

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
 Data File : VL041099.D
 Acq On : 12 Mar 2024 15:08
 Operator : SY/MD
 Sample : P1718-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/13/2024
 Supervised By :Mahesh Dadoda 03/13/2024

Quant Time: Mar 13 01:29:41 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Wed Mar 13 01:22:02 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1221231	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3088350	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2540444	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1942416	9.779	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	55678	0.239	ppbv	99
3) Chlorodifluoromethane	2.671	51	51920m	0.289	ppbv	
4) Chloromethane	2.806	50	41730	0.615	ppbv	92
9) Propene	2.697	41	50679	0.848	ppbv	83
11) Trichlorofluoromethane	3.558	101	41345	0.230	ppbv #	79
12) 1,1,2-Trichlorotrifluo...	4.066	101	9115	0.069	ppbv	89
13) Ethanol	3.247	45	80207m	5.039	ppbv	
15) Acetone	3.472	43	518583	3.727	ppbv	96
19) Isopropyl Alcohol	3.587	45	65785	0.885	ppbv #	84
20) Methylene Chloride	3.935	84	95326	1.757	ppbv	97
26) Hexane	5.218	57	86468	0.772	ppbv #	45
34) 2-Butanone	4.809	43	25921m	0.170	ppbv	
35) Carbon Tetrachloride	6.494	117	13019m	0.072	ppbv	
36) Benzene	6.375	78	53930	0.235	ppbv #	91
44) 2,2,4-Trimethylpentane	7.340	57	42408m	0.110	ppbv	
52) Tetrachloroethene	10.632	164	3341m	0.047	ppbv	
53) Toluene	9.233	91	202300	0.816	ppbv	98
58) Ethyl Benzene	12.101	91	23341m	0.078	ppbv	
59) m/p-Xylene	12.362	91	67315m	0.258	ppbv	
60) o-Xylene	13.069	91	21186m	0.085	ppbv	

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

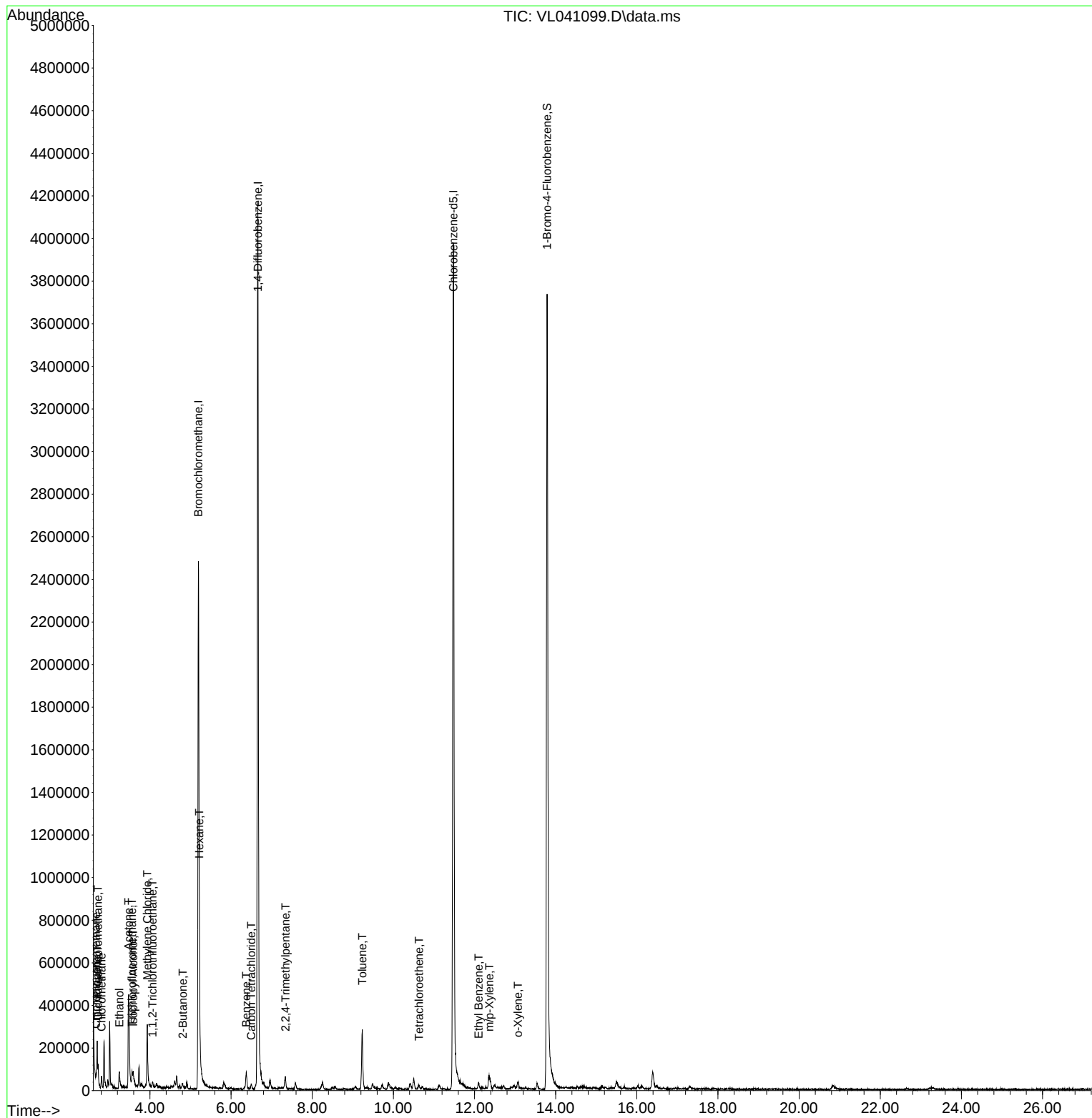
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
Data File : VL041099.D
Acq On : 12 Mar 2024 15:08
Operator : SY/MD
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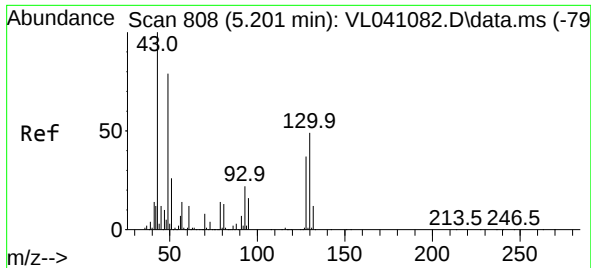
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Mar 13 01:29:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 13 01:22:02 2024
Response via : Initial Calibration

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Supervised By : Mahesh Dadoda 03/13/2024





