

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041229.D
 Acq On : 6 May 2024 22:16
 Operator : SY/MD
 Sample : P2353-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 07 05:29:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Tue May 07 05:19:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	866278	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2309462	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2110536	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1644953	10.324	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%
Target Compounds						
					Qvalue	
9) Propene	2.710	41	9469m	0.184	ppbv	
10) Heptane	7.584	43	12527m	0.100	ppbv	
15) Acetone	3.494	43	55859	0.546	ppbv #	74
20) Methylene Chloride	3.944	84	19352	0.544	ppbv #	90
25) Ethyl Acetate	5.221	43	31093	0.152	ppbv #	77
26) Hexane	5.221	57	41343	0.454	ppbv #	41
34) 2-Butanone	4.809	43	35916m	0.306	ppbv	
51) 2-Hexanone	9.574	43	21603m	0.138	ppbv	
52) Tetrachloroethene	10.622	164	3684m	0.054	ppbv	
53) Toluene	9.227	91	60317	0.268	ppbv	96
58) Ethyl Benzene	12.092	91	33440m	0.116	ppbv	
59) m/p-Xylene	12.346	91	94845m	0.390	ppbv	
60) o-Xylene	13.063	91	43624	0.191	ppbv	95
72) 4-Ethyltoluene	15.188	105	28558m	0.111	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	23436m	0.100	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	69433m	0.272	ppbv	

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

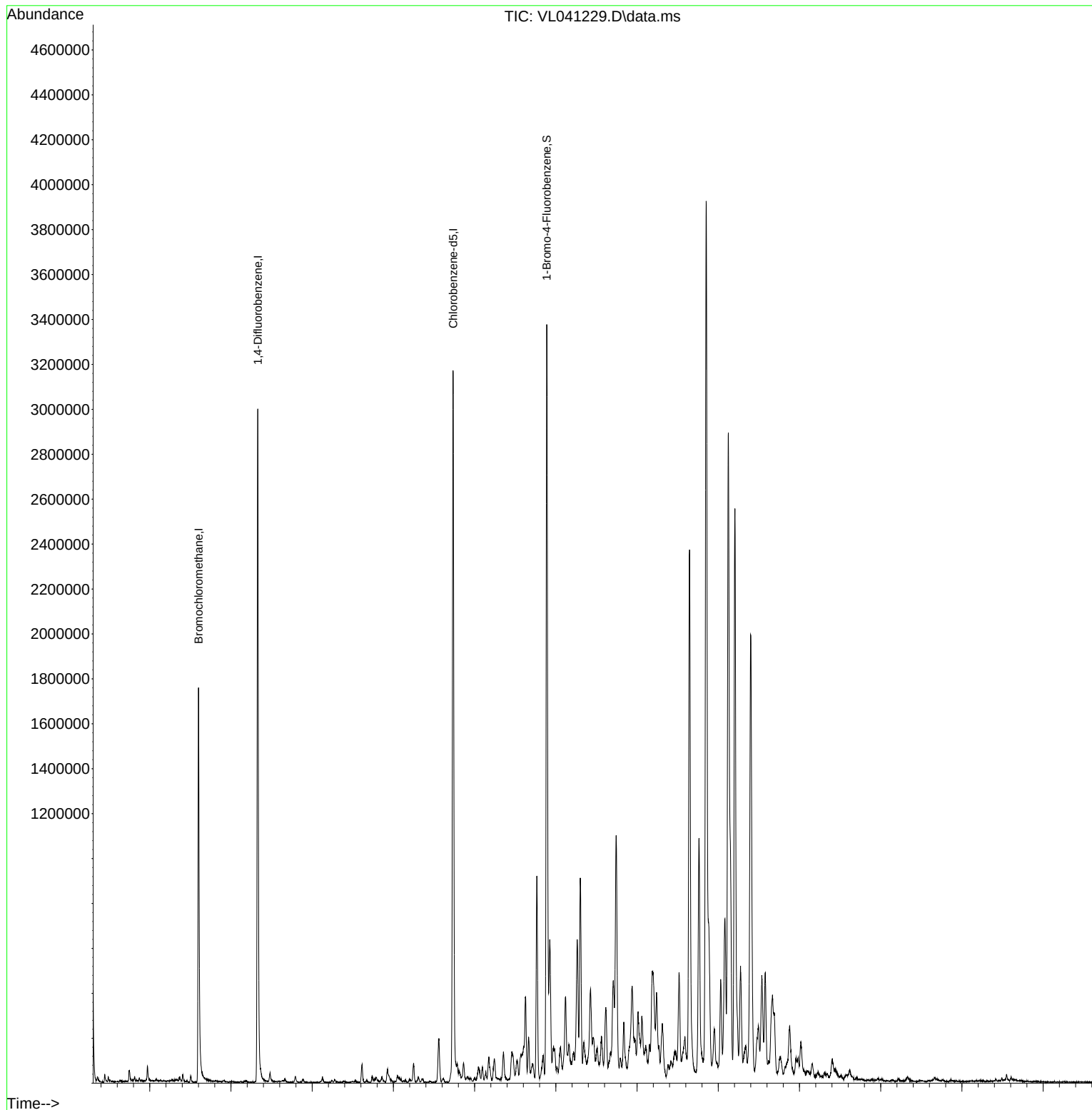
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
Data File : VL041229.D
Acq On : 6 May 2024 22:16
Operator : SY/MD
Sample : P2353-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

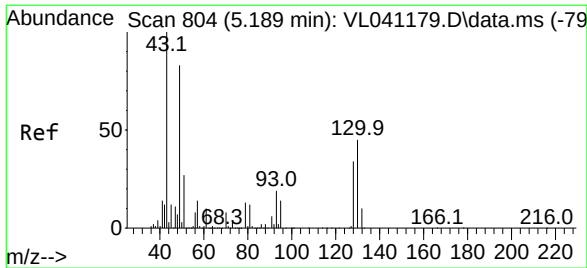
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 05/07/2024
Supervised By : Mahesh Dadoda 05/07/2024

