

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040255.D
 Acq On : 8 Mar 2023 15:37
 Operator : SY/MD
 Sample : 01836-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-3723-SS

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 04:13:30 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Mar 01 04:21:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	789043	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.639	114	2003027	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	1722645	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1387599	9.796	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	34800	0.237	ppbv	100
3) Chlorodifluoromethane	2.664	51	103177	1.095	ppbv	97
4) Chloromethane	2.803	50	11721	0.198	ppbv	99
9) Propene	2.690	41	19534	0.508	ppbv #	77
11) Trichlorofluoromethane	3.549	101	31939	0.242	ppbv	95
13) Ethanol	3.230	45	163160	46.128	ppbv	90
15) Acetone	3.452	43	991317	10.435	ppbv	99
20) Methylene Chloride	3.922	84	175657	3.552	ppbv	94
26) Hexane	5.201	57	100472	1.325	ppbv #	35
29) Chloroform	5.259	83	43449m	0.334	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	10993	0.153	ppbv #	81
34) 2-Butanone	4.780	43	38466m	0.389	ppbv	
35) Carbon Tetrachloride	6.478	117	8611m	0.073	ppbv	
38) Trichloroethene	7.272	130	15777m	0.184	ppbv	
52) Tetrachloroethene	10.616	164	6623636	136.077	ppbv	93
58) Ethyl Benzene	12.079	91	92448m	0.442	ppbv	
59) m/p-Xylene	12.339	91	417846m	2.254	ppbv	
60) o-Xylene	13.047	91	46046	0.258	ppbv	99

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

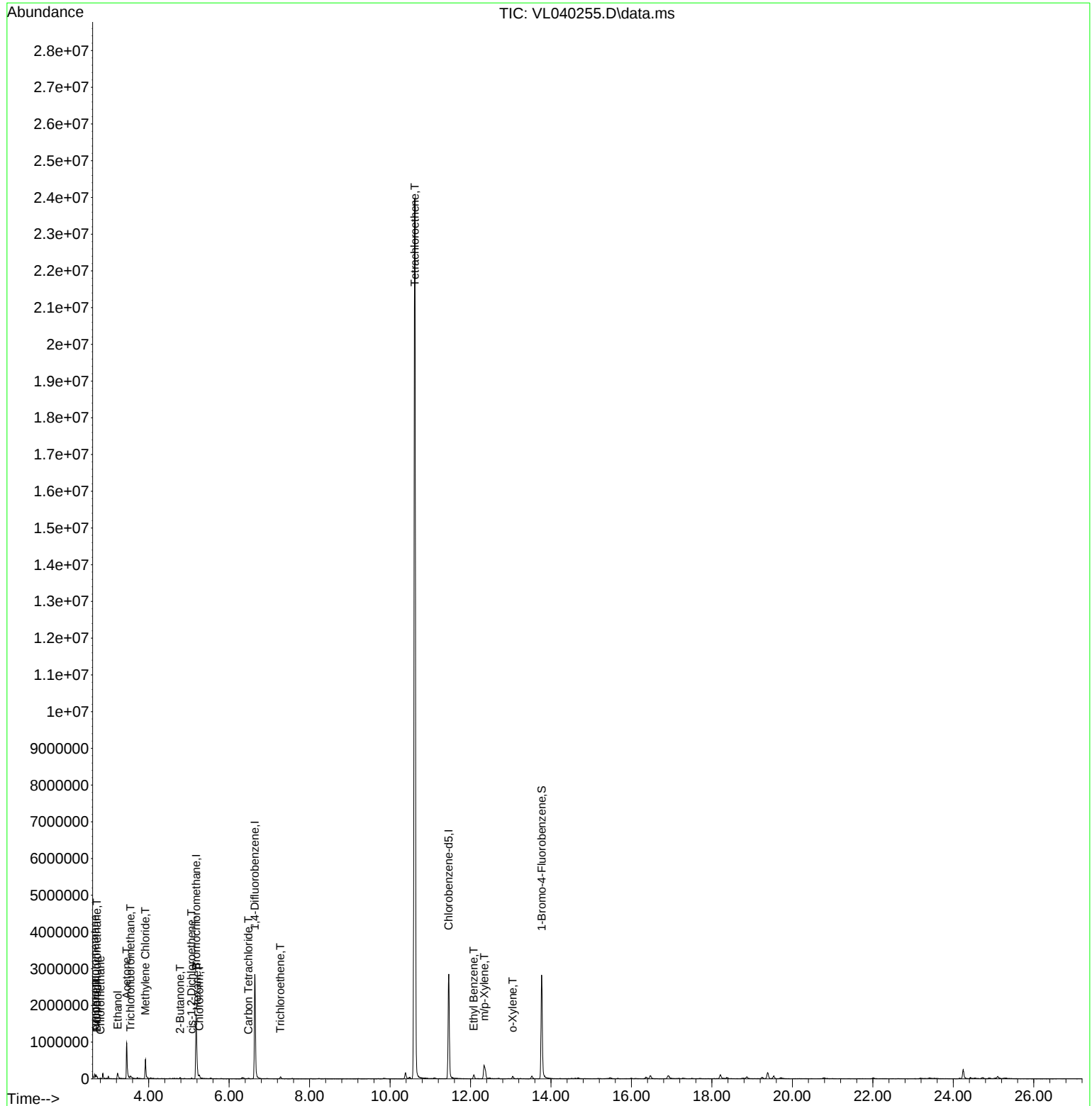
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
Data File : VL040255.D
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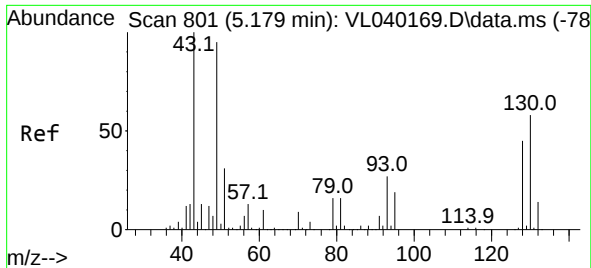
Instrument :
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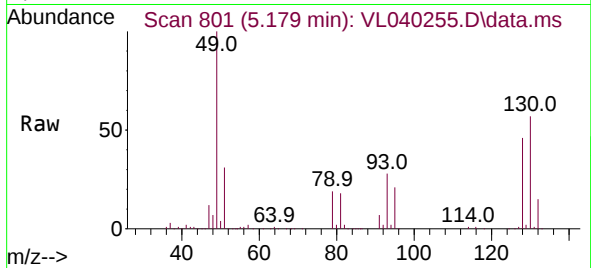
Quant Time: Mar 09 04:13:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 01 04:21:39 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.022 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

