

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040492.D
 Acq On : 22 Jun 2023 19:25
 Operator : SY/MD
 Sample : 03300-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/26/2023
 Supervised By : Mahesh Dadoda 06/27/2023

Quant Time: Jun 23 01:32:01 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

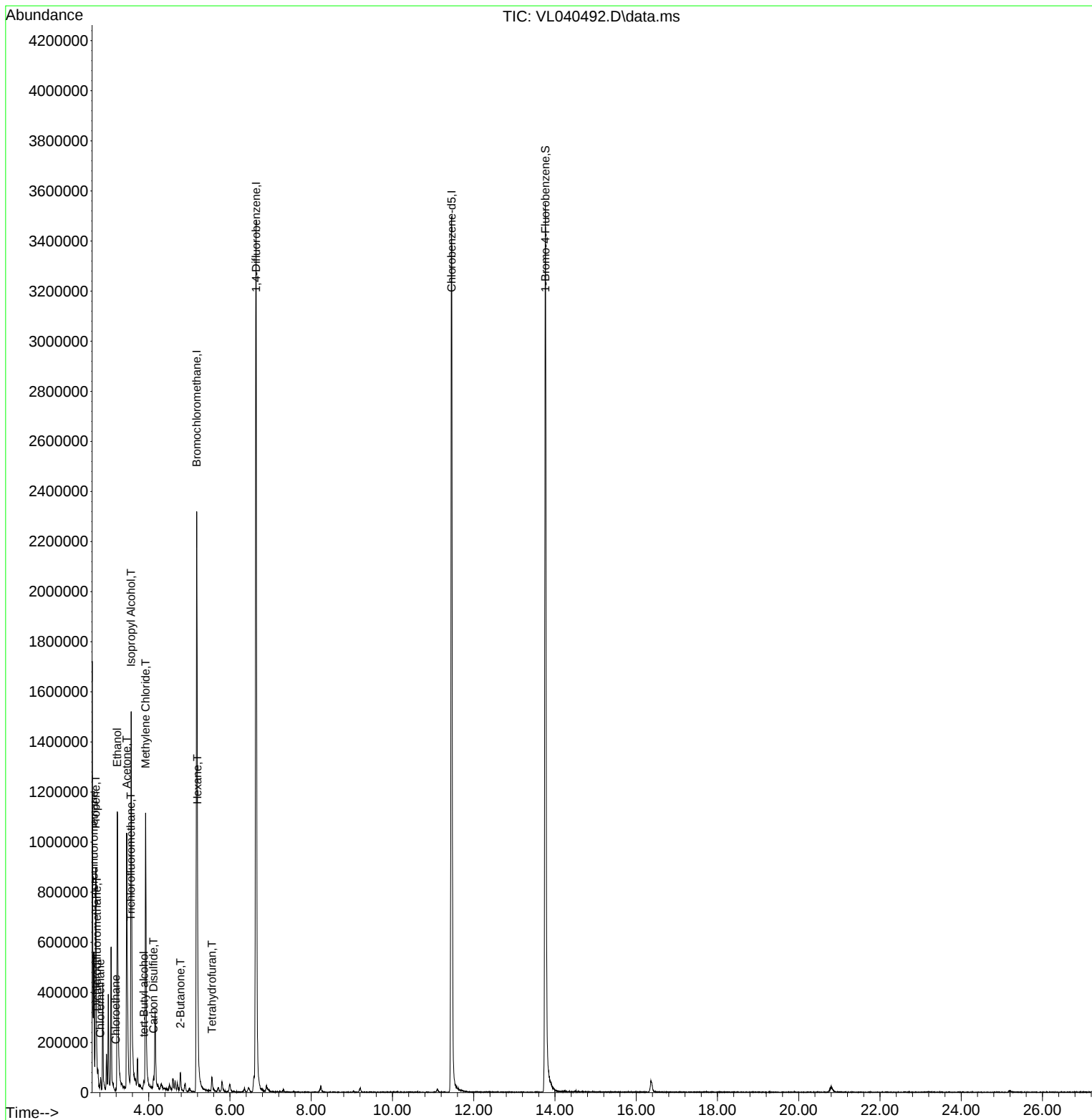
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

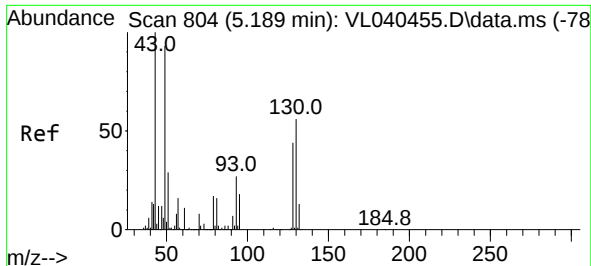
Internal Standards						
1) Bromochloromethane	5.182	49	1017665	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2512305	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.455	117	2158082	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1730135	9.714	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	32481	0.147	ppbv	99
3) Chlorodifluoromethane	2.649	51	195700m	1.174	ppbv	
4) Chloromethane	2.809	50	7626	0.118	ppbv #	81
7) Chloroethane	3.189	64	4647m	0.193	ppbv	
9) Propene	2.697	41	273154	5.314	ppbv	86
11) Trichlorofluoromethane	3.555	101	17648	0.098	ppbv	89
13) Ethanol	3.227	45	1101747	103.510	ppbv	98
15) Acetone	3.459	43	1029973	8.391	ppbv	96
17) tert-Butyl alcohol	3.880	59	23728m	0.235	ppbv	
19) Isopropyl Alcohol	3.568	45	1525758	25.790	ppbv #	96
20) Methylene Chloride	3.925	84	357048	6.816	ppbv	96
26) Hexane	5.202	57	117940	1.120	ppbv #	44
27) Carbon Disulfide	4.118	76	45655	0.347	ppbv #	62
34) 2-Butanone	4.780	43	76159	0.629	ppbv	94
41) Tetrahydrofuran	5.558	42	25632	0.387	ppbv	98

