

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039804.D
 Acq On : 26 Oct 2022 2:02
 Operator : SY/AP
 Sample : N5227-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 K

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 26 08:36:38 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

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

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	832037	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2166335	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1904361	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1356054	10.010	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%
Target Compounds						Qvalue
4) Chloromethane	2.835	50	64450	1.030	ppbv	98
9) Propene	2.716	41	82068	1.911	ppbv	95
10) Heptane	7.587	43	16897m	0.164	ppbv	
11) Trichlorofluoromethane	3.584	101	30753	0.253	ppbv	85
15) Acetone	3.497	43	331671	3.337	ppbv	98
20) Methylene Chloride	3.954	84	91420	2.418	ppbv	97
26) Hexane	5.227	57	125106	1.549	ppbv #	36
27) Carbon Disulfide	4.144	76	15371	0.160	ppbv #	65
34) 2-Butanone	4.812	43	28984m	0.284	ppbv	
35) Carbon Tetrachloride	6.510	117	8979m	0.073	ppbv	
36) Benzene	6.385	78	59117m	0.354	ppbv	
53) Toluene	9.234	91	243045	1.390	ppbv	98
59) m/p-Xylene	12.349	91	39478m	0.202	ppbv	
60) o-Xylene	13.069	91	17728m	0.097	ppbv	
69) p-Isopropyltoluene	16.998	119	234080	0.840	ppbv	98

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

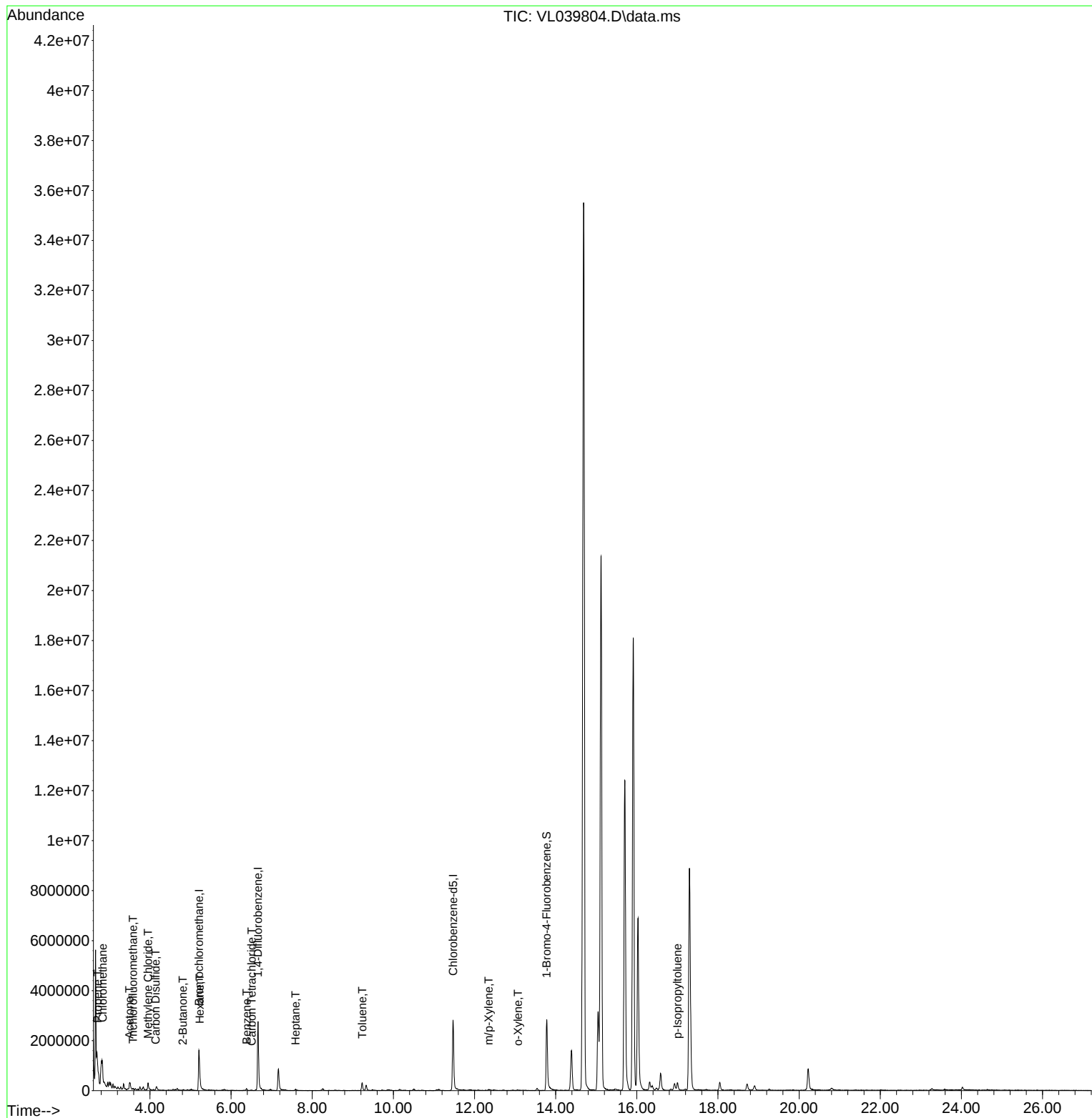
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039804.D
Acq On : 26 Oct 2022 2:02
Operator : SY/AP
Sample : N5227-11
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

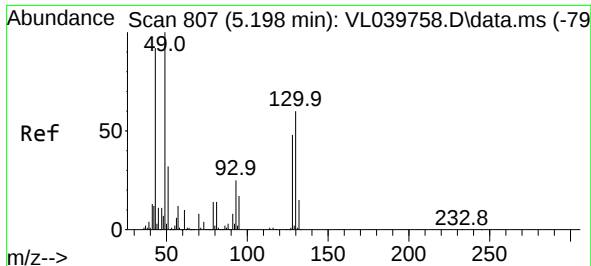
Instrument :
MSVOA_L
ClientSampleId :
K

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

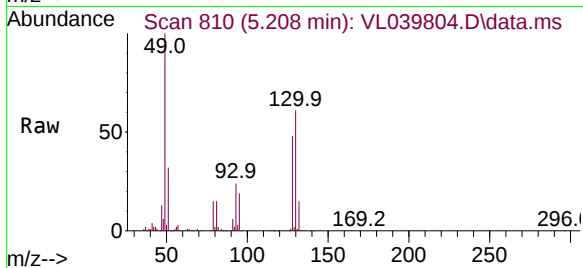
Quant Time: Oct 26 08:36:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Oct 24 20:00:55 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