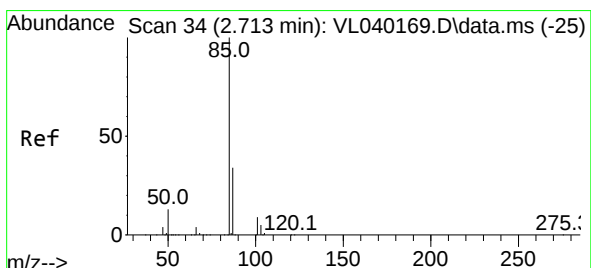
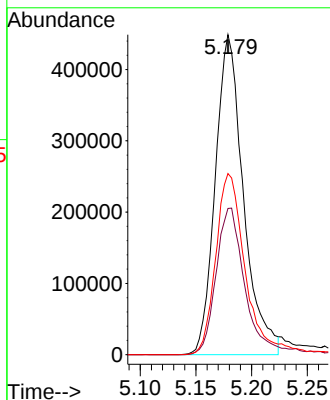
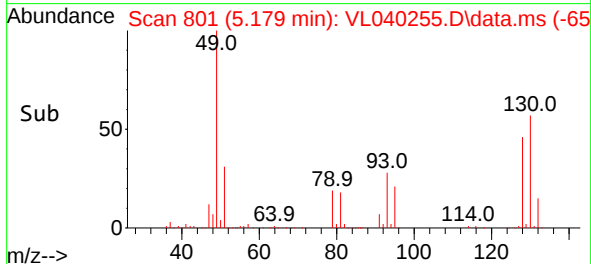
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SS



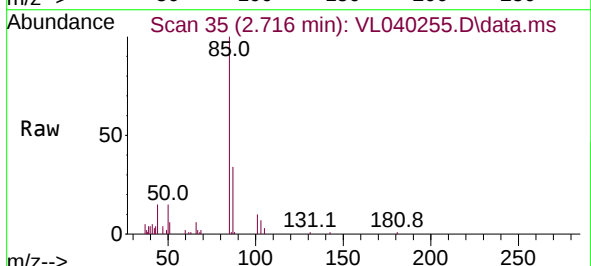
Tgt Ion: 49 Resp: 78904
Ion Ratio Lower Upper
49 100
128 48.5 24.1 72.3
130 61.3 30.9 92.8

Manual Integrations
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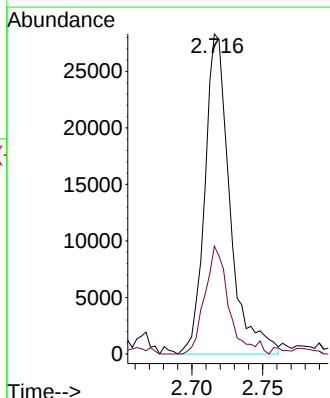
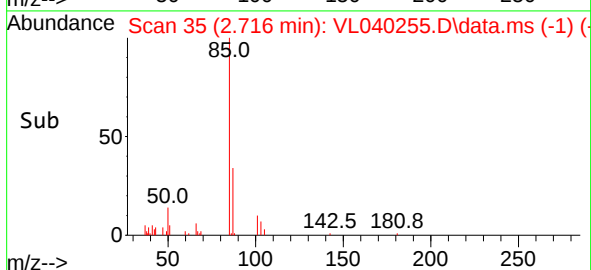
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

