

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041714.D
 Acq On : 21 Nov 2024 14:12
 Operator : SY/MD
 Sample : P4633-01DL 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Nov 22 01:07:51 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		5.230	49	1043249	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.690	114	2930669	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.504	117	2692925	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.812	95	2181457	10.994	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 109.900%	
Target Compounds							
							Qvalue
7) Chloroethane		3.237	64	610346m	25.821	ppbv	
10) Heptane		7.619	43	1604286	12.088	ppbv	99
18) 1,1-Dichloroethene		3.919	96	514801	9.832	ppbv	97
35) Carbon Tetrachloride		6.533	117	2096970	13.562	ppbv	98
42) Bromodichloromethane		7.288	83	1571344	9.230	ppbv	99
53) Toluene		9.259	91	4863423	21.298	ppbv	99
59) m/p-Xylene		12.413	91	5865203	22.185	ppbv	95
60) o-Xylene		13.095	91	4483154	17.783	ppbv	100
77) 1,2-Dichlorobenzene		17.179	146	2731245	14.901	ppbv	100
81) 1,2,4-Trichlorobenzene		21.182	180	1359517	11.723	ppbv	99

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

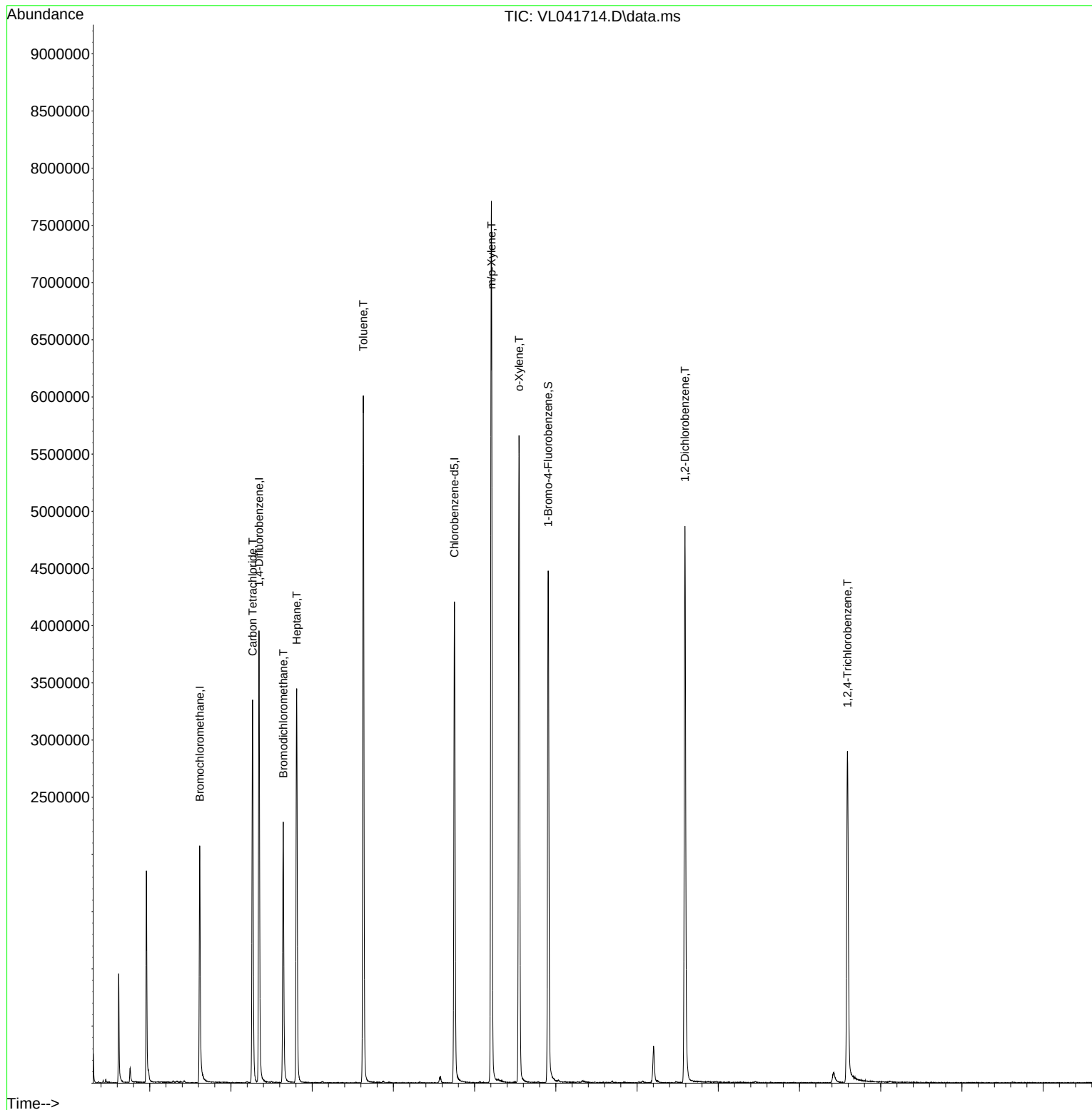
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
Data File : VL041714.D
Acq On : 21 Nov 2024 14:12
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

