

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040623.D
 Acq On : 10 Aug 2023 2:43
 Operator : SY/MD
 Sample : 03950-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 04:57:33 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 10 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		5.192	49	866560	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene		6.655	114	2062195	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.475	117	1821185	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.786	95	1543919	10.712	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 107.100%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane		2.719	85	62092	0.358	ppbv	91
3) Chlorodifluoromethane		2.661	51	85719m	0.624	ppbv	
4) Chloromethane		2.806	50	29877	0.549	ppbv	96
9) Propene		2.694	41	38145	0.811	ppbv #	82
11) Trichlorofluoromethane		3.555	101	39926	0.285	ppbv	85
13) Ethanol		3.243	45	97814m	9.561	ppbv	
15) Acetone		3.462	43	614656	6.162	ppbv	97
19) Isopropyl Alcohol		3.584	45	69441m	1.213	ppbv	
20) Methylene Chloride		3.928	84	167353	3.944	ppbv	93
26) Hexane		5.211	57	120791	1.369	ppbv #	36
34) 2-Butanone		4.803	43	27852m	0.273	ppbv	
35) Carbon Tetrachloride		6.494	117	10608m	0.085	ppbv	
36) Benzene		6.372	78	21646	0.130	ppbv #	91
53) Toluene		9.227	91	32126m	0.178	ppbv	

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

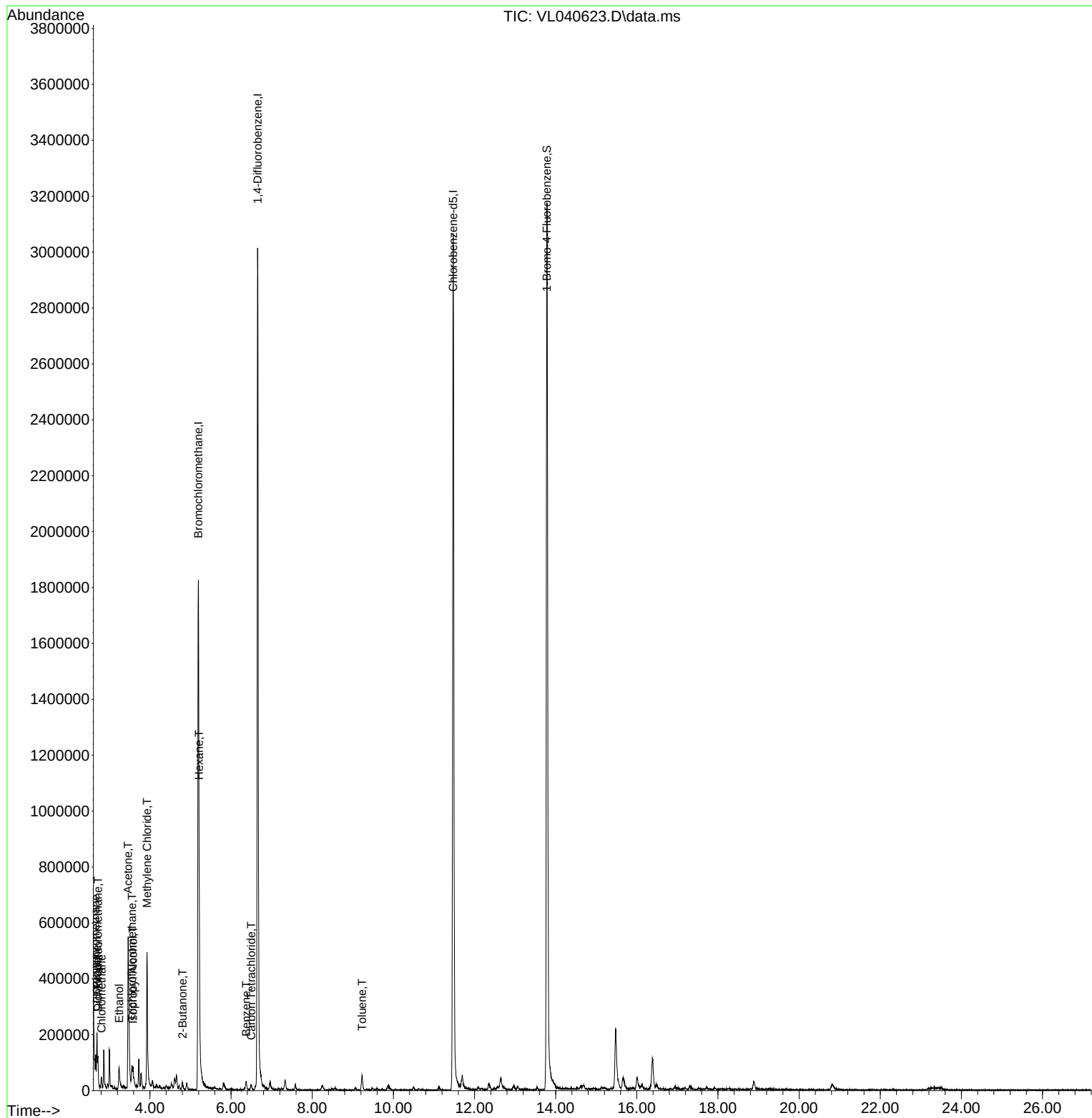
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
Data File : VL040623.D
Acq On : 10 Aug 2023 2:43
Operator : SY/MD
Sample : 03950-04
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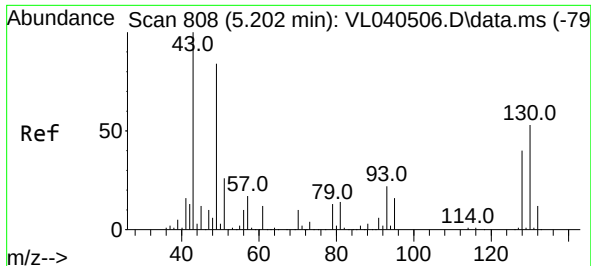
Instrument :
MSVOA_L
ClientSampleId :
IA2

