

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040322.D
 Acq On : 10 Apr 2023 13:07
 Operator : SY/MD
 Sample : 02229-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2023
 Supervised By :Mahesh Dadoda 04/11/2023

Quant Time: Apr 11 02:06:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	905484	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.619	114	2219614	10.000	ppbv	-0.04
55) Chlorobenzene-d5	11.436	117	1983058	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1616127	9.732	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.697	85	37892	0.213	ppbv	99
3) Chlorodifluoromethane	2.642	51	27252m	0.239	ppbv	
4) Chloromethane	2.784	50	33330	0.474	ppbv	96
9) Propene	2.671	41	22184m	0.509	ppbv	
11) Trichlorofluoromethane	3.530	101	37166m	0.231	ppbv	
13) Ethanol	3.208	45	142220	44.455	ppbv	97
15) Acetone	3.440	43	413552	3.751	ppbv	99
19) Isopropyl Alcohol	3.549	45	254142	4.813	ppbv #	94
20) Methylene Chloride	3.899	84	173562	3.743	ppbv	94
22) trans-1,2-Dichloroethene	4.414	96	22134m	0.419	ppbv	
26) Hexane	5.176	57	74400m	0.878	ppbv	
34) 2-Butanone	4.767	43	31396m	0.287	ppbv	
35) Carbon Tetrachloride	6.462	117	10896m	0.078	ppbv	
36) Benzene	6.340	78	26686	0.158	ppbv	97
53) Toluene	9.189	91	81141	0.458	ppbv	96
59) m/p-Xylene	12.311	91	45400m	0.219	ppbv	

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

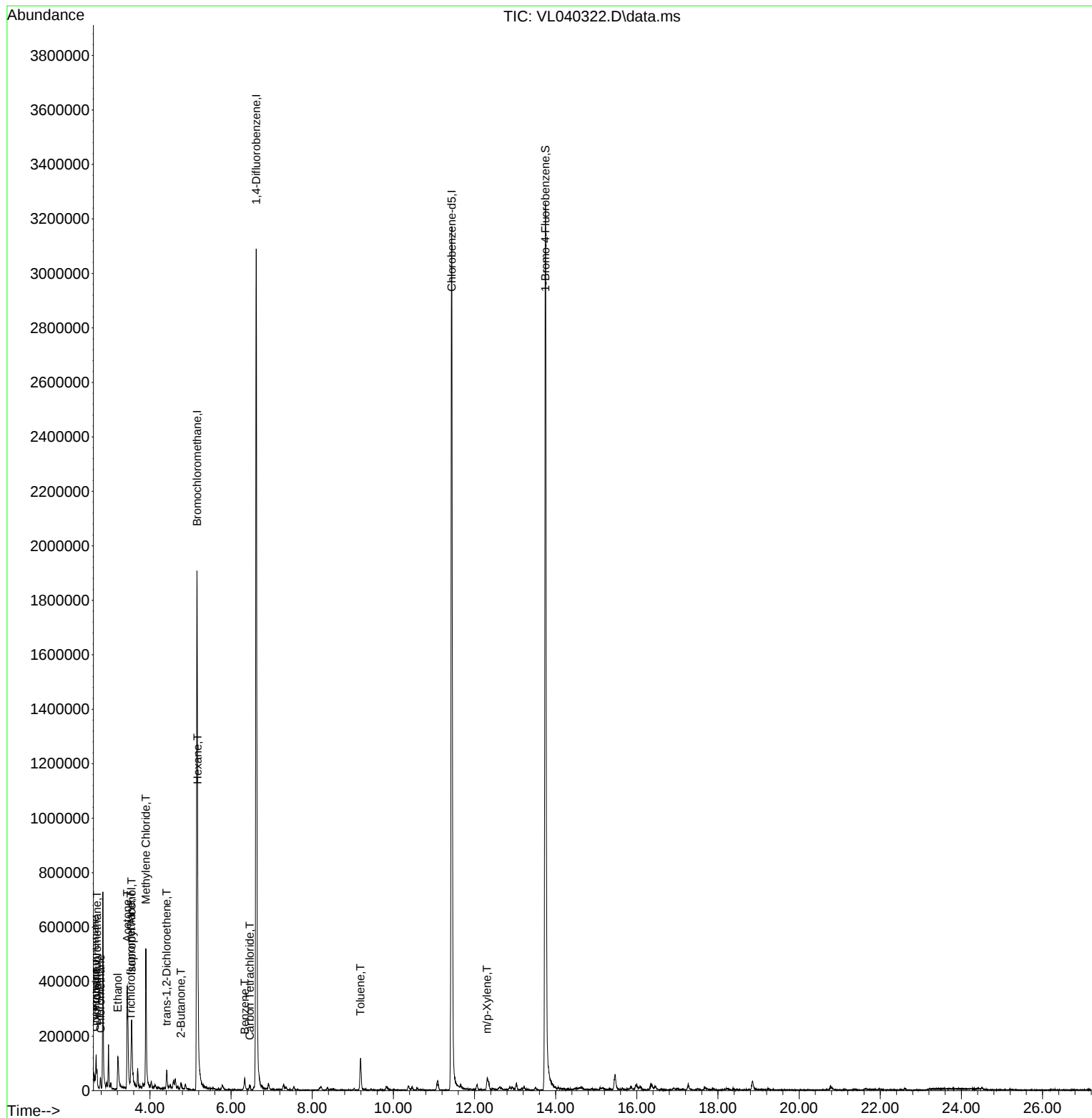
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
Data File : VL040322.D
Acq On : 10 Apr 2023 13:07
Operator : SY/MD
Sample : 02229-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

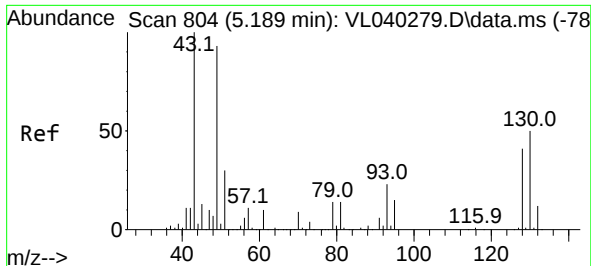
Instrument :
MSVOA_L
ClientSampleId :
AA-1

Quant Time: Apr 11 02:06:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

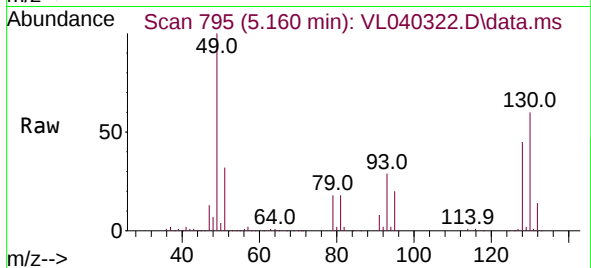
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 79
Delta R.T. -0.029 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

