

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040740.D
 Acq On : 4 Oct 2023 14:31
 Operator : SY/MD
 Sample : 04716-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 04:27:09 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1104013	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3182429	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.455	117	2685066	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1997135	9.627	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	2.681	51	31968	0.178	ppbv	92
9) Propene	2.706	41	38674	0.746	ppbv	85
15) Acetone	3.485	43	189101	1.299	ppbv	96
20) Methylene Chloride	3.935	84	133140	1.699	ppbv	90
26) Hexane	5.205	57	76495	0.689	ppbv #	42
27) Carbon Disulfide	4.124	76	86374	0.558	ppbv	98
29) Chloroform	5.272	83	389450	2.031	ppbv	96
32) 1,1,1-Trichloroethane	5.999	97	49727	0.254	ppbv	94
35) Carbon Tetrachloride	6.488	117	213501	0.977	ppbv	98
38) Trichloroethene	7.285	130	452317	5.033	ppbv	98
52) Tetrachloroethene	10.610	164	113434m	1.476	ppbv	
53) Toluene	9.208	91	54194m	0.218	ppbv	
59) m/p-Xylene	12.330	91	82822m	0.288	ppbv	
60) o-Xylene	13.050	91	38747m	0.141	ppbv	

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

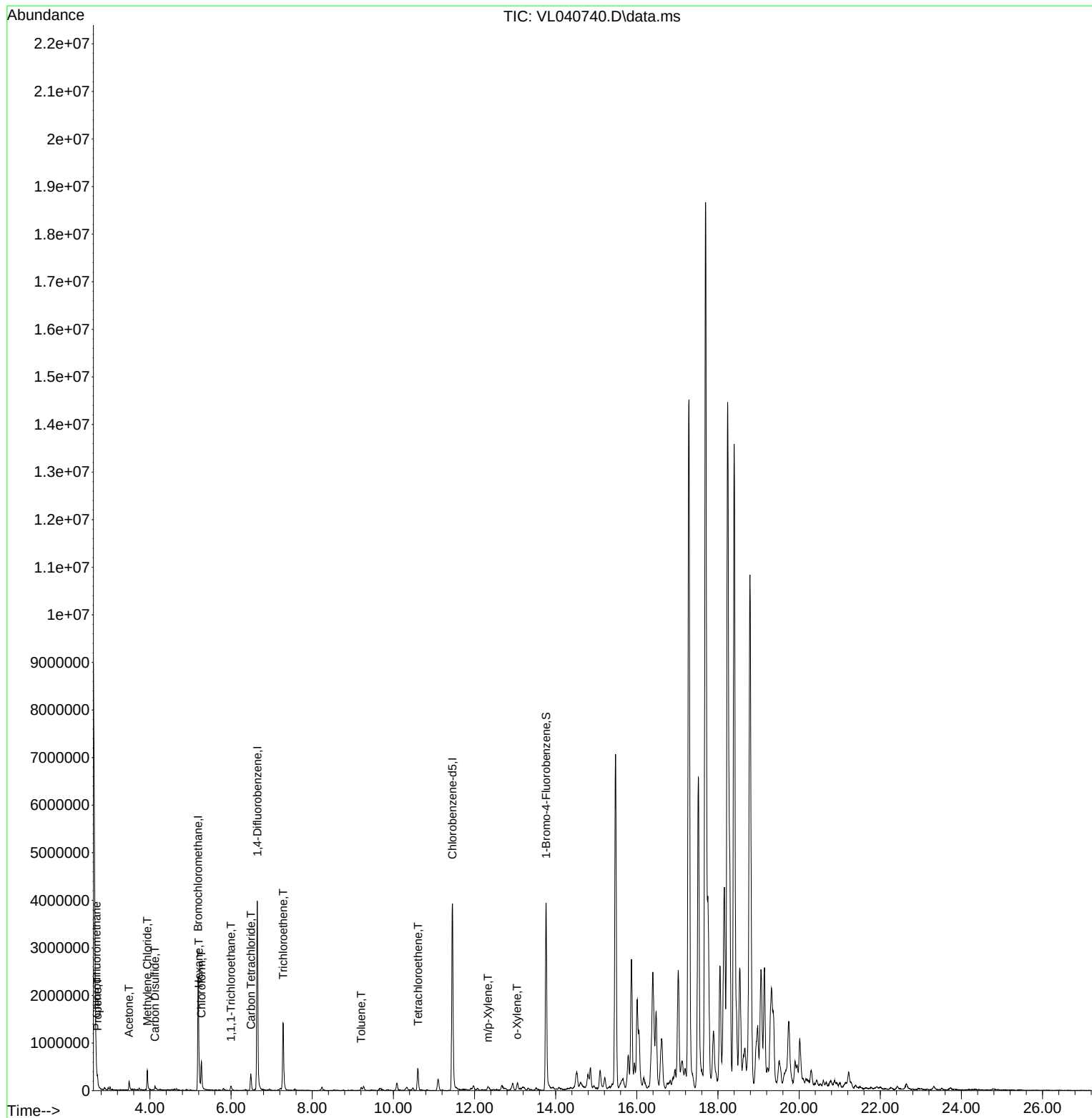
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
Data File : VL040740.D
Acq On : 4 Oct 2023 14:31
Operator : SY/MD
Sample : 04716-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

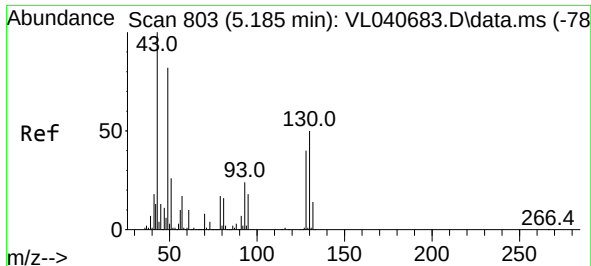
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Oct 05 04:27:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

