

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
 Data File : VL040058.D
 Acq On : 20 Dec 2022 16:00
 Operator : SY/MD
 Sample : N6085-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 03:56:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug :
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.163	49	865020	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.623	114	2369175	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.439	117	2030285	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1550993	10.001	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.703	85	36043	0.223	ppbv	98
3) Chlorodifluoromethane	2.652	51	31363m	0.246	ppbv	
4) Chloromethane	2.790	50	30794	0.385	ppbv	96
9) Propene	2.684	41	52151m	0.963	ppbv	
11) Trichlorofluoromethane	3.539	101	33757	0.192	ppbv	96
13) Ethanol	3.211	45	2854617	559.985	ppbv	97
15) Acetone	3.443	43	424440m	3.172	ppbv	
19) Isopropyl Alcohol	3.559	45	222586	3.375	ppbv #	92
20) Methylene Chloride	3.909	84	397340	6.986	ppbv	97
26) Hexane	5.189	57	235715	2.420	ppbv #	37
34) 2-Butanone	4.768	43	28655m	0.223	ppbv	
35) Carbon Tetrachloride	6.462	117	8376m	0.057	ppbv	
36) Benzene	6.340	78	31349	0.148	ppbv #	92
53) Toluene	9.195	91	52698	0.225	ppbv	94

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

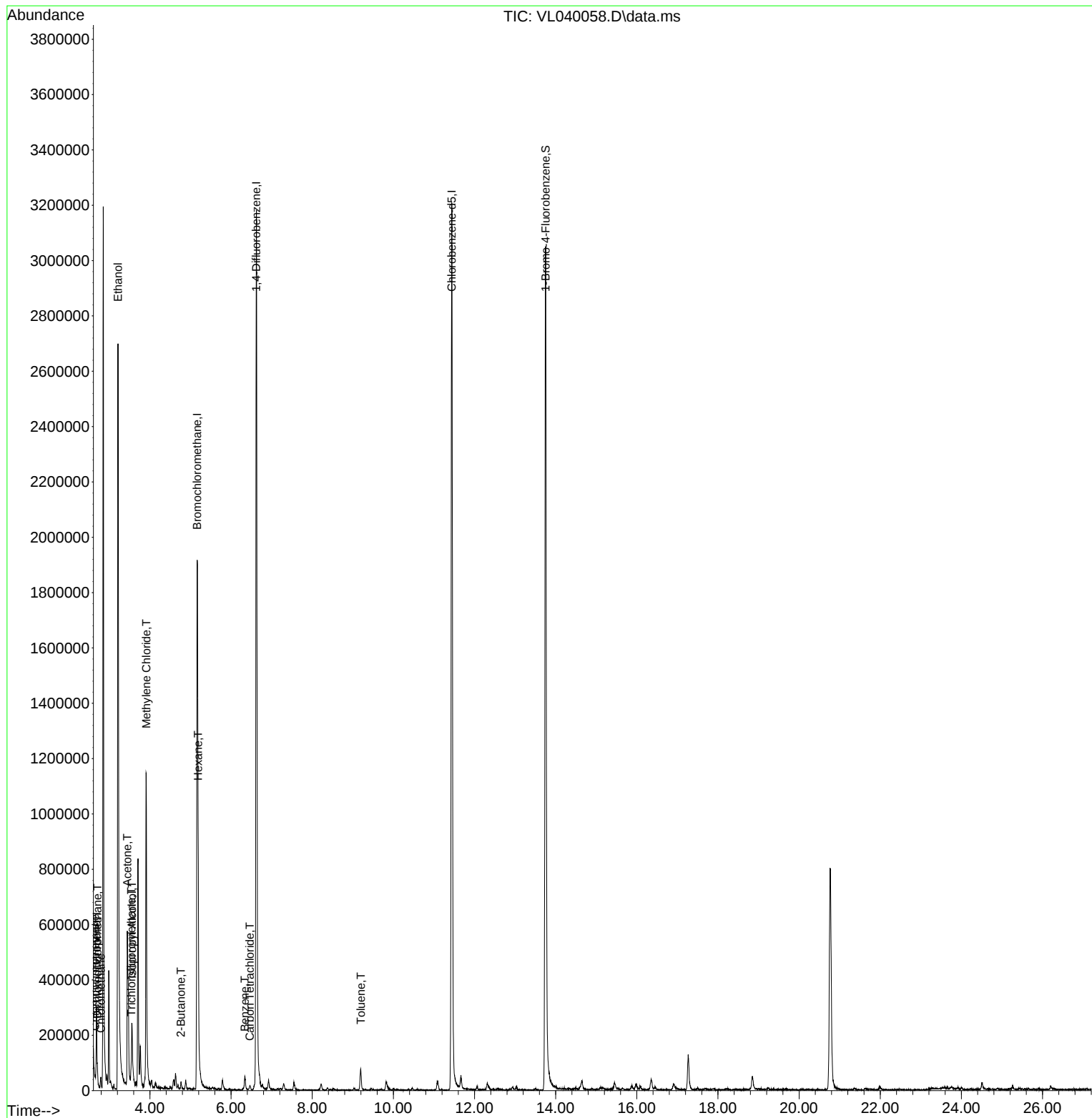
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
Data File : VL040058.D
Acq On : 20 Dec 2022 16:00
Operator : SY/MD
Sample : N6085-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

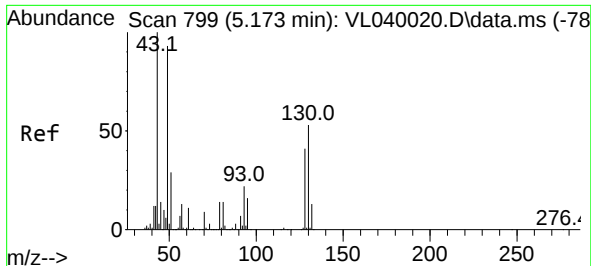
Instrument :
MSVOA_L
ClientSampleId :
IA-2

