

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041330.D
 Acq On : 5 Jun 2024 16:51
 Operator : SY/MD
 Sample : P2673-01DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INSIDE-LOC-3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2024
 Supervised By :Mahesh Dadoda 06/06/2024

Quant Time: Jun 06 04:40:58 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	898700	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2371042	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2169660	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1680501 10.032 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	16293m	0.114	ppbv	
4) Chloromethane	2.841	50	8791	0.164	ppbv	94
9) Propene	2.726	41	44796	0.886	ppbv	93
10) Heptane	7.594	43	17339m	0.145	ppbv	
13) Ethanol	3.269	45	141234m	10.732	ppbv	
15) Acetone	3.504	43	130387	1.271	ppbv #	75
19) Isopropyl Alcohol	3.613	45	18613m	0.289	ppbv	
20) Methylene Chloride	3.954	84	826473	22.160	ppbv	98
26) Hexane	5.230	57	1008819	11.051	ppbv #	41
30) Cyclohexane	6.619	84	11056m	0.149	ppbv	
34) 2-Butanone	4.825	43	13276m	0.117	ppbv	
36) Benzene	6.388	78	53728	0.292	ppbv	93
44) 2,2,4-Trimethylpentane	7.343	57	54126m	0.171	ppbv	
53) Toluene	9.233	91	151848	0.718	ppbv	100
58) Ethyl Benzene	12.101	91	34526	0.124	ppbv	89
59) m/p-Xylene	12.359	91	111455m	0.468	ppbv	
60) o-Xylene	13.063	91	39210m	0.173	ppbv	
74) 1,2,4-Trimethylbenzene	16.127	105	31994m	0.123	ppbv	

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

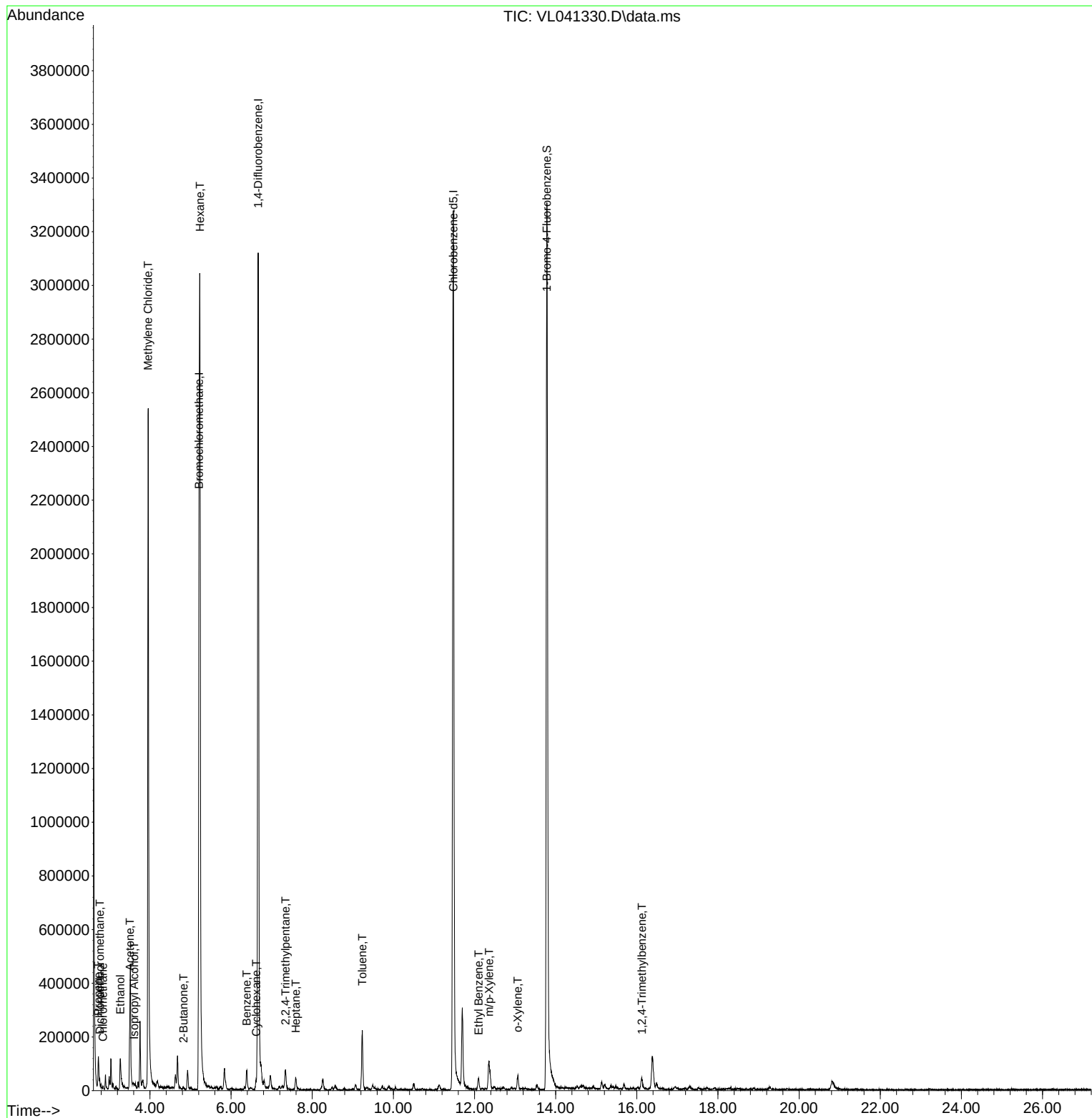
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
Data File : VL041330.D
Acq On : 5 Jun 2024 16:51
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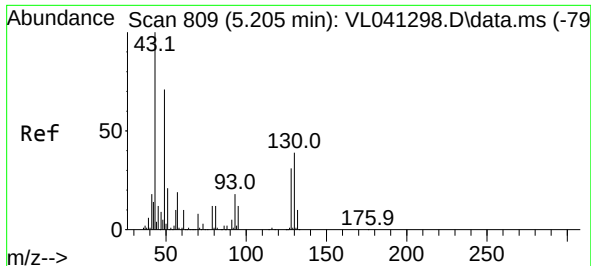
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL

Quant Time: Jun 06 04:40:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 05 04:42:10 2024
Response via : Initial Calibration

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APPROVED

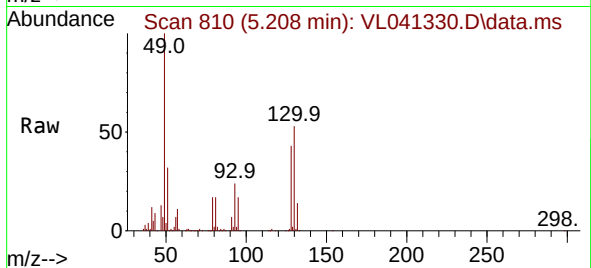
Reviewed By : Semsettin Yesilyurt 06/06/2024
Supervised By : Mahesh Dadoda 06/06/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

