

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040783.D
 Acq On : 23 Oct 2023 17:57
 Operator : SY/MD
 Sample : 05004-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023

Quant Time: Oct 24 05:37:16 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	892836	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.642	114	2433763	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	2187535	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.754	95	1668371	10.365	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	81720	0.520	ppbv	92
3) Chlorodifluoromethane	2.684	51	45115	0.344	ppbv #	87
4) Chloromethane	2.819	50	28099	0.542	ppbv #	81
9) Propene	2.710	41	36590m	0.751	ppbv	
10) Heptane	7.568	43	24831m	0.203	ppbv	
11) Trichlorofluoromethane	3.568	101	29963	0.247	ppbv #	79
13) Ethanol	3.250	45	57465	5.223	ppbv	93
15) Acetone	3.472	43	513521	5.564	ppbv	99
19) Isopropyl Alcohol	3.594	45	47740m	0.803	ppbv	
20) Methylene Chloride	3.931	84	524526	13.643	ppbv	99
23) Vinyl Acetate	4.613	43	30970	0.263	ppbv #	63
26) Hexane	5.205	57	308051	3.333	ppbv #	42
34) 2-Butanone	4.790	43	29100	0.264	ppbv	95
35) Carbon Tetrachloride	6.488	117	10210m	0.075	ppbv	
36) Benzene	6.353	78	45724m	0.244	ppbv	
44) 2,2,4-Trimethylpentane	7.311	57	77739	0.246	ppbv #	86
53) Toluene	9.204	91	177779	0.798	ppbv	98
58) Ethyl Benzene	12.066	91	47028	0.171	ppbv	94
59) m/p-Xylene	12.327	91	123440m	0.545	ppbv	
60) o-Xylene	13.037	91	42963m	0.199	ppbv	

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

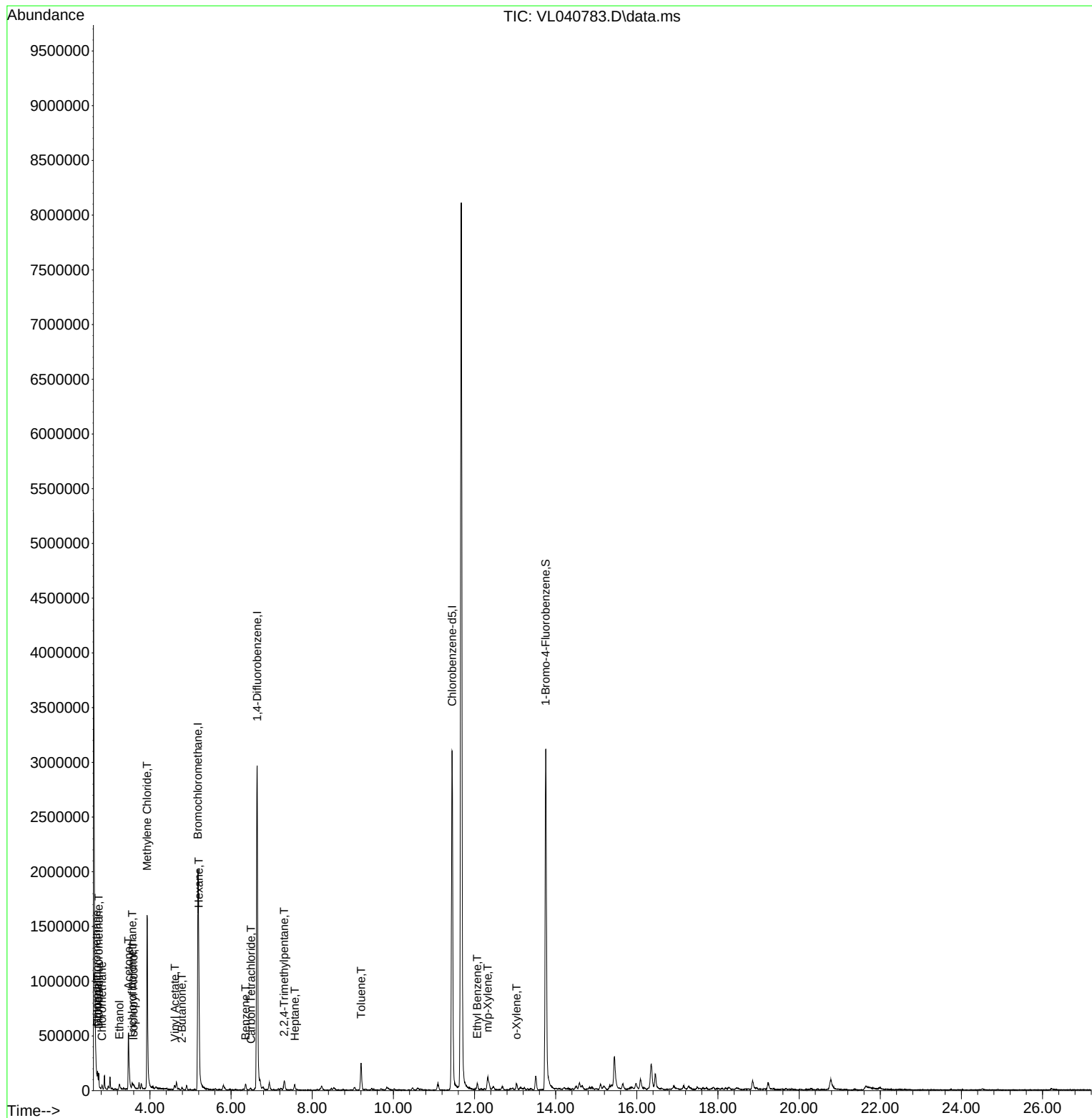
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
Data File : VL040783.D
Acq On : 23 Oct 2023 17:57
Operator : SY/MD
Sample : 05004-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

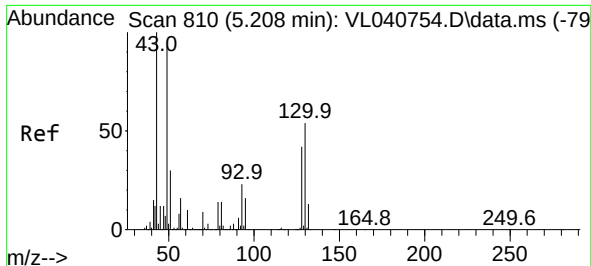
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Oct 24 05:37:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Oct 12 00:21:08 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

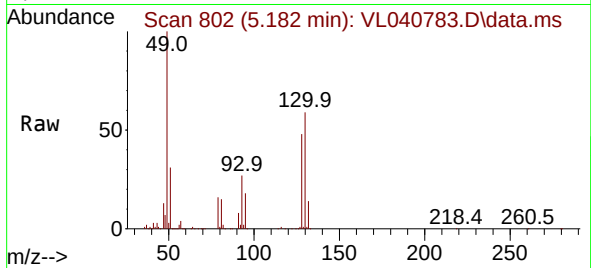
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