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Supervised By :Mahesh Dadoda 08/10/2023

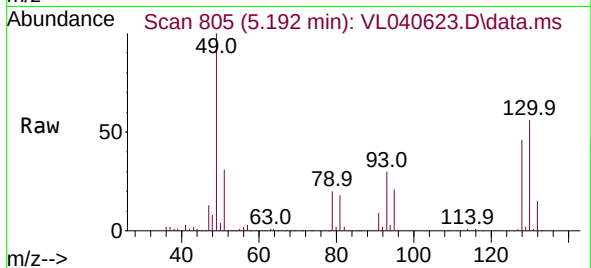
Quant Time: Aug 10 04:57:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

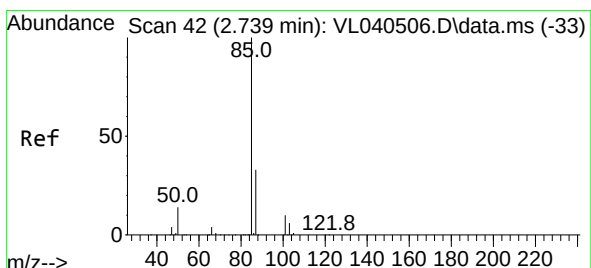
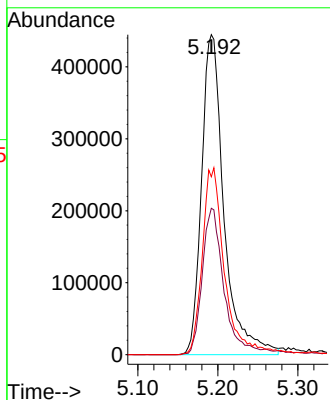
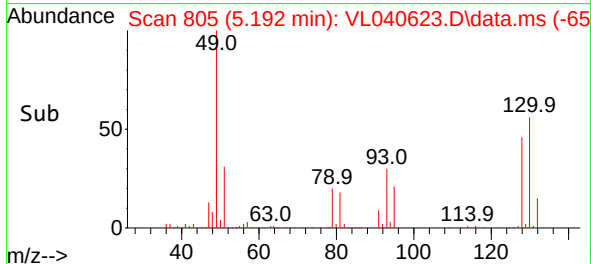
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 49 Resp: 866560
Ion Ratio Lower Upper
49 100
128 45.8 25.1 75.4
130 58.6 31.6 94.7

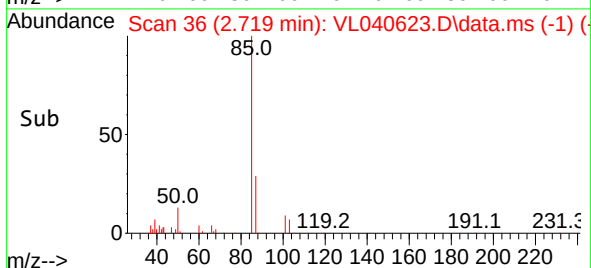
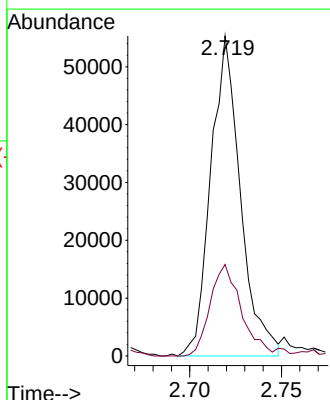
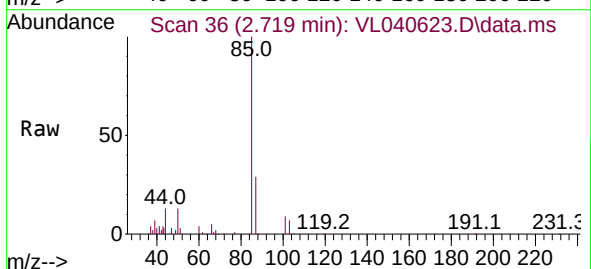
Manual Integrations
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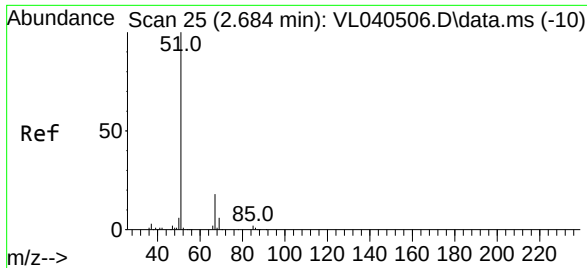
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#2
Dichlorodifluoromethane
Concen: 0.358 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.019 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

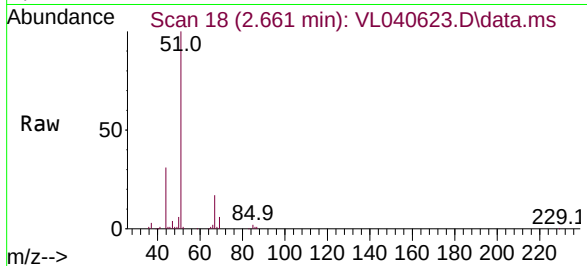
Tgt Ion: 85 Resp: 62092
Ion Ratio Lower Upper
85 100
87 28.6 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.624 ppbv
RT: 2.661 min Scan# 18
Delta R.T. -0.023 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