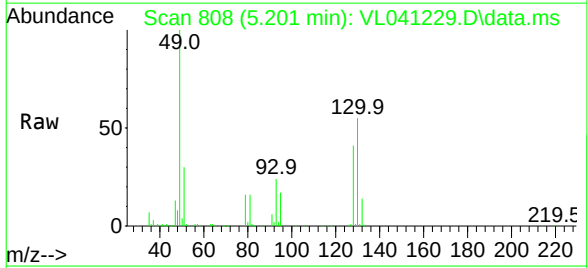
Quant Time: May 07 05:29:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue May 07 05:19:44 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

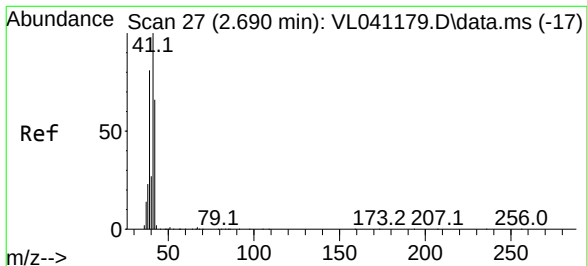
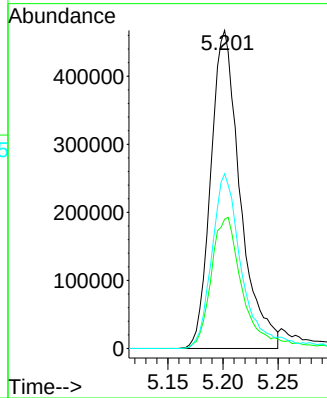
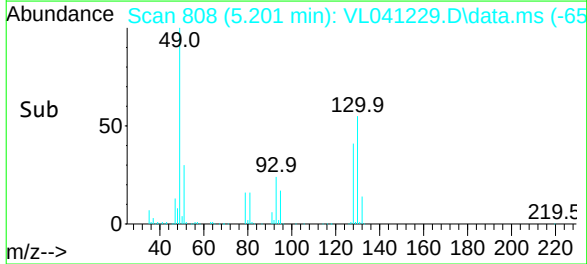
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 866278
Ion Ratio Lower Upper
49 100
128 45.9 21.5 64.5
130 58.3 27.2 81.6

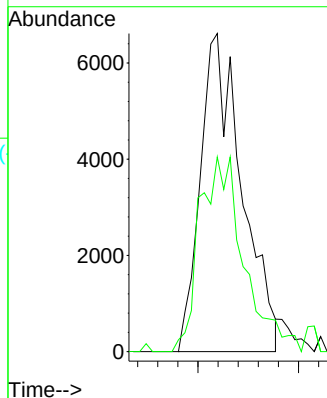
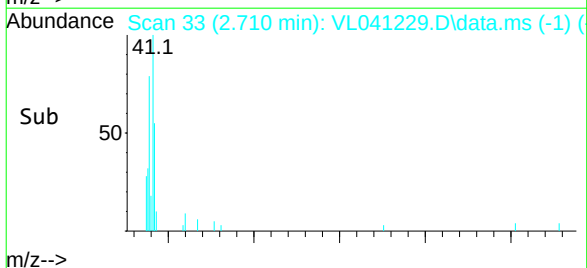
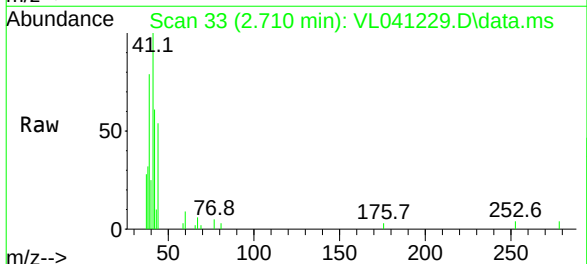
Manual Integrations
APPROVED

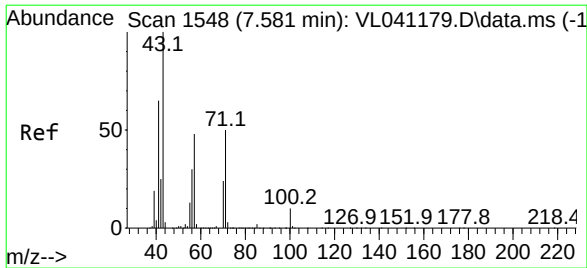
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#9
Propene
Concen: 0.184 ppbv m
RT: 2.710 min Scan# 33
Delta R.T. 0.007 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

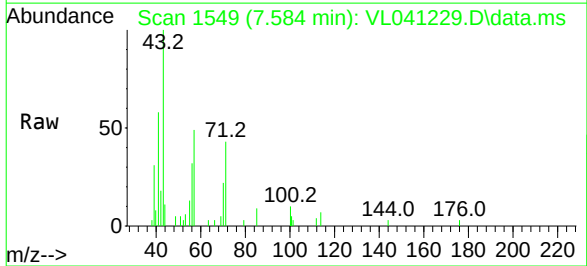
Tgt Ion: 41 Resp: 9469
Ion Ratio Lower Upper
41 100
42 65.6 55.3 82.9





#10
Heptane
Concen: 0.100 ppbv m
RT: 7.584 min Scan# 15
Delta R.T. 0.007 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

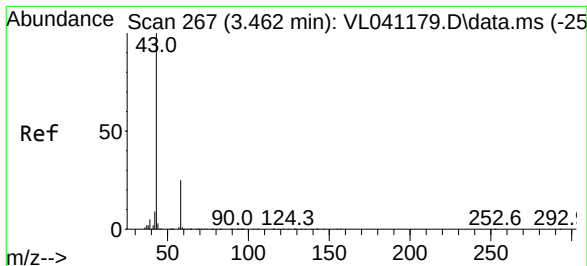
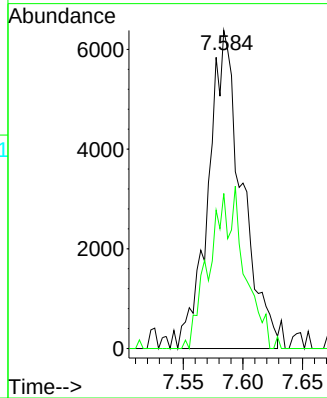
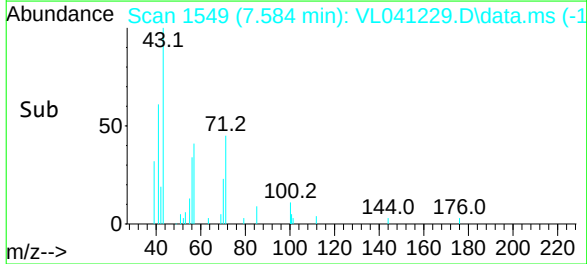
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 12527
Ion Ratio Lower Upper
43 100
57 0.0 38.7 58.1#

