

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041199.D
 Acq On : 2 May 2024 17:17
 Operator : SY/MD
 Sample : P2334-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-SS01-20240425

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 03 03:42:05 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 : Fri May 03 03:34:47 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	886708	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2227666	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1995196	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1511660	10.036	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.739	85	59175	0.493	ppbv #	82
4) Chloromethane	2.819	50	17797	0.337	ppbv	93
9) Propene	2.710	41	43825	0.832	ppbv #	69
11) Trichlorofluoromethane	3.568	101	29386	0.241	ppbv	98
13) Ethanol	3.240	45	874919	74.055	ppbv	99
15) Acetone	3.475	43	614529	5.872	ppbv	98
19) Isopropyl Alcohol	3.584	45	407796m	5.939	ppbv	
20) Methylene Chloride	3.938	84	1119865	30.773	ppbv	98
26) Hexane	5.218	57	956783	10.264	ppbv #	42
34) 2-Butanone	4.796	43	57233	0.505	ppbv #	90
35) Carbon Tetrachloride	6.497	117	8482m	0.068	ppbv	
36) Benzene	6.375	78	23168	0.124	ppbv	97
38) Trichloroethene	7.288	130	9416m	0.135	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	26652m	0.083	ppbv	
52) Tetrachloroethene	10.613	164	16235m	0.247	ppbv	
53) Toluene	9.224	91	142681	0.658	ppbv	99
58) Ethyl Benzene	12.089	91	20184m	0.074	ppbv	
59) m/p-Xylene	12.381	91	57577m	0.250	ppbv	
60) o-Xylene	13.063	91	15411	0.072	ppbv	94

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

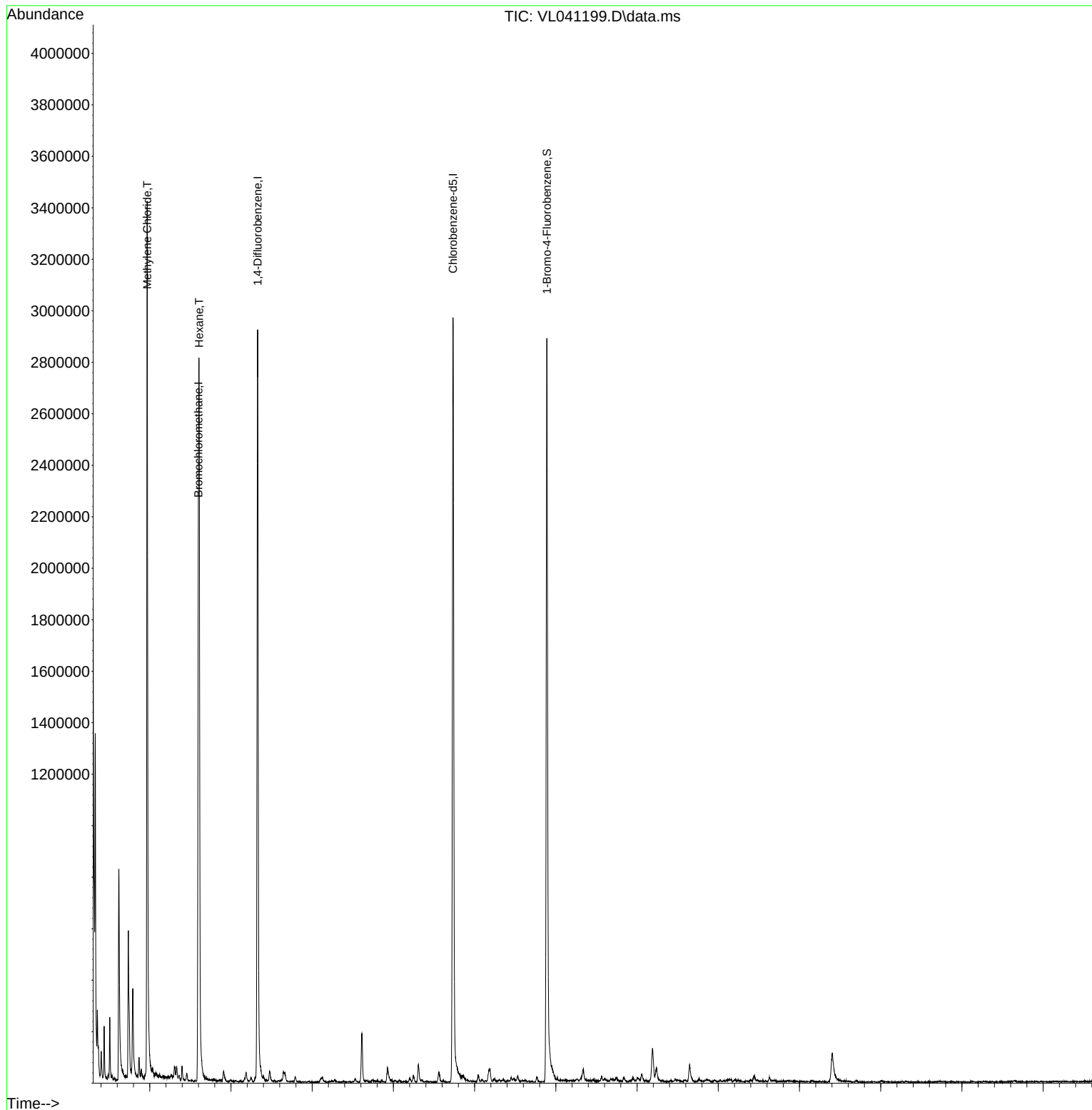
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
Data File : VL041199.D
Acq On : 2 May 2024 17:17
Operator : SY/MD
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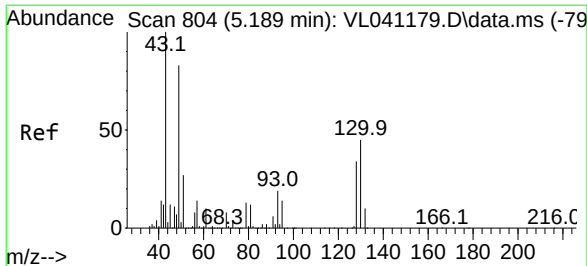
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425

Quant Time: May 03 03:42:05 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 : Fri May 03 03:34:47 2024
Response via : Initial Calibration

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APPROVED

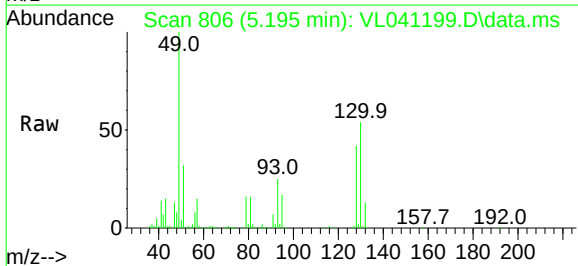
Reviewed By : Semsettin Yesilyurt 05/06/2024
Supervised By : Mahesh Dadoda 05/07/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17