Quant Time: Dec 21 03:56:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

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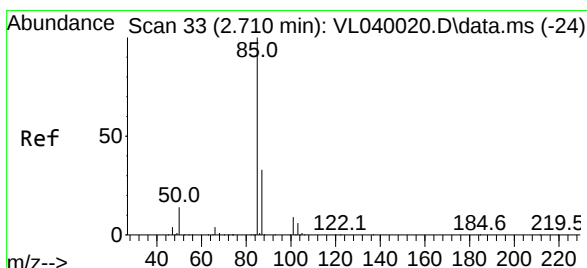
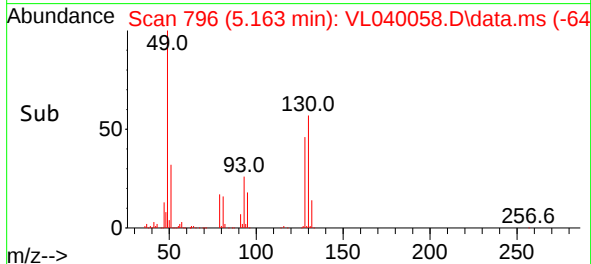
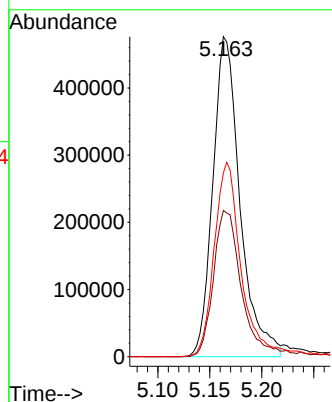
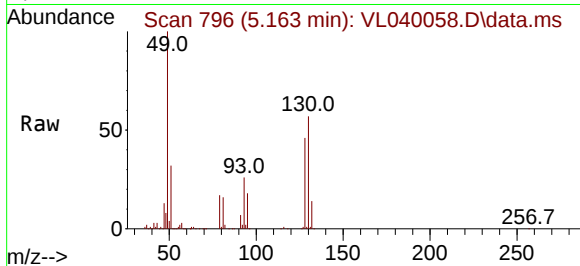
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.163 min Scan# 799
Delta R.T. -0.010 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 49 Resp: 865020
Ion Ratio Lower Upper
49 100
128 49.2 22.4 67.3
130 61.8 28.9 86.8

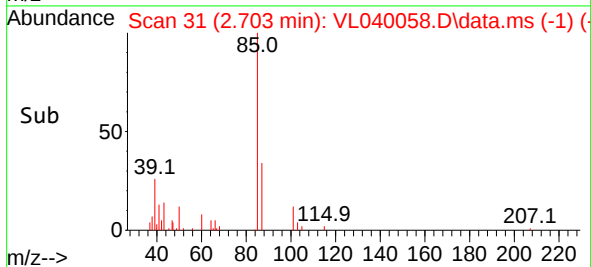
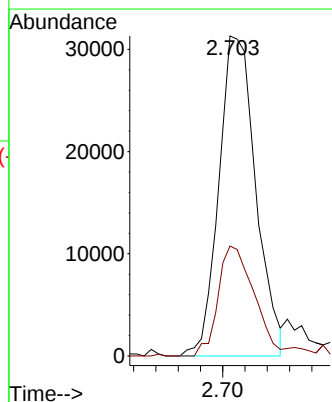
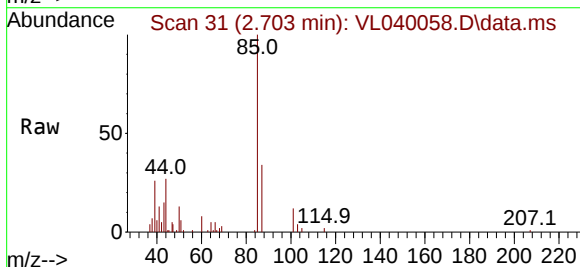
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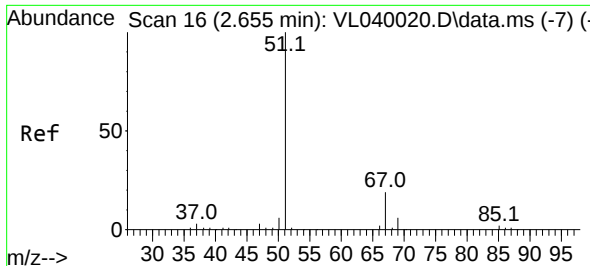
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#2
Dichlorodifluoromethane
Concen: 0.223 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

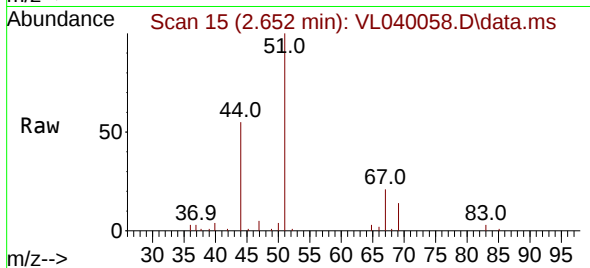
Tgt Ion: 85 Resp: 36043
Ion Ratio Lower Upper
85 100
87 34.3 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.246 ppbv
RT: 2.652 min Scan# 15
Delta R.T. -0.003 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

