

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040519.D
 Acq On : 10 Jul 2023 23:18
 Operator : SY/MD
 Sample : 03535-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 02:11:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 11 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	894013	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2251669	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1865520	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1499017	10.153	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	90506	0.506	ppbv	96
3) Chlorodifluoromethane	2.677	51	43759	0.309	ppbv	99
4) Chloromethane	2.822	50	31248	0.557	ppbv	98
9) Propene	2.713	41	29708	0.612	ppbv	85
11) Trichlorofluoromethane	3.571	101	35901	0.249	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.066	101	7395m	0.073	ppbv	
13) Ethanol	3.243	45	142474	13.498	ppbv	97
15) Acetone	3.472	43	781217	7.591	ppbv	99
19) Isopropyl Alcohol	3.581	45	550896	9.325	ppbv #	96
20) Methylene Chloride	3.938	84	311442	7.115	ppbv	98
26) Hexane	5.217	57	158534	1.742	ppbv #	41
34) 2-Butanone	4.796	43	36119	0.325	ppbv	94
35) Carbon Tetrachloride	6.494	117	10462m	0.077	ppbv	
36) Benzene	6.375	78	22644m	0.125	ppbv	
53) Toluene	9.227	91	58221m	0.296	ppbv	

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

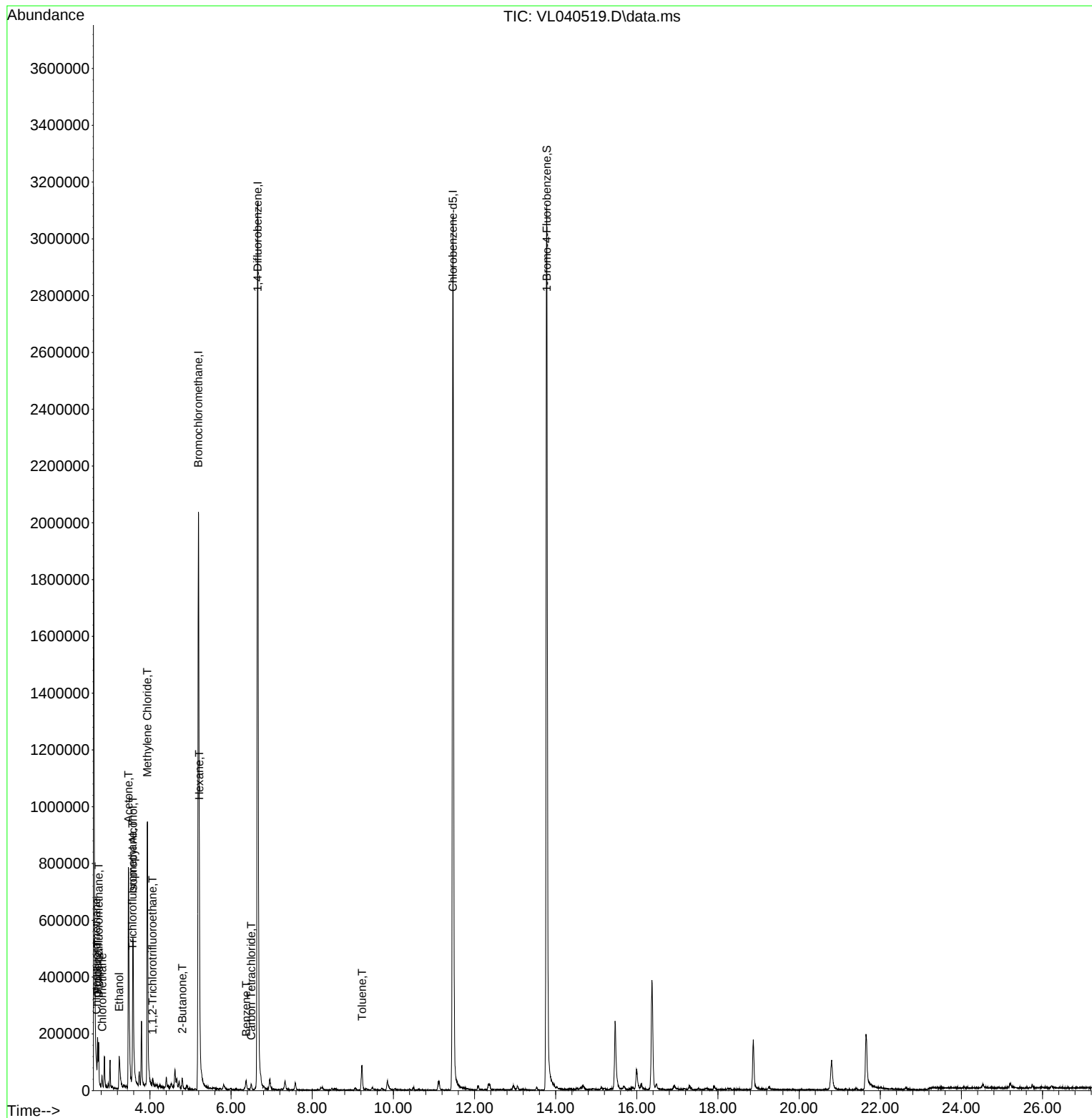
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
Data File : VL040519.D
Acq On : 10 Jul 2023 23:18
Operator : SY/MD
Sample : 03535-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

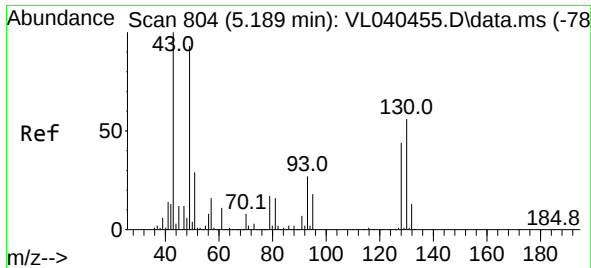
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jul 11 02:11:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

