

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040259.D
 Acq On : 8 Mar 2023 18:11
 Operator : SY/MD
 Sample : 01836-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SS

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 04:15:01 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Mar 01 04:21:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	840223	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2001637	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	1781941	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1488964	10.162	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	69718	0.445	ppbv	96
3) Chlorodifluoromethane	2.661	51	74370	0.741	ppbv	99
4) Chloromethane	2.806	50	8361	0.133	ppbv	93
9) Propene	2.693	41	21114m	0.516	ppbv	
11) Trichlorofluoromethane	3.549	101	33615	0.239	ppbv	98
13) Ethanol	3.227	45	514477	136.591	ppbv	96
15) Acetone	3.452	43	1740741	17.208	ppbv	100
20) Methylene Chloride	3.919	84	1381137	26.227	ppbv	97
26) Hexane	5.198	57	819159	10.147	ppbv #	36
29) Chloroform	5.259	83	72038	0.520	ppbv	87
31) cis-1,2-Dichloroethene	5.066	61	239076	3.117	ppbv	97
34) 2-Butanone	4.774	43	54736	0.554	ppbv	96
35) Carbon Tetrachloride	6.481	117	7905m	0.067	ppbv	
38) Trichloroethene	7.279	130	301638	3.514	ppbv	97
52) Tetrachloroethene	10.619	164	9811520	201.709	ppbv	90
58) Ethyl Benzene	12.082	91	271534	1.254	ppbv	95
59) m/p-Xylene	12.333	91	1005317	5.243	ppbv	97
60) o-Xylene	13.050	91	109774	0.595	ppbv	100

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

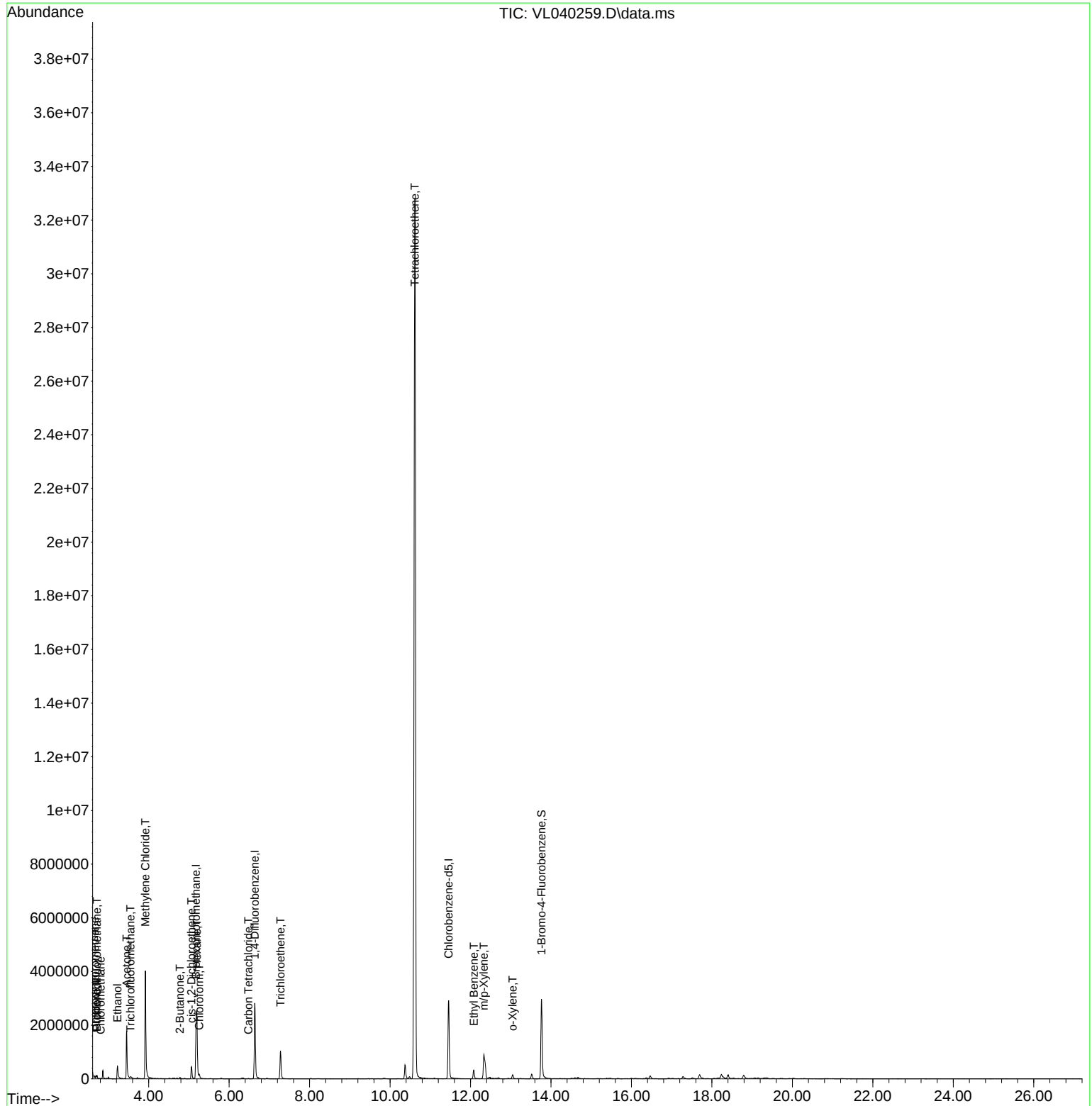
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
Data File : VL040259.D
Acq On : 8 Mar 2023 18:11
Operator : SY/MD
Sample : 01836-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

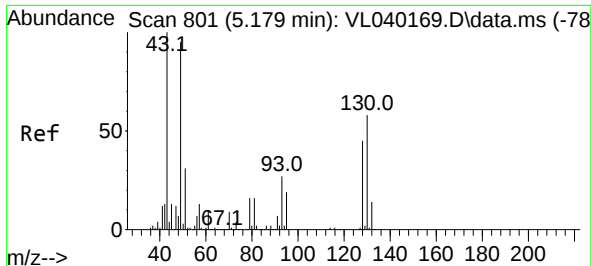
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

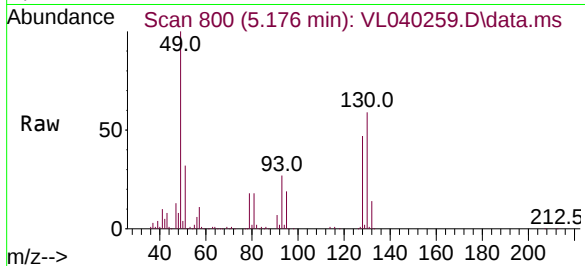
Quant Time: Mar 09 04:15:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 01 04:21:39 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.025 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