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

Manual Integrations

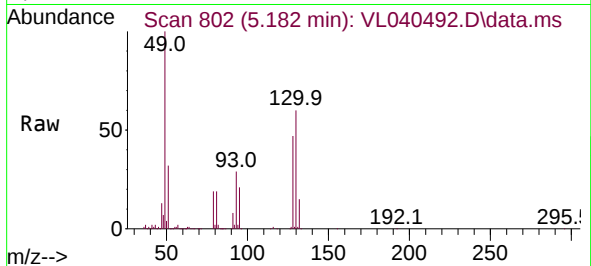
Quant Time: Jun 23 01:32:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

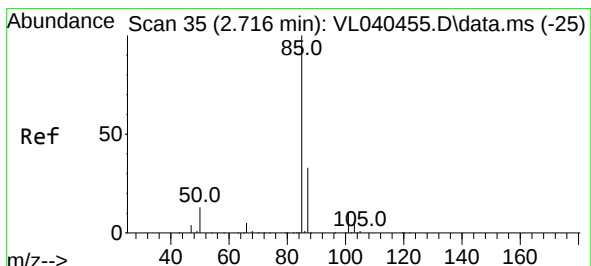
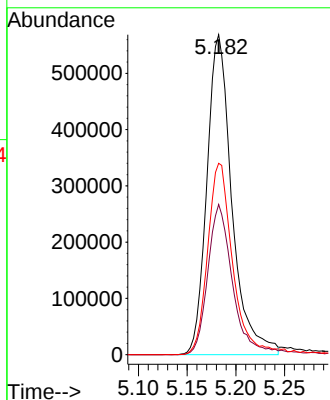
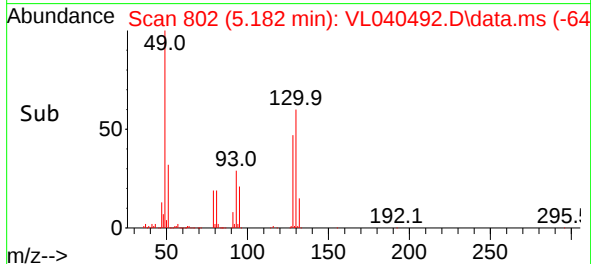
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 49 Resp: 101766
Ion Ratio Lower Upper
49 100
128 48.0 24.7 74.1
130 61.0 31.4 94.2

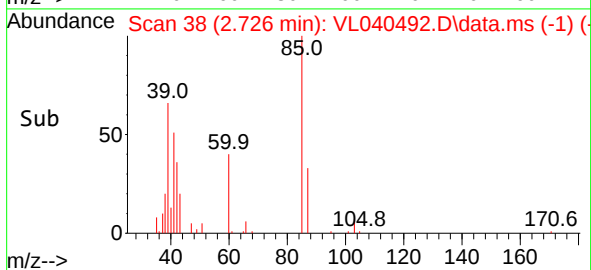
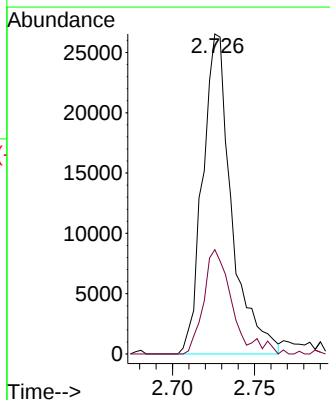
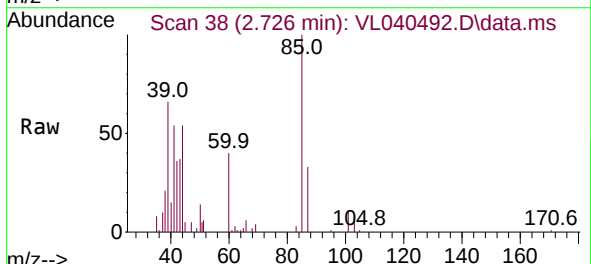
Manual Integrations
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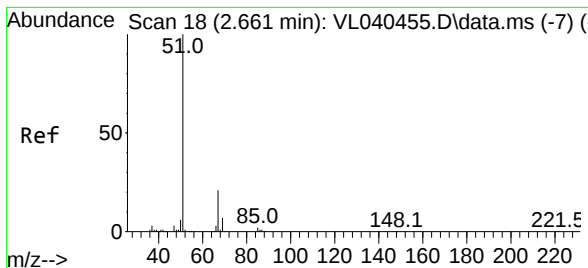
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#2
Dichlorodifluoromethane
Concen: 0.147 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

Tgt Ion: 85 Resp: 32481
Ion Ratio Lower Upper
85 100
87 32.6 26.6 39.8





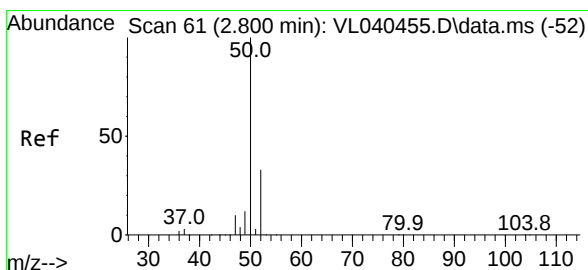
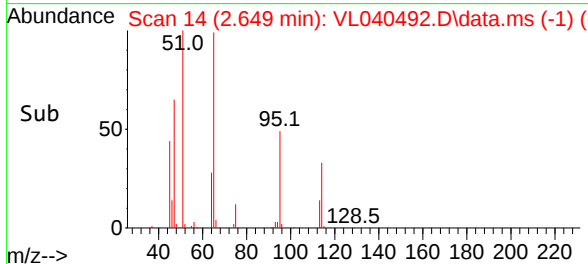
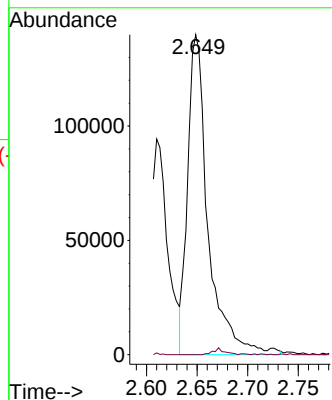
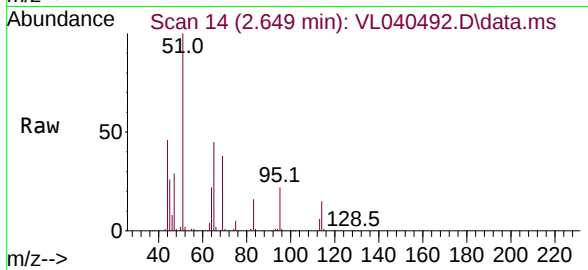
#3
Chlorodifluoromethane
Concen: 1.174 ppbv m
RT: 2.649 min Scan# 14
Delta R.T. -0.013 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 51 Resp: 195700
Ion Ratio Lower Upper
51 100
67 1.2 16.3 24.5

