

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040383.D
 Acq On : 19 Apr 2023 17:15
 Operator : SY/MD
 Sample : 02410-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-01-20230417

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 05:11:53 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1073384	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2697804	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2358204	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1930852	9.901	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	77717	0.402	ppbv	90
3) Chlorodifluoromethane	2.658	51	83235m	0.593	ppbv	
4) Chloromethane	2.796	50	41837	0.472	ppbv	99
9) Propene	2.687	41	55308m	0.998	ppbv	
11) Trichlorofluoromethane	3.549	101	41718	0.213	ppbv	92
13) Ethanol	3.224	45	409226	88.465	ppbv	95
15) Acetone	3.452	43	1729961	11.379	ppbv	98
19) Isopropyl Alcohol	3.568	45	223871	3.227	ppbv #	1
20) Methylene Chloride	3.922	84	580711	9.567	ppbv	96
26) Hexane	5.205	57	812381	7.533	ppbv #	37
34) 2-Butanone	4.783	43	133510	0.918	ppbv	99
35) Carbon Tetrachloride	6.484	117	11574m	0.061	ppbv	
36) Benzene	6.362	78	64464	0.293	ppbv	98
51) 2-Hexanone	9.565	43	60034	0.368	ppbv #	98
52) Tetrachloroethene	10.606	164	5153m	0.075	ppbv	
53) Toluene	9.217	91	155830	0.668	ppbv	98
59) m/p-Xylene	12.343	91	88701m	0.332	ppbv	

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

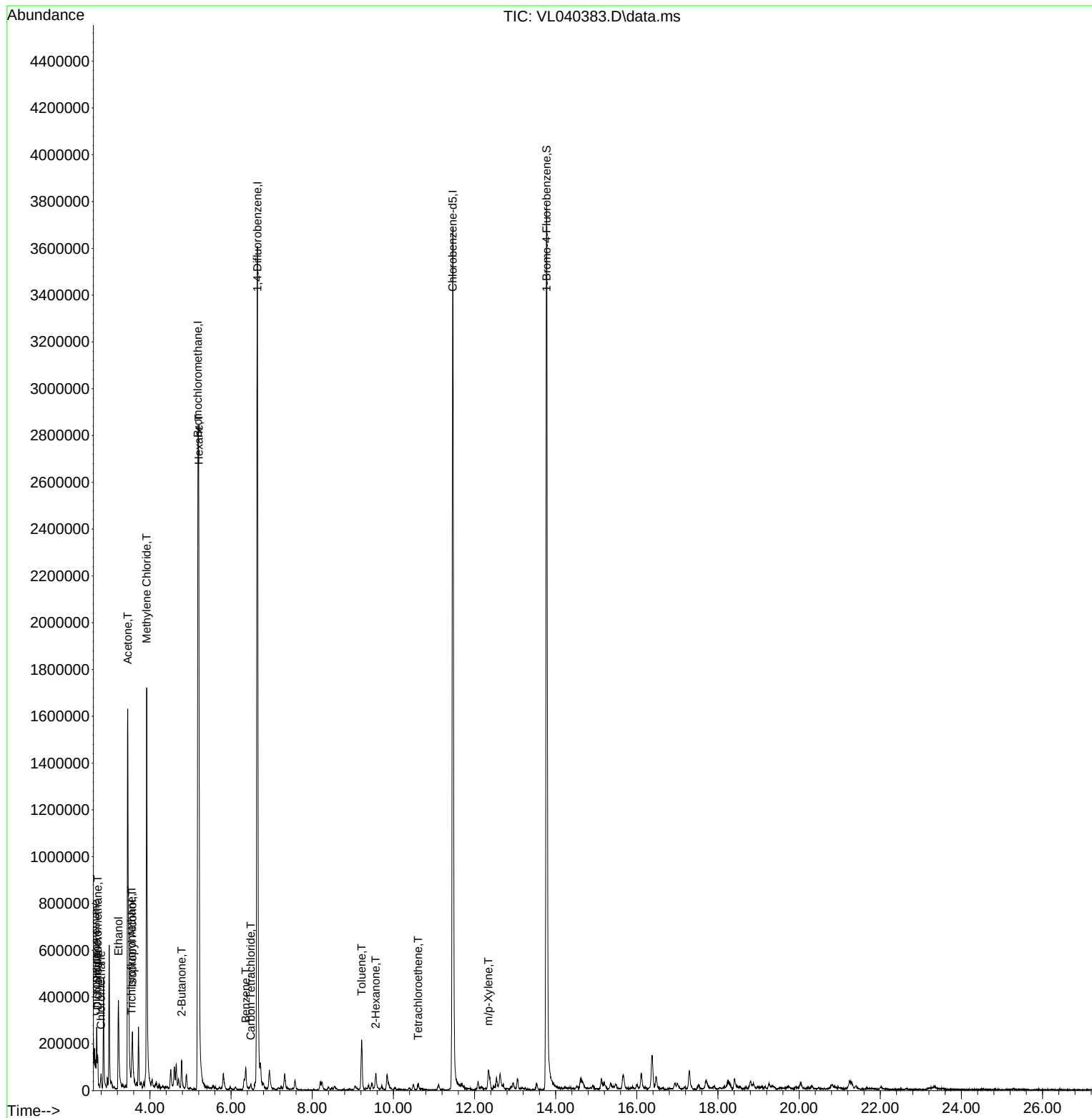
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
Data File : VL040383.D
Acq On : 19 Apr 2023 17:15
Operator : SY/MD
Sample : 02410-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

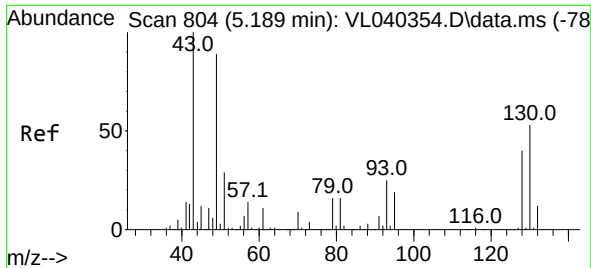
Instrument :
MSVOA_L
ClientSampleId :
AA-01-20230417

Quant Time: Apr 20 05:11:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

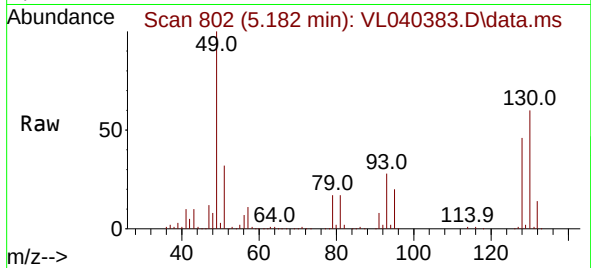
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 804
Delta R.T. -0.007 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