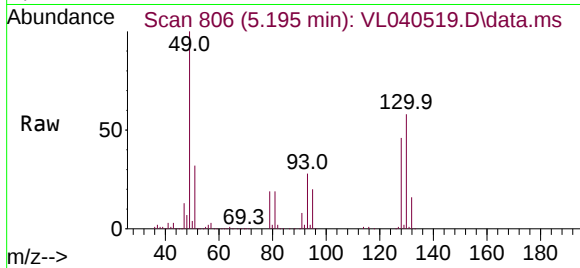
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 804
Delta R.T. -0.007 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

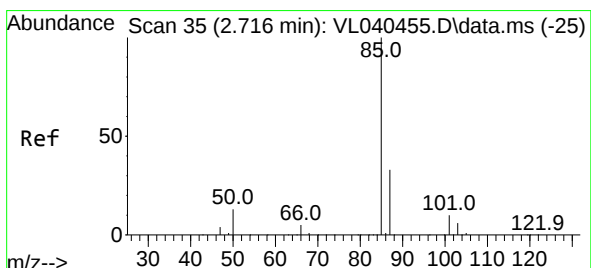
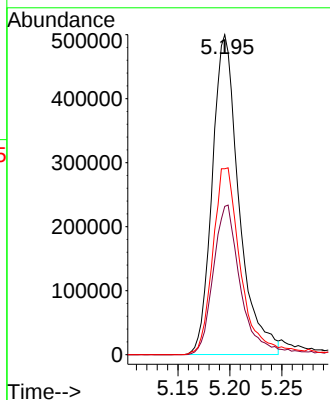
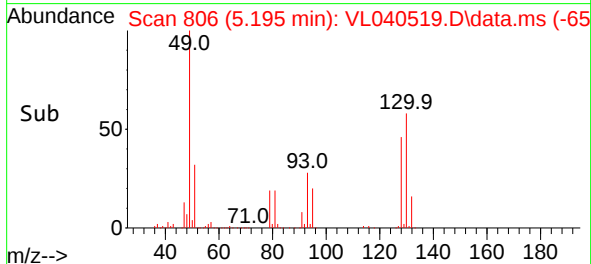
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 894011
Ion Ratio Lower Upper
49 100
128 49.4 25.1 75.4
130 63.1 31.6 94.7

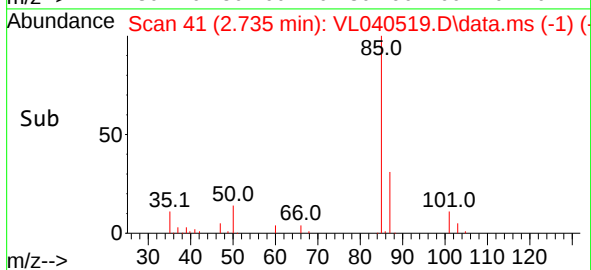
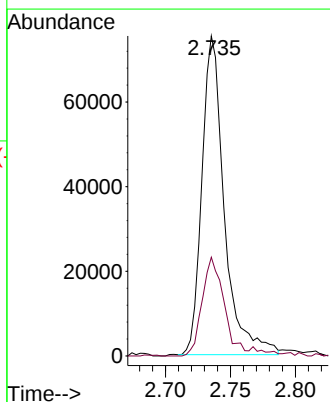
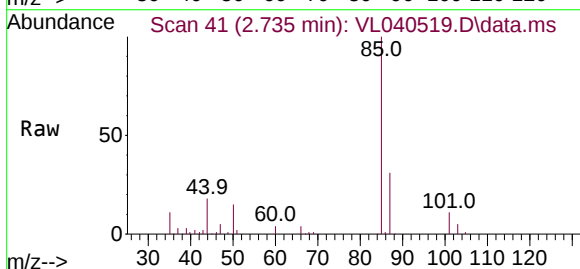
Manual Integrations
APPROVED

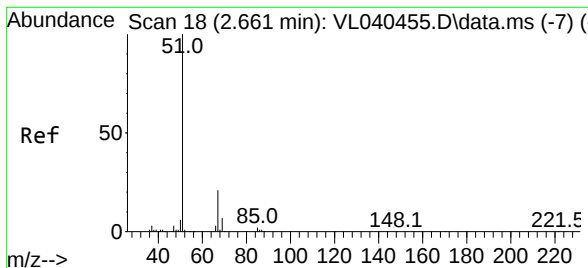
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#2
Dichlorodifluoromethane
Concen: 0.506 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

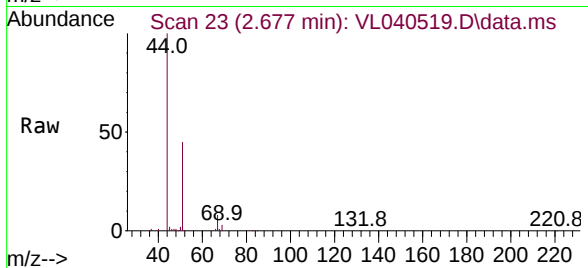
Tgt Ion: 85 Resp: 90506
Ion Ratio Lower Upper
85 100
87 31.0 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.309 ppbv
RT: 2.677 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

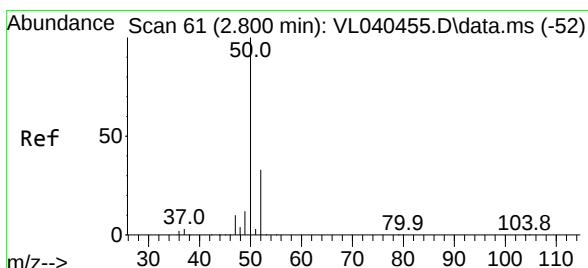
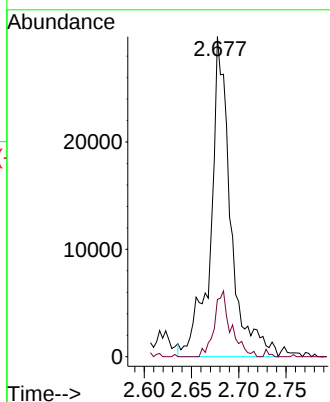
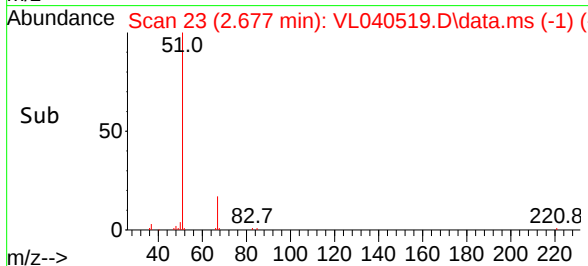
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 51 Resp: 43759
Ion Ratio Lower Upper
51 100
67 17.6 14.6 21.8

