

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041205.D
 Acq On : 2 May 2024 21:25
 Operator : SY/MD
 Sample : P2334-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-IA01-20240425

Manual Integrations
 APPROVED

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

Quant Time: May 03 03:44:54 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	5.192	49	810652	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2026912	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	1920859	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1424946	9.826	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.739	85	41110	0.375	ppbv	89
4) Chloromethane	2.822	50	27156	0.562	ppbv #	79
9) Propene	2.713	41	67547m	1.402	ppbv	
10) Heptane	7.571	43	13608m	0.117	ppbv	
11) Trichlorofluoromethane	3.568	101	26862	0.241	ppbv	88
13) Ethanol	3.240	45	1716411	158.911	ppbv	99
15) Acetone	3.472	43	894497	9.350	ppbv	98
19) Isopropyl Alcohol	3.581	45	816312	13.003	ppbv #	44
20) Methylene Chloride	3.938	84	58150	1.748	ppbv	96
26) Hexane	5.211	57	192516	2.259	ppbv #	56
34) 2-Butanone	4.790	43	73262	0.710	ppbv	100
35) Carbon Tetrachloride	6.491	117	7970m	0.070	ppbv	
36) Benzene	6.362	78	35131	0.207	ppbv #	90
37) 1,2-Dichloroethane	5.806	62	13284m	0.150	ppbv	
44) 2,2,4-Trimethylpentane	7.324	57	30935	0.105	ppbv #	75
50) 4-Methyl-2-Pentanone	8.198	43	20425m	0.110	ppbv	
52) Tetrachloroethene	10.616	164	16229m	0.271	ppbv	
53) Toluene	9.217	91	153230	0.777	ppbv	96
58) Ethyl Benzene	12.082	91	22252m	0.084	ppbv	
59) m/p-Xylene	12.336	91	53778m	0.243	ppbv	
60) o-Xylene	13.053	91	17316m	0.083	ppbv	

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

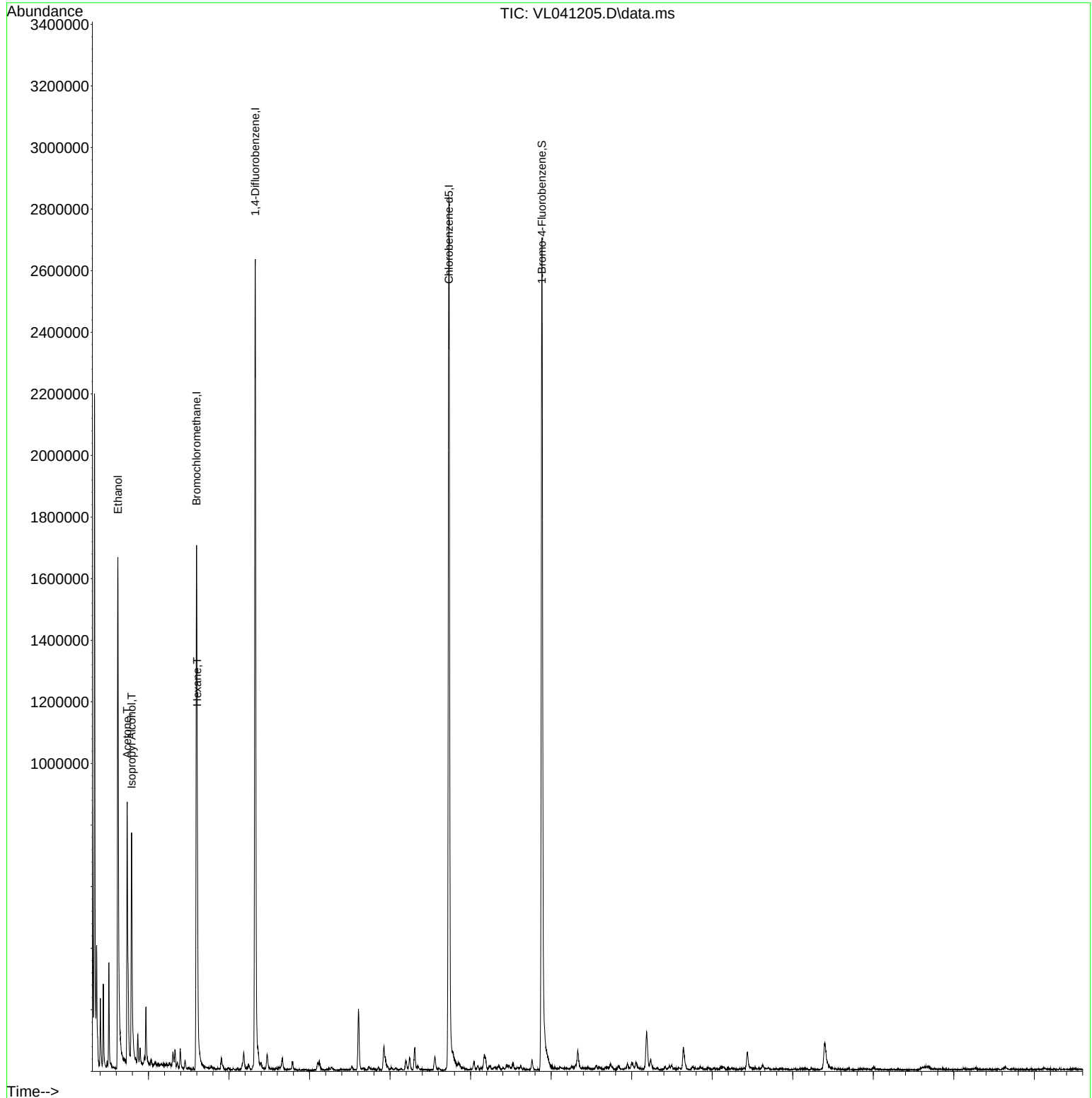
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
Data File : VL041205.D
Acq On : 2 May 2024 21:25
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ALS Vial : 1 Sample Multiplier: 1

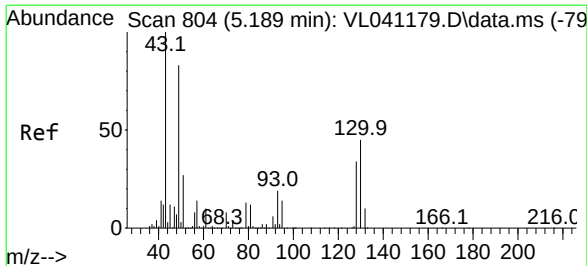
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA01-20240425

Quant Time: May 03 03:44:54 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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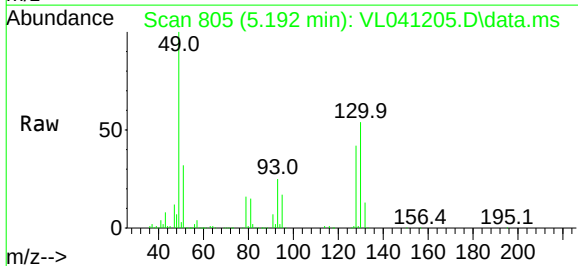
Reviewed By : Semsettin Yesilyurt 05/06/2024
Supervised By : Mahesh Dadoda 05/07/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