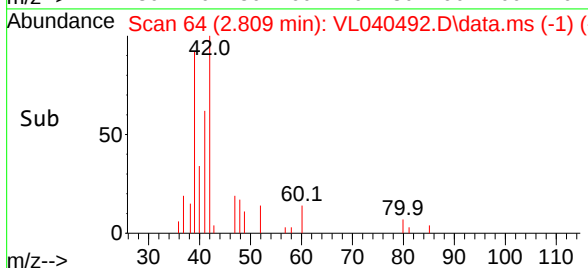
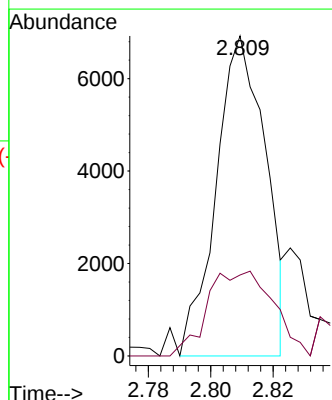
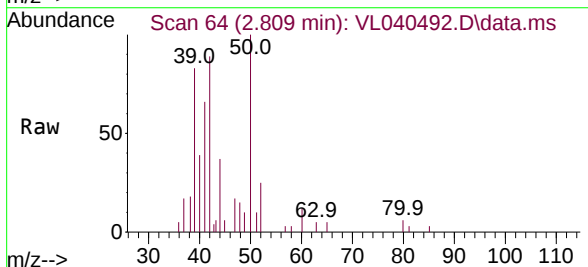
Manual Integrations
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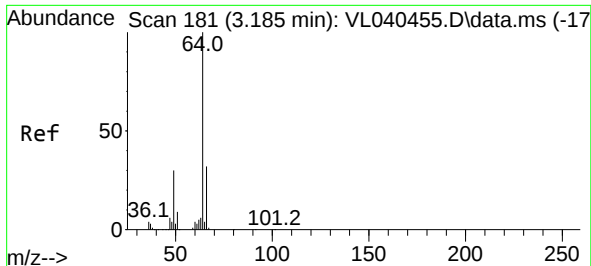
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#4
Chloromethane
Concen: 0.118 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.010 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

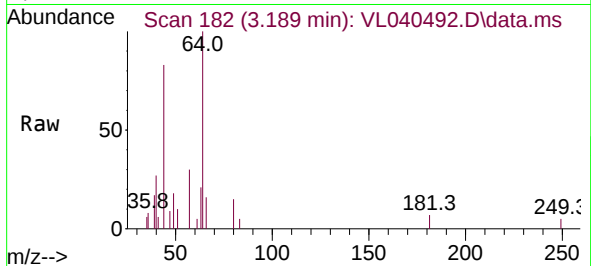
Tgt Ion: 50 Resp: 7626
Ion Ratio Lower Upper
50 100
52 22.1 26.3 39.5





#7
Chloroethane
Concen: 0.193 ppbv m
RT: 3.189 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

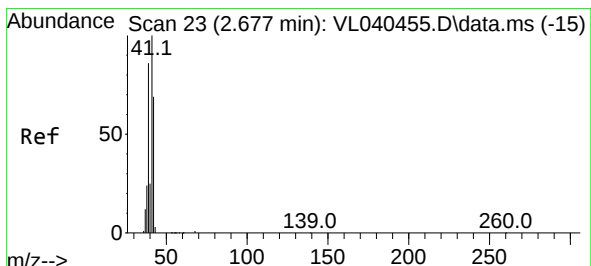
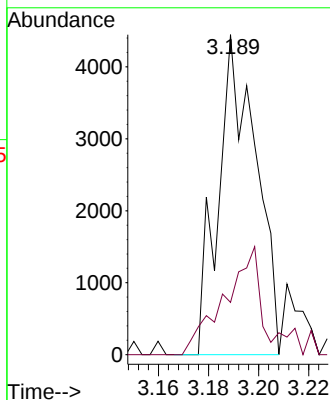
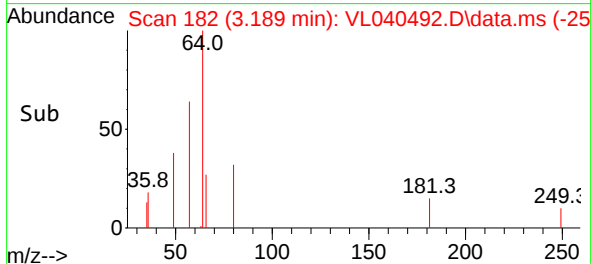
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 64 Resp: 464
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4