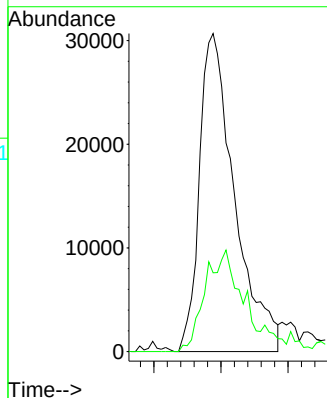
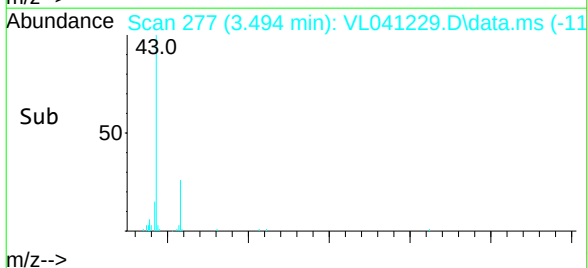
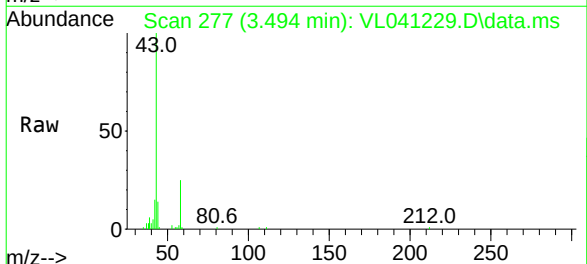
Manual Integrations
APPROVED

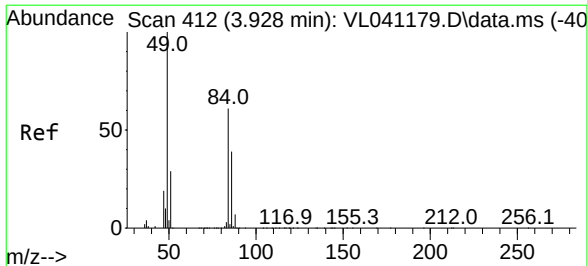
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#15
Acetone
Concen: 0.546 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.019 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

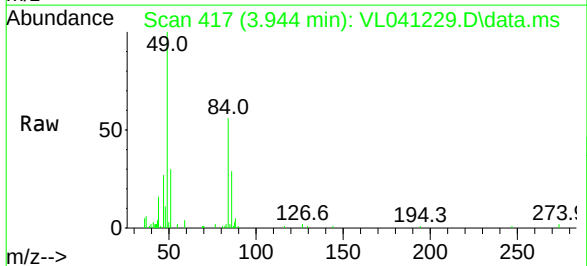
Tgt Ion: 43 Resp: 55859
Ion Ratio Lower Upper
43 100
58 40.1 21.4 32.0#





#20
Methylene Chloride
Concen: 0.544 ppbv
RT: 3.944 min Scan# 411
Delta R.T. 0.007 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

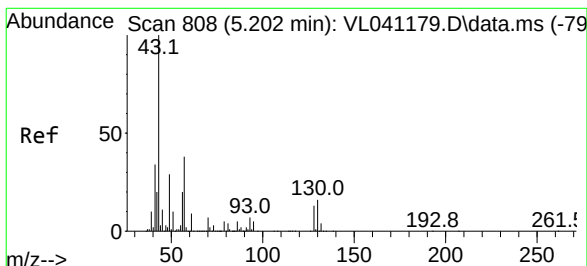
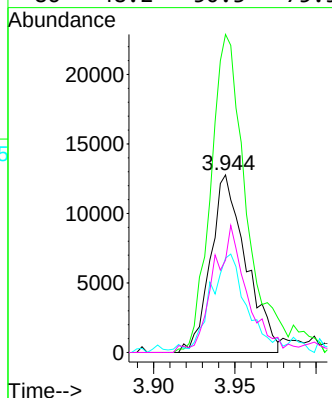
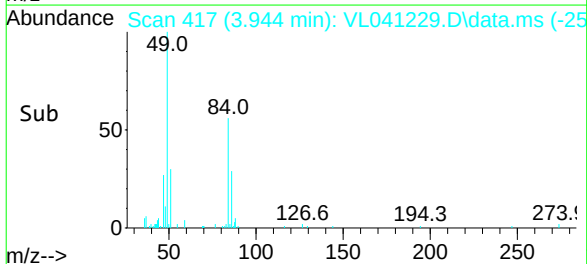
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:	84	Resp:	19352
Ion	Ratio	Lower	Upper
84	100		
49	175.7	130.4	195.6
51	48.6	38.0	57.0
86	48.2	50.3	75.5#

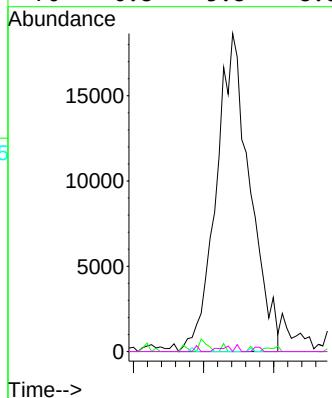
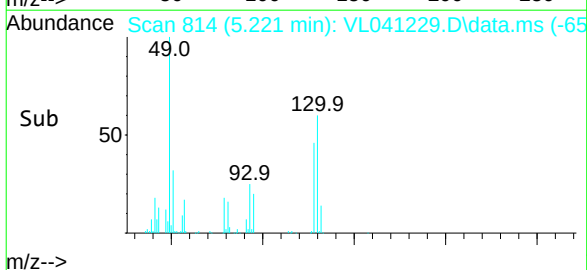
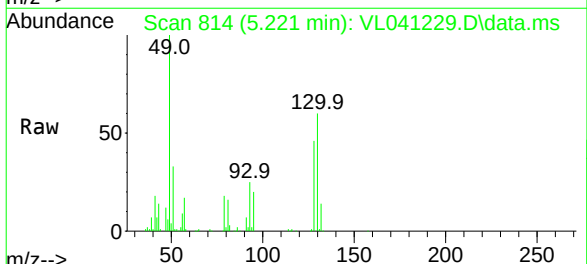
Manual Integrations
APPROVED