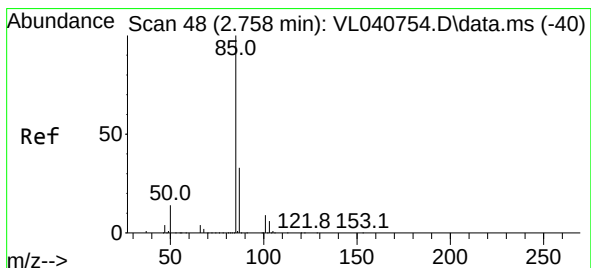
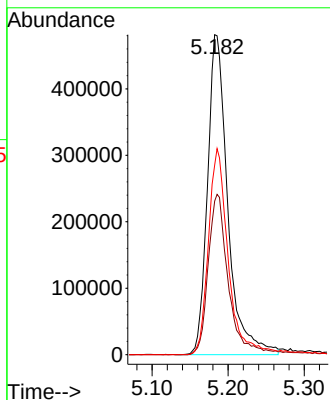
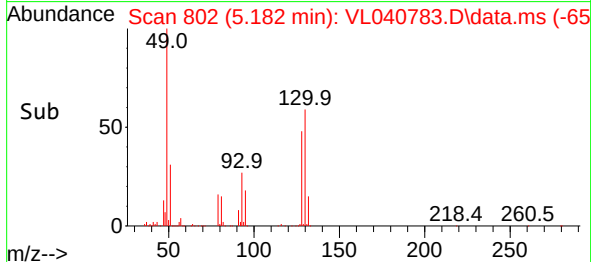
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 892830
Ion Ratio Lower Upper
49 100
128 51.5 23.9 71.7
130 64.5 30.7 92.1

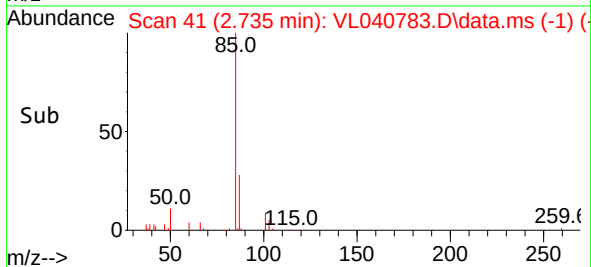
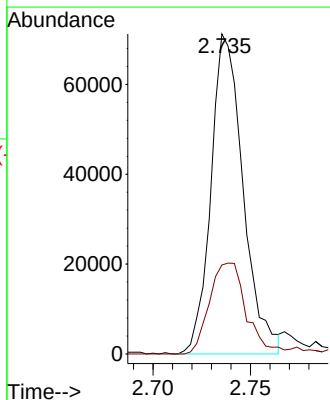
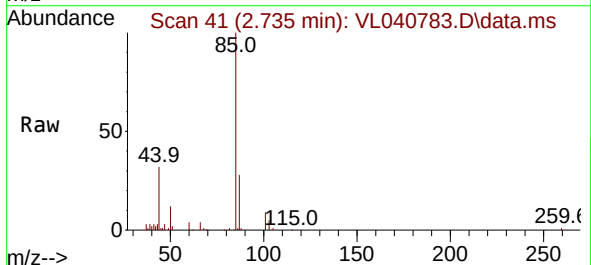
Manual Integrations
APPROVED

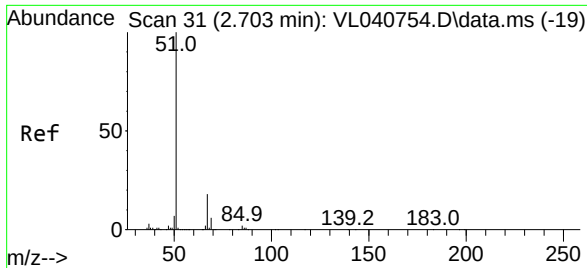
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#2
Dichlorodifluoromethane
Concen: 0.520 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.022 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

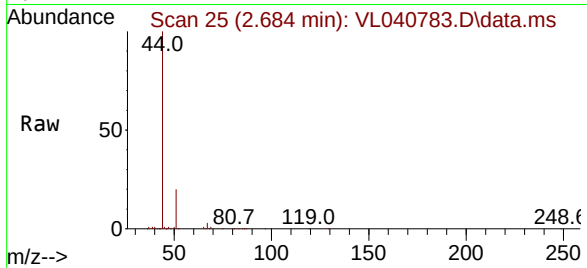
Tgt Ion: 85 Resp: 81720
Ion Ratio Lower Upper
85 100
87 27.8 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.344 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

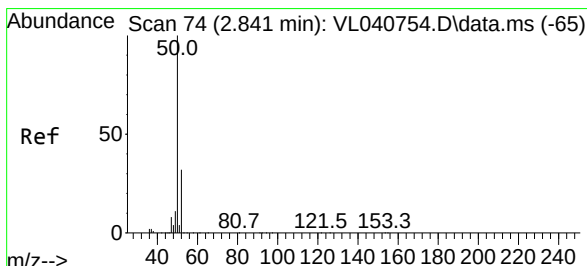
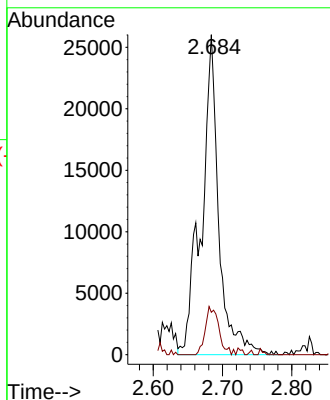
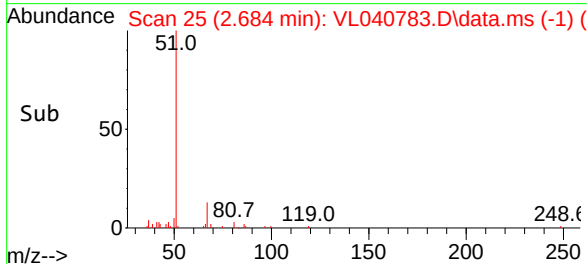
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 51 Resp: 45115
Ion Ratio Lower Upper
51 100
67 11.5 13.8 20.6

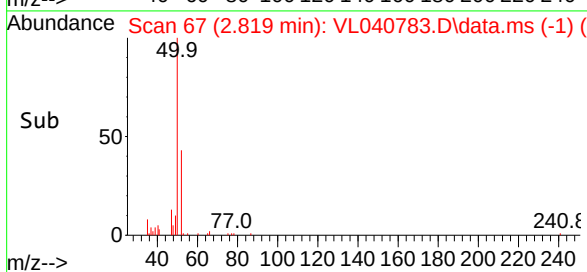
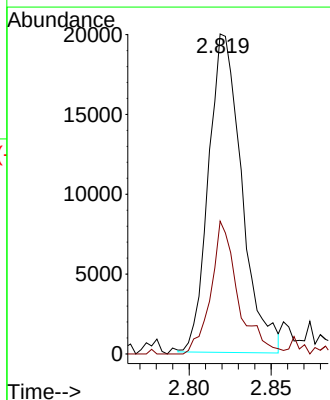
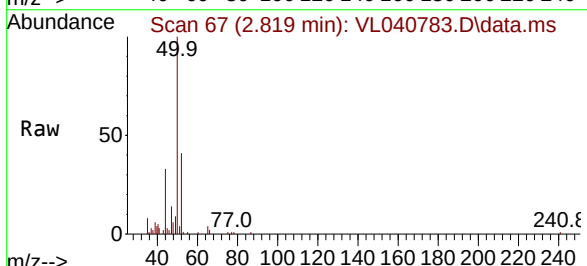
Manual Integrations
APPROVED

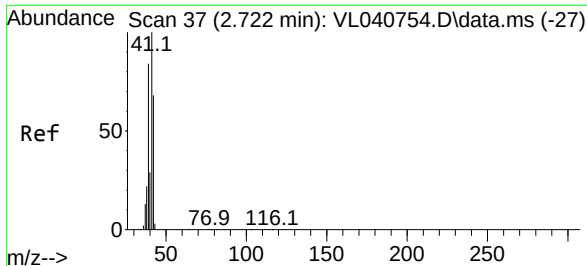
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#4
Chloromethane
Concen: 0.542 ppbv
RT: 2.819 min Scan# 67
Delta R.T. -0.022 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Tgt Ion: 50 Resp: 28099
Ion Ratio Lower Upper
50 100
52 42.0 25.3 37.9





