

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040780.D
 Acq On : 23 Oct 2023 15:54
 Operator : SY/MD
 Sample : 05004-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 05:35:56 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	938887	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.642	114	2630023	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.449	117	2384165	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1827274	10.416	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.200%
Target Compounds						
2) Dichlorodifluoromethane	2.729	85	6268	0.038	ppbv	Qvalue 100
3) Chlorodifluoromethane	2.655	51	35212	0.255	ppbv #	64
9) Propene	2.703	41	9663	0.189	ppbv	85
13) Ethanol	3.250	45	21595	1.867	ppbv	83
15) Acetone	3.481	43	81617m	0.841	ppbv	
19) Isopropyl Alcohol	3.584	45	114585m	1.834	ppbv	
20) Methylene Chloride	3.928	84	66678	1.649	ppbv	94
25) Ethyl Acetate	5.205	43	40559	0.191	ppbv #	79
26) Hexane	5.205	57	54785	0.564	ppbv #	38
31) cis-1,2-Dichloroethene	5.066	61	14381m	0.161	ppbv	
38) Trichloroethene	7.282	130	8606m	0.096	ppbv	
53) Toluene	9.208	91	27695m	0.115	ppbv	
59) m/p-Xylene	12.323	91	43238m	0.175	ppbv	

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

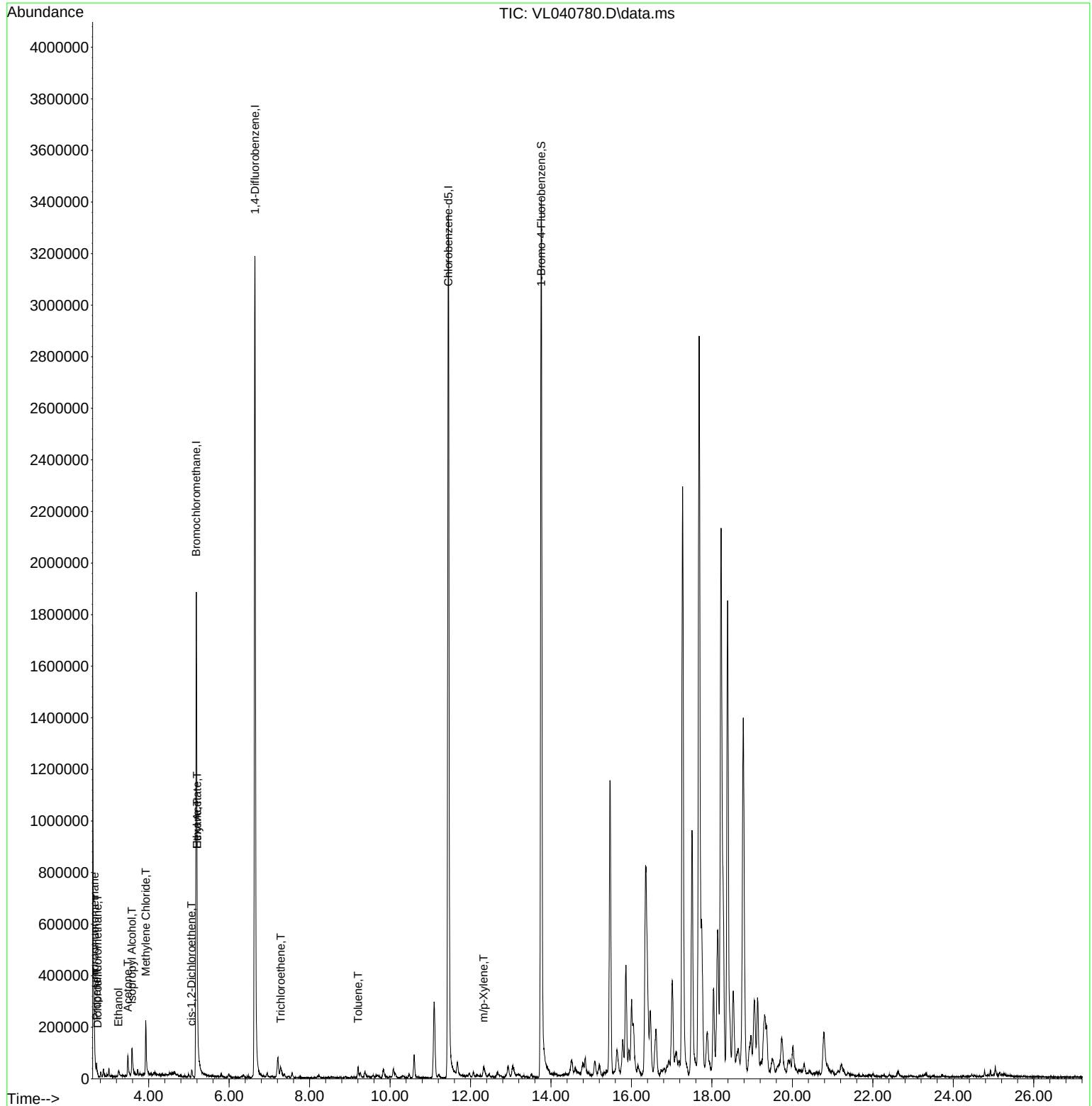
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
Data File : VL040780.D
Acq On : 23 Oct 2023 15:54
Operator : SY/MD
Sample : 05004-01DL 20X
Misc : 400mL/MSVOA_L
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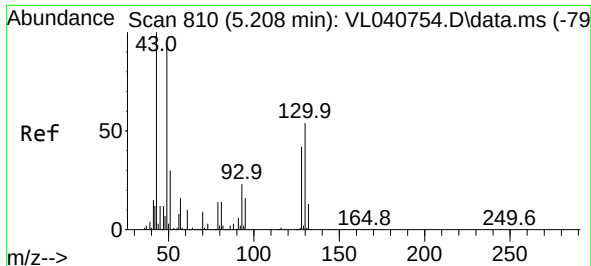
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