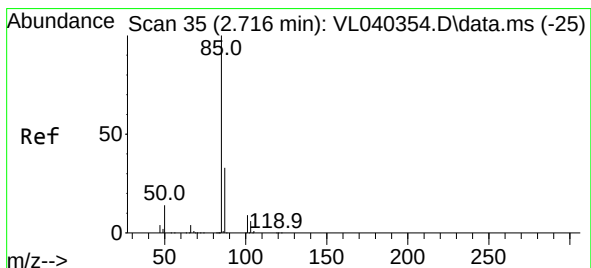
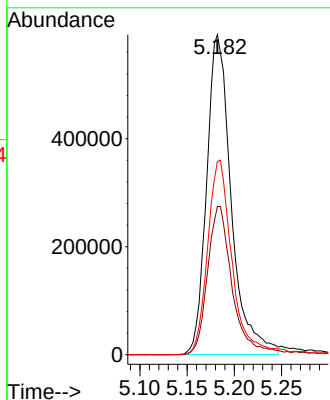
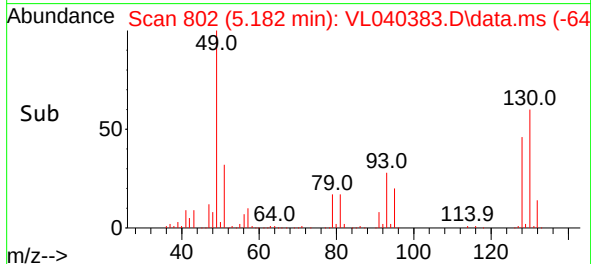
Instrument : MSVOA_L
ClientSampleId : AA-01-20230417



Tgt Ion: 49 Resp: 1073384
Ion Ratio Lower Upper
49 100
128 47.8 23.7 71.1
130 62.6 29.9 89.8

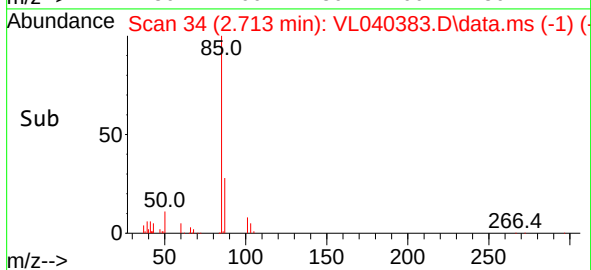
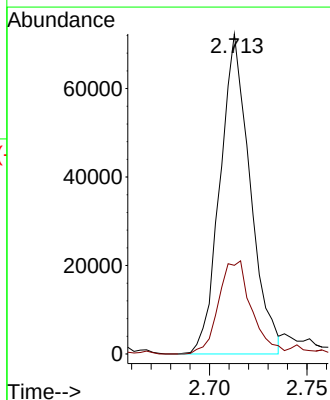
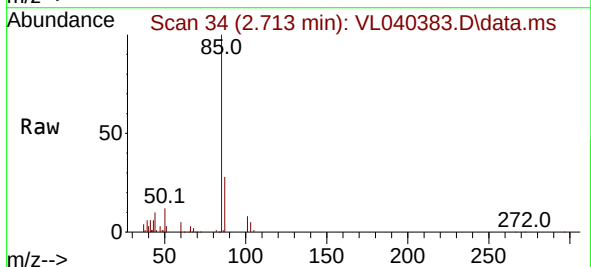
Manual Integrations
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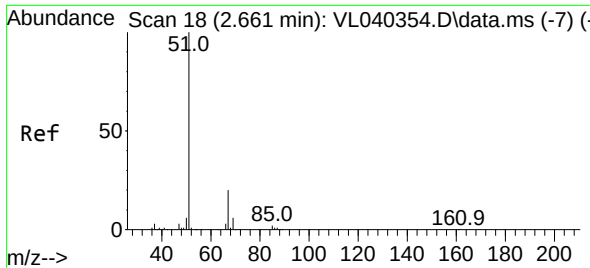
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#2
Dichlorodifluoromethane
Concen: 0.402 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

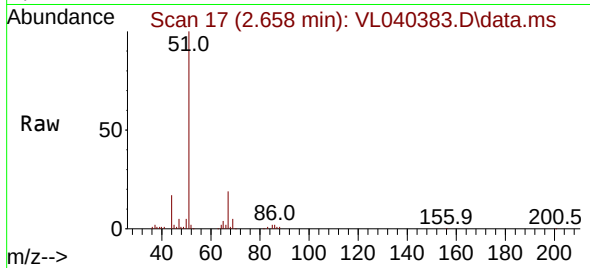
Tgt Ion: 85 Resp: 77717
Ion Ratio Lower Upper
85 100
87 27.7 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.593 ppbv m
RT: 2.658 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

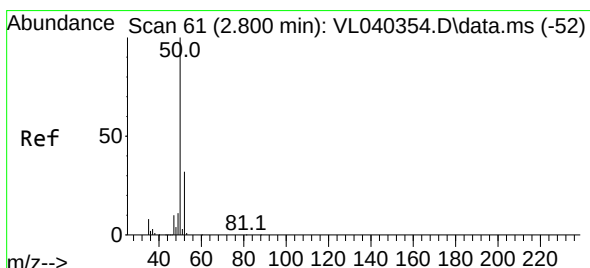
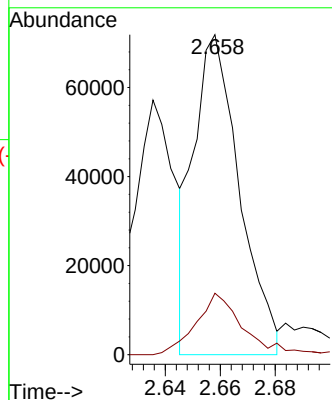
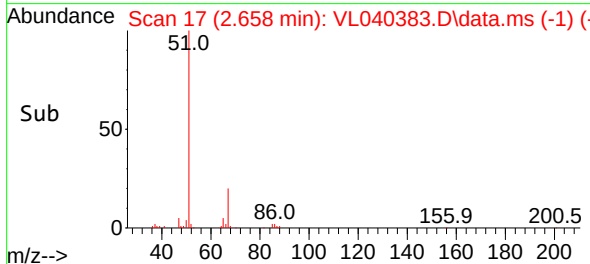
Instrument :
MSVOA_L
ClientSampleId :
AA-01-20230417