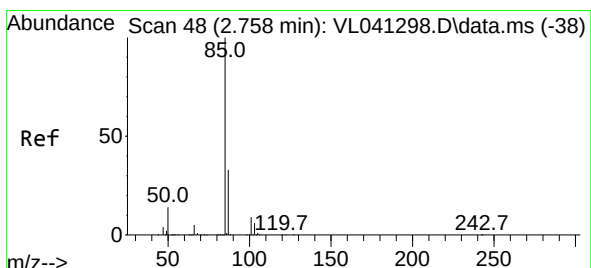
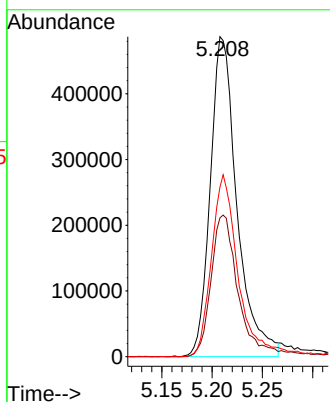
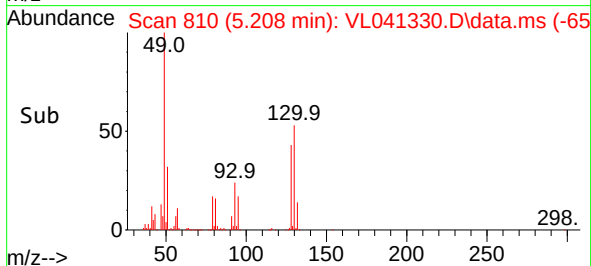
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL



Tgt Ion: 49 Resp: 898700
Ion Ratio Lower Upper
49 100
128 46.9 22.8 68.3
130 59.0 28.4 85.3

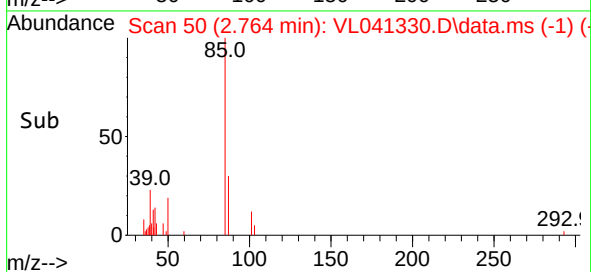
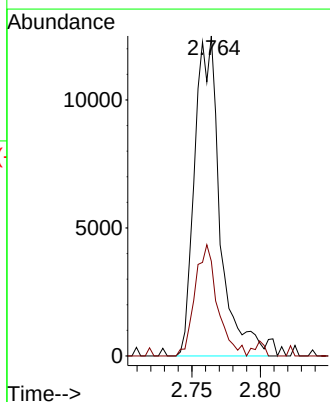
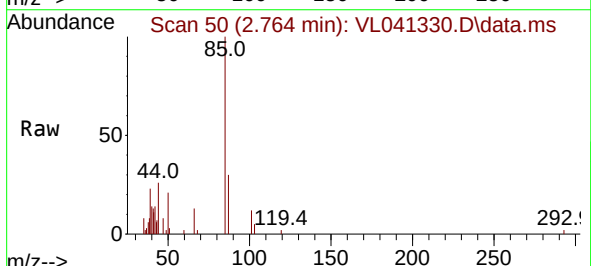
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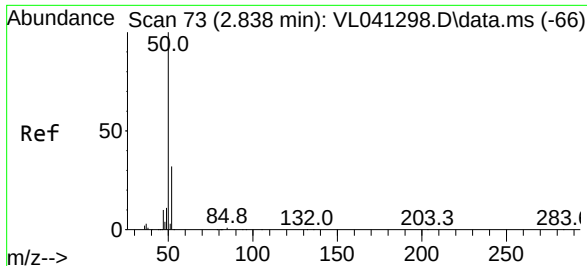
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#2
Dichlorodifluoromethane
Concen: 0.114 ppbv m
RT: 2.764 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

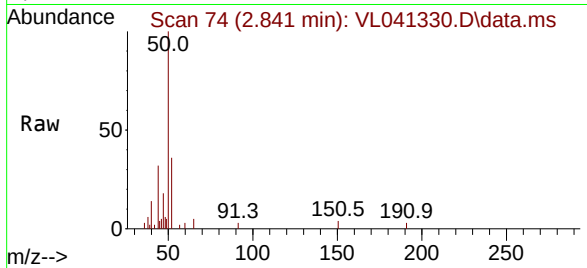
Tgt Ion: 85 Resp: 16293
Ion Ratio Lower Upper
85 100
87 29.6 26.5 39.7





#4
Chloromethane
Concen: 0.164 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.003 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

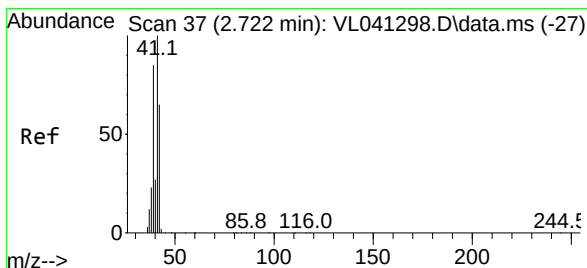
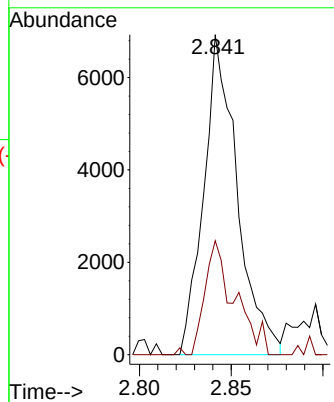
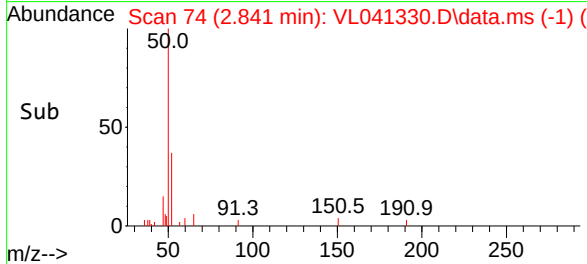
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL



Tgt Ion: 50 Resp: 879
Ion Ratio Lower Upper
50 100
52 35.6 25.6 38.4

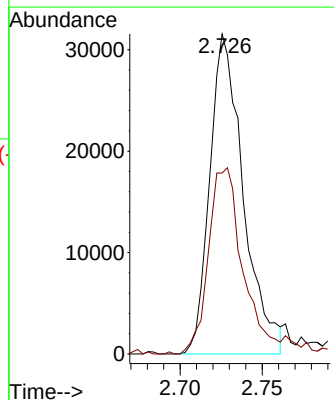
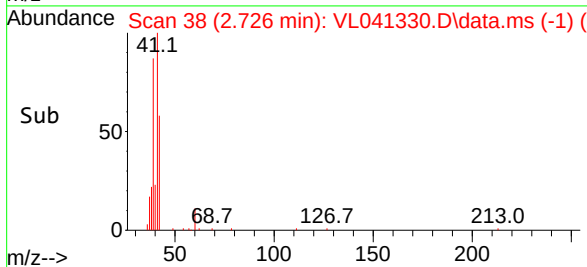
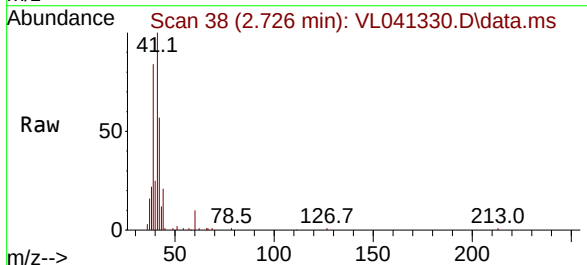
Manual Integrations
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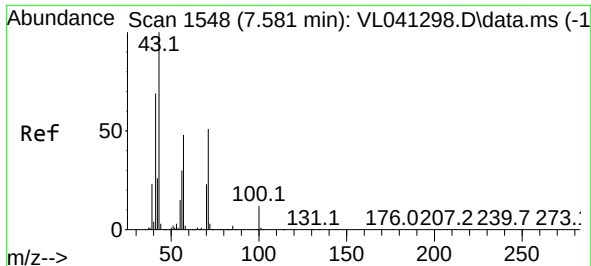
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#9
Propene
Concen: 0.886 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.003 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

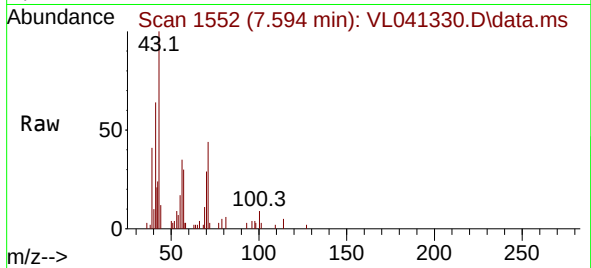
Tgt Ion: 41 Resp: 44796
Ion Ratio Lower Upper
41 100
42 62.9 55.2 82.8





#10
Heptane
Concen: 0.145 ppbv m
RT: 7.594 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

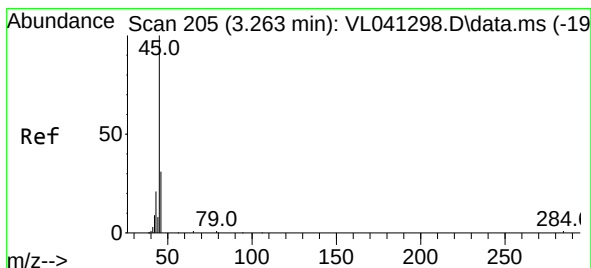
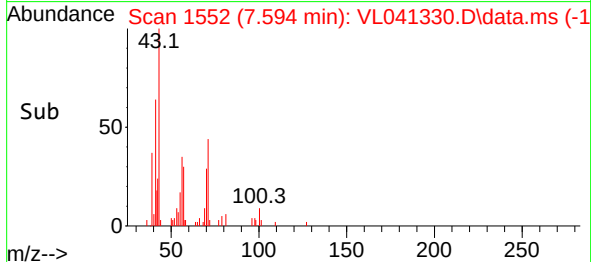
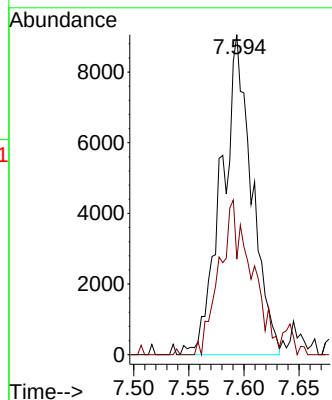
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL



Tgt Ion: 43 Resp: 17339
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.4

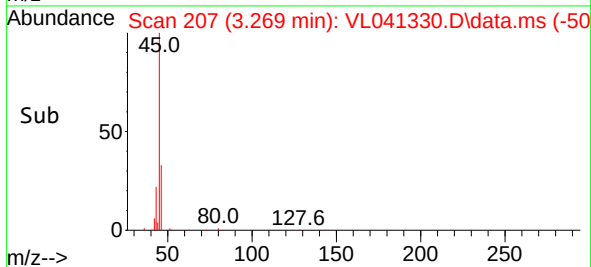
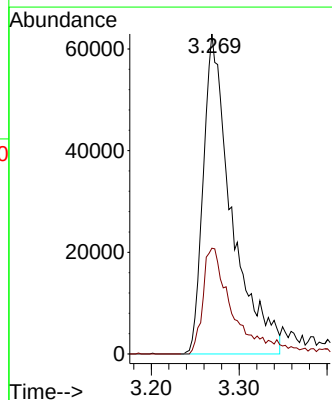
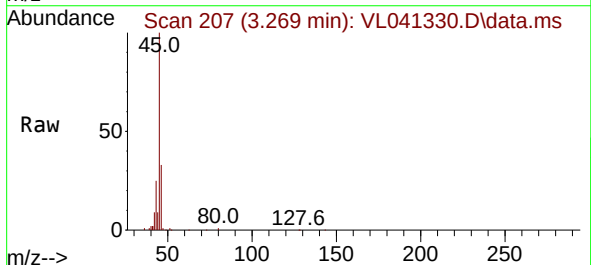
Manual Integrations
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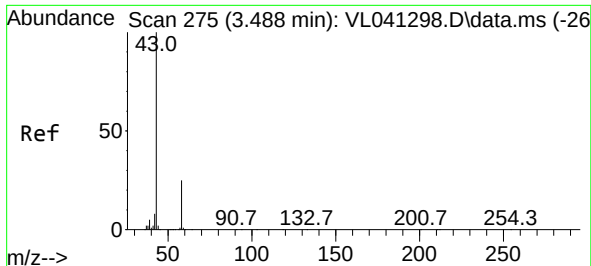
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#13
Ethanol
Concen: 10.732 ppbv m
RT: 3.269 min Scan# 207
Delta R.T. 0.006 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

Tgt Ion: 45 Resp: 141234
Ion Ratio Lower Upper
45 100
46 36.4 14.2 56.6





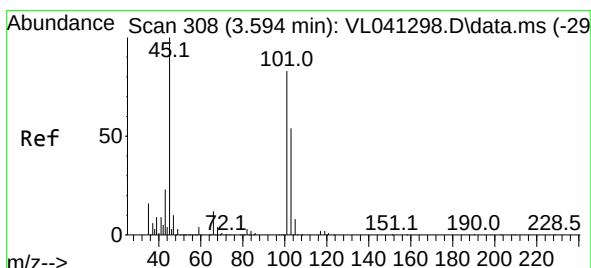
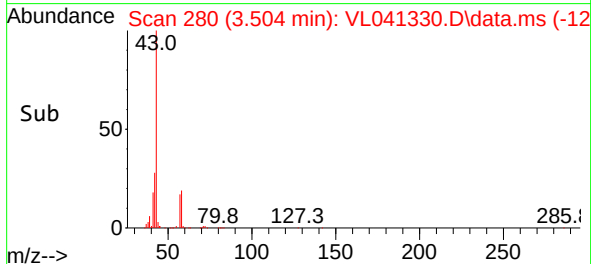
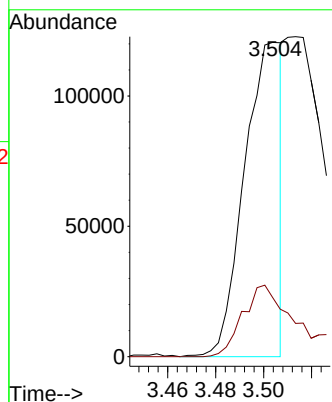
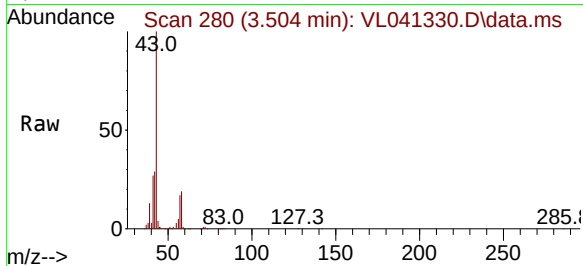
#15
Acetone
Concen: 1.271 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL