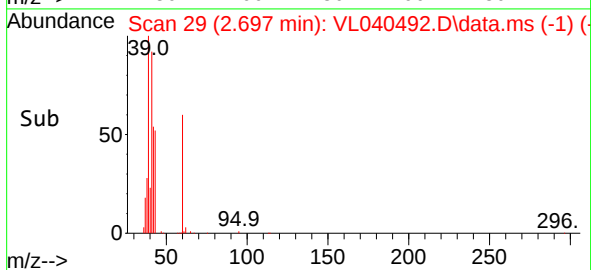
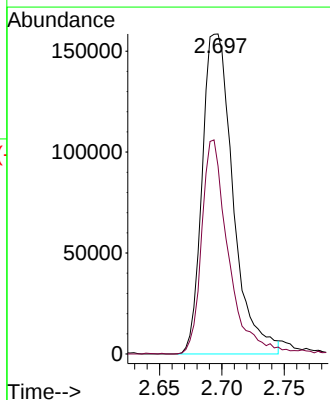
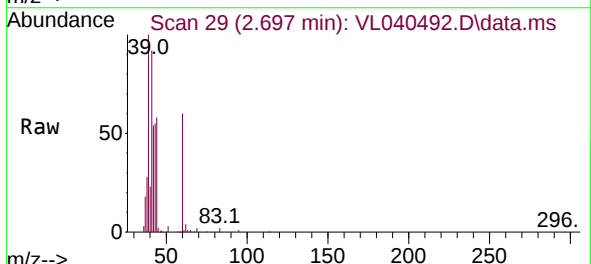
Manual Integrations
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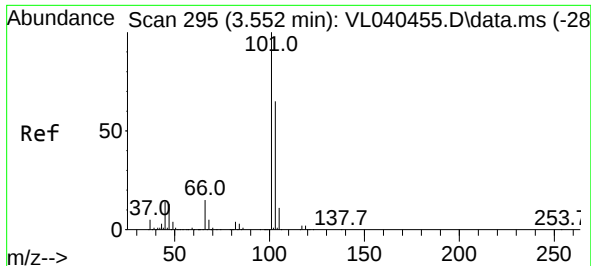
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#9
Propene
Concen: 5.314 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.019 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

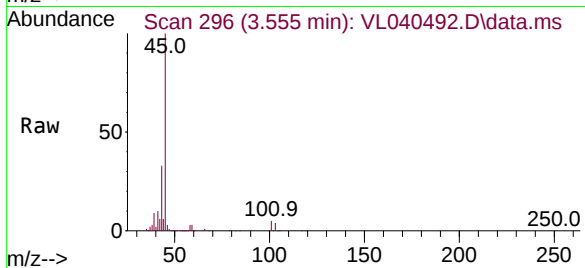
Tgt Ion: 41 Resp: 273154
Ion Ratio Lower Upper
41 100
42 58.8 56.2 84.2





#11
Trichlorofluoromethane
Concen: 0.098 ppbv
RT: 3.555 min Scan# 295
Delta R.T. 0.003 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

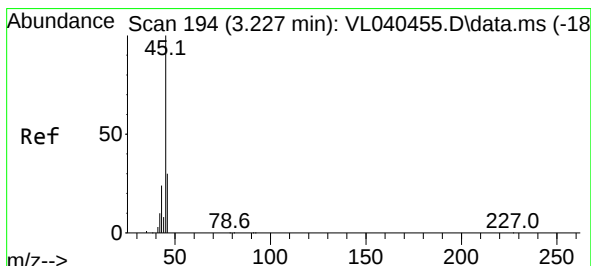
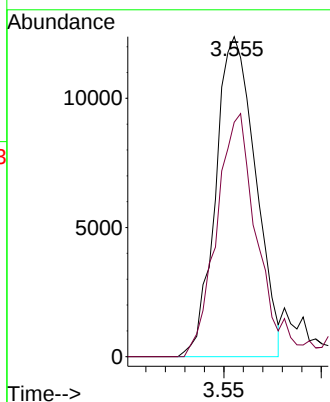
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion:101 Resp: 17648
Ion Ratio Lower Upper
101 100
103 73.2 51.7 77.5

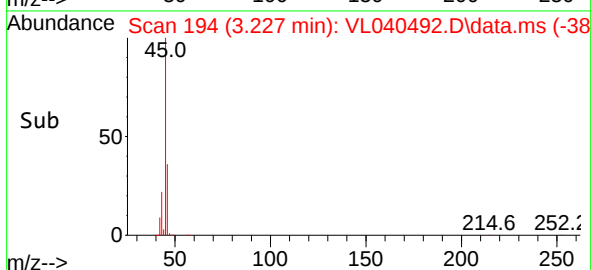
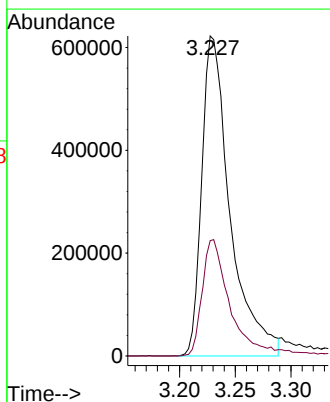
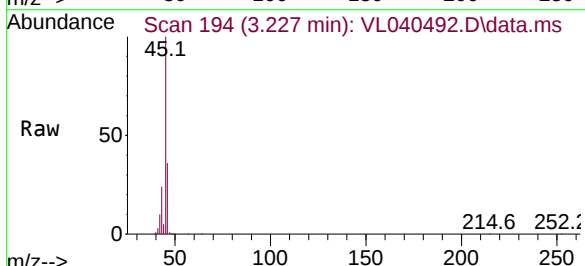
Manual Integrations
APPROVED

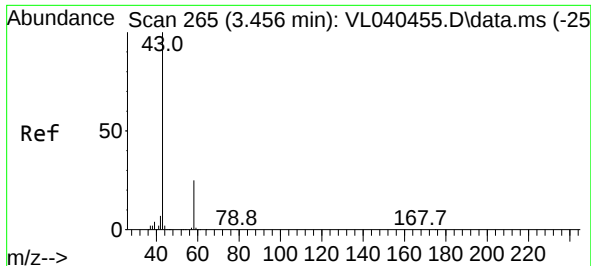
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#13
Ethanol
Concen: 103.510 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

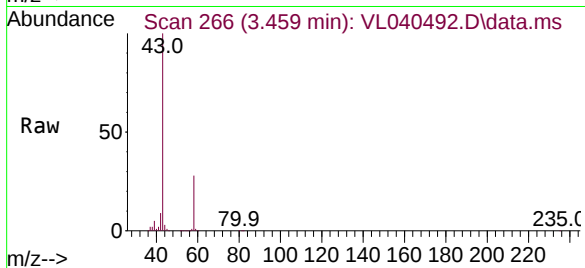
Tgt Ion: 45 Resp: 1101747
Ion Ratio Lower Upper
45 100
46 37.3 14.5 58.1