Tgt Ion: 51 Resp: 83235
Ion Ratio Lower Upper
51 100
67 20.3 15.5 23.3

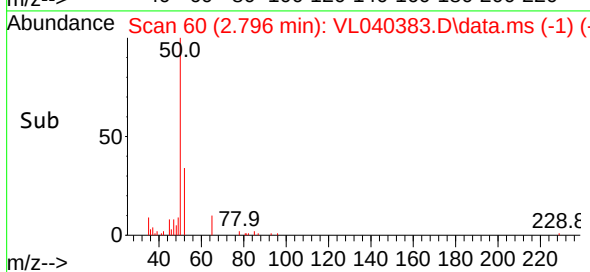
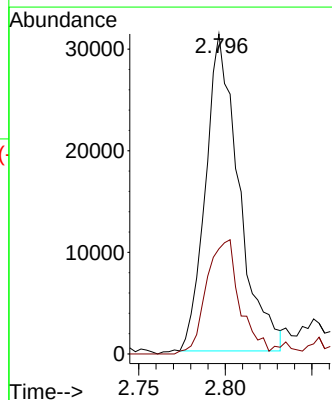
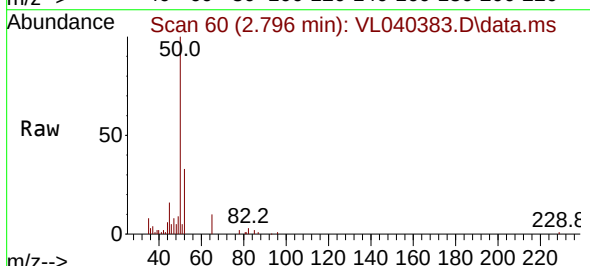
Manual Integrations
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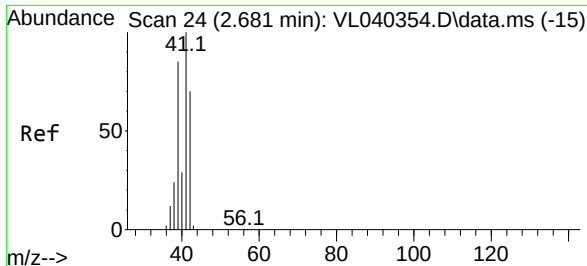
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#4
Chloromethane
Concen: 0.472 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.004 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

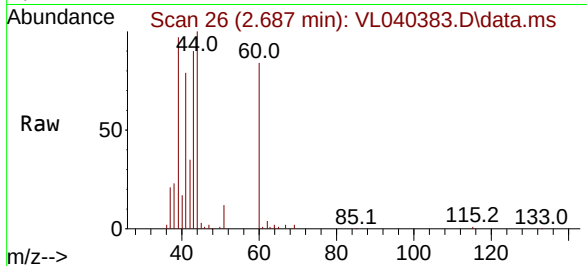
Tgt Ion: 50 Resp: 41837
Ion Ratio Lower Upper
50 100
52 32.3 25.3 37.9





#9
Propene
Concen: 0.998 ppbv m
RT: 2.687 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

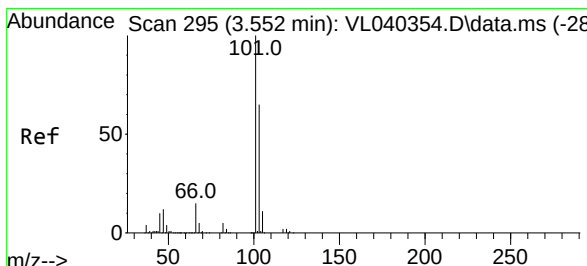
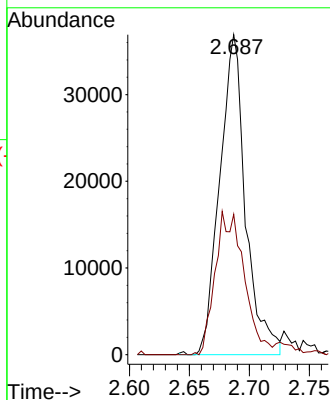
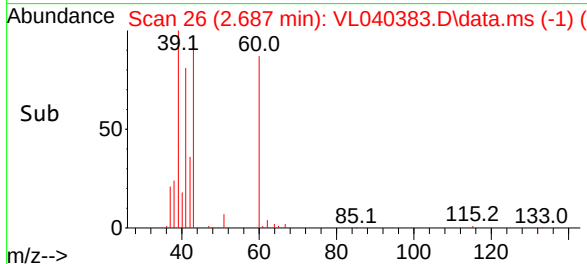
Instrument :
MSVOA_L
ClientSampleId :
AA-01-20230417



Tgt Ion: 41 Resp: 55308
Ion Ratio Lower Upper
41 100
42 147.0 56.5 84.75

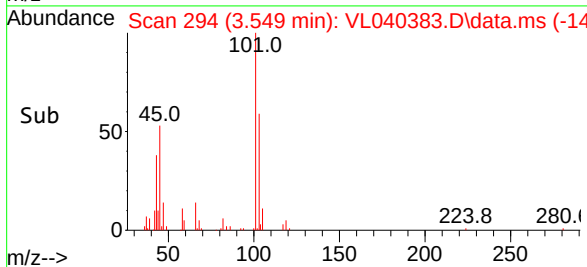
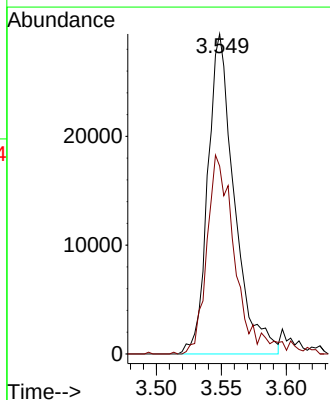
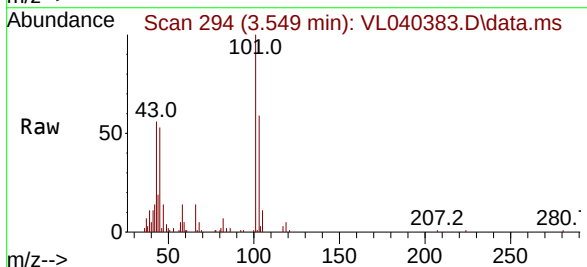
Manual Integrations
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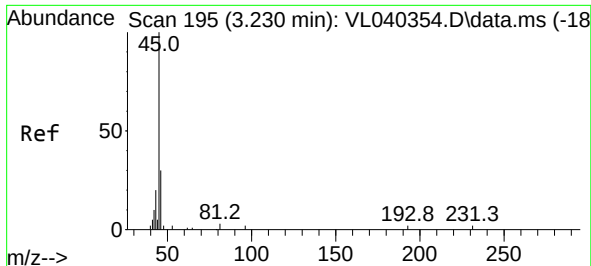
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#11
Trichlorofluoromethane
Concen: 0.213 ppbv
RT: 3.549 min Scan# 294
Delta R.T. -0.003 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

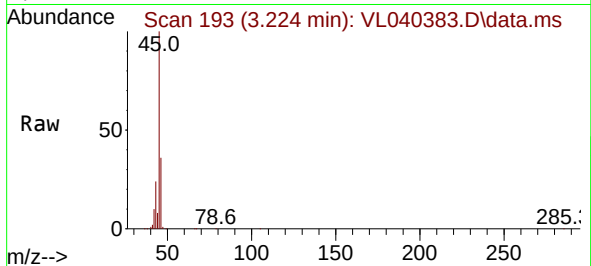
Tgt Ion:101 Resp: 41718
Ion Ratio Lower Upper
101 100
103 58.7 52.2 78.4