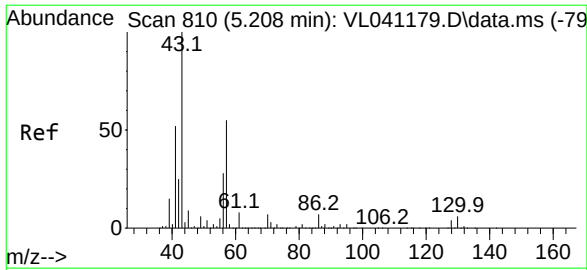
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#25
Ethyl Acetate
Concen: 0.152 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.016 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Tgt Ion:	43	Resp:	31093
Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.2	12.2#
61	0.1	7.7	11.5#
70	0.8	5.8	8.6#





#26

Hexane

Concen: 0.454 ppbv

RT: 5.221 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 57 Resp: 41343

Ion Ratio Lower Upper

57 100

41 105.1 75.8 113.8

43 80.3 187.0 280.4

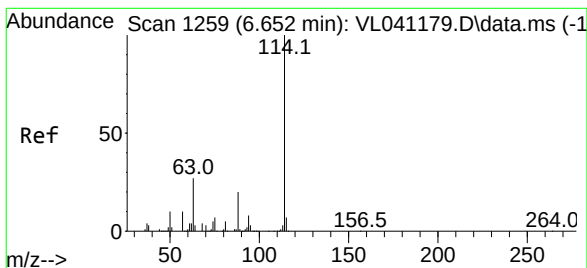
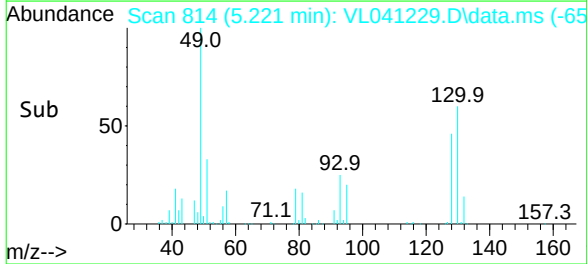
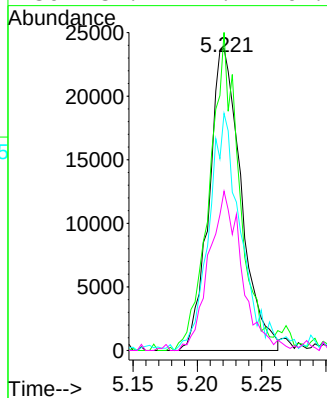
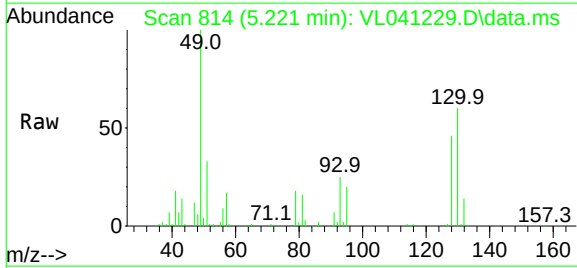
56 54.9 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1262

Delta R.T. 0.007 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

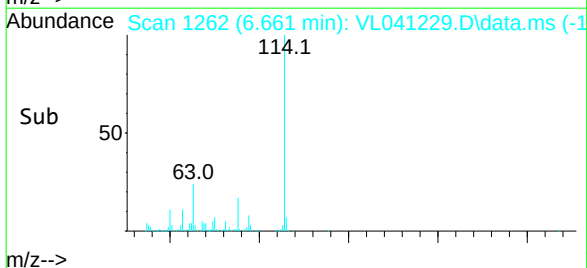
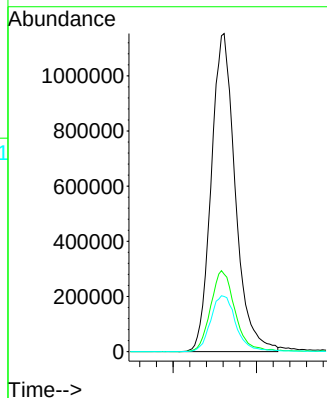
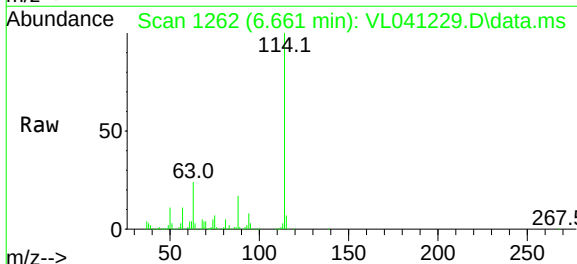
Tgt Ion:114 Resp: 2309462