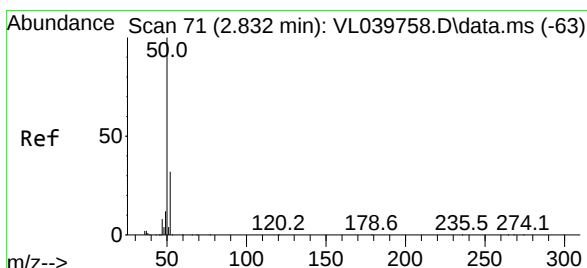
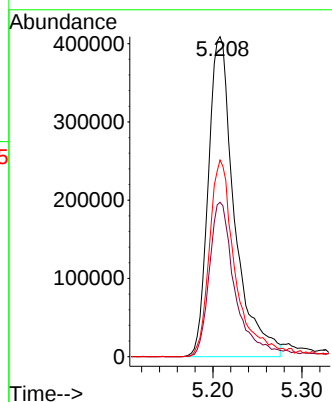
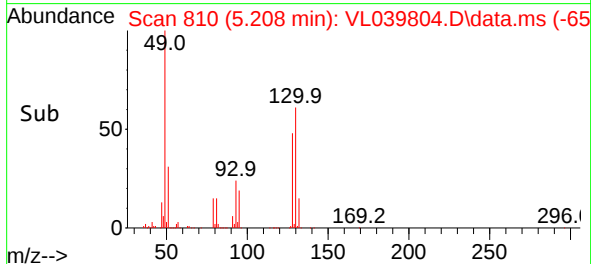
Instrument :
MSVOA_L
ClientSampleId :
K



Tgt Ion: 49 Resp: 83203
Ion Ratio Lower Upper
49 100
128 50.3 24.6 74.0
130 63.3 31.8 95.3

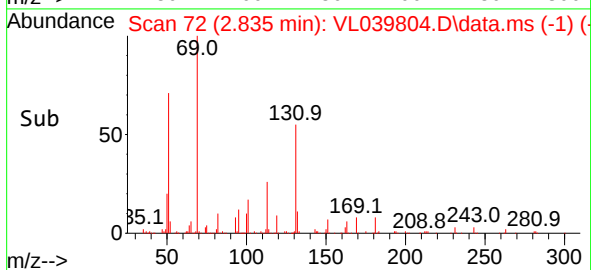
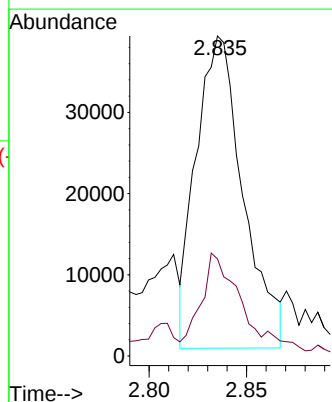
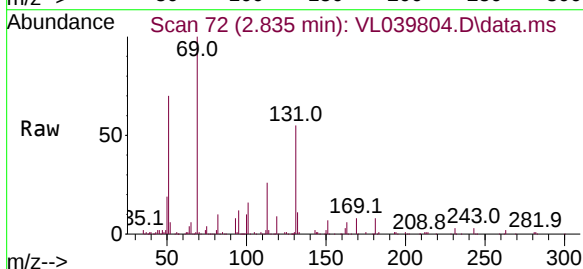
Manual Integrations
APPROVED

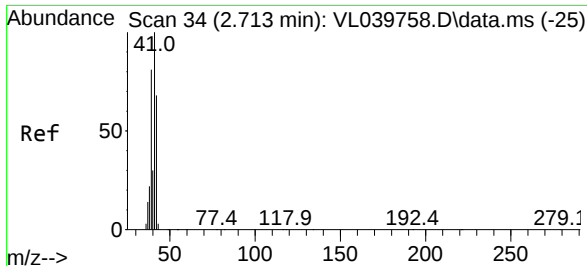
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#4
Chloromethane
Concen: 1.030 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.003 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

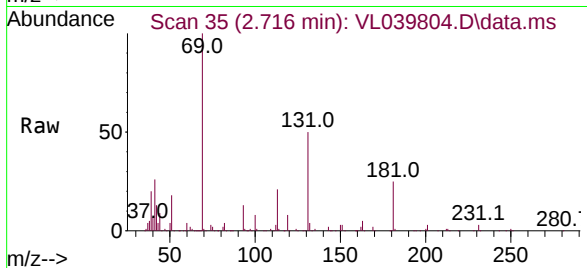
Tgt Ion: 50 Resp: 64450
Ion Ratio Lower Upper
50 100
52 31.2 25.9 38.9





#9
 Propene
 Concen: 1.911 ppbv
 RT: 2.716 min Scan# 34
 Delta R.T. 0.003 min
 Lab File: VL039804.D
 Acq: 26 Oct 2022 2:02 K

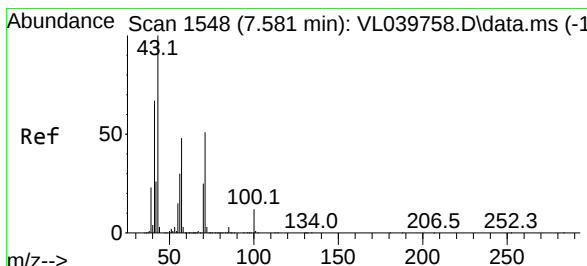
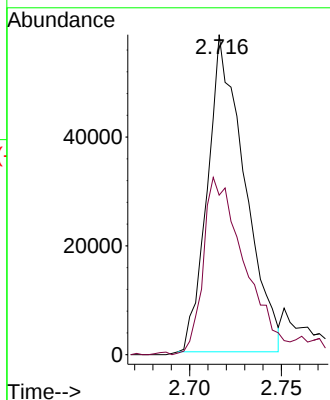
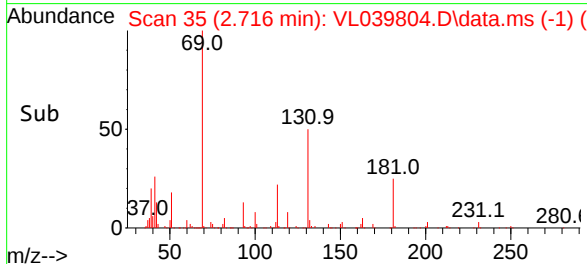
Instrument :
 MSVOA_L
 ClientSampleId :
 K