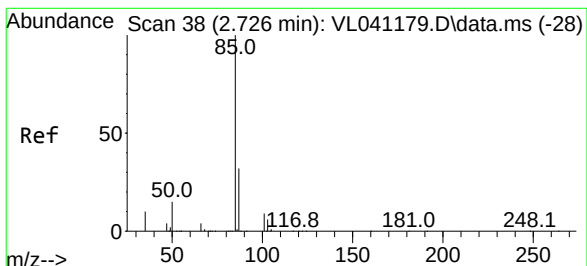
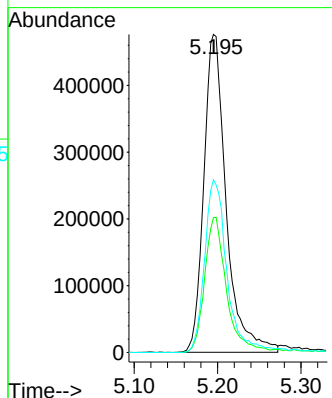
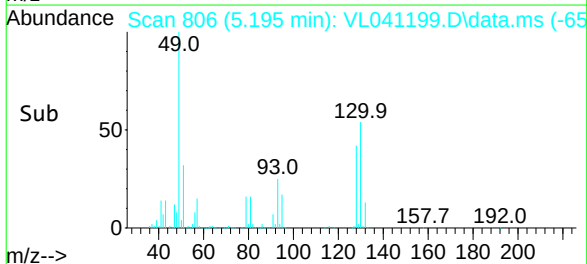
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425



Tgt Ion: 49 Resp: 886708
Ion Ratio Lower Upper
49 100
128 43.3 21.5 64.5
130 55.9 27.2 81.6

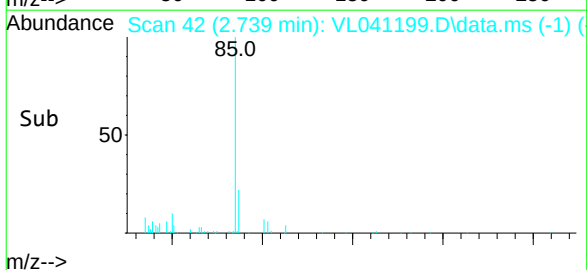
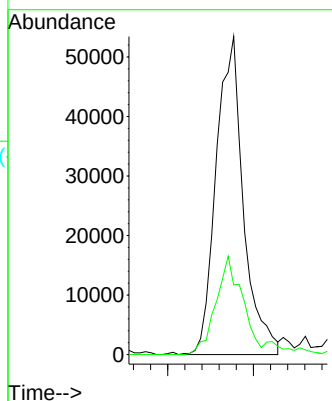
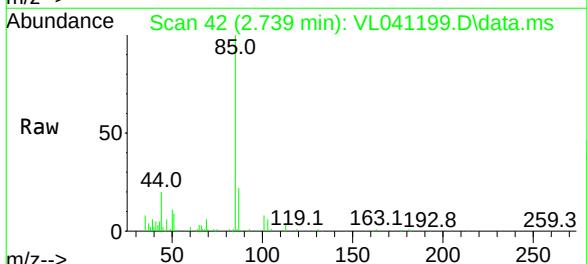
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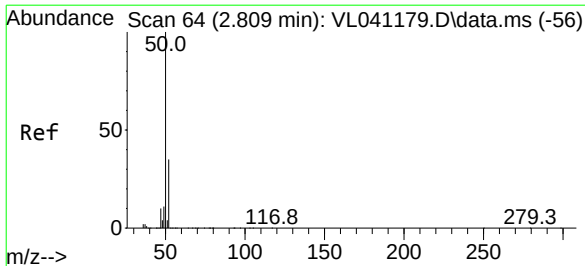
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.493 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.010 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17

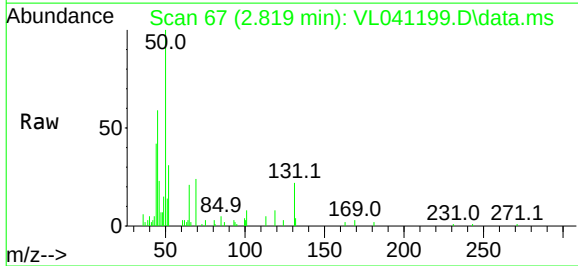
Tgt Ion: 85 Resp: 59175
Ion Ratio Lower Upper
85 100
87 21.9 25.7 38.5#





#4
Chloromethane
Concen: 0.337 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.007 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17

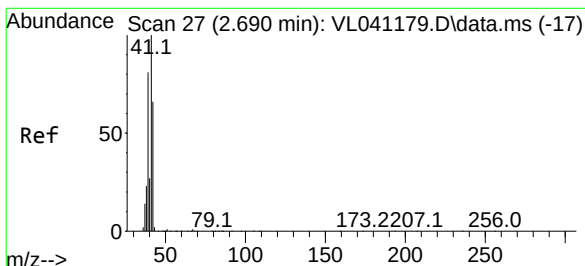
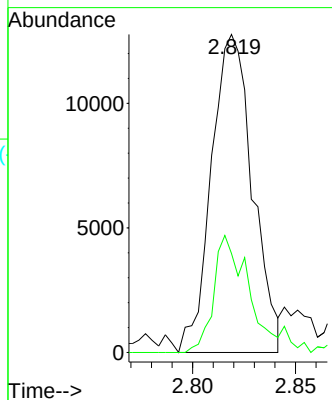
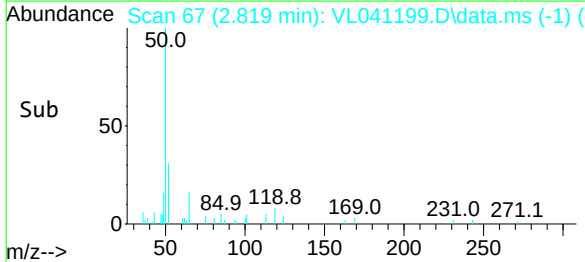
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425



Tgt Ion: 50 Resp: 17797
Ion Ratio Lower Upper
50 100
52 31.1 28.3 42.5

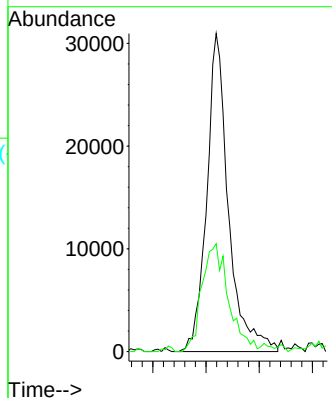
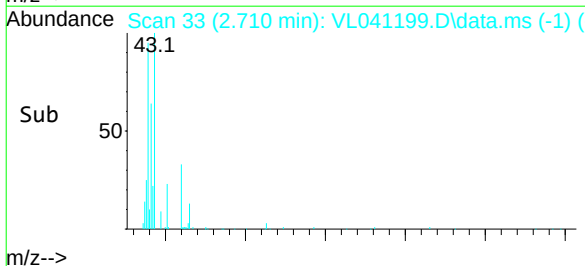
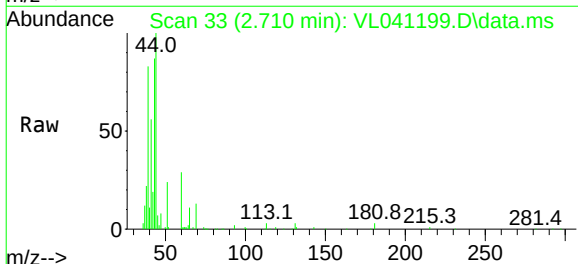
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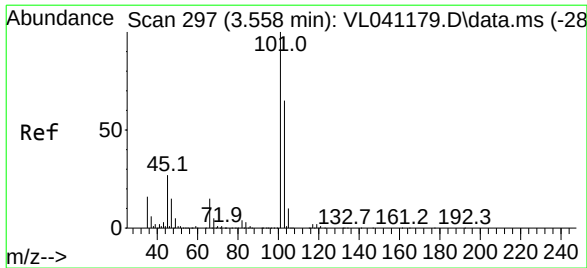
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#9
Propene
Concen: 0.832 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.016 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17