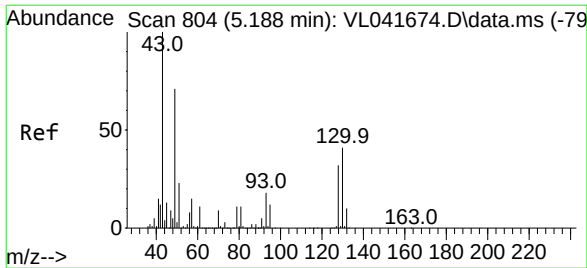
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

Quant Time: Nov 22 01:07:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 22 01:00:55 2024
Response via : Initial Calibration

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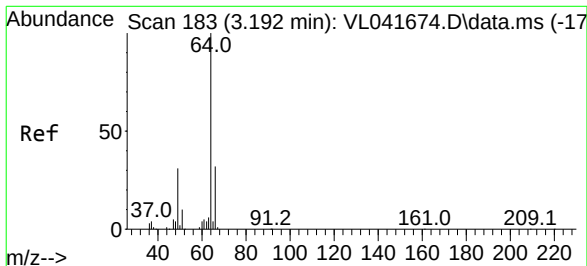
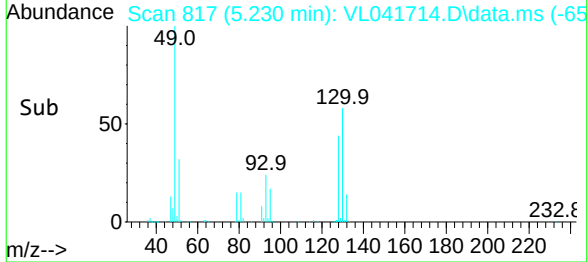
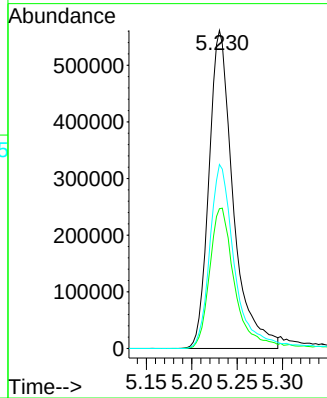
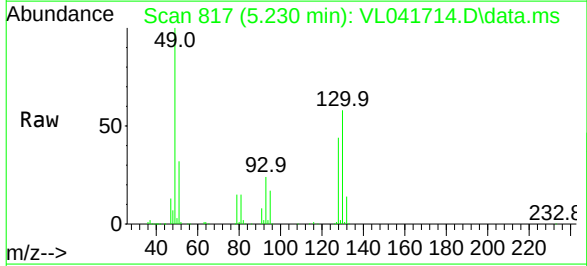
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

Tgt Ion: 49 Resp: 1043249
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.2
130 61.0 30.1 90.5

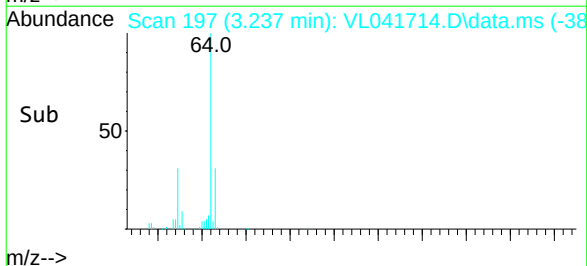
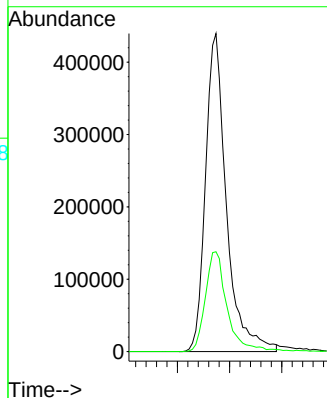
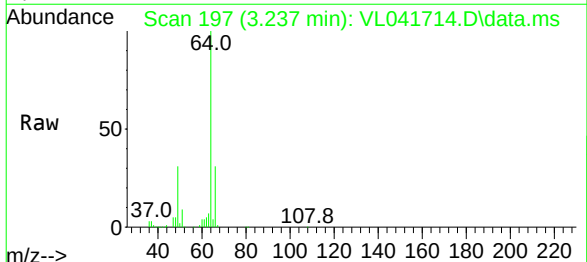
Manual Integrations
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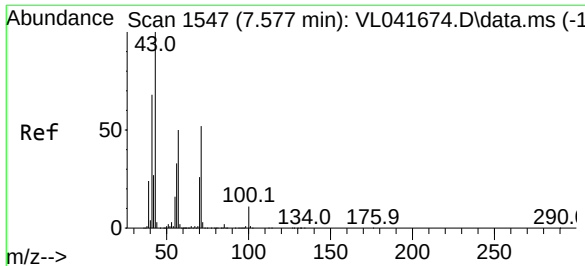
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024