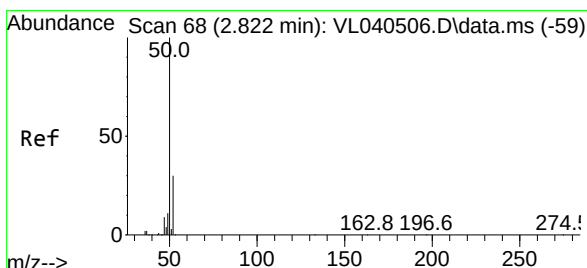
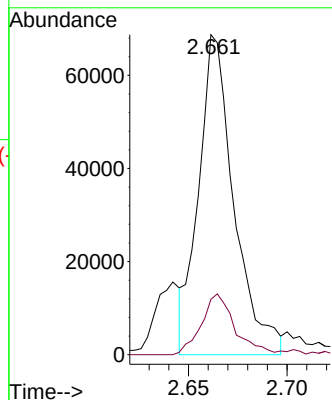
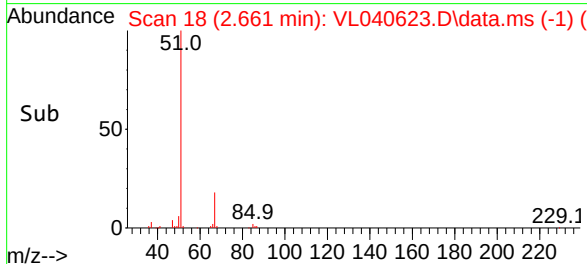
Instrument :
MSVOA_L
ClientSampleId :
IA2



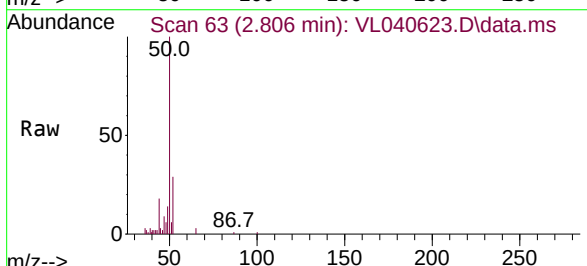
Tgt Ion: 51 Resp: 85719
Ion Ratio Lower Upper
51 100
67 19.4 14.6 21.8

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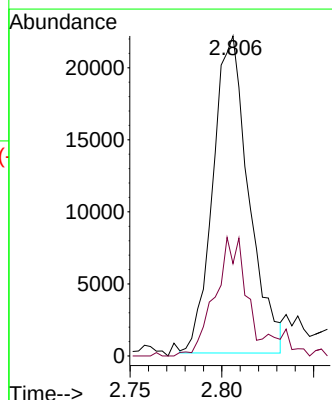
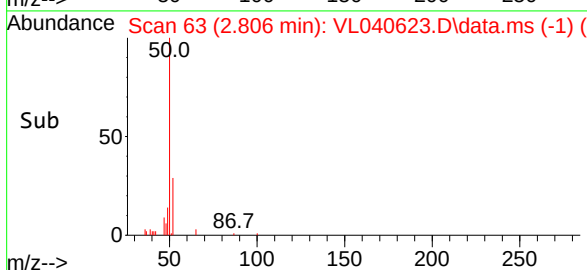
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

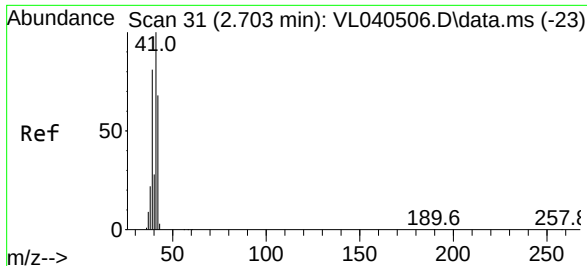


#4
Chloromethane
Concen: 0.549 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.016 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43



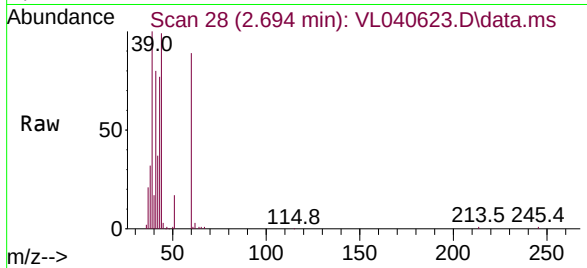
Tgt Ion: 50 Resp: 29877
Ion Ratio Lower Upper
50 100
52 28.5 24.4 36.6





#9
Propene
Concen: 0.811 ppbv
RT: 2.694 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

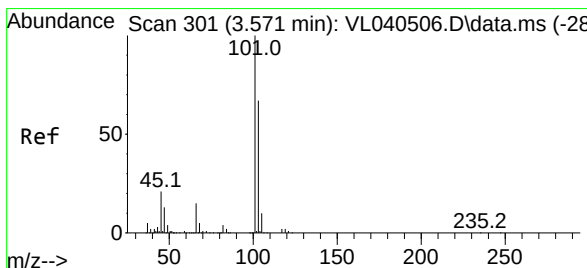
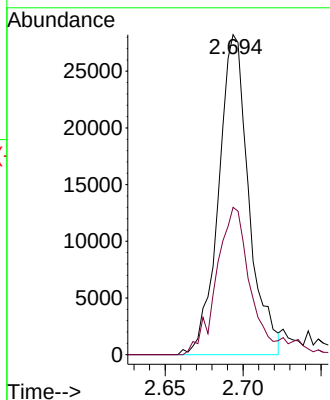
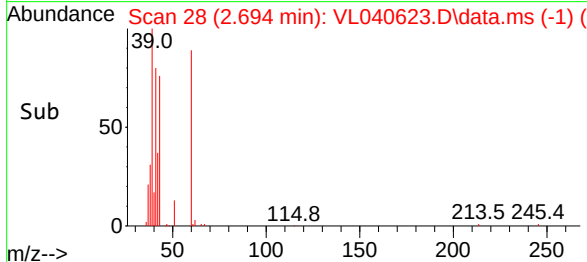
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 41 Resp: 3814
Ion Ratio Lower Upper
41 100
42 54.3 55.0 82.6

