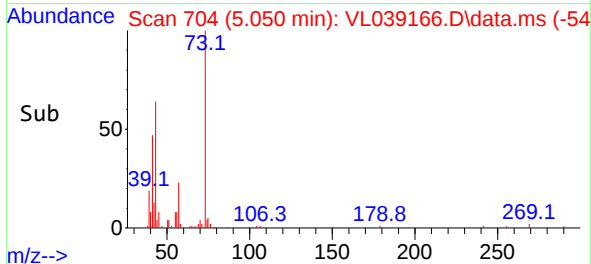
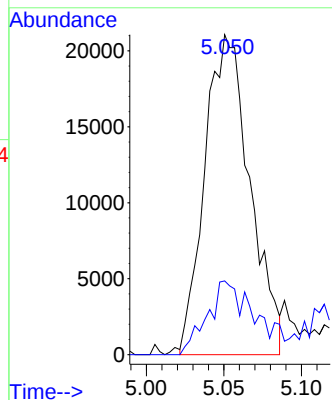
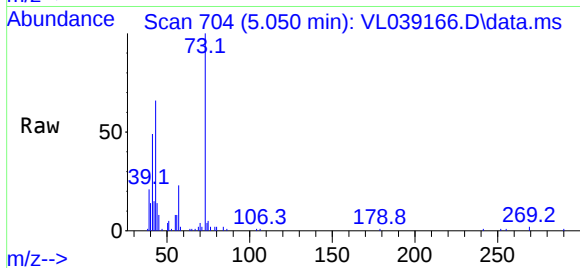
#28
Methyl tert-Butyl Ether
Concen: 0.331 ppbv m
RT: 5.050 min Scan# 701
Delta R.T. 0.010 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 73 Resp: 42729
Ion Ratio Lower Upper
73 100
57 0.0 18.6 27.8

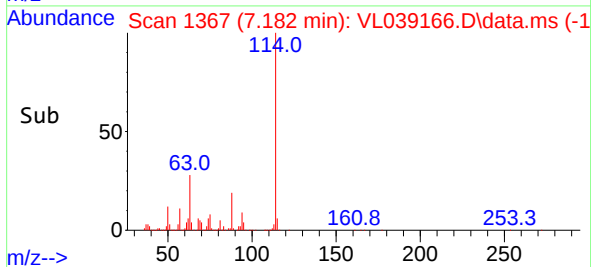
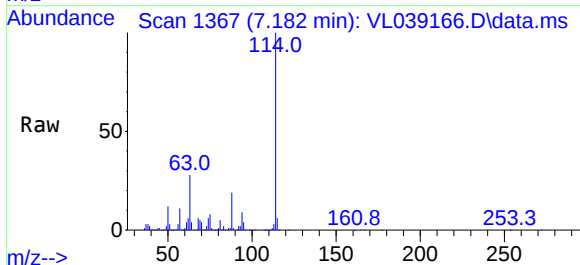
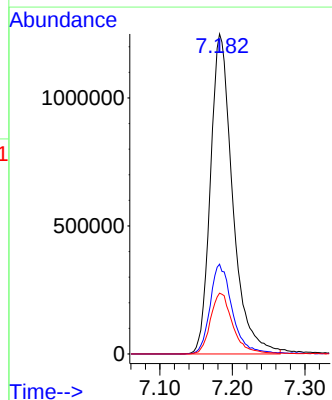
Manual Integrations
APPROVED

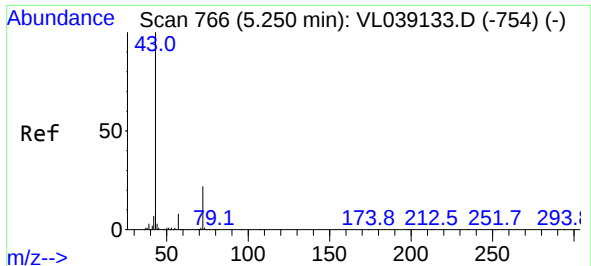
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.000 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