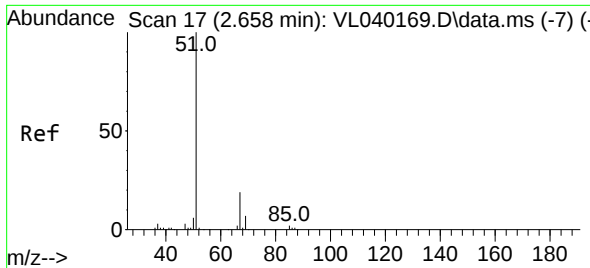


#2
Dichlorodifluoromethane
Concen: 0.237 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.010 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37



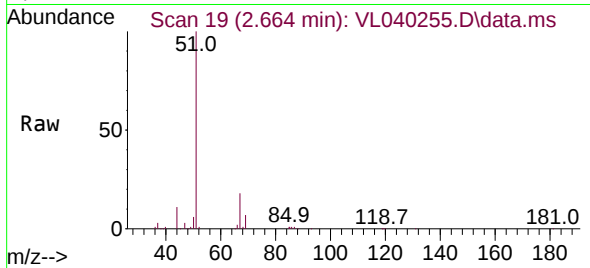
Tgt Ion: 85 Resp: 34800
Ion Ratio Lower Upper
85 100
87 33.7 27.0 40.6





#3
Chlorodifluoromethane
Concen: 1.095 ppbv
RT: 2.664 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

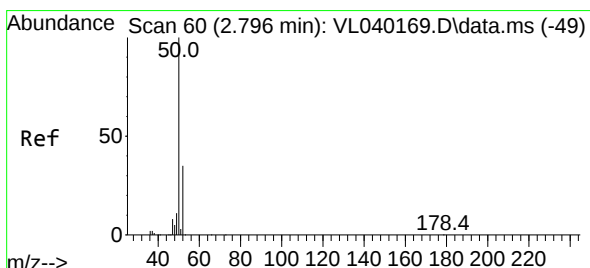
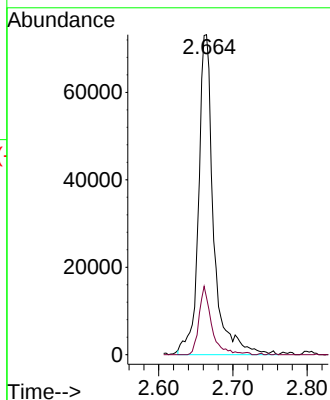
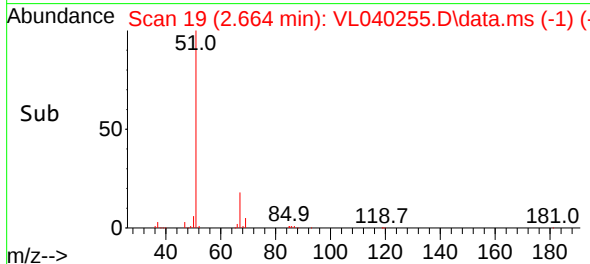
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SS



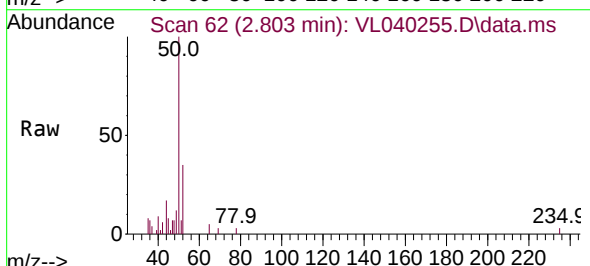
Tgt Ion: 51 Resp: 10317
Ion Ratio Lower Upper
51 100
67 18.1 15.4 23.2

Manual Integrations
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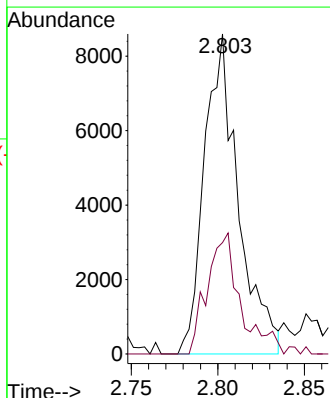
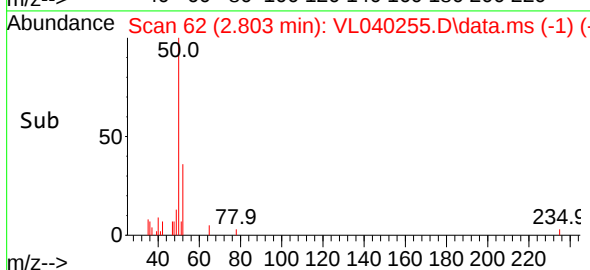
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