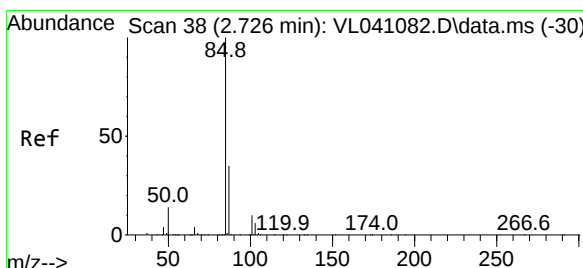
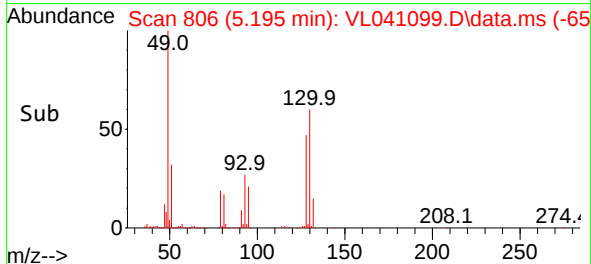
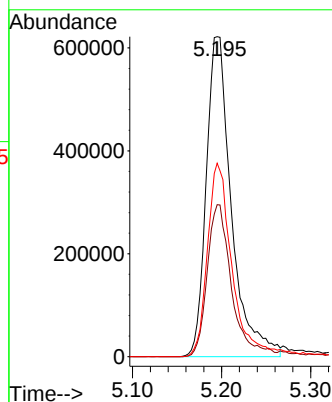
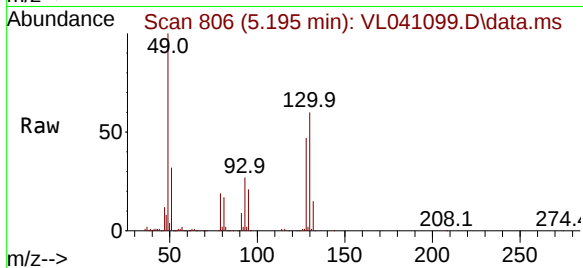
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 122123
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.5
130 61.3 30.3 90.9

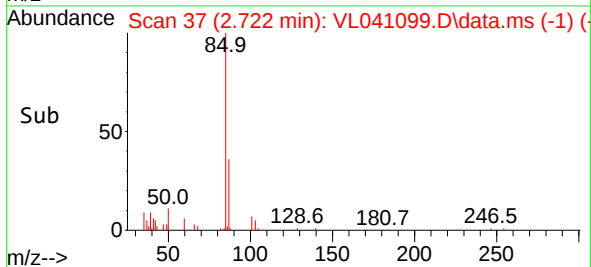
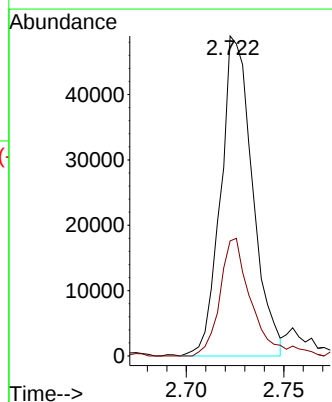
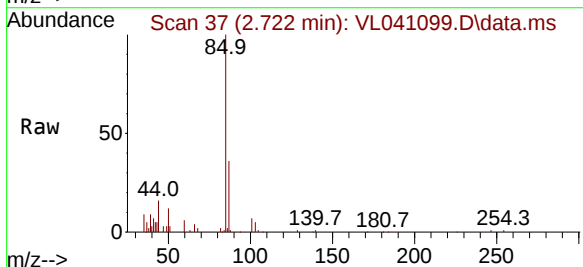
Manual Integrations
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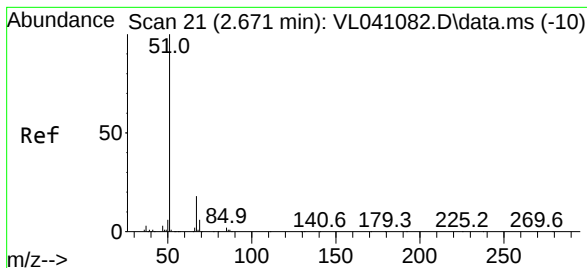
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#2
Dichlorodifluoromethane
Concen: 0.239 ppbv
RT: 2.722 min Scan# 37
Delta R.T. -0.000 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

Tgt Ion: 85 Resp: 55678
Ion Ratio Lower Upper
85 100
87 35.9 28.1 42.1





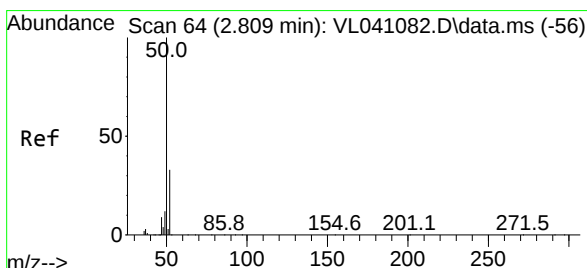
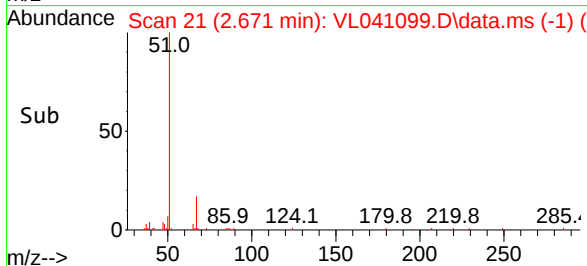
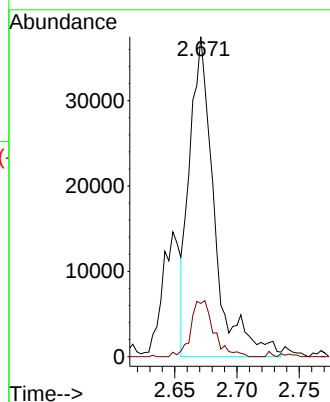
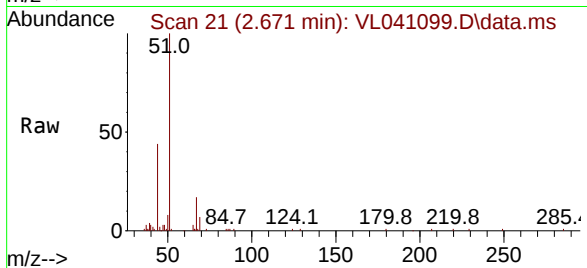
#3
Chlorodifluoromethane
Concen: 0.289 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 51920
Ion Ratio Lower Upper
51 100
67 16.2 14.5 21.7

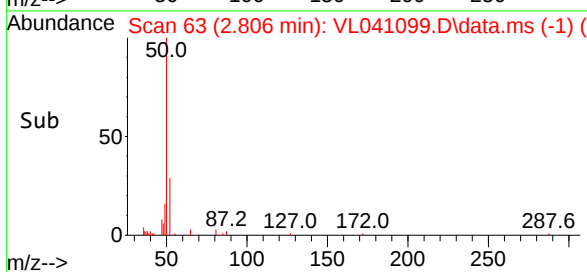
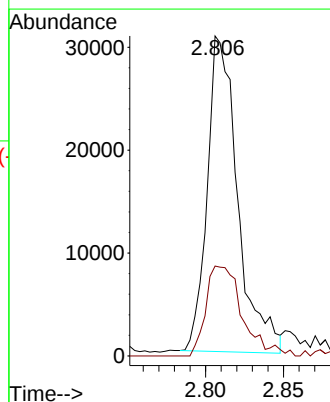
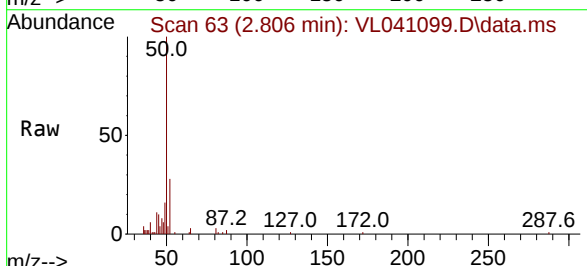
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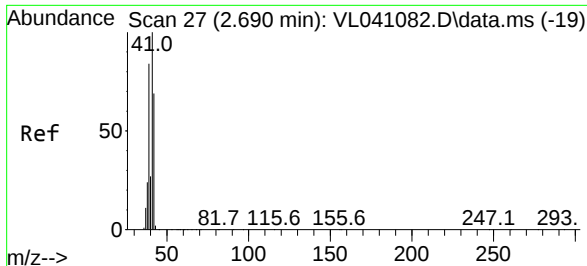
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#4
Chloromethane
Concen: 0.615 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