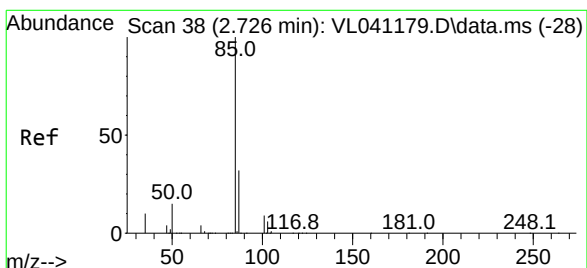
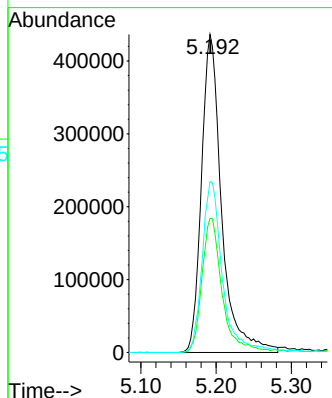
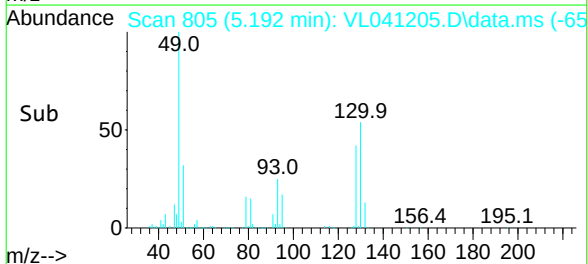
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA01-20240425



Tgt Ion: 49 Resp: 810652
Ion Ratio Lower Upper
49 100
128 43.0 21.5 64.5
130 55.8 27.2 81.6

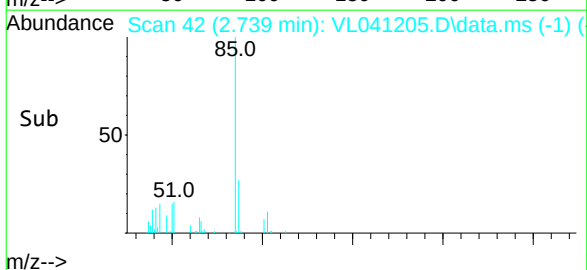
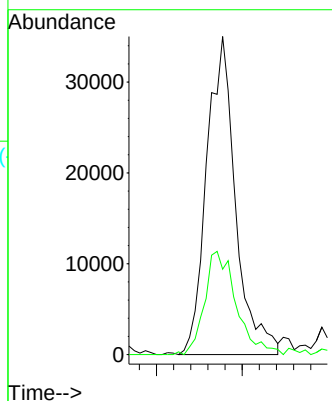
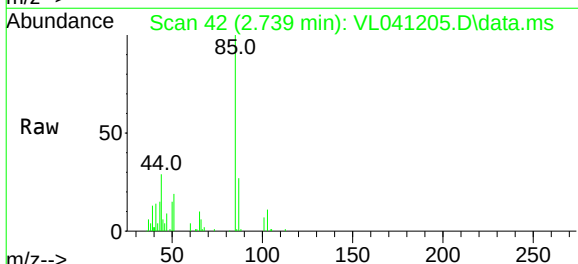
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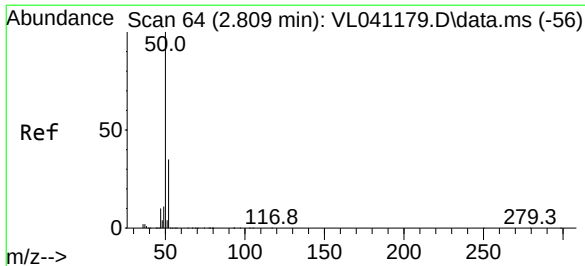
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.375 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.010 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

Tgt Ion: 85 Resp: 41110
Ion Ratio Lower Upper
85 100
87 26.0 25.7 38.5





#4

Chloromethane

Concen: 0.562 ppbv

RT: 2.822 min Scan# 68

Delta R.T. 0.010 min

Lab File: VL041205.D

Acq: 2 May 2024 21:25

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA01-20240425

Tgt Ion: 50 Resp: 27156

Ion Ratio Lower Upper

50 100

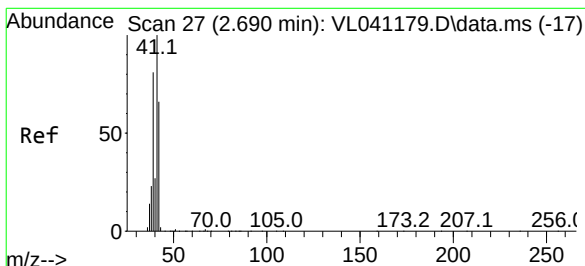
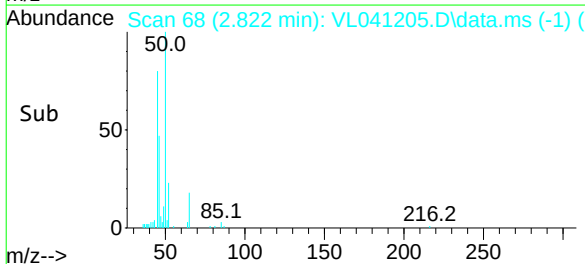
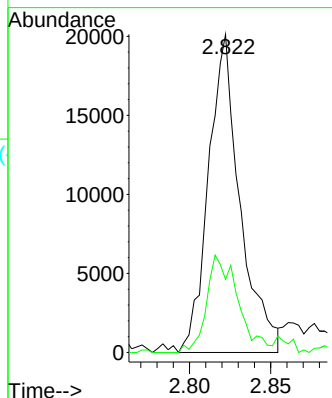
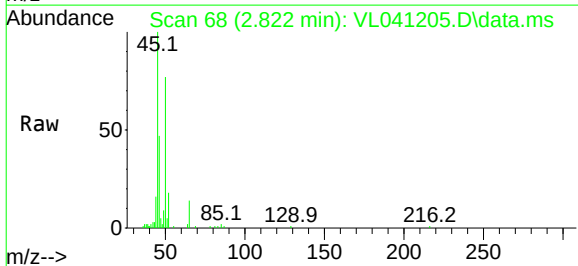
52 23.0 28.3 42.5#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#9

Propene

Concen: 1.402 ppbv m

RT: 2.713 min Scan# 34

Delta R.T. 0.019 min

Lab File: VL041205.D

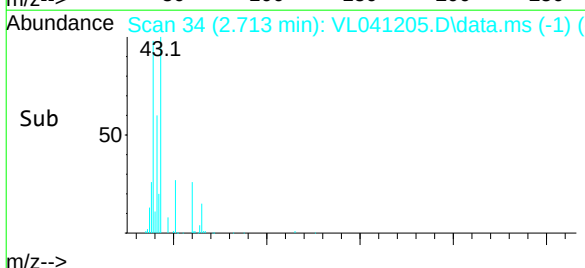
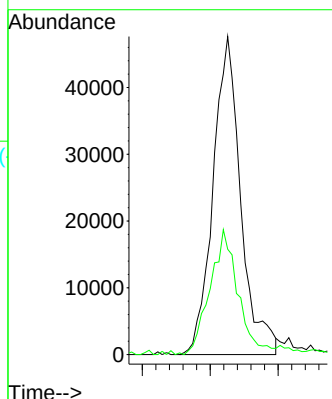
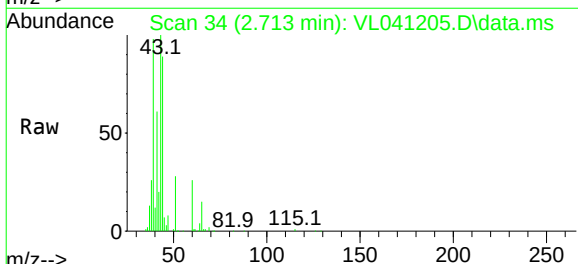
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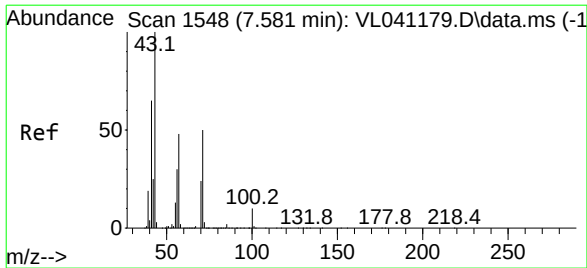
Tgt Ion: 41 Resp: 67547