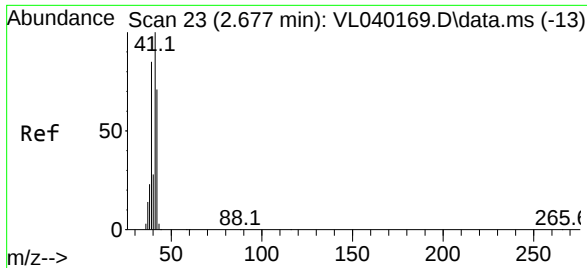


#4
Chloromethane
Concen: 0.198 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.010 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37



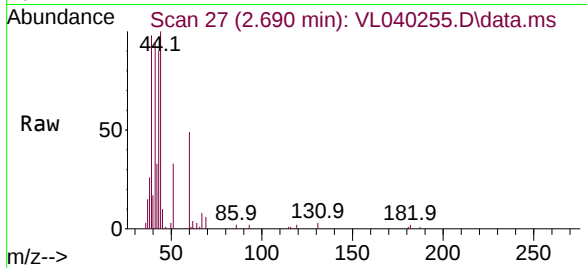
Tgt Ion: 50 Resp: 11721
Ion Ratio Lower Upper
50 100
52 34.8 28.3 42.5





#9
 Propene
 Concen: 0.508 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040255.D
 Acq: 8 Mar 2023 15:37

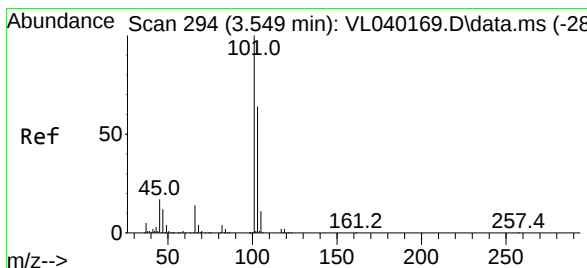
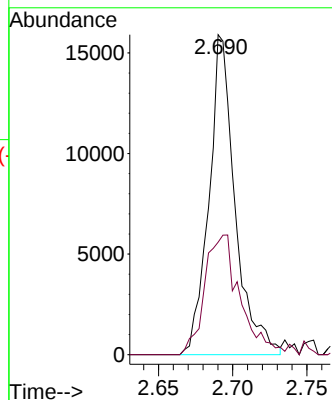
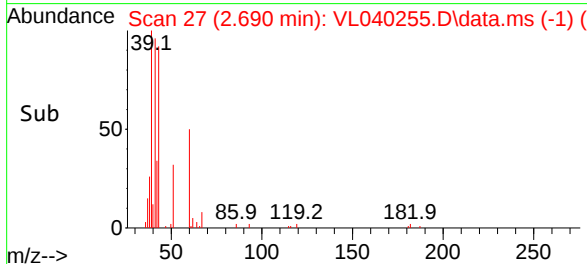
Instrument :
 MSVOA_L
 ClientSampleId :
 DC-3723-SS



Tgt Ion: 41 Resp: 19534
 Ion Ratio Lower Upper
 41 100
 42 52.3 56.9 85.3

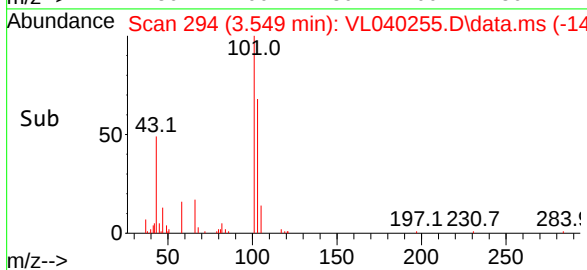
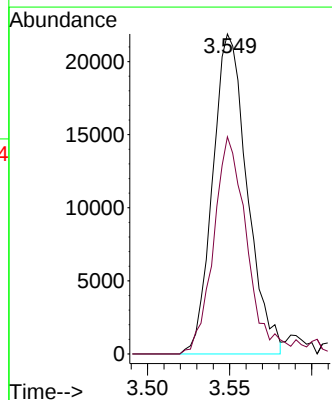
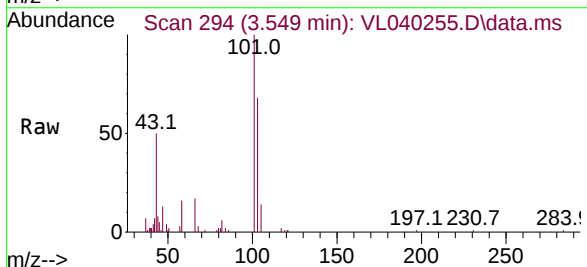
Manual Integrations
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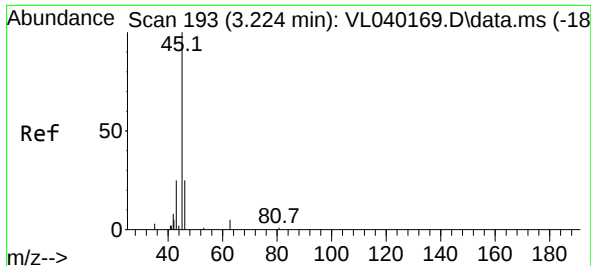
Reviewed By :Semsettin Yesilyurt 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023