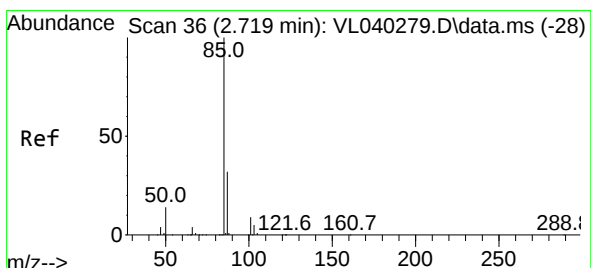
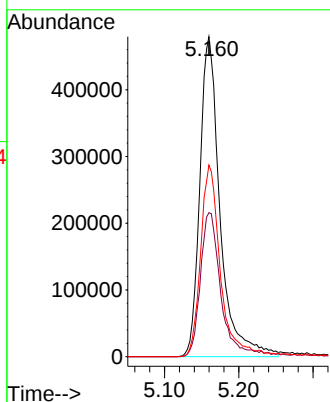
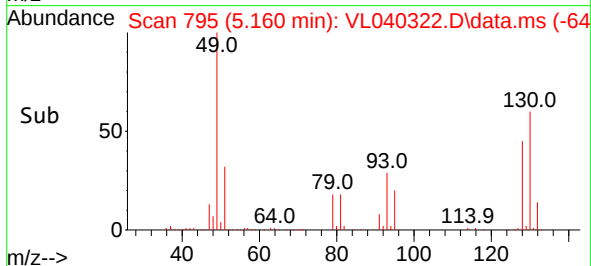
Instrument :
MSVOA_L
ClientSampleId :
AA-1



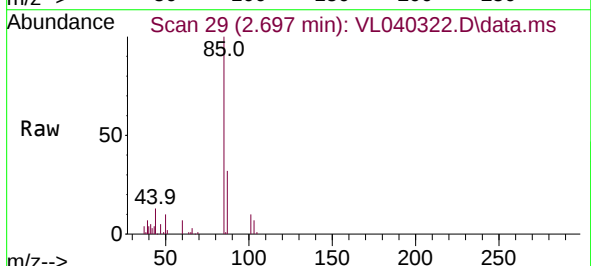
Tgt Ion: 49 Resp: 905484
Ion Ratio Lower Upper
49 100
128 47.0 22.4 67.3
130 59.4 28.7 86.1

Manual Integrations
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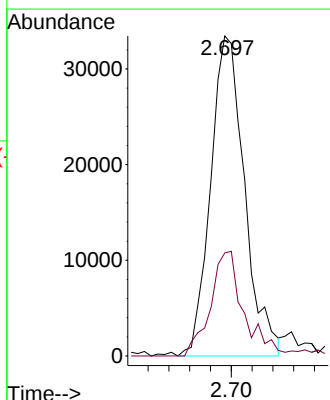
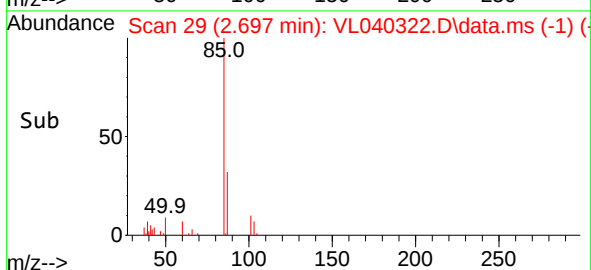
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023

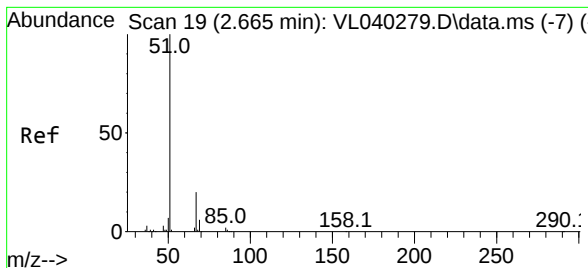


#2
Dichlorodifluoromethane
Concen: 0.213 ppbv
RT: 2.697 min Scan# 29
Delta R.T. -0.022 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07



Tgt Ion: 85 Resp: 37892
Ion Ratio Lower Upper
85 100
87 32.2 25.5 38.3





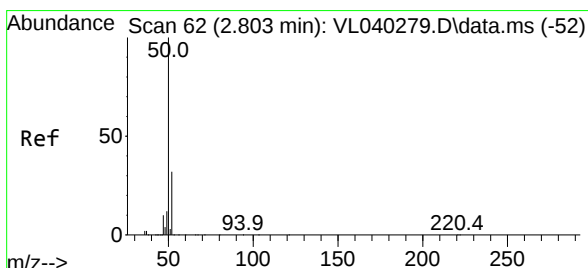
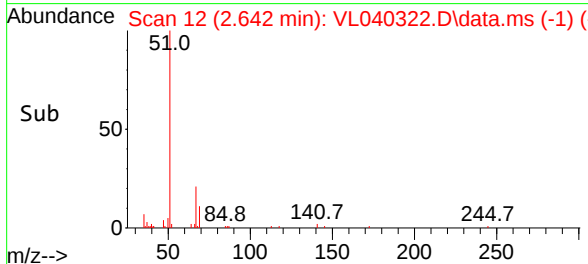
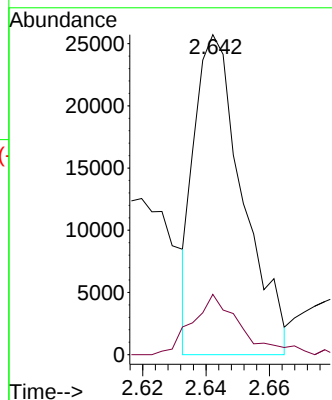
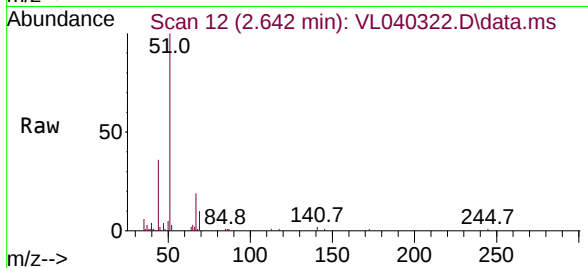
#3
Chlorodifluoromethane
Concen: 0.239 ppbv
RT: 2.642 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 51 Resp: 2725
Ion Ratio Lower Upper
51 100
67 18.8 16.0 24.0