#13
Ethanol
Concen: 88.465 ppbv
RT: 3.224 min Scan# 195
Delta R.T. -0.006 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

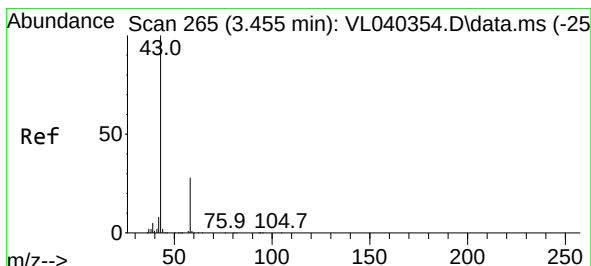
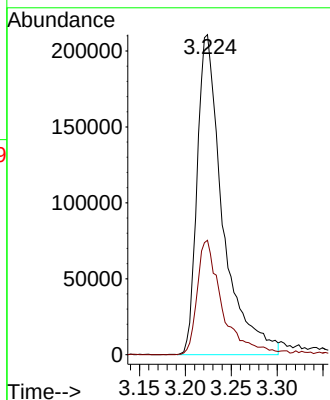
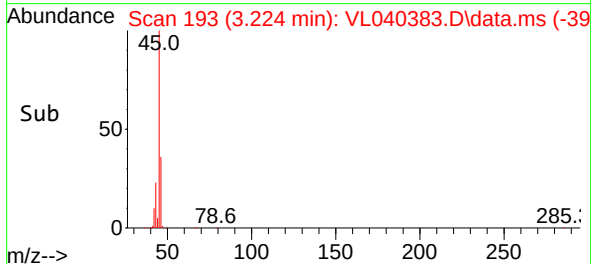
Instrument : MSVOA_L
ClientSampleId : AA-01-20230417



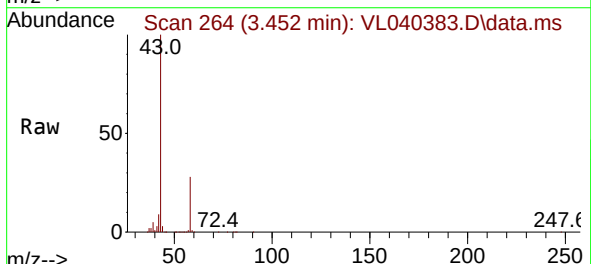
Tgt Ion: 45 Resp: 409220
Ion Ratio Lower Upper
45 100
46 35.6 15.3 61.3

Manual Integrations
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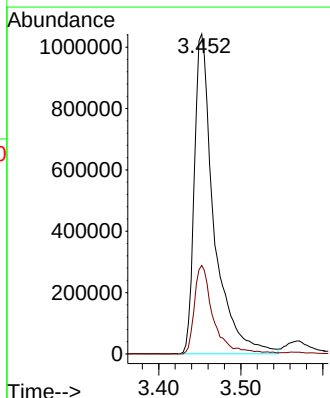
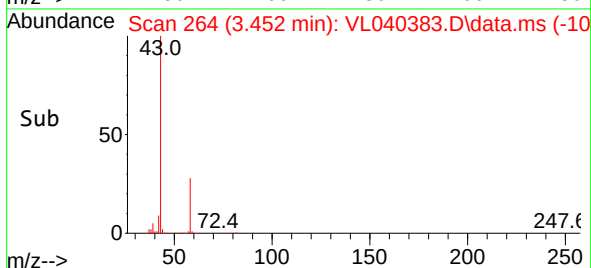
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

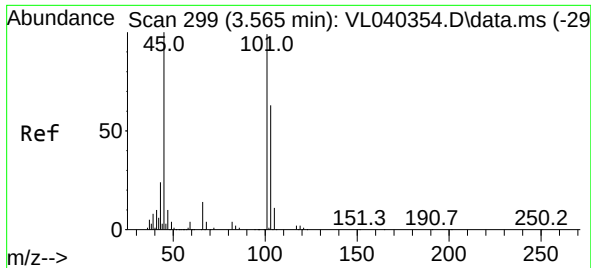


#15
Acetone
Concen: 11.379 ppbv
RT: 3.452 min Scan# 264
Delta R.T. -0.003 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15



Tgt Ion: 43 Resp: 1729961
Ion Ratio Lower Upper
43 100
58 26.8 22.2 33.2





#19

Isopropyl Alcohol

Concen: 3.227 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL040383.D

Acq: 19 Apr 2023 17:15

Instrument :

MSVOA_L

ClientSampleId :

AA-01-20230417

Tgt Ion: 45 Resp: 22387

Ion Ratio Lower Upper

45 100

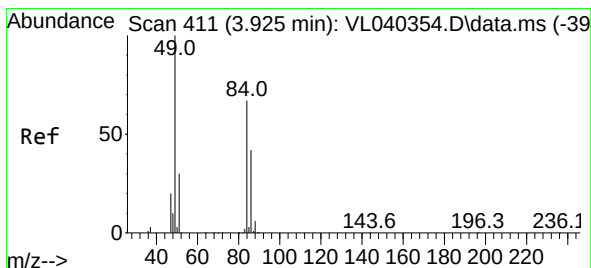
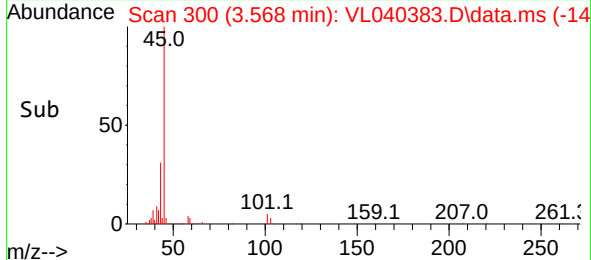
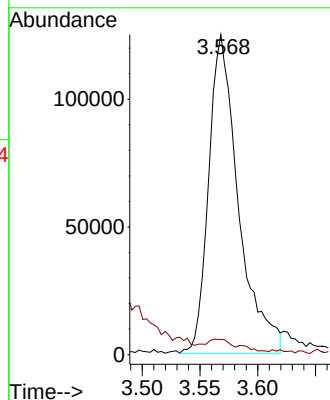
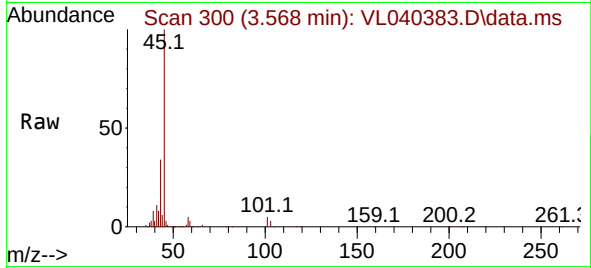
58 206.4 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#20