Ion Ratio Lower Upper

41 100

42 71.4 55.3 82.9





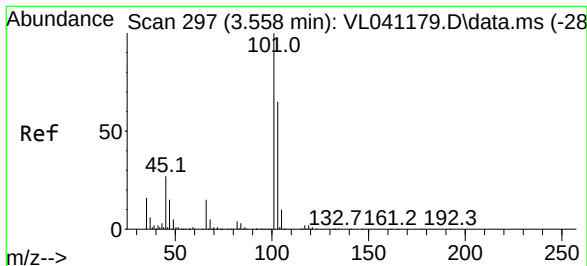
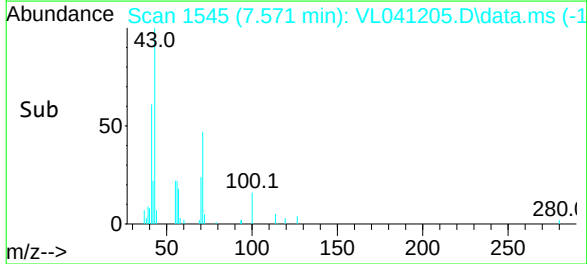
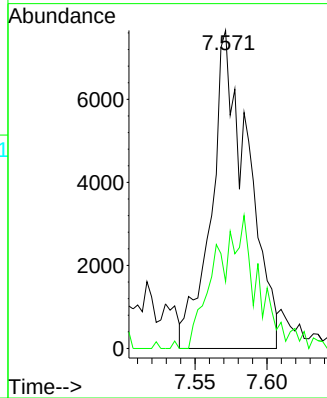
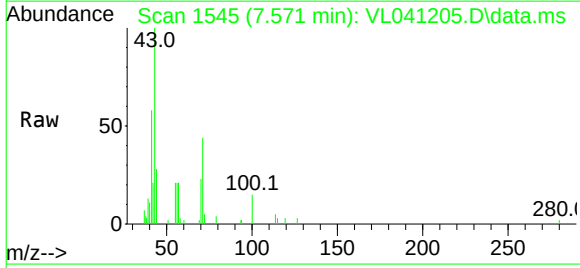
#10
Heptane
Concen: 0.117 ppbv m
RT: 7.571 min Scan# 15
Delta R.T. -0.009 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA01-20240425

Tgt Ion: 43 Resp: 13608
Ion Ratio Lower Upper
43 100
57 49.6 38.7 58.1

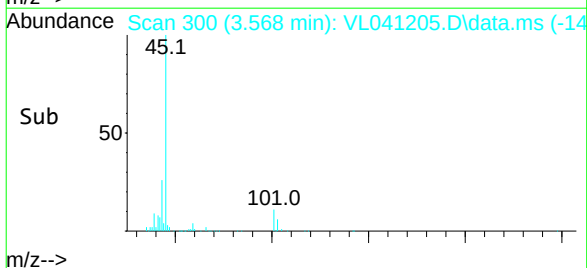
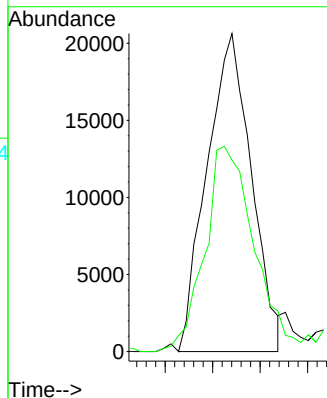
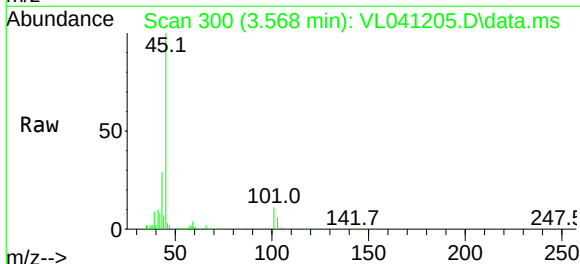
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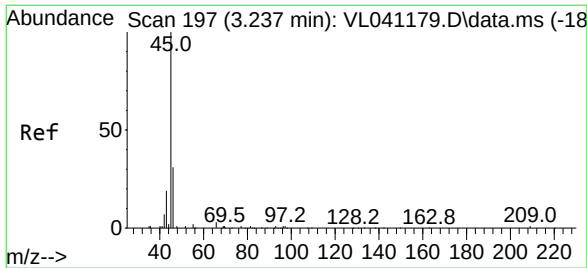
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#11
Trichlorofluoromethane
Concen: 0.241 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.010 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

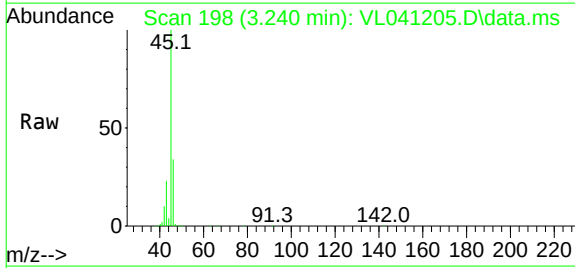
Tgt Ion:101 Resp: 26862
Ion Ratio Lower Upper
101 100
103 55.1 51.6 77.4





#13
Ethanol
Concen: 158.911 ppbv
RT: 3.240 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

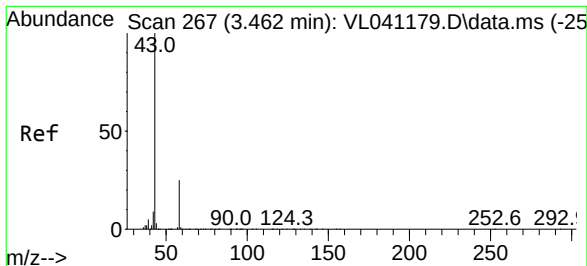
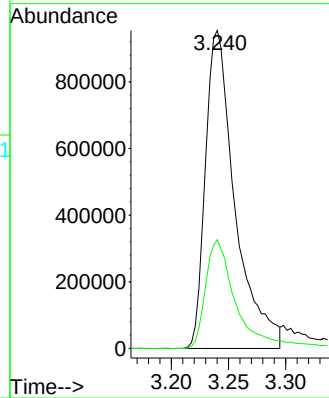
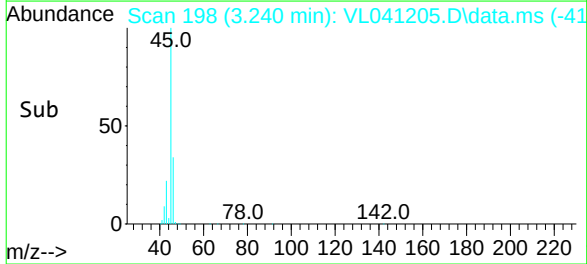
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA01-20240425



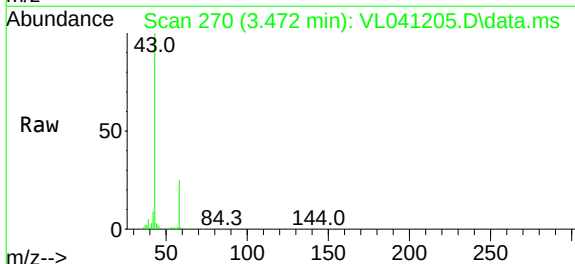
Tgt Ion: 45 Resp: 1716411
Ion Ratio Lower Upper
45 100
46 37.5 14.8 59.0

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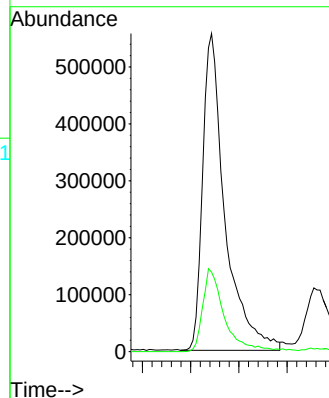
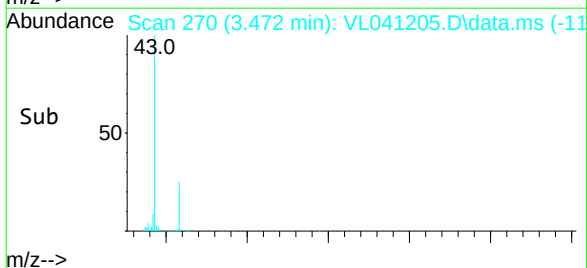
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