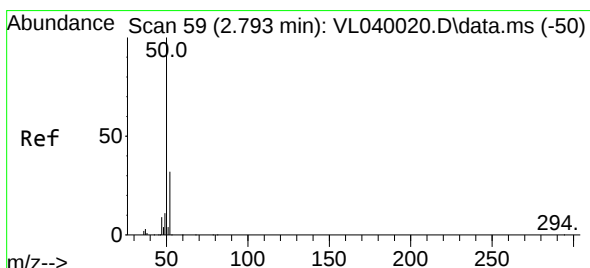
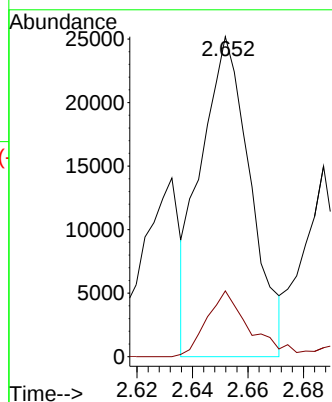
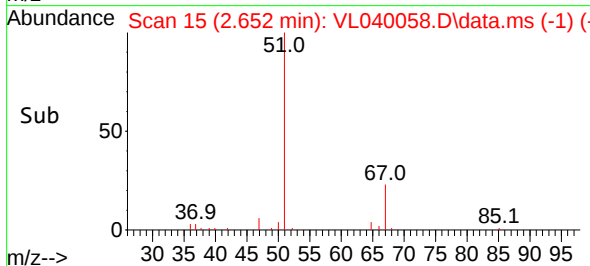
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 51 Resp: 3136
Ion Ratio Lower Upper
51 100
67 20.7 15.3 22.9

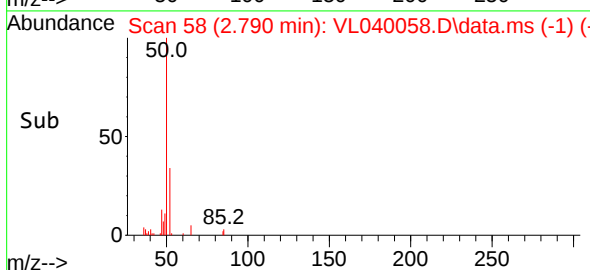
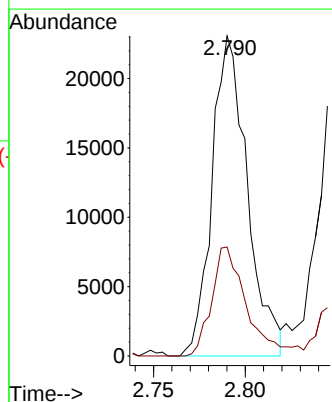
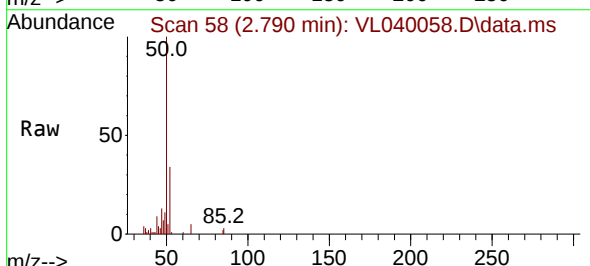
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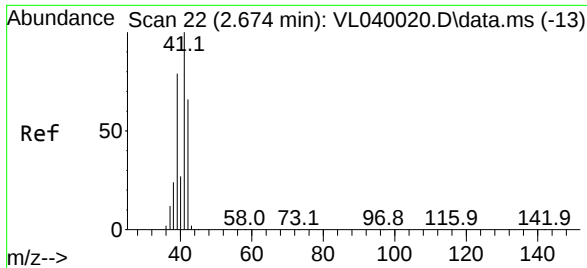
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#4
Chloromethane
Concen: 0.385 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.003 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

Tgt Ion: 50 Resp: 30794
Ion Ratio Lower Upper
50 100
52 34.0 25.5 38.3





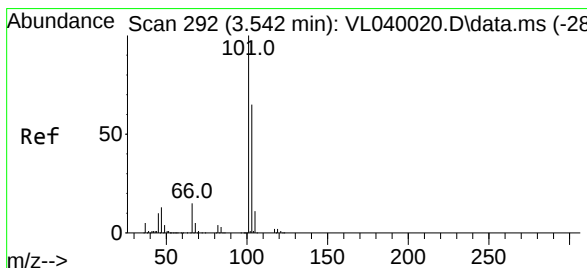
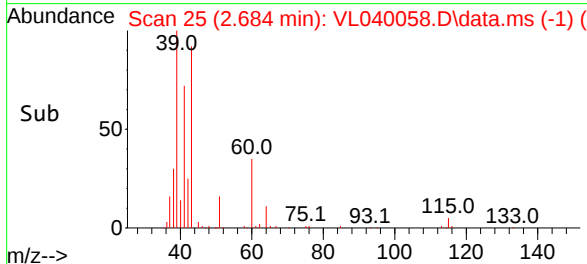
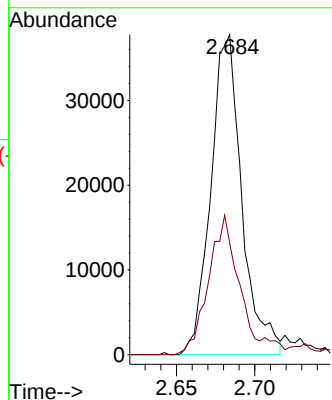
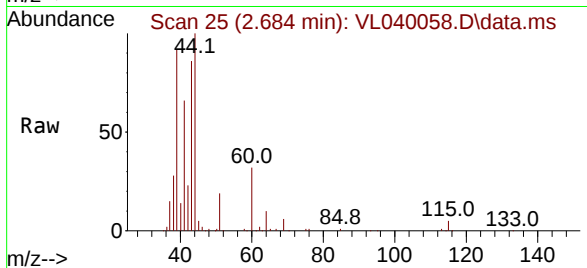
#9
 Propene
 Concen: 0.963 ppbv m
 RT: 2.684 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VL040058.D
 Acq: 20 Dec 2022 16:00

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Tgt Ion: 41 Resp: 5215
 Ion Ratio Lower Upper
 41 100
 42 1109.1 54.8 82.2