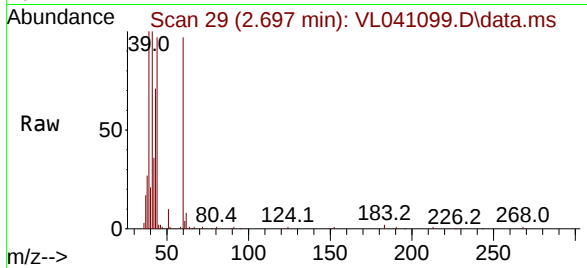
Tgt Ion: 50 Resp: 41730
Ion Ratio Lower Upper
50 100
52 28.8 26.6 40.0





#9
Propene
Concen: 0.848 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.013 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

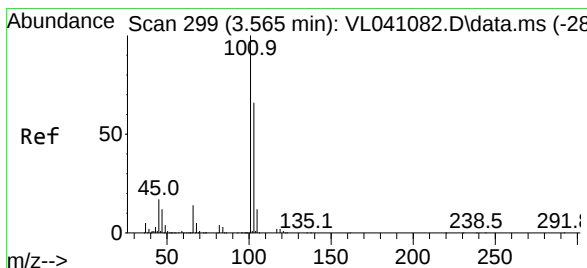
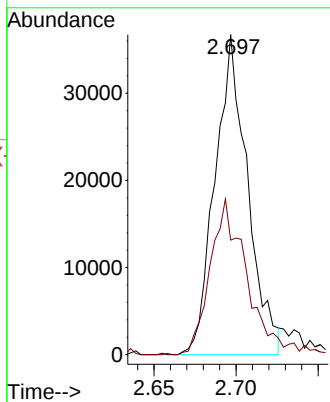
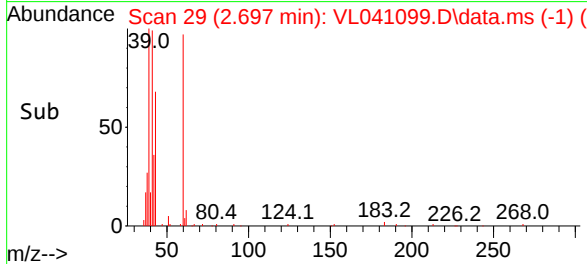
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 41 Resp: 50679
Ion Ratio Lower Upper
41 100
42 56.1 55.9 83.9

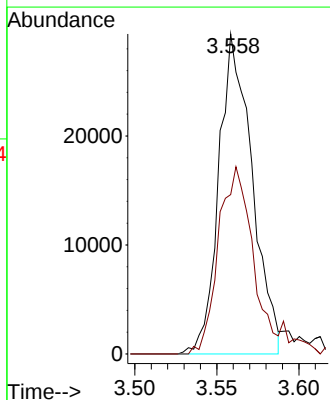
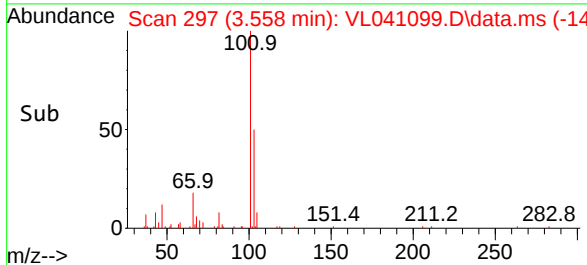
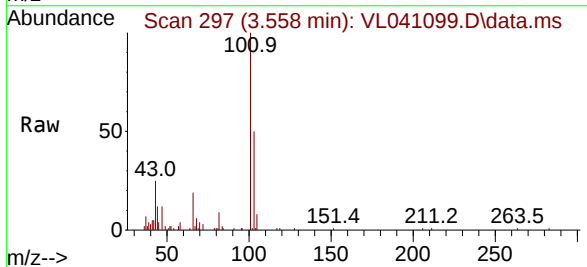
Manual Integrations
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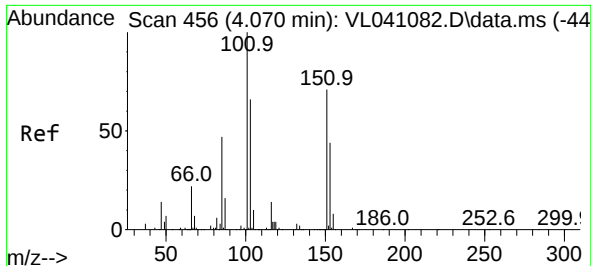
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#11
Trichlorofluoromethane
Concen: 0.230 ppbv
RT: 3.558 min Scan# 297
Delta R.T. -0.000 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

Tgt Ion:101 Resp: 41345
Ion Ratio Lower Upper
101 100
103 49.8 53.0 79.4#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.069 ppbv

RT: 4.066 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL041099.D

Acq: 12 Mar 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:101 Resp: 911

Ion Ratio Lower Upper

101 100

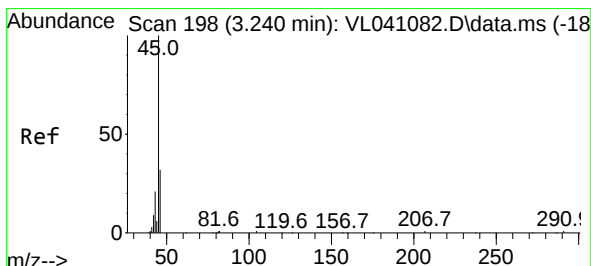
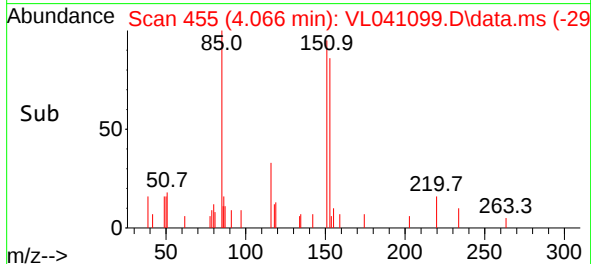
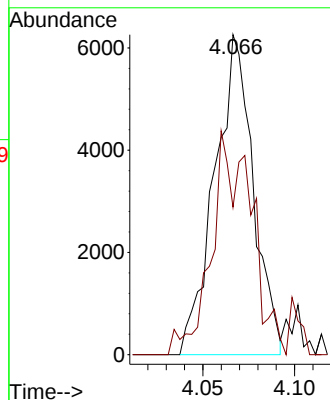
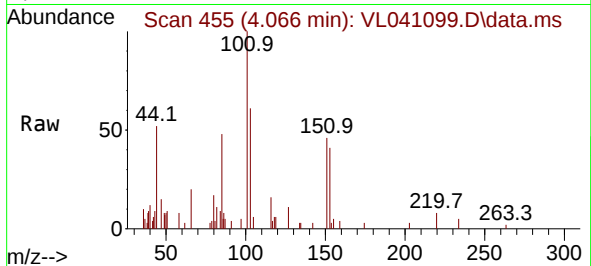
151 79.1 55.8 83.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/13/2024