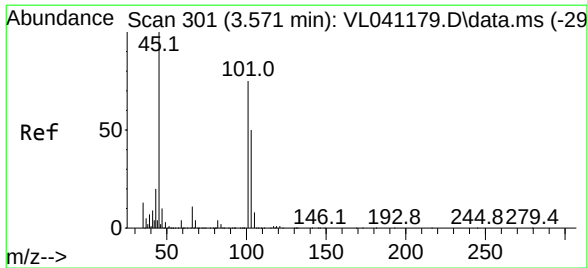


#15
Acetone
Concen: 9.350 ppbv
RT: 3.472 min Scan# 270
Delta R.T. 0.007 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25



Tgt Ion: 43 Resp: 894497
Ion Ratio Lower Upper
43 100
58 25.5 21.4 32.0





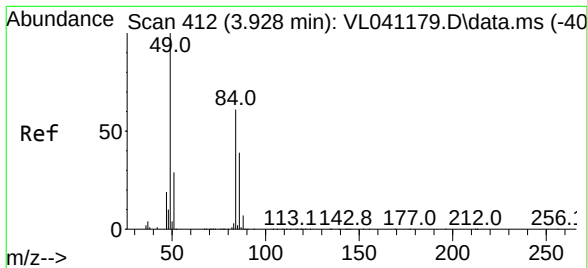
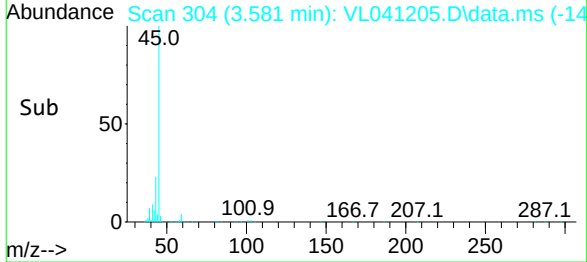
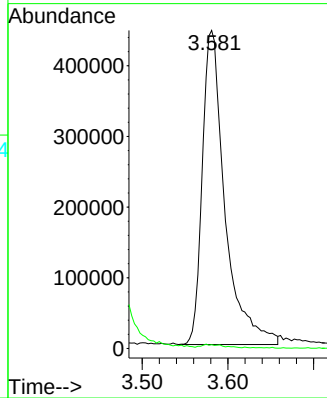
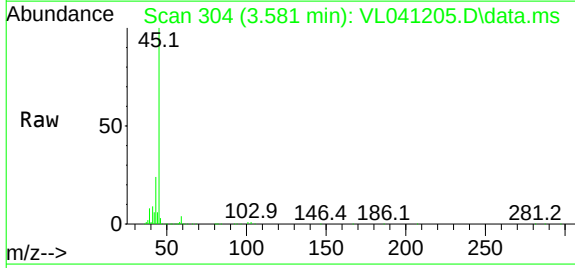
#19
Isopropyl Alcohol
Concen: 13.003 ppbv
RT: 3.581 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA01-20240425

Tgt Ion: 45 Resp: 816312
Ion Ratio Lower Upper
45 100
58 1.5 26.8 40.2#

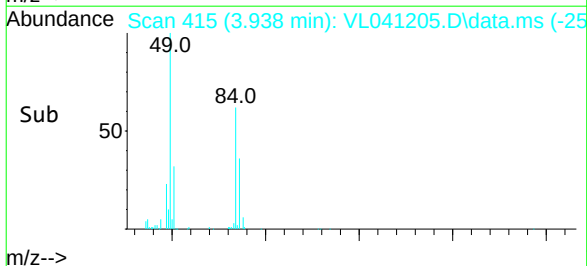
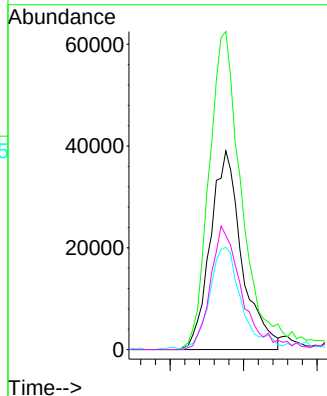
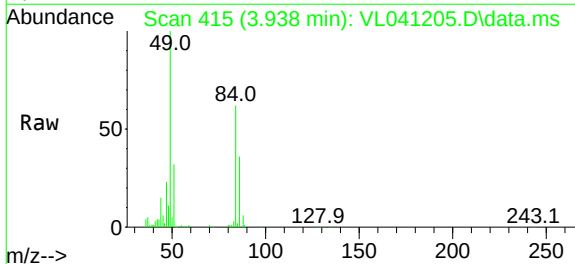
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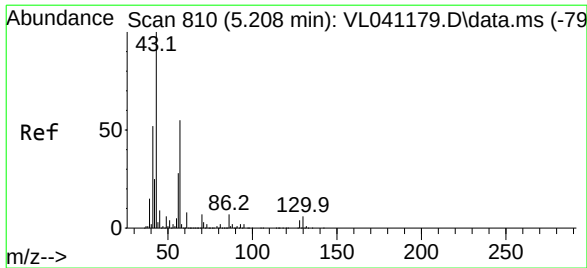
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#20
Methylene Chloride
Concen: 1.748 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.007 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

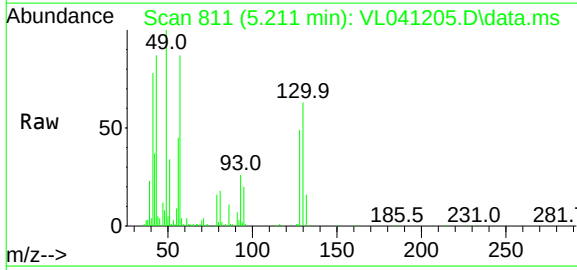
Tgt Ion: 84 Resp: 58150
Ion Ratio Lower Upper
84 100
49 160.1 130.4 195.6
51 51.0 38.0 57.0
86 57.5 50.3 75.5





#26
Hexane
Concen: 2.259 ppbv
RT: 5.211 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

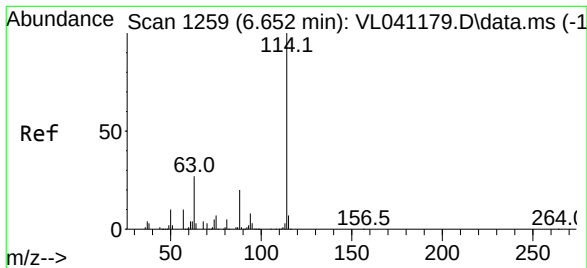
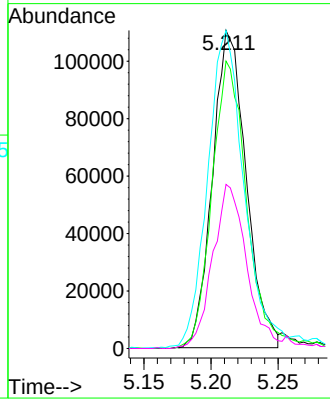
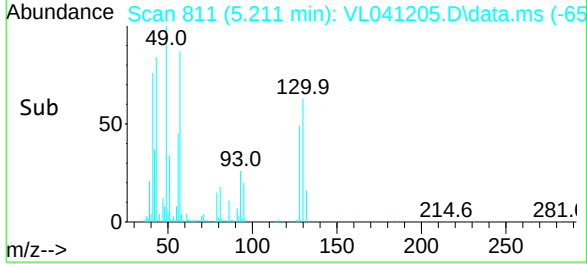
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA01-20240425