#11
 Trichlorofluoromethane
 Concen: 0.242 ppbv
 RT: 3.549 min Scan# 294
 Delta R.T. -0.016 min
 Lab File: VL040255.D
 Acq: 8 Mar 2023 15:37

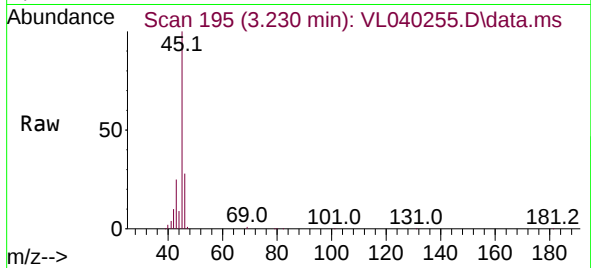
Tgt Ion:101 Resp: 31939
 Ion Ratio Lower Upper
 101 100
 103 67.8 51.0 76.6





#13
Ethanol
Concen: 46.128 ppbv
RT: 3.230 min Scan# 193
Delta R.T. -0.016 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

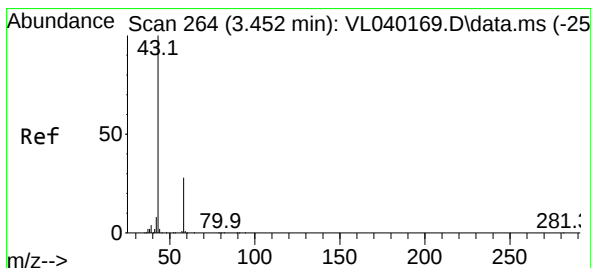
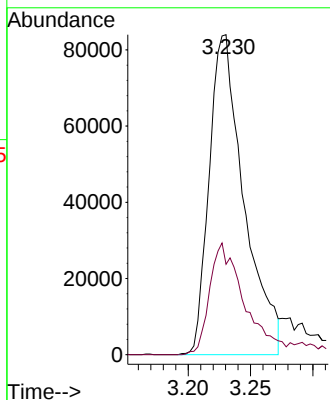
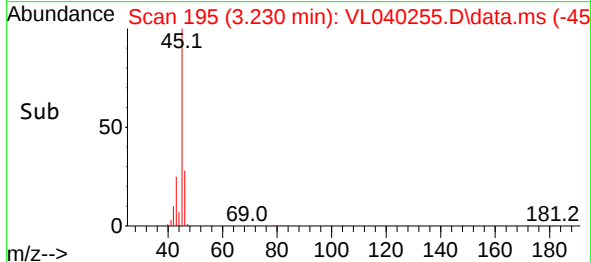
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SS



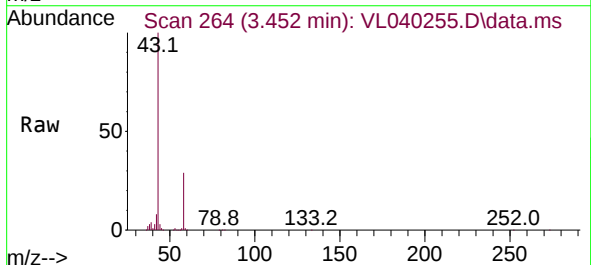
Tgt Ion: 45 Resp: 163160
Ion Ratio Lower Upper
45 100
46 38.7 13.3 53.1

Manual Integrations
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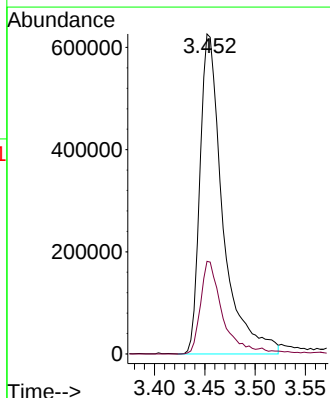
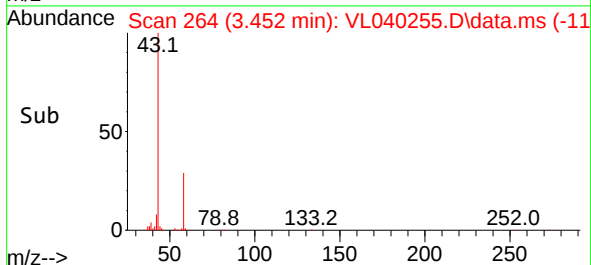
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