Supervised By :Mahesh Dadoda 03/13/2024



#13

Ethanol

Concen: 5.039 ppbv m

RT: 3.247 min Scan# 200

Delta R.T. 0.013 min

Lab File: VL041099.D

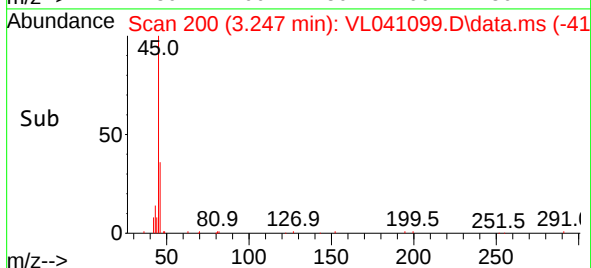
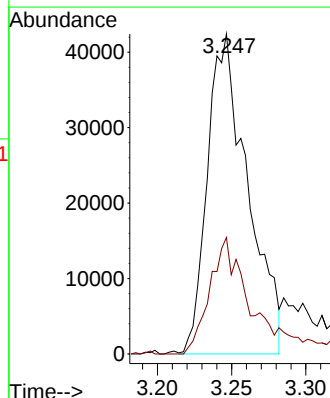
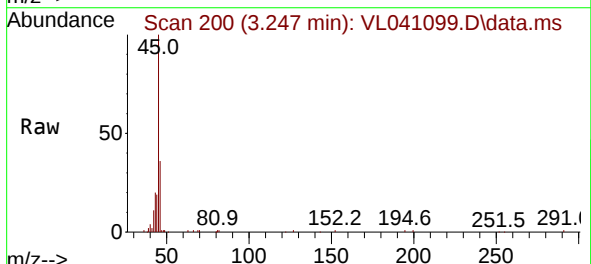
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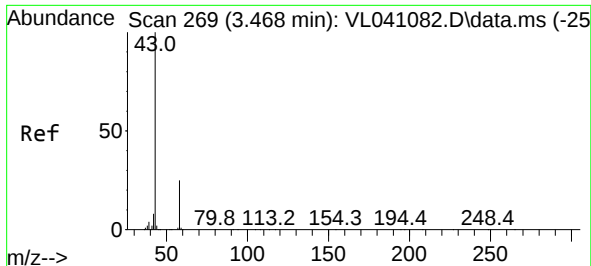
Tgt Ion: 45 Resp: 80207

Ion Ratio Lower Upper

45 100

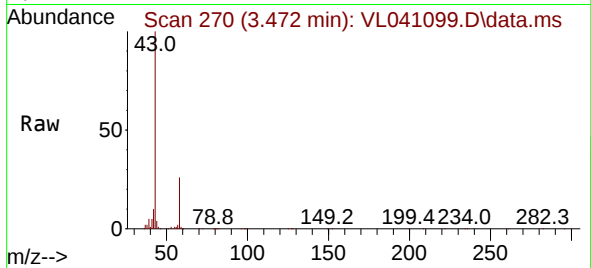
46 40.0 14.6 58.2





#15
Acetone
Concen: 3.727 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

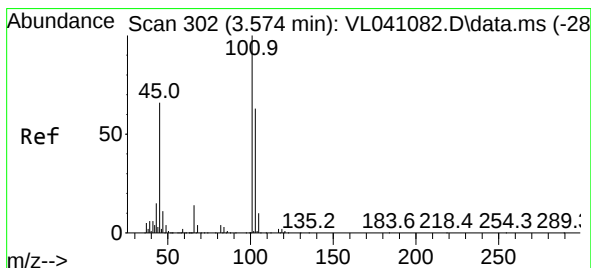
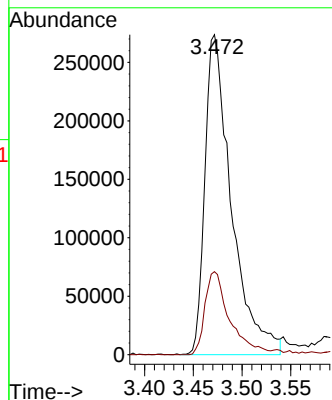
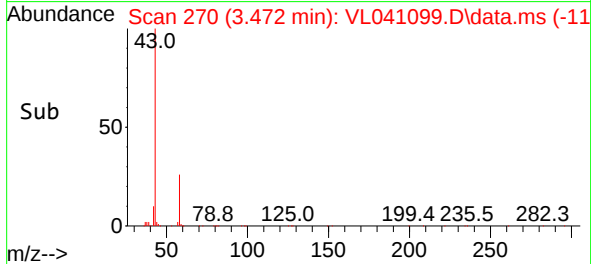
Instrument :
MSVOA_L
ClientSampleId :
OA1



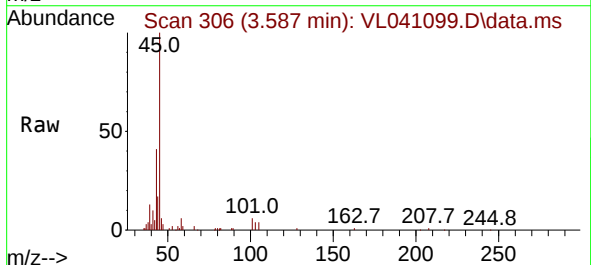
Tgt Ion: 43 Resp: 51858
Ion Ratio Lower Upper
43 100
58 24.9 21.7 32.5

Manual Integrations
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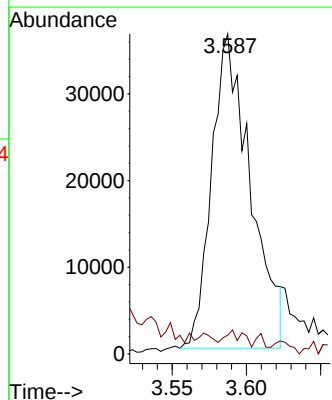
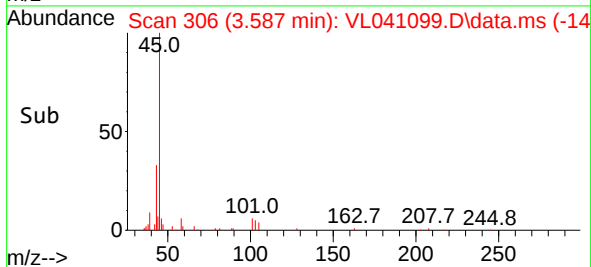
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

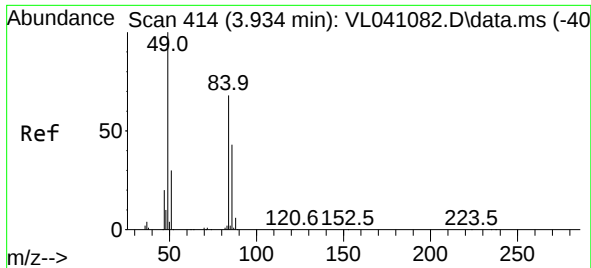


#19
Isopropyl Alcohol
Concen: 0.885 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.019 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08



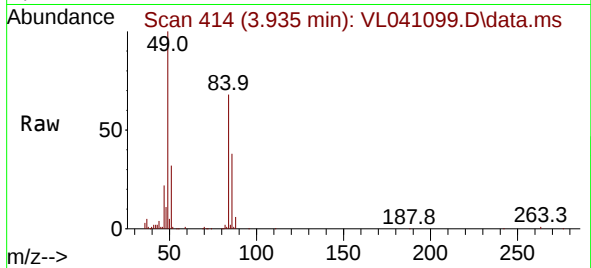
Tgt Ion: 45 Resp: 65785
Ion Ratio Lower Upper
45 100
58 8.1 2.2 3.4#





#20
Methylene Chloride
Concen: 1.757 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.006 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