Tgt Ion: 57 Resp: 192516
Ion Ratio Lower Upper
57 100
41 95.8 75.8 113.8
43 114.5 187.0 280.4#
56 54.5 42.7 64.1

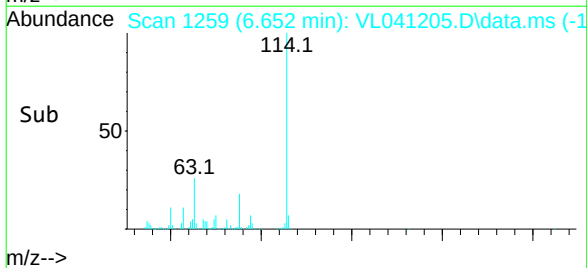
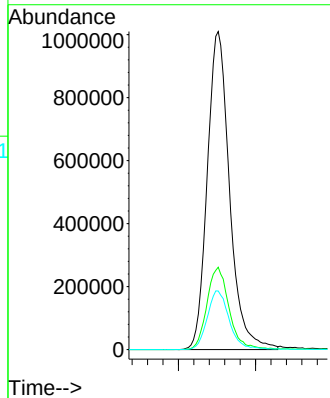
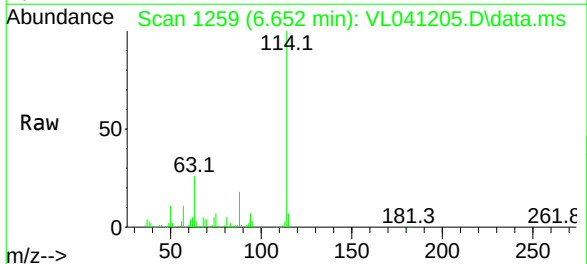
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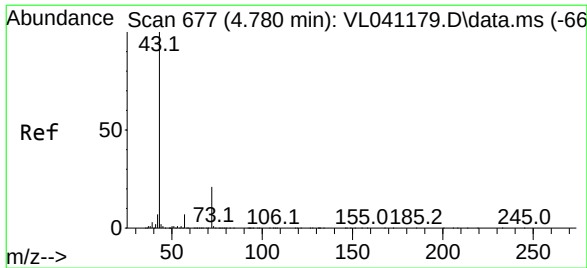
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

Tgt Ion:114 Resp: 2026912
Ion Ratio Lower Upper
114 100
63 26.0 21.8 32.6
88 18.4 15.2 22.8





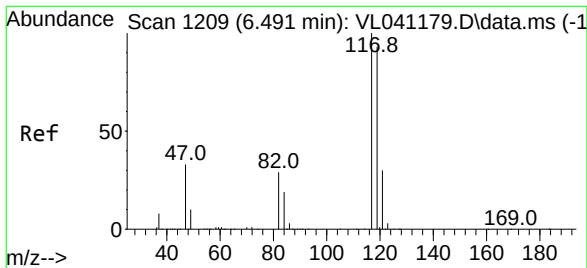
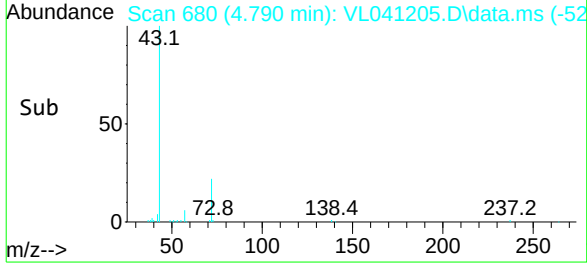
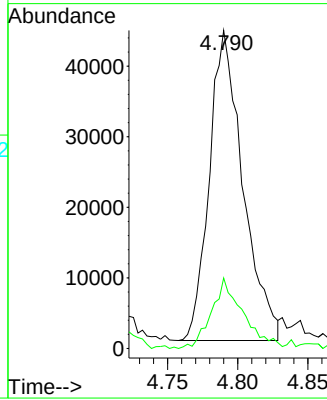
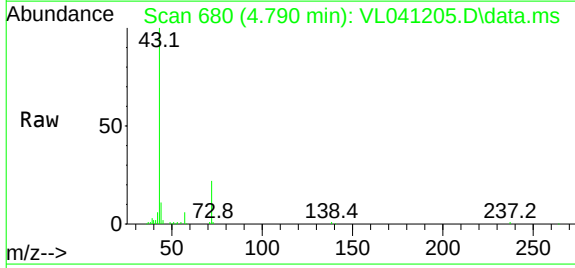
#34
2-Butanone
Concen: 0.710 ppbv
RT: 4.790 min Scan# 68
Delta R.T. 0.007 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA01-20240425

Tgt Ion: 43 Resp: 73262
Ion Ratio Lower Upper
43 100
72 21.7 17.3 25.9

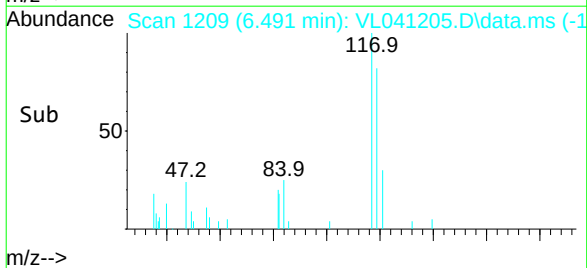
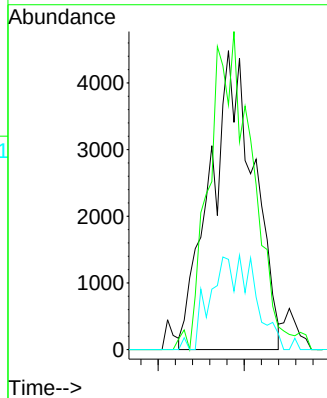
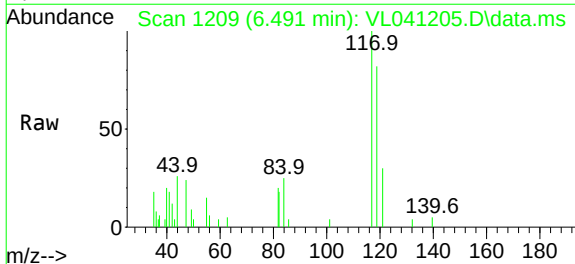
Manual Integrations
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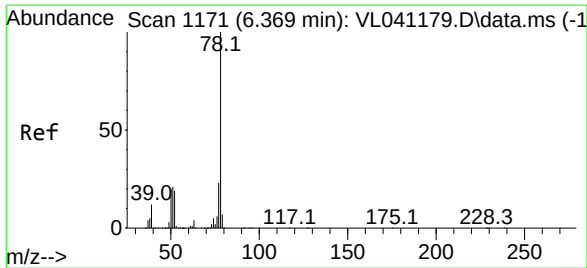
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

Tgt Ion:117 Resp: 7970
Ion Ratio Lower Upper
117 100
119 81.8 74.3 111.5
121 30.2 23.8 35.8





#36

Benzene

Concen: 0.207 ppbv

RT: 6.362 min Scan# 1171

Delta R.T. -0.006 min

Lab File: VL041205.D

Acq: 2 May 2024 21:25

Instrument :

MSVOA_L

ClientSampleId :