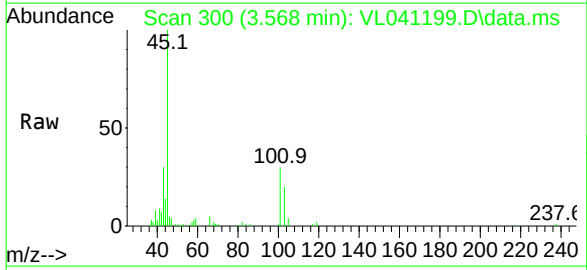
Tgt Ion: 41 Resp: 43825
Ion Ratio Lower Upper
41 100
42 44.2 55.3 82.9#





#11
Trichlorofluoromethane
Concen: 0.241 ppbv
RT: 3.568 min Scan# 30
Delta R.T. 0.010 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17

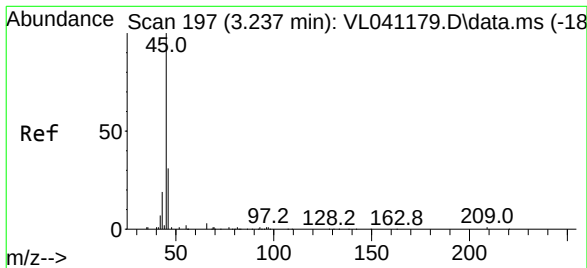
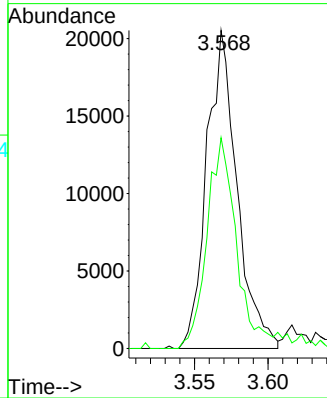
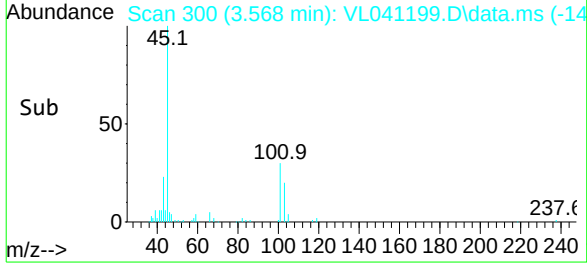
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425



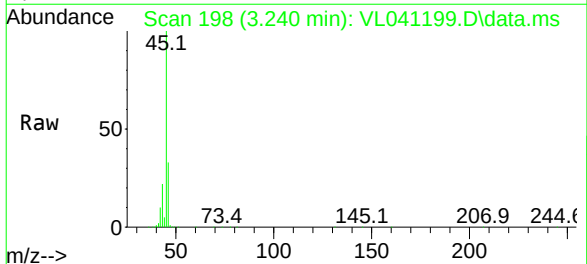
Tgt Ion:101 Resp: 29386
Ion Ratio Lower Upper
101 100
103 66.3 51.6 77.4

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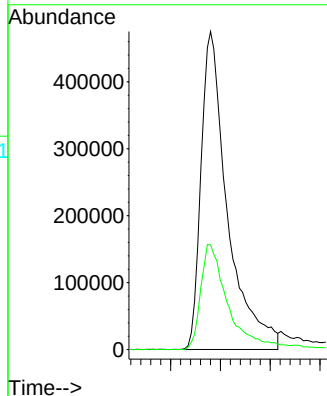
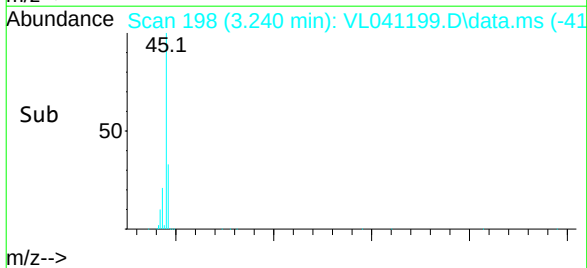
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

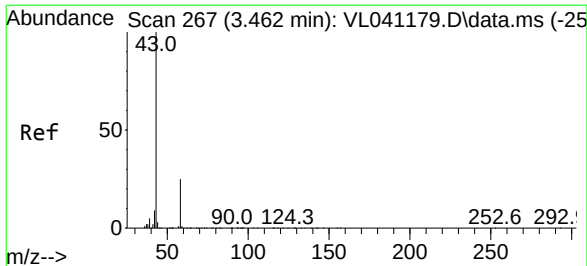


#13
Ethanol
Concen: 74.055 ppbv
RT: 3.240 min Scan# 198
Delta R.T. 0.003 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17



Tgt Ion: 45 Resp: 874919
Ion Ratio Lower Upper
45 100
46 36.1 14.8 59.0





#15

Acetone

Concen: 5.872 ppbv

RT: 3.475 min Scan# 271

Delta R.T. 0.010 min

Lab File: VL041199.D

Acq: 2 May 2024 17:17

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS01-20240425

Tgt Ion: 43 Resp: 614529

Ion Ratio Lower Upper

43 100

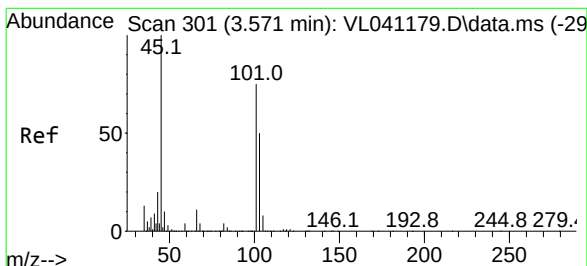
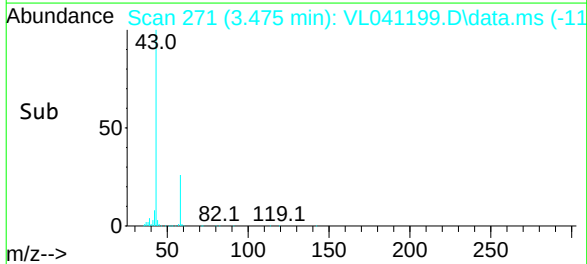
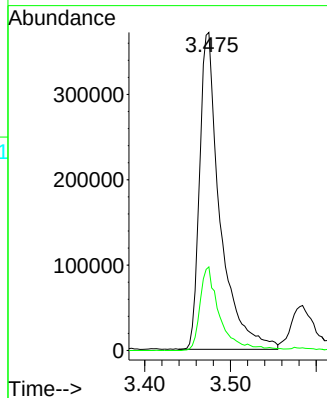
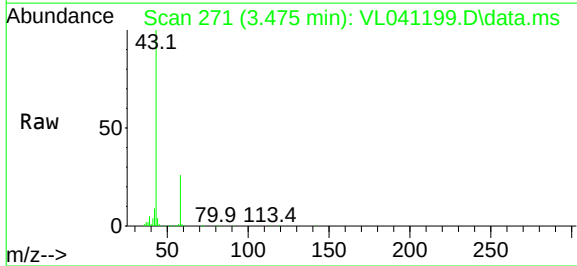
58 25.7 21.4 32.0