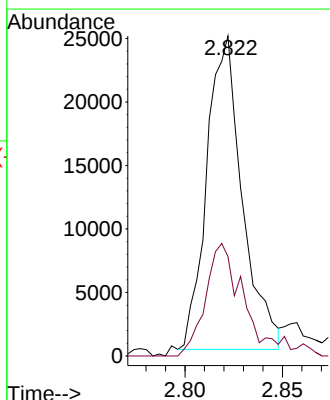
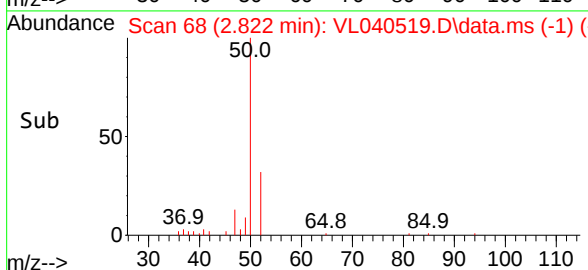
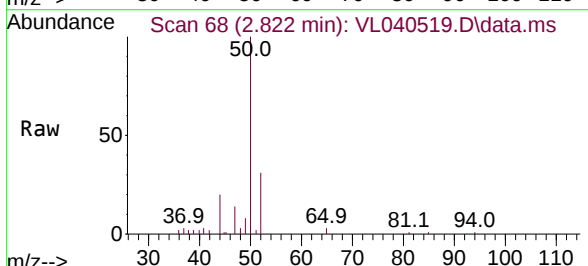
Manual Integrations
APPROVED

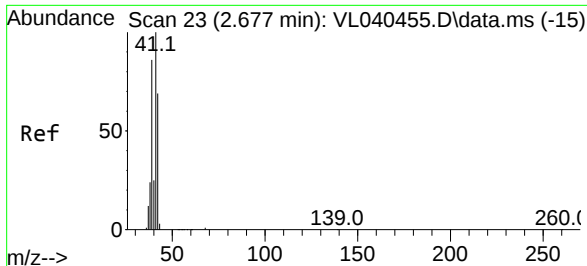
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#4
Chloromethane
Concen: 0.557 ppbv
RT: 2.822 min Scan# 68
Delta R.T. -0.000 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

Tgt Ion: 50 Resp: 31248
Ion Ratio Lower Upper
50 100
52 31.7 24.4 36.6





#9

Propene

Concen: 0.612 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.010 min

Lab File: VL040519.D

Acq: 10 Jul 2023 23:18

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 41 Resp: 29708

Ion Ratio Lower Upper

41 100

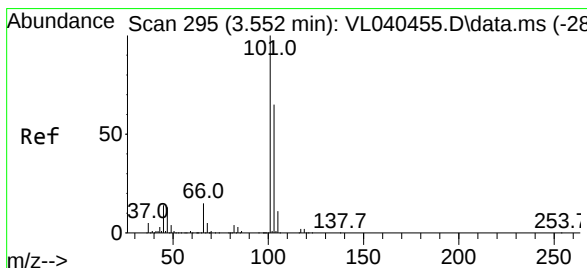
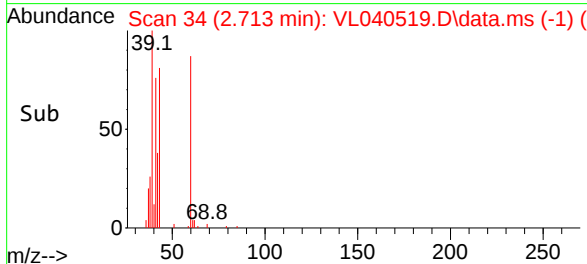
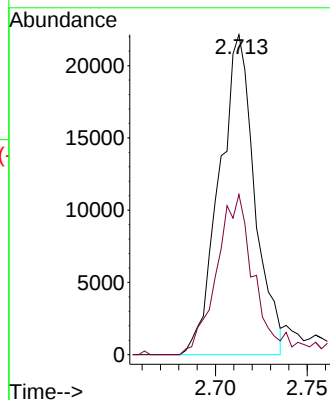
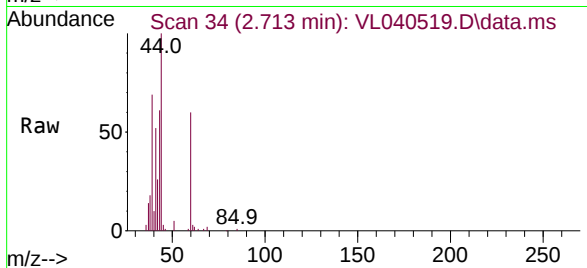
42 56.3 55.0 82.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#11

Trichlorofluoromethane

Concen: 0.249 ppbv

RT: 3.571 min Scan# 301

Delta R.T. -0.000 min

Lab File: VL040519.D

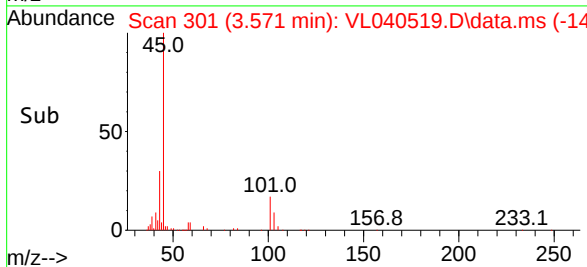
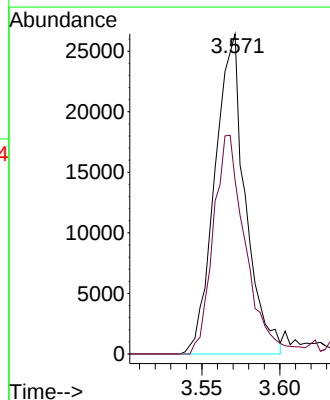
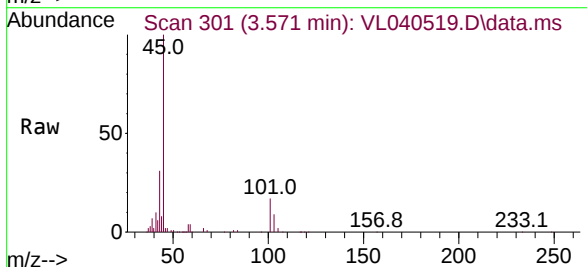
Acq: 10 Jul 2023 23:18