#15
Acetone
Concen: 8.391 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

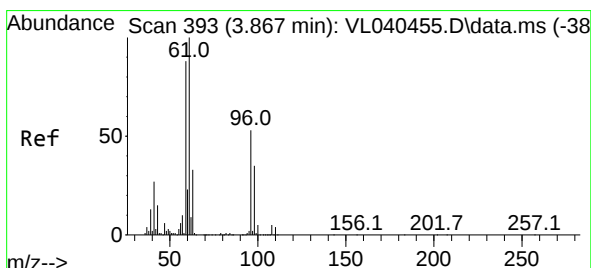
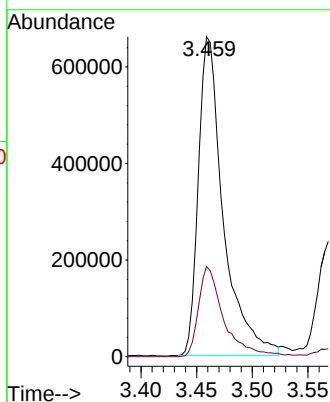
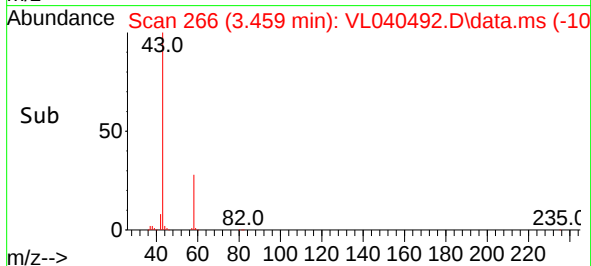
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 43 Resp: 102997
Ion Ratio Lower Upper
43 100
58 28.8 21.6 32.4

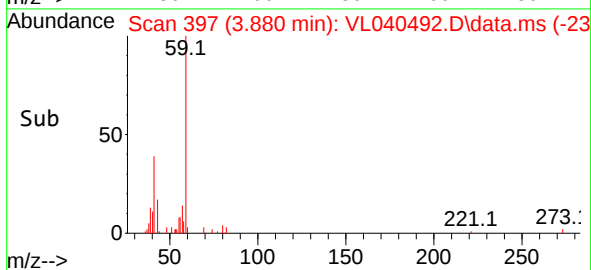
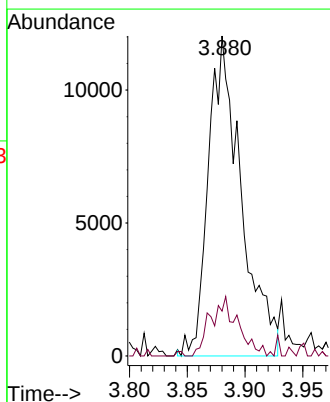
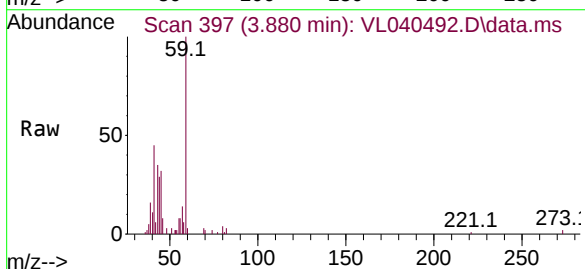
Manual Integrations
APPROVED

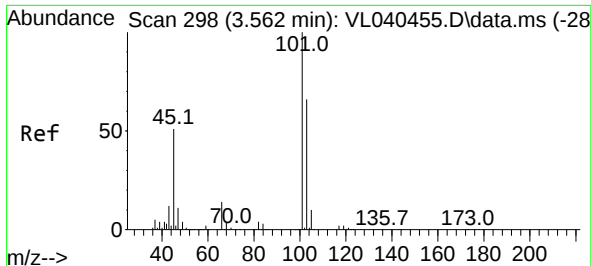
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#17
tert-Butyl alcohol
Concen: 0.235 ppbv m
RT: 3.880 min Scan# 397
Delta R.T. 0.013 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

Tgt Ion: 59 Resp: 23728
Ion Ratio Lower Upper
59 100
57 23.0 8.8 13.2#





#19

Isopropyl Alcohol

Concen: 25.790 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.007 min

Lab File: VL040492.D

Acq: 22 Jun 2023 19:25

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tgt Ion: 45 Resp: 152575

Ion Ratio Lower Upper

45 100

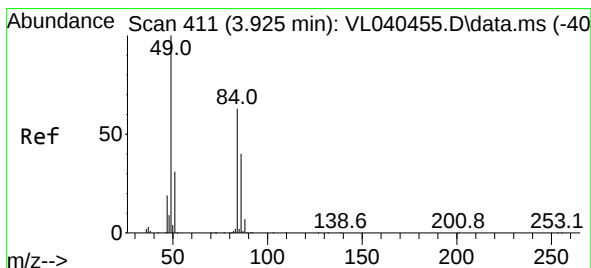
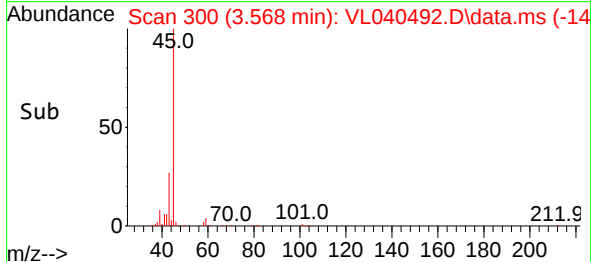
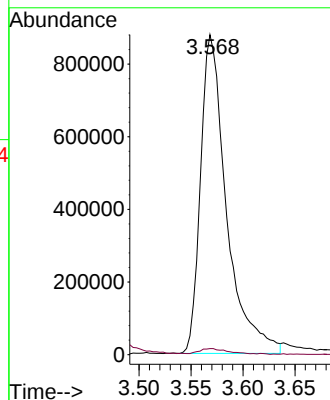
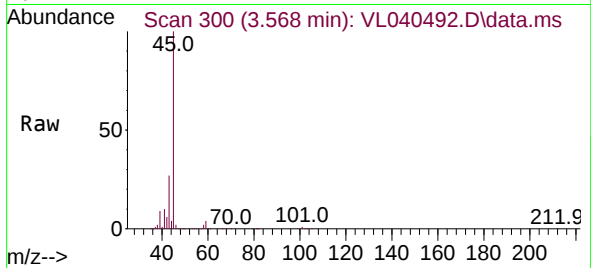
58 2.0 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2023