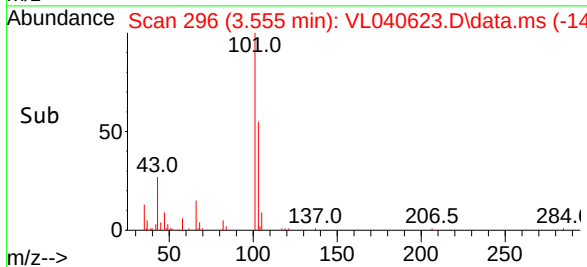
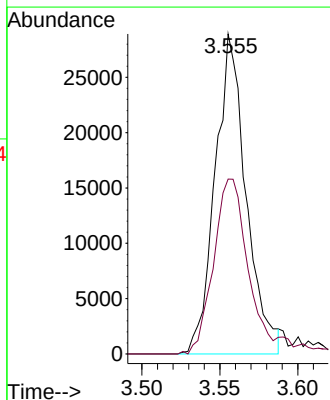
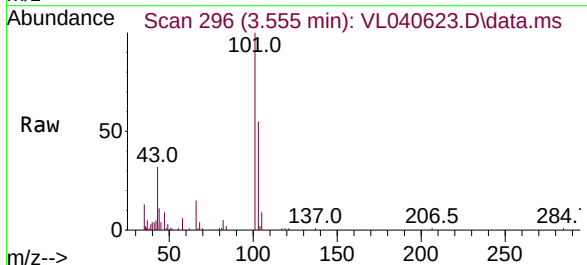
Manual Integrations
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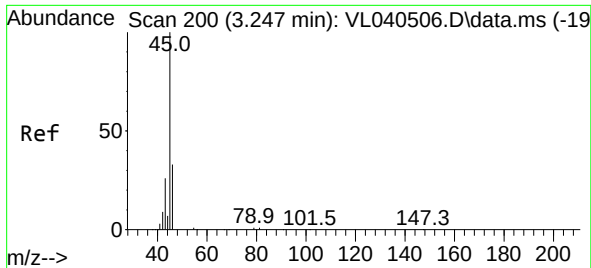
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#11
Trichlorofluoromethane
Concen: 0.285 ppbv
RT: 3.555 min Scan# 296
Delta R.T. -0.016 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

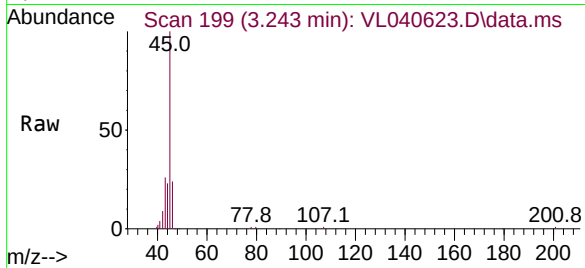
Tgt Ion:101 Resp: 39926
Ion Ratio Lower Upper
101 100
103 54.6 53.4 80.0





#13
Ethanol
Concen: 9.561 ppbv m
RT: 3.243 min Scan# 199
Delta R.T. -0.003 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

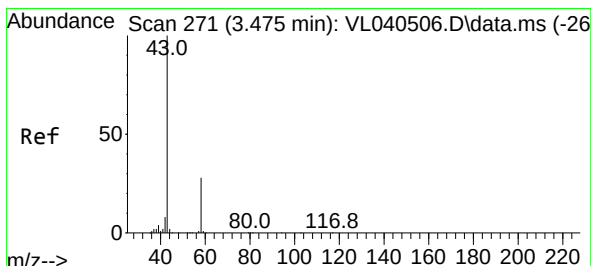
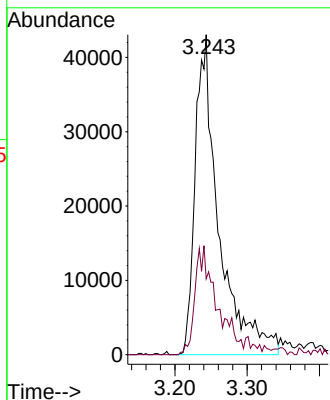
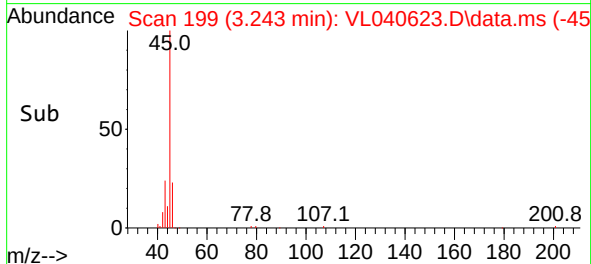
Instrument :
MSVOA_L
ClientSampleId :
IA2



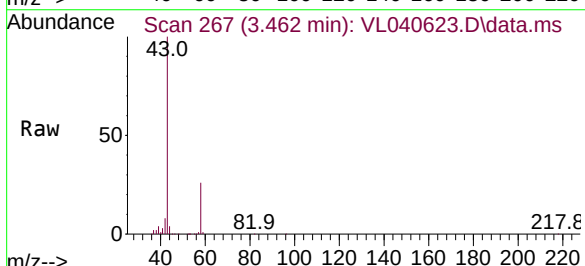
Tgt Ion: 45 Resp: 97814
Ion Ratio Lower Upper
45 100
46 34.1 15.3 61.1