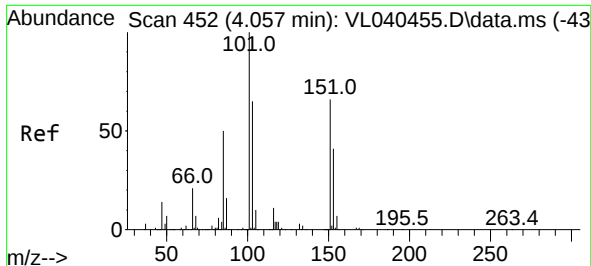
Tgt Ion:101 Resp: 35901

Ion Ratio Lower Upper

101 100

103 54.2 53.4 80.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.073 ppbv

RT: 4.066 min Scan# 4

Delta R.T. -0.007 min

Lab File: VL040519.D

Acq: 10 Jul 2023 23:18

Instrument :

MSVOA_L

ClientSampleId :

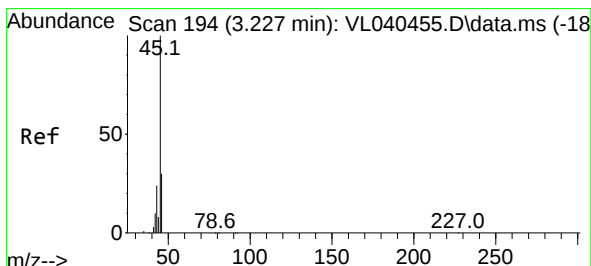
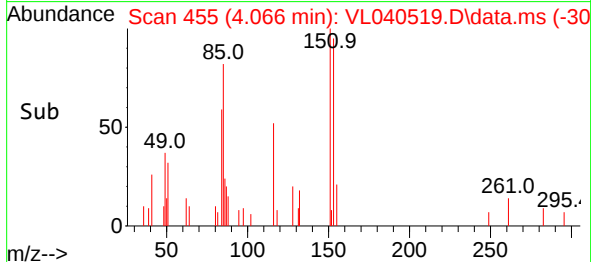
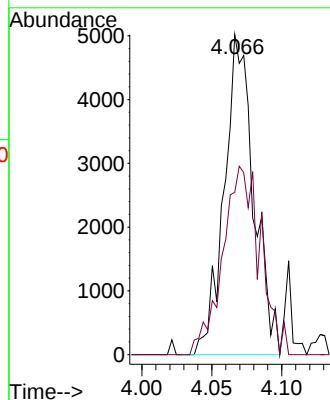
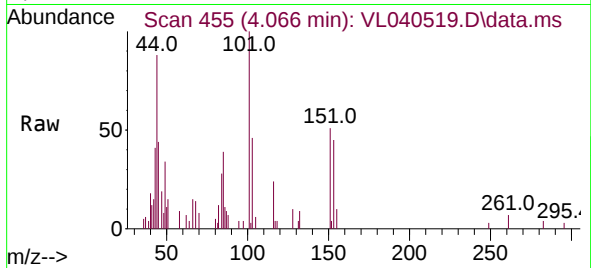
OA1

Tgt Ion:101 Resp: 739
 Ion Ratio Lower Upper
 101 100
 151 74.7 58.2 87.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#13

Ethanol

Concen: 13.498 ppbv

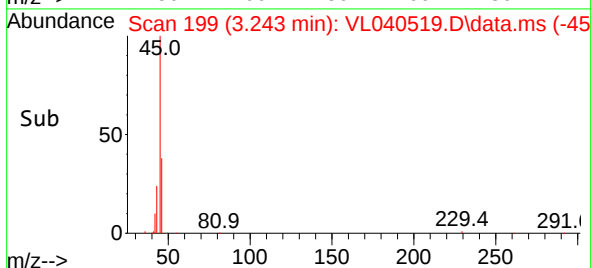
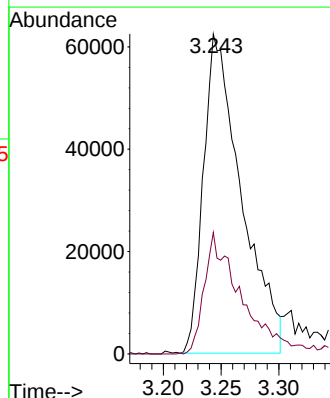
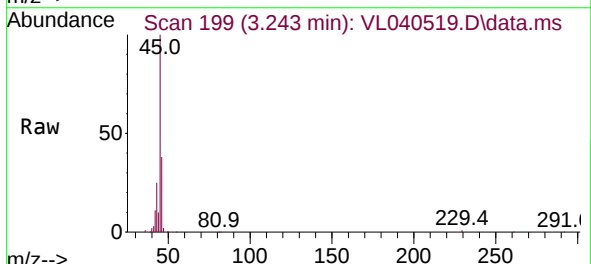
RT: 3.243 min Scan# 199

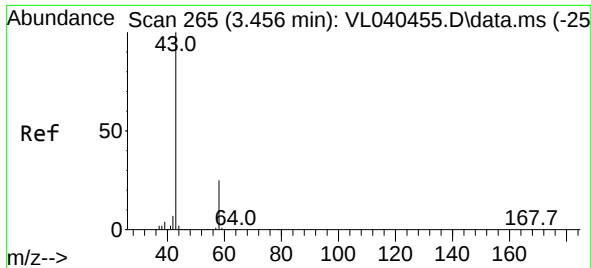
Delta R.T. -0.003 min

Lab File: VL040519.D

Acq: 10 Jul 2023 23:18

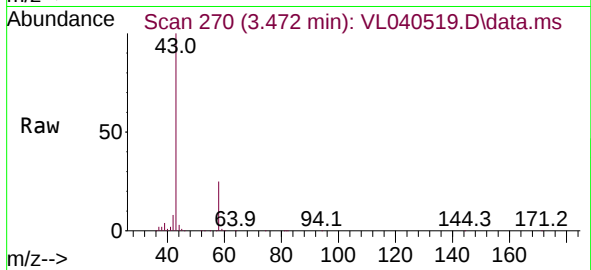
Tgt Ion: 45 Resp: 142474
 Ion Ratio Lower Upper
 45 100
 46 39.8 15.3 61.1