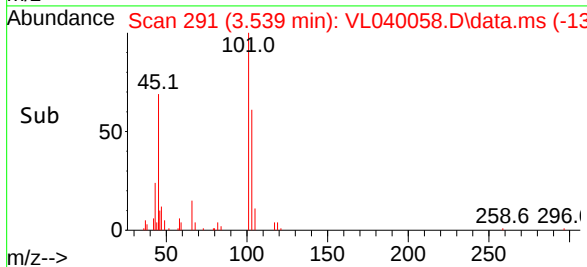
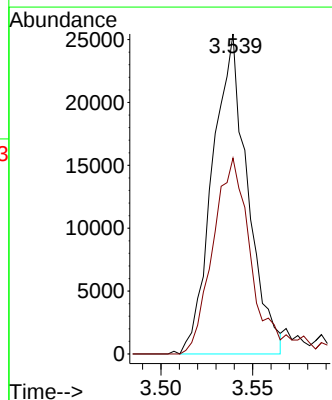
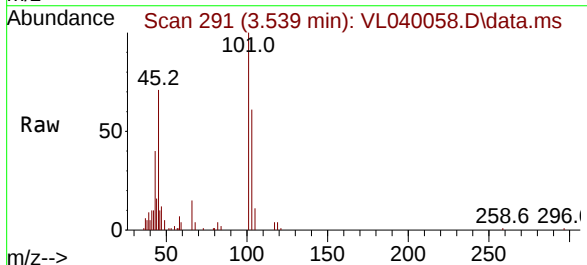
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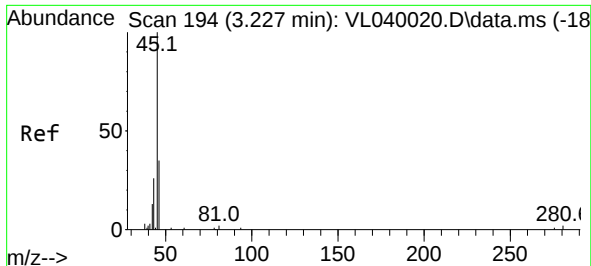
Reviewed By :Semsettin Yesilyurt 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022



#11
 Trichlorofluoromethane
 Concen: 0.192 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. -0.003 min
 Lab File: VL040058.D
 Acq: 20 Dec 2022 16:00

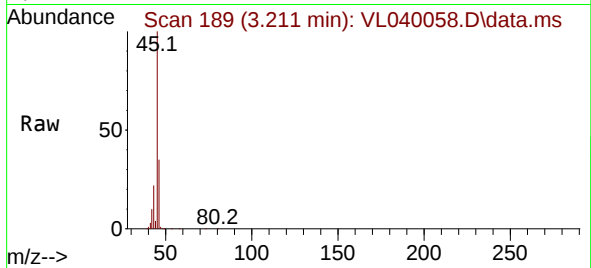
Tgt Ion:101 Resp: 33757
 Ion Ratio Lower Upper
 101 100
 103 61.2 51.7 77.5





#13
Ethanol
Concen: 559.985 ppbv
RT: 3.211 min Scan# 189
Delta R.T. -0.016 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

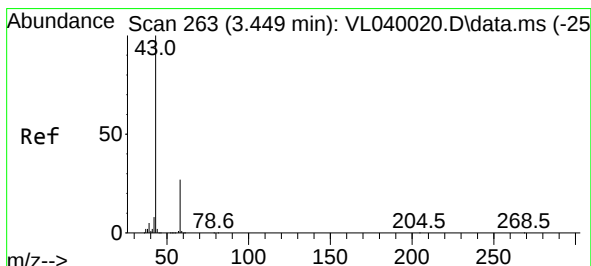
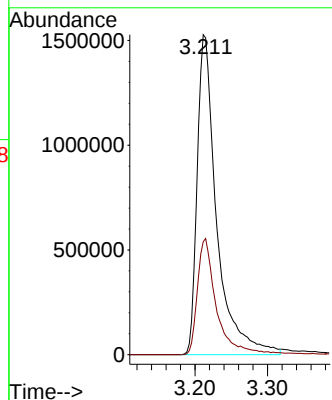
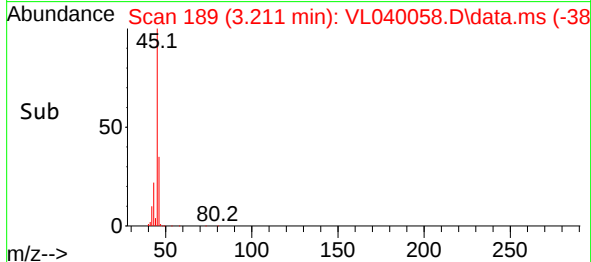
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 45 Resp: 285461
Ion Ratio Lower Upper
45 100
46 36.2 13.7 54.7