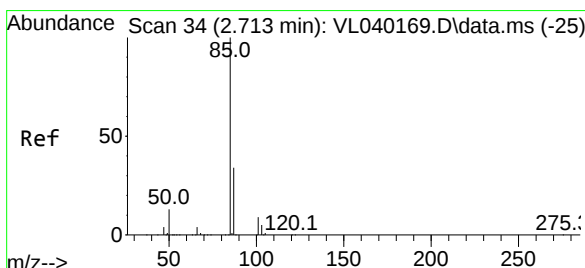
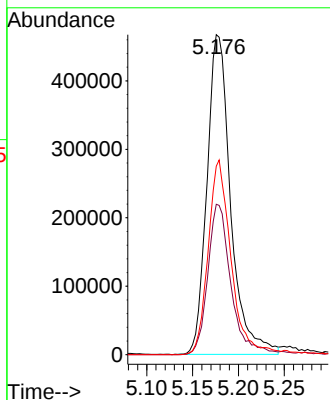
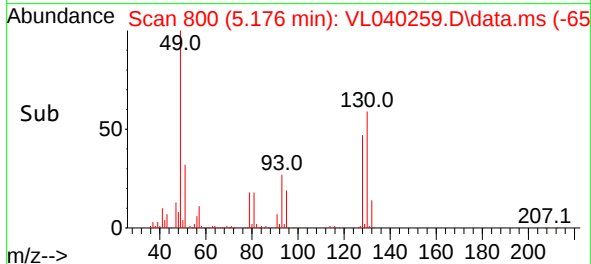
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS



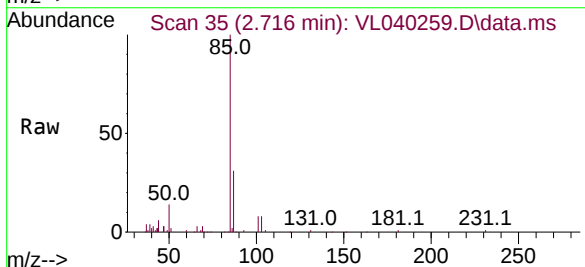
Tgt Ion: 49 Resp: 84022
Ion Ratio Lower Upper
49 100
128 47.0 24.1 72.3
130 60.0 30.9 92.8

Manual Integrations
APPROVED

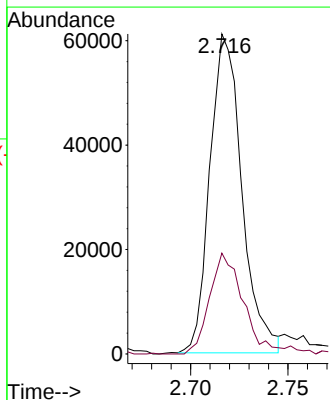
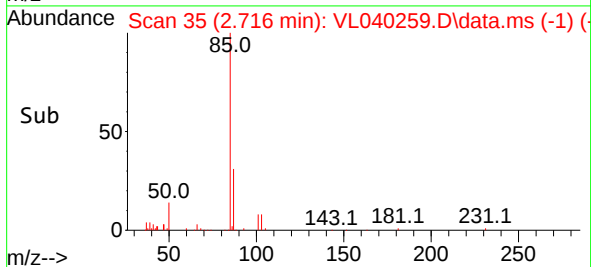
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

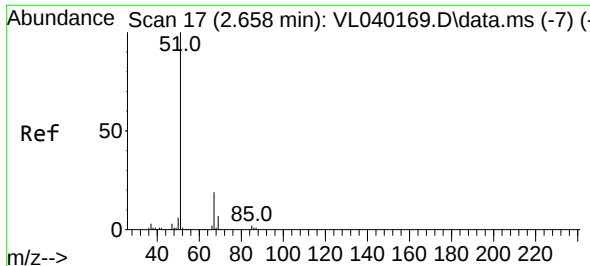


#2
Dichlorodifluoromethane
Concen: 0.445 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.010 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11



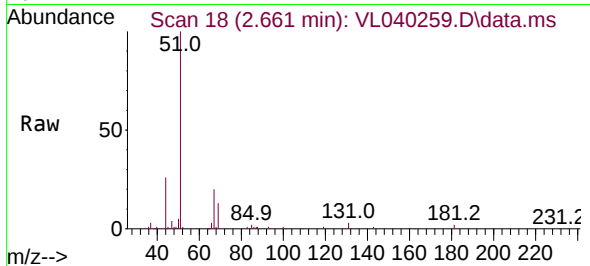
Tgt Ion: 85 Resp: 69718
Ion Ratio Lower Upper
85 100
87 31.6 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.741 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

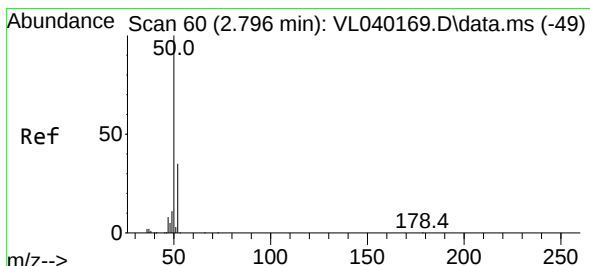
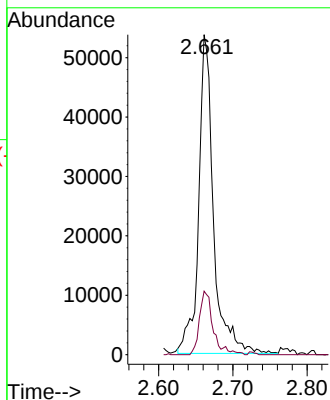
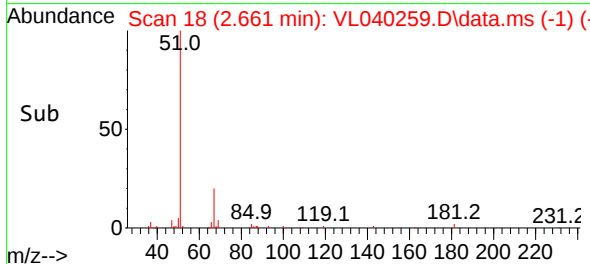
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS



Tgt Ion: 51 Resp: 74370
Ion Ratio Lower Upper
51 100
67 18.7 15.4 23.2

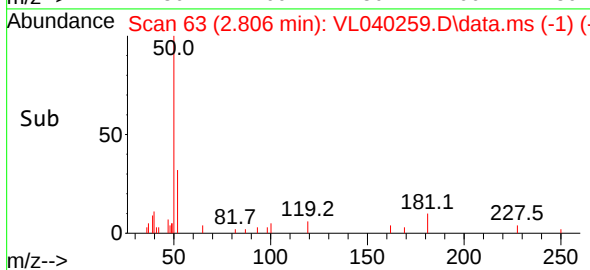
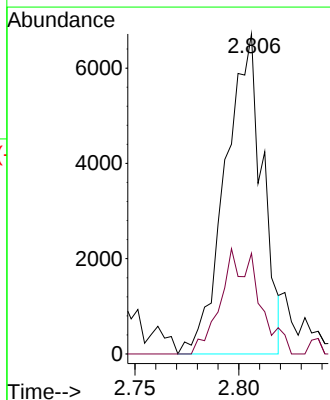
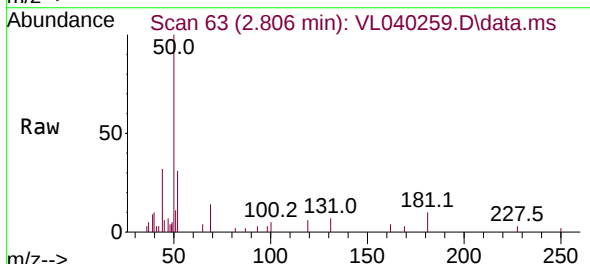
Manual Integrations
APPROVED