Tgt Ion: 41 Resp: 82068
 Ion Ratio Lower Upper
 41 100
 42 68.3 58.0 87.0

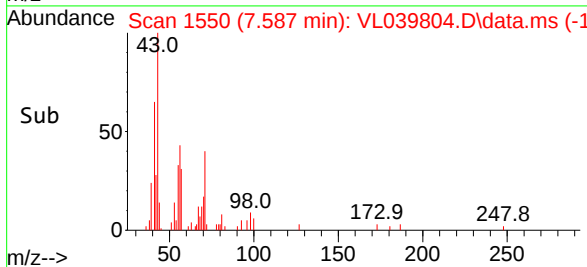
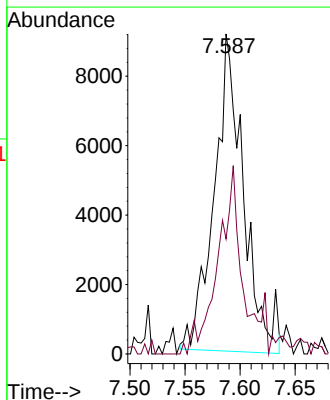
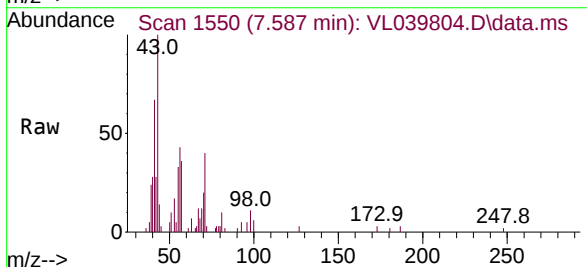
Manual Integrations
 APPROVED

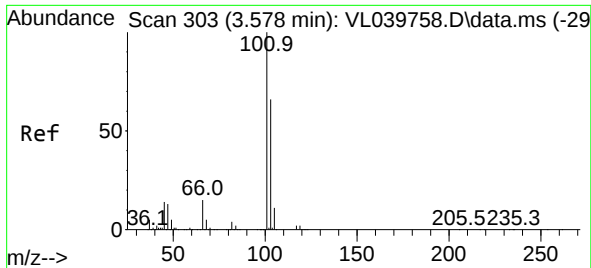
Reviewed By :Semsettin Yesilyurt 10/28/2022
 Supervised By :Mahesh Dadoda 10/31/2022



#10
 Heptane
 Concen: 0.164 ppbv m
 RT: 7.587 min Scan# 1550
 Delta R.T. 0.007 min
 Lab File: VL039804.D
 Acq: 26 Oct 2022 2:02

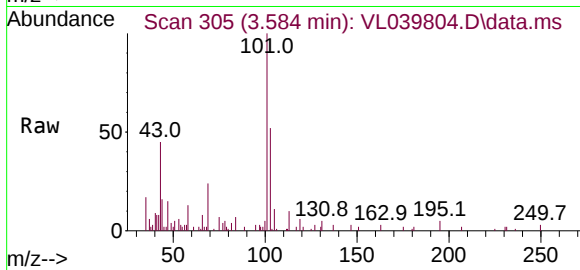
Tgt Ion: 43 Resp: 16897
 Ion Ratio Lower Upper
 43 100
 57 55.2 40.0 60.0





#11
Trichlorofluoromethane
Concen: 0.253 ppbv
RT: 3.584 min Scan# 303
Delta R.T. 0.007 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

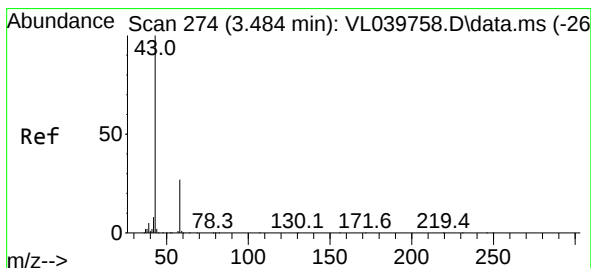
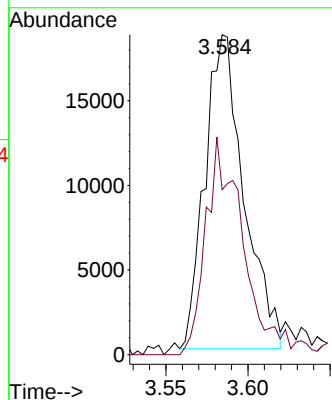
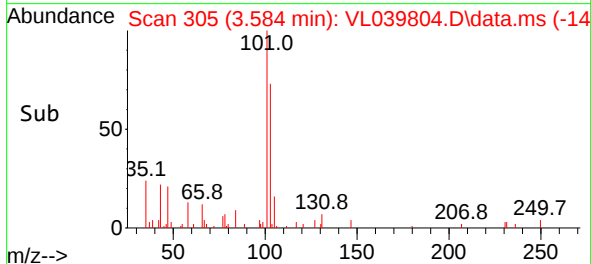
Instrument :
MSVOA_L
ClientSampleId :
K