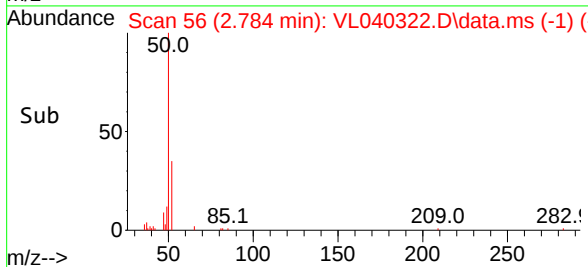
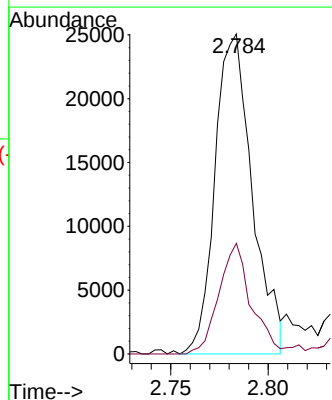
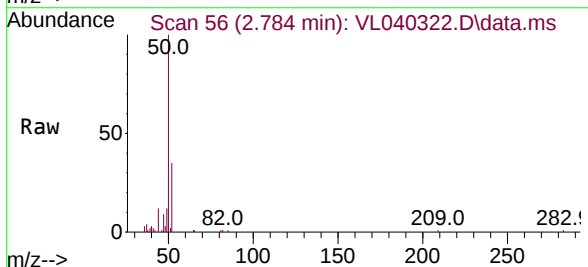
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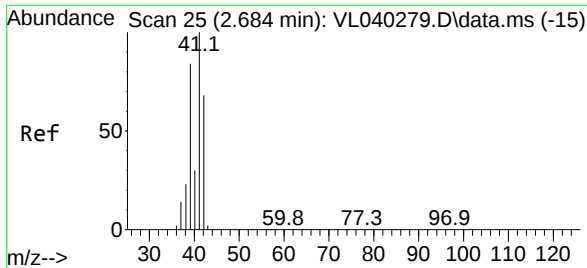
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#4
Chloromethane
Concen: 0.474 ppbv
RT: 2.784 min Scan# 56
Delta R.T. -0.019 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

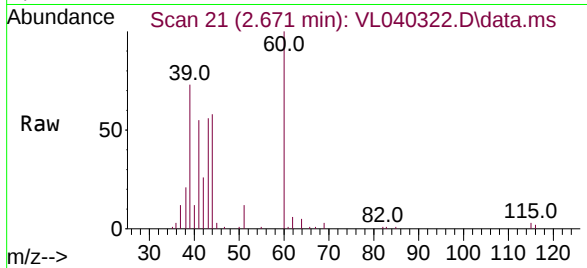
Tgt Ion: 50 Resp: 33330
Ion Ratio Lower Upper
50 100
52 34.6 25.9 38.9





#9
 Propene
 Concen: 0.509 ppbv m
 RT: 2.671 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: VL040322.D
 Acq: 10 Apr 2023 13:07

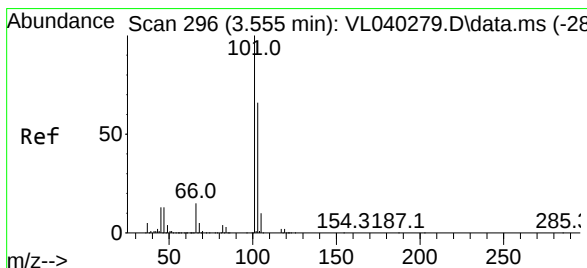
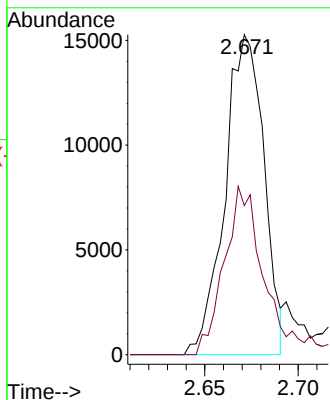
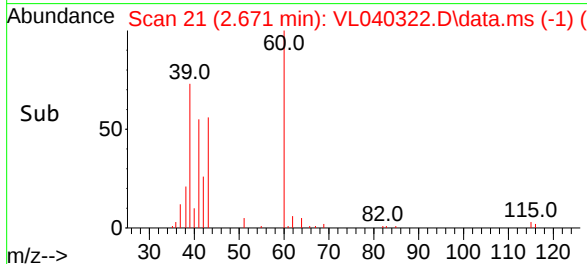
Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1



Tgt Ion: 41 Resp: 22184
 Ion Ratio Lower Upper
 41 100
 42 565.7 59.0 88.4

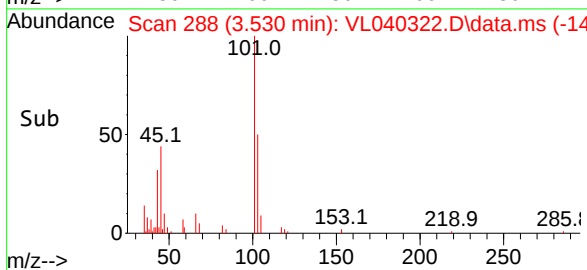
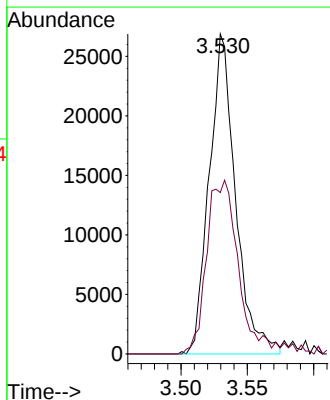
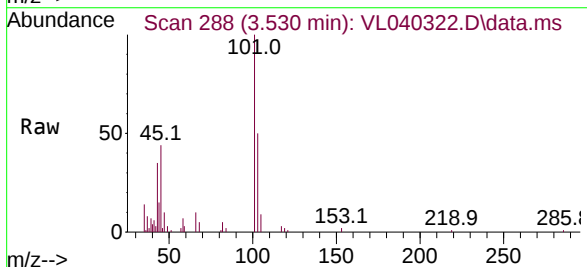
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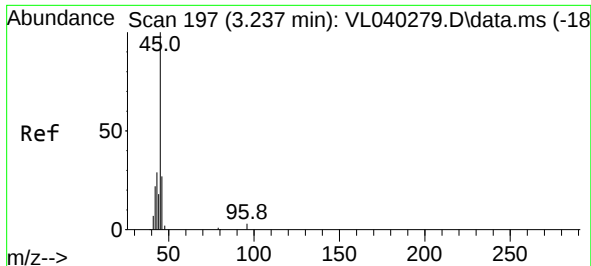
Reviewed By :Semsettin Yesilyurt 04/11/2023
 Supervised By :Mahesh Dadoda 04/11/2023