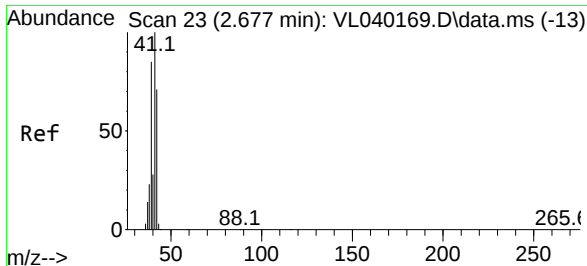
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#4
Chloromethane
Concen: 0.133 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.006 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 50 Resp: 8361
Ion Ratio Lower Upper
50 100
52 31.5 28.3 42.5





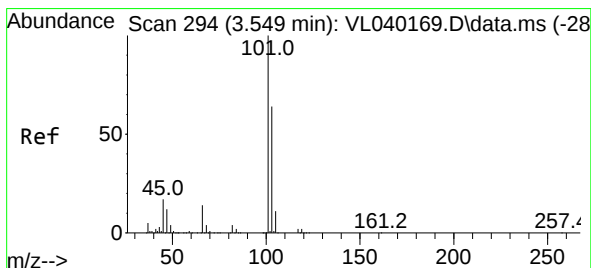
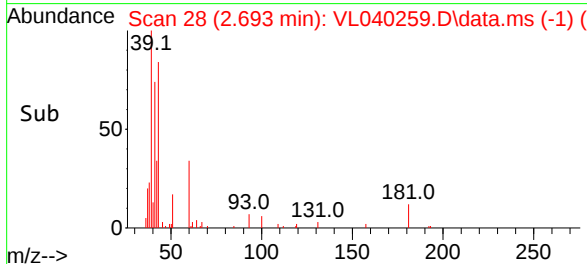
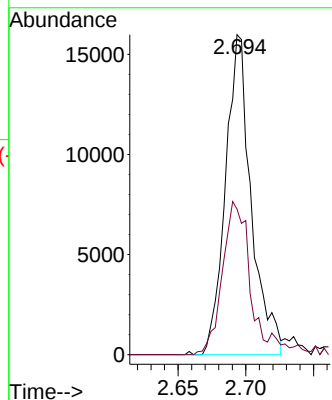
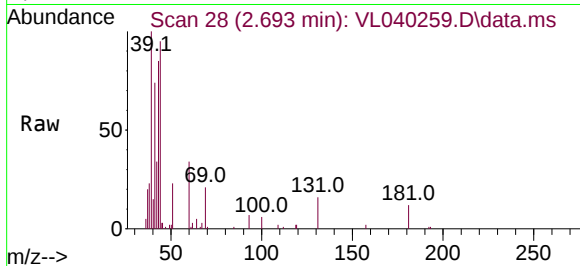
#9
Propene
Concen: 0.516 ppbv m
RT: 2.693 min Scan# 21114
Delta R.T. 0.003 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

Tgt Ion: 41 Resp: 21114
Ion Ratio Lower Upper
41 100
42 242.5 56.9 85.3

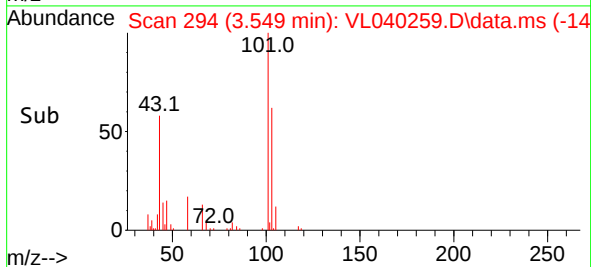
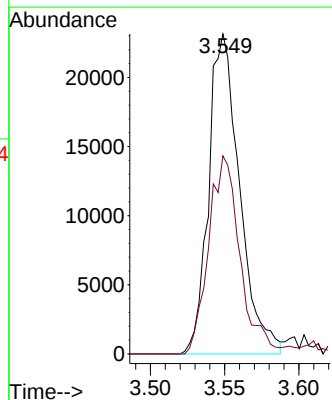
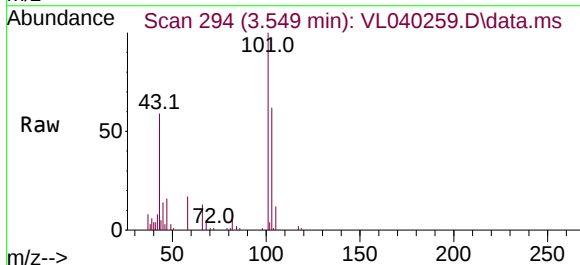
Manual Integrations
APPROVED

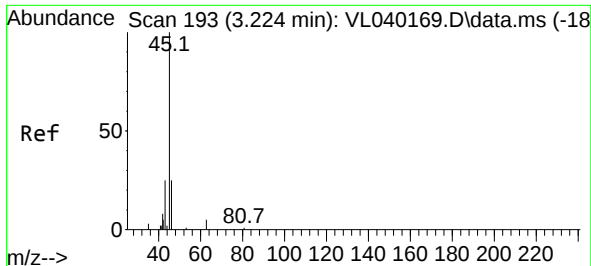
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#11
Trichlorofluoromethane
Concen: 0.239 ppbv
RT: 3.549 min Scan# 294
Delta R.T. -0.016 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

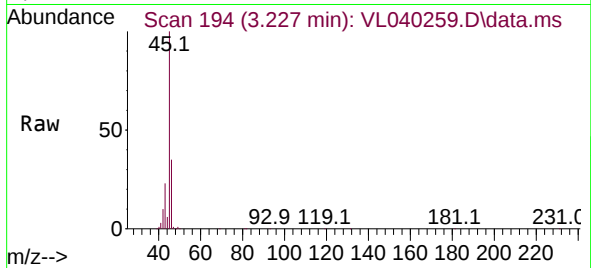
Tgt Ion:101 Resp: 33615
Ion Ratio Lower Upper
101 100
103 61.9 51.0 76.6





#13
Ethanol
Concen: 136.591 ppbv
RT: 3.227 min Scan# 193
Delta R.T. -0.019 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