#7
Chloroethane
Concen: 25.821 ppbv m
RT: 3.237 min Scan# 197
Delta R.T. 0.010 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Tgt Ion: 64 Resp: 610346
Ion Ratio Lower Upper
64 100
66 31.4 25.9 38.9





#10

Heptane

Concen: 12.088 ppbv

RT: 7.619 min Scan# 15

Delta R.T. 0.010 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

Tgt Ion: 43 Resp: 1604286

Ion Ratio Lower Upper

43 100

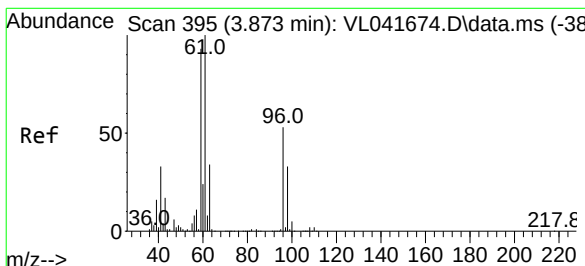
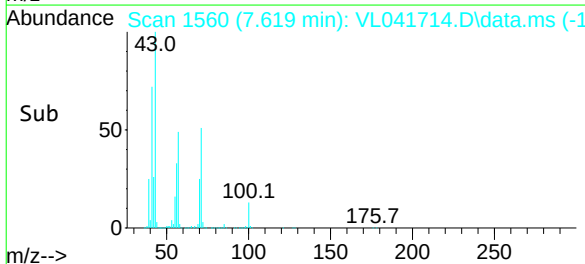
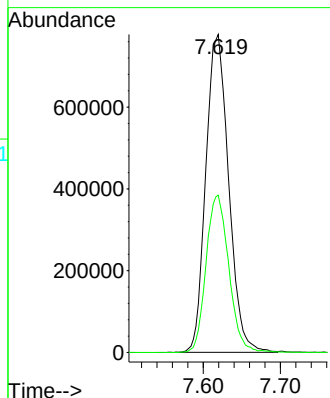
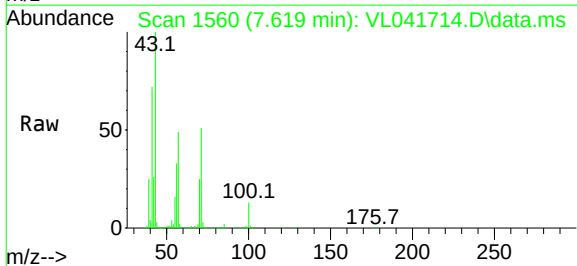
57 49.3 40.0 60.0

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Supervised By :Mahesh Dadoda 12/03/2024



#18

1,1-Dichloroethene

Concen: 9.832 ppbv

RT: 3.919 min Scan# 409

Delta R.T. 0.010 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

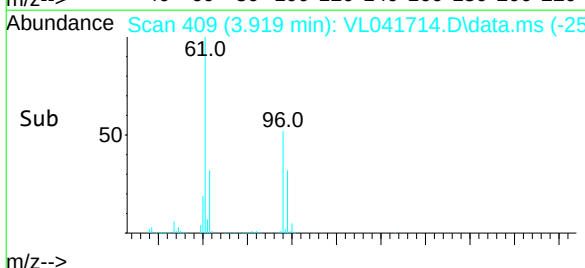
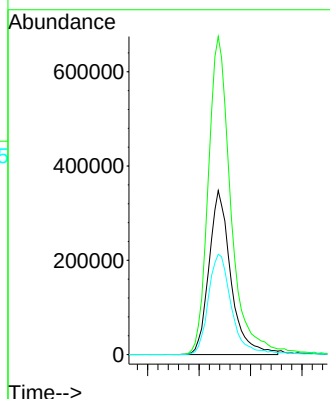
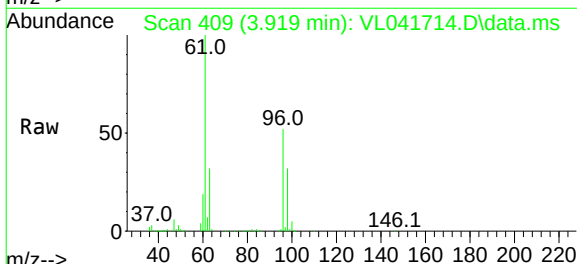
Tgt Ion: 96 Resp: 514801