Manual Integrations

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Supervised By :Mahesh Dadoda 05/07/2024



#19

Isopropyl Alcohol

Concen: 5.939 ppbv m

RT: 3.584 min Scan# 305

Delta R.T. 0.013 min

Lab File: VL041199.D

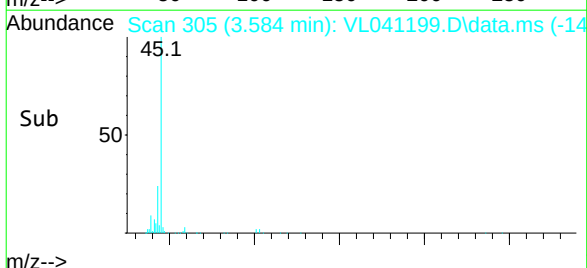
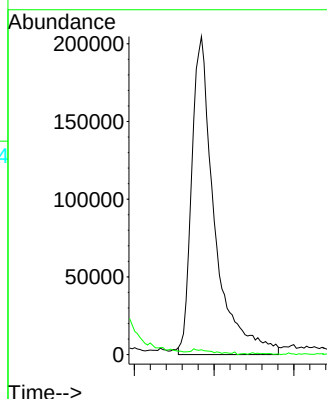
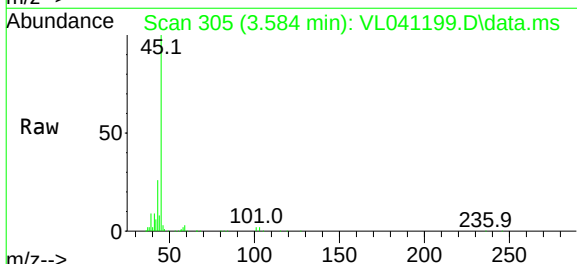
Acq: 2 May 2024 17:17

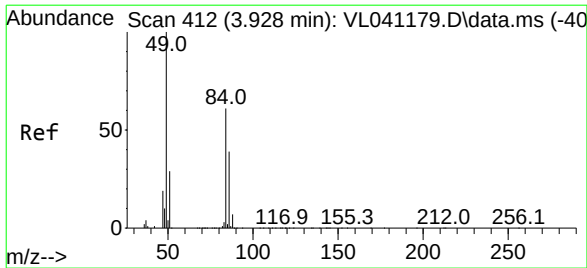
Tgt Ion: 45 Resp: 407796

Ion Ratio Lower Upper

45 100

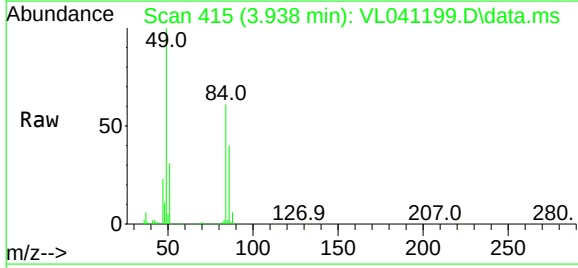
58 0.0 26.8 40.2#





#20
Methylene Chloride
Concen: 30.773 ppbv
RT: 3.938 min Scan# 412
Delta R.T. 0.007 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17

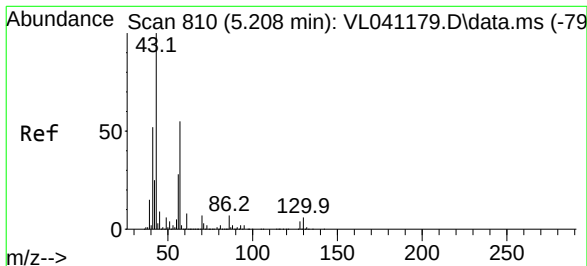
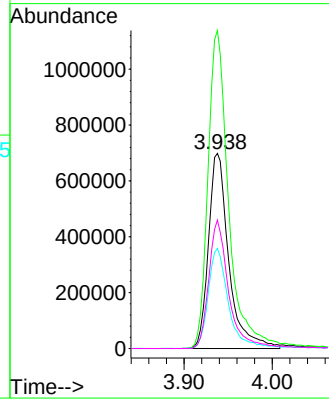
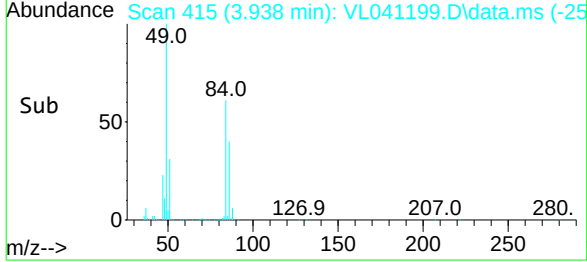
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425



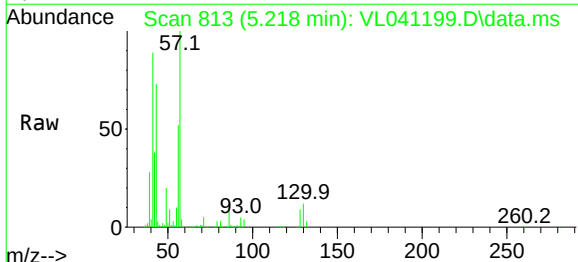
Tgt Ion: 84 Resp: 1119865
Ion Ratio Lower Upper
84 100
49 163.0 130.4 195.6
51 51.3 38.0 57.0
86 65.8 50.3 75.5

Manual Integrations
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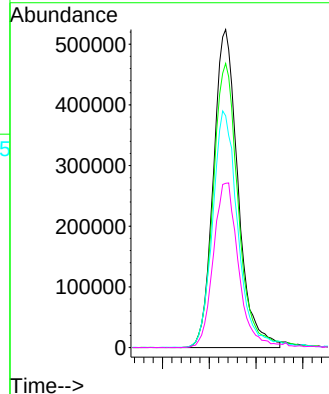
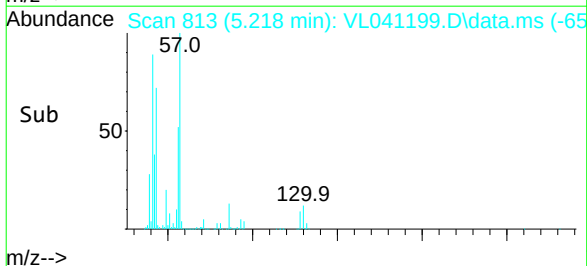
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

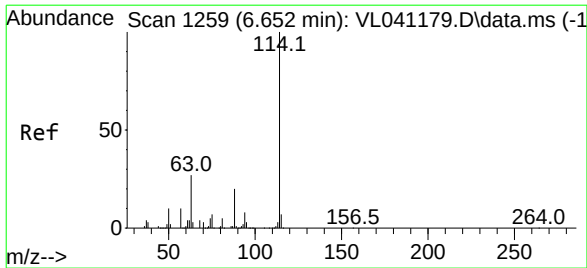


#26
Hexane
Concen: 10.264 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.007 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17