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

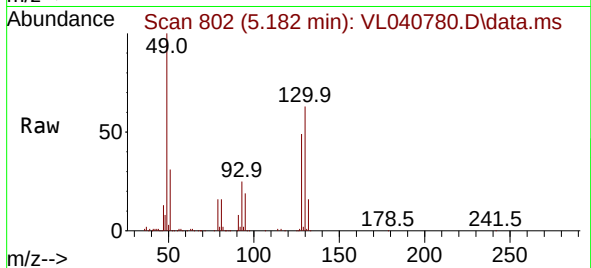
Quant Time: Oct 24 05:35:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Oct 12 00:21:08 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

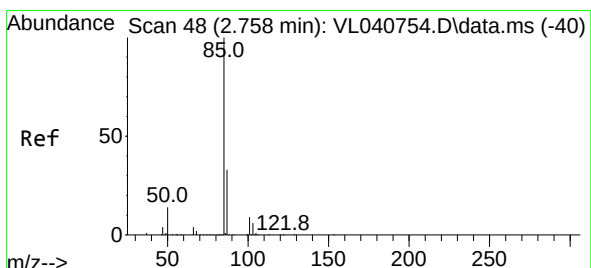
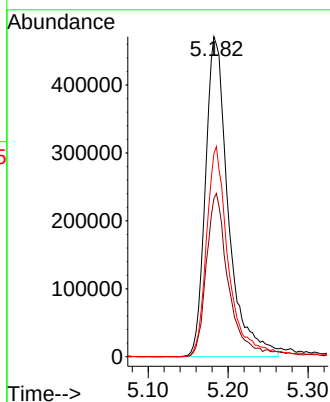
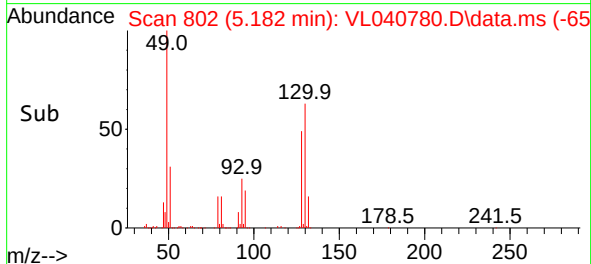
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 93888
Ion Ratio Lower Upper
49 100
128 50.8 23.9 71.7
130 65.0 30.7 92.1

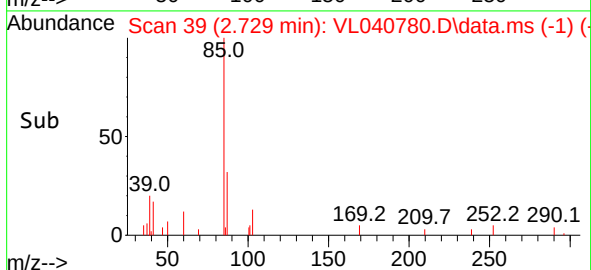
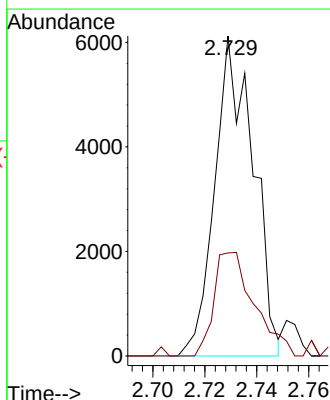
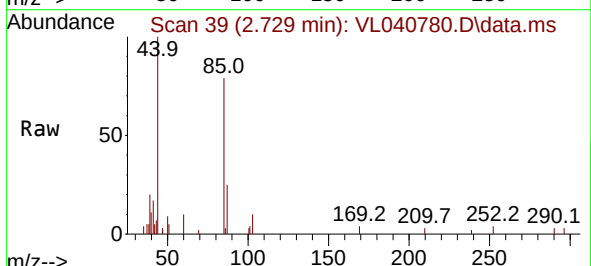
Manual Integrations
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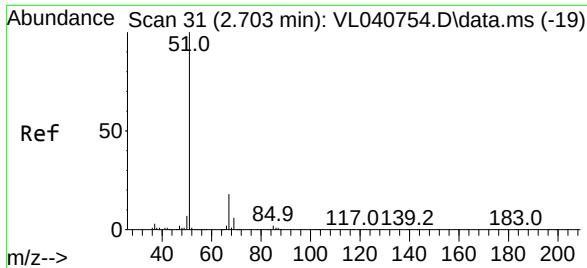
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#2
Dichlorodifluoromethane
Concen: 0.038 ppbv
RT: 2.729 min Scan# 39
Delta R.T. -0.029 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

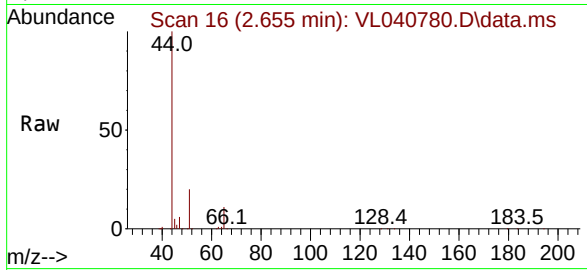
Tgt Ion: 85 Resp: 6268
Ion Ratio Lower Upper
85 100
87 32.2 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.255 ppbv
RT: 2.655 min Scan# 10
Delta R.T. -0.048 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