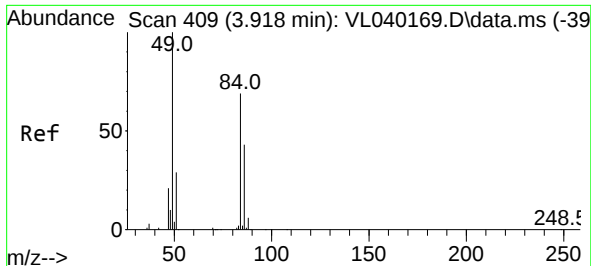


#15
Acetone
Concen: 10.435 ppbv
RT: 3.452 min Scan# 264
Delta R.T. -0.016 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37



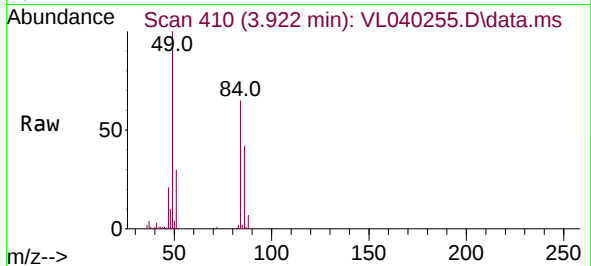
Tgt Ion: 43 Resp: 991317
Ion Ratio Lower Upper
43 100
58 28.7 22.4 33.6





#20
Methylene Chloride
Concen: 3.552 ppbv
RT: 3.922 min Scan# 410
Delta R.T. -0.013 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

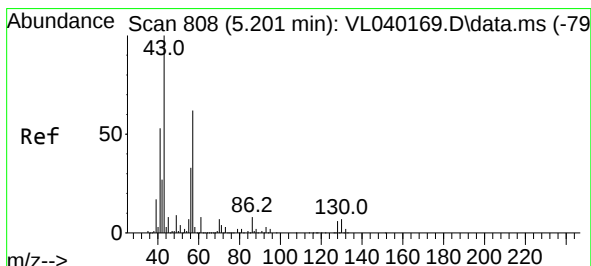
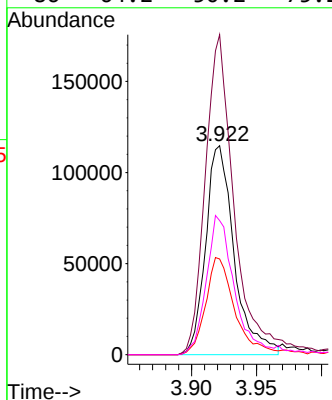
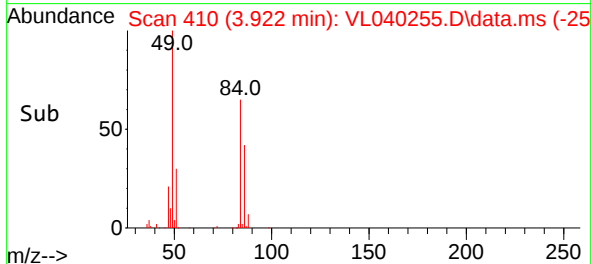
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SS



Tgt Ion: 84 Resp: 17565
Ion Ratio Lower Upper
84 100
49 153.1 115.5 173.3
51 45.8 33.1 49.7
86 64.2 50.2 75.2

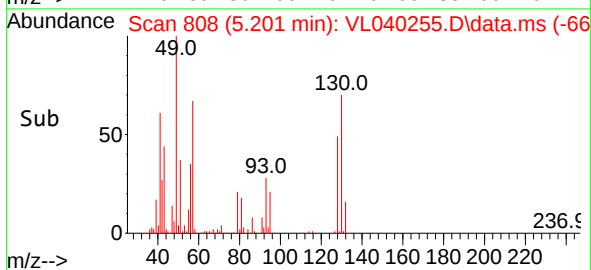
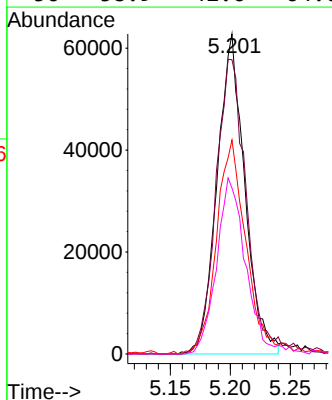
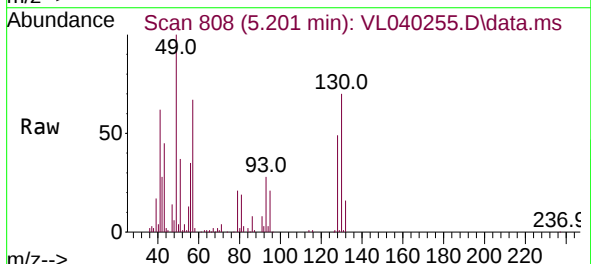
Manual Integrations
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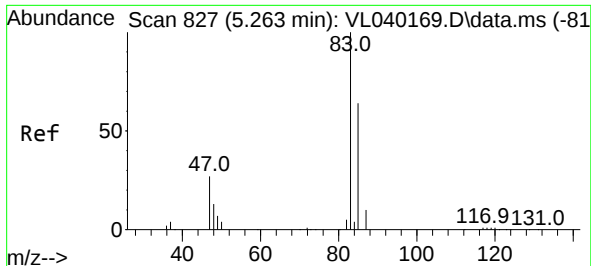
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#26
Hexane
Concen: 1.325 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.023 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