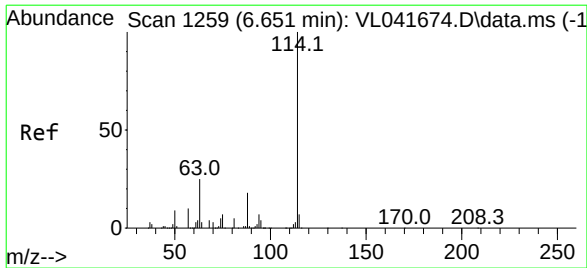
Ion Ratio Lower Upper

96 100

61 194.0 150.7 226.1

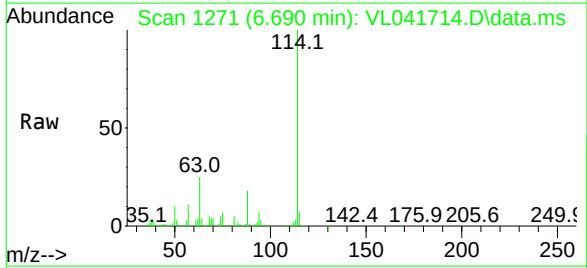
98 61.1 49.4 74.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.690 min Scan# 1212
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

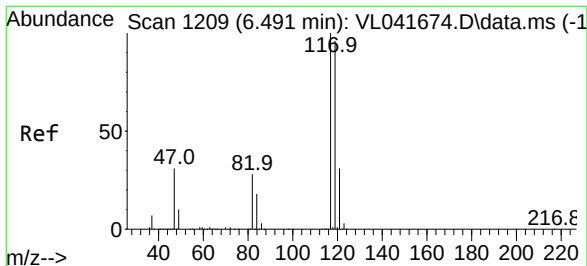
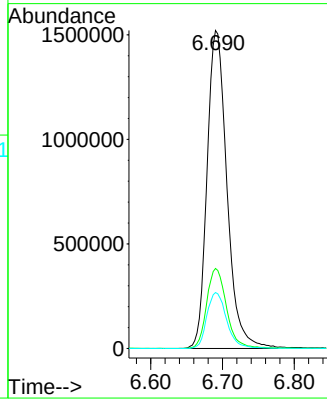
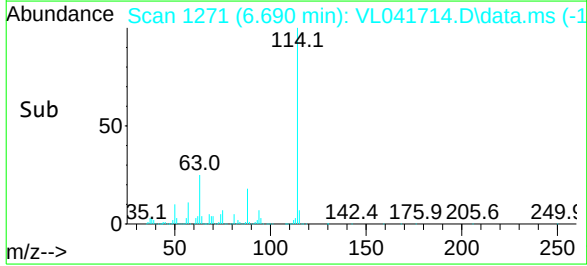
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL



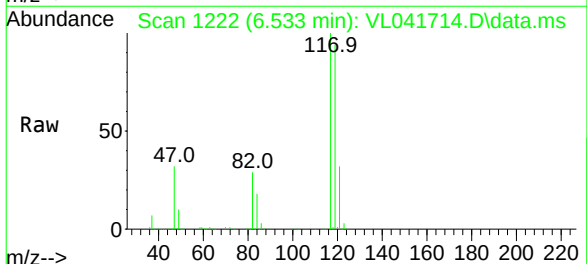
Tgt Ion:114 Resp: 2930669
Ion Ratio Lower Upper
114 100
63 25.2 20.3 30.5
88 17.6 14.2 21.4

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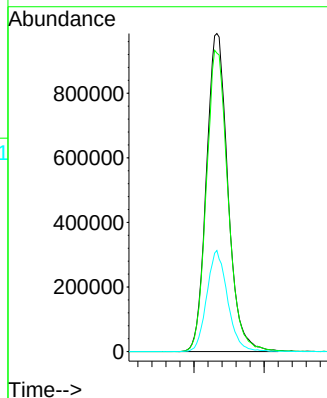
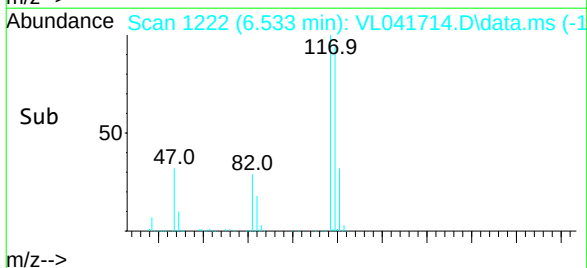
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024