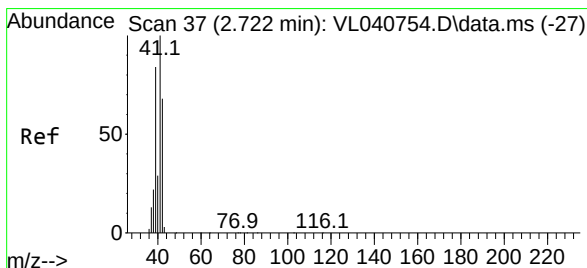
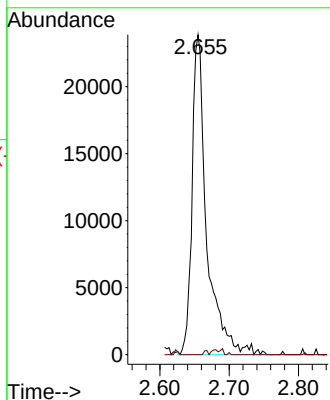
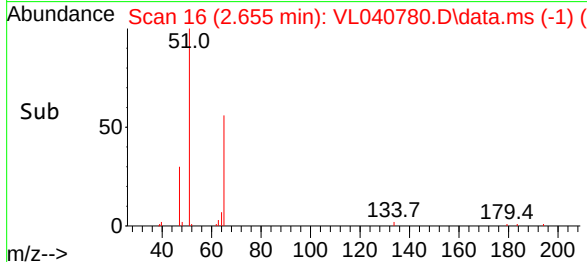
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 51 Resp: 3521
Ion Ratio Lower Upper
51 100
67 1.5 13.8 20.6

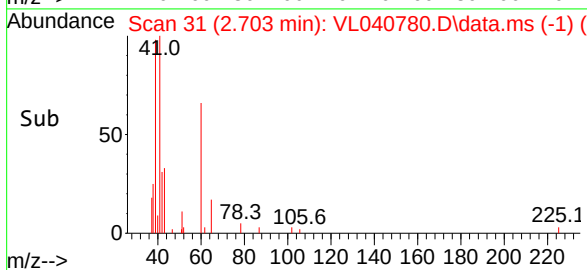
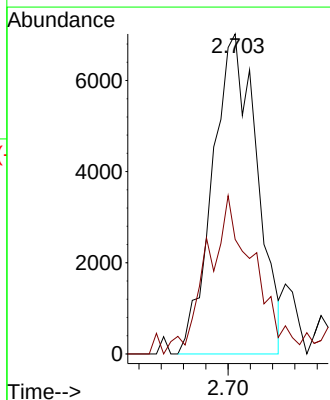
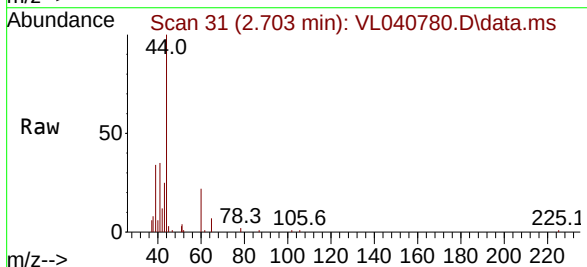
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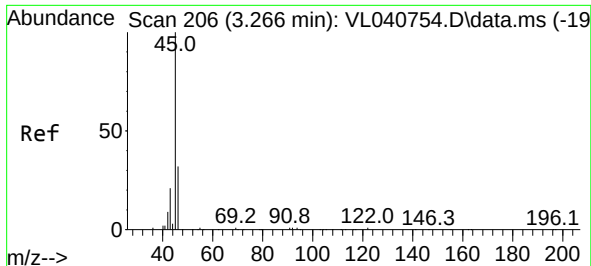
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#9
Propene
Concen: 0.189 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

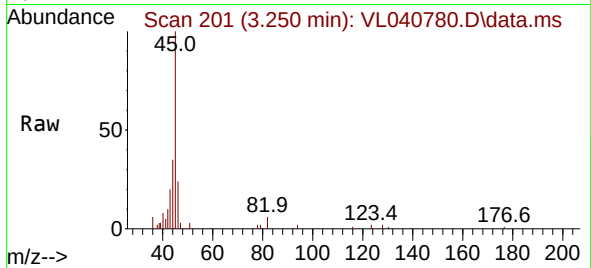
Tgt Ion: 41 Resp: 9663
Ion Ratio Lower Upper
41 100
42 58.6 57.1 85.7





#13
Ethanol
Concen: 1.867 ppbv
RT: 3.250 min Scan# 206
Delta R.T. -0.016 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

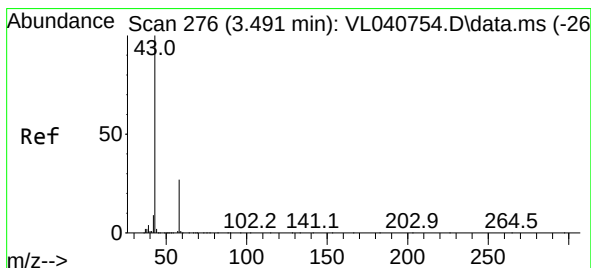
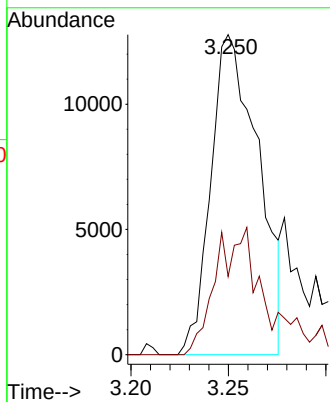
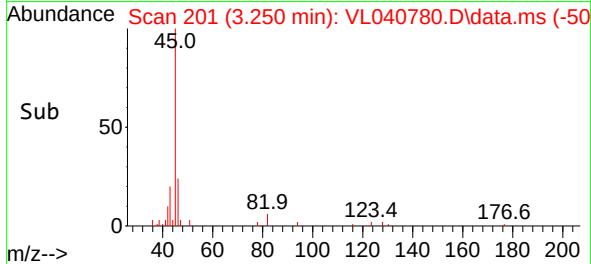
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 45 Resp: 2159
Ion Ratio Lower Upper
45 100
46 46.2 14.6 58.2