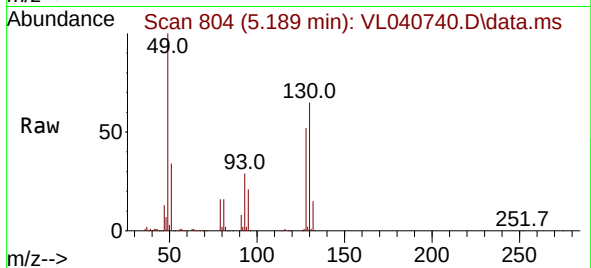
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.009 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

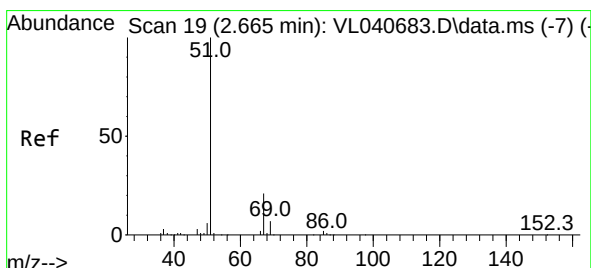
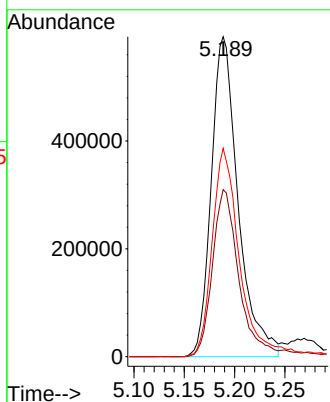
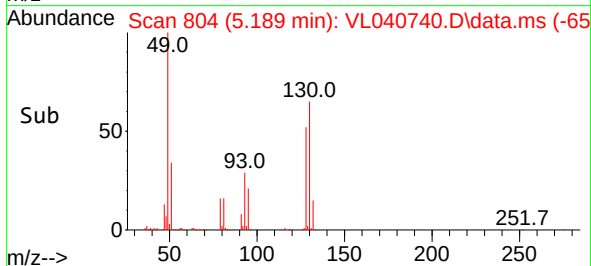
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 110401
Ion Ratio Lower Upper
49 100
128 54.5 25.4 76.0
130 68.9 32.3 96.8

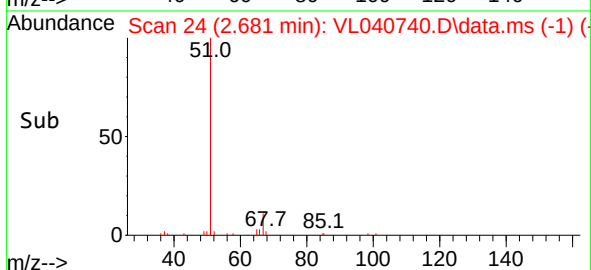
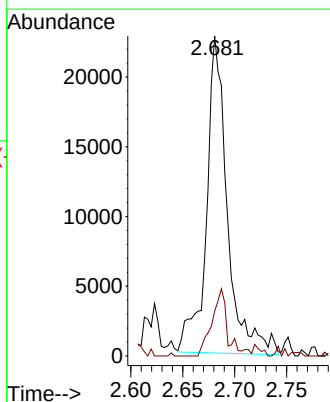
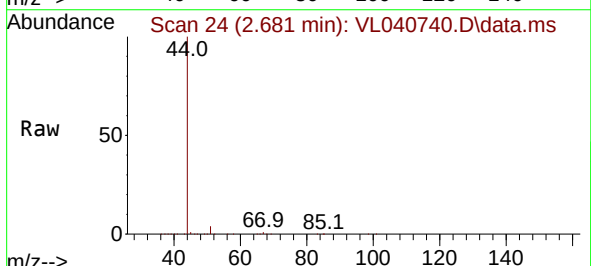
Manual Integrations
APPROVED

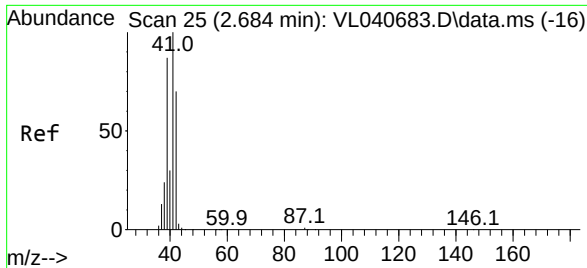
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#3
Chlorodifluoromethane
Concen: 0.178 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

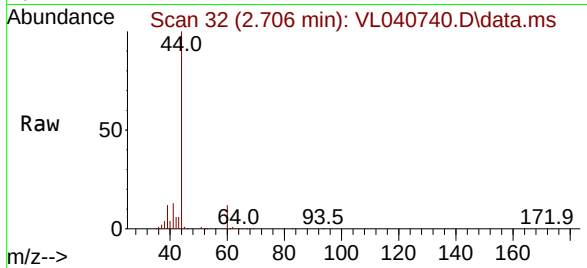
Tgt Ion: 51 Resp: 31968
Ion Ratio Lower Upper
51 100
67 17.0 16.7 25.1





#9
 Propene
 Concen: 0.746 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VL040740.D
 Acq: 4 Oct 2023 14:31