Supervised By :Mahesh Dadoda 06/27/2023



#20

Methylene Chloride

Concen: 6.816 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.000 min

Lab File: VL040492.D

Acq: 22 Jun 2023 19:25

Tgt Ion: 84 Resp: 357048

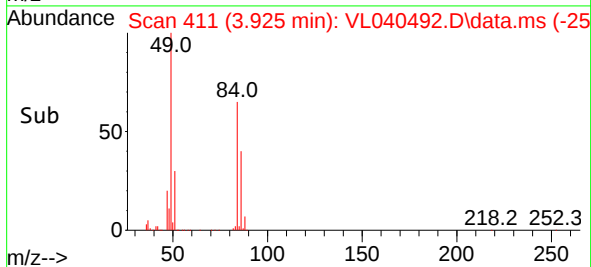
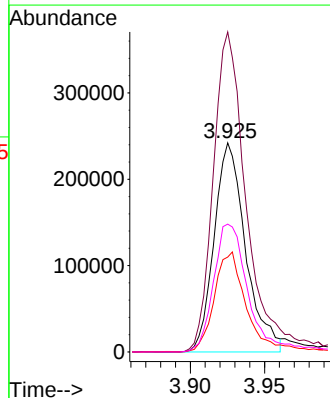
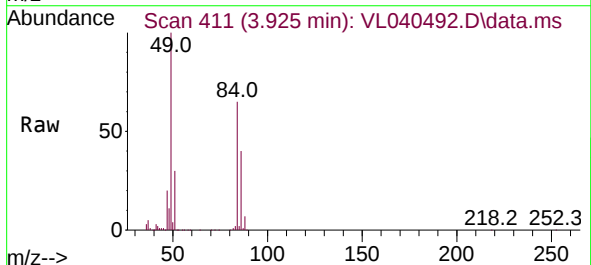
Ion Ratio Lower Upper

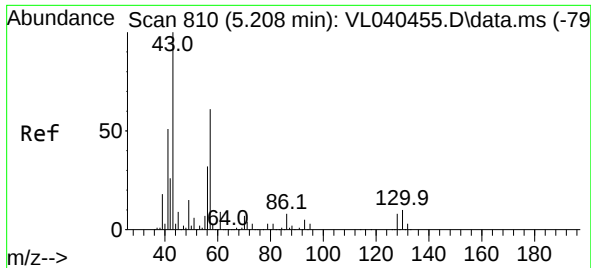
84 100

49 153.0 126.2 189.2

51 45.3 38.7 58.1

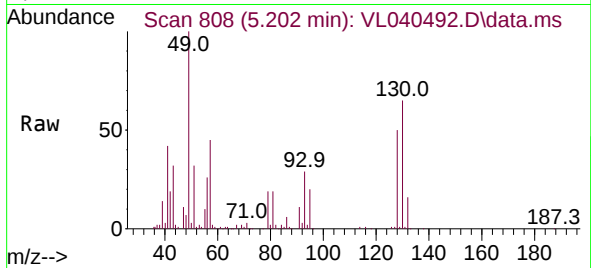
86 61.1 50.6 75.8





#26
Hexane
Concen: 1.120 ppbv
RT: 5.202 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

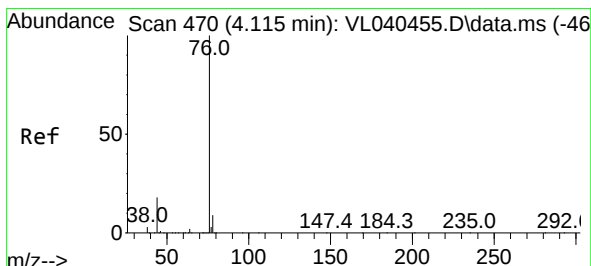
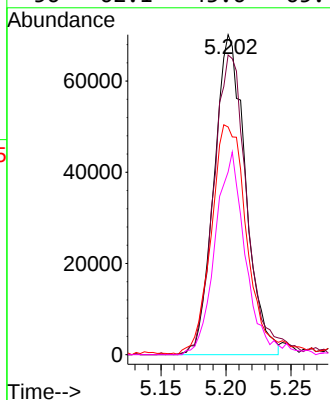
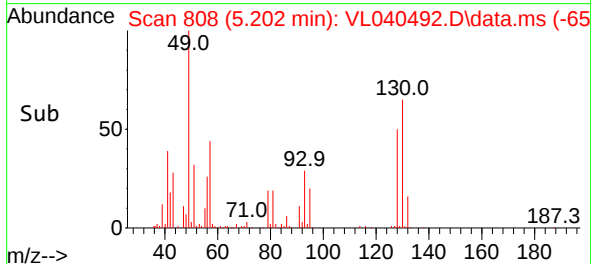
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 57 Resp: 117940
Ion Ratio Lower Upper
57 100
41 101.3 73.0 109.6
43 84.2 177.5 266.3
56 62.1 43.6 65.4