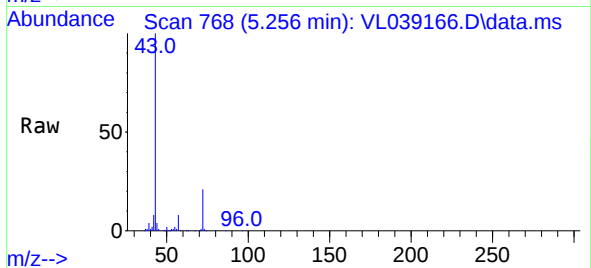
Tgt Ion:114 Resp: 2659982
Ion Ratio Lower Upper
114 100
63 28.5 21.7 32.5
88 19.2 14.8 22.2





#34
2-Butanone
Concen: 3.058 ppbv
RT: 5.256 min Scan# 70
Delta R.T. 0.007 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

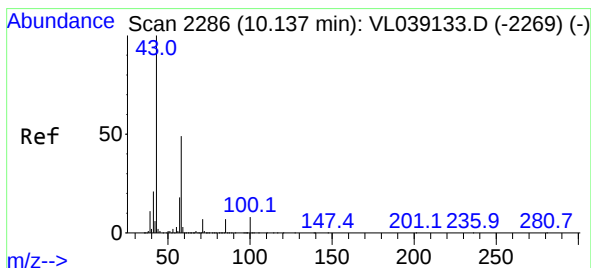
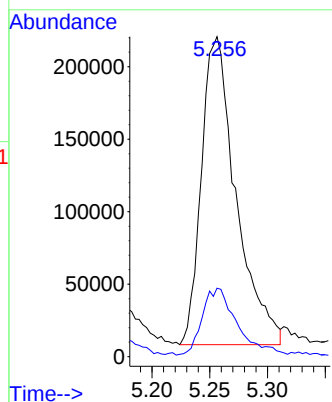
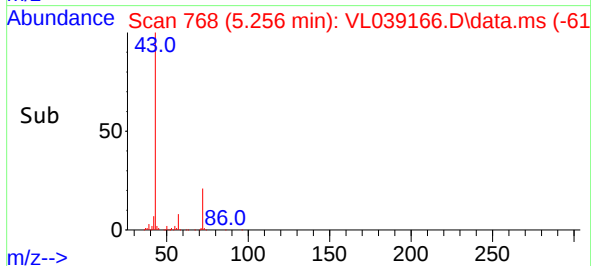
Instrument :
MSVOA_L
ClientSampleId :
SV2



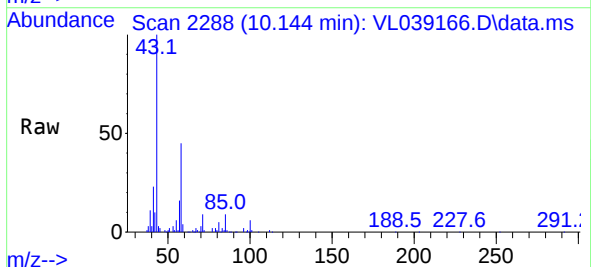
Tgt Ion: 43 Resp: 441928
Ion Ratio Lower Upper
43 100
72 24.3 18.2 27.2

Manual Integrations
APPROVED

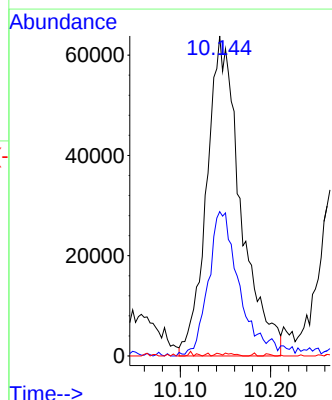
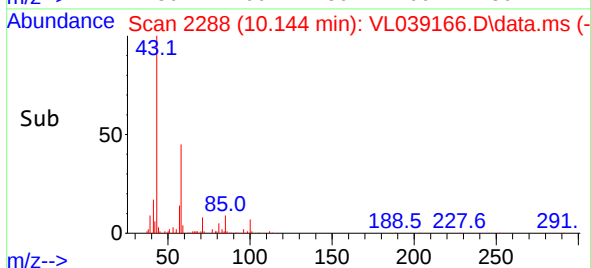
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