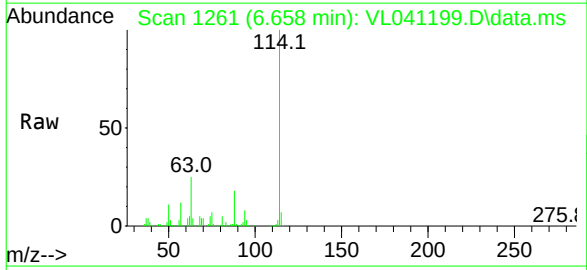
Tgt Ion: 57 Resp: 956783
Ion Ratio Lower Upper
57 100
41 91.8 75.8 113.8
43 77.3 187.0 280.4#
56 53.8 42.7 64.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1259
Delta R.T. 0.007 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17

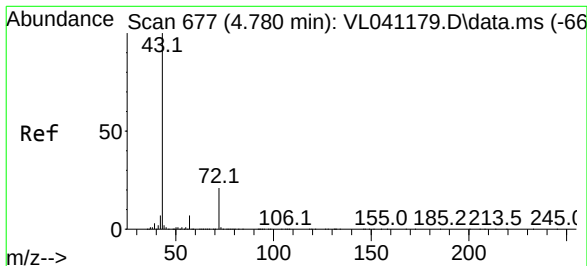
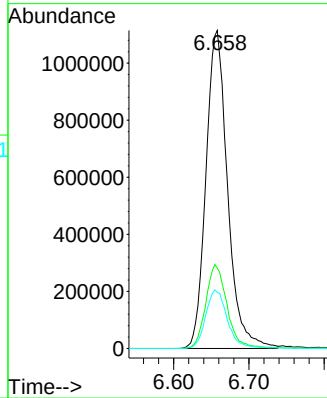
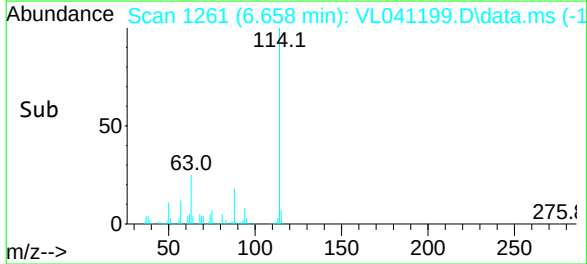
Instrument : MSVOA_L
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Tgt Ion:114 Resp: 2227666
Ion Ratio Lower Upper
114 100
63 26.2 21.8 32.6
88 18.5 15.2 22.8

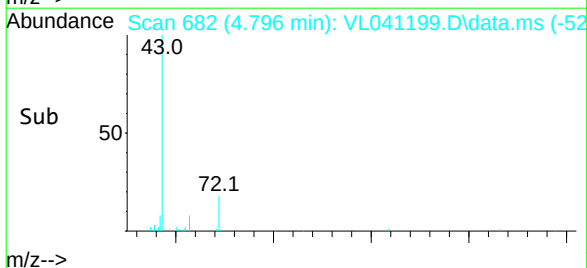
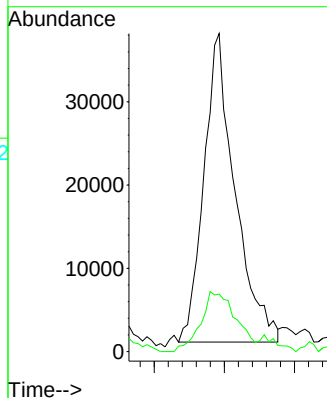
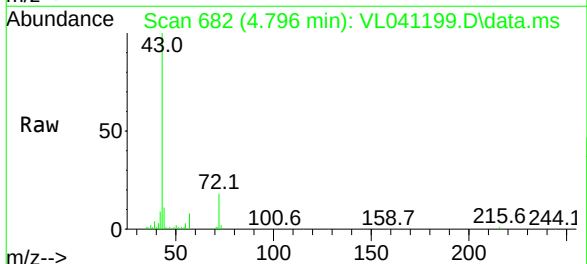
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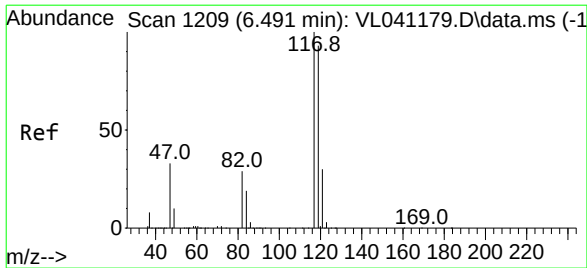
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#34
2-Butanone
Concen: 0.505 ppbv
RT: 4.796 min Scan# 682
Delta R.T. 0.013 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17

Tgt Ion: 43 Resp: 57233
Ion Ratio Lower Upper
43 100
72 26.2 17.3 25.9#





#35

Carbon Tetrachloride

Concen: 0.068 ppbv

RT: 6.497 min Scan# 1209

Delta R.T. 0.007 min

Lab File: VL041199.D

Acq: 2 May 2024 17:17

Instrument :

MSVOA_L

ClientSampleId :

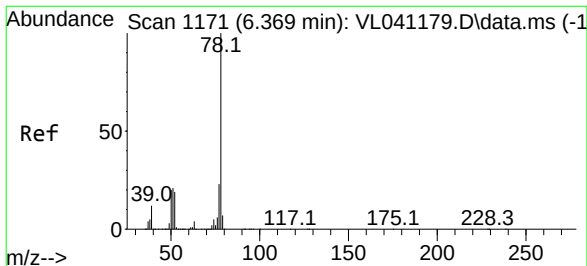
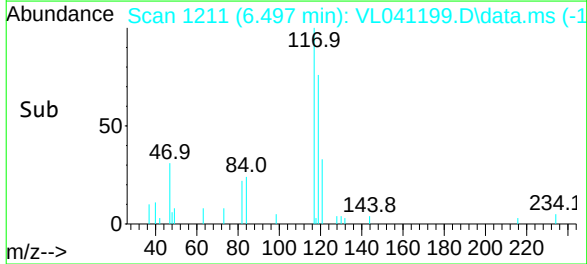
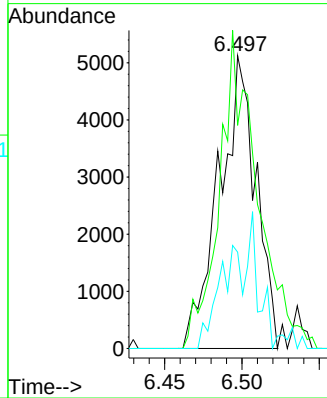
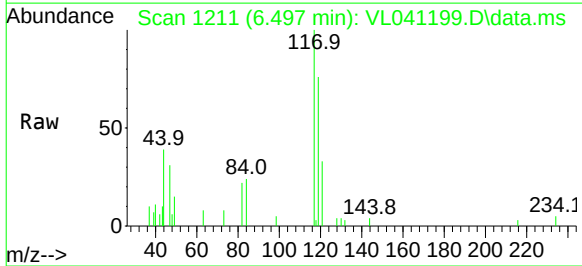
BA-03-SS01-20240425

Tgt Ion:	117	Resp:	8482
Ion	Ratio	Lower	Upper
117	100		
119	76.2	74.3	111.5
121	32.9	23.8	35.8