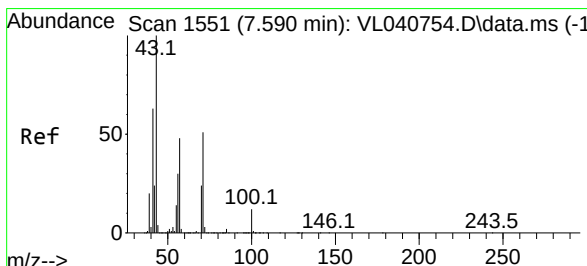
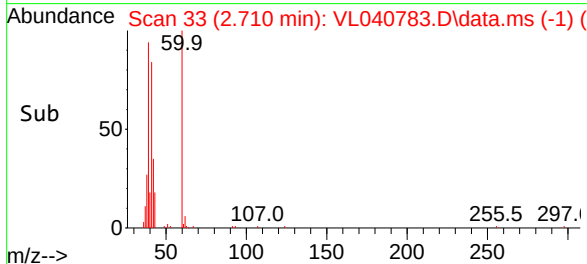
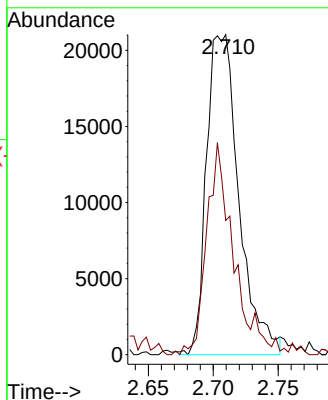
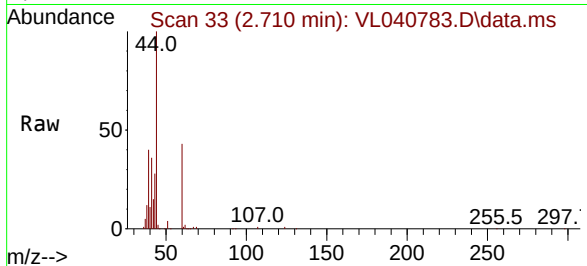
#9
Propene
Concen: 0.751 ppbv m
RT: 2.710 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 36590
Ion Ratio Lower Upper
41 100
42 0.0 57.1 85.7

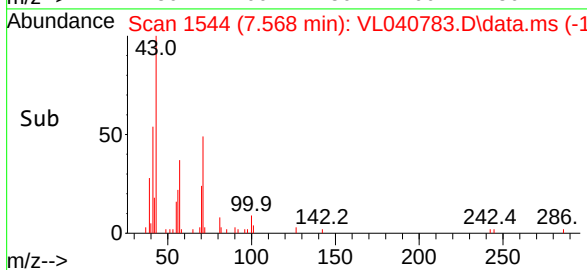
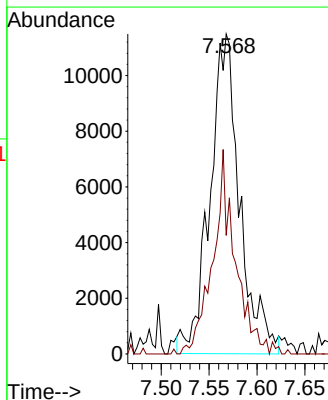
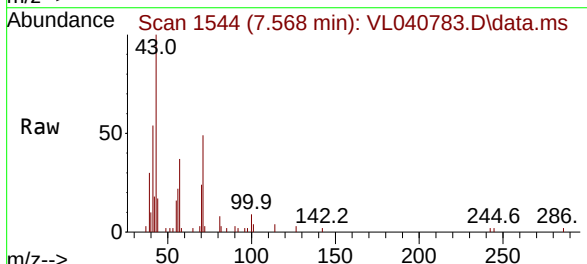
Manual Integrations
APPROVED

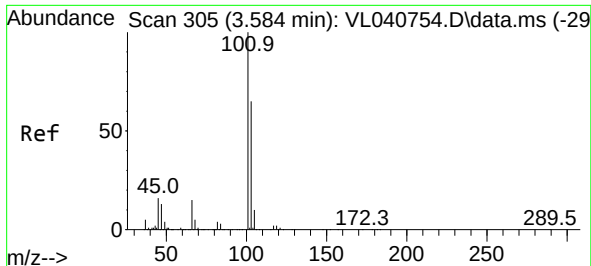
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#10
Heptane
Concen: 0.203 ppbv m
RT: 7.568 min Scan# 1544
Delta R.T. -0.022 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

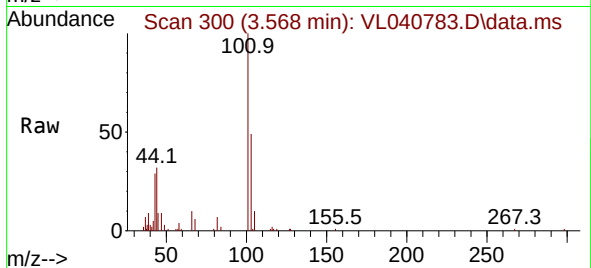
Tgt Ion: 43 Resp: 24831
Ion Ratio Lower Upper
43 100
57 0.0 40.0 60.0





#11
 Trichlorofluoromethane
 Concen: 0.247 ppbv
 RT: 3.568 min Scan# 305
 Delta R.T. -0.016 min
 Lab File: VL040783.D
 Acq: 23 Oct 2023 17:57

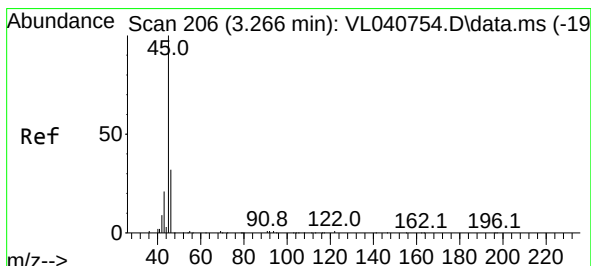
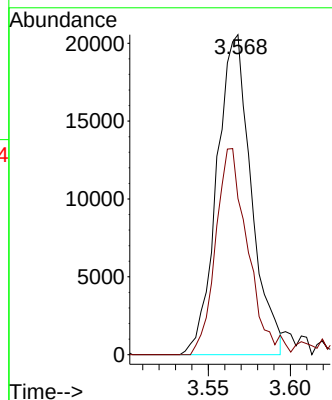
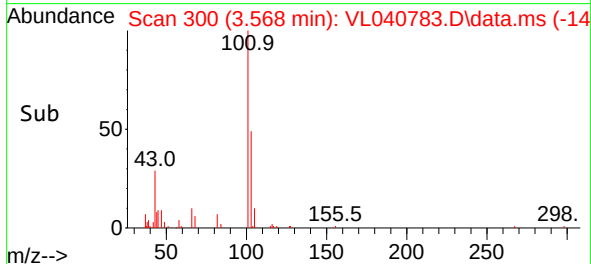
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion:101 Resp: 2996
 Ion Ratio Lower Upper
 101 100
 103 48.8 52.2 78.2