Tgt Ion:101 Resp: 3075
Ion Ratio Lower Upper
101 100
103 53.8 52.7 79.1

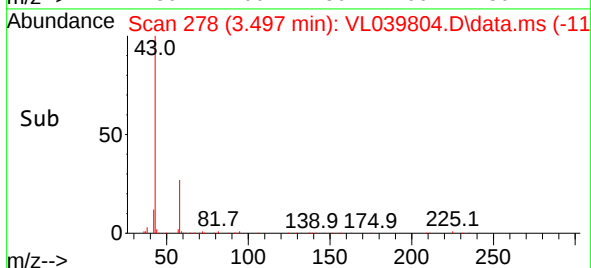
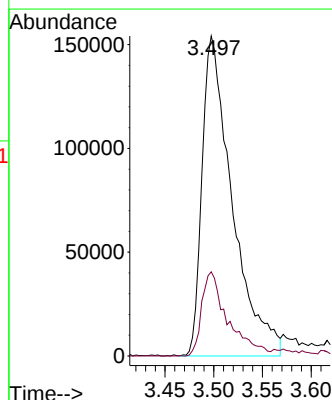
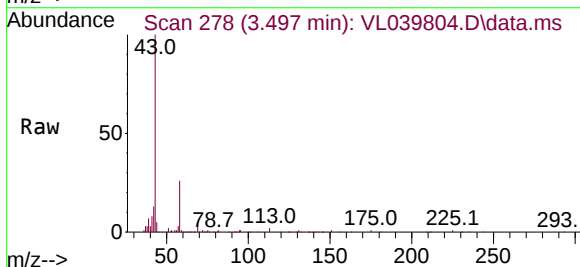
Manual Integrations
APPROVED

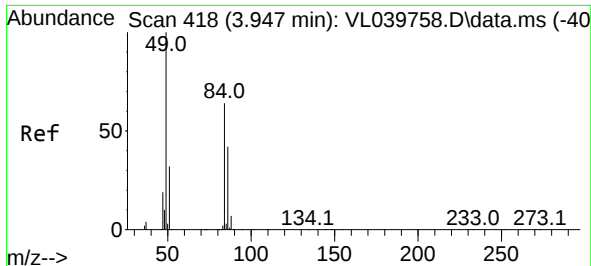
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#15
Acetone
Concen: 3.337 ppbv
RT: 3.497 min Scan# 278
Delta R.T. 0.013 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

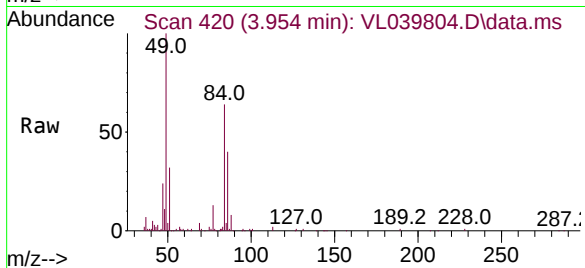
Tgt Ion: 43 Resp: 331671
Ion Ratio Lower Upper
43 100
58 24.8 20.7 31.1





#20
Methylene Chloride
Concen: 2.418 ppbv
RT: 3.954 min Scan# 418
Delta R.T. 0.007 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

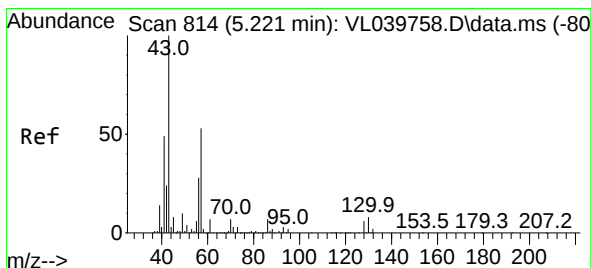
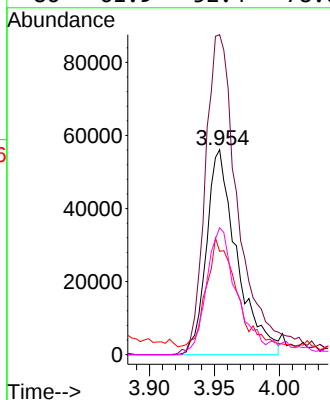
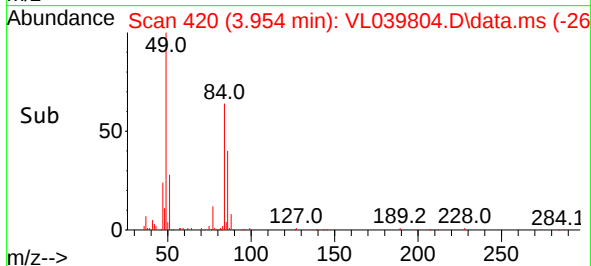
Instrument :
MSVOA_L
ClientSampleId :
K



Tgt Ion: 84 Resp: 91420
Ion Ratio Lower Upper
84 100
49 155.4 126.0 189.0
51 46.6 40.9 61.3
86 61.9 52.4 78.6

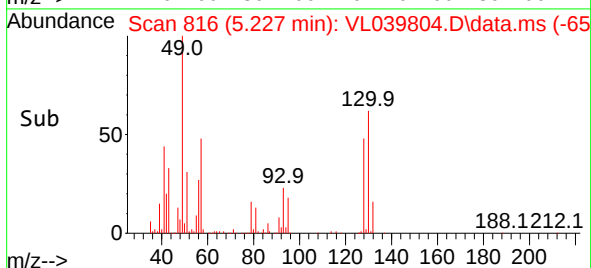
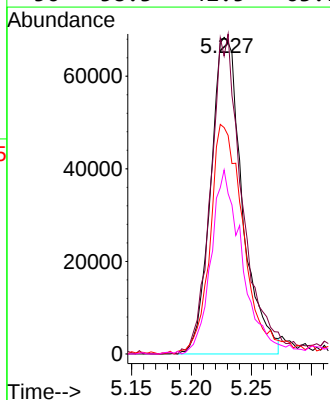
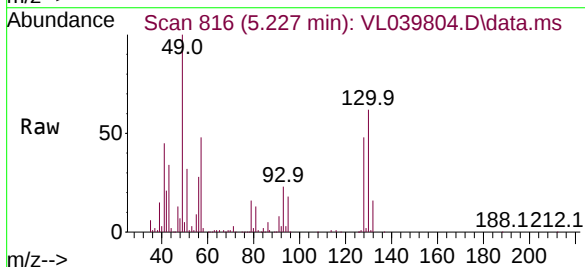
Manual Integrations
APPROVED

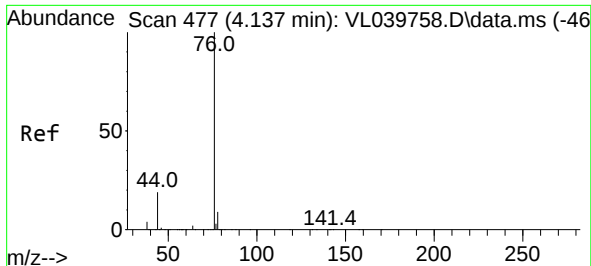
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#26
Hexane
Concen: 1.549 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.007 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