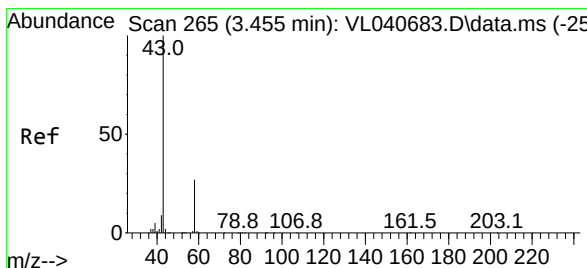
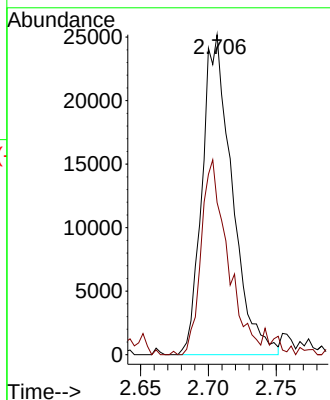
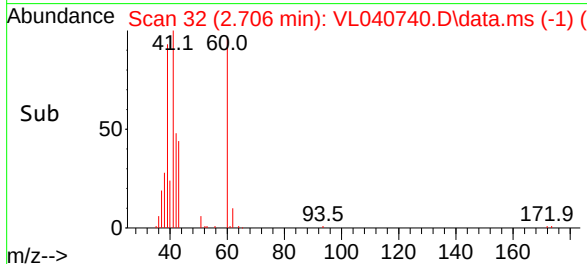
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 41 Resp: 38674
 Ion Ratio Lower Upper
 41 100
 42 58.7 56.7 85.1

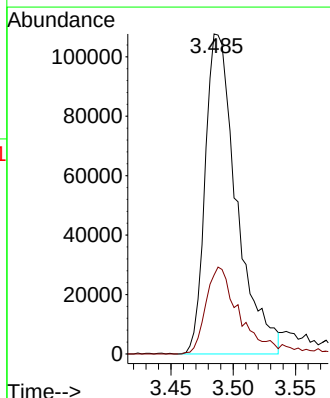
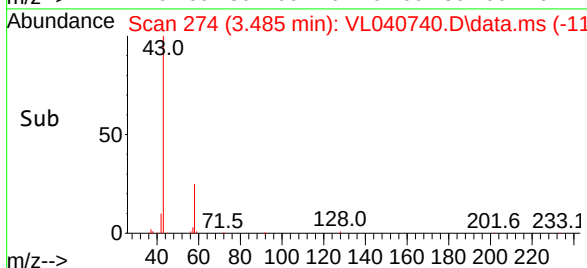
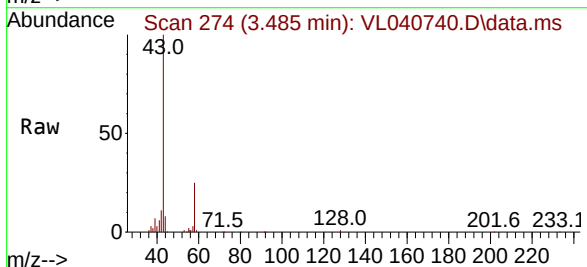
Manual Integrations
 APPROVED

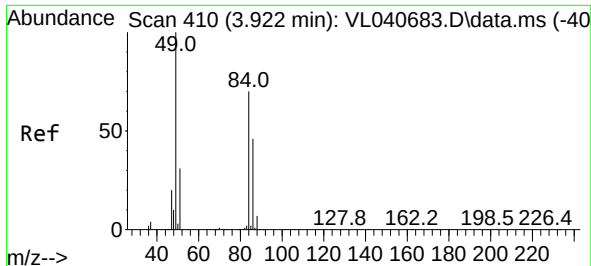
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#15
 Acetone
 Concen: 1.299 ppbv
 RT: 3.485 min Scan# 274
 Delta R.T. 0.013 min
 Lab File: VL040740.D
 Acq: 4 Oct 2023 14:31

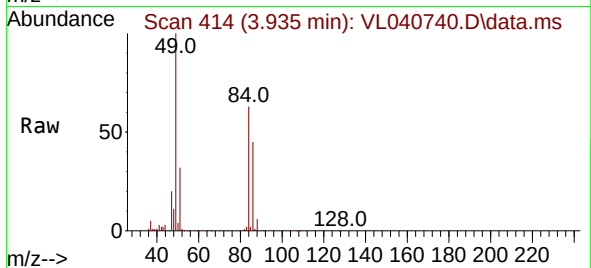
Tgt Ion: 43 Resp: 189101
 Ion Ratio Lower Upper
 43 100
 58 30.5 22.6 34.0





#20
Methylene Chloride
Concen: 1.699 ppbv
RT: 3.935 min Scan# 410
Delta R.T. -0.003 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

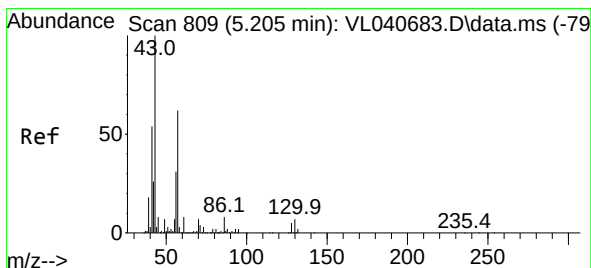
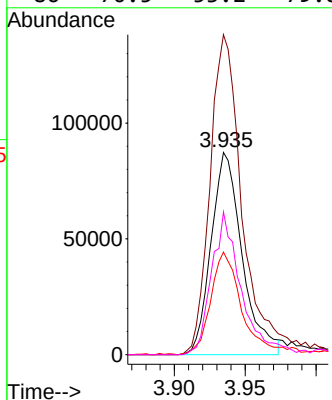
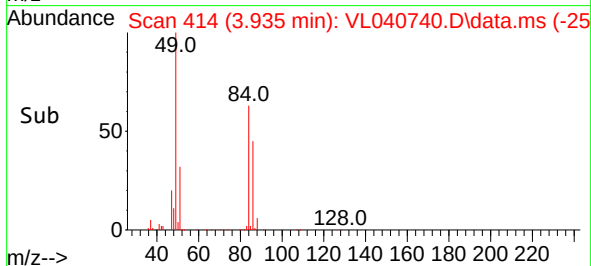
Instrument :
MSVOA_L
ClientSampleId :
SV2