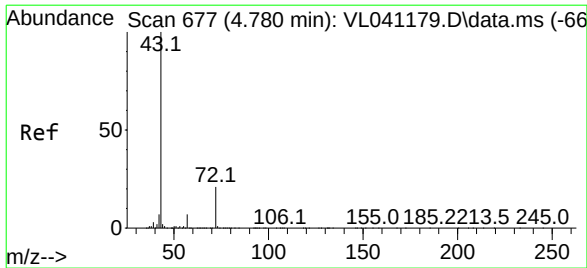
Ion Ratio Lower Upper

114 100

63 26.3 21.8 32.6

88 18.8 15.2 22.8





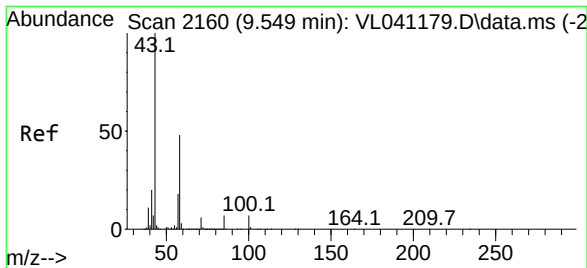
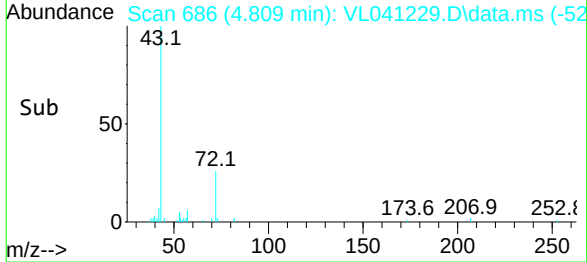
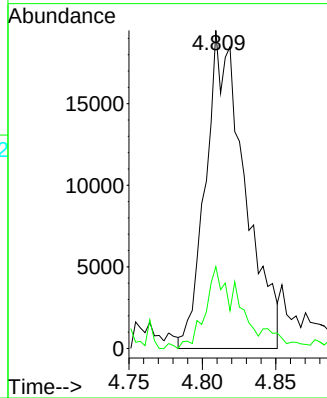
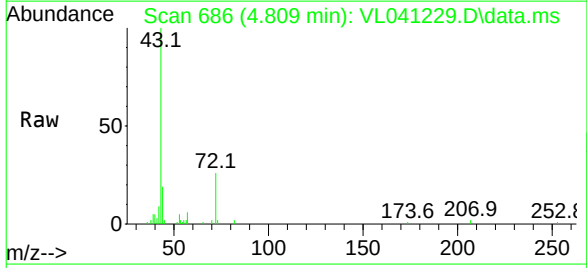
#34
2-Butanone
Concen: 0.306 ppbv m
RT: 4.809 min Scan# 68
Delta R.T. 0.023 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 35916
Ion Ratio Lower Upper
43 100
72 24.0 17.3 25.9

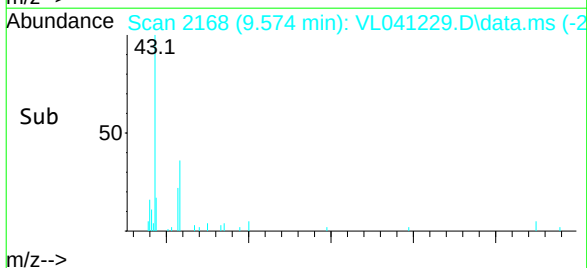
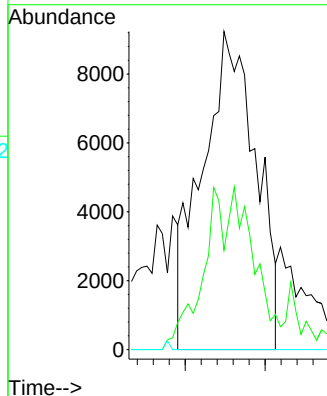
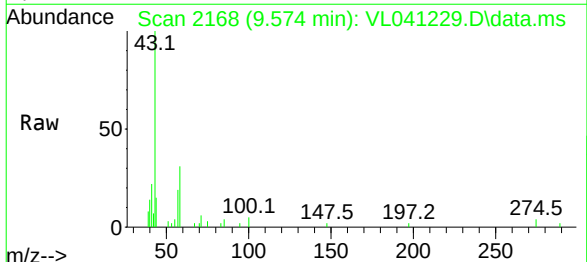
Manual Integrations
APPROVED

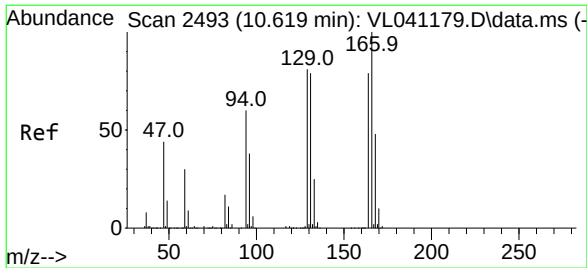
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#51
2-Hexanone
Concen: 0.138 ppbv m
RT: 9.574 min Scan# 2168
Delta R.T. 0.026 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Tgt Ion: 43 Resp: 21603
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 0.0 0.0 0.0





#52

Tetrachloroethene

Concen: 0.054 ppbv m

RT: 10.622 min Scan# 2493

Delta R.T. 0.010 min

Lab File: VL041229.D

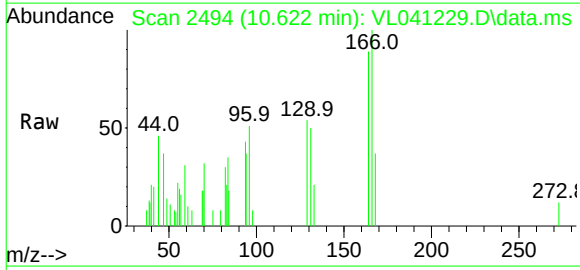
Acq: 6 May 2024 22:16

Instrument :

MSVOA_L

ClientSampleId :

SV1DL



Tgt Ion: 164 Resp: 3684

Ion Ratio Lower Upper

164 100

166 112.6 101.1 151.7

129 61.3 81.7 122.5

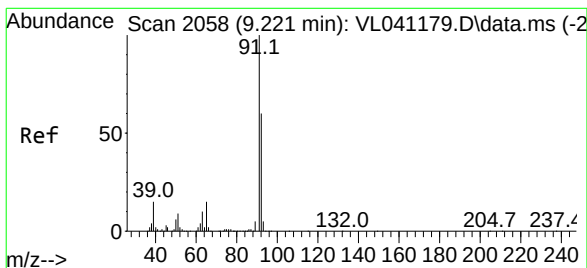
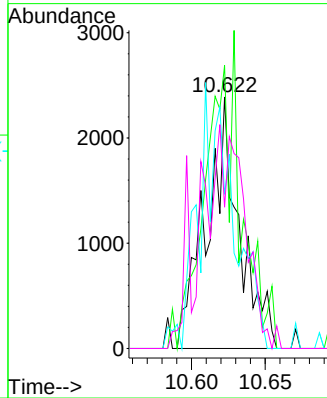
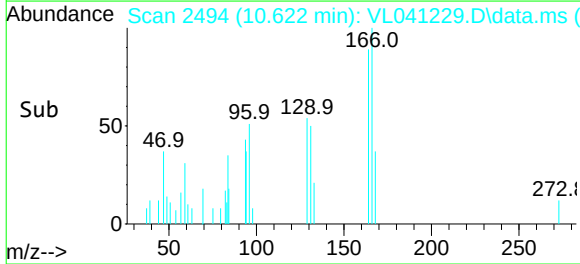
131 56.2 80.4 120.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#53