Tgt Ion: 43 Resp: 13038
Ion Ratio Lower Upper
43 100
58 38.7 20.6 31.0

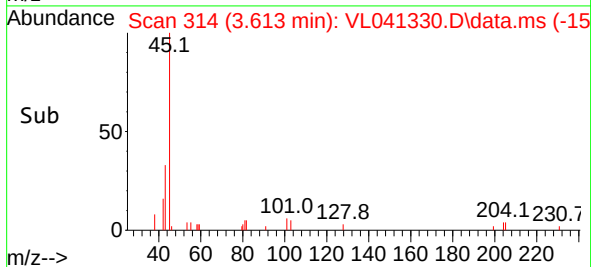
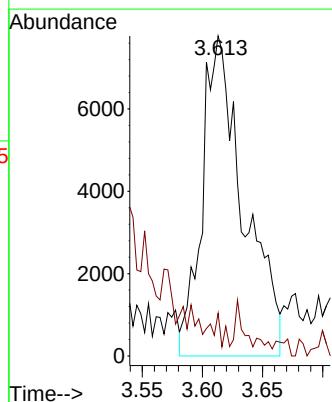
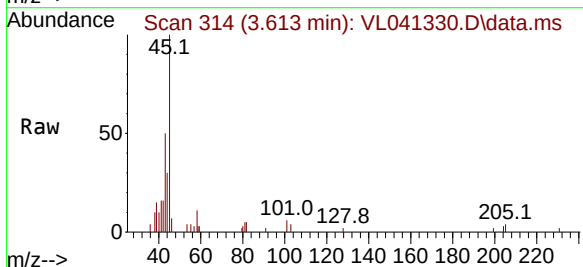
Manual Integrations
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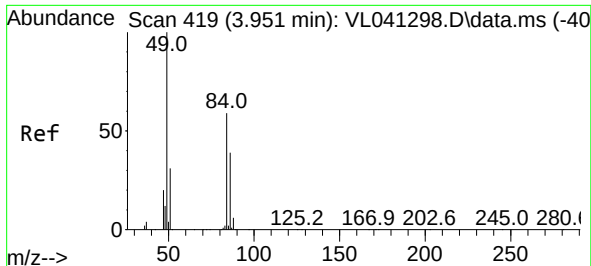
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#19
Isopropyl Alcohol
Concen: 0.289 ppbv m
RT: 3.613 min Scan# 314
Delta R.T. 0.019 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

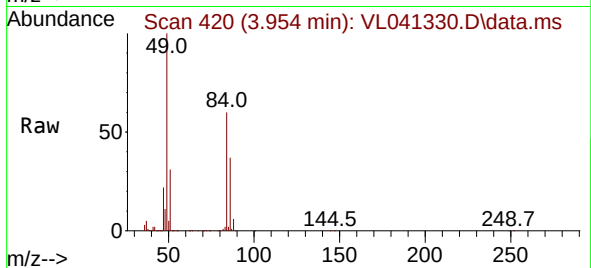
Tgt Ion: 45 Resp: 18613
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2





#20
Methylene Chloride
Concen: 22.160 ppbv
RT: 3.954 min Scan# 419
Delta R.T. 0.003 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

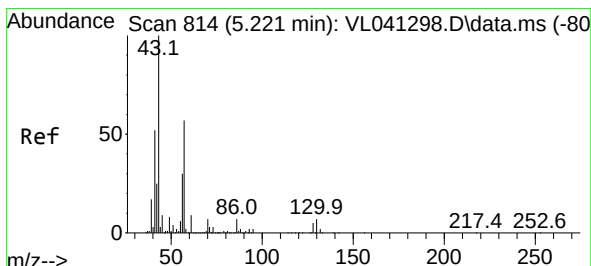
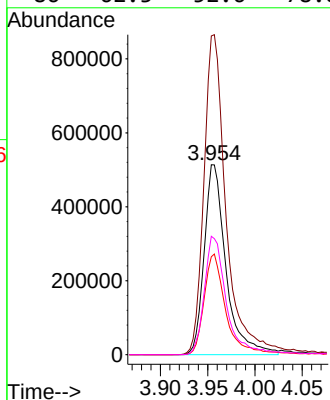
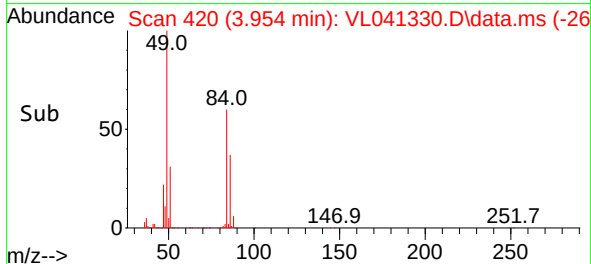
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL



Tgt Ion: 84 Resp: 826473
Ion Ratio Lower Upper
84 100
49 167.8 136.2 204.2
51 51.4 41.9 62.9
86 62.3 52.6 78.8

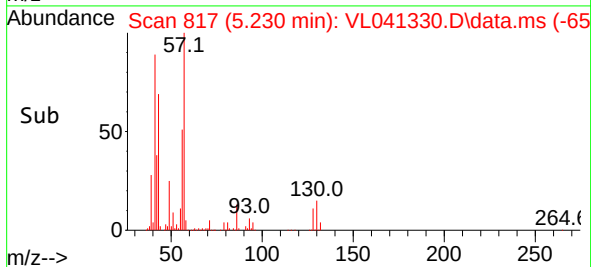
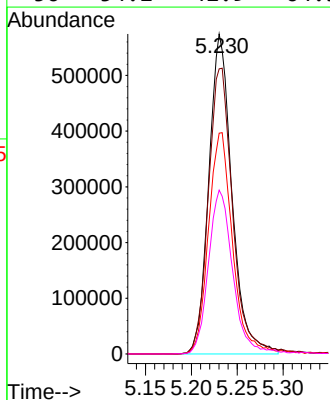
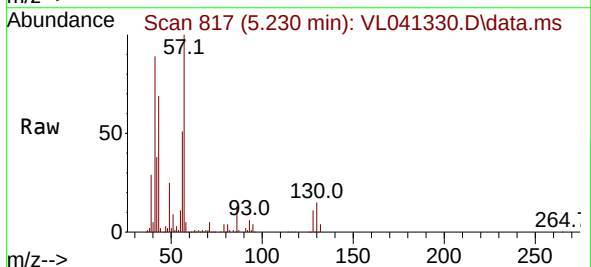
Manual Integrations
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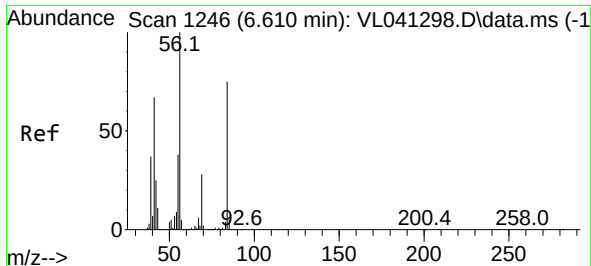
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#26
Hexane
Concen: 11.051 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.010 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