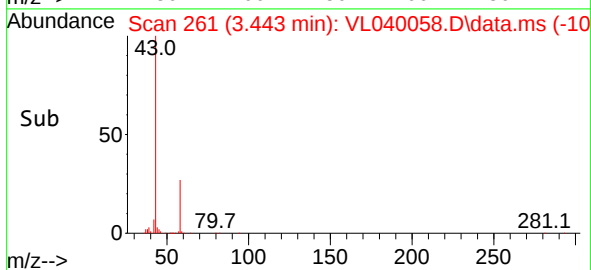
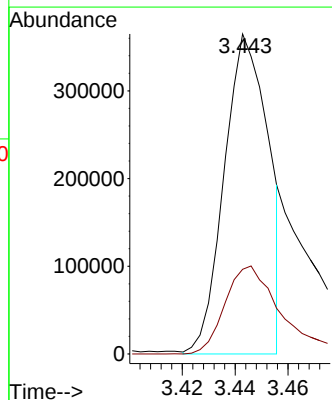
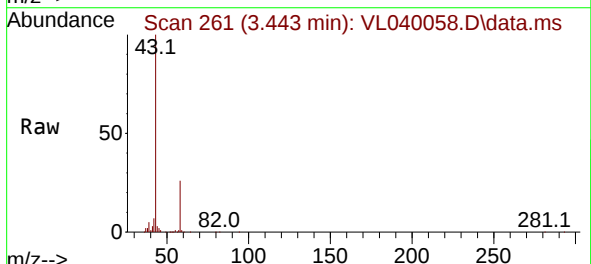
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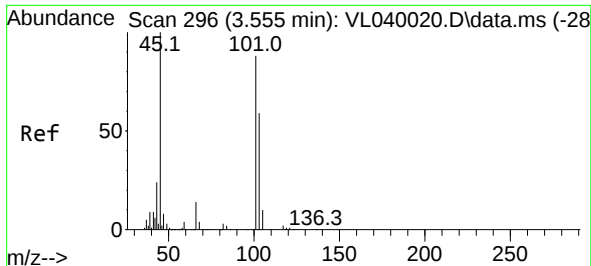
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#15
Acetone
Concen: 3.172 ppbv m
RT: 3.443 min Scan# 261
Delta R.T. -0.006 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

Tgt Ion: 43 Resp: 424440
Ion Ratio Lower Upper
43 100
58 37.2 21.8 32.8#





#19

Isopropyl Alcohol

Concen: 3.375 ppbv

RT: 3.559 min Scan# 296

Delta R.T. 0.003 min

Lab File: VL040058.D

Acq: 20 Dec 2022 16:00

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion: 45 Resp: 222580

Ion Ratio Lower Upper

45 100

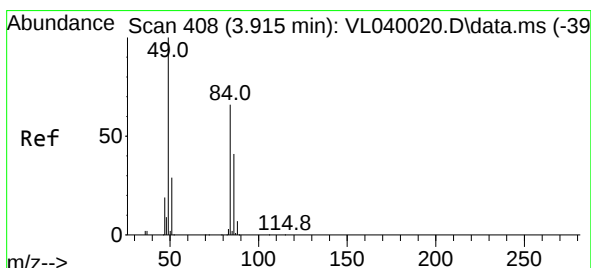
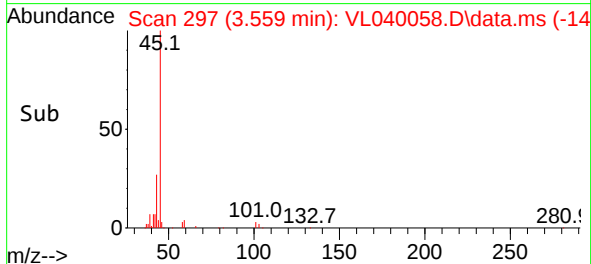
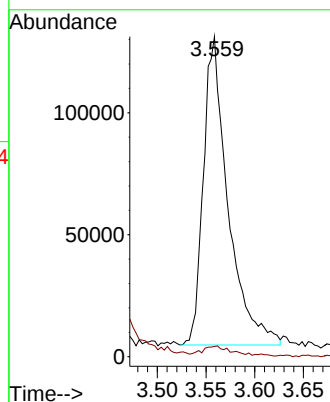
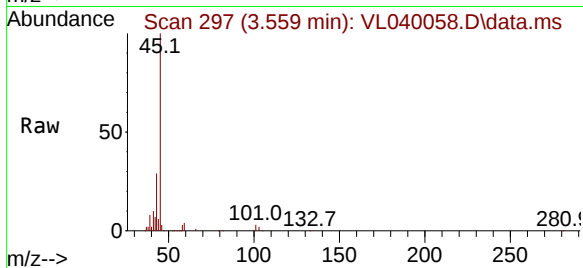
58 4.9 1.7 2.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/21/2022

Supervised By :Mahesh Dadoda 12/21/2022



#20

Methylene Chloride

Concen: 6.986 ppbv

RT: 3.909 min Scan# 406

Delta R.T. -0.006 min

Lab File: VL040058.D

Acq: 20 Dec 2022 16:00

Tgt Ion: 84 Resp: 397340

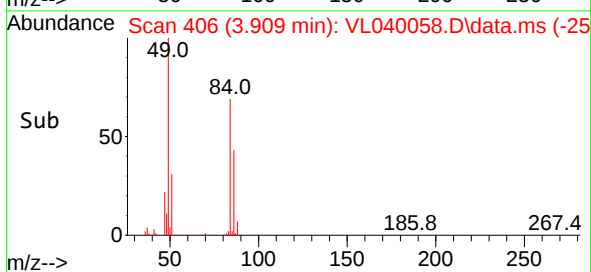
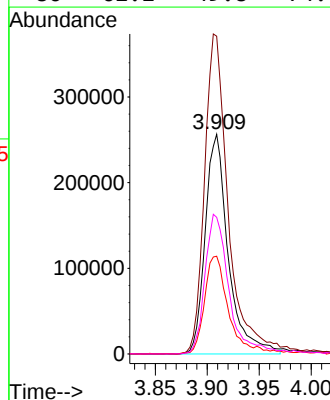
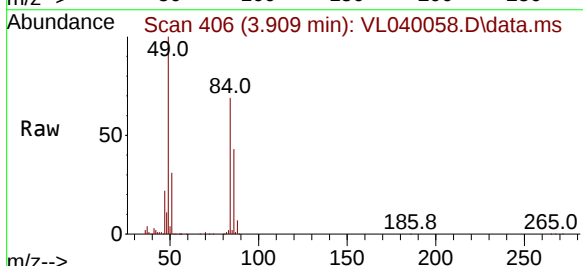
Ion Ratio Lower Upper