Toluene

Concen: 0.268 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. 0.007 min

Lab File: VL041229.D

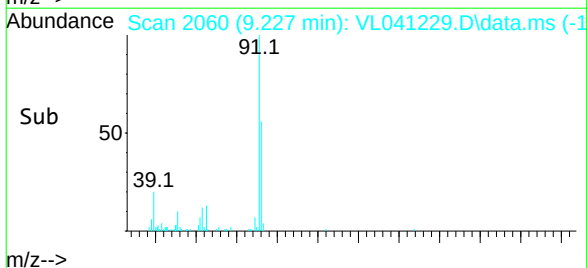
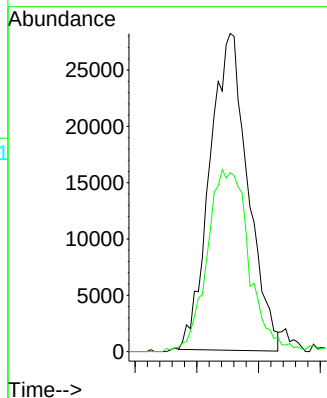
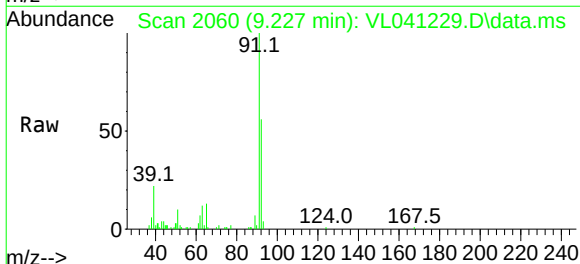
Acq: 6 May 2024 22:16

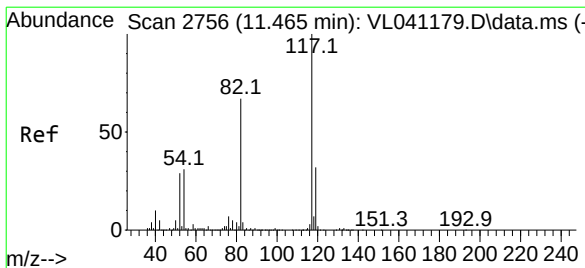
Tgt Ion: 91 Resp: 60317

Ion Ratio Lower Upper

91 100

92 63.6 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2756

Delta R.T. 0.007 min

Lab File: VL041229.D

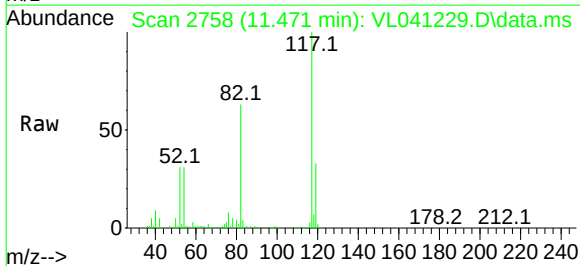
Acq: 6 May 2024 22:16

Instrument :

MSVOA_L

ClientSampleId :

SV1DL



Tgt Ion:117 Resp: 2110536

Ion Ratio Lower Upper

117 100

82 65.6 53.6 80.4

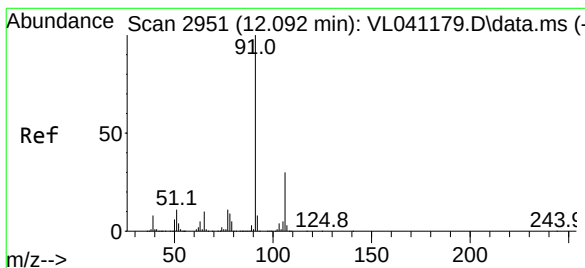
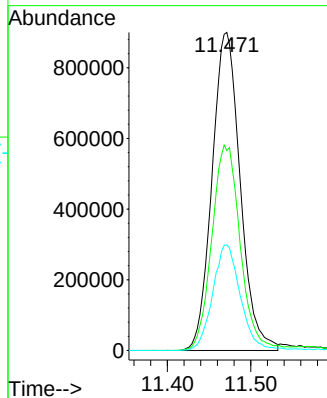
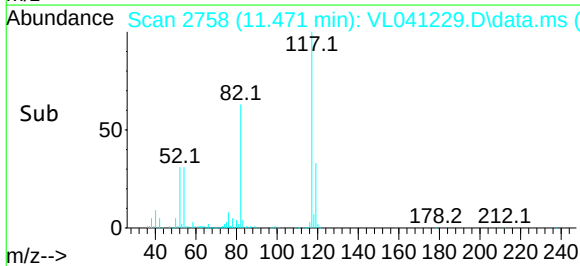
119 33.0 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#58

Ethyl Benzene

Concen: 0.116 ppbv m

RT: 12.092 min Scan# 2951

Delta R.T. 0.007 min

Lab File: VL041229.D

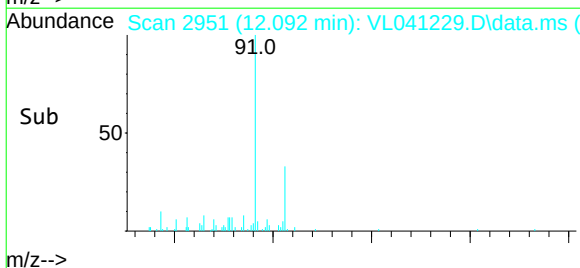
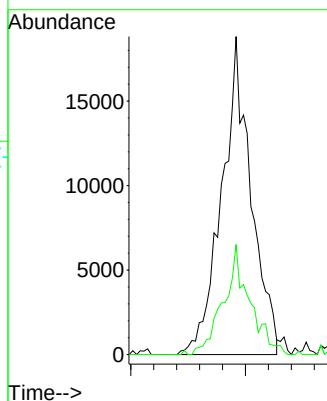
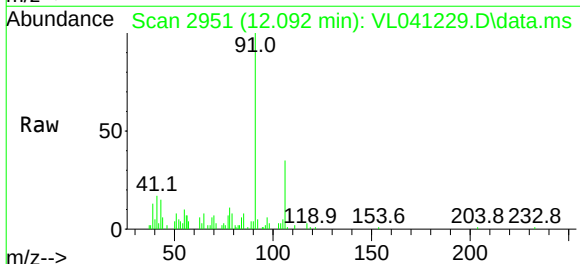
Acq: 6 May 2024 22:16