#15
Acetone
Concen: 7.591 ppbv
RT: 3.472 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

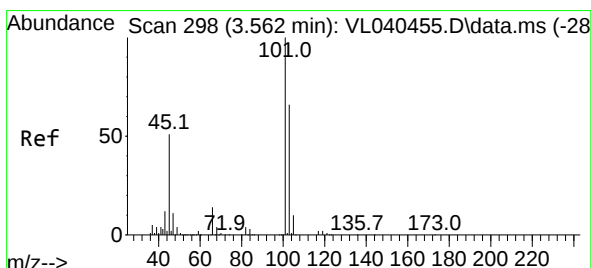
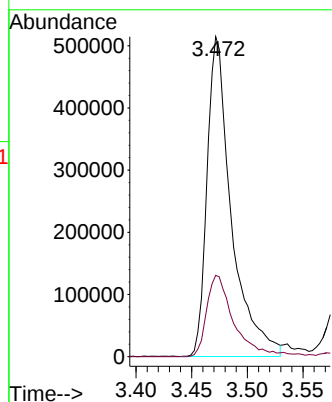
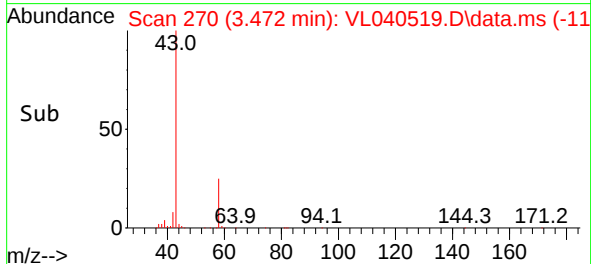
Instrument :
MSVOA_L
ClientSampleId :
OA1



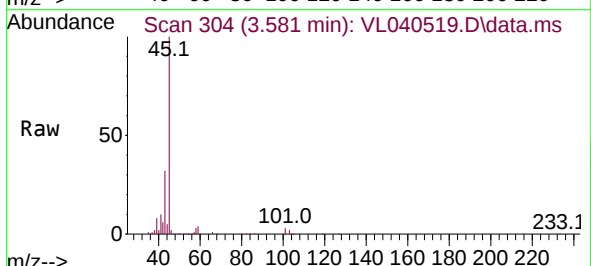
Tgt Ion: 43 Resp: 78121
Ion Ratio Lower Upper
43 100
58 28.9 22.9 34.3

Manual Integrations
APPROVED

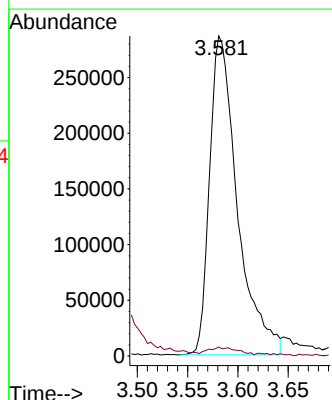
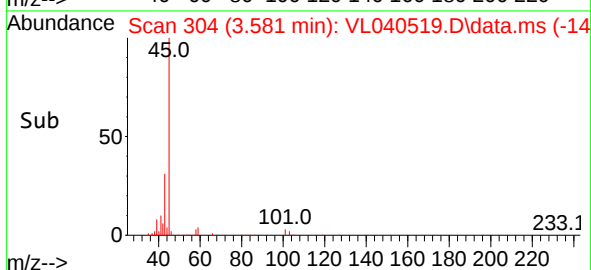
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

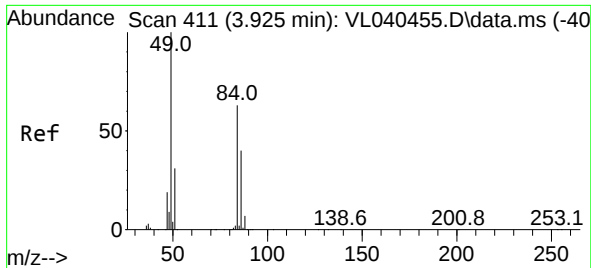


#19
Isopropyl Alcohol
Concen: 9.325 ppbv
RT: 3.581 min Scan# 304
Delta R.T. -0.000 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18



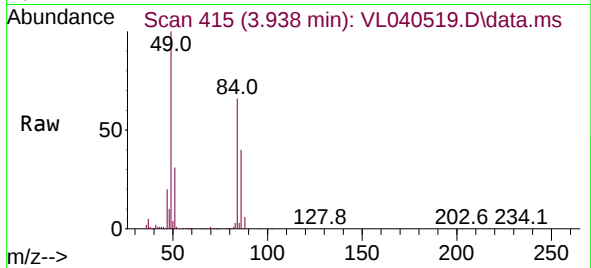
Tgt Ion: 45 Resp: 550896
Ion Ratio Lower Upper
45 100
58 3.0 1.1 1.7#





#20
Methylene Chloride
Concen: 7.115 ppbv
RT: 3.938 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