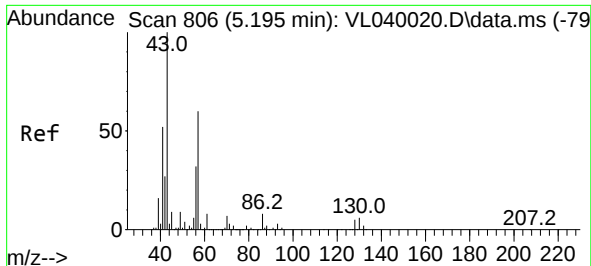
84 100

49 144.5 120.5 180.7

51 44.3 35.2 52.8

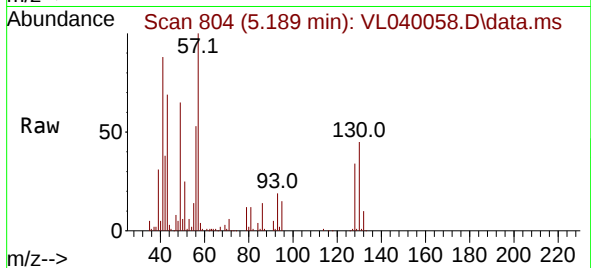
86 62.2 49.8 74.6





#26
Hexane
Concen: 2.420 ppbv
RT: 5.189 min Scan# 806
Delta R.T. -0.006 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

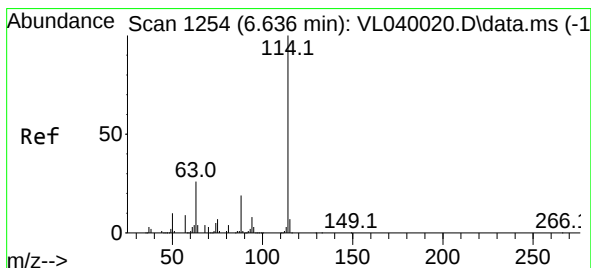
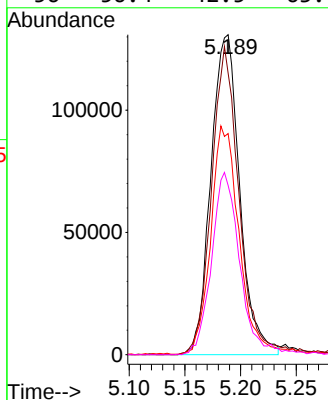
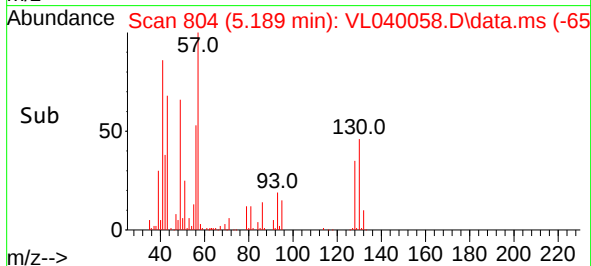
Instrument :
MSVOA_L
ClientSampleId :
IA-2



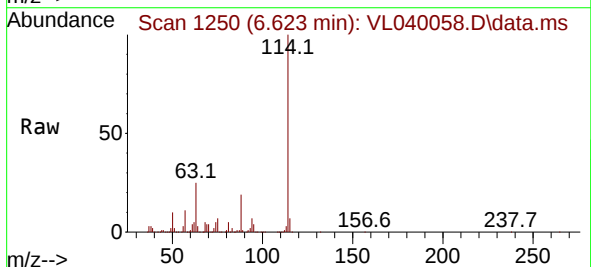
Tgt Ion: 57 Resp: 235715
Ion Ratio Lower Upper
57 100
41 93.3 72.1 108.1
43 72.6 192.1 288.1
56 56.4 42.5 63.7

Manual Integrations
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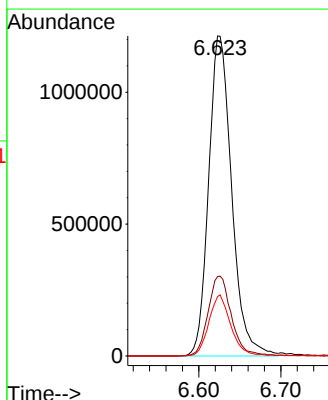
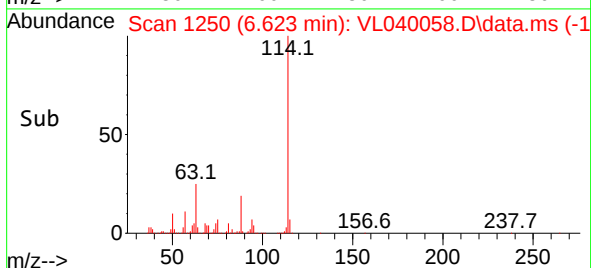
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022

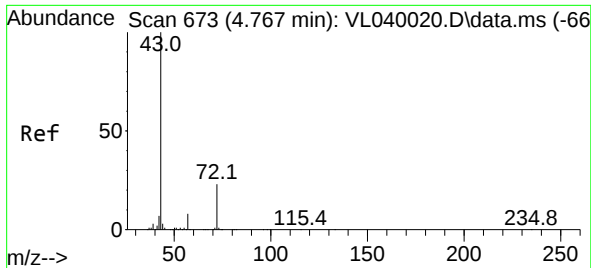


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.623 min Scan# 1250
Delta R.T. -0.013 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00



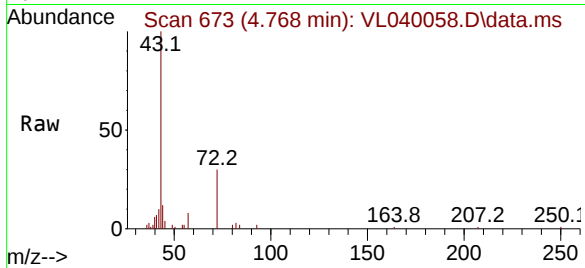
Tgt Ion:114 Resp: 2369175
Ion Ratio Lower Upper
114 100
63 25.3 20.2 30.2
88 18.3 14.6 21.8