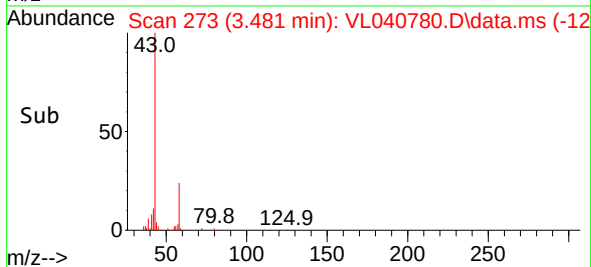
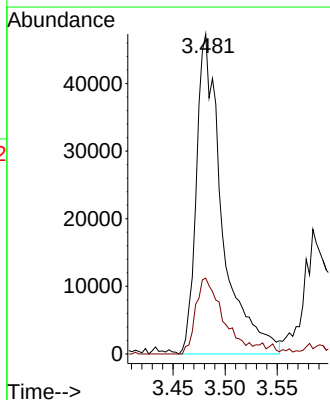
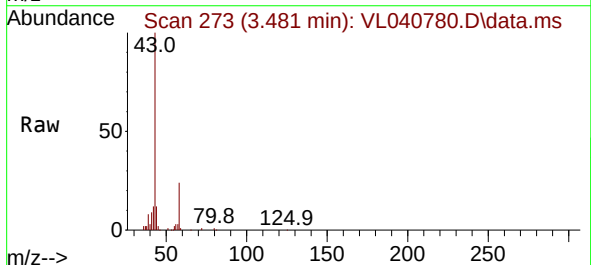
Manual Integrations
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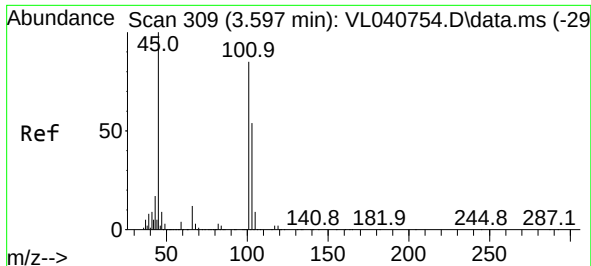
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#15
Acetone
Concen: 0.841 ppbv m
RT: 3.481 min Scan# 273
Delta R.T. -0.010 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

Tgt Ion: 43 Resp: 81617
Ion Ratio Lower Upper
43 100
58 27.6 21.6 32.4





#19

Isopropyl Alcohol

Concen: 1.834 ppbv m

RT: 3.584 min Scan# 309

Delta R.T. -0.013 min

Lab File: VL040780.D

Acq: 23 Oct 2023 15:54

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 45 Resp: 11458

Ion Ratio Lower Upper

45 100

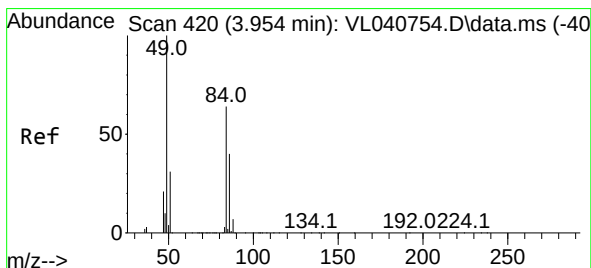
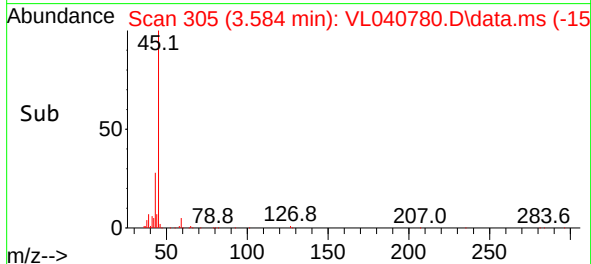
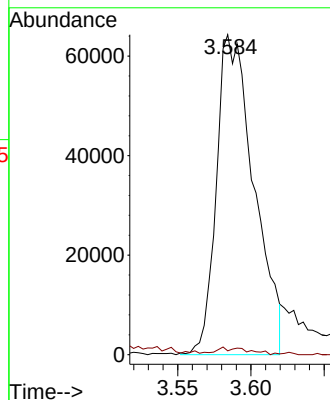
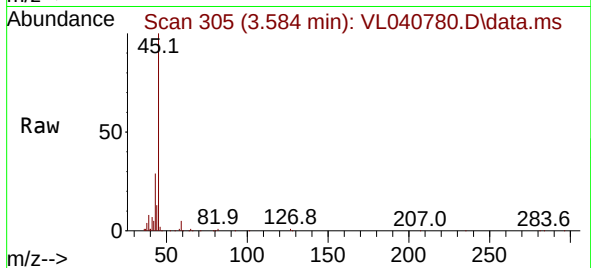
58 2.2 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#20