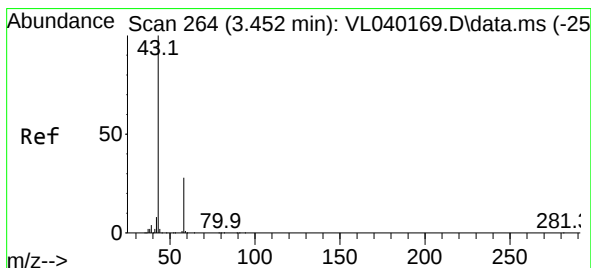
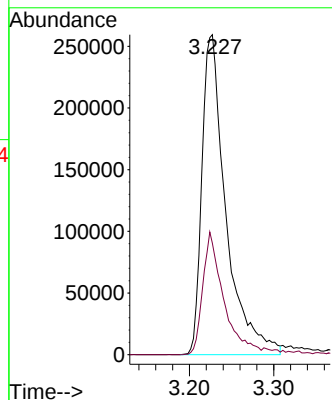
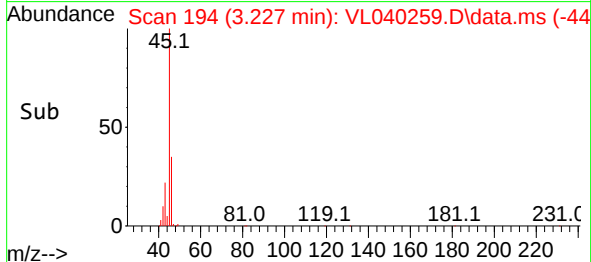
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS



Tgt Ion: 45 Resp: 51447
Ion Ratio Lower Upper
45 100
46 35.7 13.3 53.1

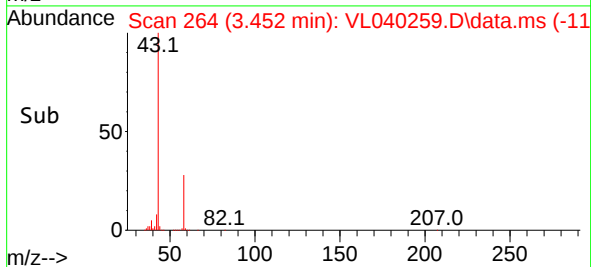
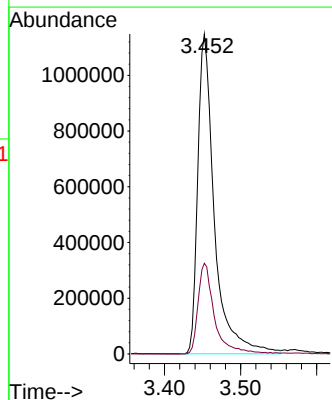
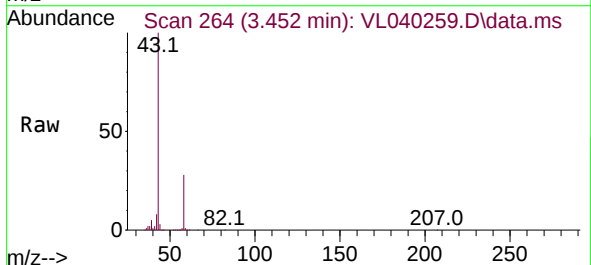
Manual Integrations
APPROVED

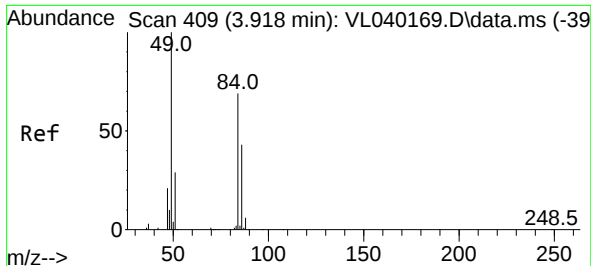
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#15
Acetone
Concen: 17.208 ppbv
RT: 3.452 min Scan# 264
Delta R.T. -0.016 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

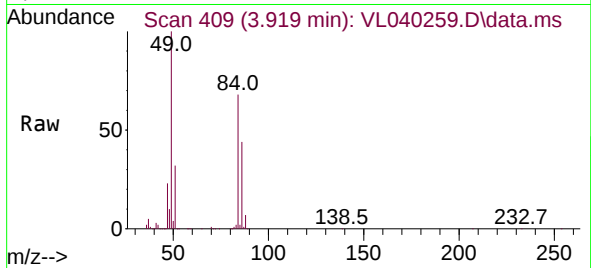
Tgt Ion: 43 Resp: 1740741
Ion Ratio Lower Upper
43 100
58 28.2 22.4 33.6





#20
Methylene Chloride
Concen: 26.227 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.016 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

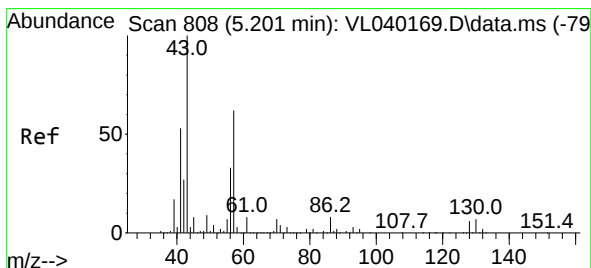
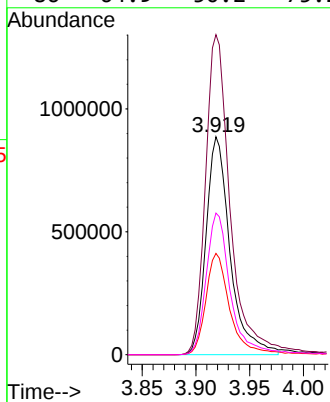
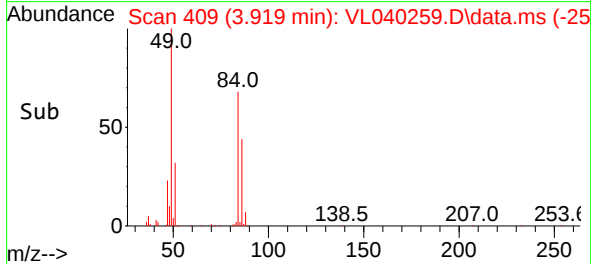
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS



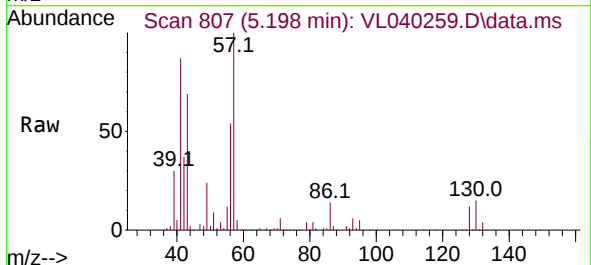
Tgt Ion: 84 Resp: 138113
Ion Ratio Lower Upper
84 100
49 146.7 115.5 173.3
51 46.4 33.1 49.7
86 64.9 50.2 75.2