#34
2-Butanone
Concen: 0.223 ppbv m
RT: 4.768 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

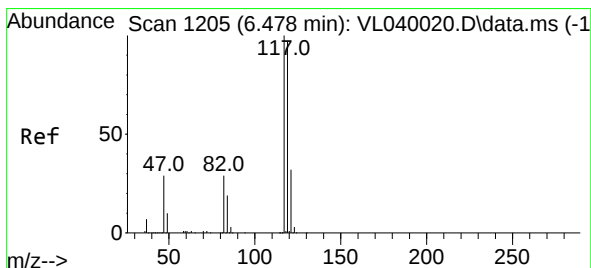
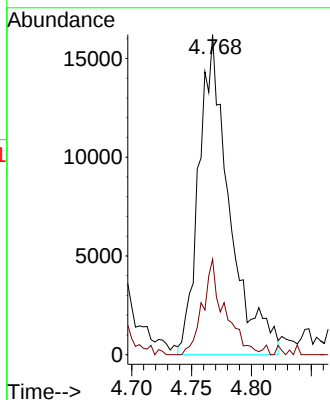
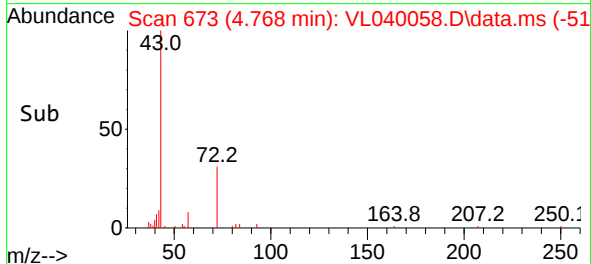
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 43 Resp: 2865
Ion Ratio Lower Upper
43 100
72 22.0 18.0 27.0

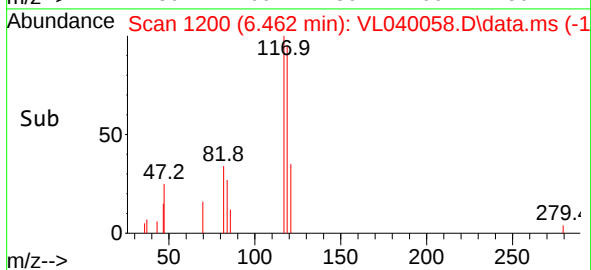
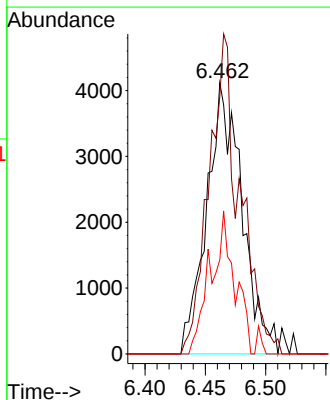
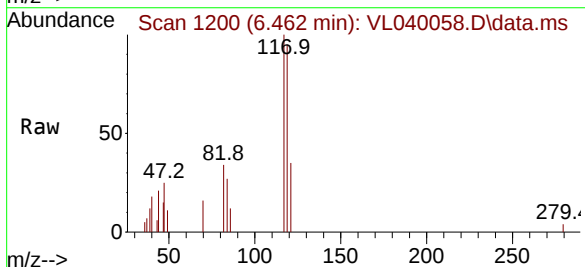
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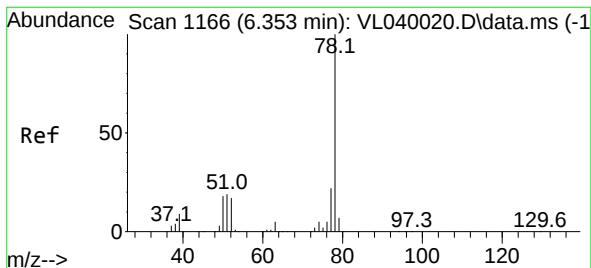
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#35
Carbon Tetrachloride
Concen: 0.057 ppbv m
RT: 6.462 min Scan# 1200
Delta R.T. -0.016 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

Tgt Ion:117 Resp: 8376
Ion Ratio Lower Upper
117 100
119 94.9 77.3 115.9
121 34.7 25.4 38.0





#36

Benzene

Concen: 0.148 ppbv

RT: 6.340 min Scan# 1166

Delta R.T. -0.013 min

Lab File: VL040058.D

Acq: 20 Dec 2022 16:00

Instrument :

MSVOA_L

ClientSampleId :

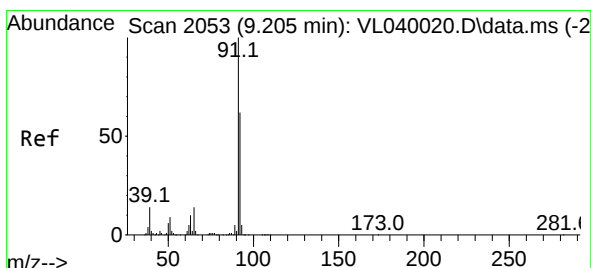
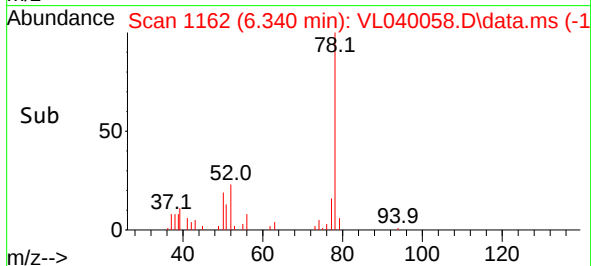
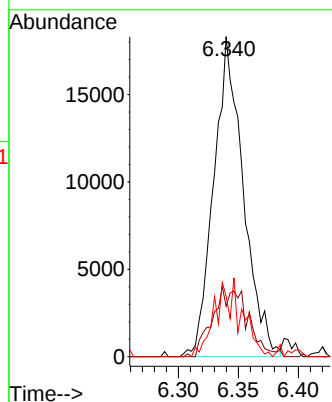
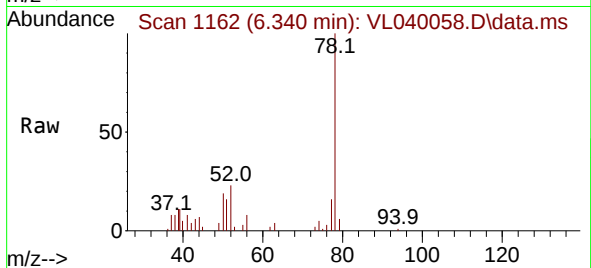
IA-2