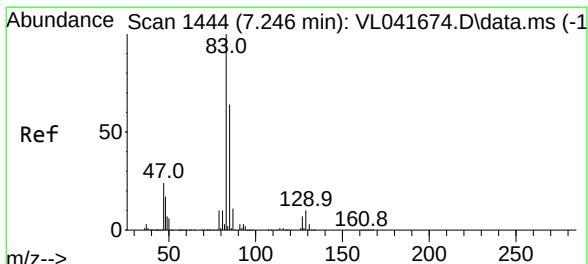


#35
Carbon Tetrachloride
Concen: 13.562 ppbv
RT: 6.533 min Scan# 1222
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12



Tgt Ion:117 Resp: 2096970
Ion Ratio Lower Upper
117 100
119 93.8 77.2 115.8
121 31.8 25.0 37.4





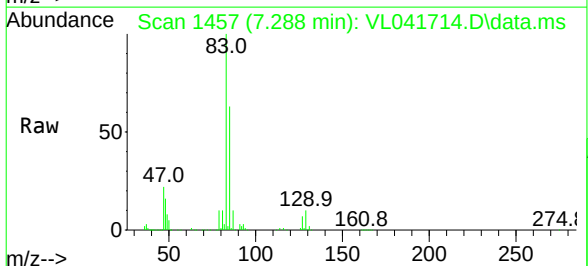
#42
 Bromodichloromethane
 Concen: 9.230 ppbv
 RT: 7.288 min Scan# 14
 Delta R.T. 0.006 min
 Lab File: VL041714.D
 Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

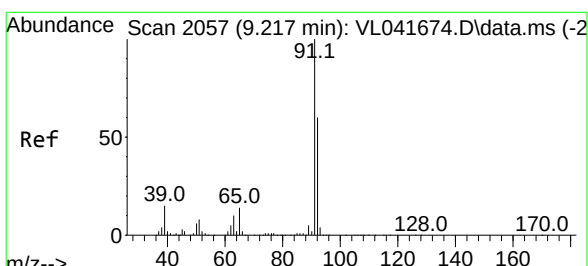
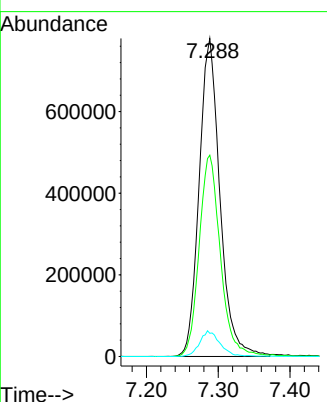
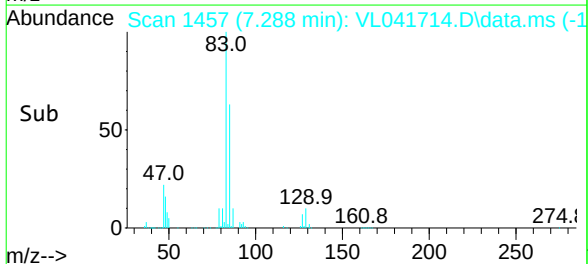


Tgt Ion: 83 Resp: 1571344

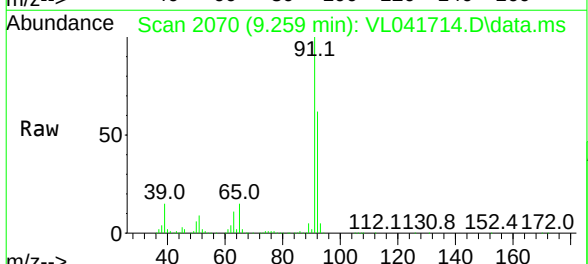
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.2	76.8
127	7.3	6.0	9.0

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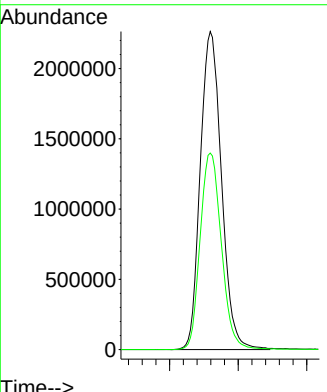
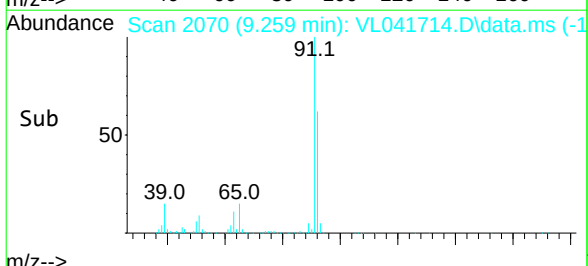