Methylene Chloride

Concen: 1.649 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.026 min

Lab File: VL040780.D

Acq: 23 Oct 2023 15:54

Tgt Ion: 84 Resp: 66678

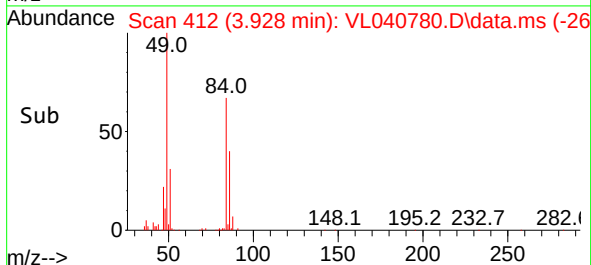
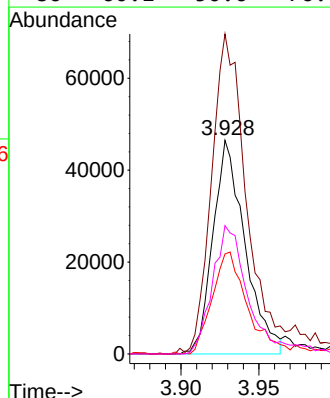
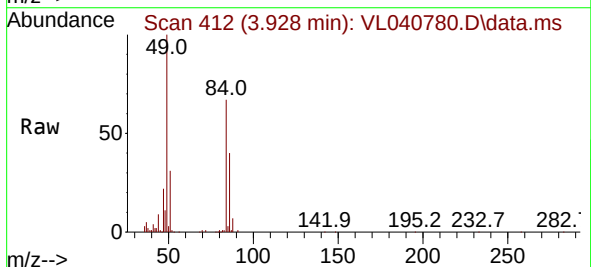
Ion Ratio Lower Upper

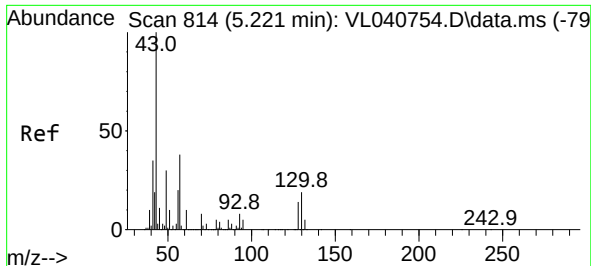
84 100

49 147.2 125.6 188.4

51 46.8 38.9 58.3

86 60.1 50.6 76.0





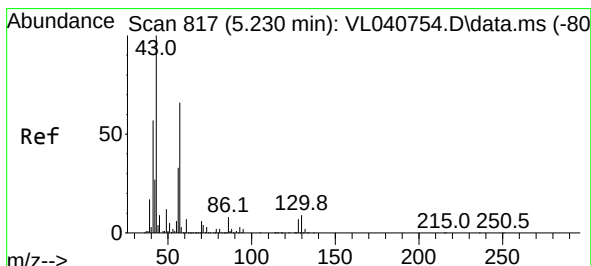
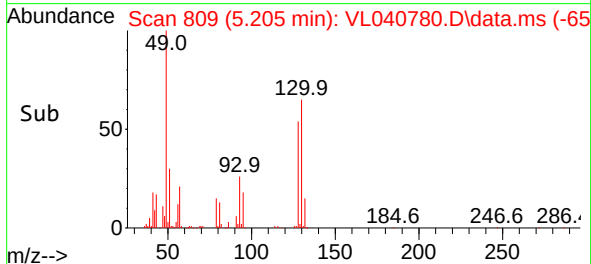
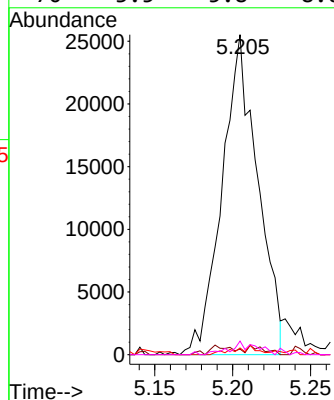
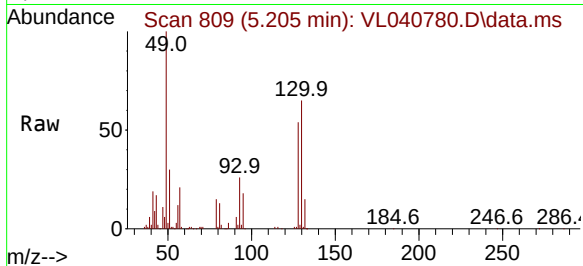
#25
Ethyl Acetate
Concen: 0.191 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.016 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 4055
Ion Ratio Lower Upper
43 100
45 2.0 8.2 12.4
61 0.0 8.2 12.2
70 3.5 5.8 8.6