Methylene Chloride

Concen: 9.567 ppbv

RT: 3.922 min Scan# 410

Delta R.T. -0.003 min

Lab File: VL040383.D

Acq: 19 Apr 2023 17:15

Tgt Ion: 84 Resp: 580711

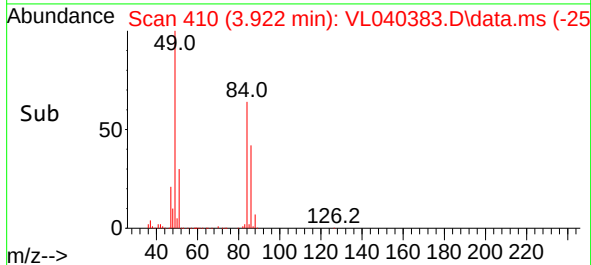
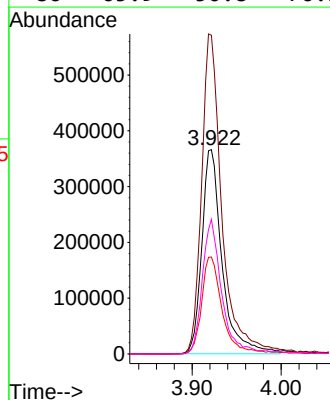
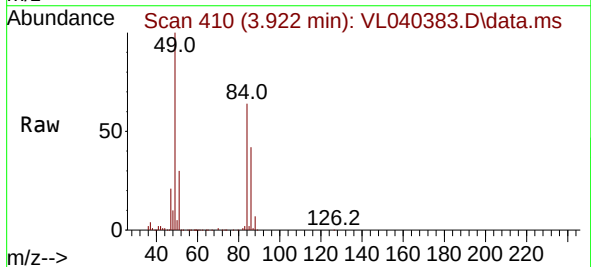
Ion Ratio Lower Upper

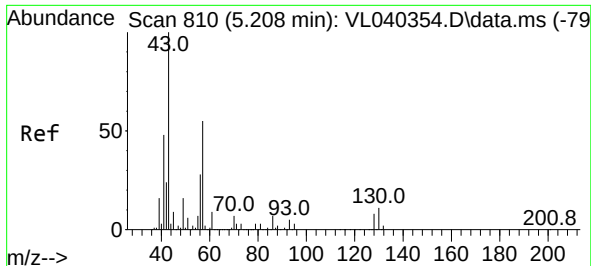
84 100

49 156.1 120.1 180.1

51 47.5 36.3 54.5

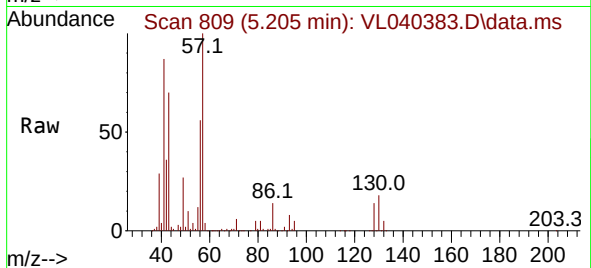
86 65.9 50.8 76.2





#26
Hexane
Concen: 7.533 ppbv
RT: 5.205 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

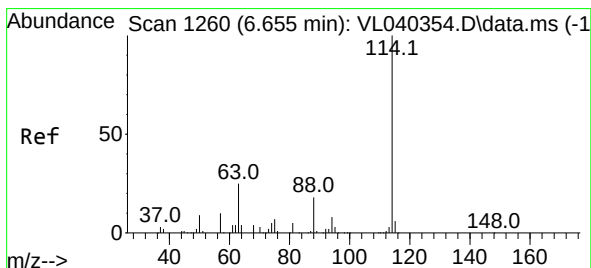
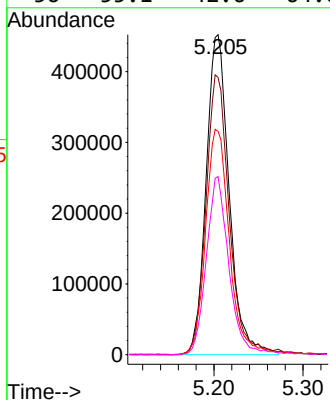
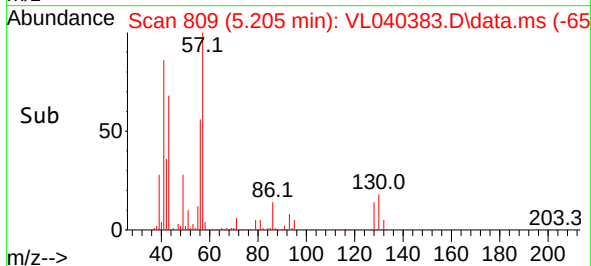
Instrument :
MSVOA_L
ClientSampleId :
AA-01-20230417



Tgt Ion: 57 Resp: 81238
Ion Ratio Lower Upper
57 100
41 89.1 74.8 112.2
43 72.6 192.7 289.1
56 55.1 42.6 64.0

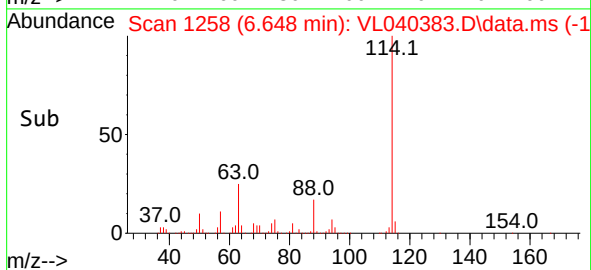
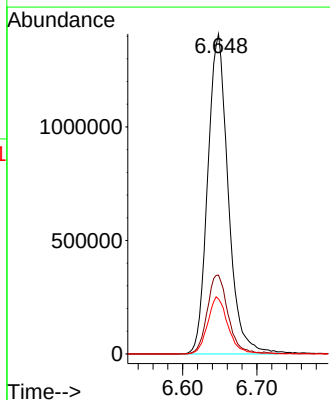
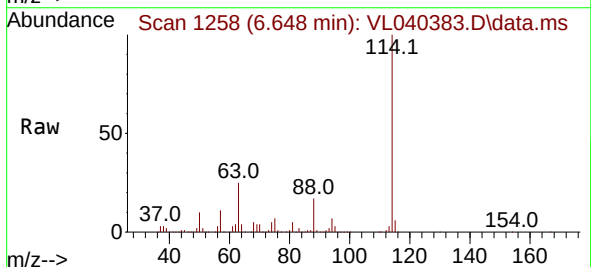
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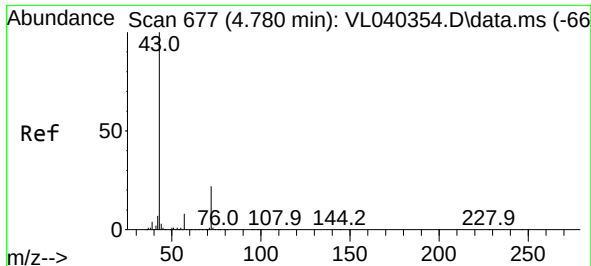
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.007 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