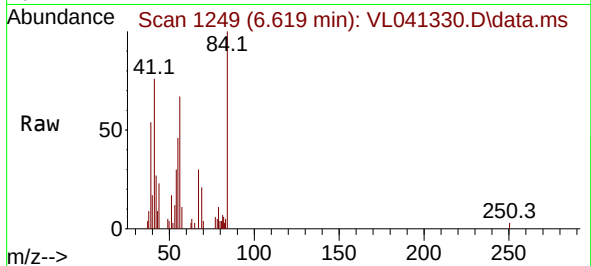
Tgt Ion: 57 Resp: 1008819
Ion Ratio Lower Upper
57 100
41 95.4 77.1 115.7
43 72.4 186.1 279.1#
56 54.2 42.9 64.3





#30
Cyclohexane
Concen: 0.149 ppbv m
RT: 6.619 min Scan# 1246
Delta R.T. 0.010 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

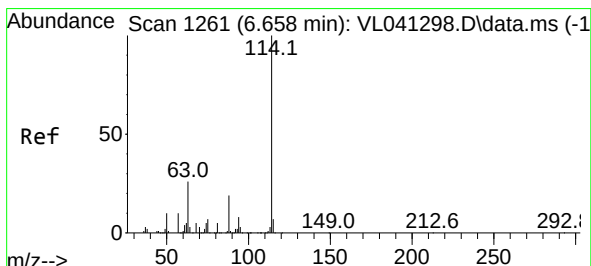
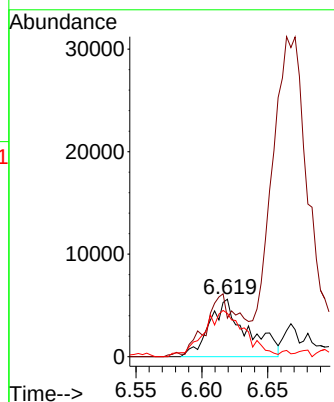
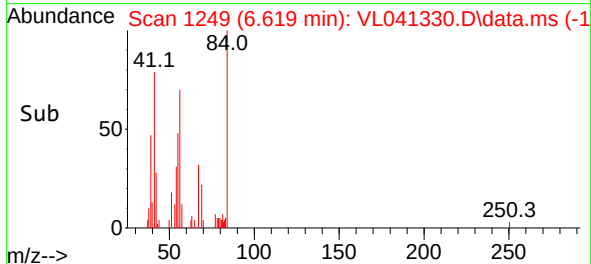
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL



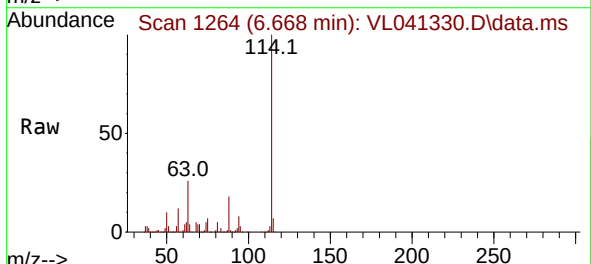
Tgt Ion: 84 Resp: 11050
Ion Ratio Lower Upper
84 100
56 0.0 114.9 172.3
41 0.0 74.4 111.6

Manual Integrations
APPROVED

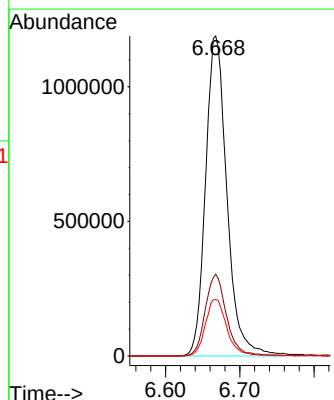
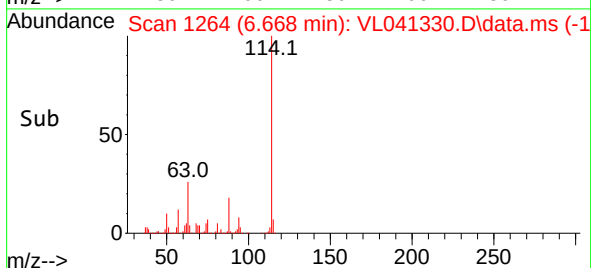
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

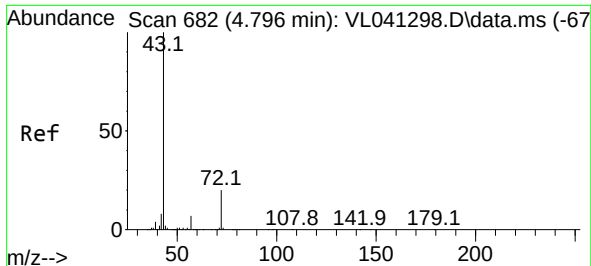


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51



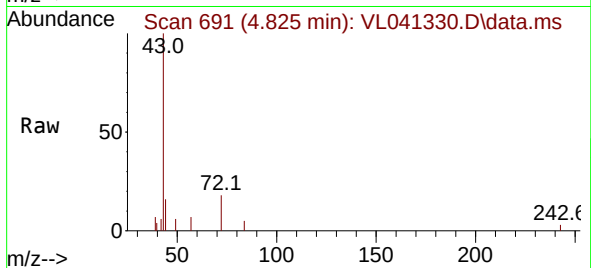
Tgt Ion:114 Resp: 2371042
Ion Ratio Lower Upper
114 100
63 25.5 20.6 30.8
88 18.0 14.5 21.7





#34
2-Butanone
Concen: 0.117 ppbv m
RT: 4.825 min Scan# 691
Delta R.T. 0.029 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