Manual Integrations

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#36

Benzene

Concen: 0.124 ppbv

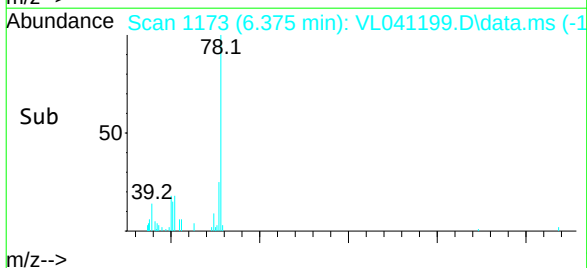
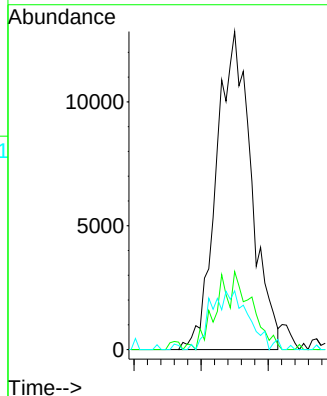
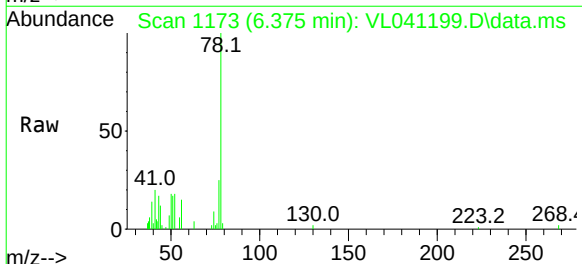
RT: 6.375 min Scan# 1173

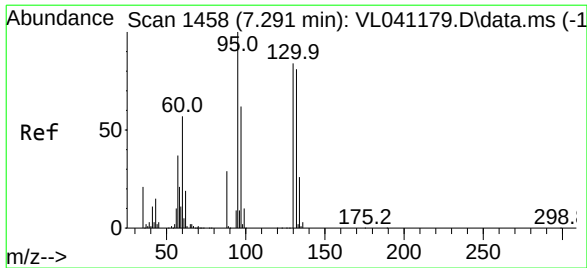
Delta R.T. 0.007 min

Lab File: VL041199.D

Acq: 2 May 2024 17:17

Tgt Ion:	78	Resp:	23168
Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5
50	17.2	15.9	23.9





#38

Trichloroethene

Concen: 0.135 ppbv m

RT: 7.288 min Scan# 14

Delta R.T. 0.000 min

Lab File: VL041199.D

Acq: 2 May 2024 17:17

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS01-20240425

Tgt Ion:130 Resp: 9416

Ion Ratio Lower Upper

130 100

95 94.7 95.0 142.6#

132 87.6 77.0 115.4

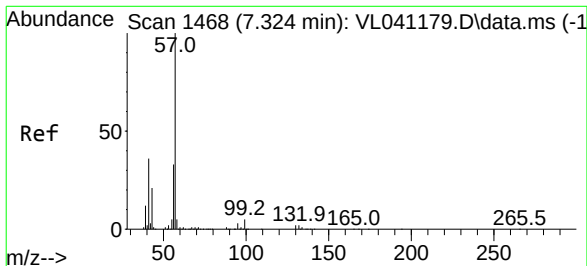
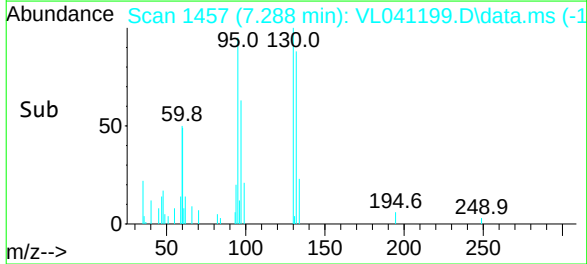
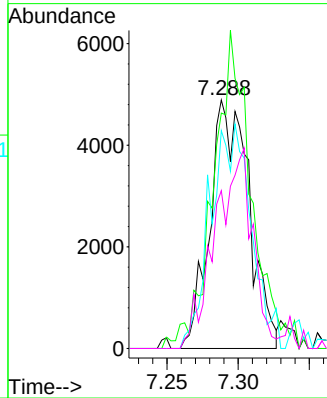
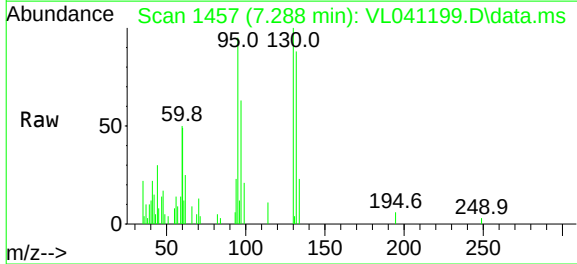
97 63.5 59.1 88.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#44

2,2,4-Trimethylpentane

Concen: 0.083 ppbv m

RT: 7.330 min Scan# 1470

Delta R.T. 0.003 min

Lab File: VL041199.D

Acq: 2 May 2024 17:17

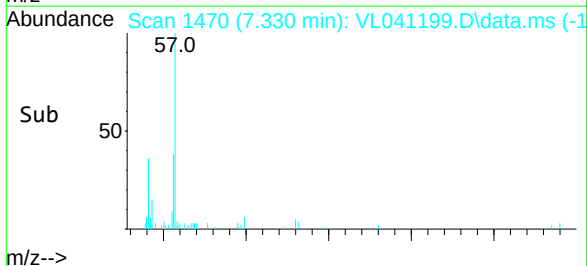
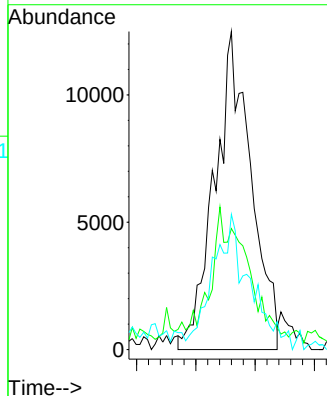
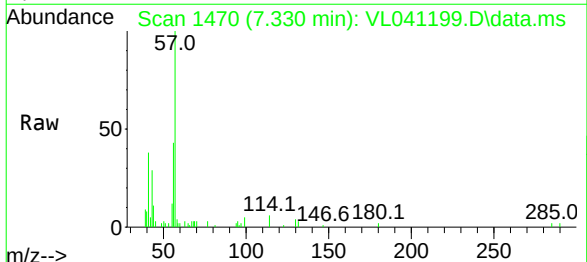
Tgt Ion: 57 Resp: 26652