Tgt Ion: 78 Resp: 31349
 Ion Ratio Lower Upper
 78 100
 77 15.8 17.5 26.3
 50 19.0 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022



#53

Toluene

Concen: 0.225 ppbv

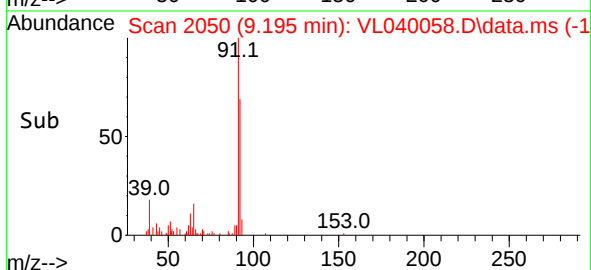
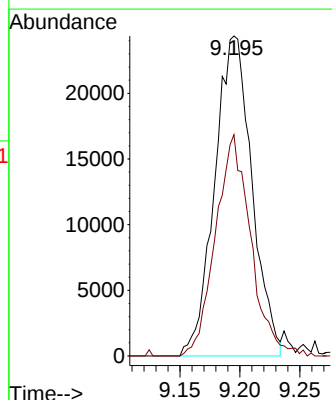
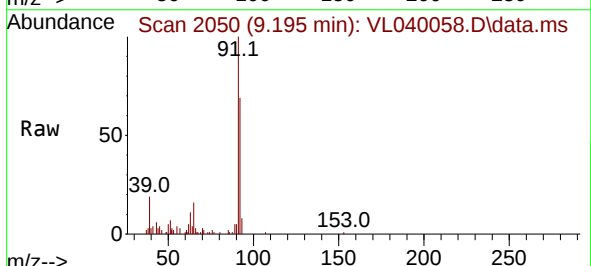
RT: 9.195 min Scan# 2050

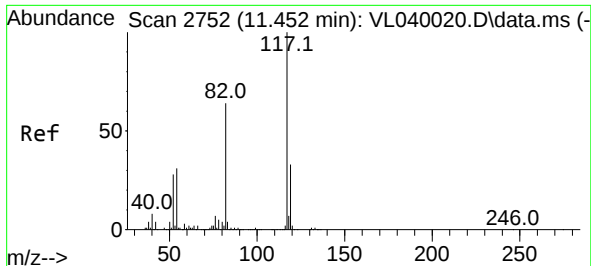
Delta R.T. -0.010 min

Lab File: VL040058.D

Acq: 20 Dec 2022 16:00

Tgt Ion: 91 Resp: 52698
 Ion Ratio Lower Upper
 91 100
 92 65.3 48.7 73.1





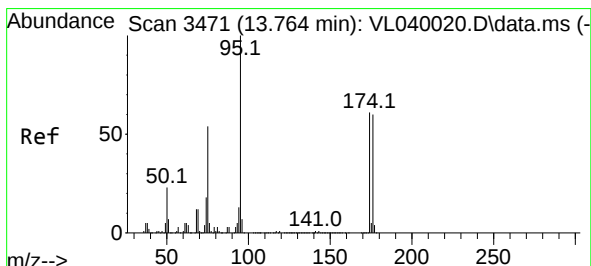
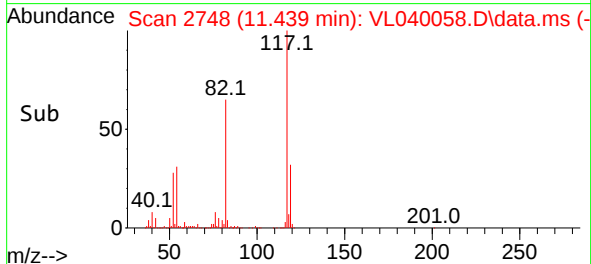
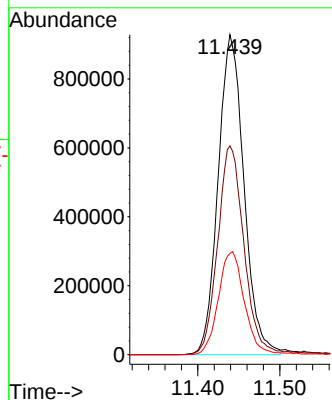
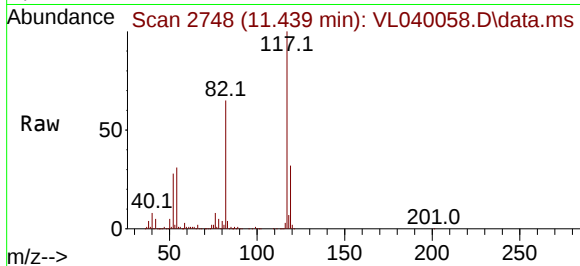
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion:117 Resp: 203028
Ion Ratio Lower Upper
117 100
82 67.5 51.2 76.8
119 32.8 23.2 34.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.001 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. -0.013 min
Lab File: VL040058.D
Acq: 20 Dec 2022 16:00

Tgt Ion: 95 Resp: 1550993
Ion Ratio Lower Upper
95 100
174 61.1 48.6 73.0
175 4.2 3.4 5.2