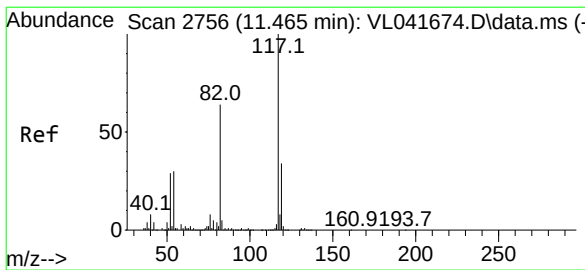
#53
 Toluene
 Concen: 21.298 ppbv
 RT: 9.259 min Scan# 2070
 Delta R.T. 0.007 min
 Lab File: VL041714.D
 Acq: 21 Nov 2024 14:12



Tgt Ion: 91 Resp: 4863423

Ion	Ratio	Lower	Upper
91	100		
92	62.1	49.0	73.4





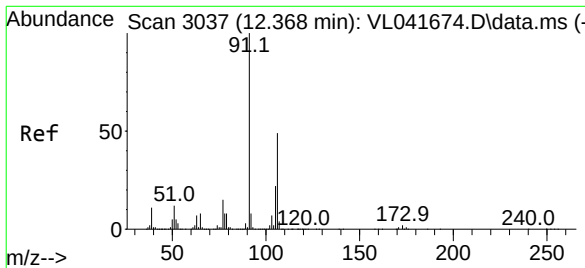
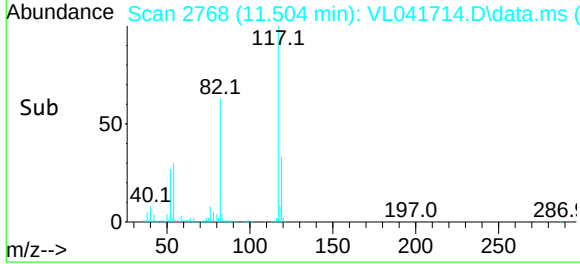
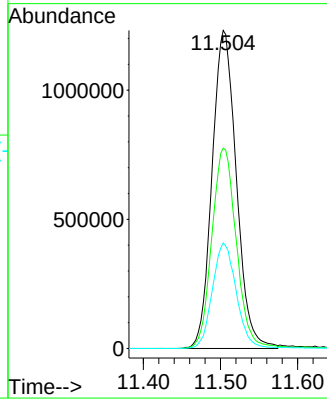
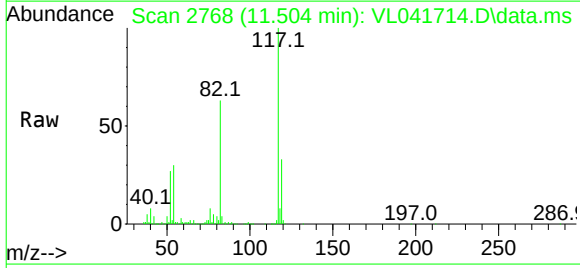
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.504 min Scan# 2756
Delta R.T. 0.007 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

Tgt Ion:117 Resp: 2692925
Ion Ratio Lower Upper
117 100
82 64.3 49.8 74.8
119 32.9 24.2 36.4