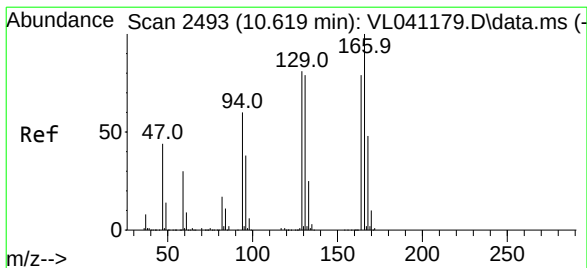
Ion Ratio Lower Upper

57 100

41 0.0 29.5 44.3#

56 0.0 25.3 37.9#





#52

Tetrachloroethene

Concen: 0.247 ppbv m

RT: 10.613 min Scan# 2493

Delta R.T. 0.000 min

Lab File: VL041199.D

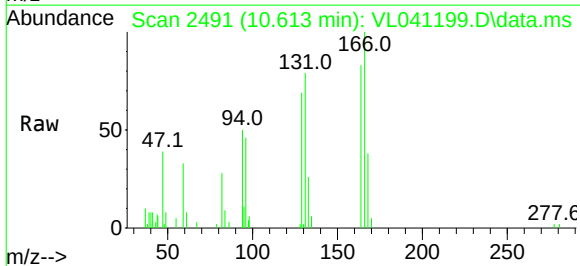
Acq: 2 May 2024 17:17

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS01-20240425



Tgt Ion: 164 Resp: 16235

Ion Ratio Lower Upper

164 100

166 120.5 101.1 151.7

129 82.7 81.7 122.5

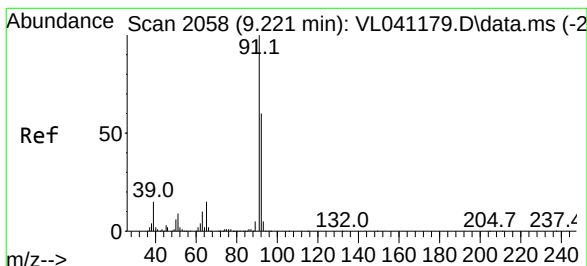
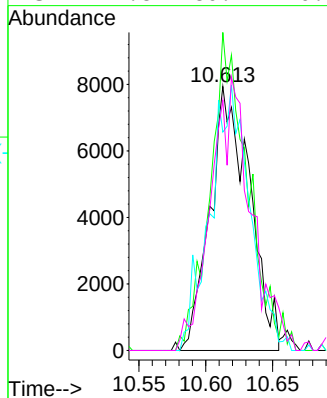
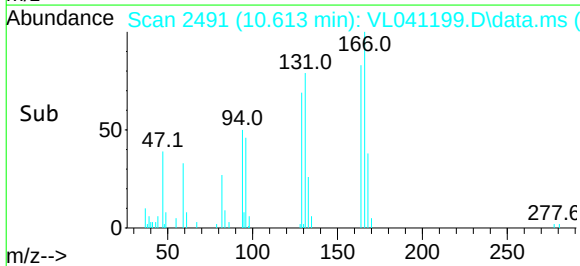
131 94.8 80.4 120.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#53

Toluene

Concen: 0.658 ppbv

RT: 9.224 min Scan# 2059

Delta R.T. 0.003 min

Lab File: VL041199.D

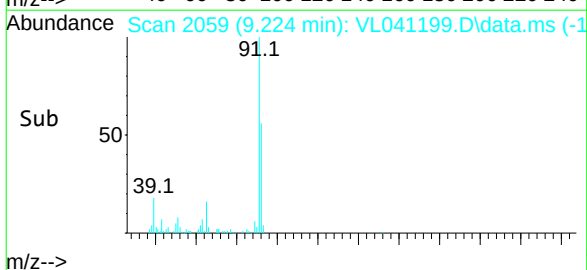
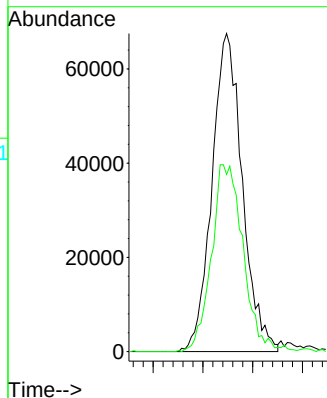
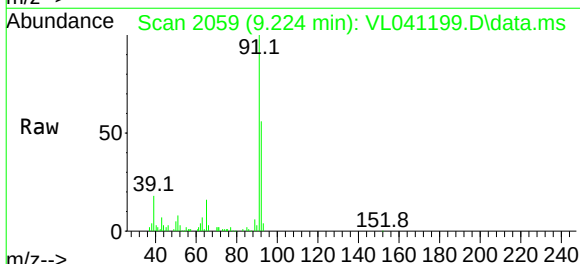
Acq: 2 May 2024 17:17

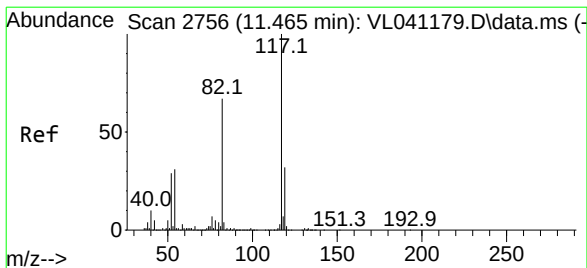
Tgt Ion: 91 Resp: 142681

Ion Ratio Lower Upper

91 100

92 61.4 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2756

Delta R.T. 0.003 min

Lab File: VL041199.D

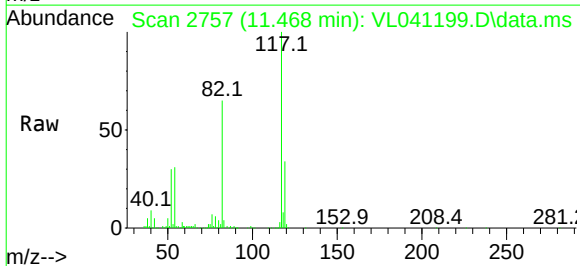
Acq: 2 May 2024 17:17

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS01-20240425



Tgt Ion:117 Resp: 1995196

Ion Ratio Lower Upper

117 100

82 67.6 53.6 80.4

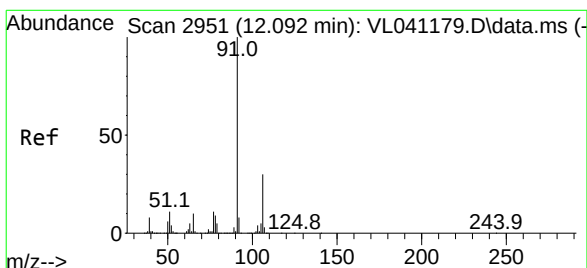
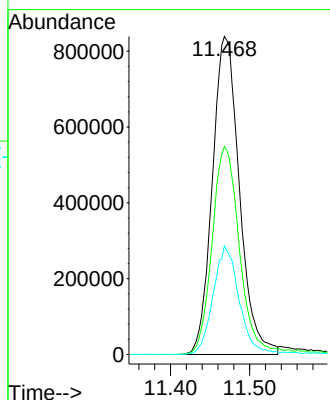
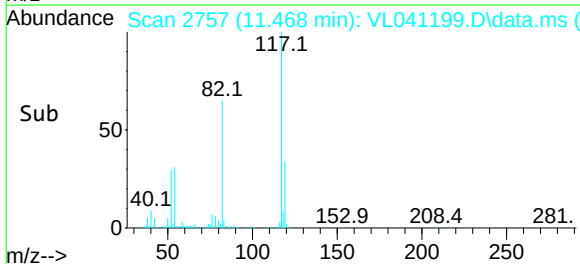
119 33.1 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#58