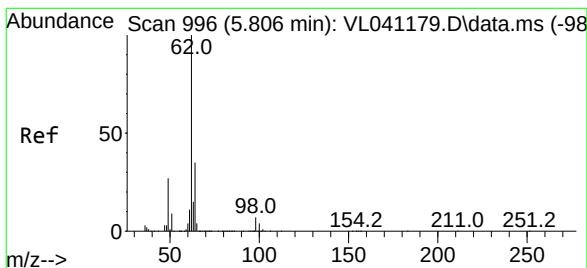
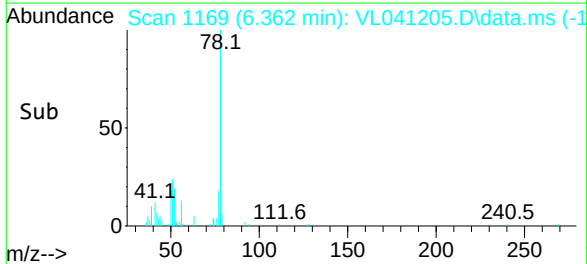
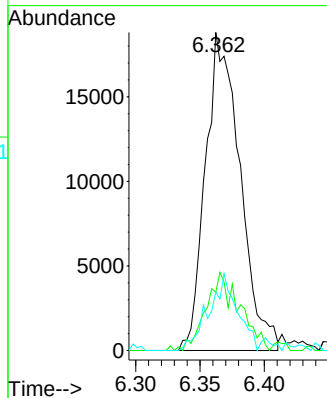
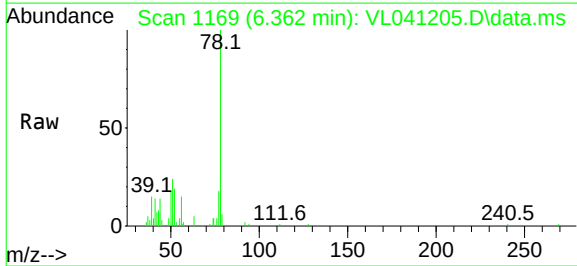
BA-03-IA01-20240425

Tgt	Ion: 78	Resp:	35131
Ion	Ratio	Lower	Upper
78	100		
77	17.2	18.3	27.5#
50	16.6	15.9	23.9

Manual Integrations

APPROVED

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



#37

1,2-Dichloroethane

Concen: 0.150 ppbv m

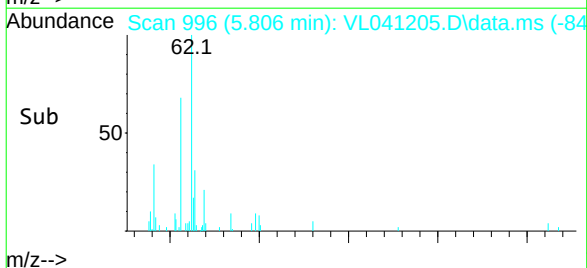
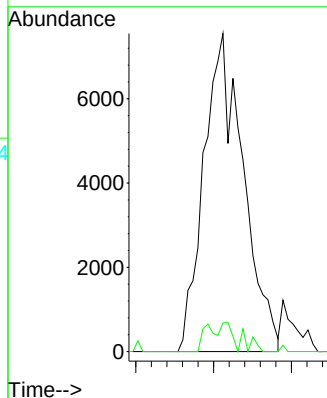
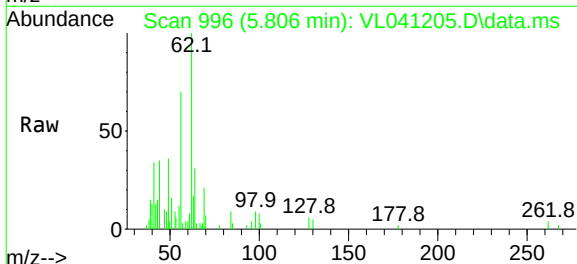
RT: 5.806 min Scan# 996

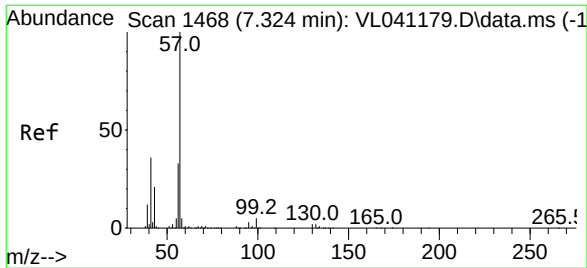
Delta R.T. 0.000 min

Lab File: VL041205.D

Acq: 2 May 2024 21:25

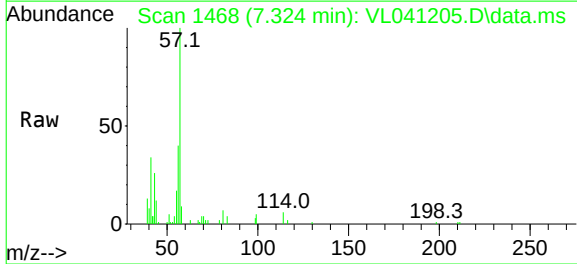
Tgt	Ion: 62	Resp:	13284
Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.0	7.4#





#44
2,2,4-Trimethylpentane
Concen: 0.105 ppbv
RT: 7.324 min Scan# 1468
Delta R.T. -0.003 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

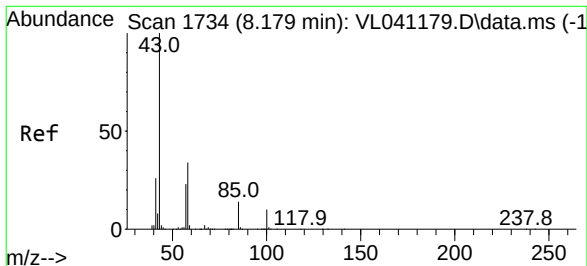
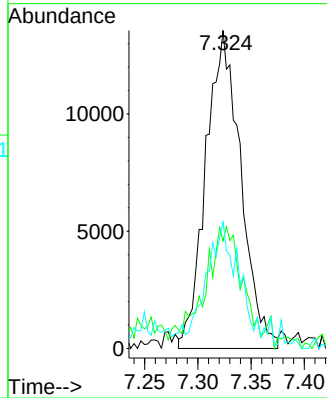
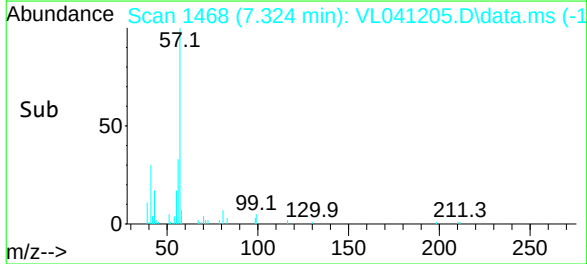
Instrument : MSVOA_L
ClientSampleId : BA-03-IA01-20240425



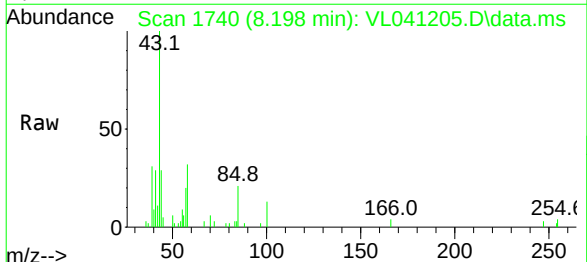
Tgt Ion: 57 Resp: 30935
Ion Ratio Lower Upper
57 100
41 56.2 29.5 44.3#
56 40.6 25.3 37.9#

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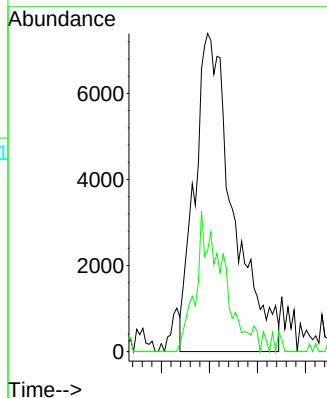
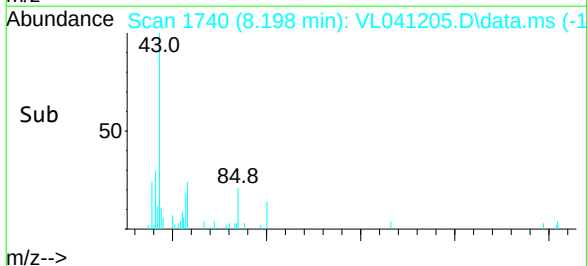
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