Manual Integrations
APPROVED

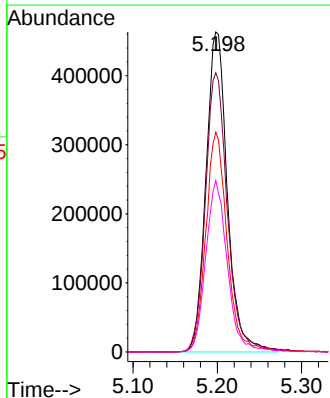
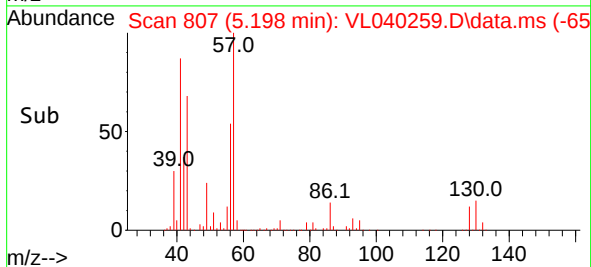
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

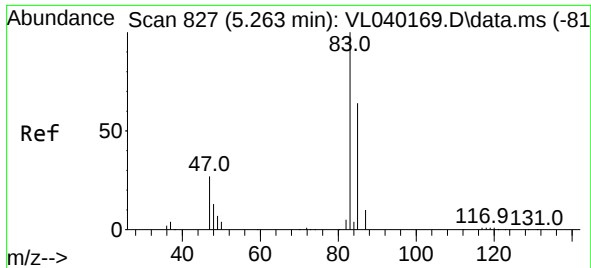


#26
Hexane
Concen: 10.147 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.026 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11



Tgt Ion: 57 Resp: 819159
Ion Ratio Lower Upper
57 100
41 90.8 74.3 111.5
43 68.9 193.0 289.4#
56 54.2 42.6 64.0





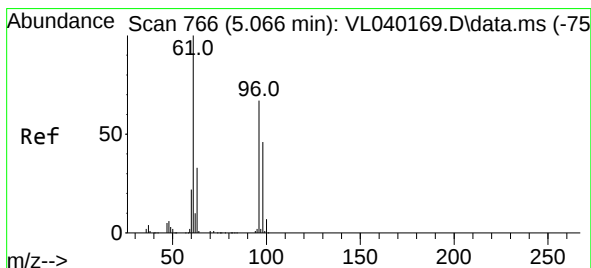
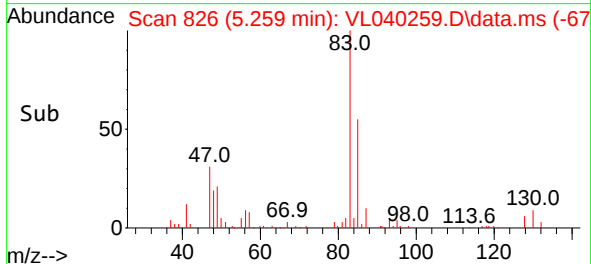
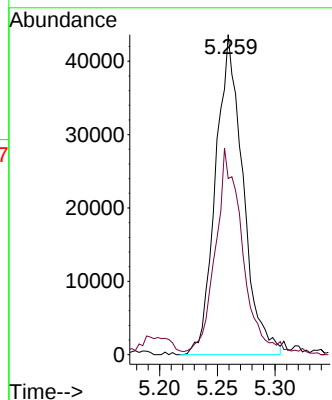
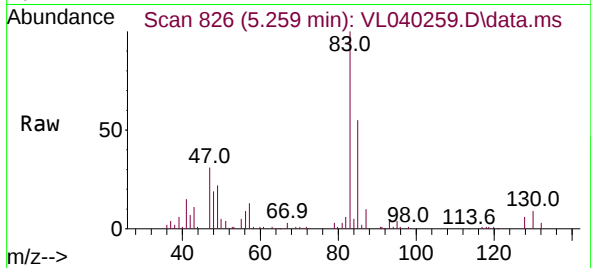
#29
Chloroform
Concen: 0.520 ppbv
RT: 5.259 min Scan# 81
Delta R.T. -0.022 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

Tgt Ion: 83 Resp: 72038
Ion Ratio Lower Upper
83 100
85 53.8 51.5 77.3

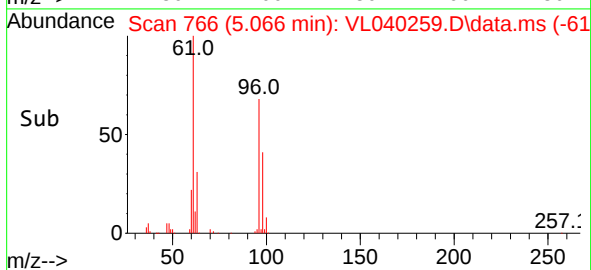
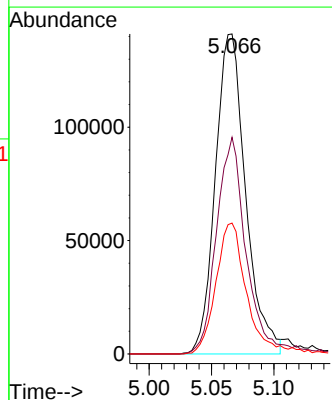
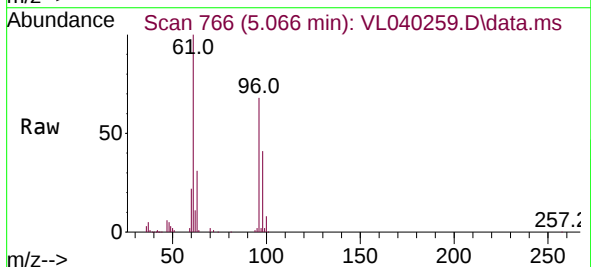
Manual Integrations
APPROVED

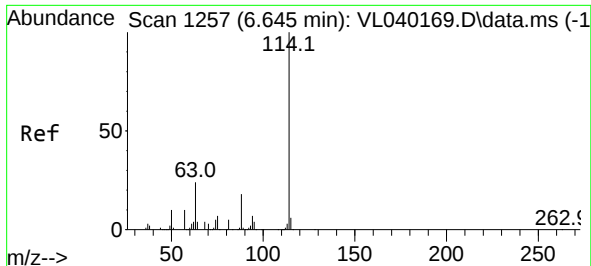
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#31
cis-1,2-Dichloroethene
Concen: 3.117 ppbv
RT: 5.066 min Scan# 766
Delta R.T. -0.019 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

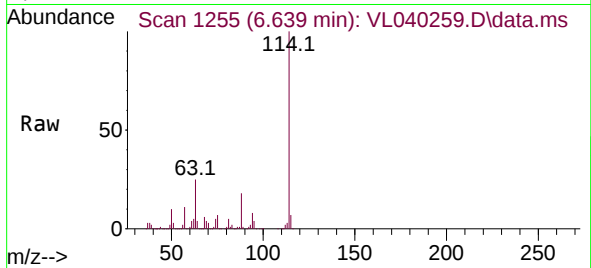
Tgt Ion: 61 Resp: 239076
Ion Ratio Lower Upper
61 100
96 67.7 53.7 80.5
98 40.9 36.4 54.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.026 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