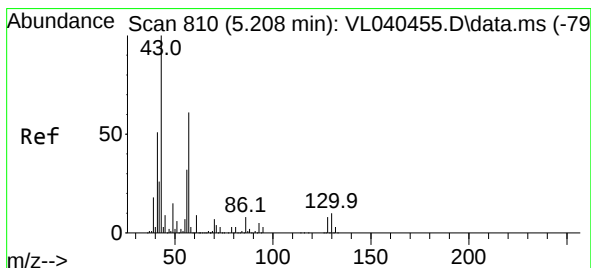
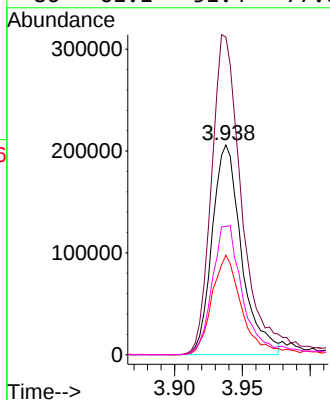
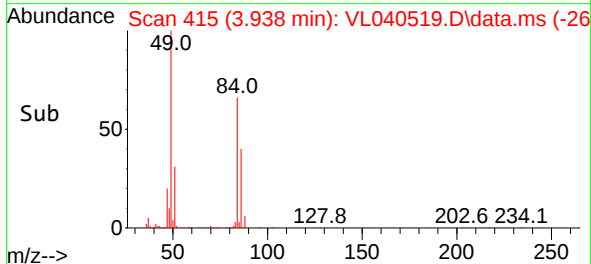
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 311442
Ion Ratio Lower Upper
84 100
49 151.3 123.4 185.2
51 47.3 38.3 57.5
86 61.1 51.4 77.0

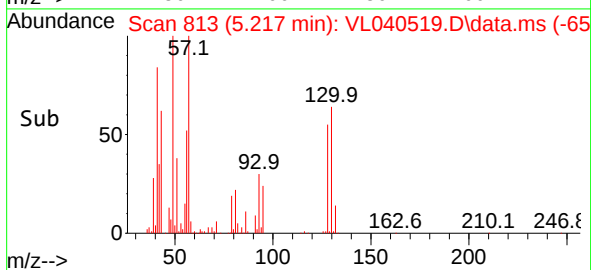
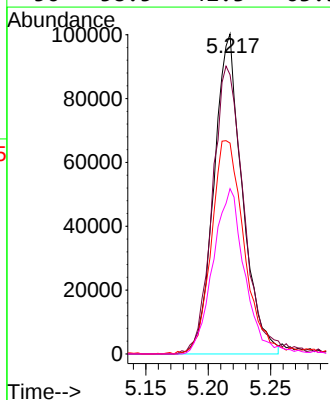
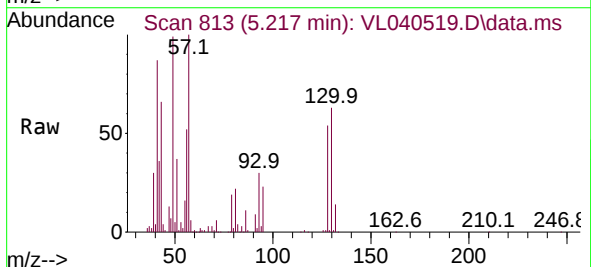
Manual Integrations
APPROVED

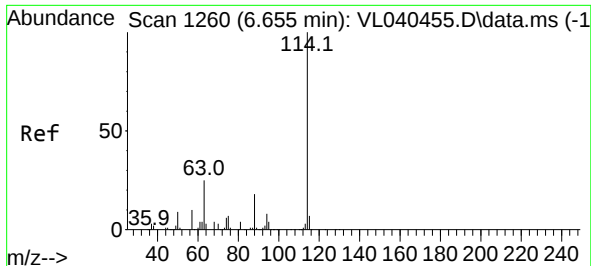
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#26
Hexane
Concen: 1.742 ppbv
RT: 5.217 min Scan# 813
Delta R.T. -0.003 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

Tgt Ion: 57 Resp: 158534
Ion Ratio Lower Upper
57 100
41 101.7 69.5 104.3
43 78.9 177.1 265.7#
56 58.5 42.3 63.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.010 min

Lab File: VL040519.D

Acq: 10 Jul 2023 23:18

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 225166

Ion Ratio Lower Upper

114 100

63 26.2 19.6 29.4

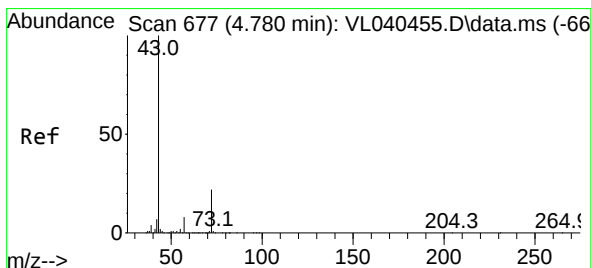
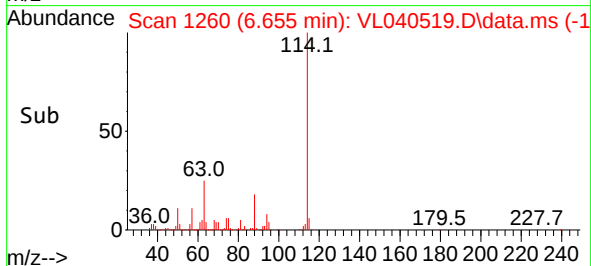
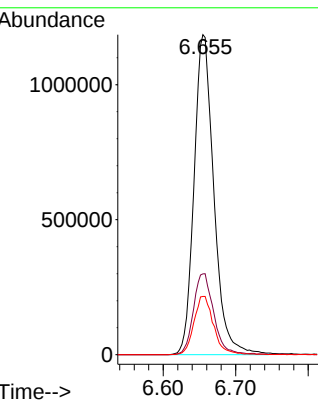
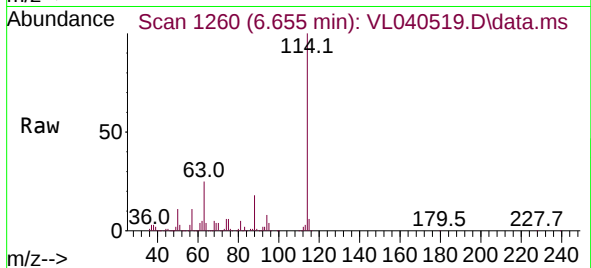
88 18.2 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#34