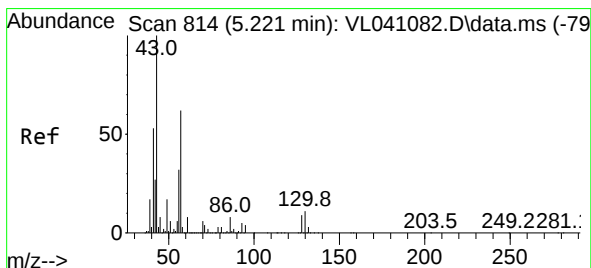
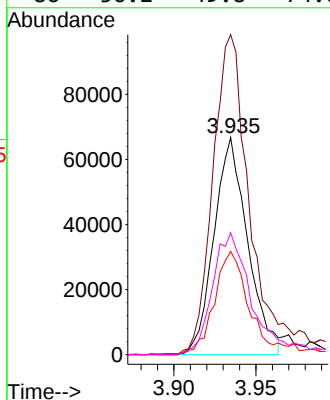
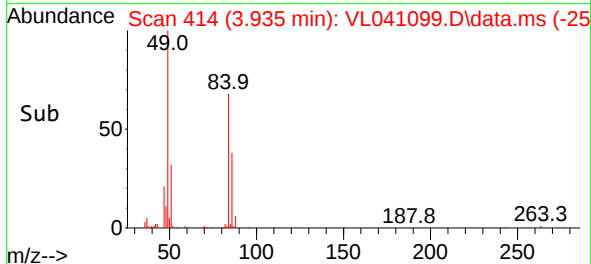
Instrument :
MSVOA_L
ClientSampleId :
OA1



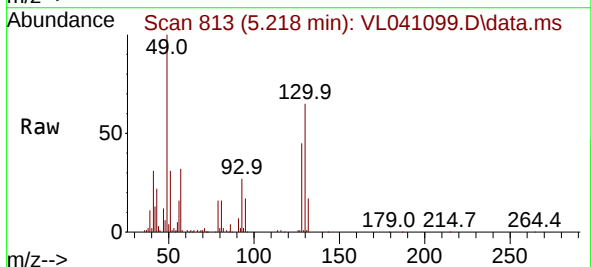
Tgt Ion: 84 Resp: 95320
Ion Ratio Lower Upper
84 100
49 147.4 117.0 175.6
51 47.0 34.9 52.3
86 56.2 49.8 74.6

Manual Integrations
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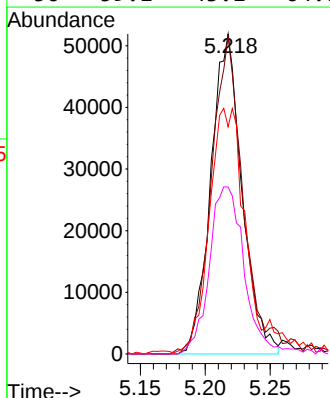
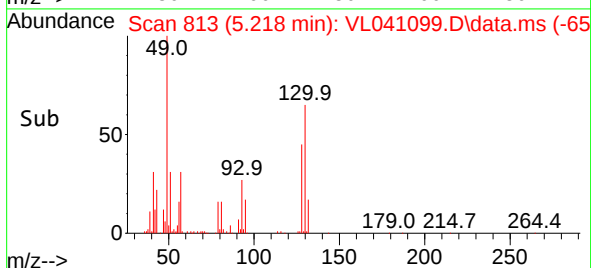
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

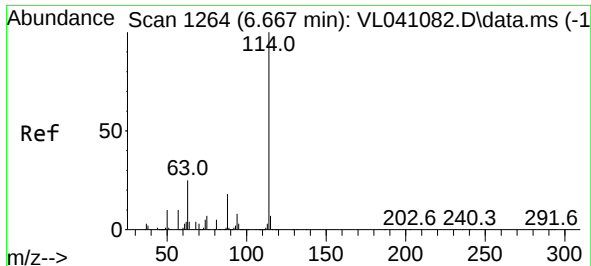


#26
Hexane
Concen: 0.772 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.006 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08



Tgt Ion: 57 Resp: 86468
Ion Ratio Lower Upper
57 100
41 104.1 73.8 110.6
43 91.6 184.2 276.2#
56 59.1 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041099.D

Acq: 12 Mar 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 3088350

Ion Ratio Lower Upper

114 100

63 25.8 21.0 31.6

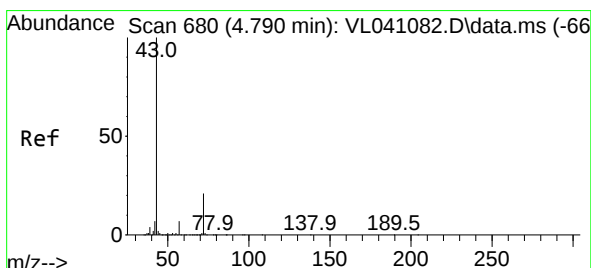
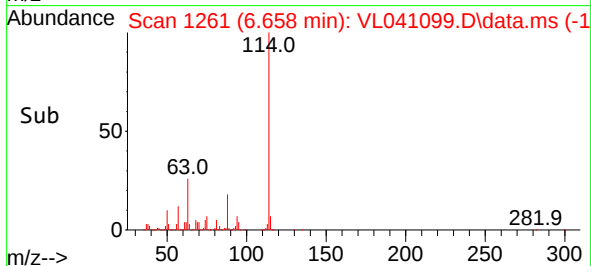
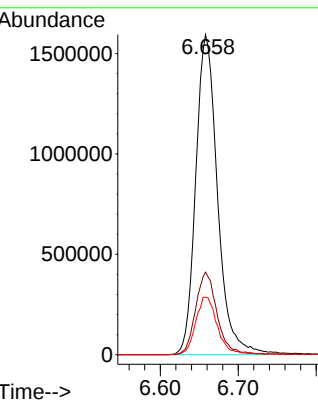
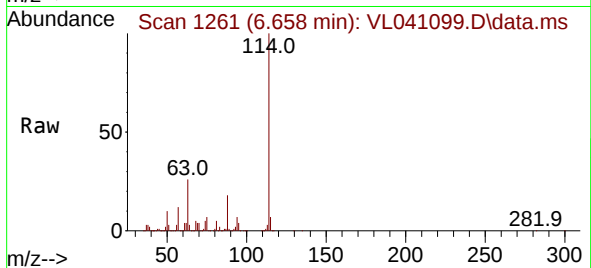
88 18.1 14.6 22.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/13/2024

Supervised By :Mahesh Dadoda 03/13/2024



#34

2-Butanone

Concen: 0.170 ppbv m

RT: 4.809 min Scan# 686

Delta R.T. 0.026 min

Lab File: VL041099.D

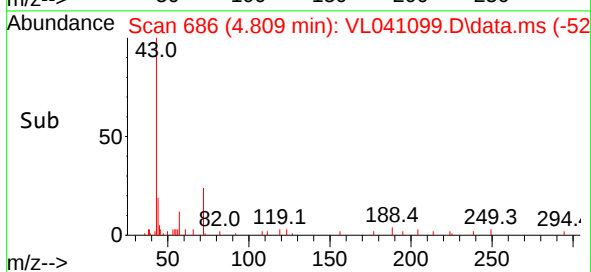
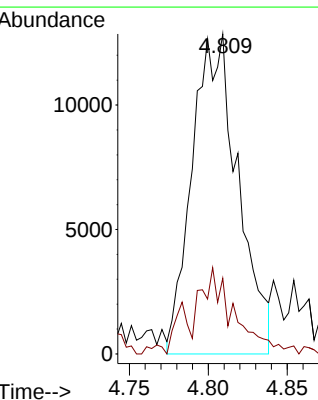
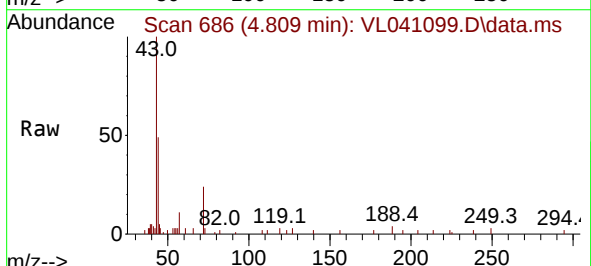
Acq: 12 Mar 2024 15:08