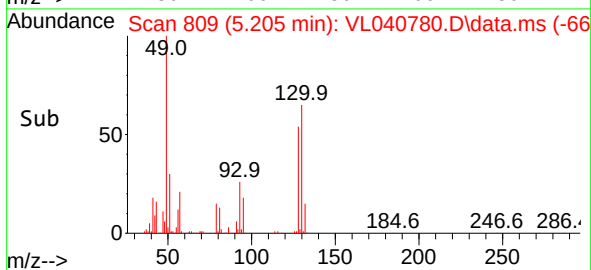
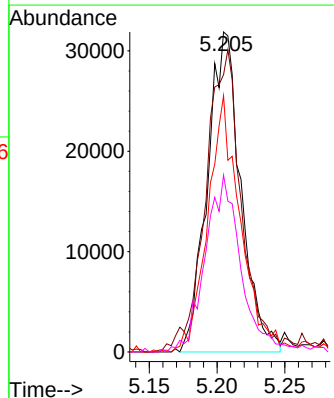
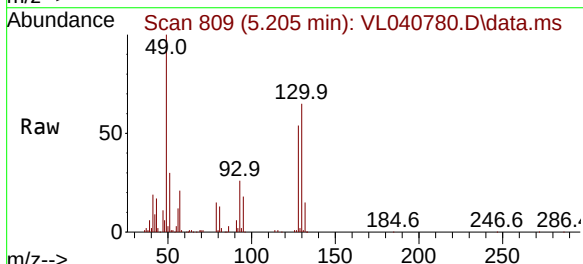
Manual Integrations
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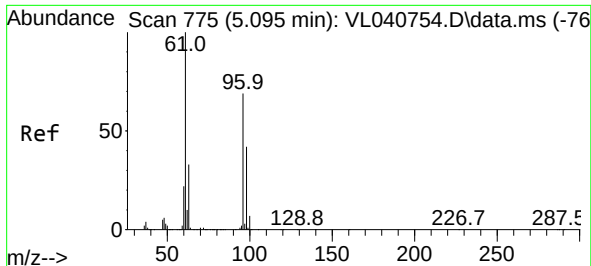
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#26
Hexane
Concen: 0.564 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.026 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

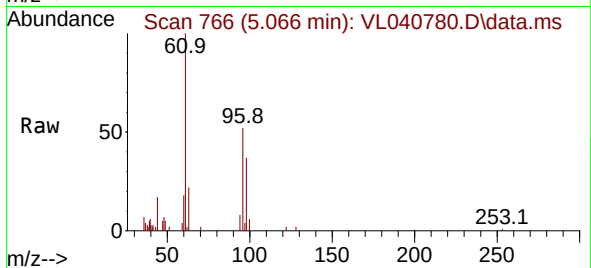
Tgt Ion: 57 Resp: 54785
Ion Ratio Lower Upper
57 100
41 104.7 71.4 107.2
43 78.3 182.3 273.5
56 59.8 42.0 63.0





#31
cis-1,2-Dichloroethene
Concen: 0.161 ppbv m
RT: 5.066 min Scan# 775
Delta R.T. -0.029 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

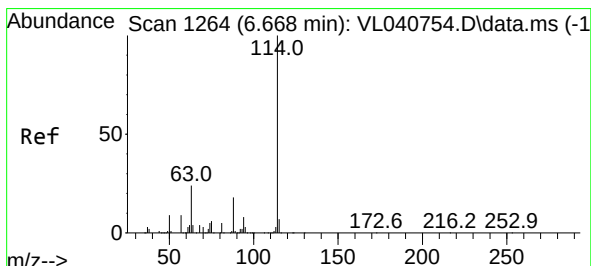
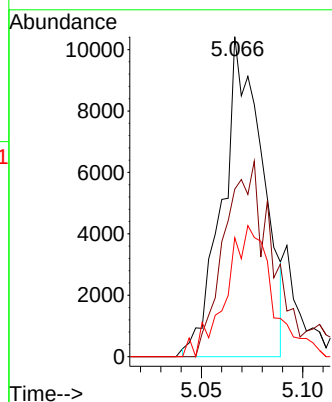
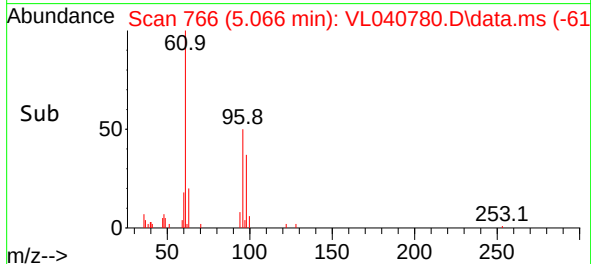
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 61 Resp: 1438
Ion Ratio Lower Upper
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96 52.4 55.1 82.7
98 37.1 33.5 50.3

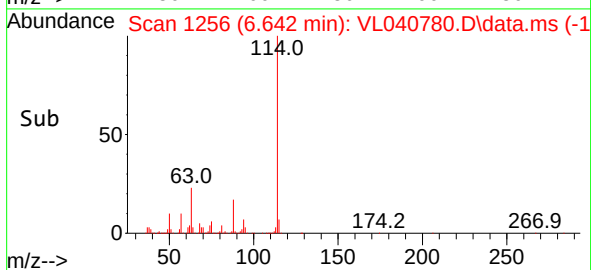
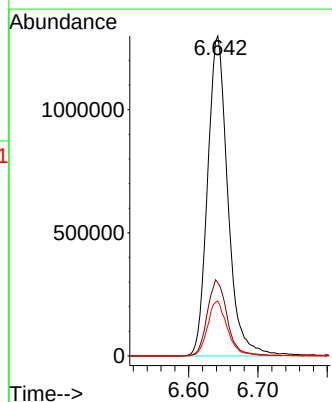
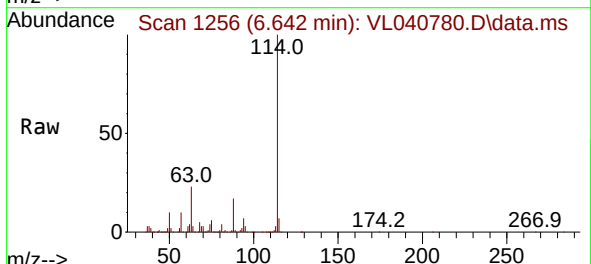
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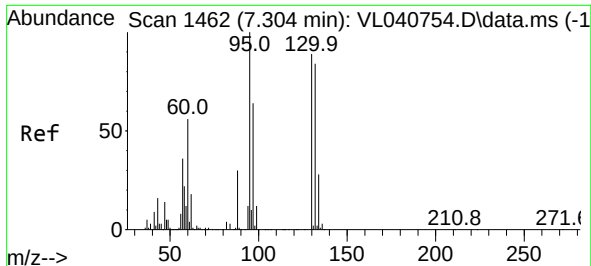
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.026 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