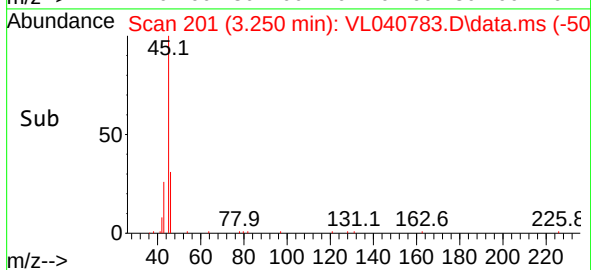
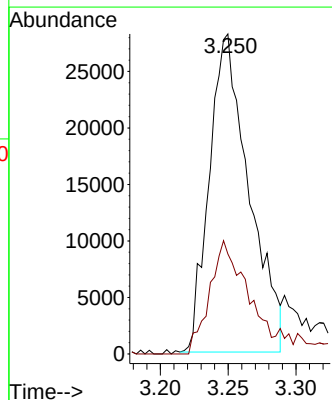
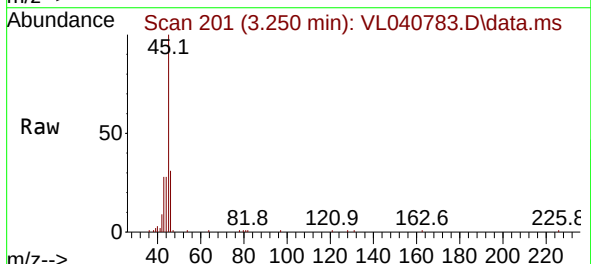
Manual Integrations
 APPROVED

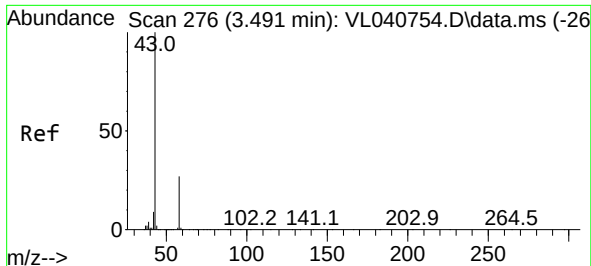
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#13
 Ethanol
 Concen: 5.223 ppbv
 RT: 3.250 min Scan# 201
 Delta R.T. -0.016 min
 Lab File: VL040783.D
 Acq: 23 Oct 2023 17:57

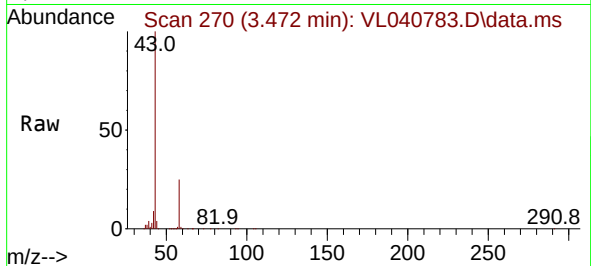
Tgt Ion: 45 Resp: 57465
 Ion Ratio Lower Upper
 45 100
 46 40.6 14.6 58.2





#15
Acetone
Concen: 5.564 ppbv
RT: 3.472 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

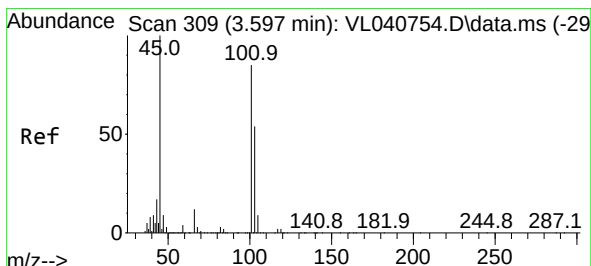
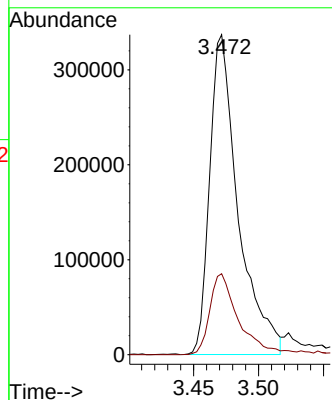
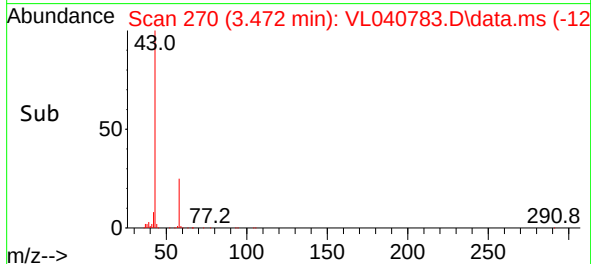
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 51352
Ion Ratio Lower Upper
43 100
58 27.3 21.6 32.4

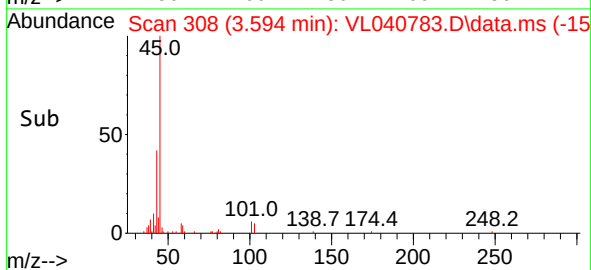
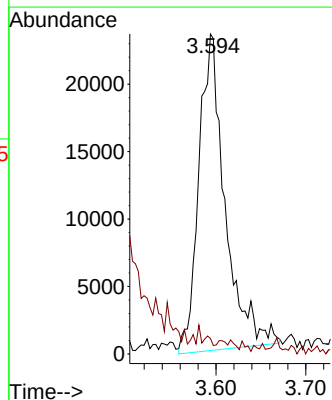
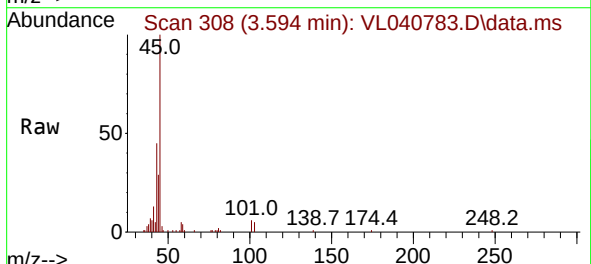
Manual Integrations
APPROVED

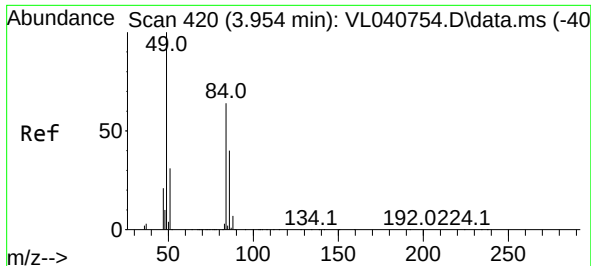
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#19
Isopropyl Alcohol
Concen: 0.803 ppbv m
RT: 3.594 min Scan# 308
Delta R.T. -0.003 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

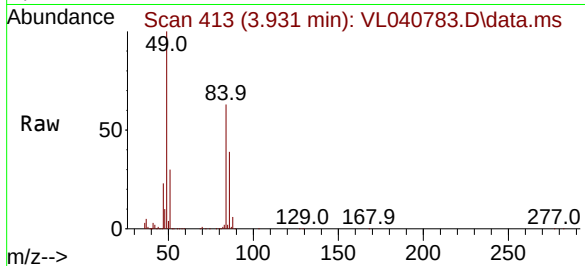
Tgt Ion: 45 Resp: 47740
Ion Ratio Lower Upper
45 100
58 0.0 30.3 45.5#





#20
Methylene Chloride
Concen: 13.643 ppbv
RT: 3.931 min Scan# 413
Delta R.T. -0.022 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