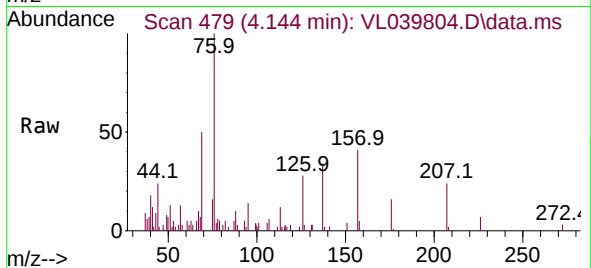
Tgt Ion: 57 Resp: 125106
Ion Ratio Lower Upper
57 100
41 105.2 76.1 114.1
43 79.2 197.1 295.7#
56 58.3 42.5 63.7





#27
Carbon Disulfide
Concen: 0.160 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

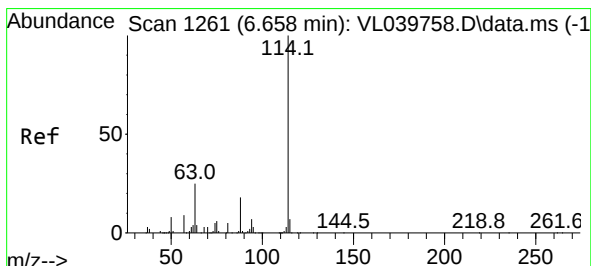
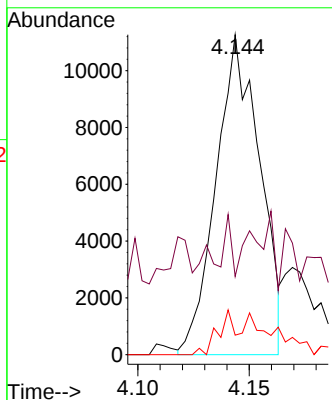
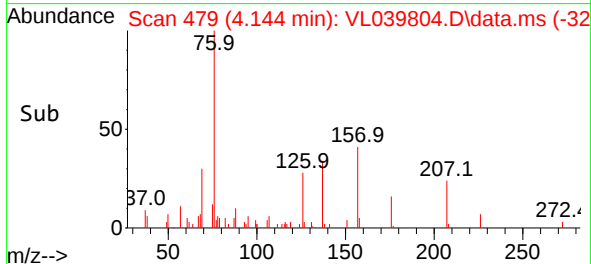
Instrument :
MSVOA_L
ClientSampleId :
K



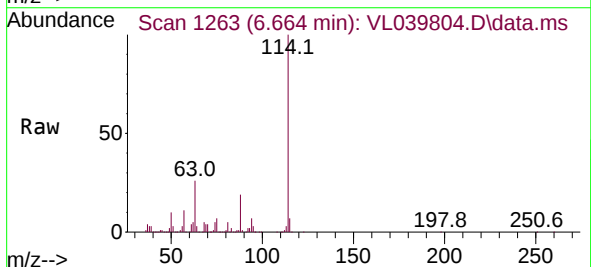
Tgt Ion: 76 Resp: 1537
Ion Ratio Lower Upper
76 100
44 0.0 16.6 25.0
78 15.2 7.6 11.4

Manual Integrations
APPROVED

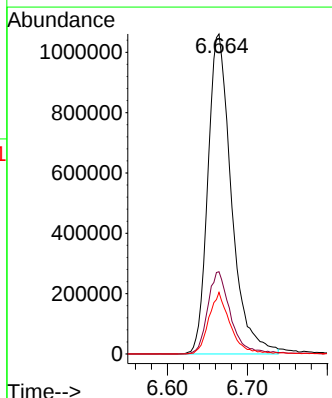
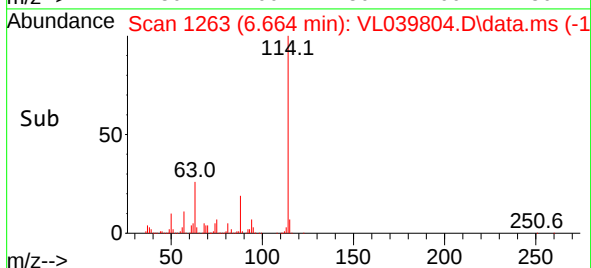
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

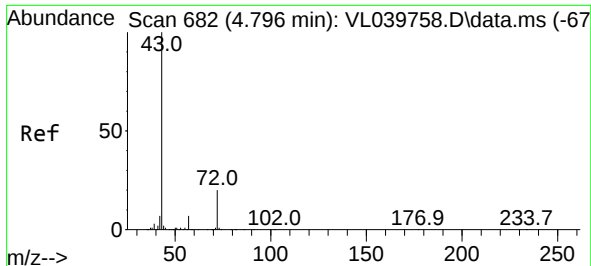


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02



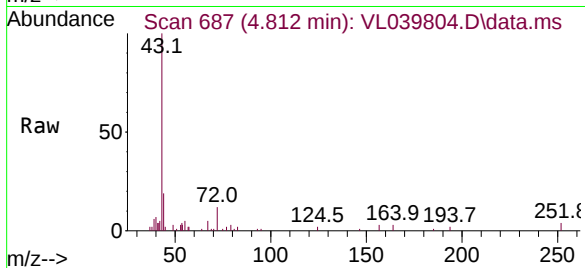
Tgt Ion:114 Resp: 2166335
Ion Ratio Lower Upper
114 100
63 25.4 20.1 30.1
88 17.8 14.5 21.7





#34
2-Butanone
Concen: 0.284 ppbv m
RT: 4.812 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