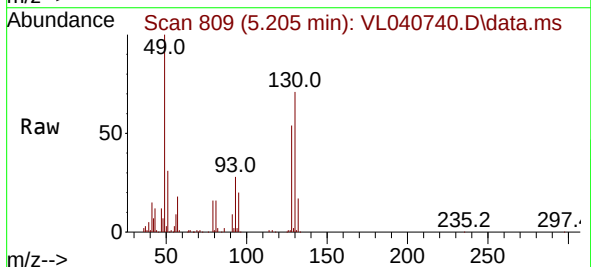
Tgt Ion: 84 Resp: 133140
Ion Ratio Lower Upper
84 100
49 158.0 114.4 171.6
51 50.7 35.5 53.3
86 70.5 53.2 79.8

Manual Integrations
APPROVED

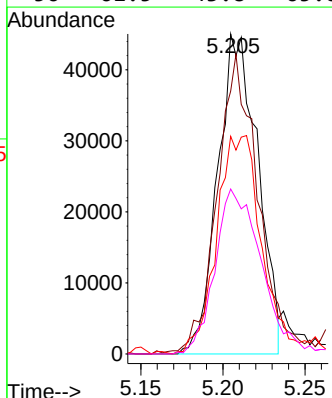
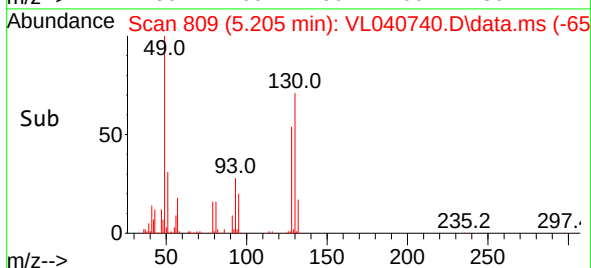
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

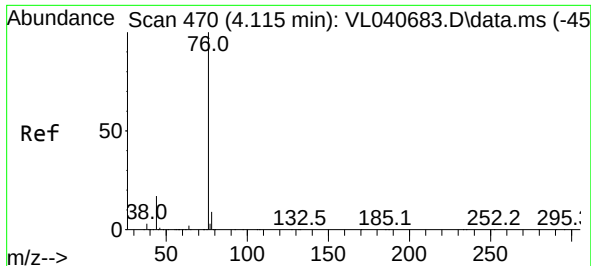


#26
Hexane
Concen: 0.689 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.016 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31



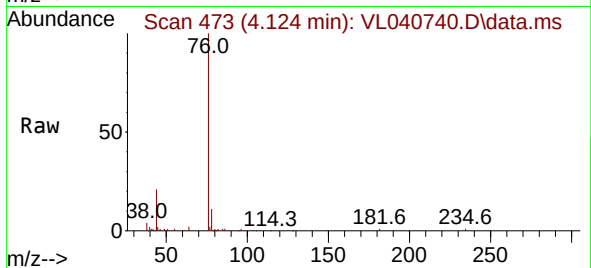
Tgt Ion: 57 Resp: 76495
Ion Ratio Lower Upper
57 100
41 95.6 75.2 112.8
43 77.9 185.6 278.4#
56 61.5 43.8 65.8





#27
Carbon Disulfide
Concen: 0.558 ppbv
RT: 4.124 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

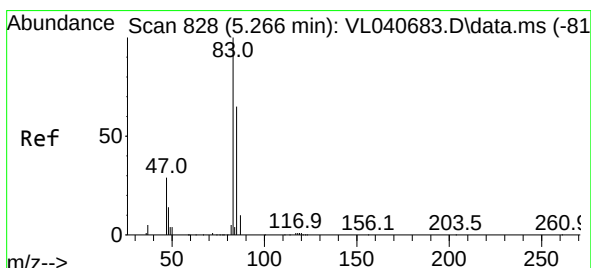
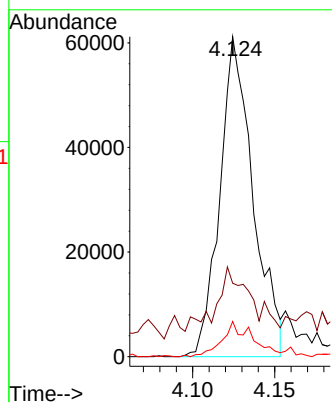
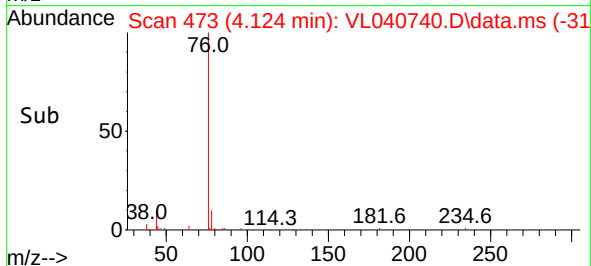
Instrument :
MSVOA_L
ClientSampleId :
SV2



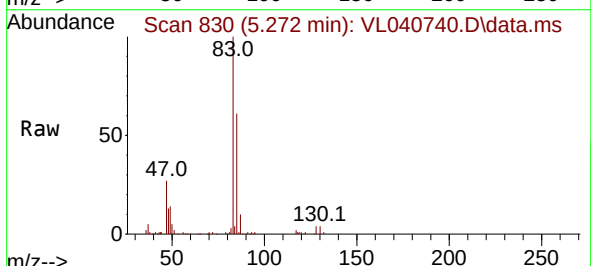
Tgt Ion: 76 Resp: 86374
Ion Ratio Lower Upper
76 100
44 17.9 14.5 21.7
78 11.0 7.7 11.5