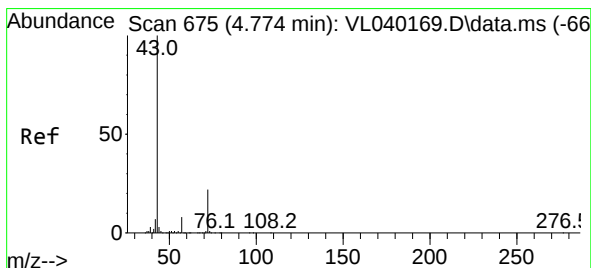
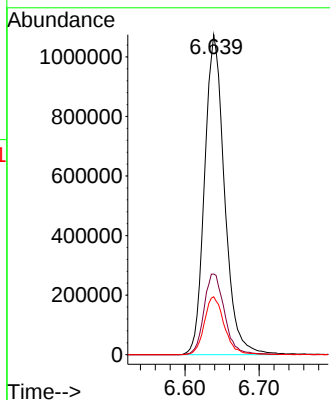
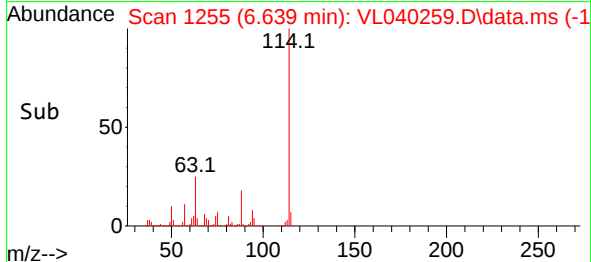
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS



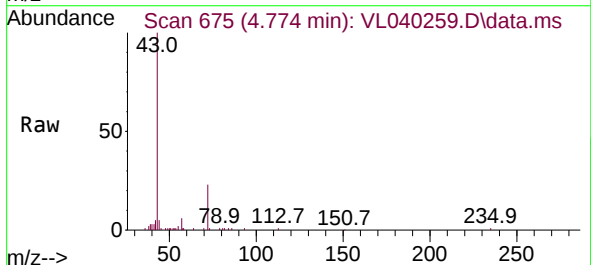
Tgt Ion:114 Resp: 200163
Ion Ratio Lower Upper
114 100
63 26.2 20.4 30.6
88 18.3 14.3 21.5

Manual Integrations
APPROVED

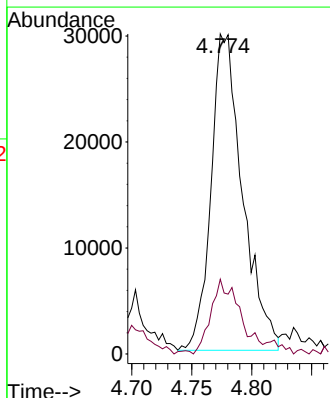
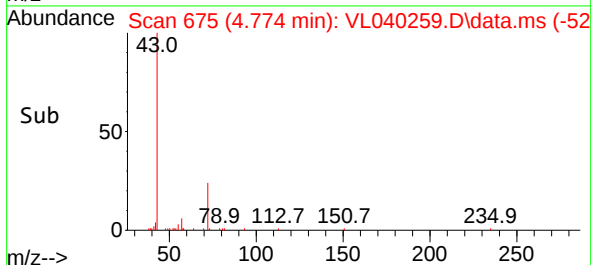
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

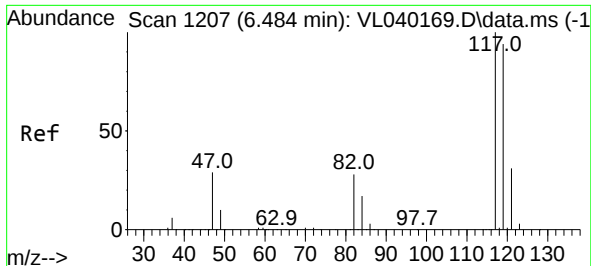


#34
2-Butanone
Concen: 0.554 ppbv
RT: 4.774 min Scan# 675
Delta R.T. -0.019 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11



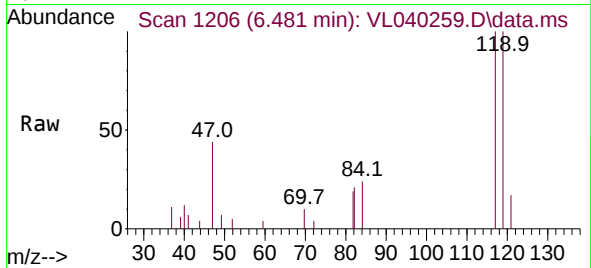
Tgt Ion: 43 Resp: 54736
Ion Ratio Lower Upper
43 100
72 24.3 17.8 26.8





#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 6.481 min Scan# 117
Delta R.T. -0.026 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

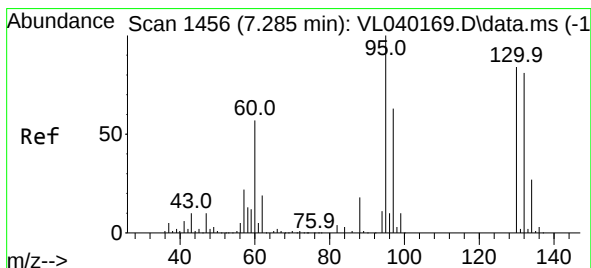
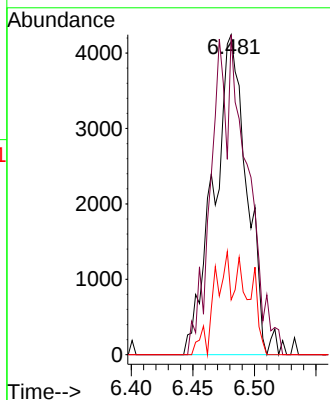
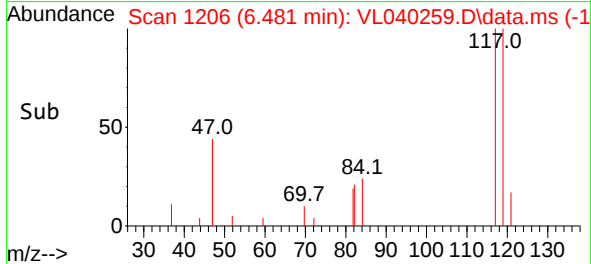
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS



Tgt Ion:117 Resp: 790
Ion Ratio Lower Upper
117 100
119 99.9 75.0 112.6
121 17.2 25.0 37.4