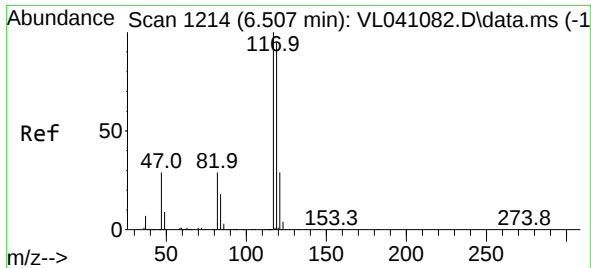
Tgt Ion: 43 Resp: 25921

Ion Ratio Lower Upper

43 100

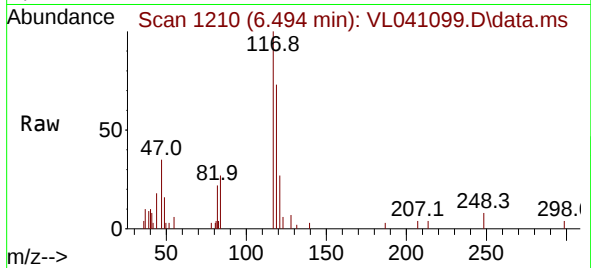
72 26.4 17.4 26.0#





#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 6.494 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

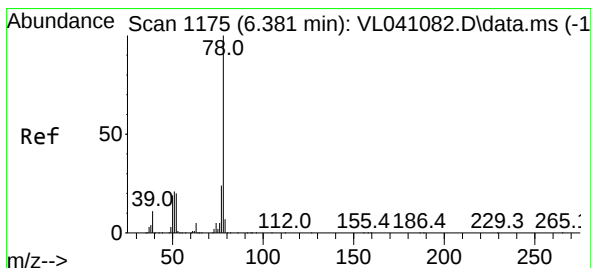
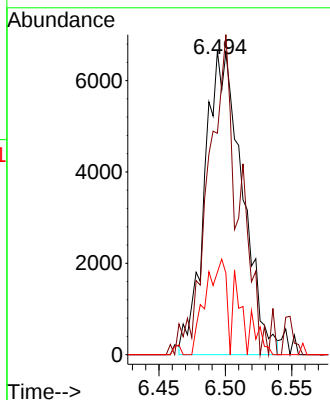
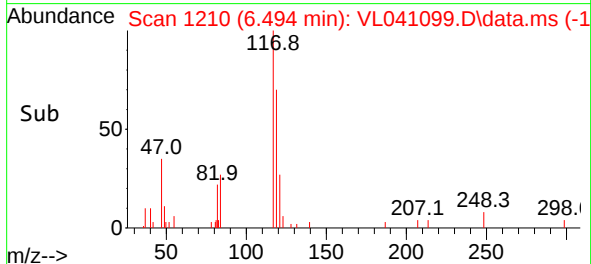
Instrument :
MSVOA_L
ClientSampleId :
OA1



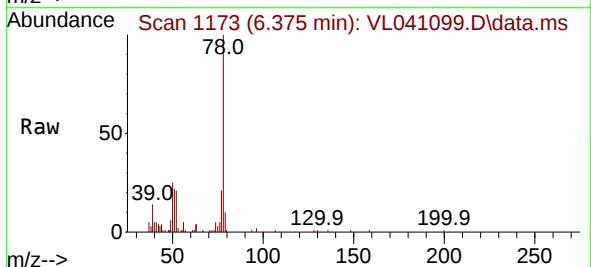
Tgt Ion: 117 Resp: 13019
Ion Ratio Lower Upper
117 100
119 72.9 75.6 113.4
121 27.1 23.4 35.2

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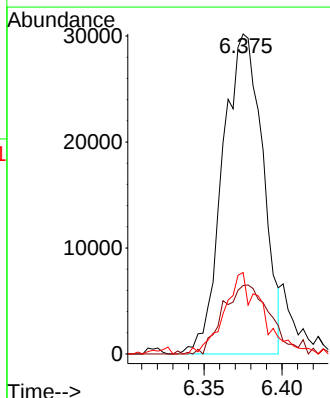
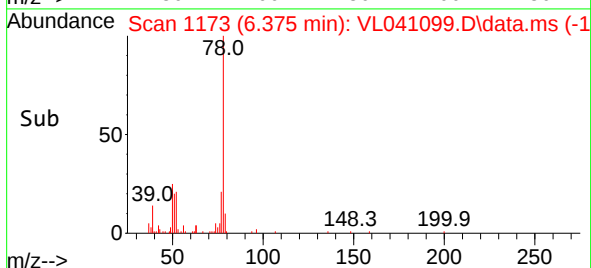
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

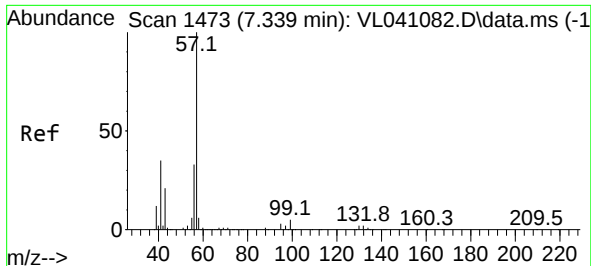


#36
Benzene
Concen: 0.235 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08



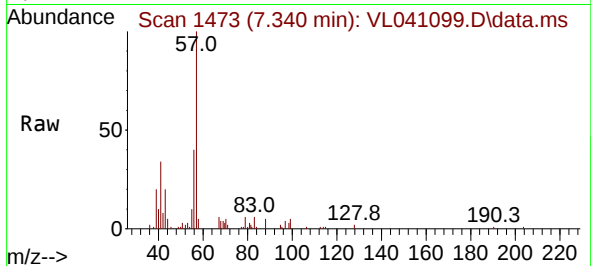
Tgt Ion: 78 Resp: 53930
Ion Ratio Lower Upper
78 100
77 20.4 18.8 28.2
50 25.5 15.5 23.3





#44
2,2,4-Trimethylpentane
Concen: 0.110 ppbv m
RT: 7.340 min Scan# 1473
Delta R.T. 0.010 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

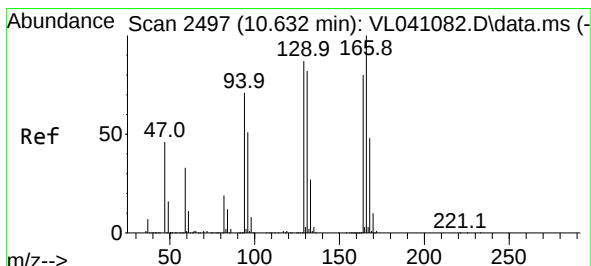
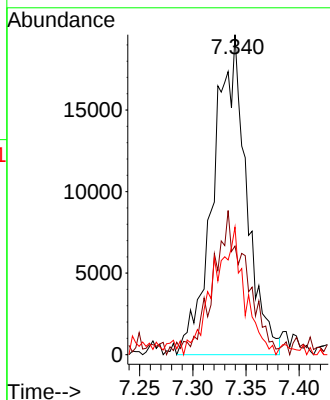
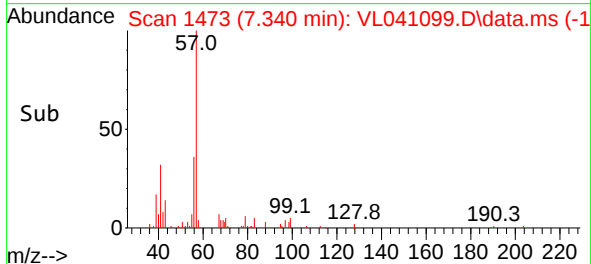
Instrument :
MSVOA_L
ClientSampleId :
OA1