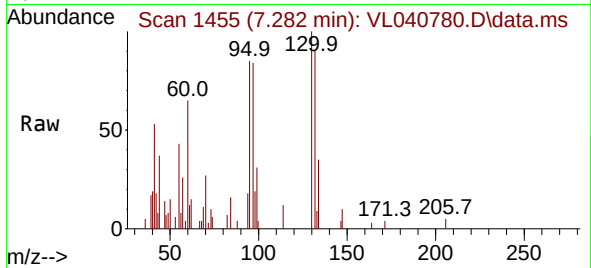
Tgt Ion:114 Resp: 2630023
Ion Ratio Lower Upper
114 100
63 23.6 19.8 29.6
88 17.0 14.2 21.2





#38
 Trichloroethene
 Concen: 0.096 ppbv m
 RT: 7.282 min Scan# 1462
 Delta R.T. -0.022 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

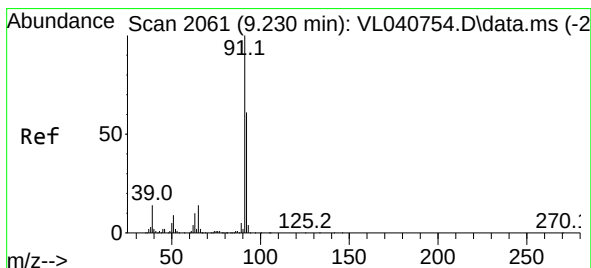
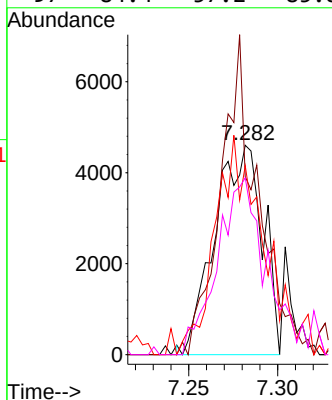
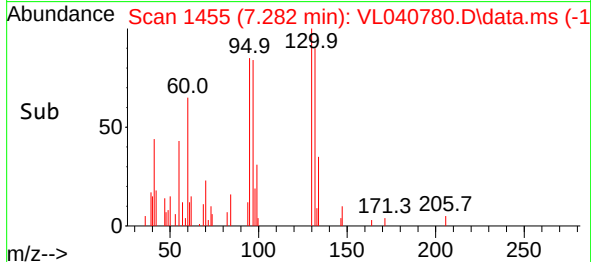
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion:	130	Resp:	8600
Ion	Ratio	Lower	Upper
130	100		
95	84.9	89.4	134.2
132	90.2	74.8	112.2
97	84.4	57.2	85.8

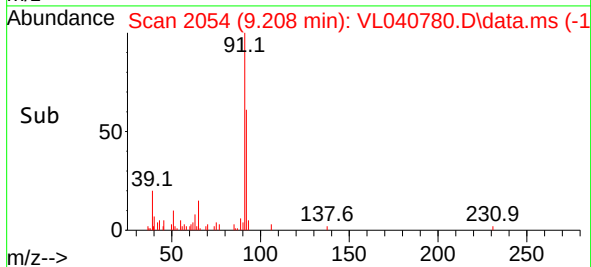
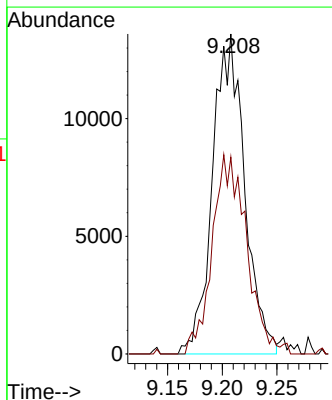
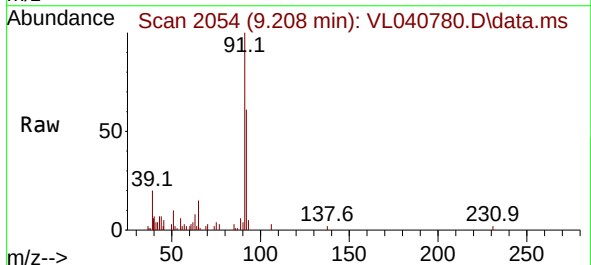
Manual Integrations
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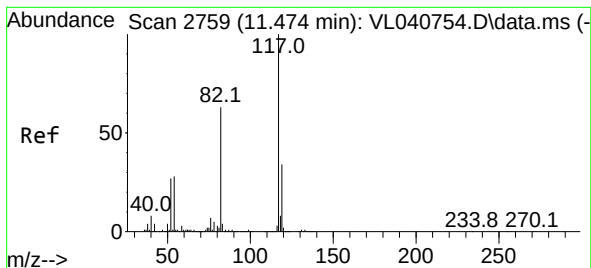
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#53
 Toluene
 Concen: 0.115 ppbv m
 RT: 9.208 min Scan# 2054
 Delta R.T. -0.022 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