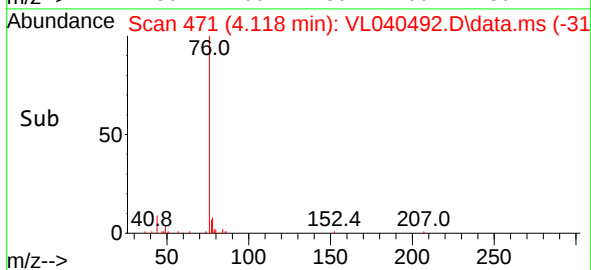
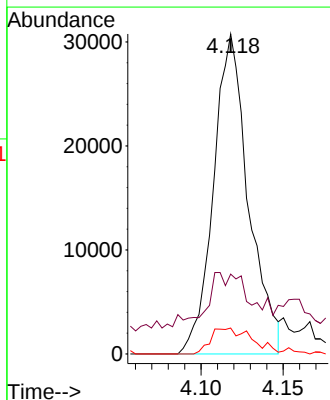
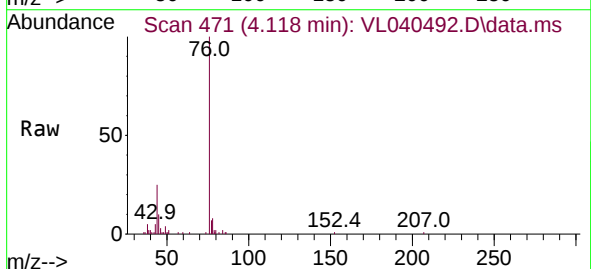
Manual Integrations
APPROVED

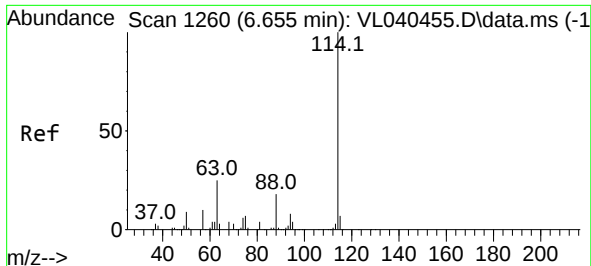
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#27
Carbon Disulfide
Concen: 0.347 ppbv
RT: 4.118 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

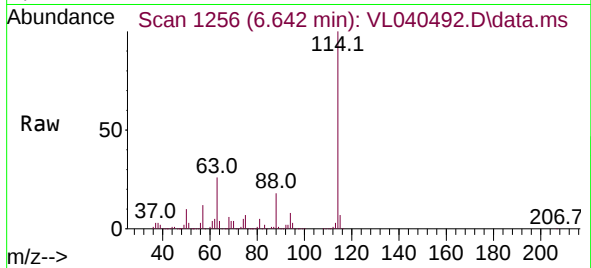
Tgt Ion: 76 Resp: 45655
Ion Ratio Lower Upper
76 100
44 43.4 14.6 22.0
78 10.4 7.6 11.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

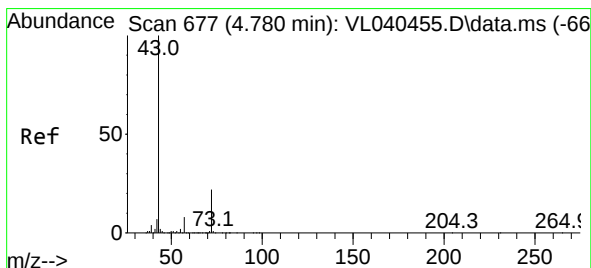
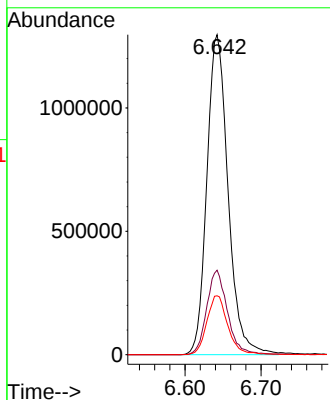
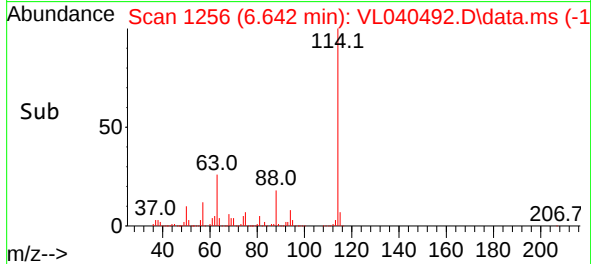
Instrument :
MSVOA_L
ClientSampleId :
SV-3



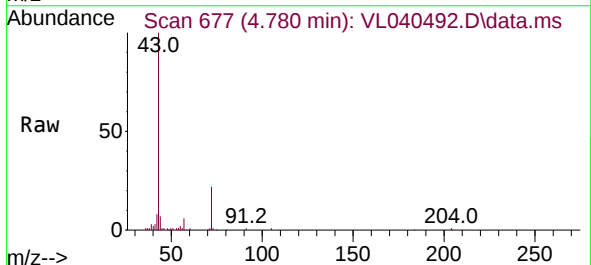
Tgt Ion:114 Resp: 251230
Ion Ratio Lower Upper
114 100
63 26.0 21.0 31.6
88 18.3 14.5 21.7

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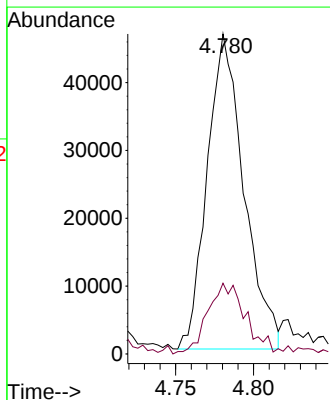
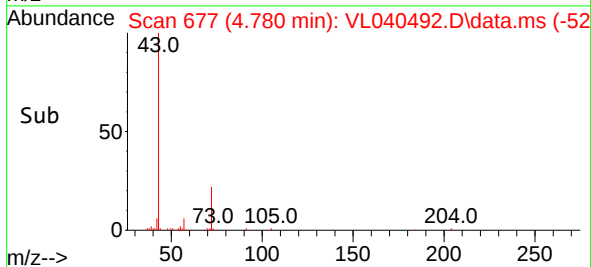
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023