Manual Integrations
APPROVED

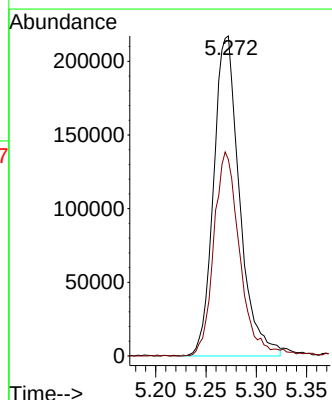
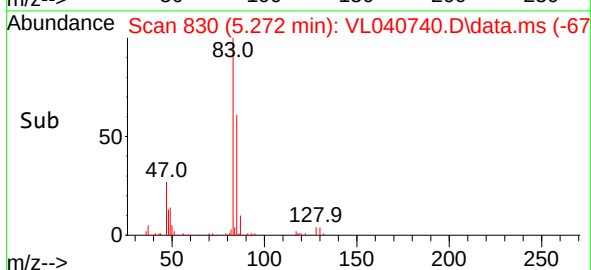
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

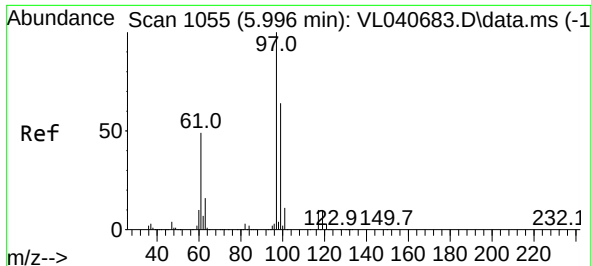


#29
Chloroform
Concen: 2.031 ppbv
RT: 5.272 min Scan# 830
Delta R.T. -0.010 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31



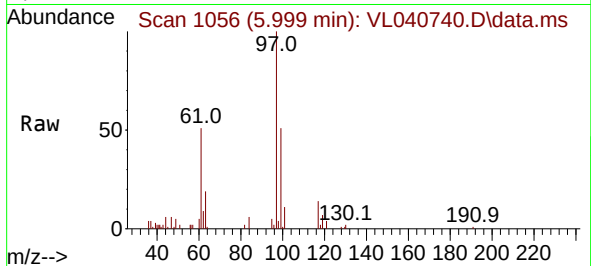
Tgt Ion: 83 Resp: 389450
Ion Ratio Lower Upper
83 100
85 61.4 51.8 77.8





#32
1,1,1-Trichloroethane
Concen: 0.254 ppbv
RT: 5.999 min Scan# 1056
Delta R.T. -0.013 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

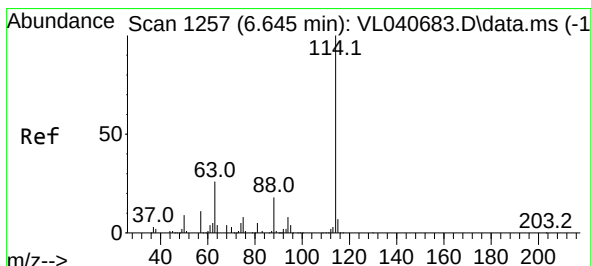
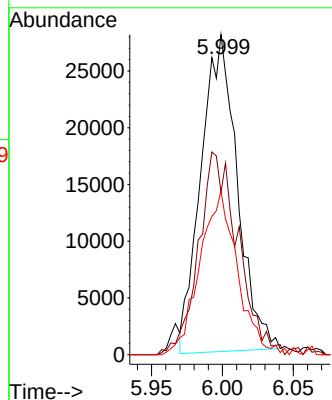
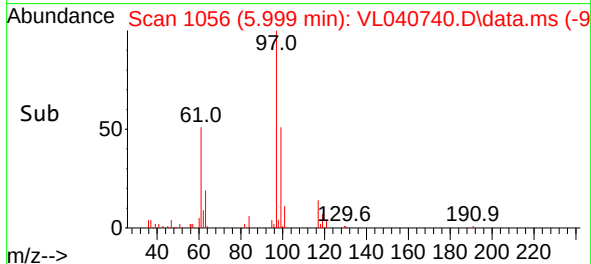
Instrument :
MSVOA_L
Client Sample Id :
SV2



Tgt Ion: 97 Resp: 4972
Ion Ratio Lower Upper
97 100
99 70.6 52.4 78.6
61 53.3 40.2 60.4

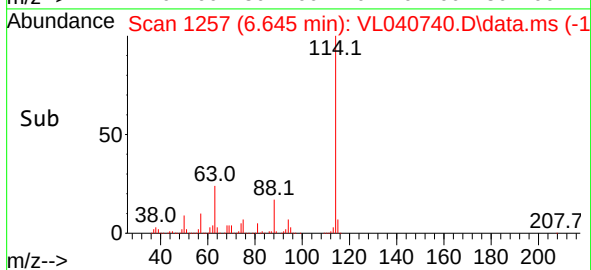
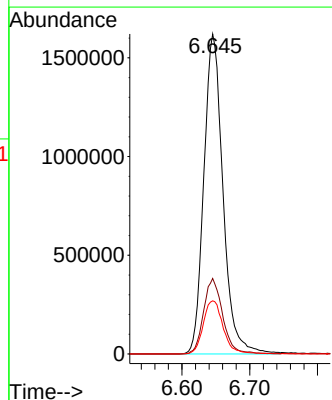
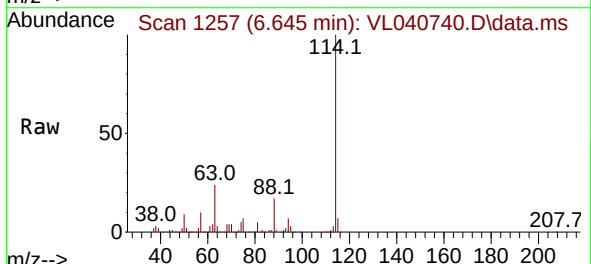
Manual Integrations
APPROVED