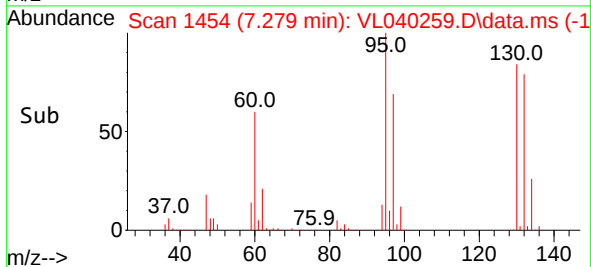
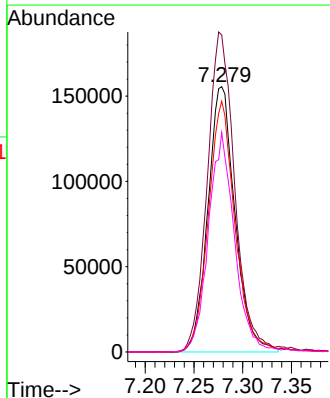
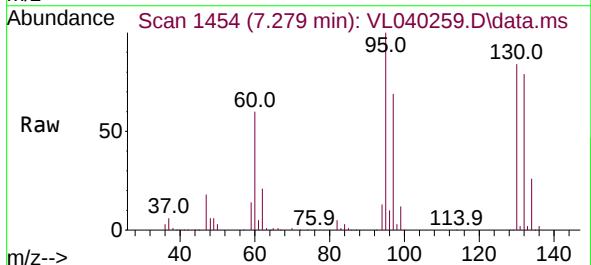
Manual Integrations
APPROVED

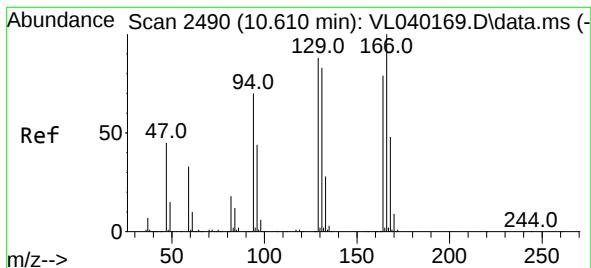
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#38
Trichloroethene
Concen: 3.514 ppbv
RT: 7.279 min Scan# 1454
Delta R.T. -0.029 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

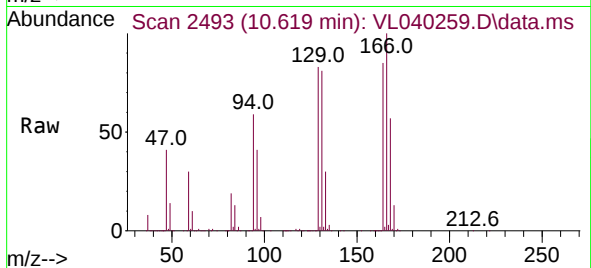
Tgt Ion:130 Resp: 301638
Ion Ratio Lower Upper
130 100
95 119.2 94.7 142.1
132 94.5 76.4 114.6
97 82.7 59.8 89.6





#52
Tetrachloroethene
Concen: 201.709 ppbv
RT: 10.619 min Scan# 2490
Delta R.T. -0.016 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

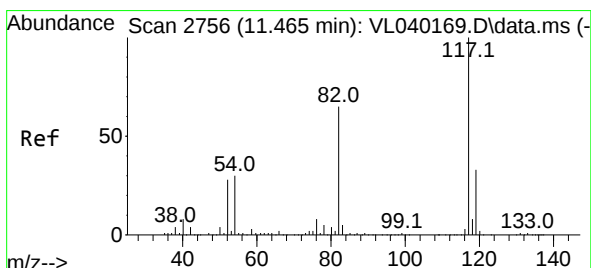
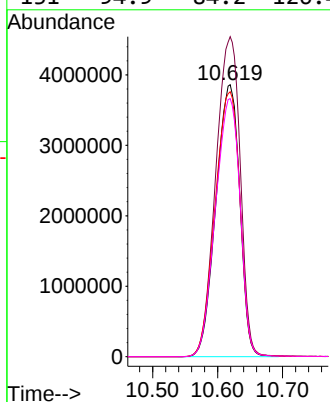
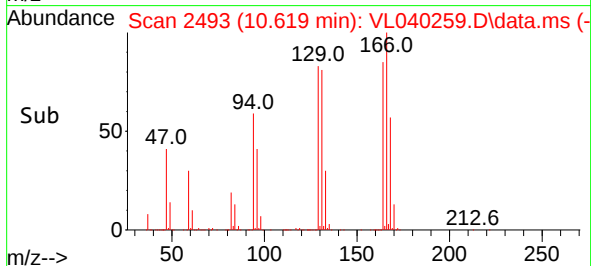
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS



Tgt Ion:164 Resp: 9811520
Ion Ratio Lower Upper
164 100
166 117.7 101.5 152.3
129 97.4 89.0 133.4
131 94.9 84.2 126.4

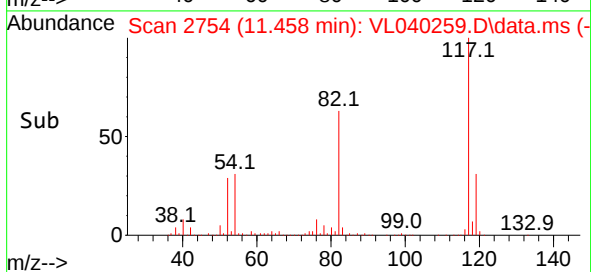
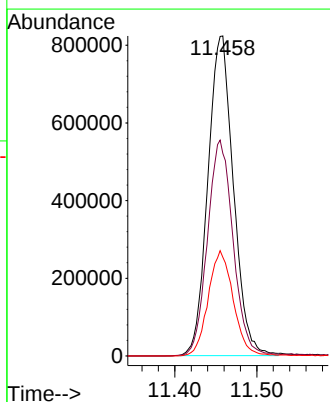
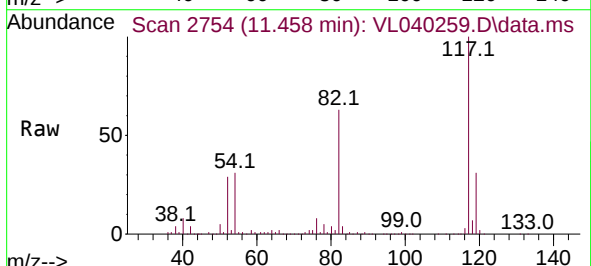
Manual Integrations
APPROVED

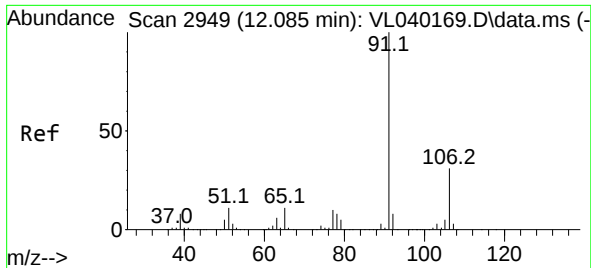
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.029 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion:117 Resp: 1781941
Ion Ratio Lower Upper
117 100
82 68.9 53.3 79.9
119 32.6 24.6 37.0