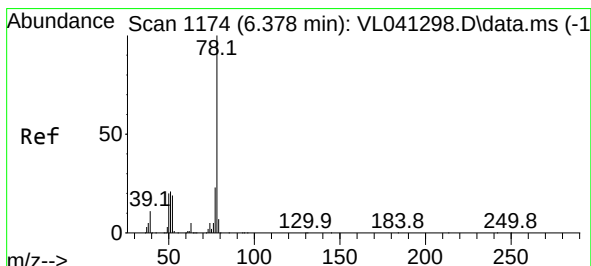
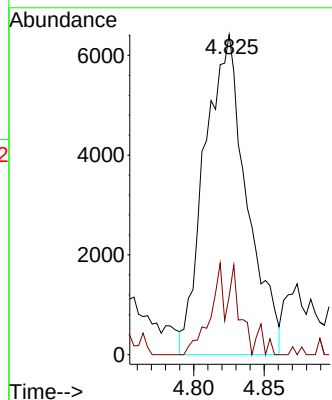
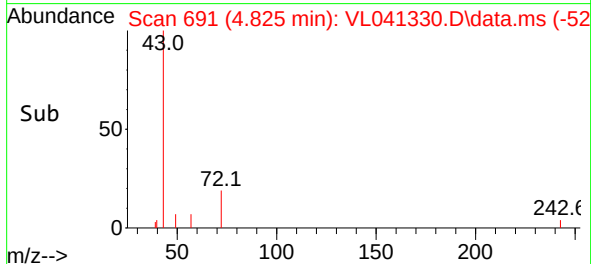
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL



Tgt Ion: 43 Resp: 13270
Ion Ratio Lower Upper
43 100
72 17.9 17.4 26.0

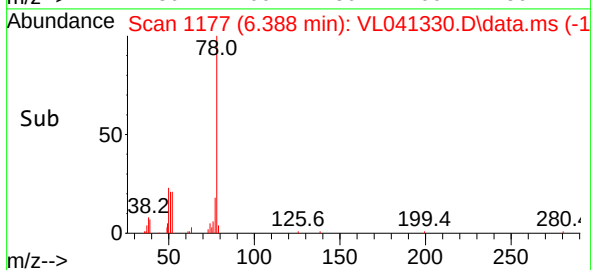
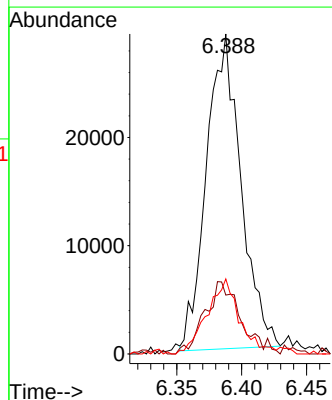
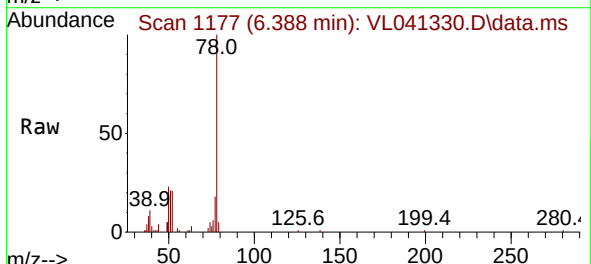
Manual Integrations
APPROVED

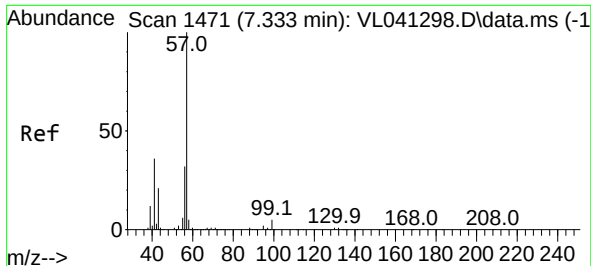
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#36
Benzene
Concen: 0.292 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.010 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

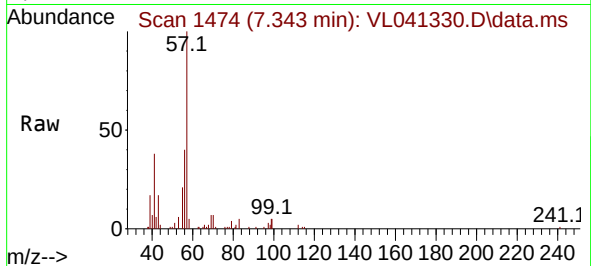
Tgt Ion: 78 Resp: 53728
Ion Ratio Lower Upper
78 100
77 18.9 18.6 28.0
50 21.9 16.0 24.0





#44
2,2,4-Trimethylpentane
Concen: 0.171 ppbv m
RT: 7.343 min Scan# 1471
Delta R.T. 0.010 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

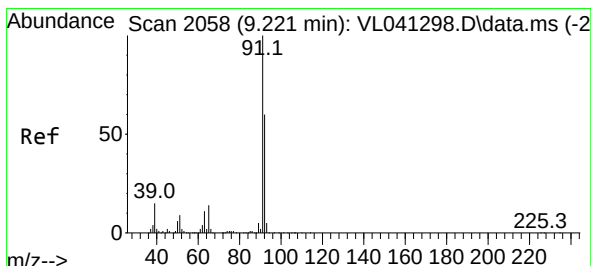
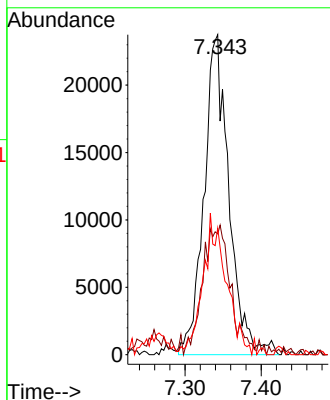
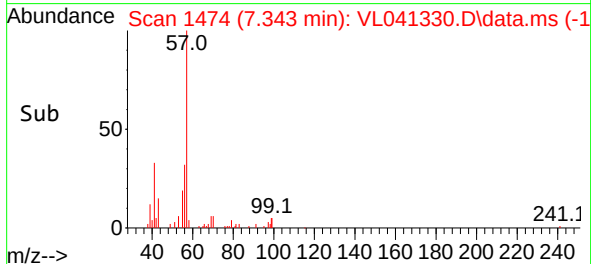
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL



Tgt Ion: 57 Resp: 54120
Ion Ratio Lower Upper
57 100
41 48.0 29.4 44.2
56 0.0 25.0 37.4