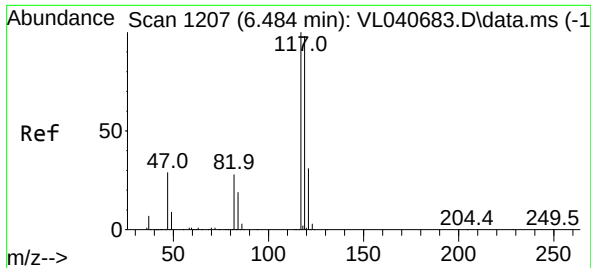
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

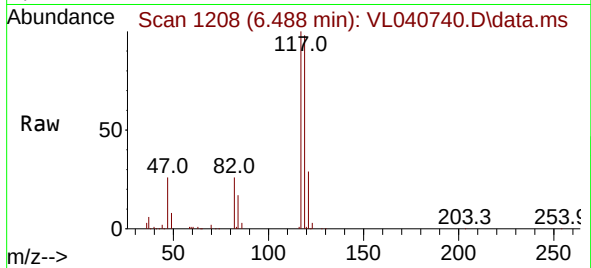
Tgt Ion:114 Resp: 3182429
Ion Ratio Lower Upper
114 100
63 23.8 21.1 31.7
88 17.4 14.5 21.7





#35
Carbon Tetrachloride
Concen: 0.977 ppbv
RT: 6.488 min Scan# 117
Delta R.T. -0.016 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

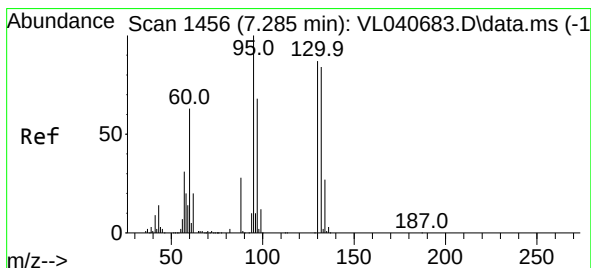
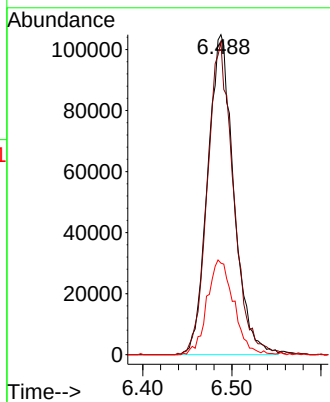
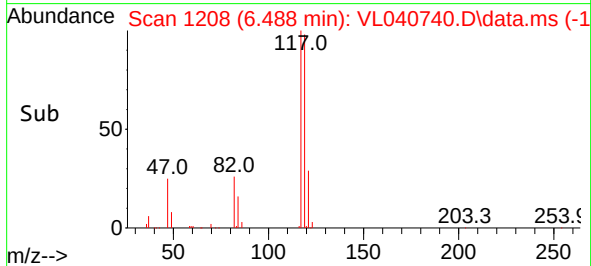
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:117 Resp: 21350
Ion Ratio Lower Upper
117 100
119 97.2 78.6 117.8
121 28.6 24.7 37.1

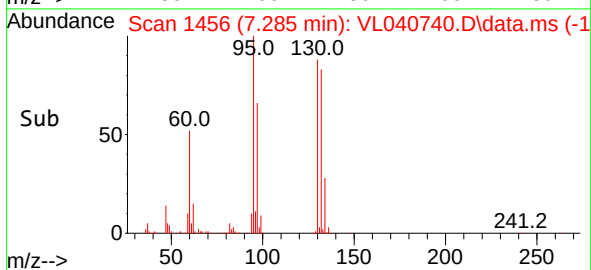
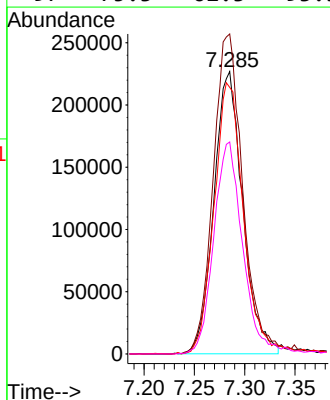
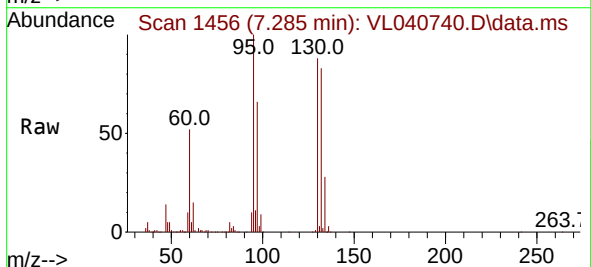
Manual Integrations
APPROVED

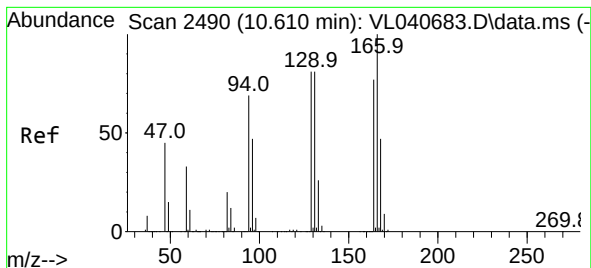
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#38
Trichloroethene
Concen: 5.033 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. -0.016 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

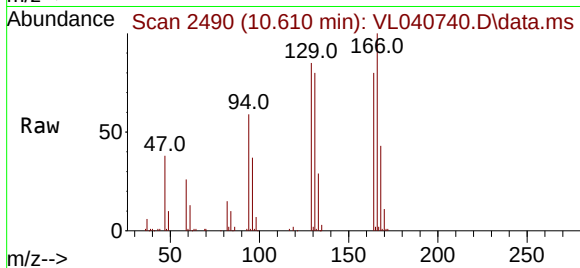
Tgt Ion:130 Resp: 452317
Ion Ratio Lower Upper
130 100
95 113.4 91.9 137.9
132 94.2 77.3 115.9
97 75.3 62.3 93.5