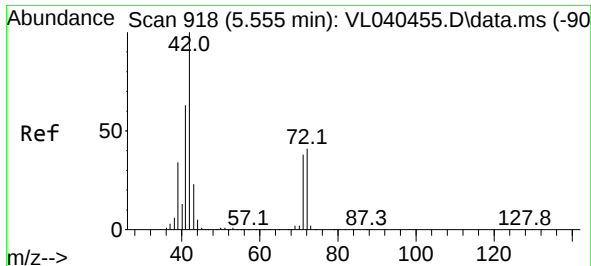


#34
2-Butanone
Concen: 0.629 ppbv
RT: 4.780 min Scan# 677
Delta R.T. 0.000 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25



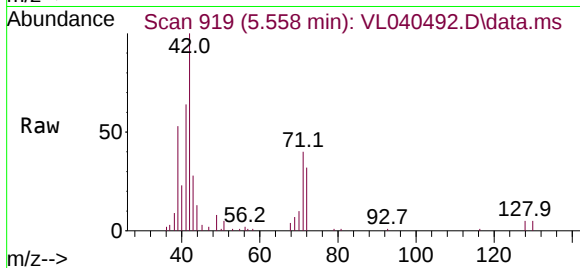
Tgt Ion: 43 Resp: 76159
Ion Ratio Lower Upper
43 100
72 25.5 18.1 27.1





#41
Tetrahydrofuran
Concen: 0.387 ppbv
RT: 5.558 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

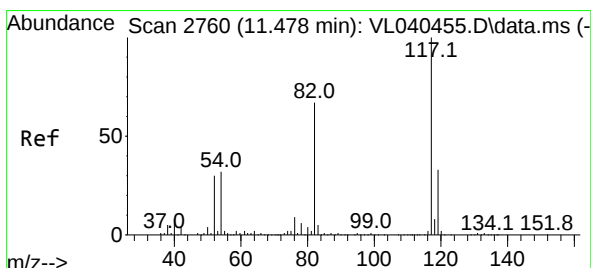
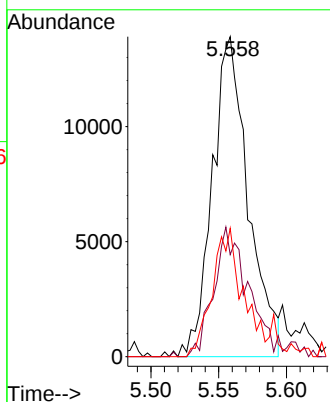
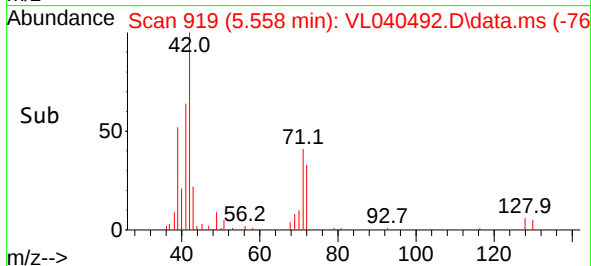
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 42 Resp: 2563
Ion Ratio Lower Upper
42 100
72 41.1 33.8 50.8
71 38.9 32.3 48.5

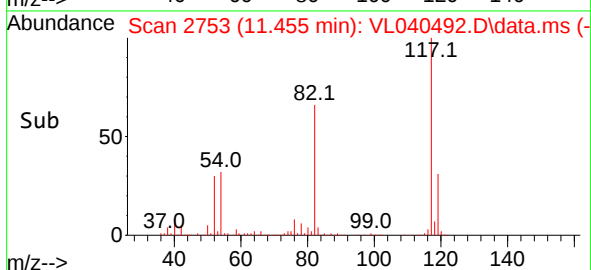
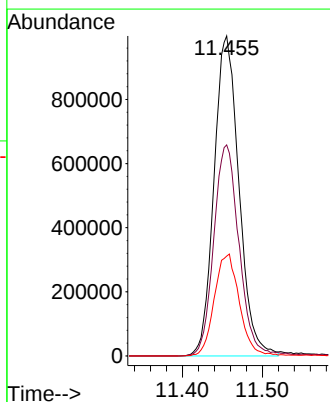
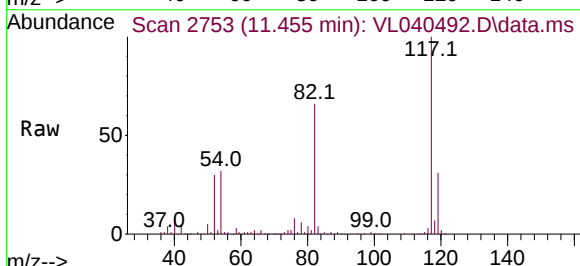
Manual Integrations
APPROVED

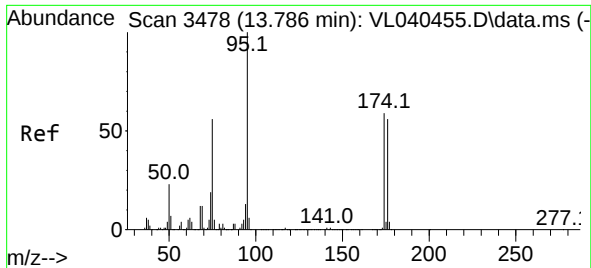
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.022 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

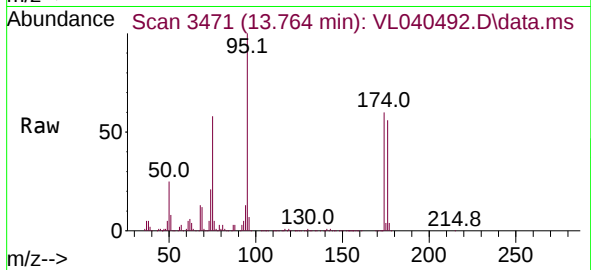
Tgt Ion:117 Resp: 2158082
Ion Ratio Lower Upper
117 100
82 68.0 53.0 79.4
119 32.1 24.4 36.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.714 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.022 min
Lab File: VL040492.D
Acq: 22 Jun 2023 19:25

Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 95 Resp: 1730135
Ion Ratio Lower Upper
95 100
174 60.1 47.7 71.5
175 4.1 3.5 5.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023