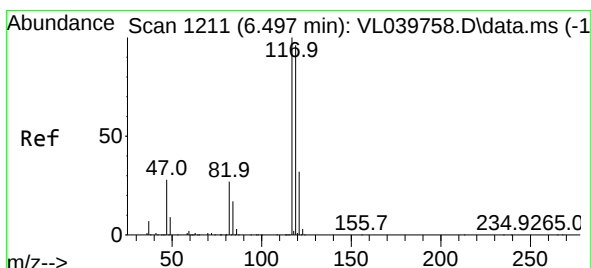
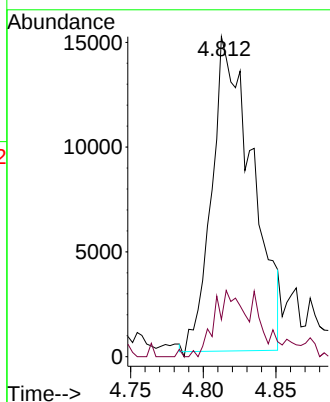
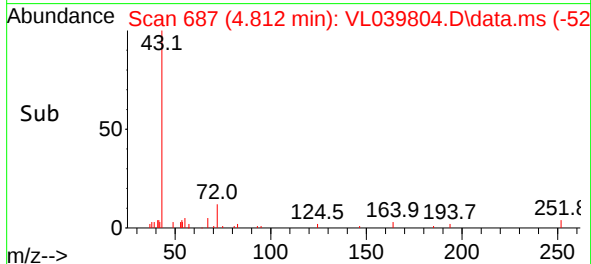
Instrument :
MSVOA_L
ClientSampleId :
K



Tgt Ion: 43 Resp: 28984
Ion Ratio Lower Upper
43 100
72 24.6 16.5 24.7

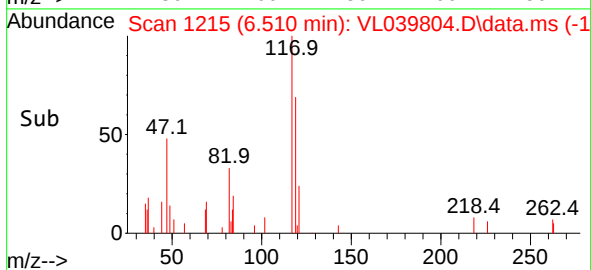
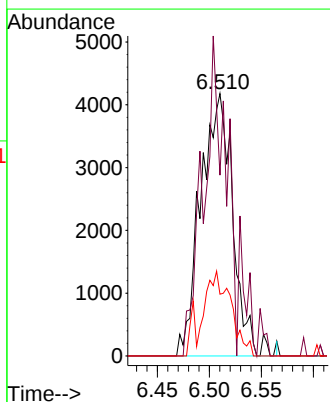
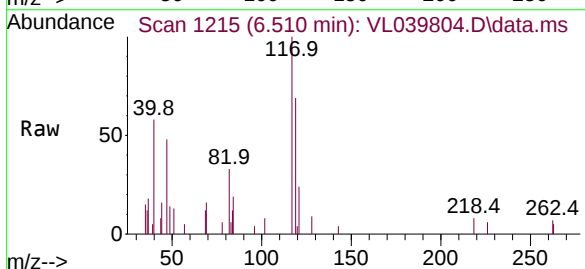
Manual Integrations
APPROVED

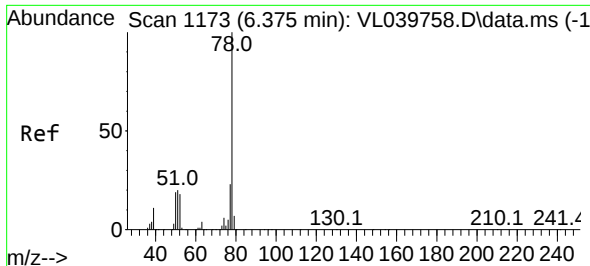
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 6.510 min Scan# 1215
Delta R.T. 0.013 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

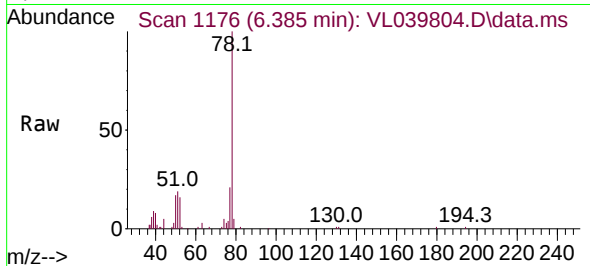
Tgt Ion:117 Resp: 8979
Ion Ratio Lower Upper
117 100
119 68.9 76.6 115.0#
121 23.5 25.3 37.9#





#36
Benzene
Concen: 0.354 ppbv m
RT: 6.385 min Scan# 1173
Delta R.T. 0.010 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

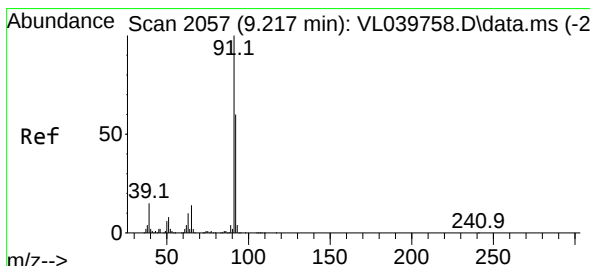
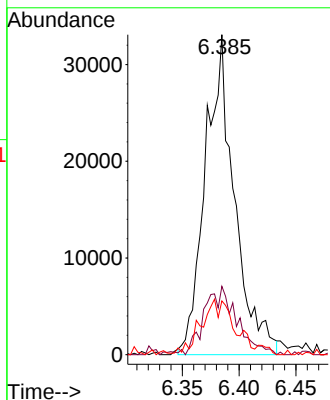
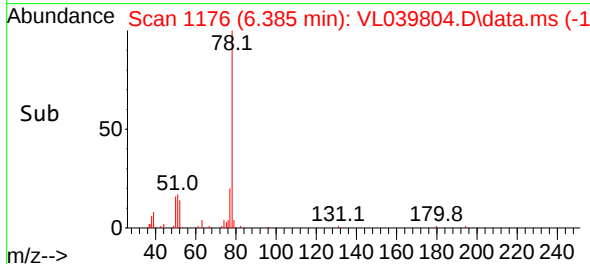
Instrument : MSVOA_L
ClientSampleId : K



Tgt Ion: 78 Resp: 5911
Ion Ratio Lower Upper
78 100
77 21.3 18.3 27.5
50 16.8 15.2 22.8