#52
Tetrachloroethene
Concen: 1.476 ppbv m
RT: 10.610 min Scan# 2490
Delta R.T. -0.016 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

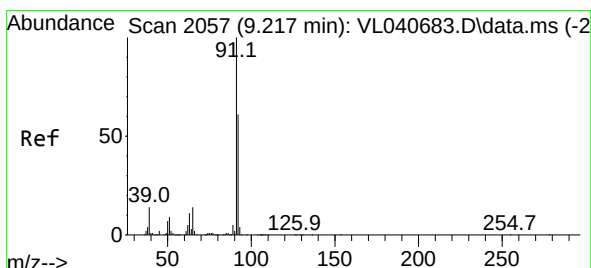
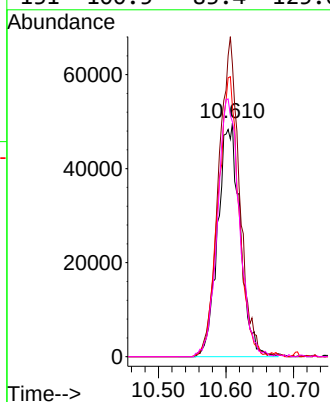
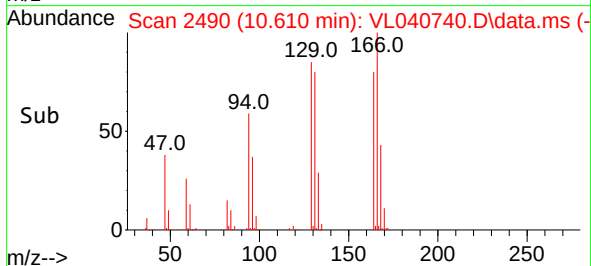
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:164 Resp: 113434
Ion Ratio Lower Upper
164 100
166 125.0 103.4 155.2
129 106.8 83.5 125.3
131 100.5 83.4 125.0

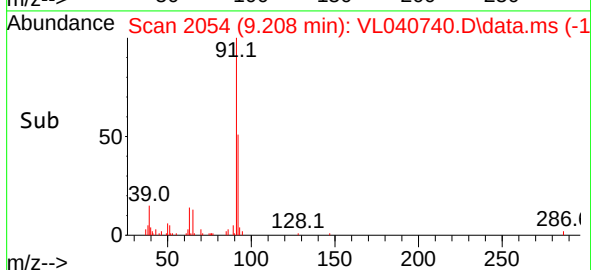
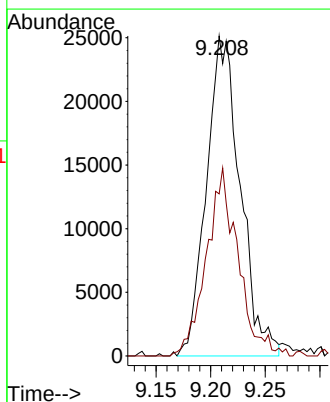
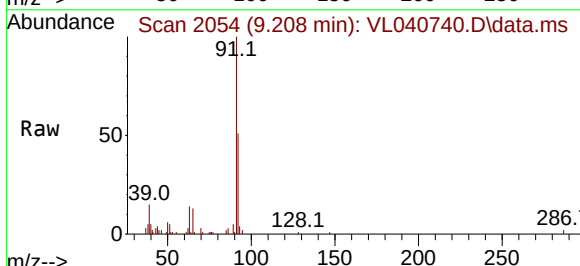
Manual Integrations
APPROVED

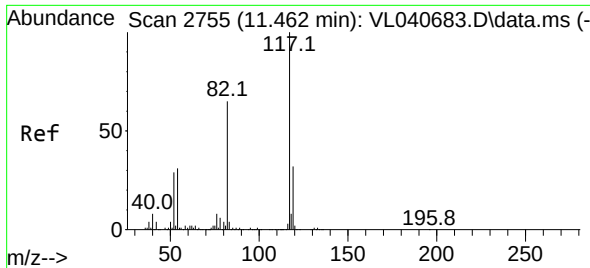
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#53
Toluene
Concen: 0.218 ppbv m
RT: 9.208 min Scan# 2054
Delta R.T. -0.022 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

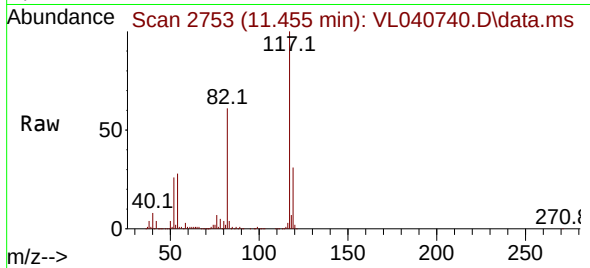
Tgt Ion: 91 Resp: 54194
Ion Ratio Lower Upper
91 100
92 0.0 48.5 72.7#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.022 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