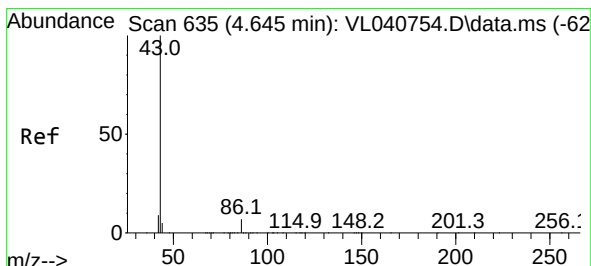
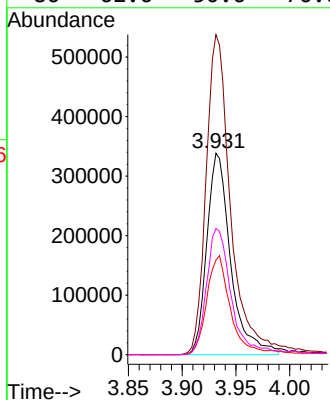
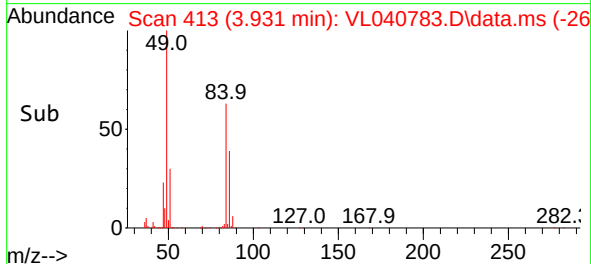
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 524520
Ion Ratio Lower Upper
84 100
49 158.8 125.6 188.4
51 46.9 38.9 58.3
86 62.6 50.6 76.0

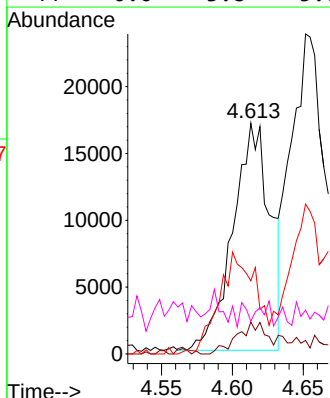
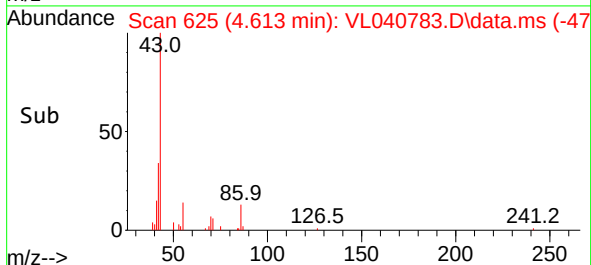
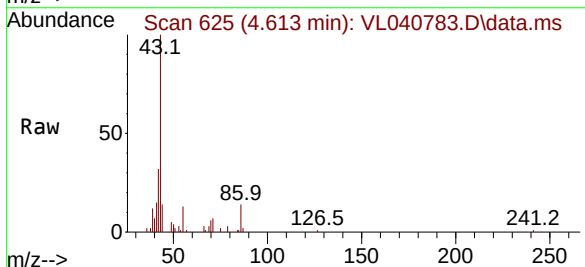
Manual Integrations
APPROVED

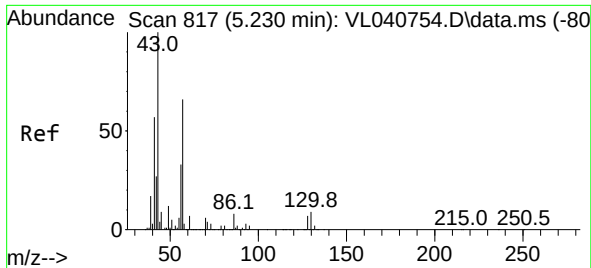
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#23
Vinyl Acetate
Concen: 0.263 ppbv
RT: 4.613 min Scan# 625
Delta R.T. -0.032 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

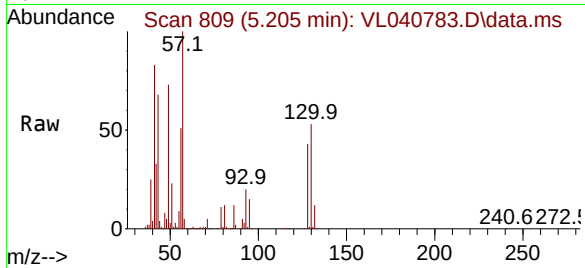
Tgt Ion: 43 Resp: 30970
Ion Ratio Lower Upper
43 100
86 11.8 4.9 7.3#
42 32.2 7.8 11.6#
44 0.0 3.8 5.6#





#26
Hexane
Concen: 3.333 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.026 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

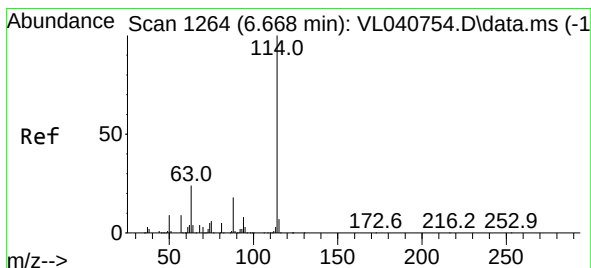
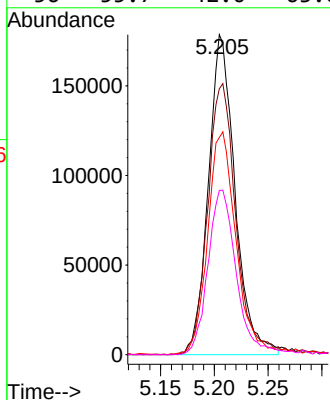
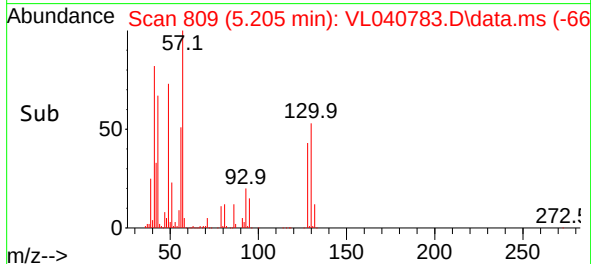
Instrument :
MSVOA_L
ClientSampleId :
OA1



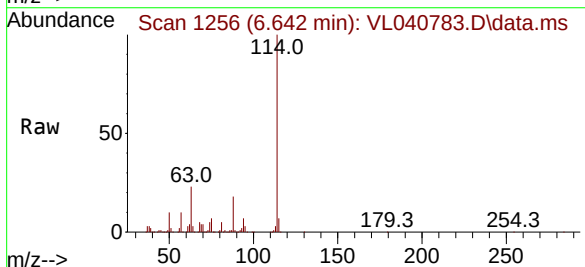
Tgt Ion: 57 Resp: 30805
Ion Ratio Lower Upper
57 100
41 91.7 71.4 107.2
43 75.5 182.3 273.5
56 55.7 42.0 63.0