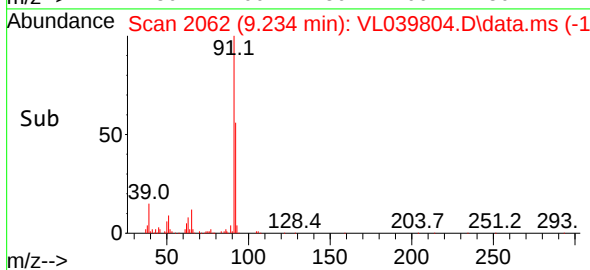
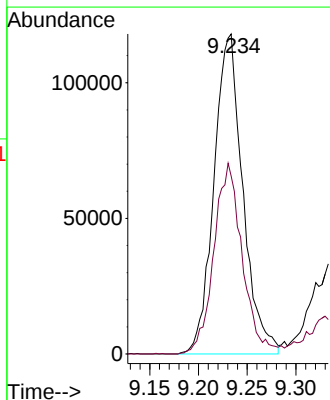
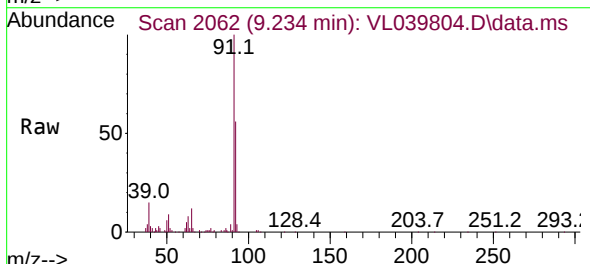
Manual Integrations
APPROVED

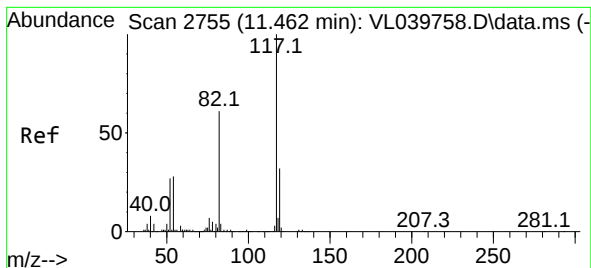
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#53
Toluene
Concen: 1.390 ppbv
RT: 9.234 min Scan# 2062
Delta R.T. 0.017 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

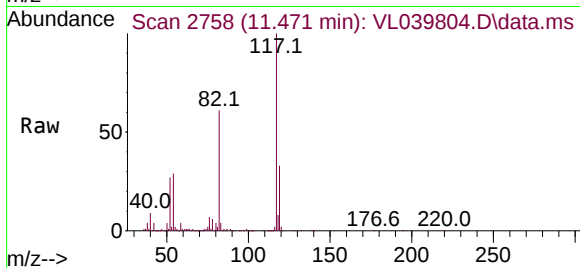
Tgt Ion: 91 Resp: 243045
Ion Ratio Lower Upper
91 100
92 58.6 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02 K

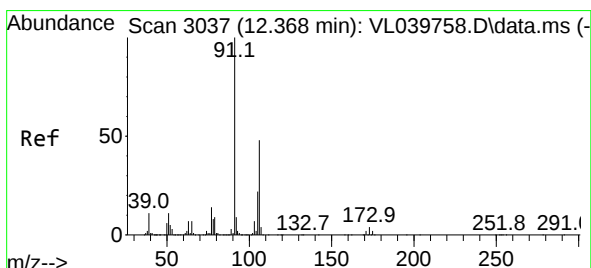
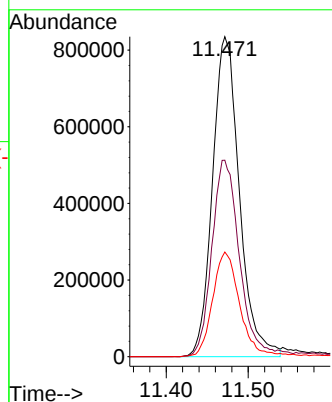
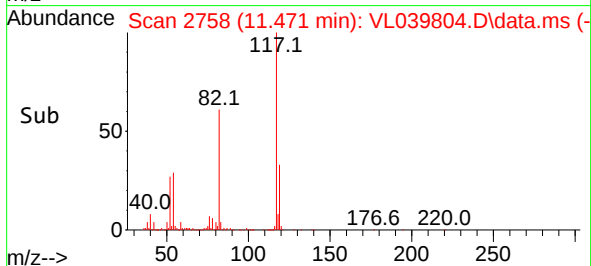
Instrument :
MSVOA_L
ClientSampleId :



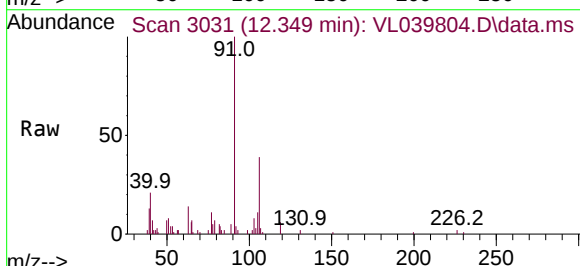
Tgt Ion:117 Resp: 190436
Ion Ratio Lower Upper
117 100
82 65.2 49.9 74.9
119 33.8 25.2 37.8

Manual Integrations
APPROVED

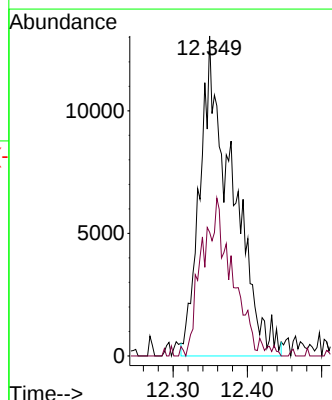
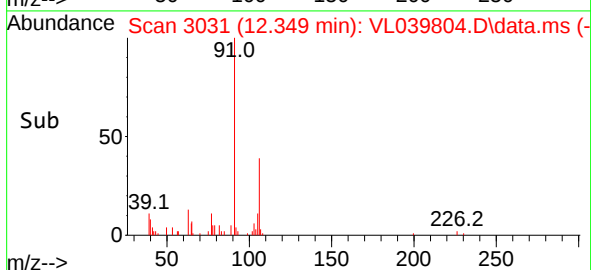
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