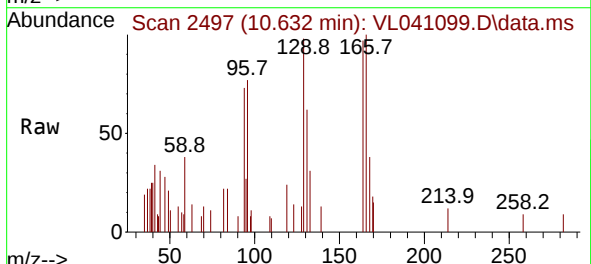
Tgt Ion: 57 Resp: 42408
Ion Ratio Lower Upper
57 100
41 45.9 28.0 42.0
56 0.0 25.7 38.5

Manual Integrations
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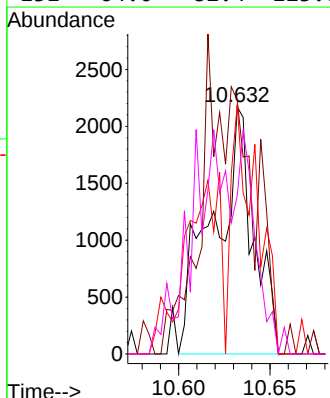
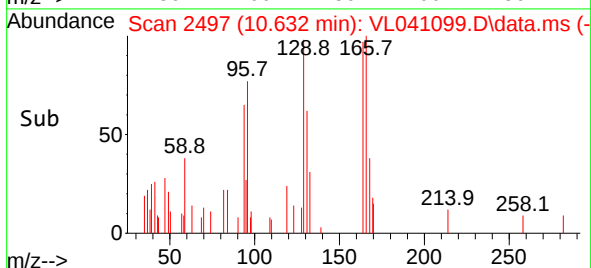
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

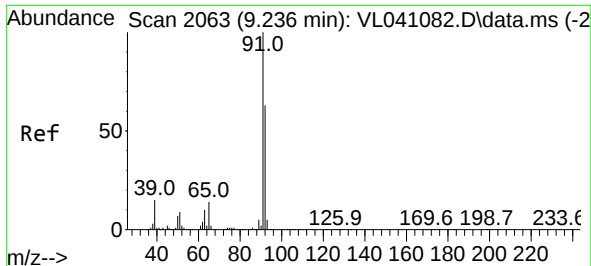


#52
Tetrachloroethene
Concen: 0.047 ppbv m
RT: 10.632 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08



Tgt Ion:164 Resp: 3341
Ion Ratio Lower Upper
164 100
166 102.8 100.6 150.8
129 100.9 87.2 130.8
131 64.0 82.4 123.6





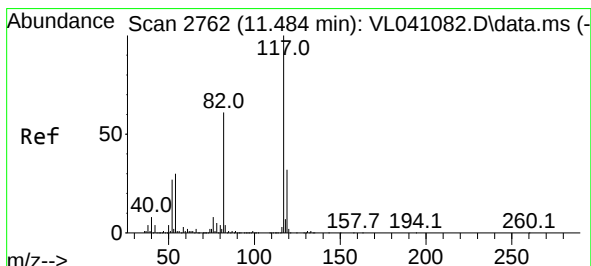
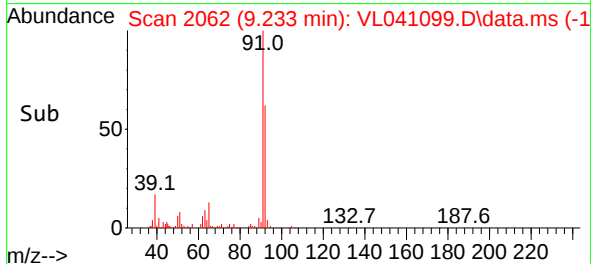
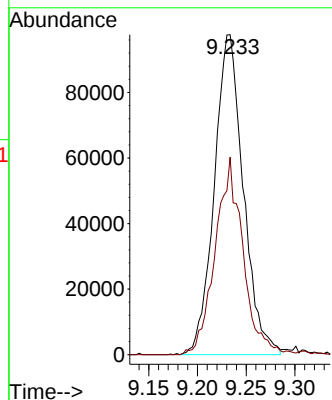
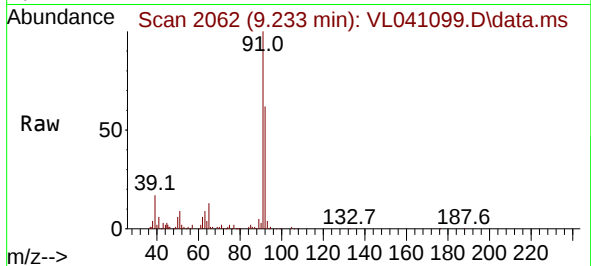
#53
Toluene
Concen: 0.816 ppbv
RT: 9.233 min Scan# 2063
Delta R.T. 0.010 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 202300
Ion Ratio Lower Upper
91 100
92 59.5 48.9 73.3

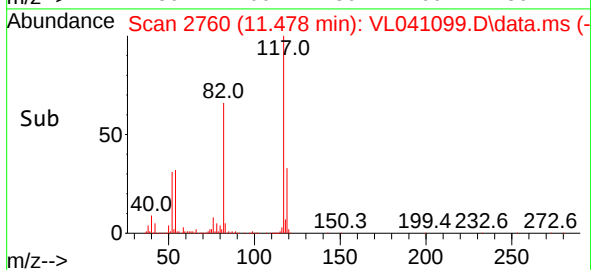
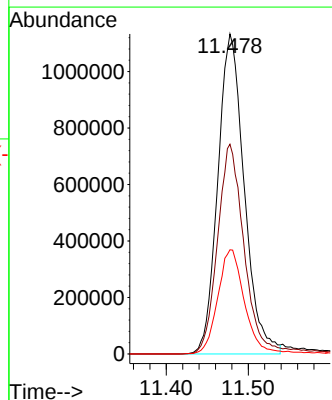
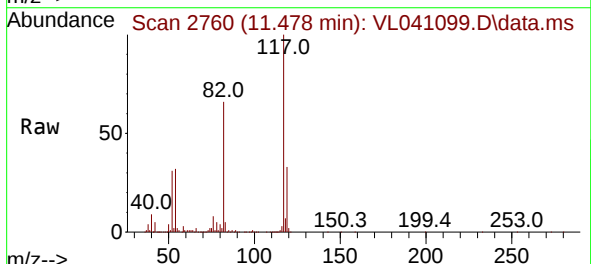
Manual Integrations
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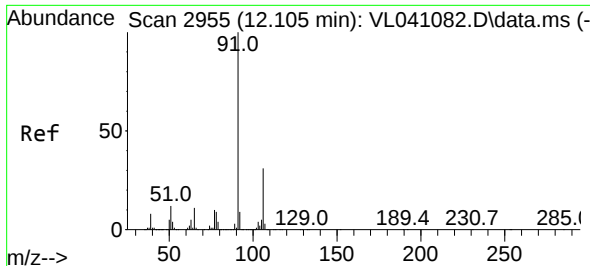
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.003 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