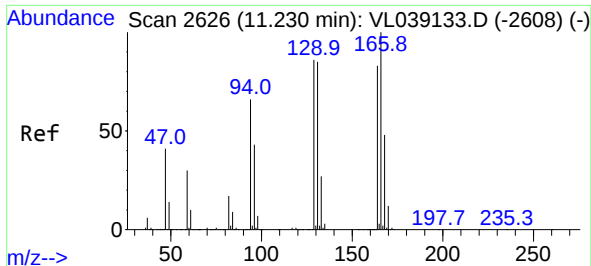


#51
2-Hexanone
Concen: 0.993 ppbv m
RT: 10.144 min Scan# 2288
Delta R.T. 0.007 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51



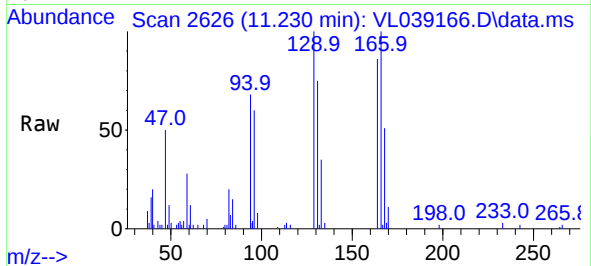
Tgt Ion: 43 Resp: 167200
Ion Ratio Lower Upper
43 100
58 43.4 40.0 60.0
98 0.3 0.1 0.1#





#52
Tetrachloroethene
Concen: 0.218 ppbv m
RT: 11.230 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

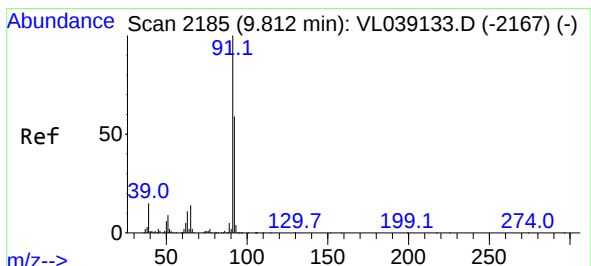
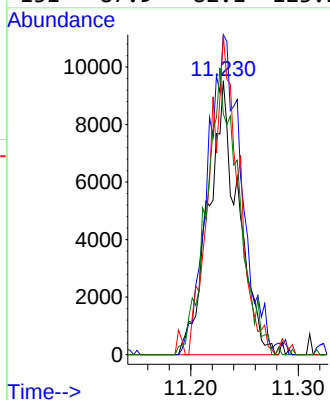
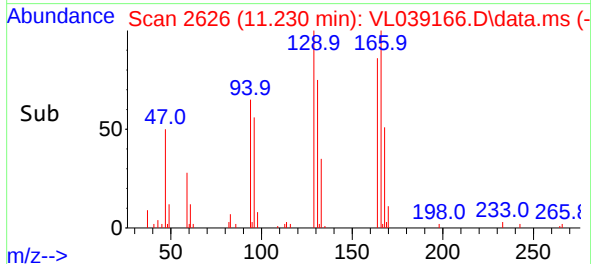
Instrument :
MSVOA_L
ClientSampleId :
SV2