Manual Integrations
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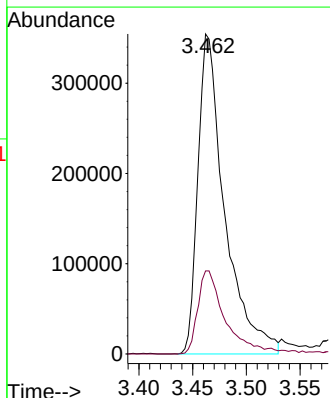
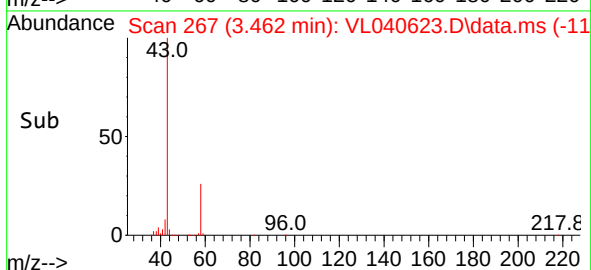
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

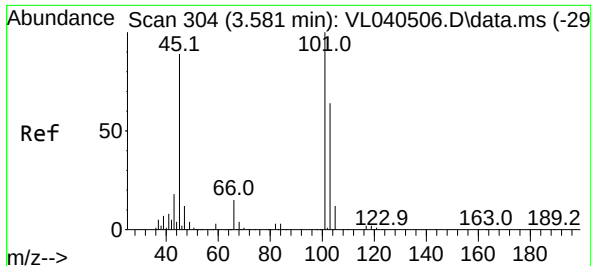


#15
Acetone
Concen: 6.162 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.013 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43



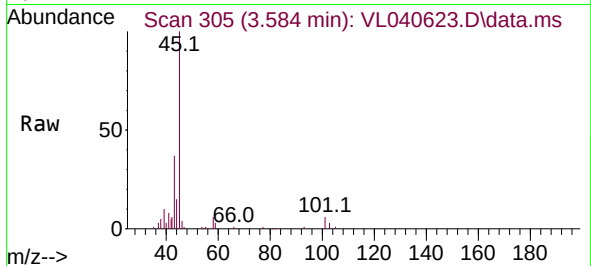
Tgt Ion: 43 Resp: 614656
Ion Ratio Lower Upper
43 100
58 27.0 22.9 34.3





#19
Isopropyl Alcohol
Concen: 1.213 ppbv m
RT: 3.584 min Scan# 304
Delta R.T. 0.003 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

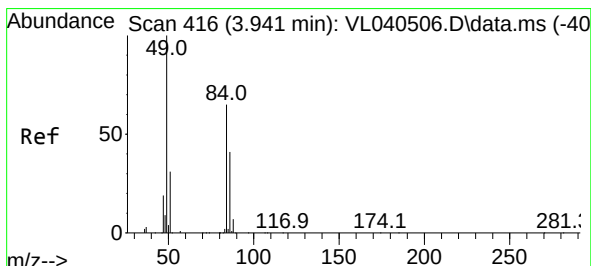
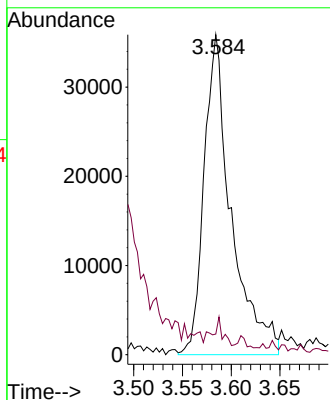
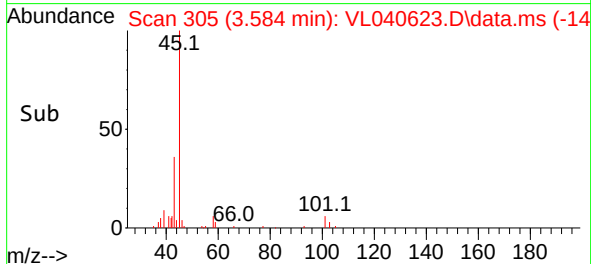
Instrument :
MSVOA_L
ClientSampleId :
IA2



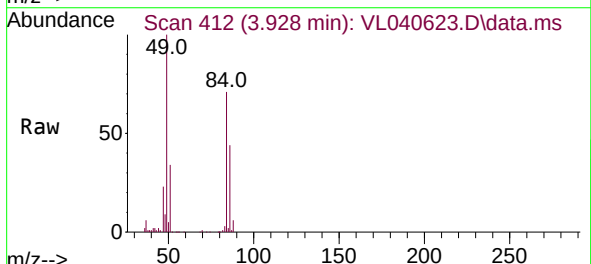
Tgt Ion: 45 Resp: 6944
Ion Ratio Lower Upper
45 100
58 9.4 1.1 1.7

Manual Integrations
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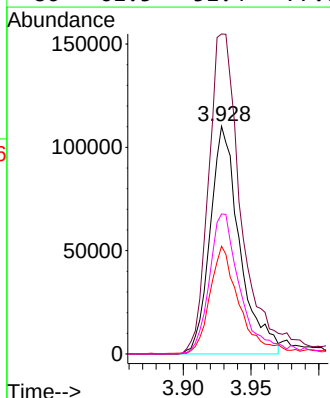
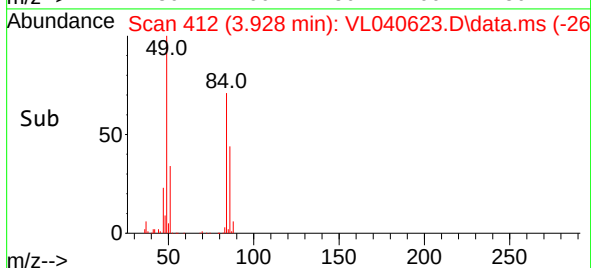
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

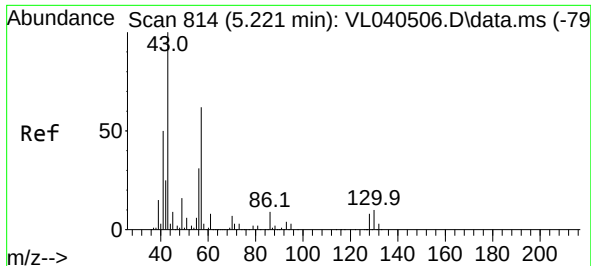


#20
Methylene Chloride
Concen: 3.944 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.013 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43