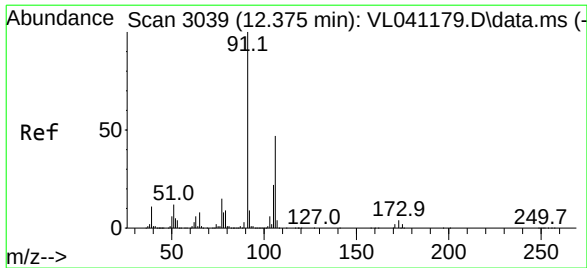
Tgt Ion: 91 Resp: 33440

Ion Ratio Lower Upper

91 100

106 34.6 24.3 36.5





#59

m/p-Xylene

Concen: 0.390 ppbv m

RT: 12.346 min Scan# 3039

Delta R.T. -0.022 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 91 Resp: 94845

Ion Ratio Lower Upper

91 100

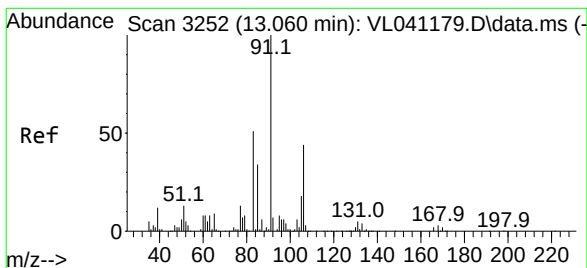
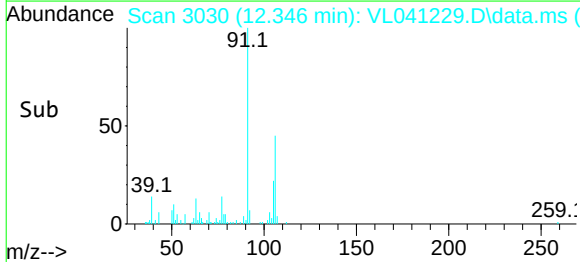
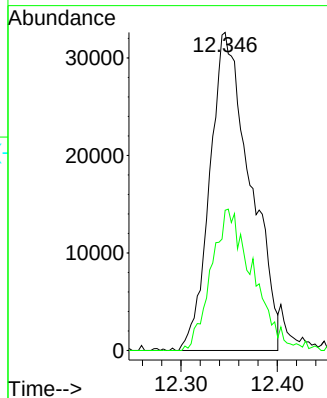
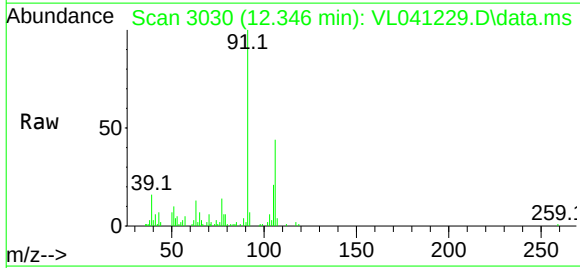
106 0.0 35.7 53.5#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#60

o-Xylene

Concen: 0.191 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.007 min

Lab File: VL041229.D

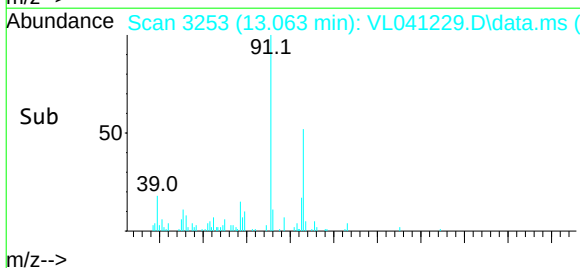
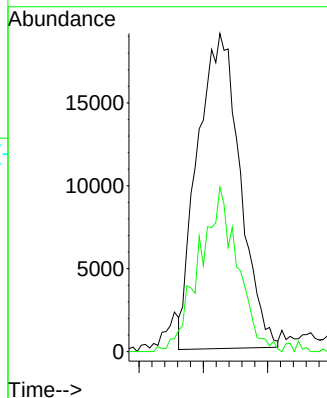
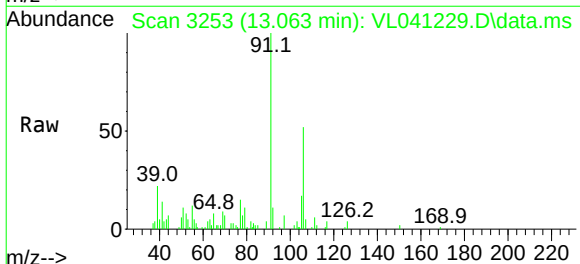
Acq: 6 May 2024 22:16