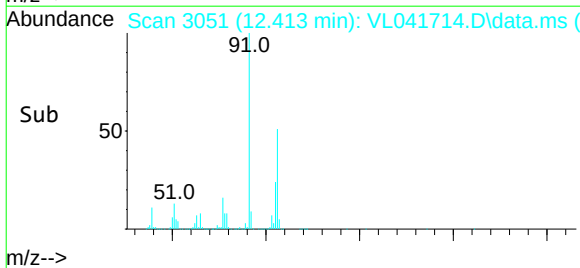
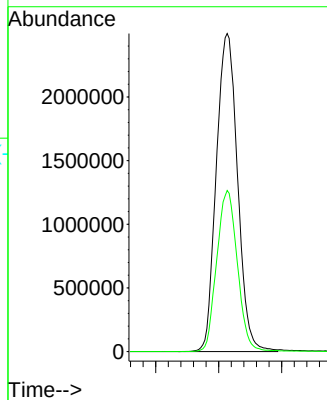
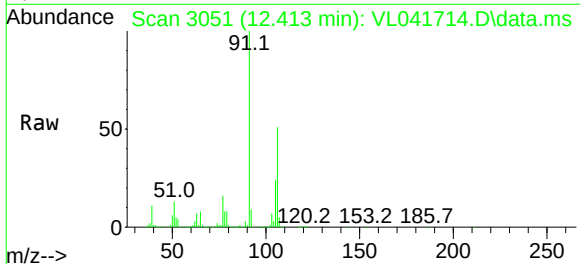
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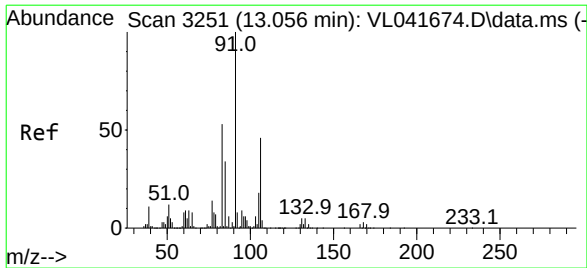
Reviewed By :Semsettin Yesilyurt 12/02/2024
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#59
m/p-Xylene
Concen: 22.185 ppbv
RT: 12.413 min Scan# 3051
Delta R.T. 0.010 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Tgt Ion: 91 Resp: 5865203
Ion Ratio Lower Upper
91 100
106 49.3 36.9 55.3





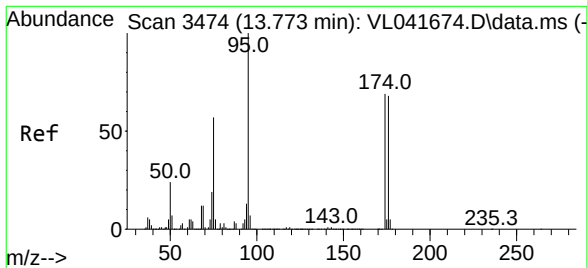
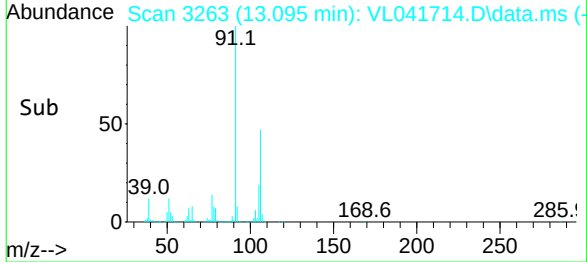
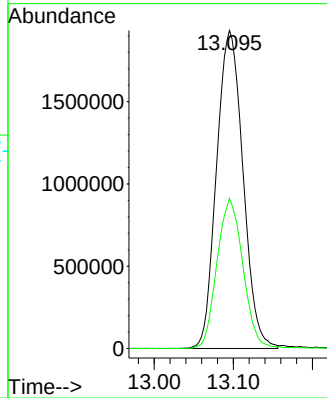
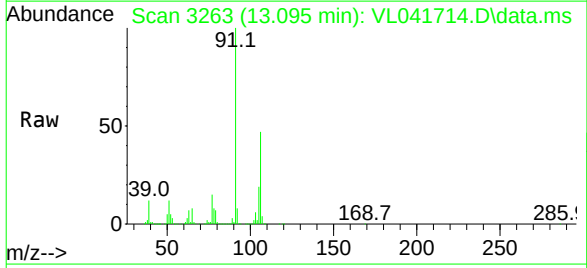
#60
o-Xylene
Concen: 17.783 ppbv
RT: 13.095 min Scan# 3251
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