#11
 Trichlorofluoromethane
 Concen: 0.231 ppbv m
 RT: 3.530 min Scan# 288
 Delta R.T. -0.025 min
 Lab File: VL040322.D
 Acq: 10 Apr 2023 13:07

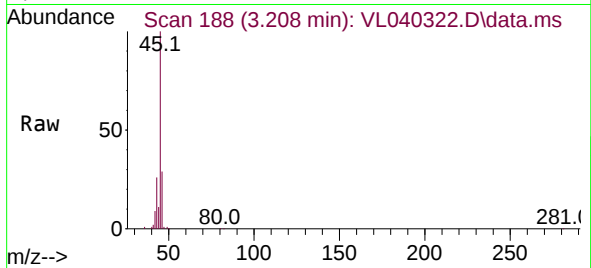
Tgt Ion:101 Resp: 37166
 Ion Ratio Lower Upper
 101 100
 103 50.4 53.1 79.7





#13
Ethanol
Concen: 44.455 ppbv
RT: 3.208 min Scan# 11
Delta R.T. -0.029 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

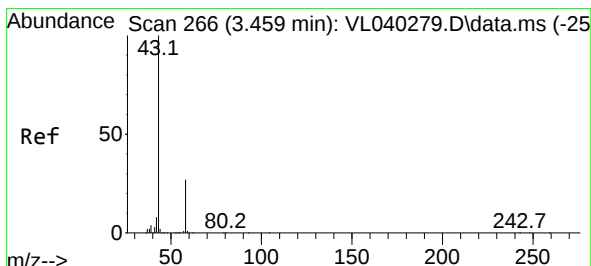
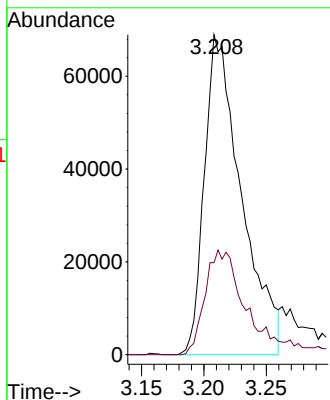
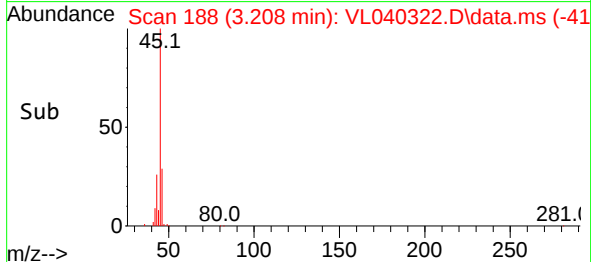
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 45 Resp: 142220
Ion Ratio Lower Upper
45 100
46 39.3 15.0 60.2

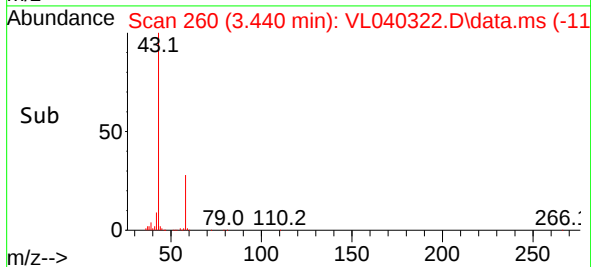
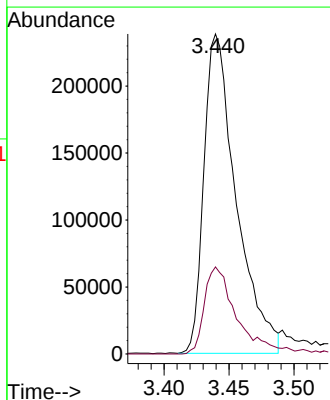
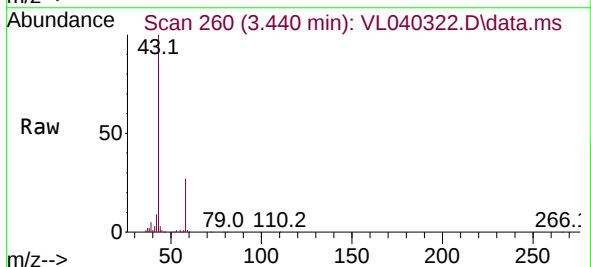
Manual Integrations
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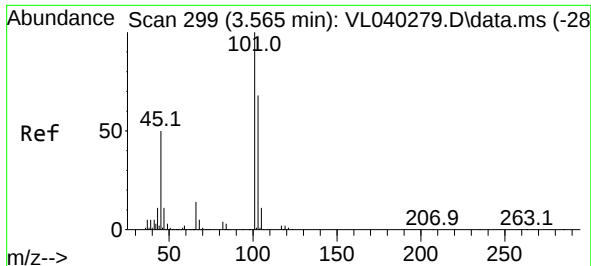
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#15
Acetone
Concen: 3.751 ppbv
RT: 3.440 min Scan# 260
Delta R.T. -0.019 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

Tgt Ion: 43 Resp: 413552
Ion Ratio Lower Upper
43 100
58 27.7 21.8 32.8





#19

Isopropyl Alcohol

Concen: 4.813 ppbv

RT: 3.549 min Scan# 299

Delta R.T. -0.016 min

Lab File: VL040322.D

Acq: 10 Apr 2023 13:07

Instrument :

MSVOA_L

ClientSampleId :