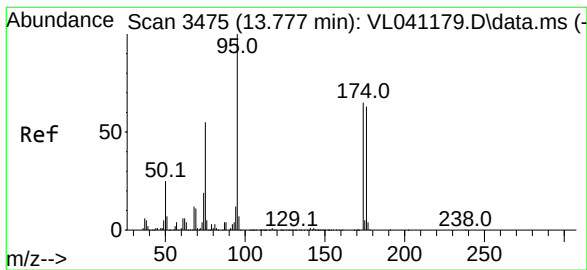
Tgt Ion: 91 Resp: 43624

Ion Ratio Lower Upper

91 100

106 48.0 22.4 67.3





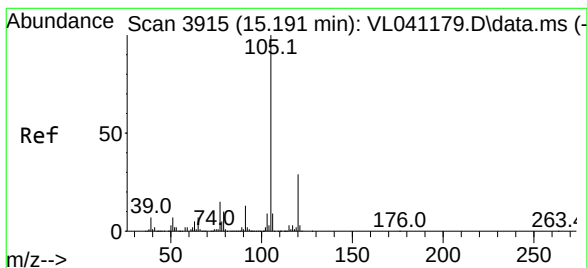
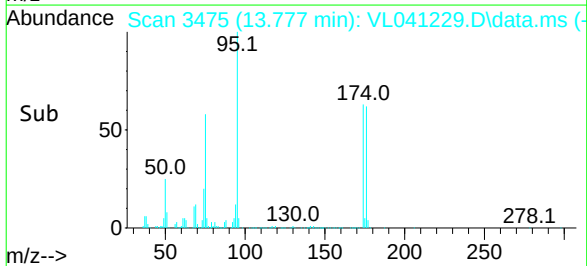
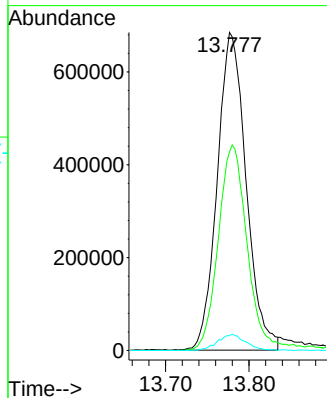
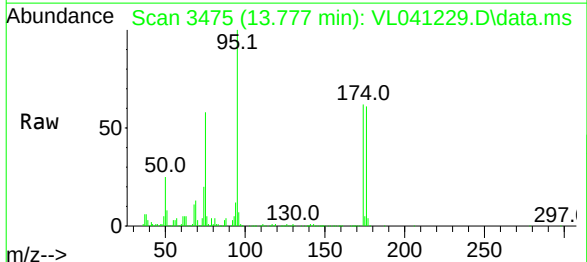
#68
1-Bromo-4-Fluorobenzene
Concen: 10.324 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 95 Resp: 1644953
Ion Ratio Lower Upper
95 100
174 67.3 53.6 80.4
175 5.1 4.2 6.4

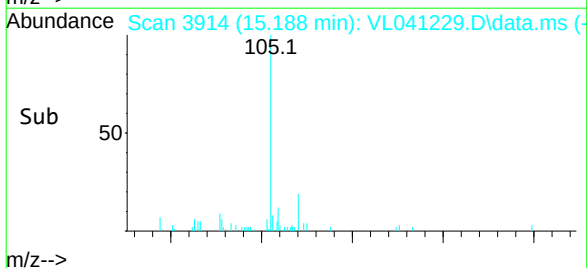
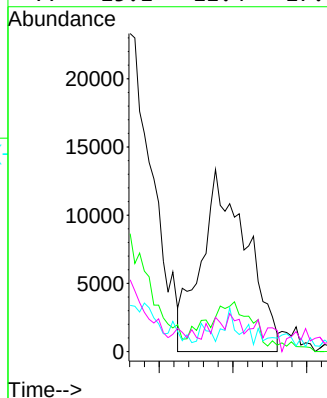
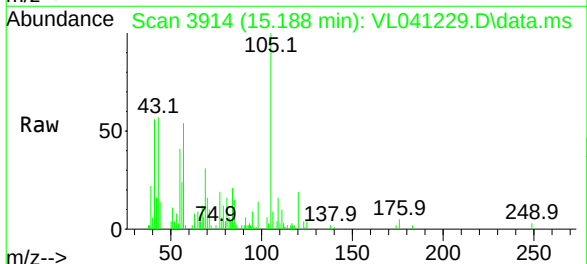
Manual Integrations
APPROVED

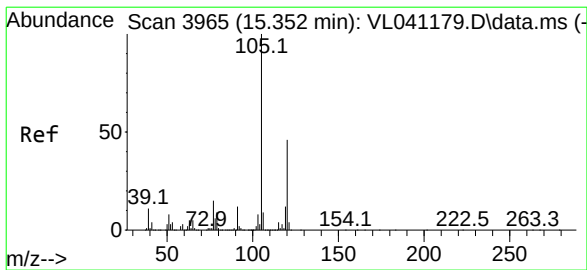
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#72
4-Ethyltoluene
Concen: 0.111 ppbv m
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Tgt Ion:105 Resp: 28558
Ion Ratio Lower Upper
105 100
120 29.4 24.7 37.1
91 22.2 10.3 15.5#
77 15.1 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 0.100 ppbv m

RT: 15.355 min Scan# 39

Delta R.T. 0.007 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:105 Resp: 23436

Ion Ratio Lower Upper

105 100

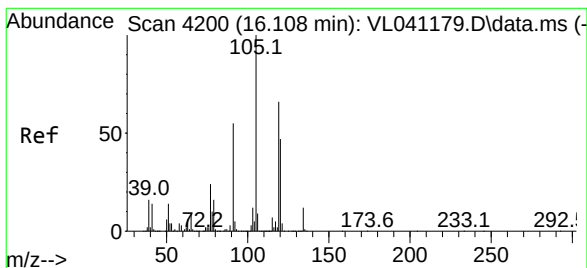
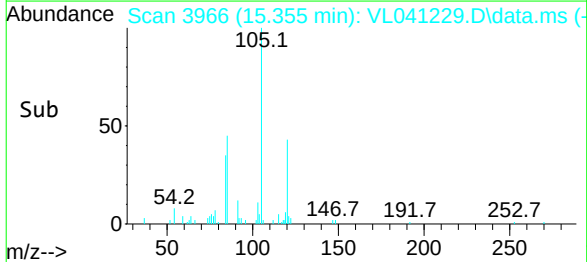
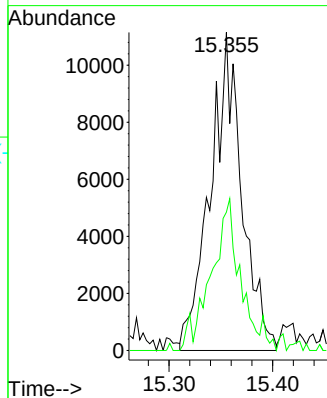
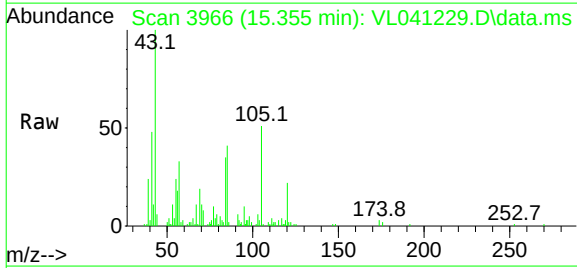
120 43.5 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.272 ppbv m

RT: 16.105 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

Tgt Ion:105 Resp: 69433

Ion Ratio Lower Upper

105 100

120 29.4 37.8 56.6#

91 9.2 44.3 66.5#

77 15.6 19.0 28.4#