Tgt Ion: 57 Resp: 100472
Ion Ratio Lower Upper
57 100
41 103.7 74.3 111.5
43 72.3 193.0 289.4#
56 58.9 42.6 64.0





#29

Chloroform

Concen: 0.334 ppbv m

RT: 5.259 min Scan# 81

Delta R.T. -0.023 min

Lab File: VL040255.D

Acq: 8 Mar 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-SS

Tgt Ion: 83 Resp: 43449

Ion Ratio Lower Upper

83 100

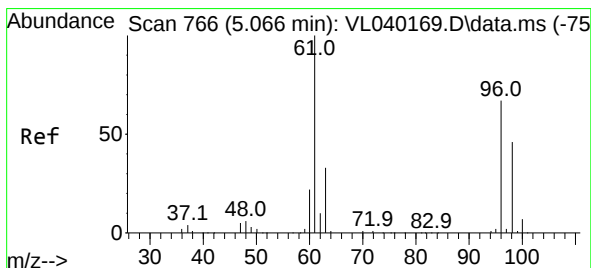
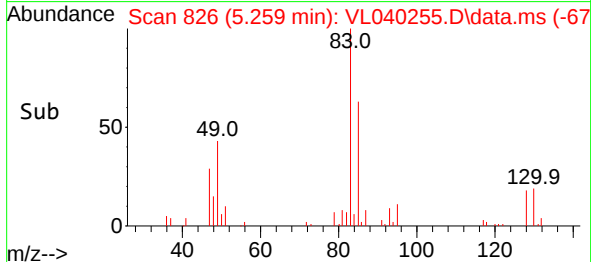
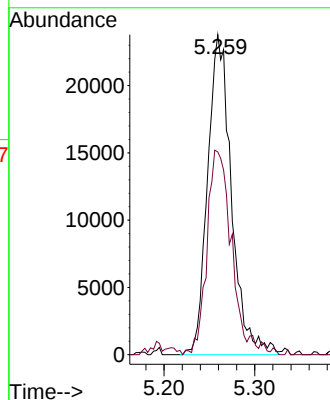
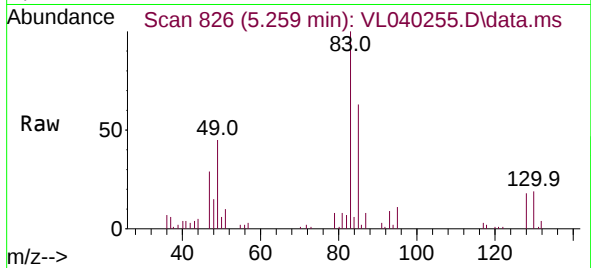
85 63.4 51.5 77.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#31

cis-1,2-Dichloroethene

Concen: 0.153 ppbv

RT: 5.066 min Scan# 766

Delta R.T. -0.019 min

Lab File: VL040255.D

Acq: 8 Mar 2023 15:37

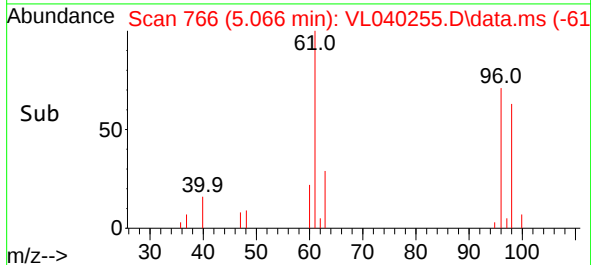
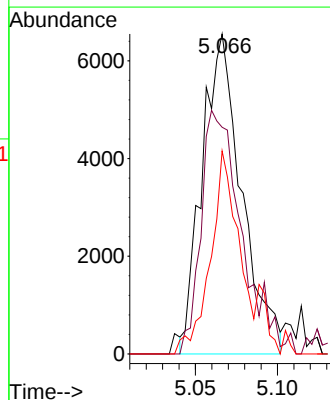
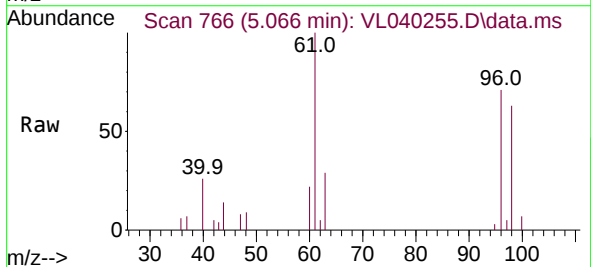
Tgt Ion: 61 Resp: 10993