AA-1

Tgt Ion: 45 Resp: 25414

Ion Ratio Lower Upper

45 100

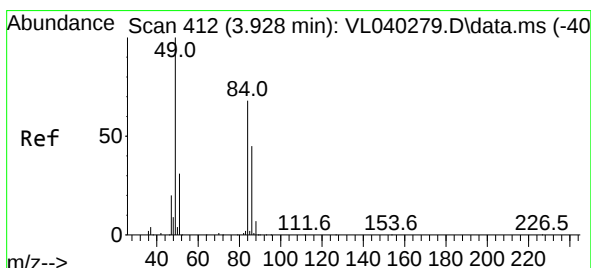
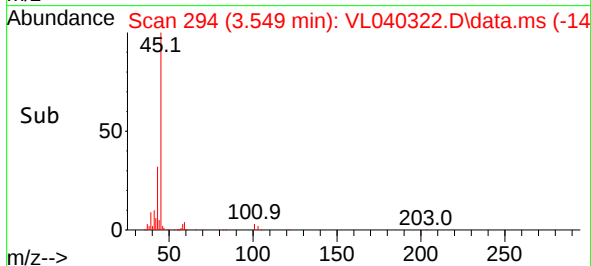
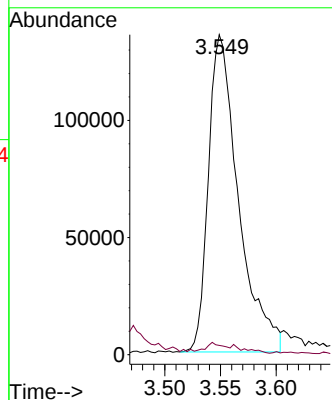
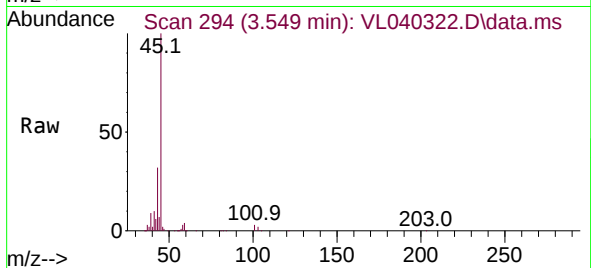
58 5.4 2.7 4.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/11/2023

Supervised By :Mahesh Dadoda 04/11/2023



#20

Methylene Chloride

Concen: 3.743 ppbv

RT: 3.899 min Scan# 403

Delta R.T. -0.029 min

Lab File: VL040322.D

Acq: 10 Apr 2023 13:07

Tgt Ion: 84 Resp: 173562

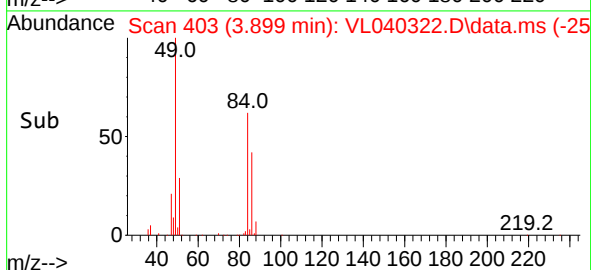
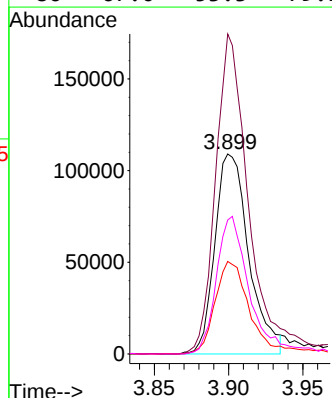
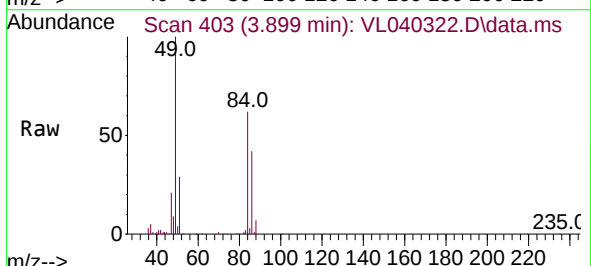
Ion Ratio Lower Upper

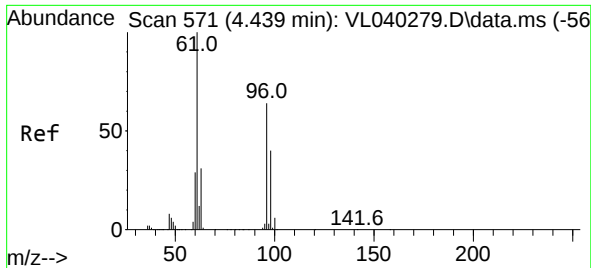
84 100

49 159.7 117.5 176.3

51 46.2 36.9 55.3

86 67.0 53.3 79.9





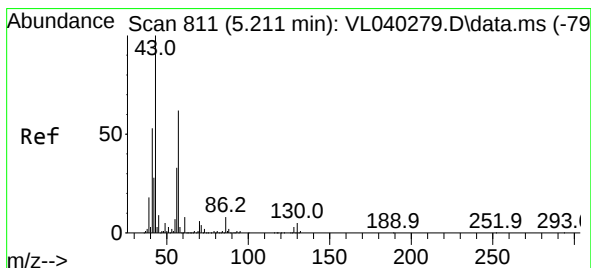
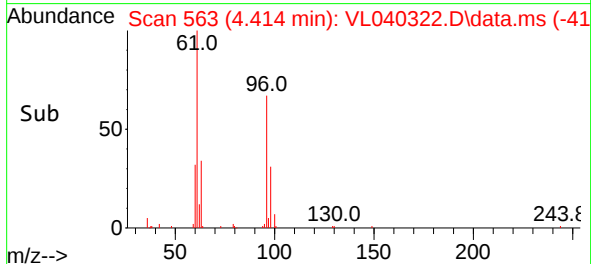
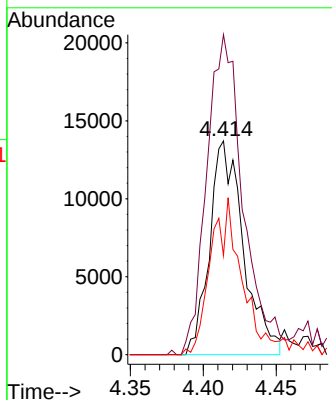
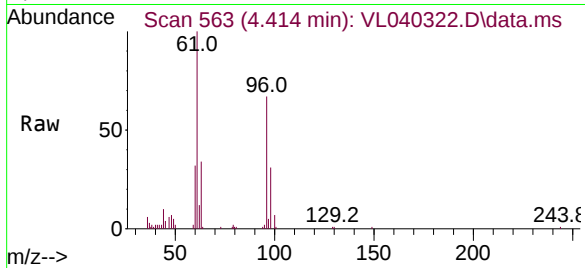
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trans-1,2-Dichloroethene
Concen: 0.419 ppbv m
RT: 4.414 min Scan# 51
Delta R.T. -0.025 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 96 Resp: 22134
Ion Ratio Lower Upper
96 100
61 149.8 125.4 188.2
98 46.4 49.8 74.6