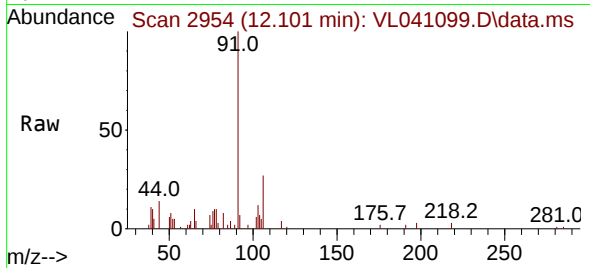
Tgt Ion:117 Resp: 2540444
Ion Ratio Lower Upper
117 100
82 68.0 51.4 77.2
119 33.5 23.7 35.5





#58
Ethyl Benzene
Concen: 0.078 ppbv m
RT: 12.101 min Scan# 2954
Delta R.T. 0.006 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

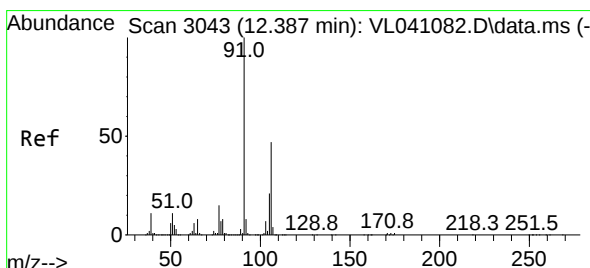
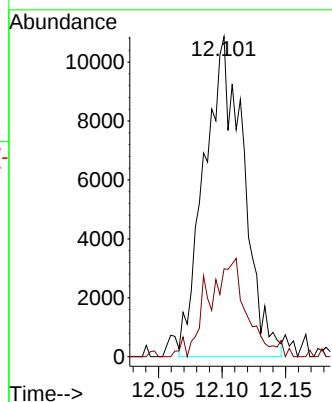
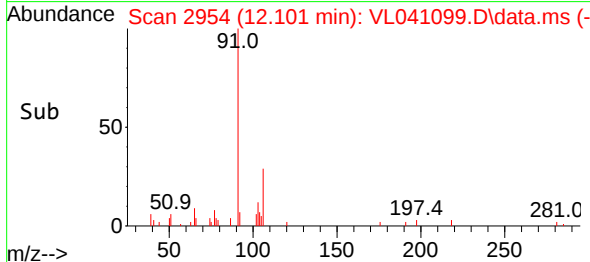
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 2334
Ion Ratio Lower Upper
91 100
106 27.5 24.6 36.8

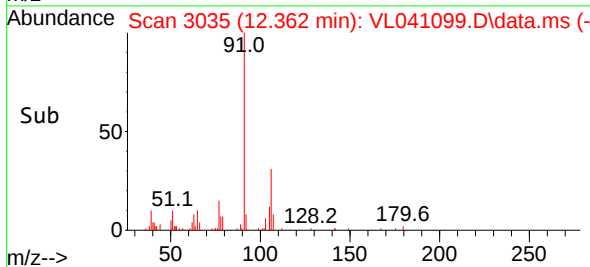
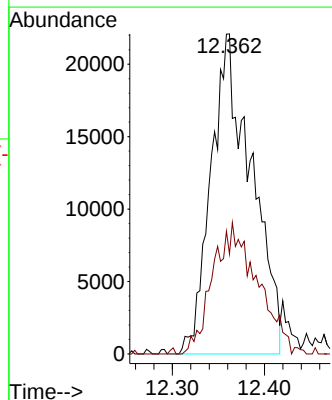
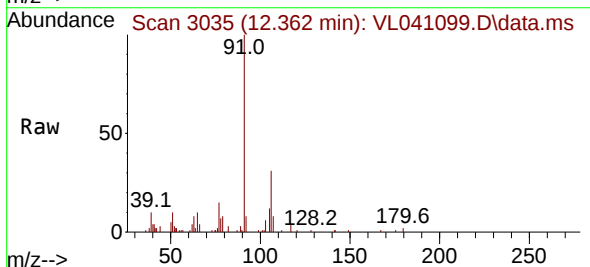
Manual Integrations
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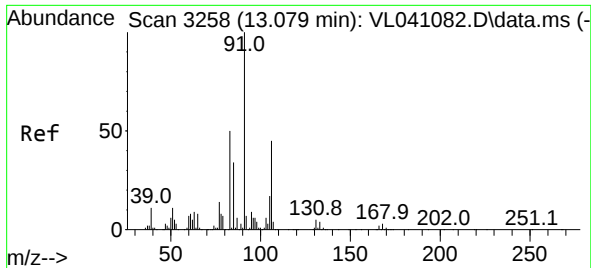
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#59
m/p-Xylene
Concen: 0.258 ppbv m
RT: 12.362 min Scan# 3035
Delta R.T. -0.019 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

Tgt Ion: 91 Resp: 67315
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





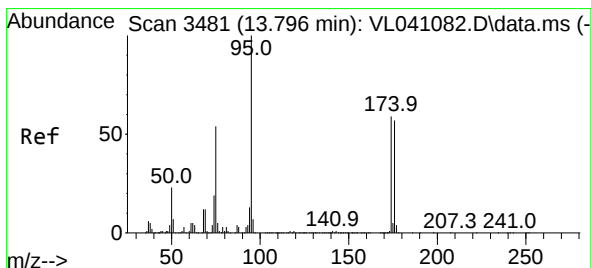
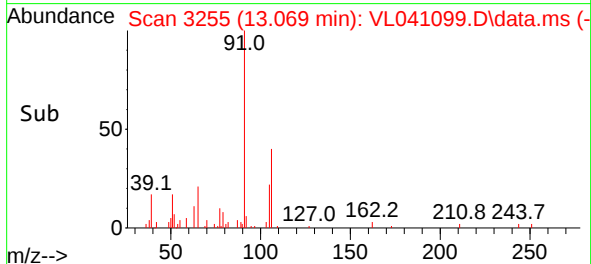
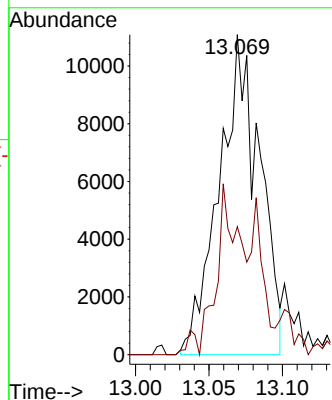
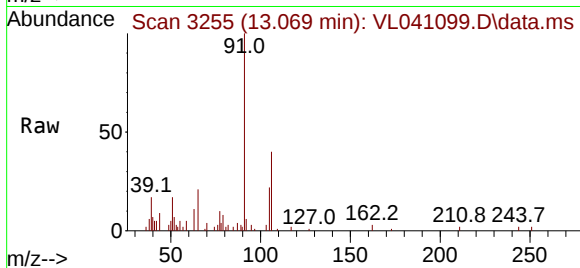
#60
o-Xylene
Concen: 0.085 ppbv m
RT: 13.069 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 21180
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.779 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. 0.006 min
Lab File: VL041099.D
Acq: 12 Mar 2024 15:08

Tgt Ion: 95 Resp: 1942416
Ion Ratio Lower Upper
95 100
174 61.7 47.8 71.8
175 4.7 3.5 5.3