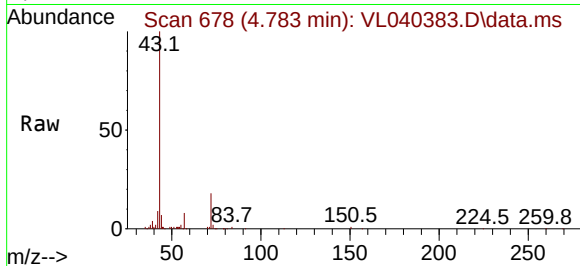
Tgt Ion:114 Resp: 2697804
Ion Ratio Lower Upper
114 100
63 25.5 21.4 32.0
88 17.8 14.6 22.0





#34
2-Butanone
Concen: 0.918 ppbv
RT: 4.783 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

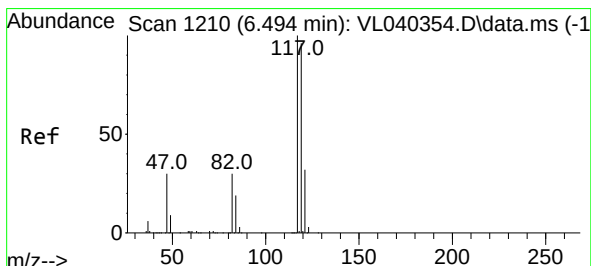
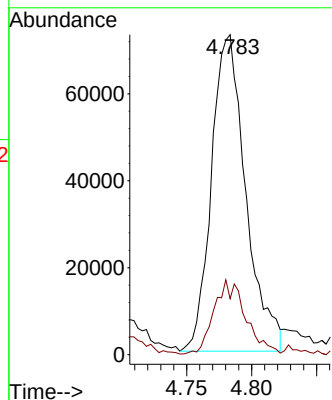
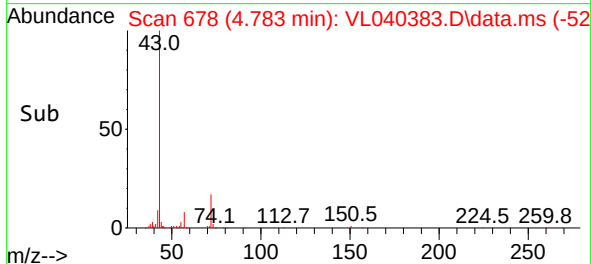
Instrument :
MSVOA_L
ClientSampleId :
AA-01-20230417



Tgt Ion: 43 Resp: 133510
Ion Ratio Lower Upper
43 100
72 22.7 18.4 27.6

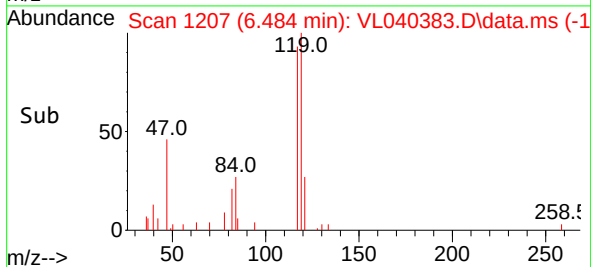
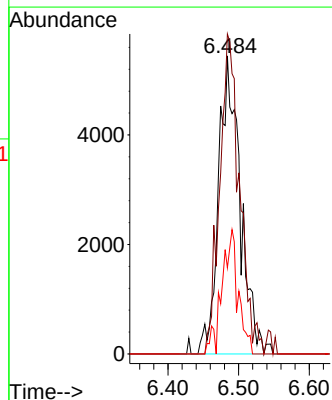
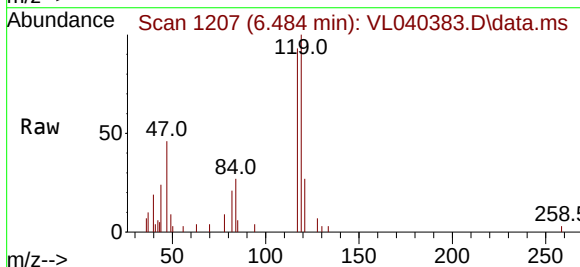
Manual Integrations
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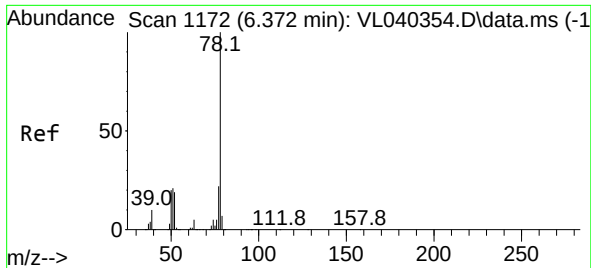
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 6.484 min Scan# 1207
Delta R.T. -0.010 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

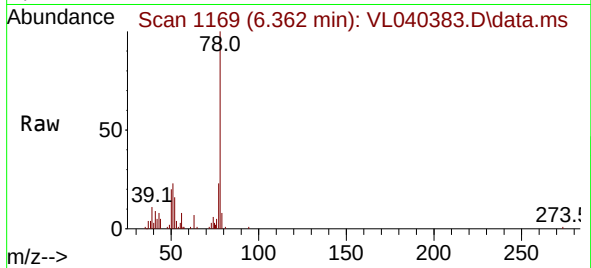
Tgt Ion:117 Resp: 11574
Ion Ratio Lower Upper
117 100
119 107.3 76.6 114.8
121 28.9 25.3 37.9





#36
Benzene
Concen: 0.293 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.010 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

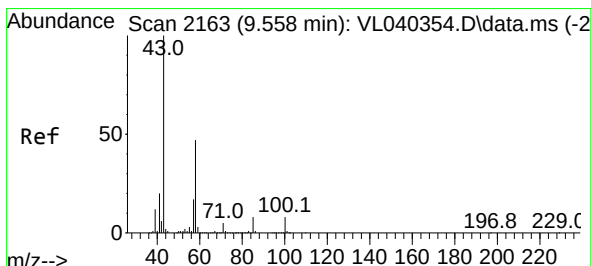
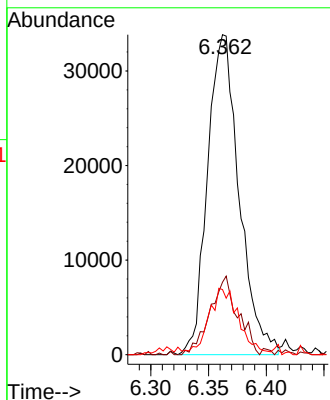
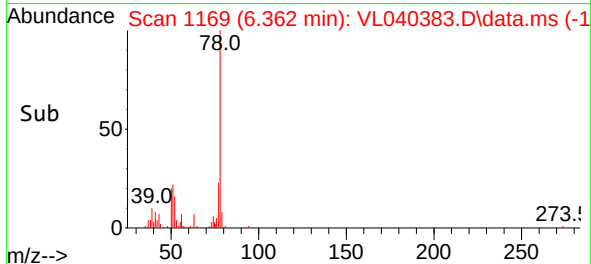
Instrument :
MSVOA_L
ClientSampleId :
AA-01-20230417