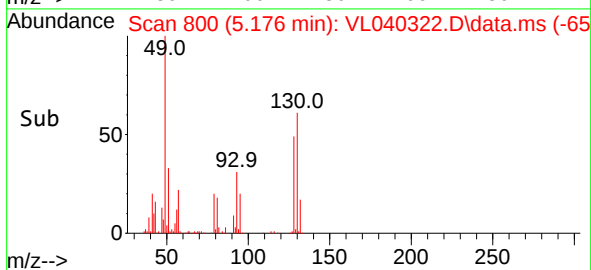
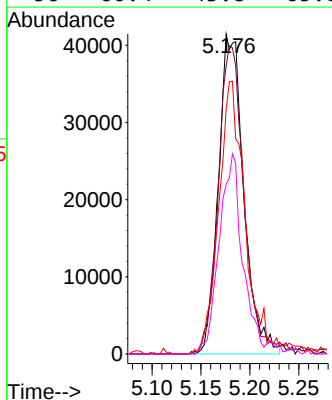
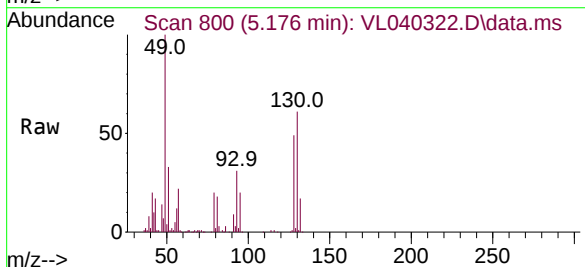
Manual Integrations
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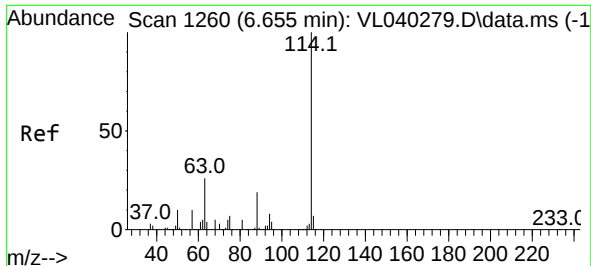
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#26
Hexane
Concen: 0.878 ppbv m
RT: 5.176 min Scan# 800
Delta R.T. -0.035 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

Tgt Ion: 57 Resp: 74400
Ion Ratio Lower Upper
57 100
41 99.2 73.5 110.3
43 91.1 196.3 294.5#
56 60.4 43.8 65.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.619 min Scan# 114

Delta R.T. -0.036 min

Lab File: VL040322.D

Acq: 10 Apr 2023 13:07

Instrument :

MSVOA_L

ClientSampleId :

AA-1

Tgt Ion: 114 Resp: 2219614

Ion Ratio Lower Upper

114 100

63 25.9 21.2 31.8

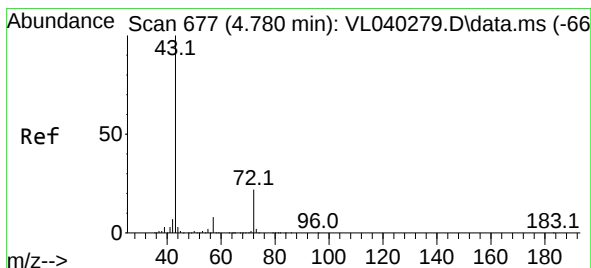
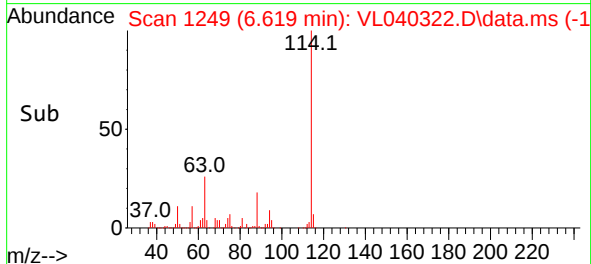
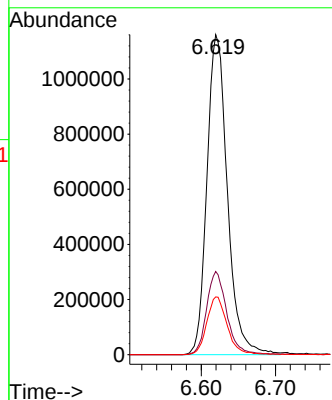
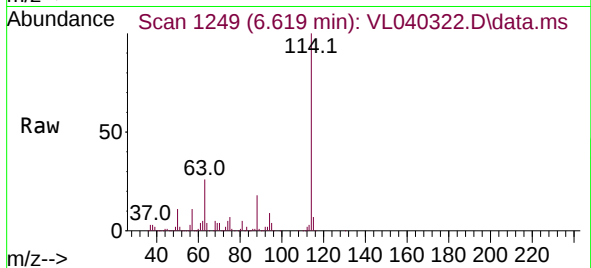
88 18.3 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2023

Supervised By :Mahesh Dadoda 04/11/2023



#34

2-Butanone

Concen: 0.287 ppbv m

RT: 4.767 min Scan# 673

Delta R.T. -0.013 min

Lab File: VL040322.D

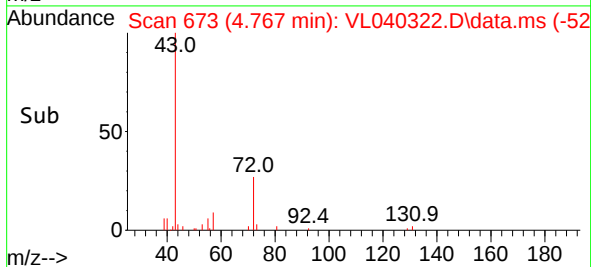
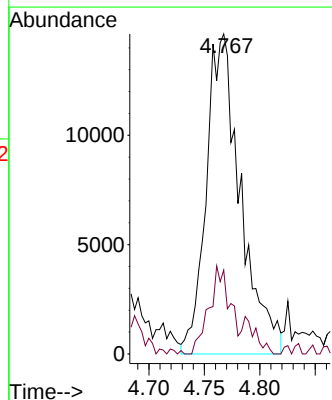
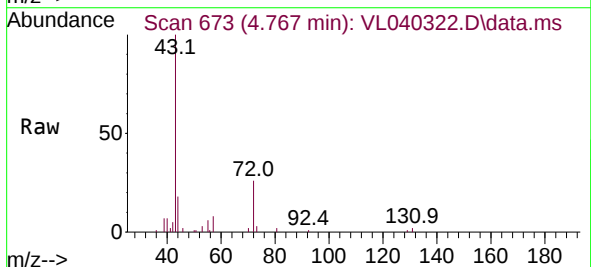
Acq: 10 Apr 2023 13:07