Tgt Ion:	91	Resp:	27695
Ion	Ratio	Lower	Upper
91	100		
92	67.1	50.2	75.2





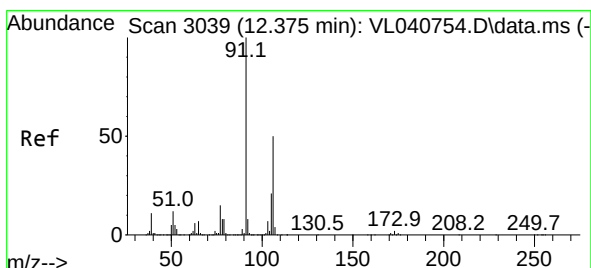
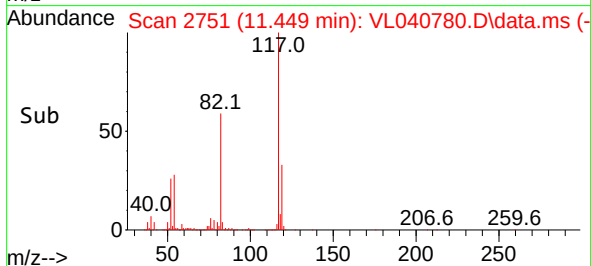
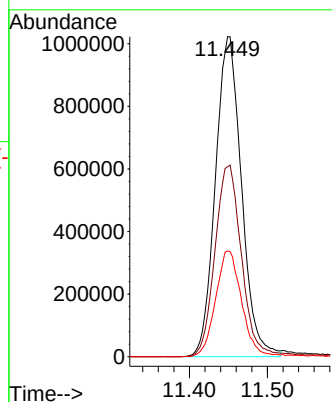
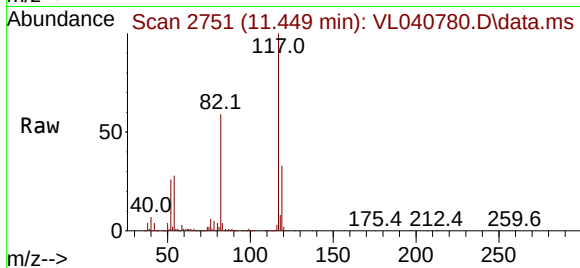
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 238416
Ion Ratio Lower Upper
117 100
82 62.2 46.6 70.0
119 33.5 26.0 39.0

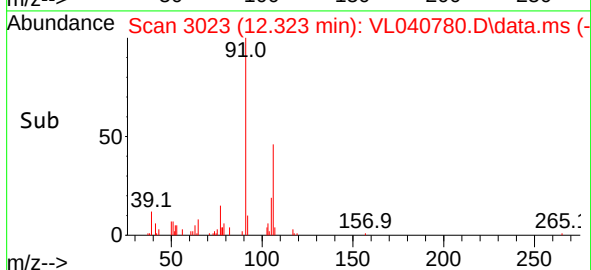
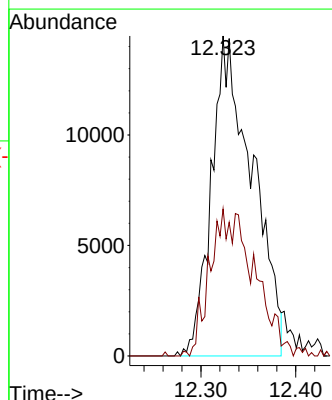
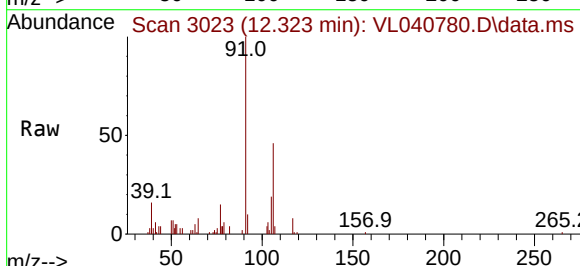
Manual Integrations
APPROVED

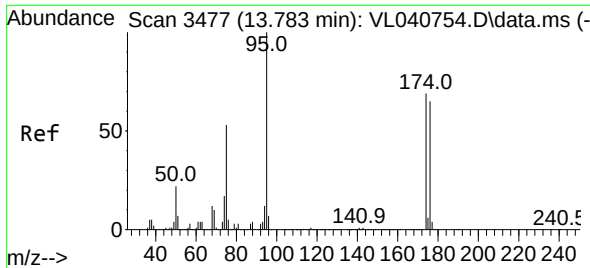
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#59
m/p-Xylene
Concen: 0.175 ppbv m
RT: 12.323 min Scan# 3023
Delta R.T. -0.051 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

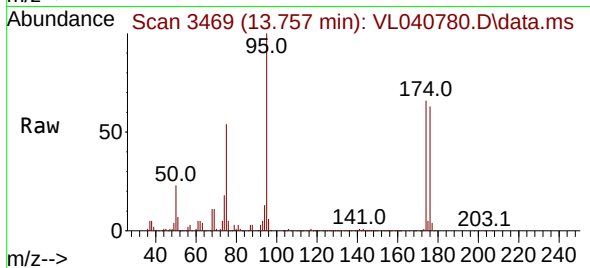
Tgt Ion: 91 Resp: 43238
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.416 ppbv
 RT: 13.757 min Scan# 3469
 Delta R.T. -0.026 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion: 95 Resp: 1827274
 Ion Ratio Lower Upper
 95 100
 174 66.8 54.7 82.1
 175 5.1 4.2 6.4

Manual Integrations
 APPROVED

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