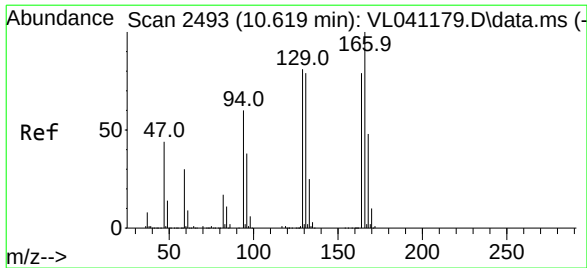


#50
4-Methyl-2-Pentanone
Concen: 0.110 ppbv m
RT: 8.198 min Scan# 1740
Delta R.T. 0.019 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25



Tgt Ion: 43 Resp: 20425
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5#





#52

Tetrachloroethene

Concen: 0.271 ppbv

RT: 10.616 min Scan# 2493

Delta R.T. 0.003 min

Lab File: VL041205.D

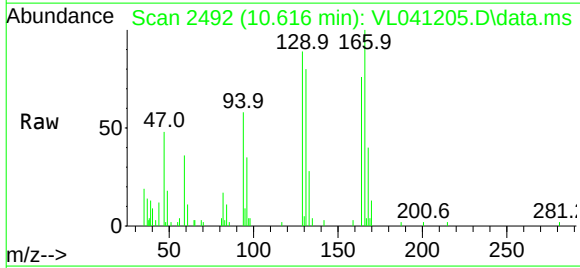
Acq: 2 May 2024 21:25

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA01-20240425



Tgt Ion: 164 Resp: 16229

Ion Ratio Lower Upper

164 100

166 131.3 101.1 151.7

129 117.3 81.7 122.5

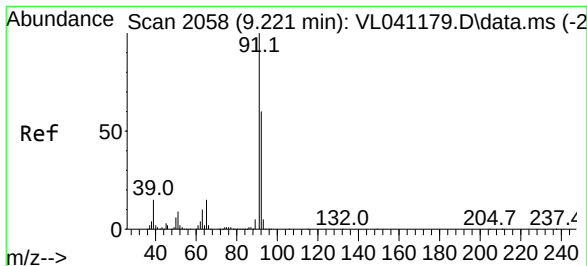
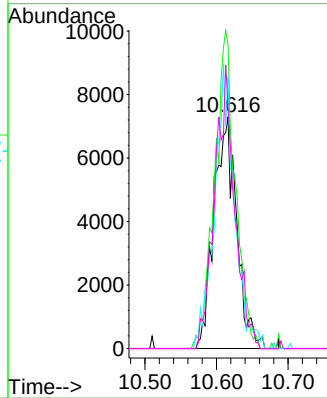
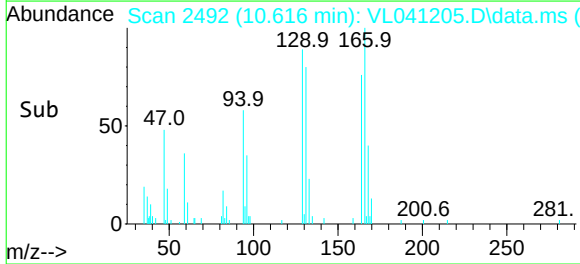
131 104.5 80.4 120.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#53

Toluene

Concen: 0.777 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. -0.003 min

Lab File: VL041205.D

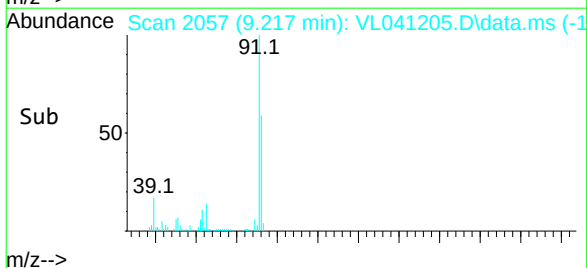
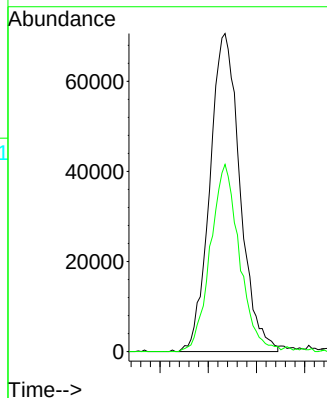
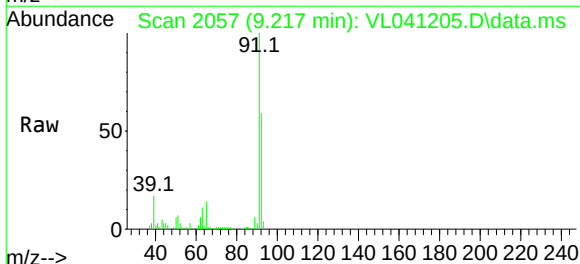
Acq: 2 May 2024 21:25

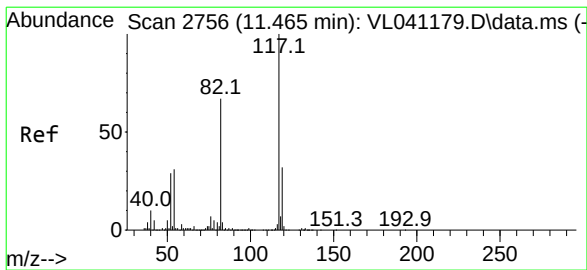
Tgt Ion: 91 Resp: 153230

Ion Ratio Lower Upper

91 100

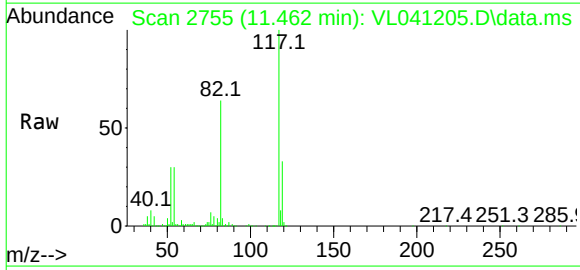
92 57.6 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2756
Delta R.T. -0.003 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

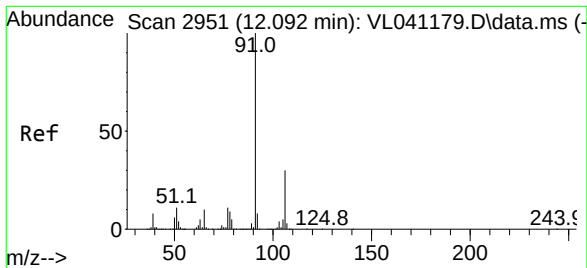
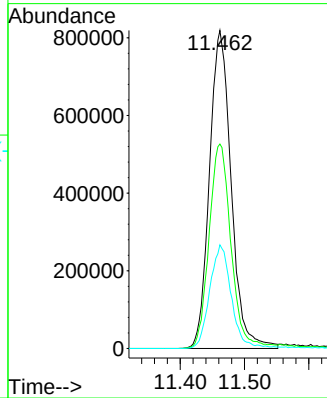
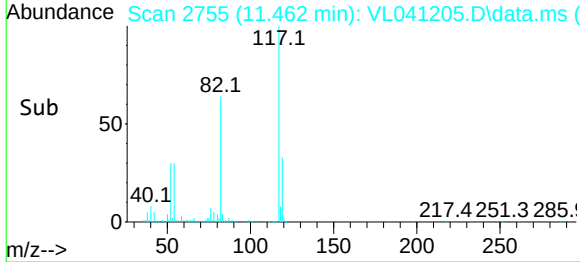
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA01-20240425



Tgt Ion:117 Resp: 1920859
Ion Ratio Lower Upper
117 100
82 66.7 53.6 80.4
119 33.1 27.2 40.8