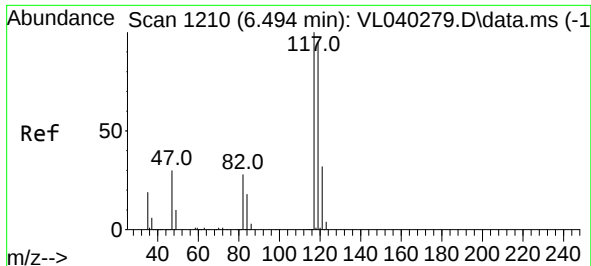
Tgt Ion: 43 Resp: 31396

Ion Ratio Lower Upper

43 100

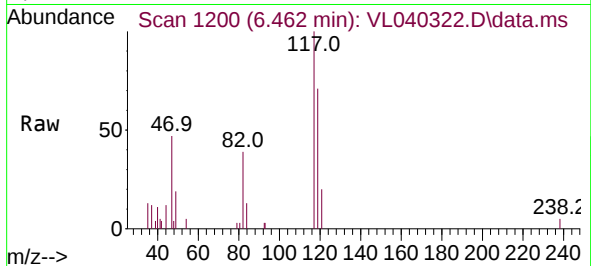
72 21.5 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 6.462 min Scan# 1162
Delta R.T. -0.032 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

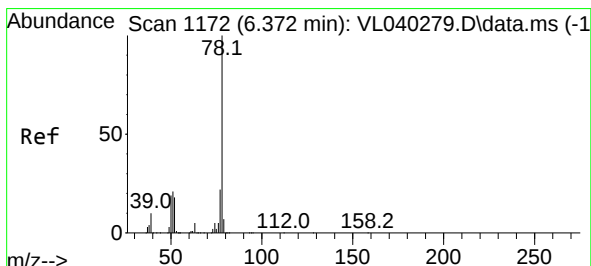
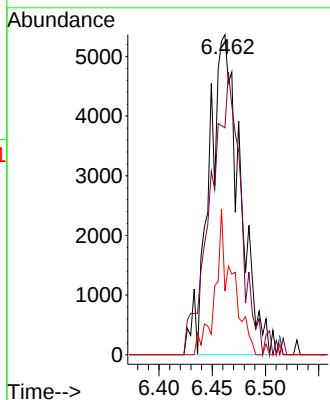
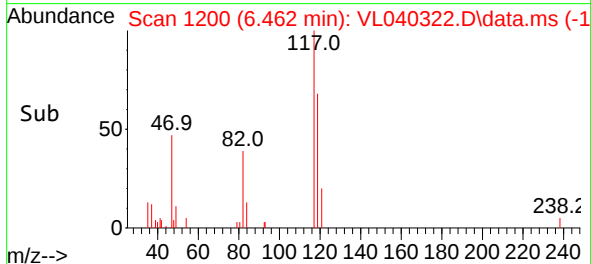
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 117 Resp: 10890
Ion Ratio Lower Upper
117 100
119 70.9 76.4 114.6
121 20.0 25.6 38.4

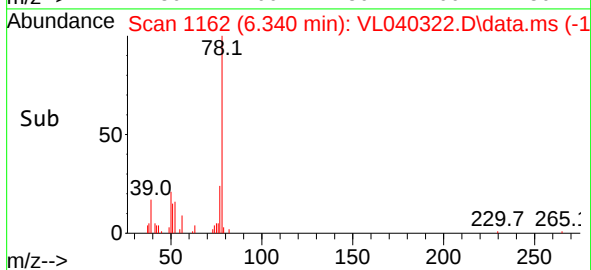
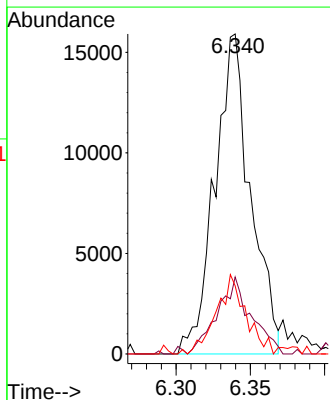
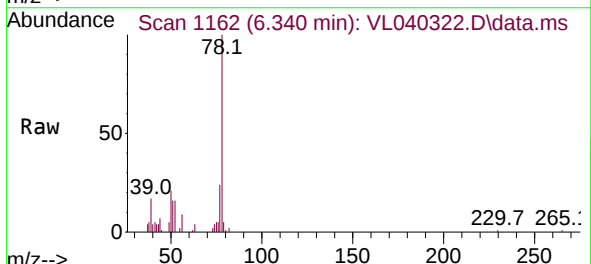
Manual Integrations
APPROVED

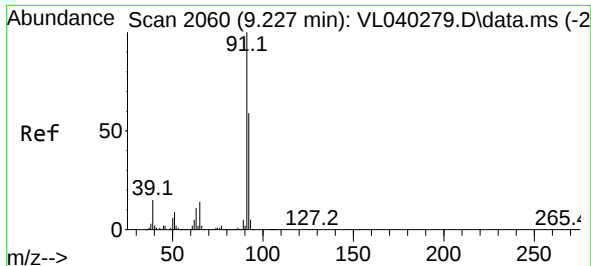
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#36
Benzene
Concen: 0.158 ppbv
RT: 6.340 min Scan# 1162
Delta R.T. -0.032 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

Tgt Ion: 78 Resp: 26686
Ion Ratio Lower Upper
78 100
77 21.7 17.8 26.8
50 21.3 15.4 23.2