Manual Integrations
APPROVED

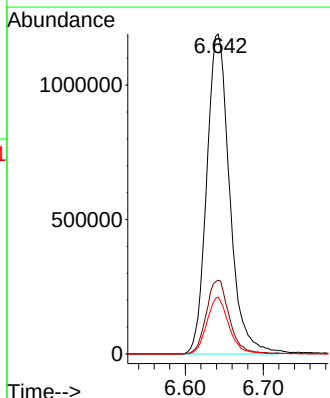
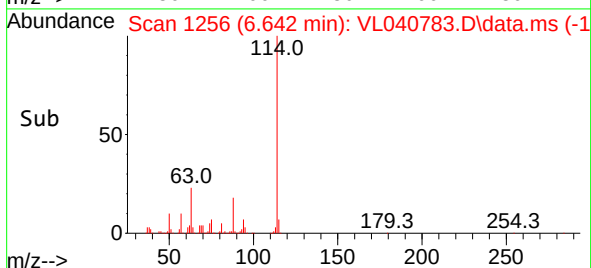
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

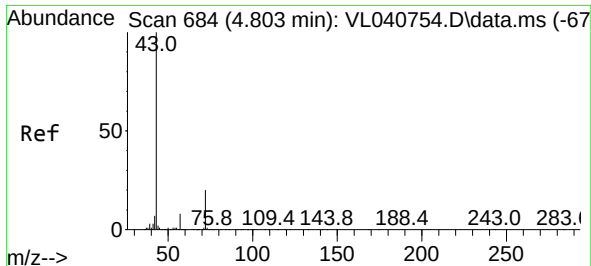


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.026 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57



Tgt Ion:114 Resp: 2433763
Ion Ratio Lower Upper
114 100
63 23.3 19.8 29.6
88 17.1 14.2 21.2





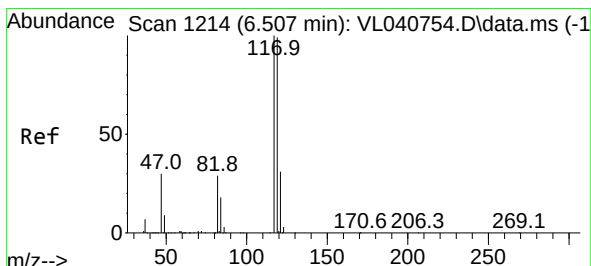
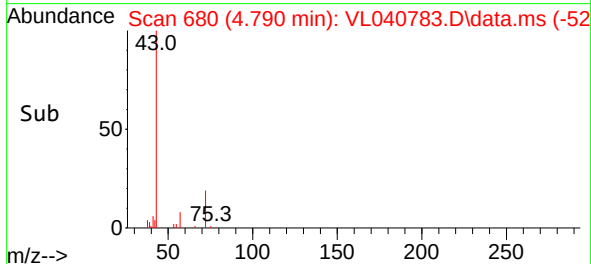
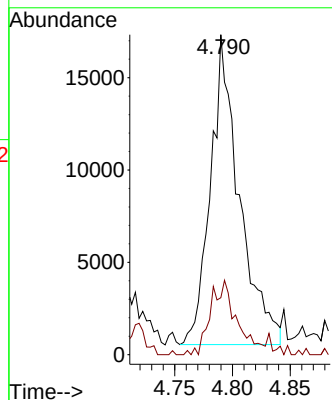
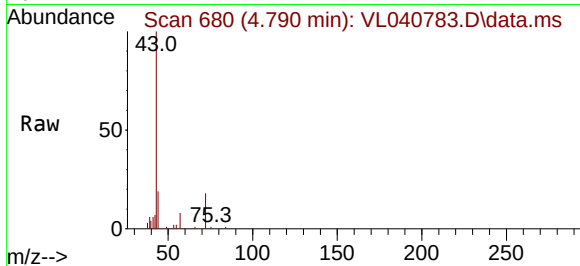
#34
2-Butanone
Concen: 0.264 ppbv
RT: 4.790 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 29100
Ion Ratio Lower Upper
43 100
72 23.4 16.8 25.2

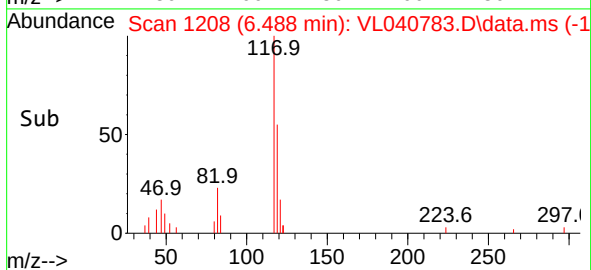
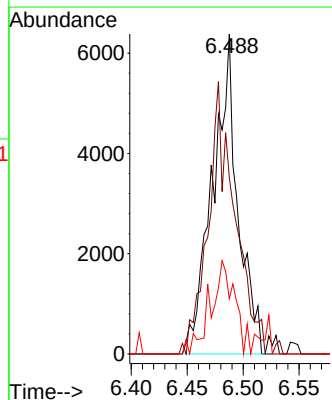
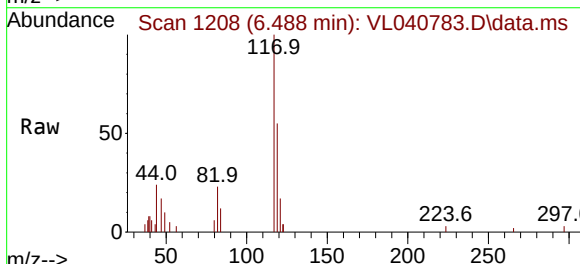
Manual Integrations
APPROVED

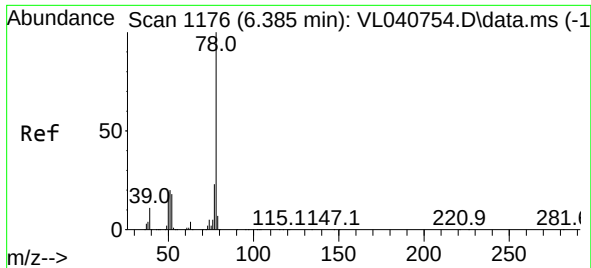
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.488 min Scan# 1208
Delta R.T. -0.019 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

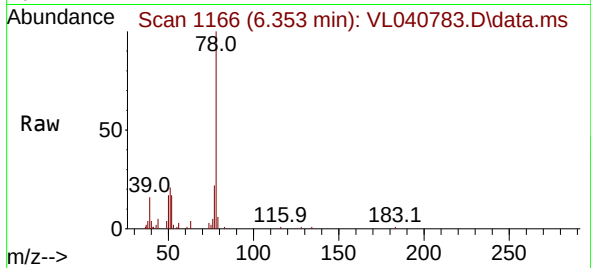
Tgt Ion:117 Resp: 10210
Ion Ratio Lower Upper
117 100
119 55.1 79.4 119.0#
121 17.2 25.0 37.4#





#36
Benzene
Concen: 0.244 ppbv m
RT: 6.353 min Scan# 1166
Delta R.T. -0.032 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

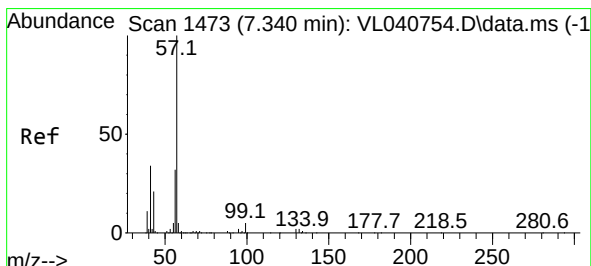
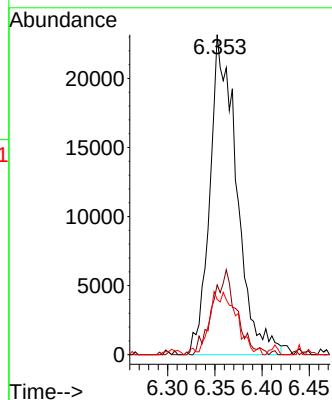
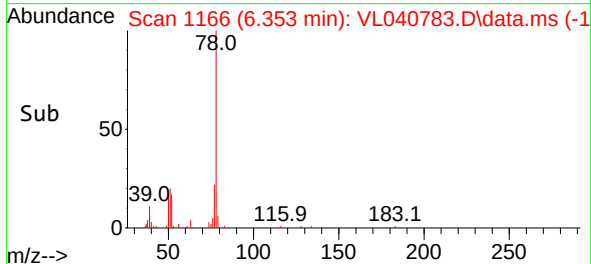
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 78 Resp: 45724
Ion Ratio Lower Upper
78 100
77 21.8 18.4 27.6
50 17.2 15.0 22.4