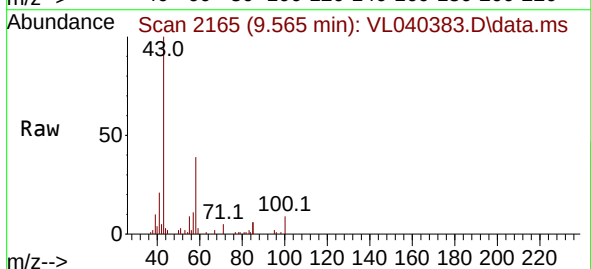
Tgt Ion: 78 Resp: 64464
Ion Ratio Lower Upper
78 100
77 22.7 17.8 26.8
50 18.0 15.6 23.4

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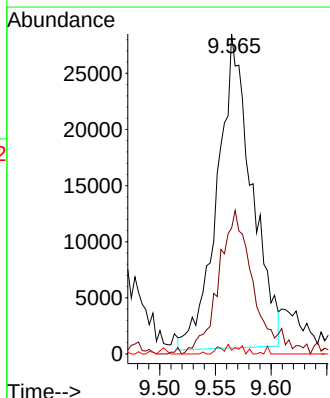
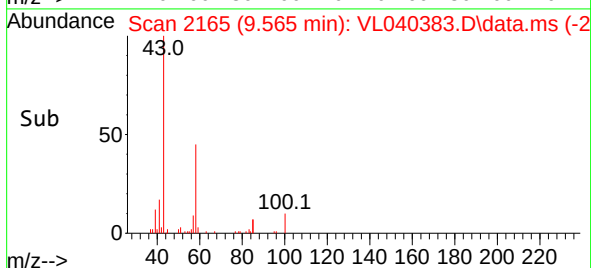
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

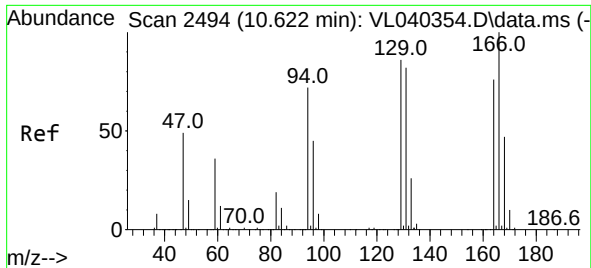


#51
2-Hexanone
Concen: 0.368 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.007 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15



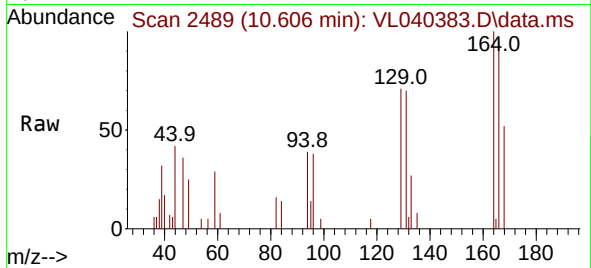
Tgt Ion: 43 Resp: 60034
Ion Ratio Lower Upper
43 100
58 46.6 38.3 57.5
98 1.9 0.4 0.6





#52
Tetrachloroethene
Concen: 0.075 ppbv m
RT: 10.606 min Scan# 2494
Delta R.T. -0.016 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

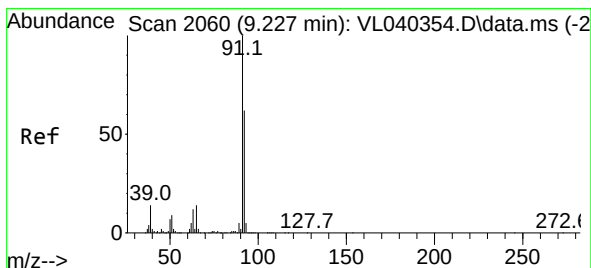
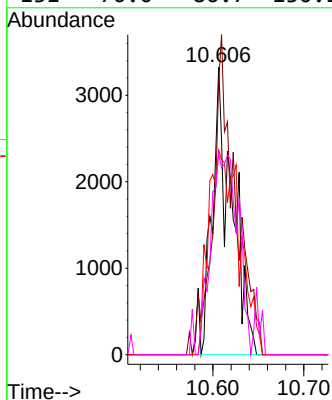
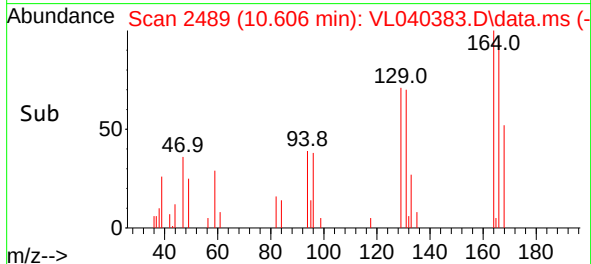
Instrument : MSVOA_L
ClientSampleId : AA-01-20230417



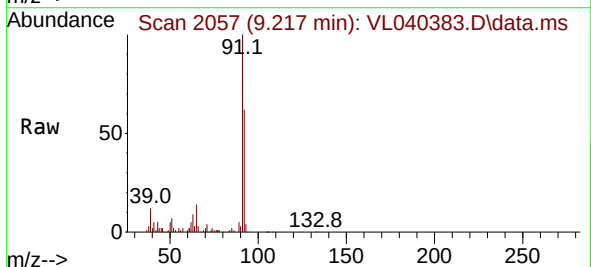
Tgt Ion:164 Resp: 515
Ion Ratio Lower Upper
164 100
166 94.7 105.2 157.8
129 71.2 90.3 135.5
131 70.0 86.7 130.1

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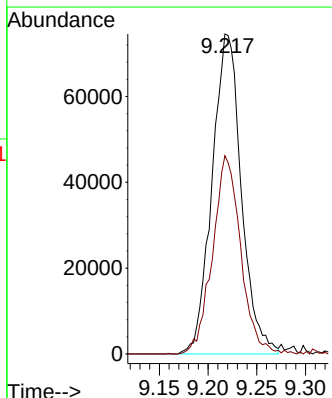
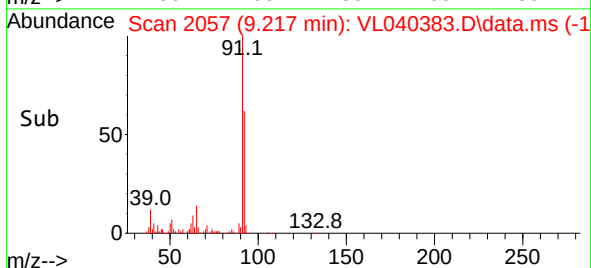
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