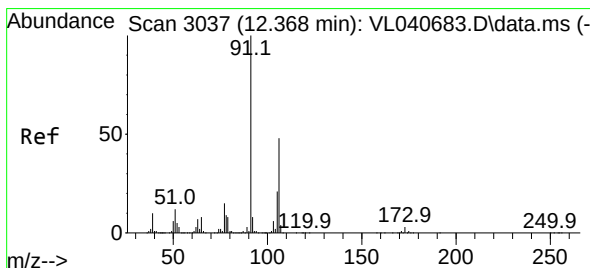
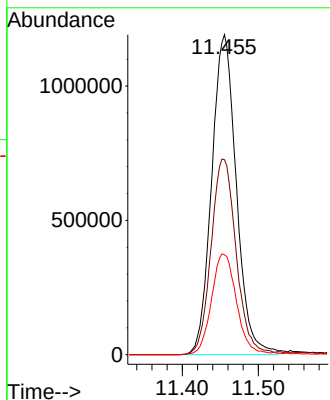
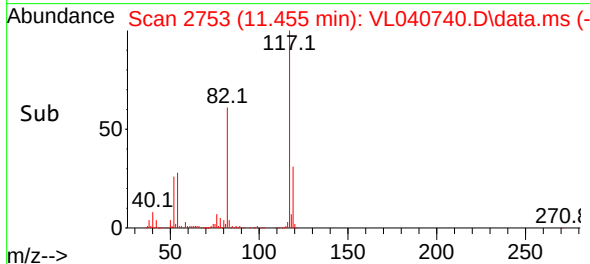
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:117 Resp: 268506
Ion Ratio Lower Upper
117 100
82 63.8 51.4 77.0
119 32.4 24.7 37.1

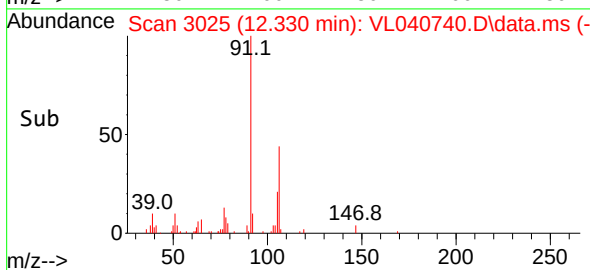
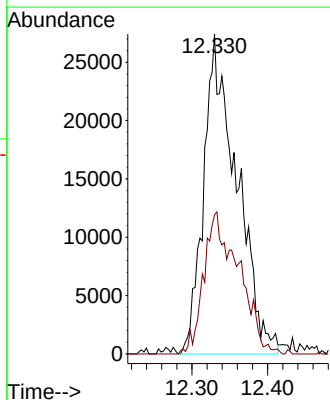
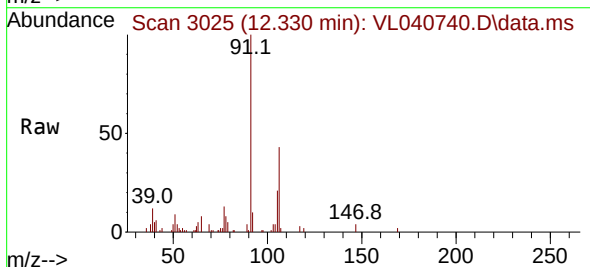
Manual Integrations
APPROVED

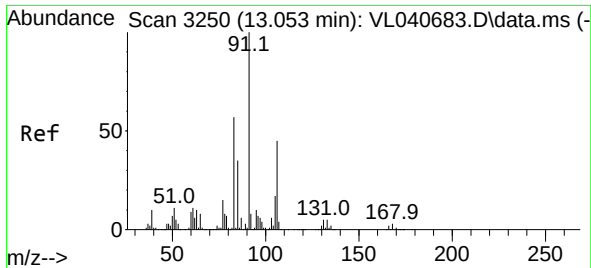
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#59
m/p-Xylene
Concen: 0.288 ppbv m
RT: 12.330 min Scan# 3025
Delta R.T. -0.051 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

Tgt Ion: 91 Resp: 82822
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2#





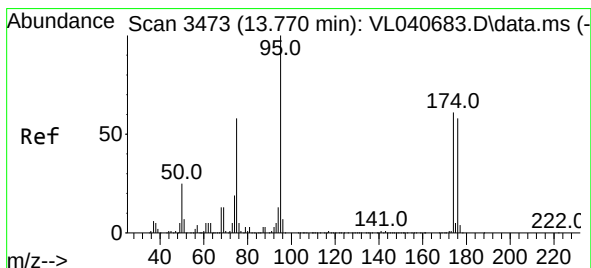
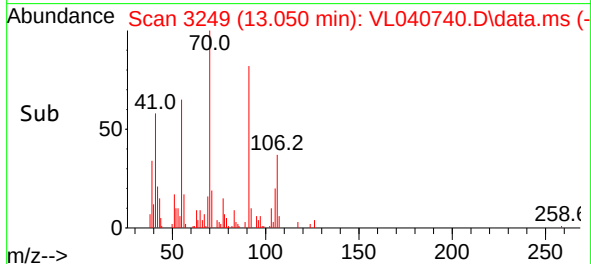
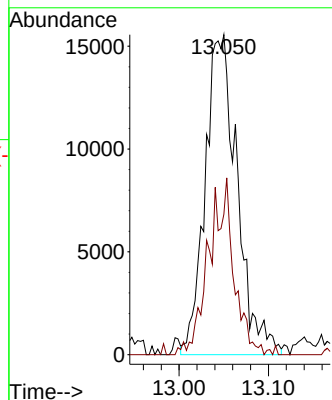
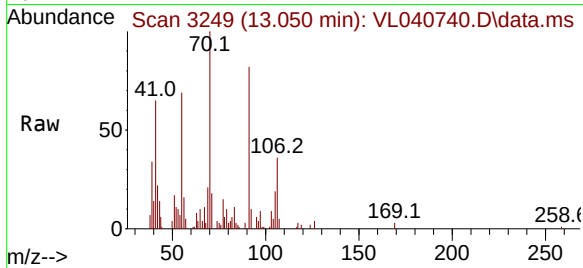
#60
o-Xylene
Concen: 0.141 ppbv m
RT: 13.050 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 3874
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.627 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.022 min
Lab File: VL040740.D
Acq: 4 Oct 2023 14:31

Tgt Ion: 95 Resp: 1997135
Ion Ratio Lower Upper
95 100
174 65.6 48.9 73.3
175 4.5 3.5 5.3