Tgt Ion: 91 Resp: 4483154
Ion Ratio Lower Upper
91 100
106 46.5 23.2 69.6

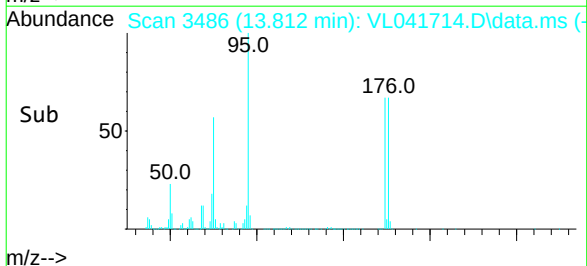
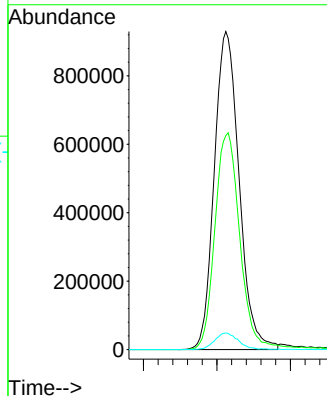
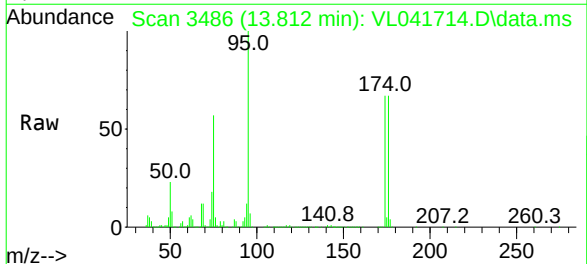
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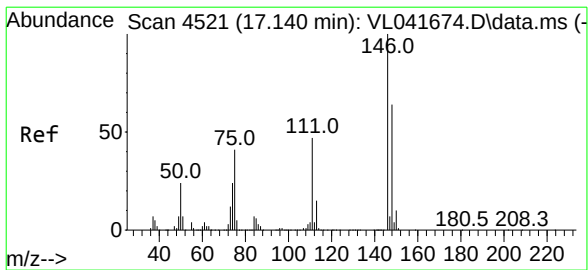
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.994 ppbv
RT: 13.812 min Scan# 3486
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

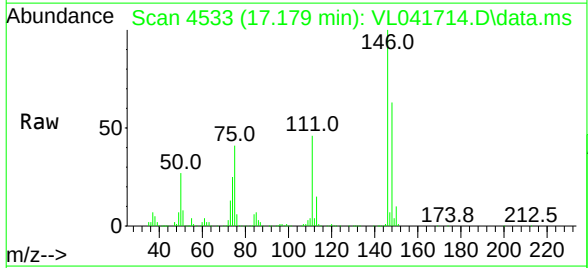
Tgt Ion: 95 Resp: 2181457
Ion Ratio Lower Upper
95 100
174 69.7 55.6 83.4
175 5.1 4.2 6.2





#77
1,2-Dichlorobenzene
Concen: 14.901 ppbv
RT: 17.179 min Scan# 45
Delta R.T. 0.003 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

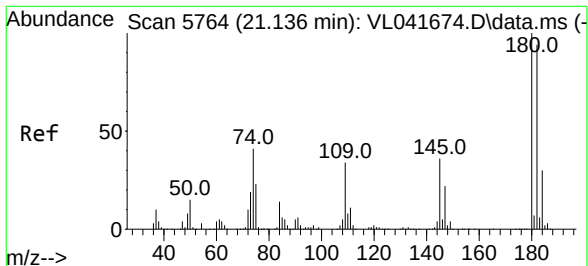
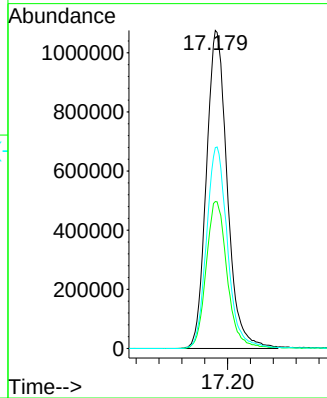
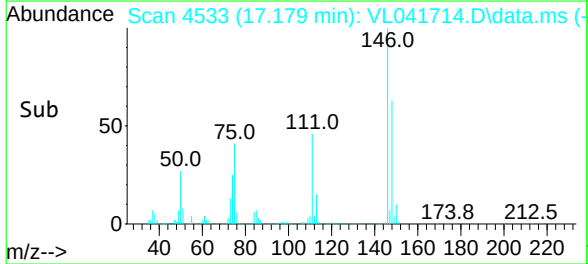
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL



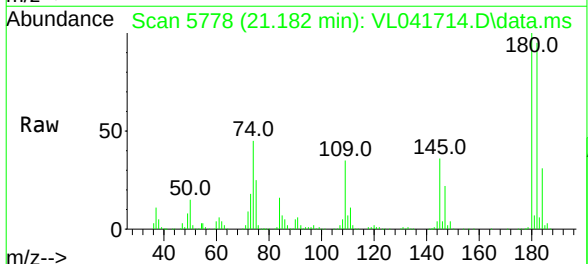
Tgt Ion:146 Resp: 2731245
Ion Ratio Lower Upper
146 100
111 46.8 23.4 70.3
148 63.9 32.1 96.5

Manual Integrations
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Supervised By :Mahesh Dadoda 12/03/2024



#81
1,2,4-Trichlorobenzene
Concen: 11.723 ppbv
RT: 21.182 min Scan# 5778
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12



Tgt Ion:180 Resp: 1359517
Ion Ratio Lower Upper
180 100
182 99.3 78.2 117.2
184 31.4 25.0 37.4