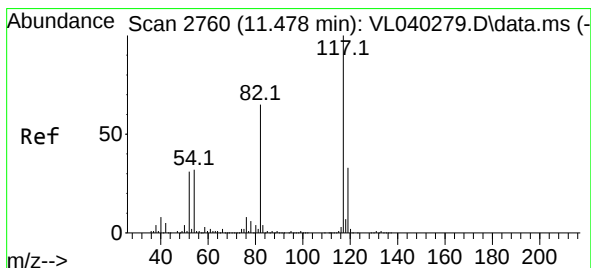
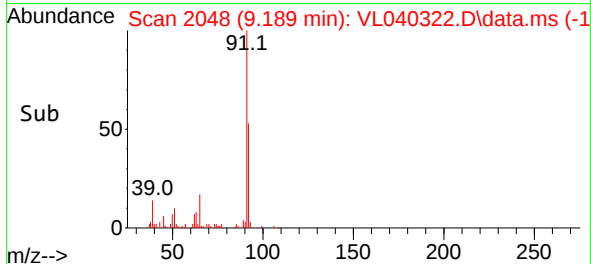
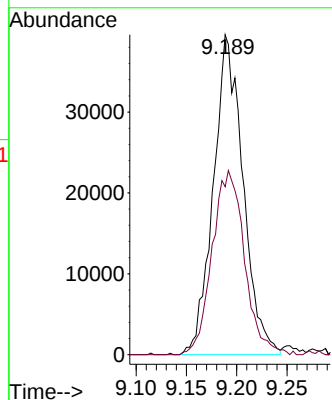
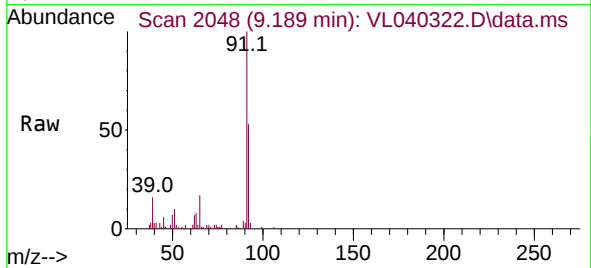
#53
Toluene
Concen: 0.458 ppbv
RT: 9.189 min Scan# 2060
Delta R.T. -0.038 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 91 Resp: 8114
Ion Ratio Lower Upper
91 100
92 62.8 48.0 72.0

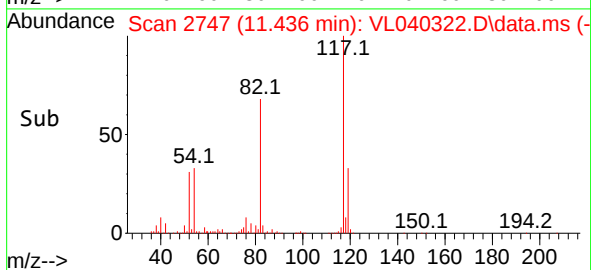
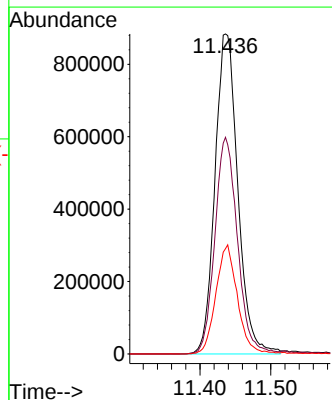
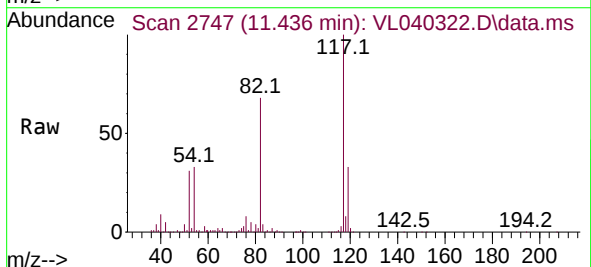
Manual Integrations
APPROVED

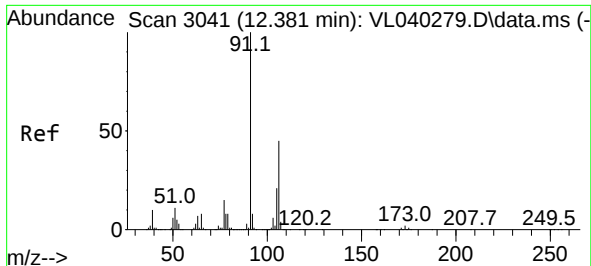
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2747
Delta R.T. -0.042 min
Lab File: VL040322.D
Acq: 10 Apr 2023 13:07

Tgt Ion:117 Resp: 1983058
Ion Ratio Lower Upper
117 100
82 67.7 51.4 77.2
119 32.6 24.0 36.0





#59

m/p-Xylene

Concen: 0.219 ppbv m

RT: 12.311 min Scan# 3041

Delta R.T. -0.070 min

Lab File: VL040322.D

Acq: 10 Apr 2023 13:07

Instrument :

MSVOA_L

ClientSampleId :

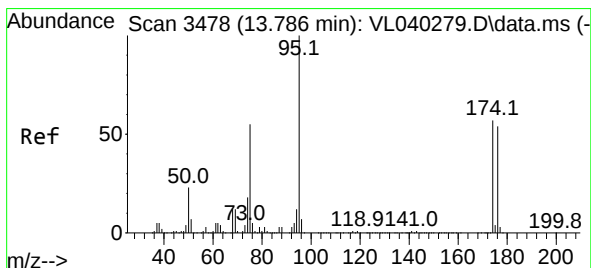
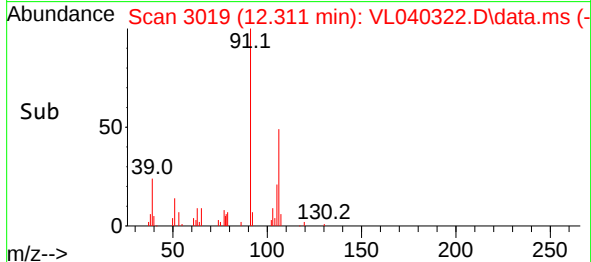
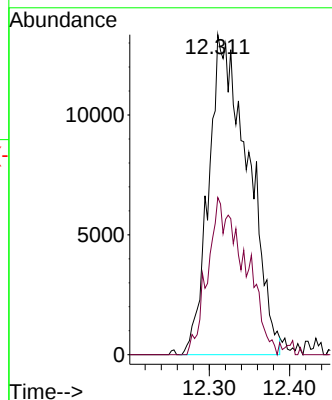
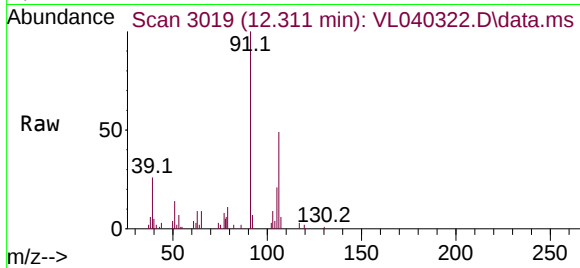
AA-1

Tgt Ion: 91 Resp: 45400
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2023
 Supervised By :Mahesh Dadoda 04/11/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.732 ppbv

RT: 13.748 min Scan# 3466

Delta R.T. -0.038 min

Lab File: VL040322.D

Acq: 10 Apr 2023 13:07

Tgt Ion: 95 Resp: 1616127
 Ion Ratio Lower Upper
 95 100
 174 58.8 47.0 70.6
 175 4.1 3.4 5.2