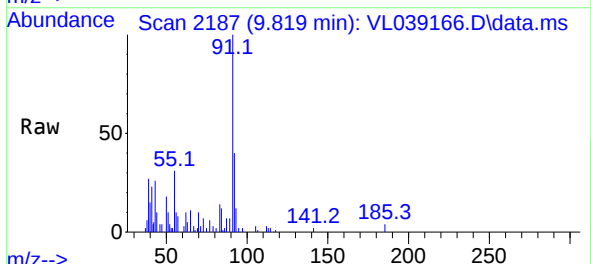
Tgt Ion:164 Resp: 1837
Ion Ratio Lower Upper
164 100
166 116.8 96.3 144.5
129 116.6 82.5 123.7
131 87.9 82.1 123.1

Manual Integrations
APPROVED

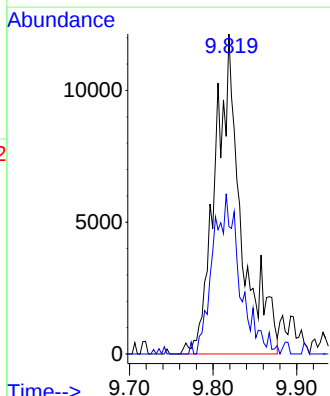
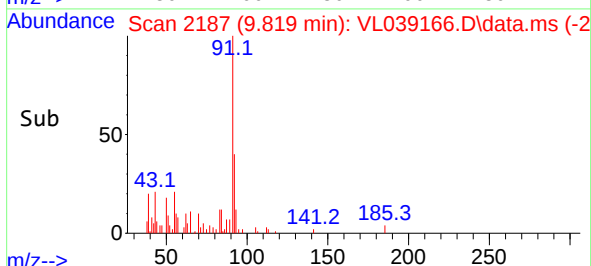
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

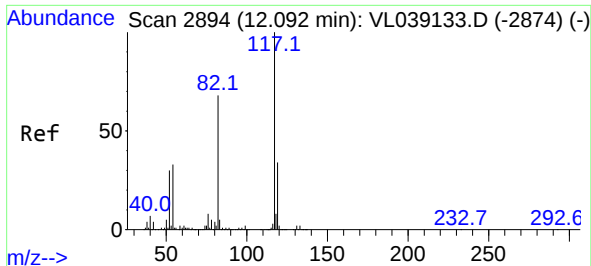


#53
Toluene
Concen: 0.107 ppbv m
RT: 9.819 min Scan# 2187
Delta R.T. 0.007 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51



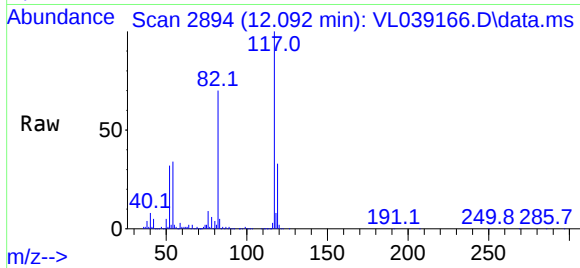
Tgt Ion: 91 Resp: 26518
Ion Ratio Lower Upper
91 100
92 52.5 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.092 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

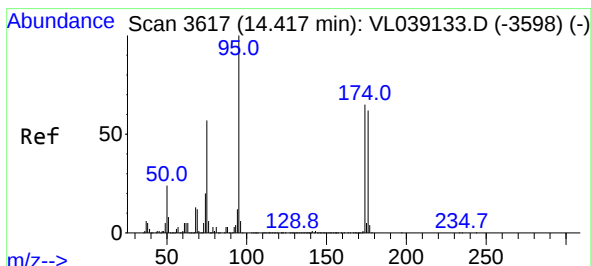
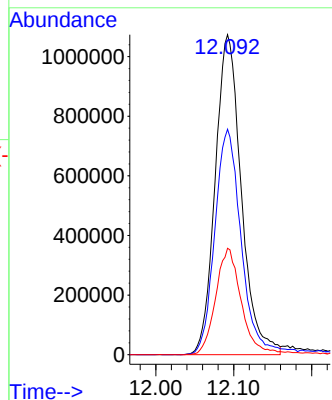
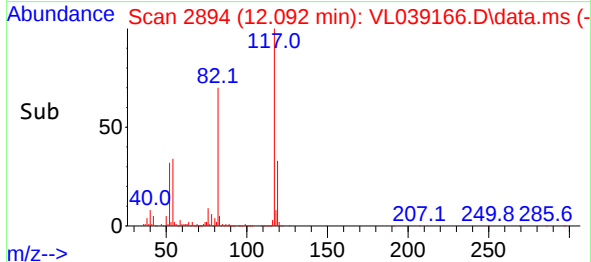
Instrument :
MSVOA_L
ClientSampleId :
SV2