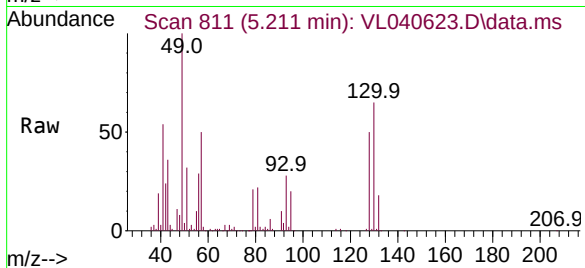
Tgt Ion: 84 Resp: 167353
Ion Ratio Lower Upper
84 100
49 140.6 123.4 185.2
51 47.0 38.3 57.5
86 61.5 51.4 77.0





#26
Hexane
Concen: 1.369 ppbv
RT: 5.211 min Scan# 814
Delta R.T. -0.010 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

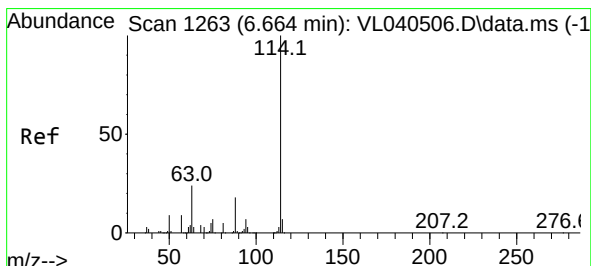
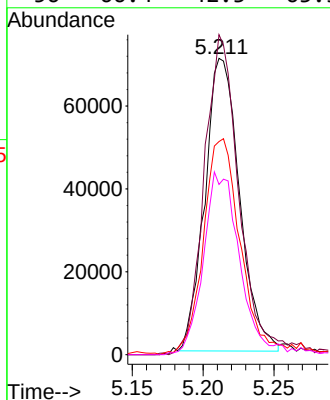
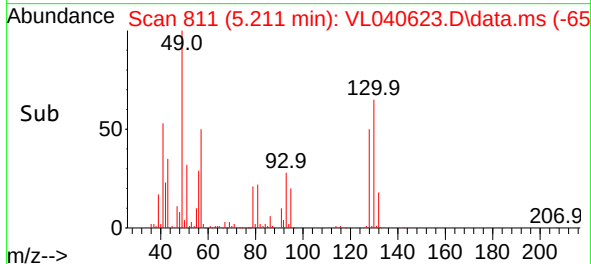
Instrument :
MSVOA_L
ClientSampleId :
IA2



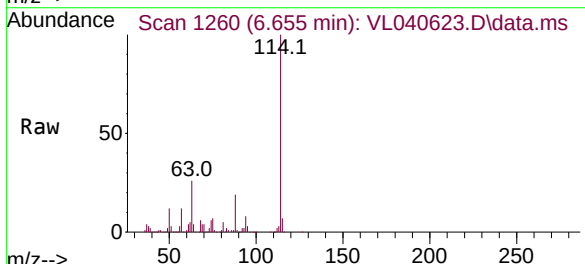
Tgt Ion: 57 Resp: 12079
Ion Ratio Lower Upper
57 100
41 112.0 69.5 104.3
43 78.7 177.1 265.7
56 66.4 42.3 63.5

Manual Integrations
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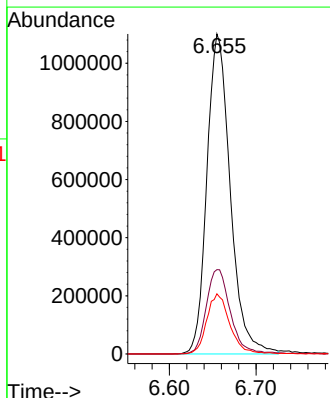
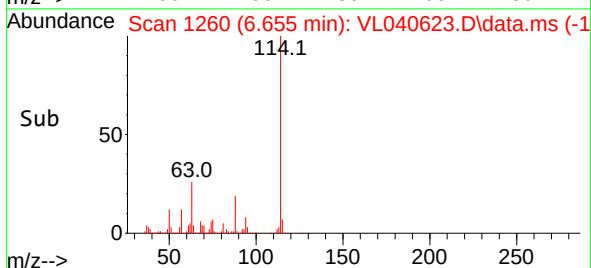
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

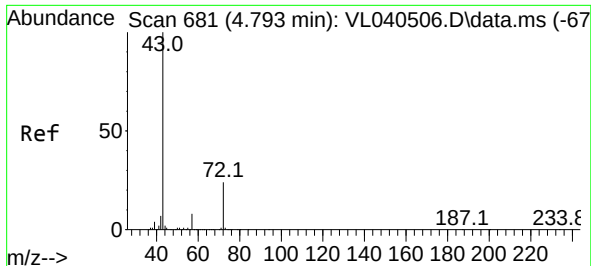


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.010 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43



Tgt Ion:114 Resp: 2062195
Ion Ratio Lower Upper
114 100
63 27.5 19.6 29.4
88 18.7 14.2 21.2