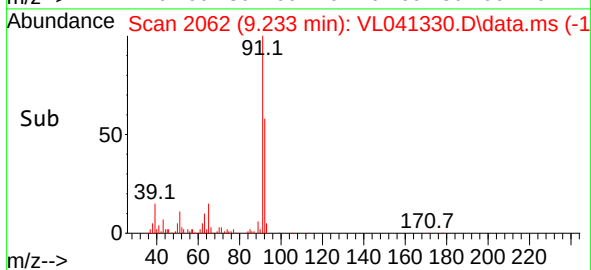
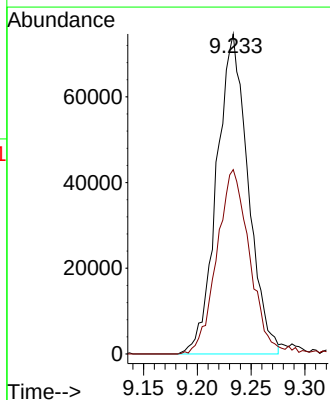
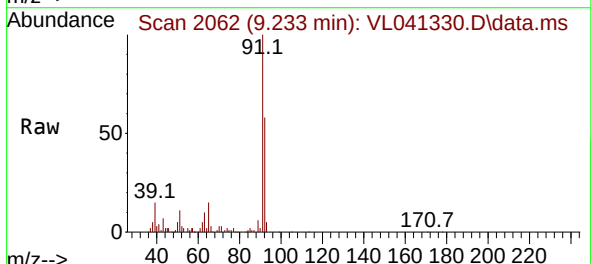
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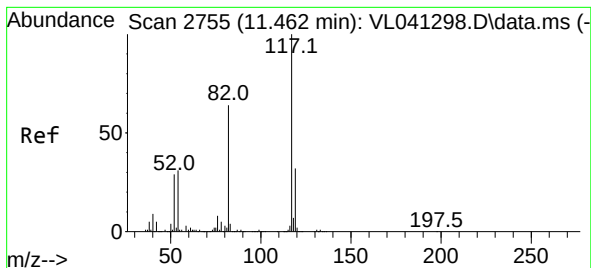
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#53
Toluene
Concen: 0.718 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.013 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

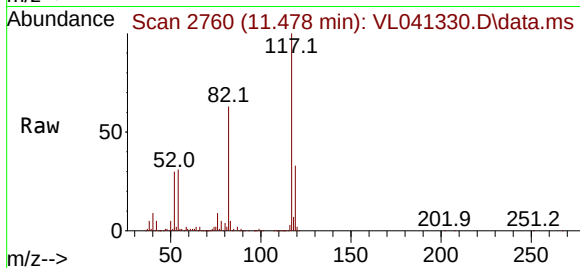
Tgt Ion: 91 Resp: 151848
Ion Ratio Lower Upper
91 100
92 61.2 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

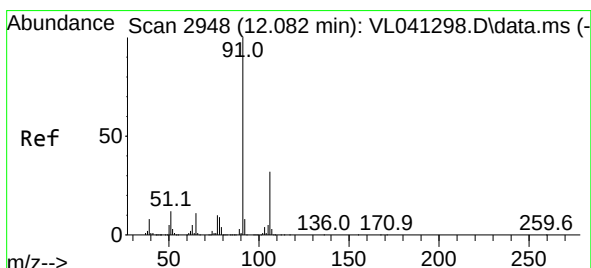
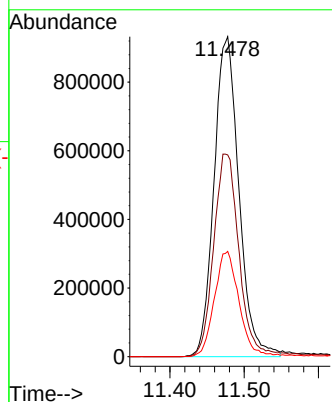
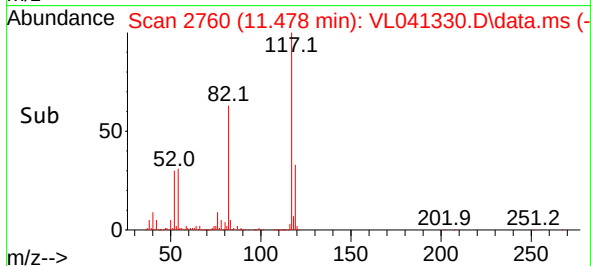
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL



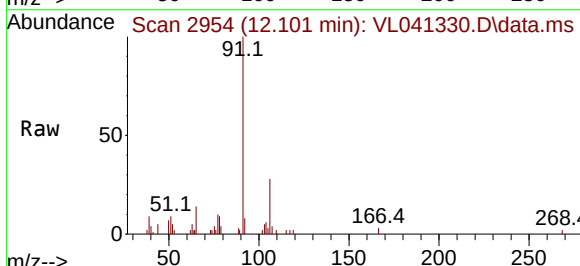
Tgt Ion: 117 Resp: 216966
Ion Ratio Lower Upper
117 100
82 66.0 52.3 78.5
119 33.3 26.2 39.2

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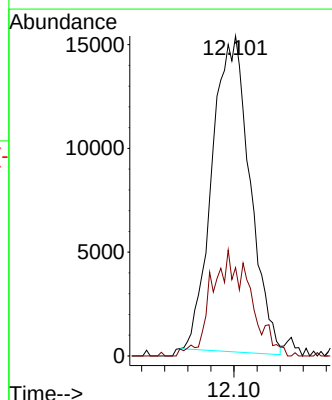
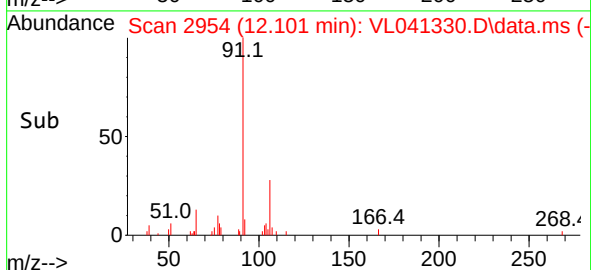
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

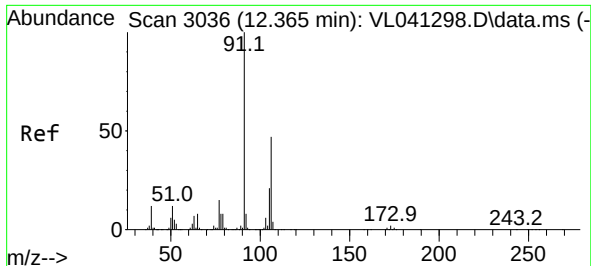


#58
Ethyl Benzene
Concen: 0.124 ppbv
RT: 12.101 min Scan# 2954
Delta R.T. 0.019 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51



Tgt Ion: 91 Resp: 34526
Ion Ratio Lower Upper
91 100
106 26.0 25.5 38.3





#59

m/p-Xylene

Concen: 0.468 ppbv m

RT: 12.359 min Scan# 3034

Delta R.T. -0.007 min

Lab File: VL041330.D

Acq: 5 Jun 2024 16:51

Instrument :

MSVOA_L

ClientSampleId :