2-Butanone

Concen: 0.325 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.003 min

Lab File: VL040519.D

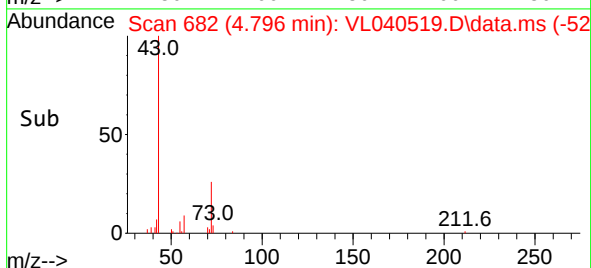
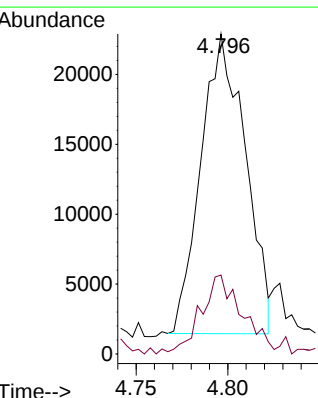
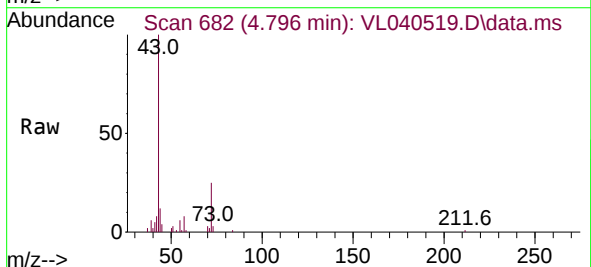
Acq: 10 Jul 2023 23:18

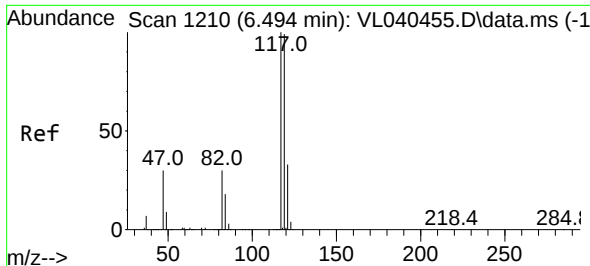
Tgt Ion: 43 Resp: 36119

Ion Ratio Lower Upper

43 100

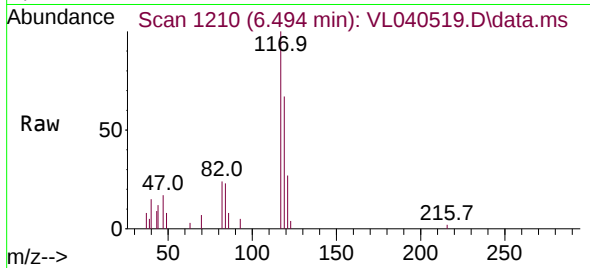
72 27.1 19.1 28.7





#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 6.494 min Scan# 1170
Delta R.T. -0.010 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

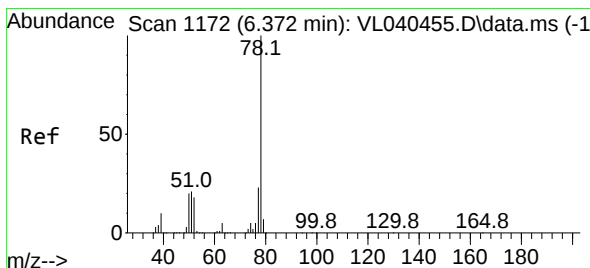
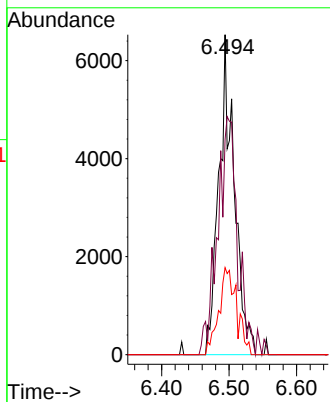
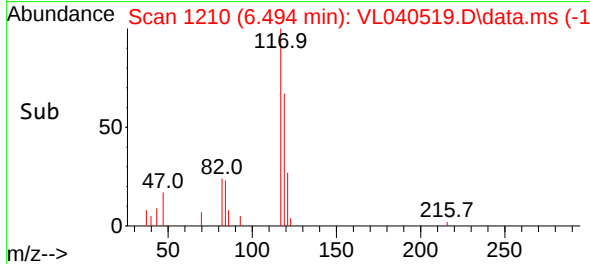
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 10462
Ion Ratio Lower Upper
117 100
119 67.3 77.8 116.6
121 27.2 24.8 37.2

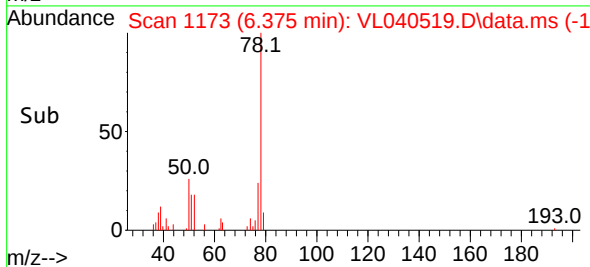
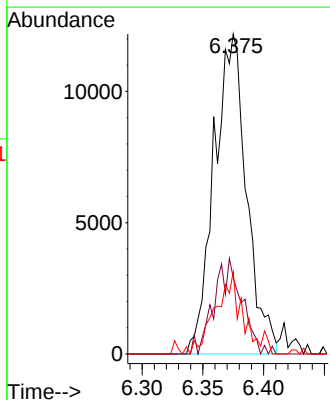
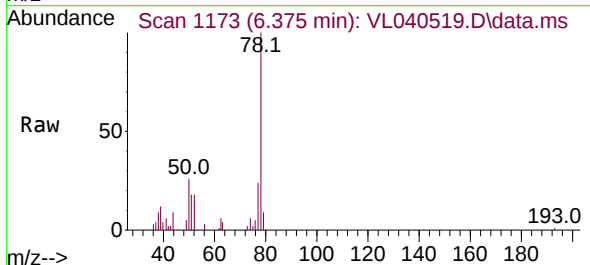
Manual Integrations
APPROVED