Ethyl Benzene

Concen: 0.074 ppbv m

RT: 12.089 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VL041199.D

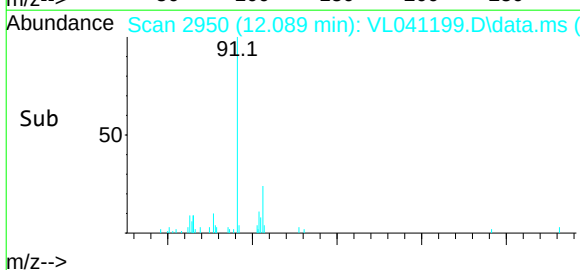
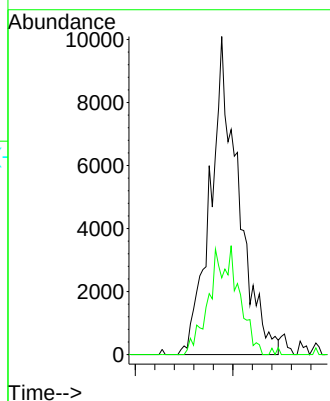
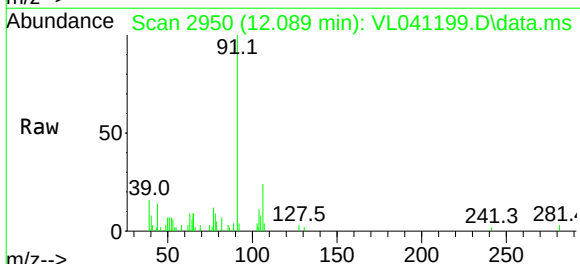
Acq: 2 May 2024 17:17

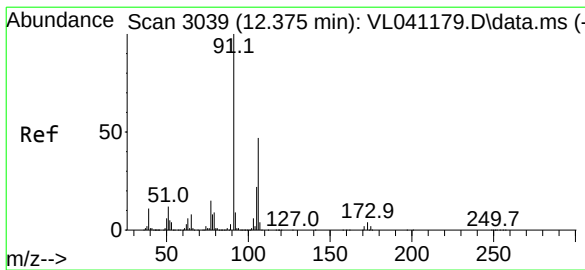
Tgt Ion: 91 Resp: 20184

Ion Ratio Lower Upper

91 100

106 24.1 24.3 36.5#





#59

m/p-Xylene

Concen: 0.250 ppbv m

RT: 12.381 min Scan# 3039

Delta R.T. 0.010 min

Lab File: VL041199.D

Acq: 2 May 2024 17:17

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS01-20240425

Tgt Ion: 91 Resp: 57577

Ion Ratio Lower Upper

91 100

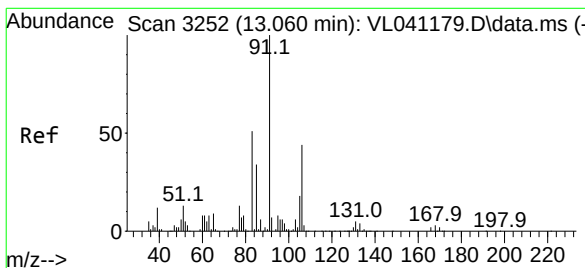
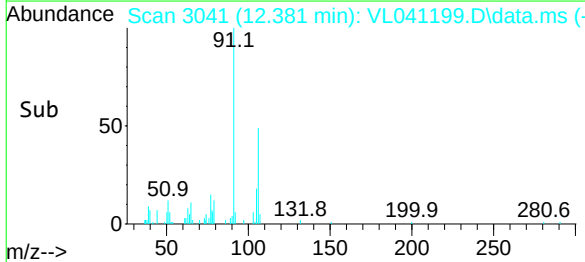
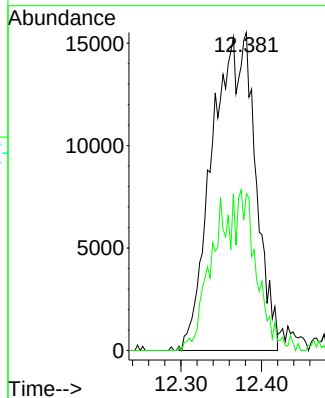
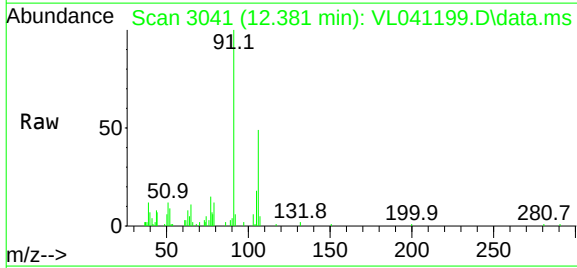
106 48.7 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#60

o-Xylene

Concen: 0.072 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.007 min

Lab File: VL041199.D

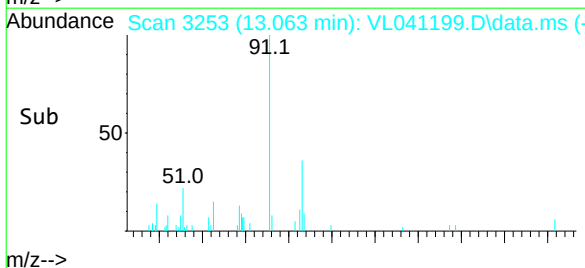
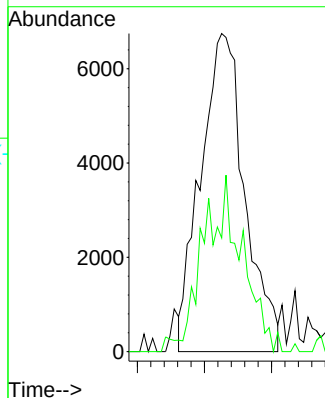
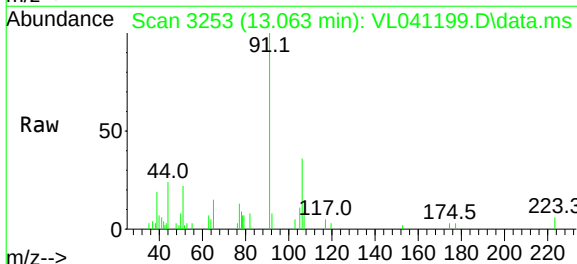
Acq: 2 May 2024 17:17

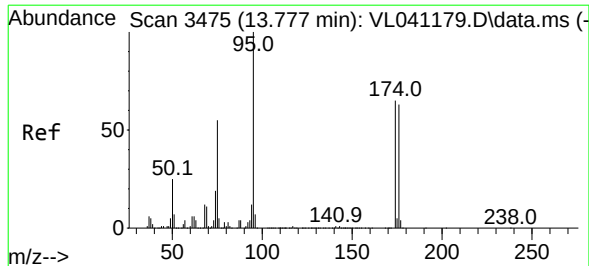
Tgt Ion: 91 Resp: 15411

Ion Ratio Lower Upper

91 100

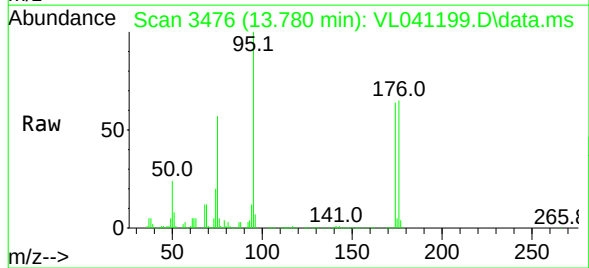
106 48.8 22.4 67.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.036 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.007 min
Lab File: VL041199.D
Acq: 2 May 2024 17:17

Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425



Tgt Ion: 95 Resp: 1511660
Ion Ratio Lower Upper
95 100
174 67.0 53.6 80.4
175 4.9 4.2 6.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