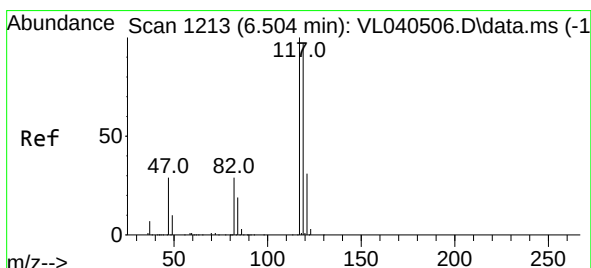
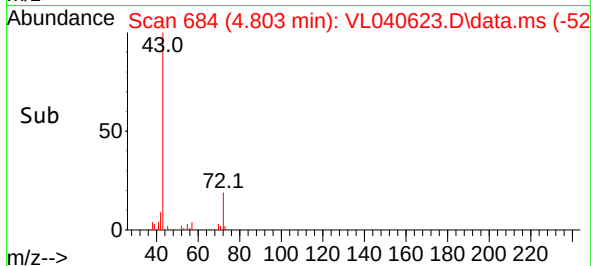
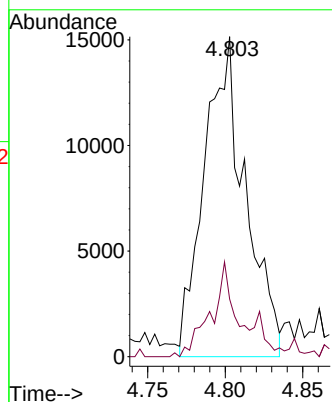
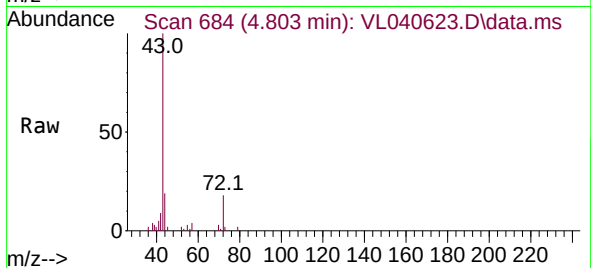
#34
2-Butanone
Concen: 0.273 ppbv m
RT: 4.803 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
72 22.5 19.1 28.7

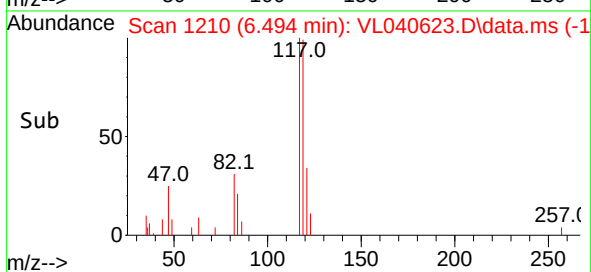
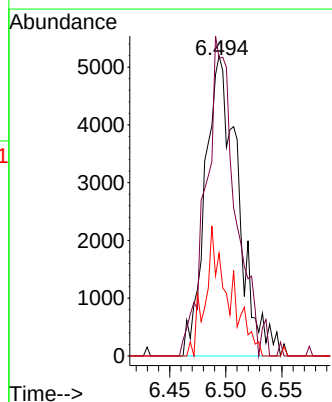
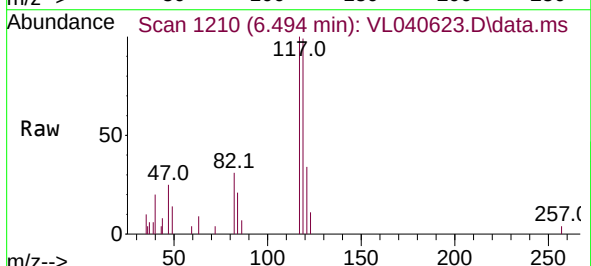
Manual Integrations
APPROVED

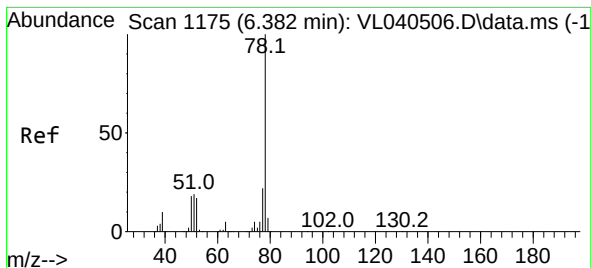
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#35
Carbon Tetrachloride
Concen: 0.085 ppbv m
RT: 6.494 min Scan# 1210
Delta R.T. -0.010 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

Tgt Ion:117 Resp: 10608
Ion Ratio Lower Upper
117 100
119 99.2 77.8 116.6
121 34.2 24.8 37.2





#36

Benzene

Concen: 0.130 ppbv

RT: 6.372 min Scan# 1175

Delta R.T. -0.010 min

Lab File: VL040623.D

Acq: 10 Aug 2023 2:43

Instrument :

MSVOA_L

ClientSampleId :

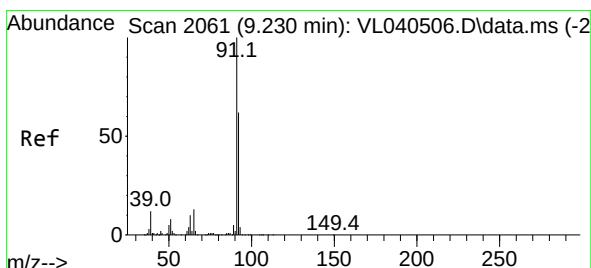
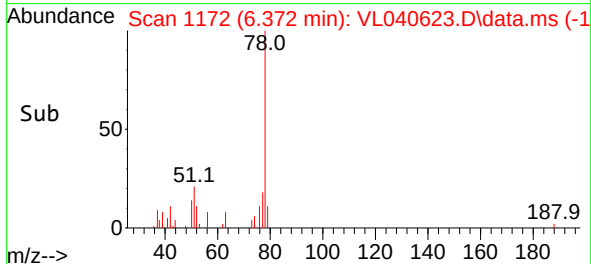
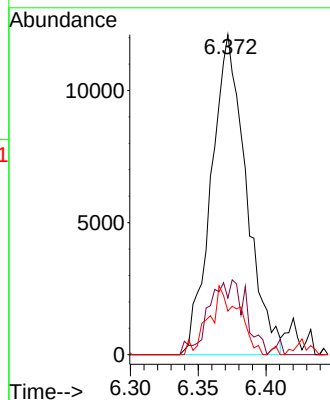
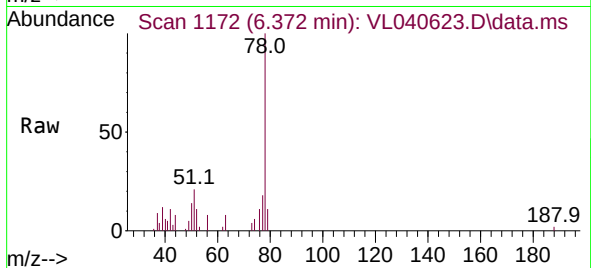
IA2