INSIDE-LOC-3DL

Tgt Ion: 91 Resp: 11145

Ion Ratio Lower Upper

91 100

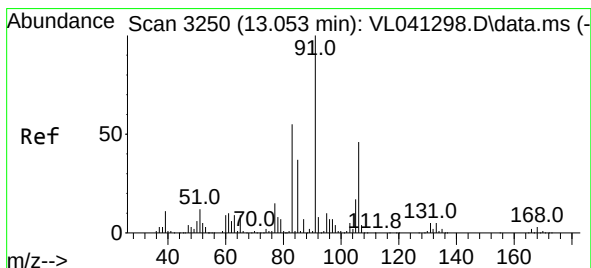
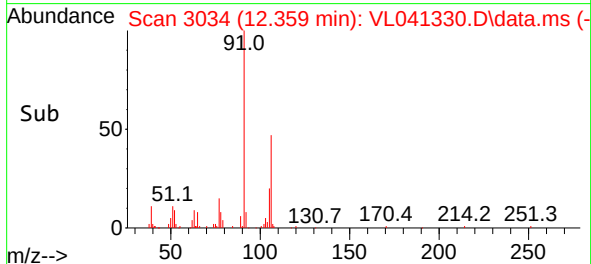
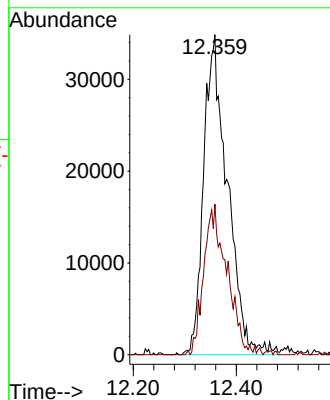
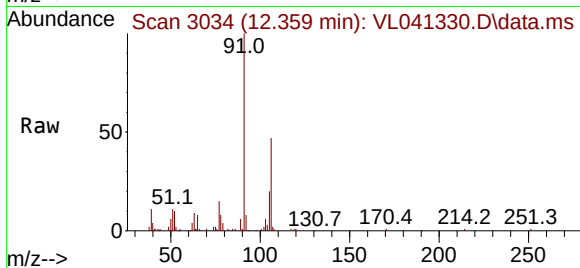
106 0.0 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2024

Supervised By :Mahesh Dadoda 06/06/2024



#60

o-Xylene

Concen: 0.173 ppbv m

RT: 13.063 min Scan# 3253

Delta R.T. 0.010 min

Lab File: VL041330.D

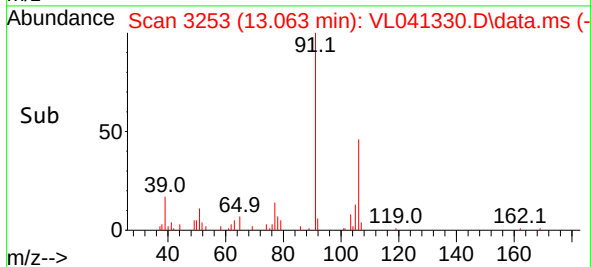
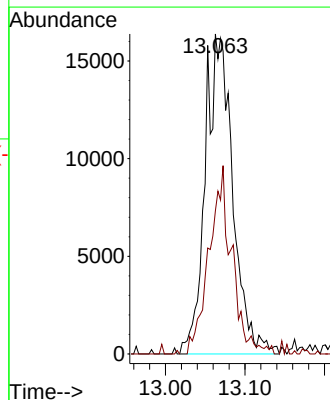
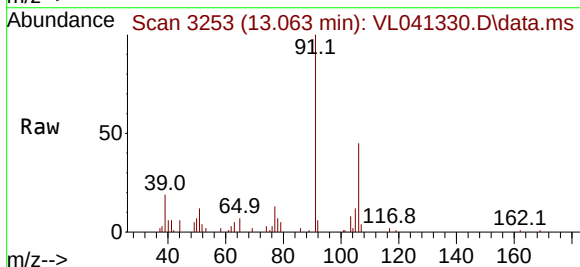
Acq: 5 Jun 2024 16:51

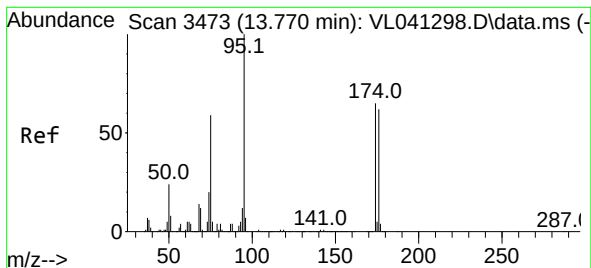
Tgt Ion: 91 Resp: 39210

Ion Ratio Lower Upper

91 100

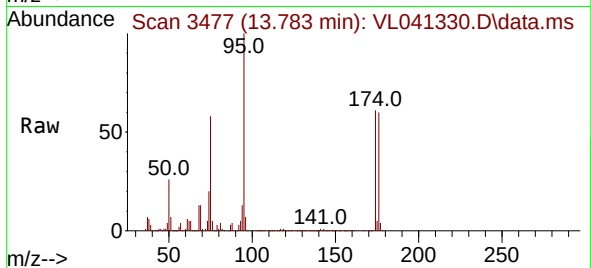
106 49.1 22.8 68.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.032 ppbv
RT: 13.783 min Scan# 3473
Delta R.T. 0.013 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51

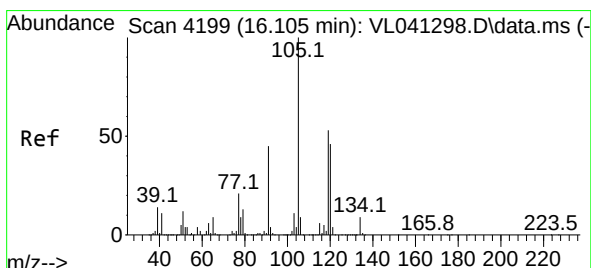
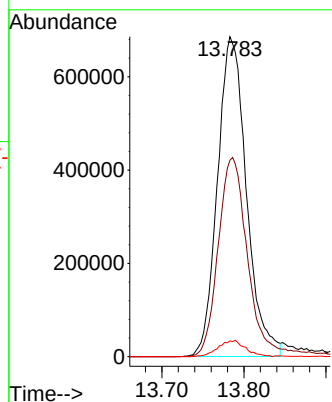
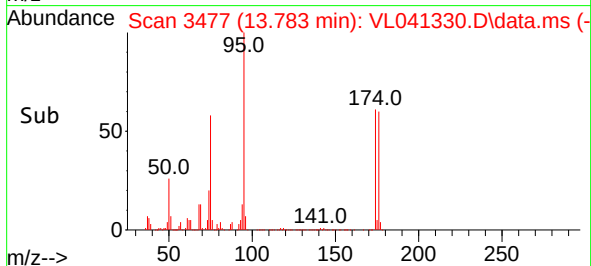
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3DL



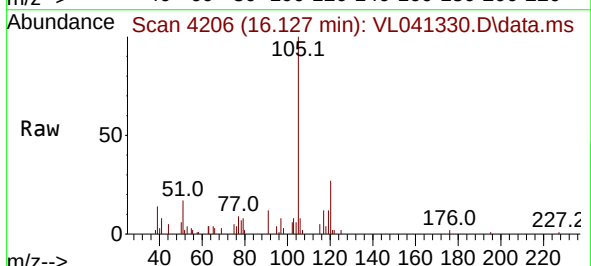
Tgt Ion: 95 Resp: 168050
Ion Ratio Lower Upper
95 100
174 64.8 52.2 78.2
175 5.0 4.1 6.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.123 ppbv m
RT: 16.127 min Scan# 4206
Delta R.T. 0.022 min
Lab File: VL041330.D
Acq: 5 Jun 2024 16:51



Tgt Ion:105 Resp: 31994
Ion Ratio Lower Upper
105 100
120 26.9 37.0 55.6#
91 11.6 36.2 54.4#
77 9.2 16.6 24.8#