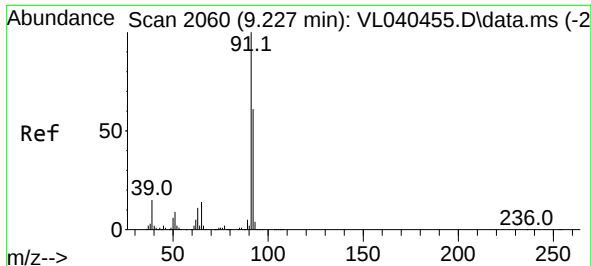
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#36
Benzene
Concen: 0.125 ppbv m
RT: 6.375 min Scan# 1173
Delta R.T. -0.007 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

Tgt Ion: 78 Resp: 22644
Ion Ratio Lower Upper
78 100
77 23.8 17.4 26.0
50 25.7 14.4 21.6





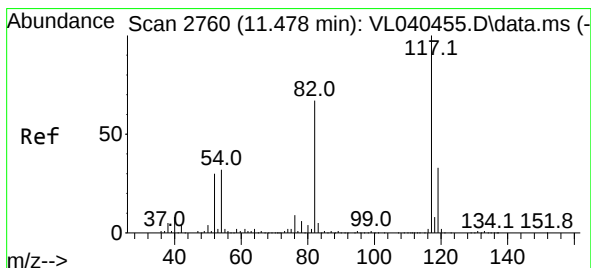
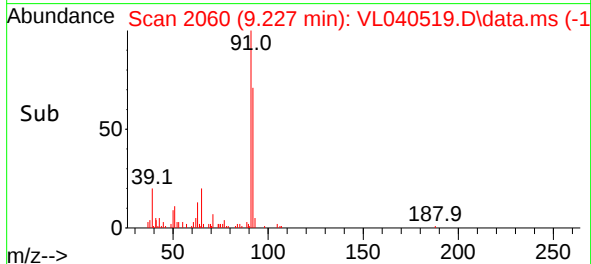
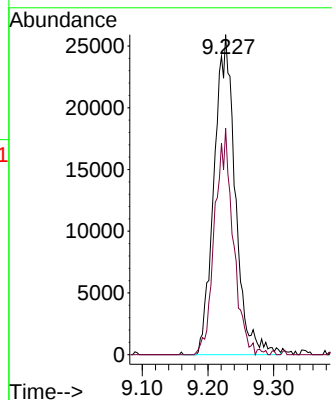
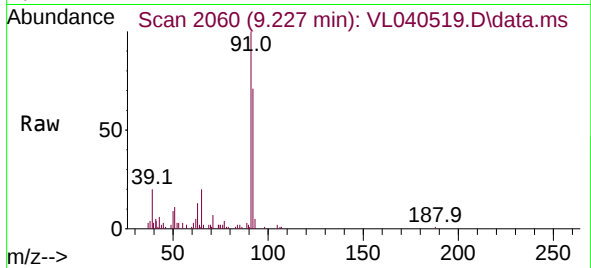
#53
Toluene
Concen: 0.296 ppbv m
RT: 9.227 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 5822
Ion Ratio Lower Upper
91 100
92 0.0 49.1 73.7

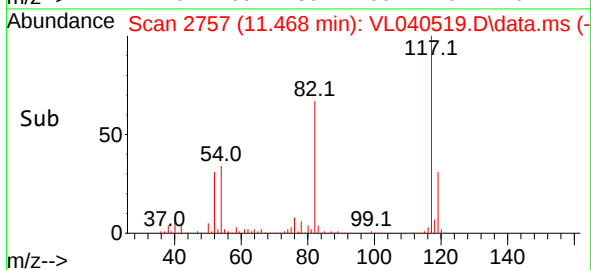
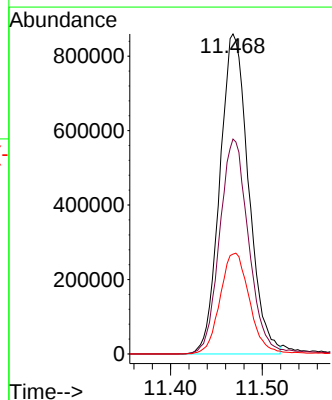
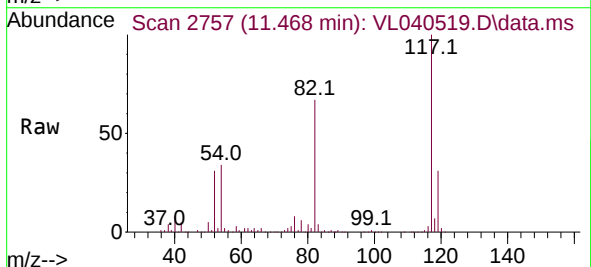
Manual Integrations
APPROVED

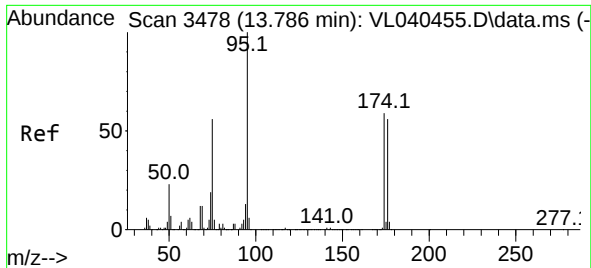
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. -0.010 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

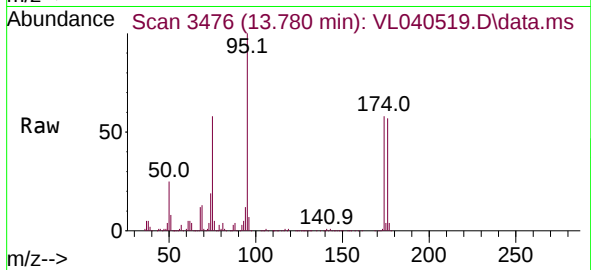
Tgt Ion:117 Resp: 1865520
Ion Ratio Lower Upper
117 100
82 68.8 50.2 75.4
119 32.9 26.9 40.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.153 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.003 min
Lab File: VL040519.D
Acq: 10 Jul 2023 23:18

Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 95 Resp: 1499017
Ion Ratio Lower Upper
95 100
174 59.8 50.6 75.8
175 4.4 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