Tgt Ion: 78	Resp: 21640
Ion Ratio	Lower Upper
78 100	
77 17.7	17.4 26.0
50 13.6	14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#53

Toluene

Concen: 0.178 ppbv m

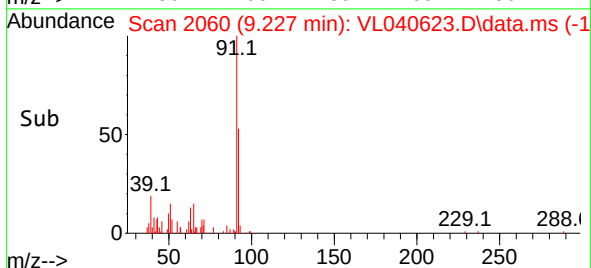
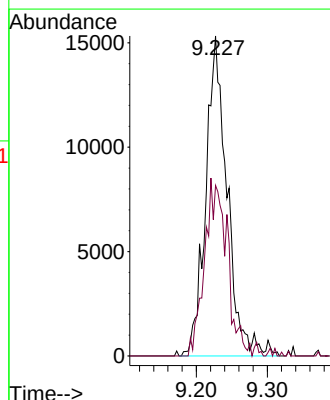
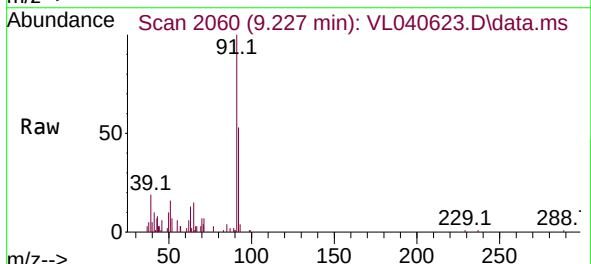
RT: 9.227 min Scan# 2060

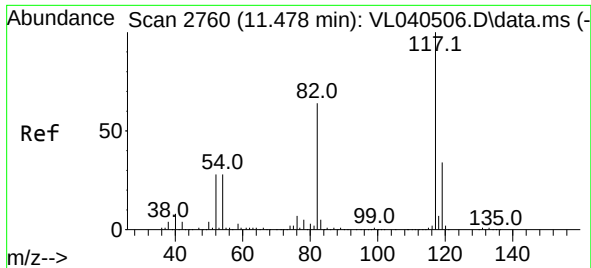
Delta R.T. -0.003 min

Lab File: VL040623.D

Acq: 10 Aug 2023 2:43

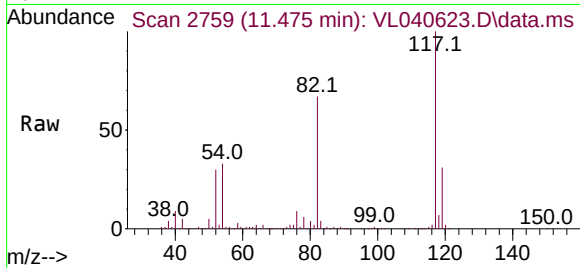
Tgt Ion: 91	Resp: 32126
Ion Ratio	Lower Upper
91 100	
92 59.8	49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

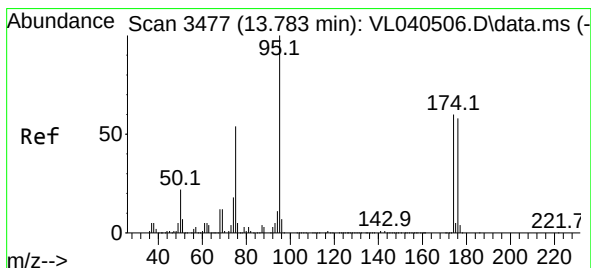
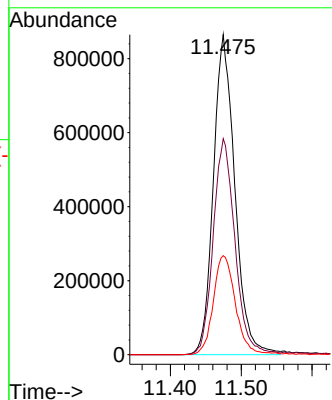
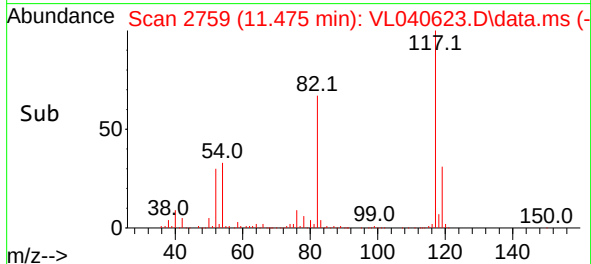
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 117 Resp: 182118
Ion Ratio Lower Upper
117 100
82 69.9 50.2 75.4
119 32.5 26.9 40.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.712 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040623.D
Acq: 10 Aug 2023 2:43

Tgt Ion: 95 Resp: 1543919
Ion Ratio Lower Upper
95 100
174 59.0 50.6 75.8
175 4.1 3.7 5.5