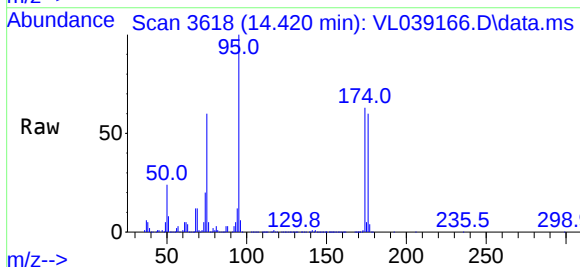
Tgt Ion: 117 Resp: 2503358
Ion Ratio Lower Upper
117 100
82 72.1 55.1 82.7
119 33.3 24.7 37.1

Manual Integrations
APPROVED

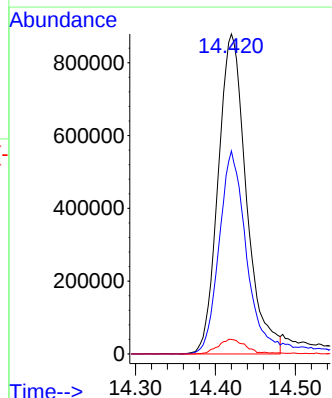
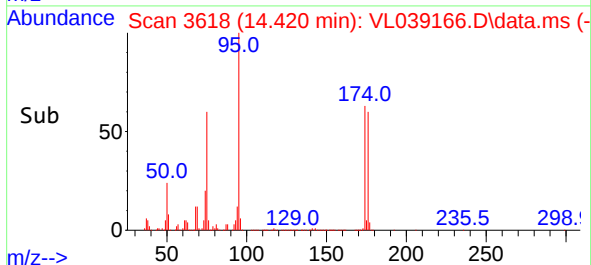
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

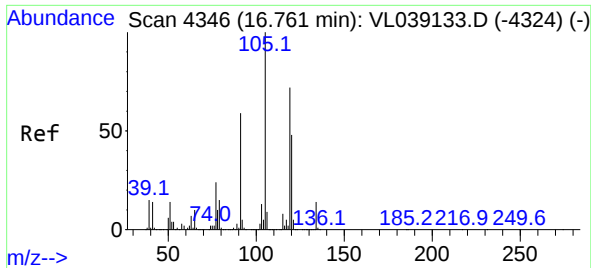


#68
1-Bromo-4-Fluorobenzene
Concen: 10.376 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.003 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51



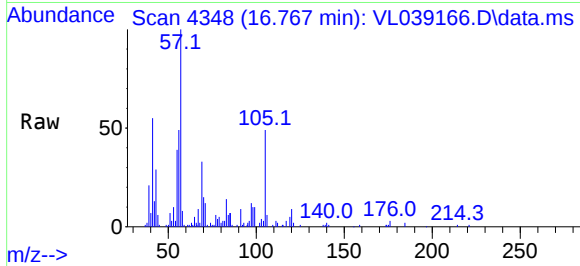
Tgt Ion: 95 Resp: 2147492
Ion Ratio Lower Upper
95 100
174 66.0 53.8 80.8
175 4.8 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.108 ppbv m
RT: 16.767 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL039166.D
Acq: 3 Jun 2022 23:51

Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:	105	Resp:	3649
Ion	Ratio	Lower	Upper
105	100		
120	17.6	38.1	57.1
91	18.0	47.4	71.0
77	11.9	19.5	29.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