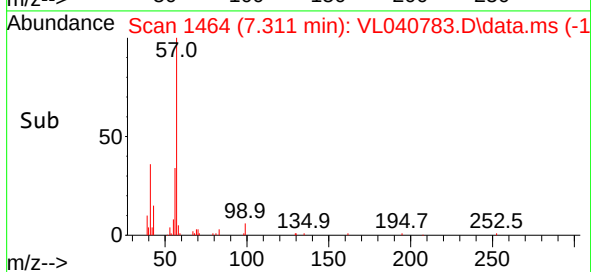
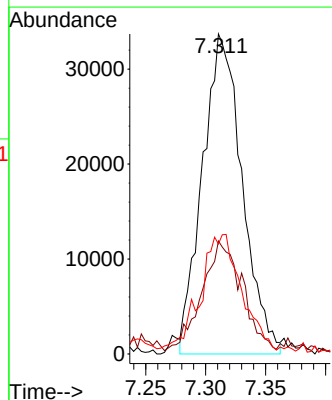
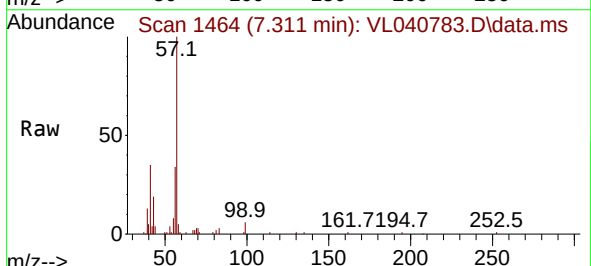
Manual Integrations
APPROVED

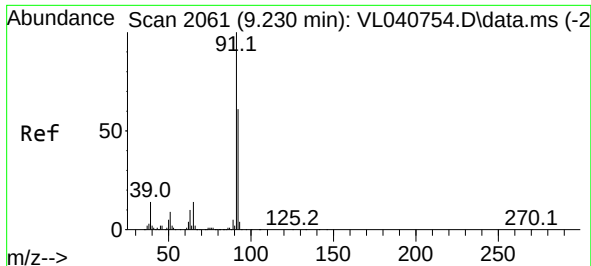
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#44
2,2,4-Trimethylpentane
Concen: 0.246 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. -0.029 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Tgt Ion: 57 Resp: 77739
Ion Ratio Lower Upper
57 100
41 40.0 27.4 41.0
56 40.9 25.0 37.6#





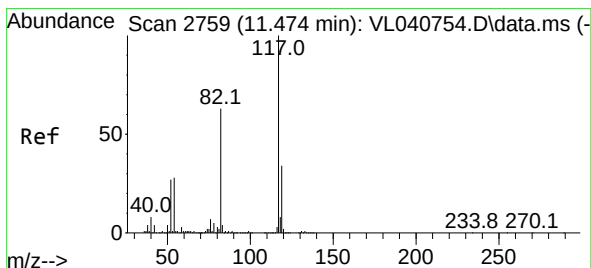
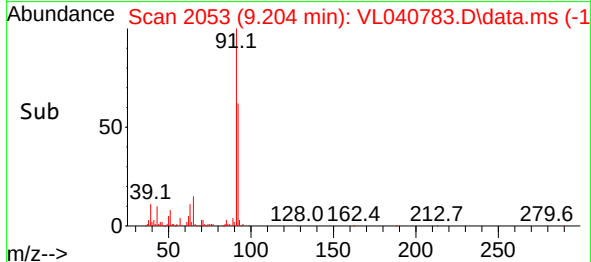
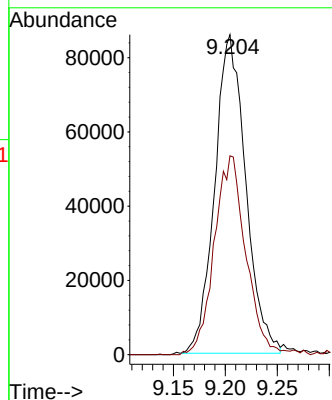
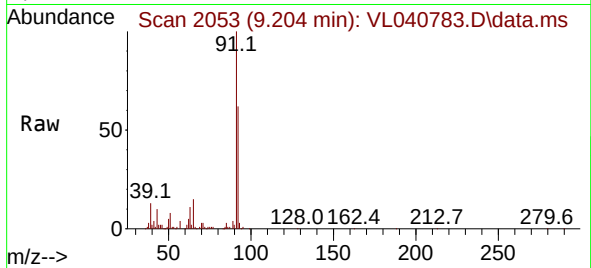
#53
Toluene
Concen: 0.798 ppbv
RT: 9.204 min Scan# 2061
Delta R.T. -0.026 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 177779
Ion Ratio Lower Upper
91 100
92 64.2 50.2 75.2

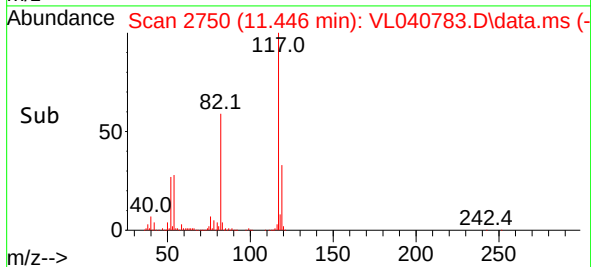
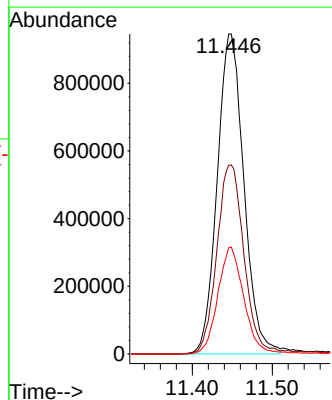
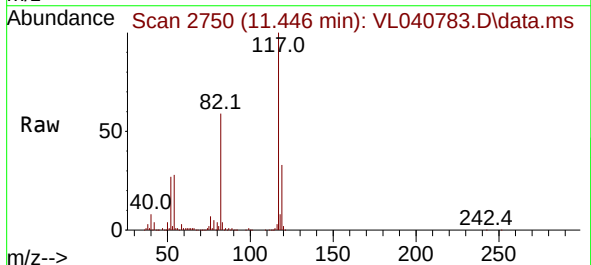
Manual Integrations
APPROVED

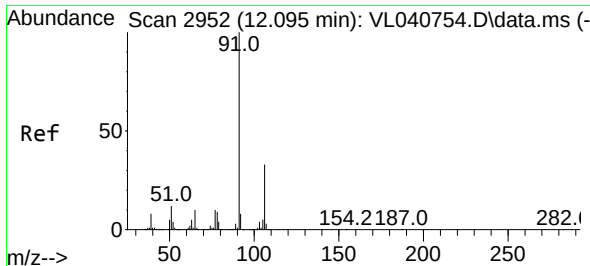
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 2750
Delta R.T. -0.029 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Tgt Ion:117 Resp: 2187535
Ion Ratio Lower Upper
117 100
82 61.4 46.6 70.0
119 33.0 26.0 39.0