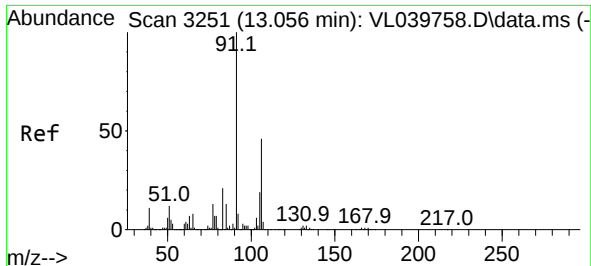


#59
m/p-Xylene
Concen: 0.202 ppbv m
RT: 12.349 min Scan# 3031
Delta R.T. -0.019 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02



Tgt Ion: 91 Resp: 39478
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#





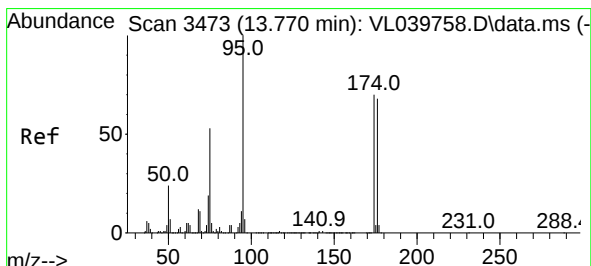
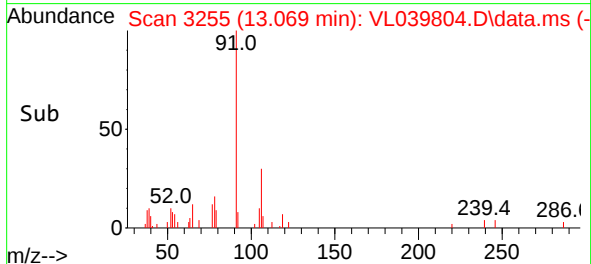
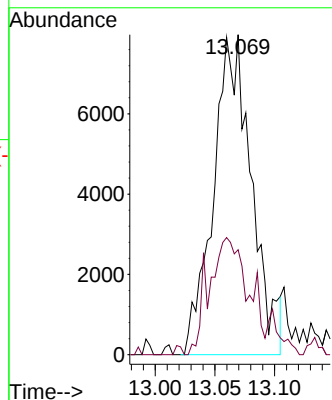
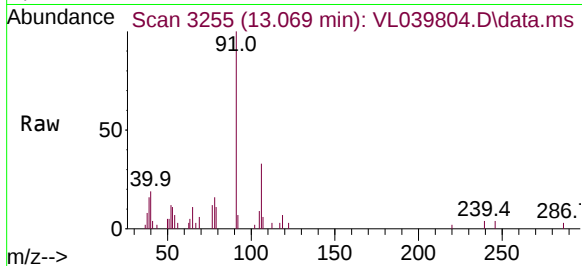
#60
o-Xylene
Concen: 0.097 ppbv m
RT: 13.069 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

Instrument :
MSVOA_L
ClientSampleId :
K

Tgt Ion: 91 Resp: 17728
Ion Ratio Lower Upper
91 100
106 0.0 22.9 68.8

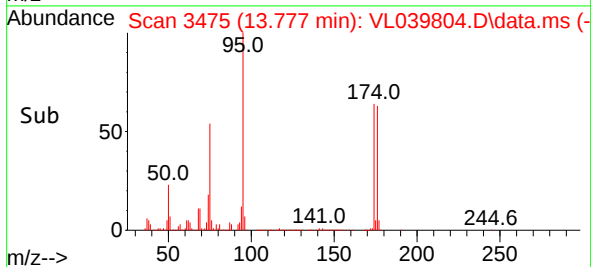
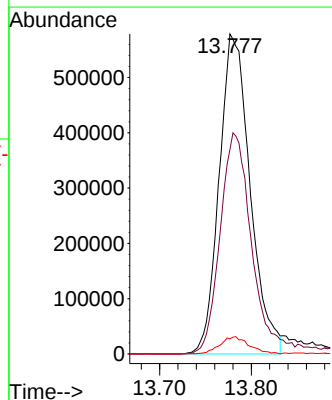
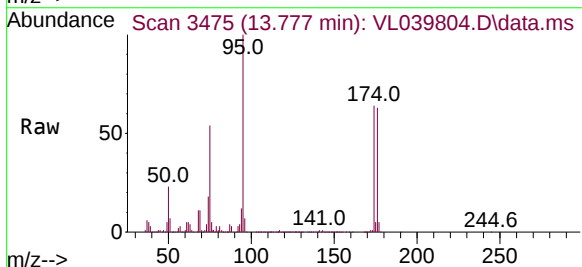
Manual Integrations
APPROVED

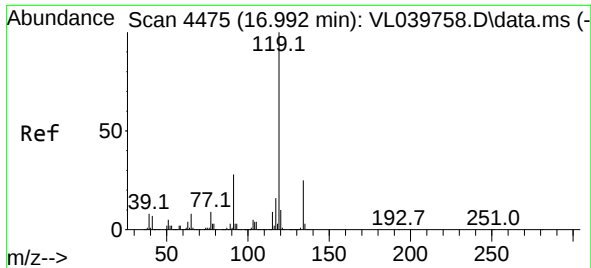
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.010 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.007 min
Lab File: VL039804.D
Acq: 26 Oct 2022 2:02

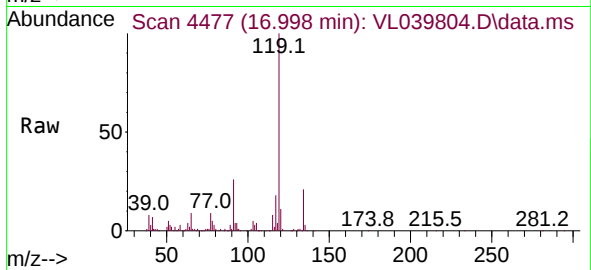
Tgt Ion: 95 Resp: 1356054
Ion Ratio Lower Upper
95 100
174 74.5 57.3 85.9
175 5.1 4.2 6.2





#69
 p-Isopropyltoluene
 Concen: 0.840 ppbv
 RT: 16.998 min Scan# 44
 Delta R.T. 0.007 min
 Lab File: VL039804.D
 Acq: 26 Oct 2022 2:02 K

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:119 Resp: 234080
 Ion Ratio Lower Upper
 119 100
 134 25.3 19.8 29.6
 91 28.9 22.2 33.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022
 Supervised By :Mahesh Dadoda 10/31/2022