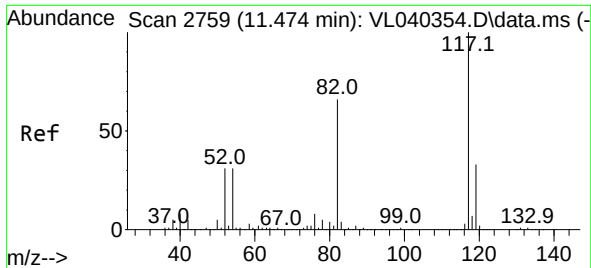


#53
Toluene
Concen: 0.668 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.010 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15



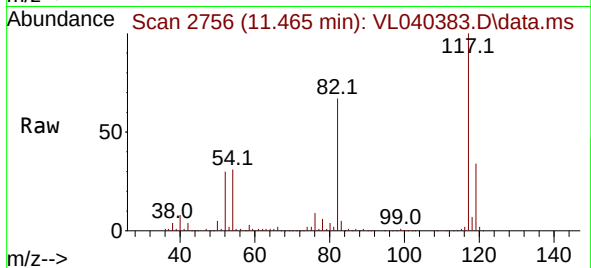
Tgt Ion: 91 Resp: 155830
Ion Ratio Lower Upper
91 100
92 59.7 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.009 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

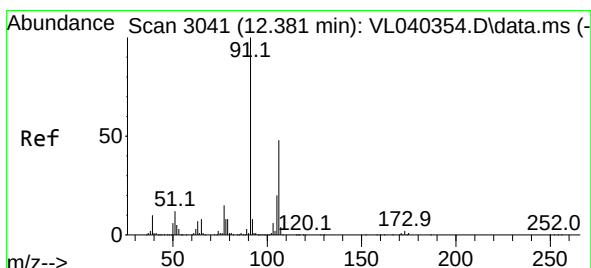
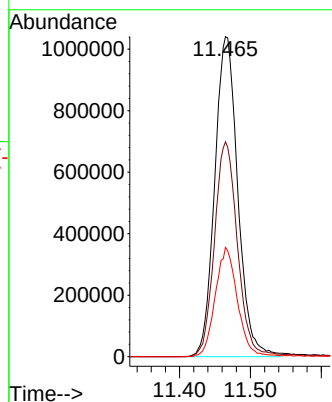
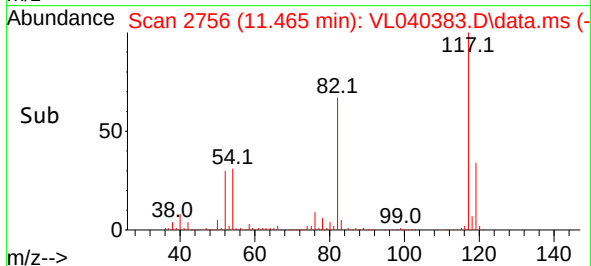
Instrument :
MSVOA_L
ClientSampleId :
AA-01-20230417



Tgt Ion:117 Resp: 2358204
Ion Ratio Lower Upper
117 100
82 67.7 52.5 78.7
119 32.9 24.3 36.5

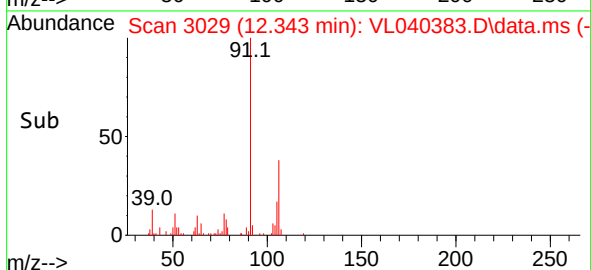
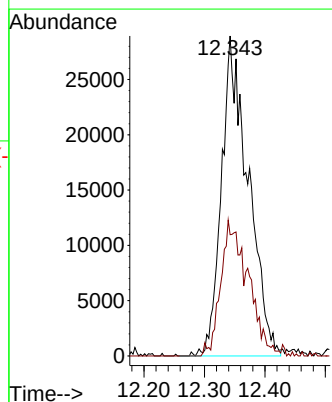
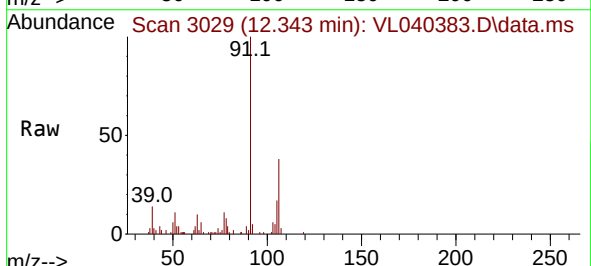
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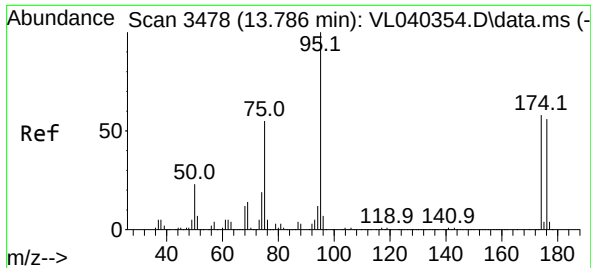
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#59
m/p-Xylene
Concen: 0.332 ppbv m
RT: 12.343 min Scan# 3029
Delta R.T. -0.038 min
Lab File: VL040383.D
Acq: 19 Apr 2023 17:15

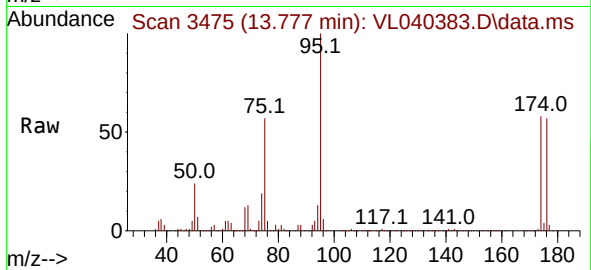
Tgt Ion: 91 Resp: 88701
Ion Ratio Lower Upper
91 100
106 0.0 34.7 52.1#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.901 ppbv
 RT: 13.777 min Scan# 3475
 Delta R.T. -0.009 min
 Lab File: VL040383.D
 Acq: 19 Apr 2023 17:15

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-01-20230417



Tgt Ion: 95 Resp: 1930852
 Ion Ratio Lower Upper
 95 100
 174 60.2 47.2 70.8
 175 4.3 3.5 5.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