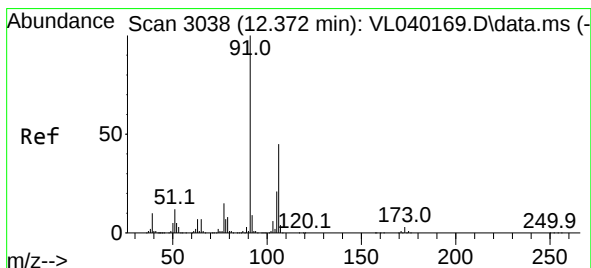
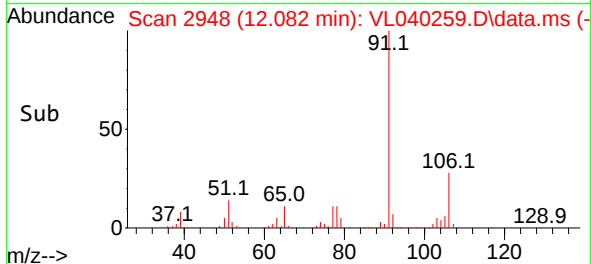
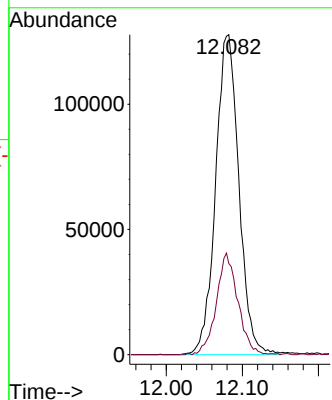
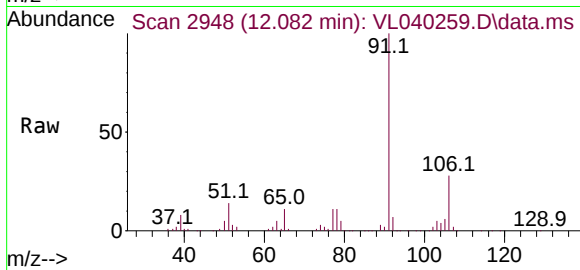
#58
Ethyl Benzene
Concen: 1.254 ppbv
RT: 12.082 min Scan# 2949
Delta R.T. -0.029 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

Tgt Ion: 91 Resp: 271534
Ion Ratio Lower Upper
91 100
106 28.5 24.9 37.3

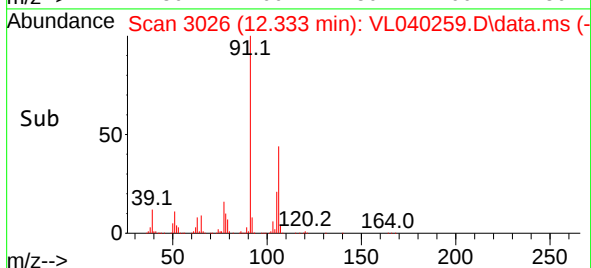
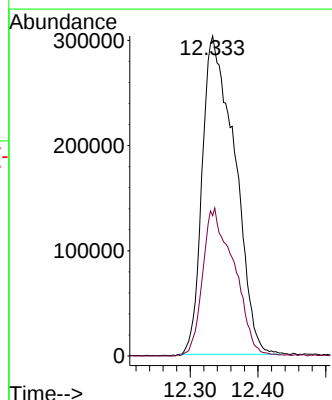
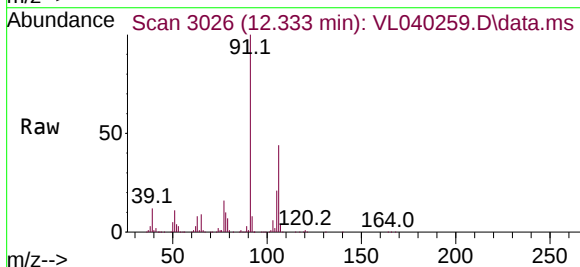
Manual Integrations
APPROVED

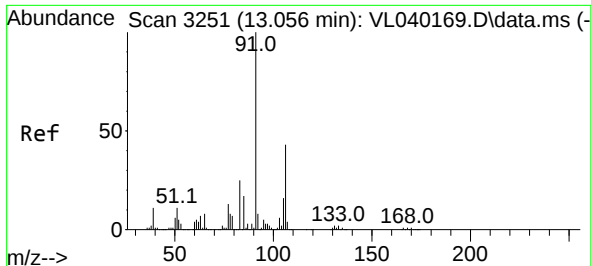
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#59
m/p-Xylene
Concen: 5.243 ppbv
RT: 12.333 min Scan# 3026
Delta R.T. -0.064 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 91 Resp: 1005317
Ion Ratio Lower Upper
91 100
106 45.2 34.6 51.8





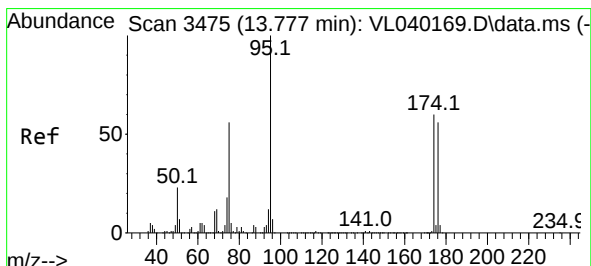
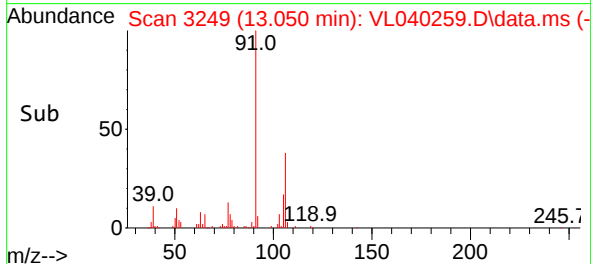
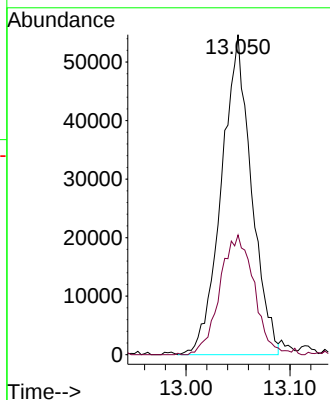
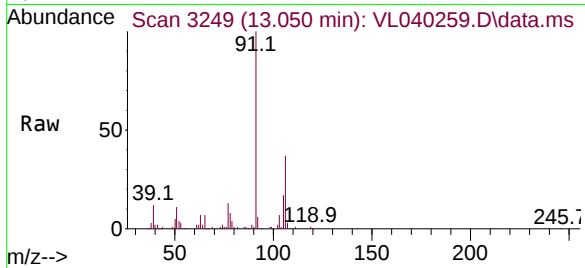
#60
o-Xylene
Concen: 0.595 ppbv
RT: 13.050 min Scan# 31
Delta R.T. -0.032 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

Tgt Ion: 91 Resp: 109774
Ion Ratio Lower Upper
91 100
106 43.1 21.6 65.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.162 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.032 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 95 Resp: 1488964
Ion Ratio Lower Upper
95 100
174 58.3 48.2 72.2
175 4.2 3.4 5.2