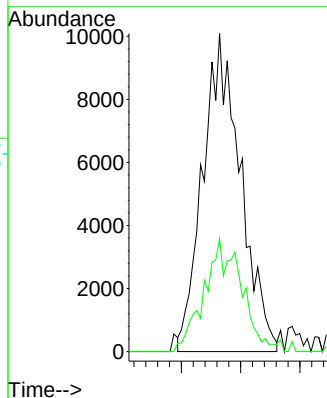
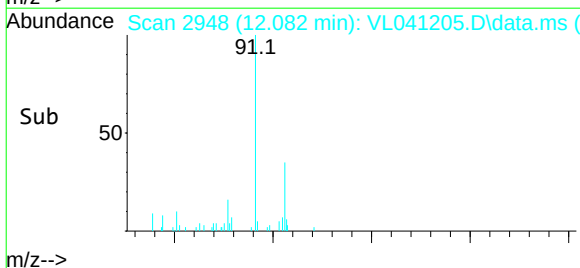
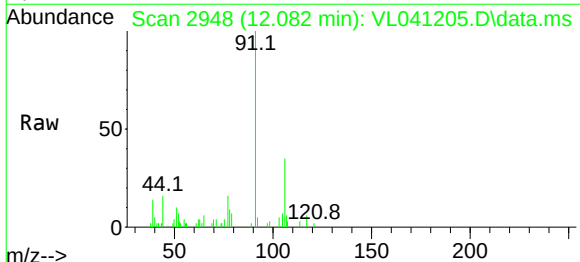
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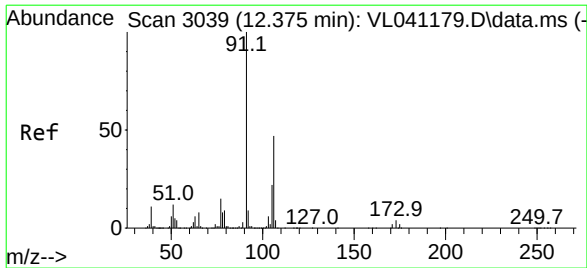
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#58
Ethyl Benzene
Concen: 0.084 ppbv m
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

Tgt Ion: 91 Resp: 22252
Ion Ratio Lower Upper
91 100
106 35.5 24.3 36.5





#59

m/p-Xylene

Concen: 0.243 ppbv m

RT: 12.336 min Scan# 3039

Delta R.T. -0.035 min

Lab File: VL041205.D

Acq: 2 May 2024 21:25

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA01-20240425

Tgt Ion: 91 Resp: 53778

Ion Ratio Lower Upper

91 100

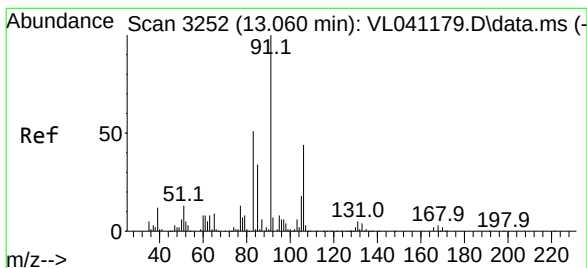
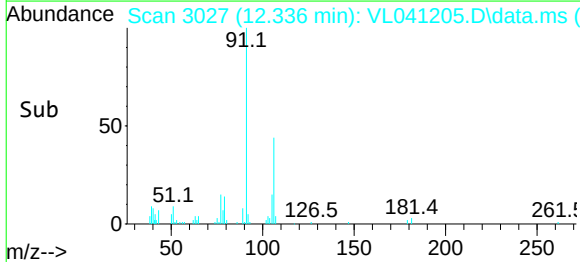
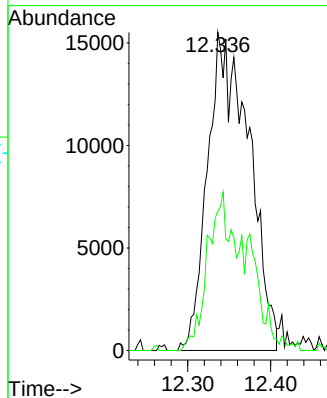
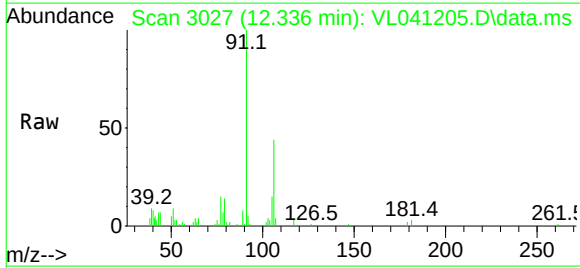
106 0.0 35.7 53.5#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#60

o-Xylene

Concen: 0.083 ppbv m

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041205.D

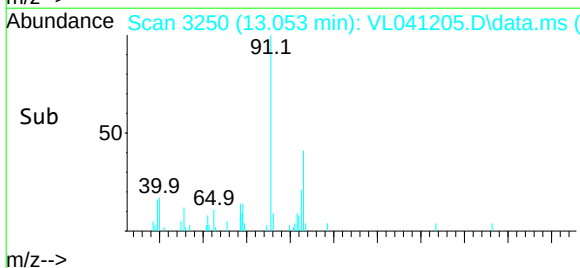
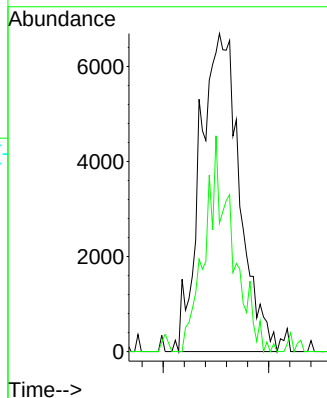
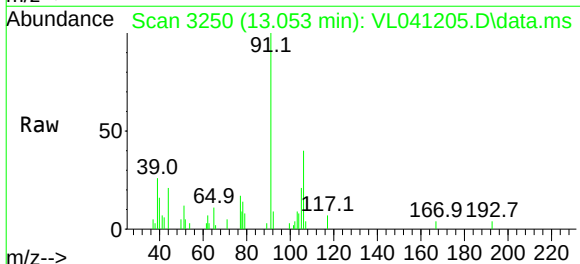
Acq: 2 May 2024 21:25

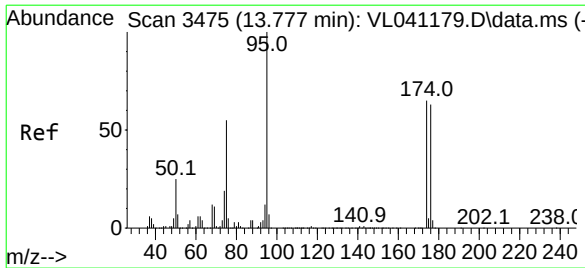
Tgt Ion: 91 Resp: 17316

Ion Ratio Lower Upper

91 100

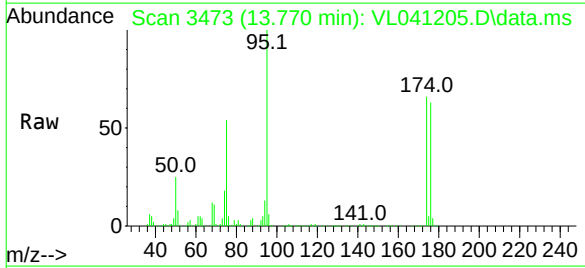
106 47.8 22.4 67.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.826 ppbv
RT: 13.770 min Scan# 3475
Delta R.T. -0.003 min
Lab File: VL041205.D
Acq: 2 May 2024 21:25

Instrument : MSVOA_L
ClientSampleId : BA-03-IA01-20240425



Tgt Ion: 95 Resp: 1424946
Ion Ratio Lower Upper
95 100
174 67.9 53.6 80.4
175 5.1 4.2 6.4

Manual Integrations
APPROVED

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