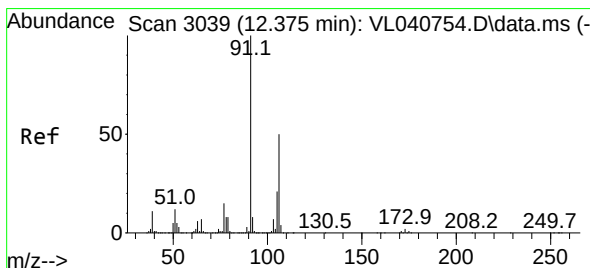
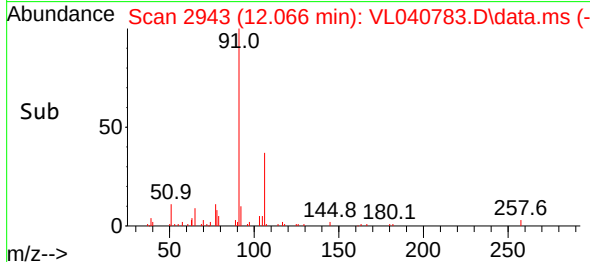
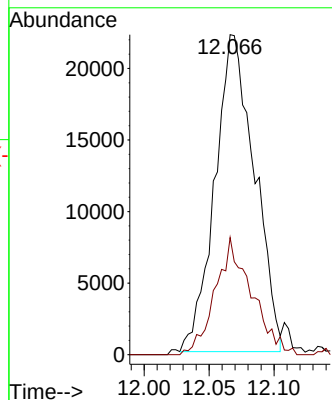
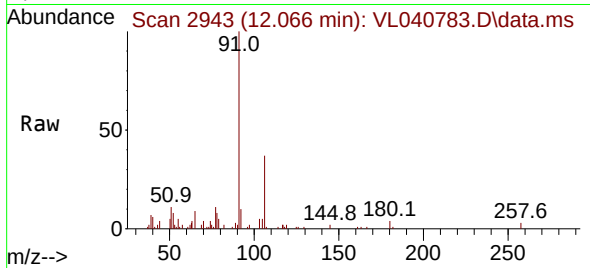
#58
Ethyl Benzene
Concen: 0.171 ppbv
RT: 12.066 min Scan# 2952
Delta R.T. -0.029 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 47028
Ion Ratio Lower Upper
91 100
106 37.0 26.7 40.1

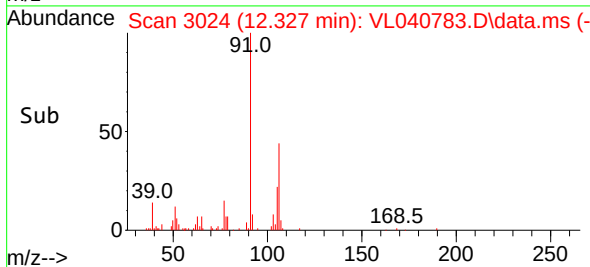
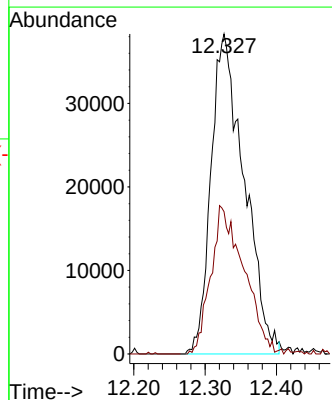
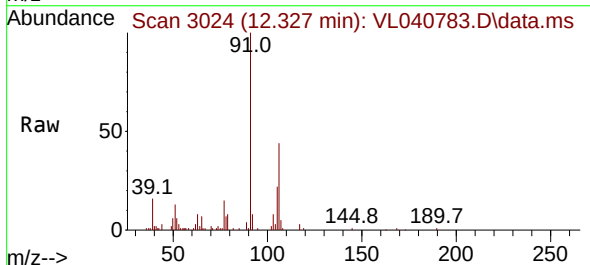
Manual Integrations
APPROVED

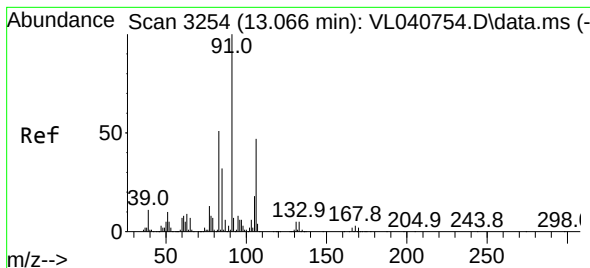
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#59
m/p-Xylene
Concen: 0.545 ppbv m
RT: 12.327 min Scan# 3024
Delta R.T. -0.048 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Tgt Ion: 91 Resp: 123440
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5#





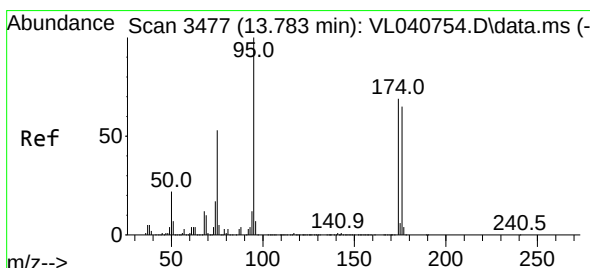
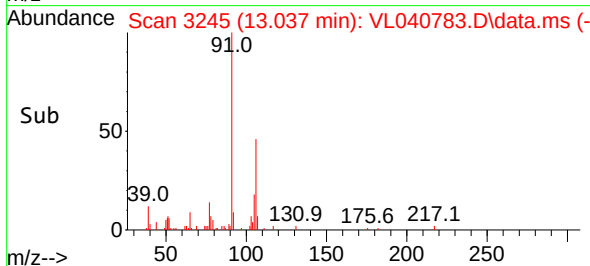
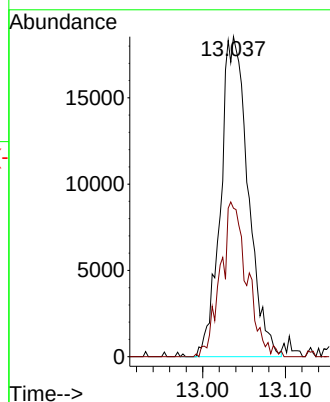
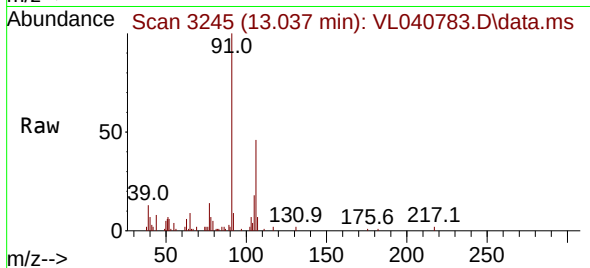
#60
o-Xylene
Concen: 0.199 ppbv m
RT: 13.037 min Scan# 31
Delta R.T. -0.029 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 4296
Ion Ratio Lower Upper
91 100
106 0.0 23.5 70.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.365 ppbv
RT: 13.754 min Scan# 3468
Delta R.T. -0.029 min
Lab File: VL040783.D
Acq: 23 Oct 2023 17:57

Tgt Ion: 95 Resp: 1668371
Ion Ratio Lower Upper
95 100
174 66.2 54.7 82.1
175 4.9 4.2 6.4