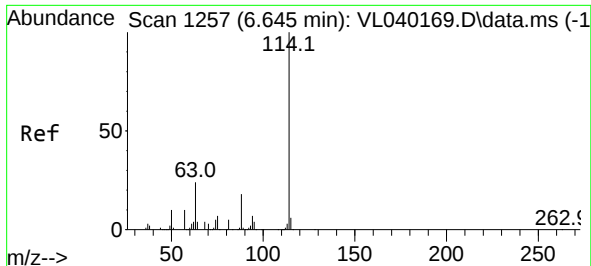
Ion Ratio Lower Upper

61 100

96 74.7 53.7 80.5

98 66.9 36.4 54.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.026 min

Lab File: VL040255.D

Acq: 8 Mar 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-SS

Tgt Ion:114 Resp: 200302

Ion Ratio Lower Upper

114 100

63 26.3 20.4 30.6

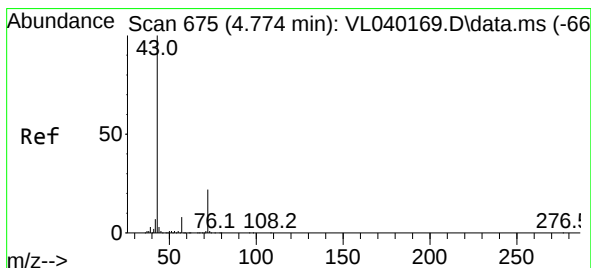
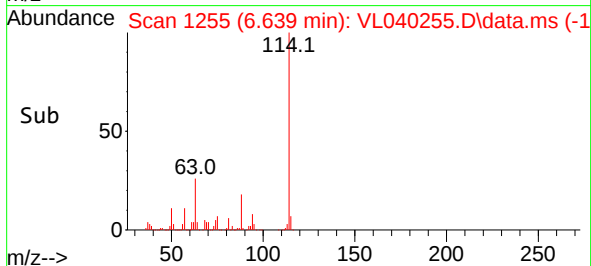
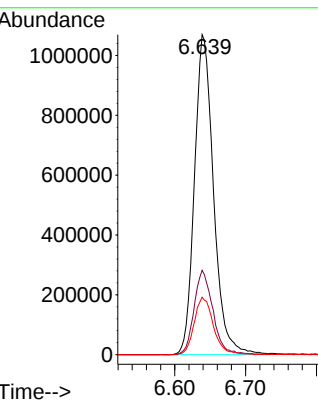
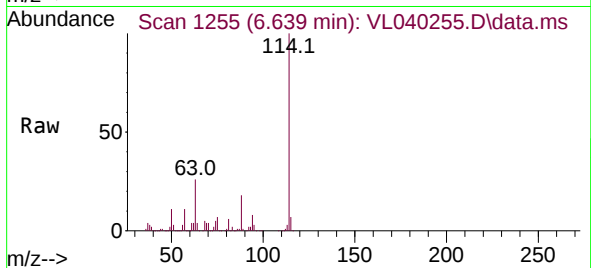
88 18.2 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#34

2-Butanone

Concen: 0.389 ppbv m

RT: 4.780 min Scan# 677

Delta R.T. -0.013 min

Lab File: VL040255.D

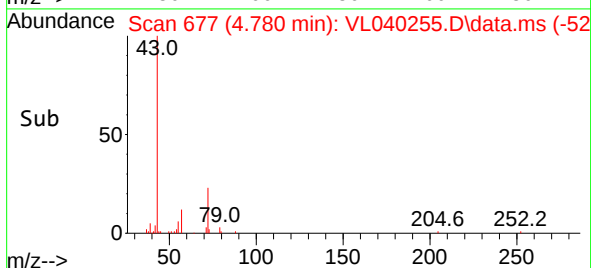
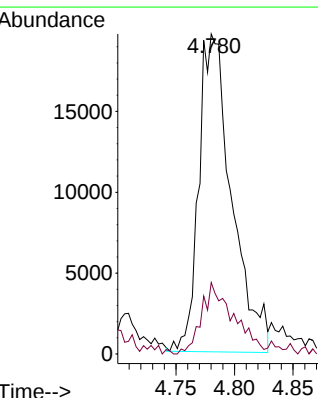
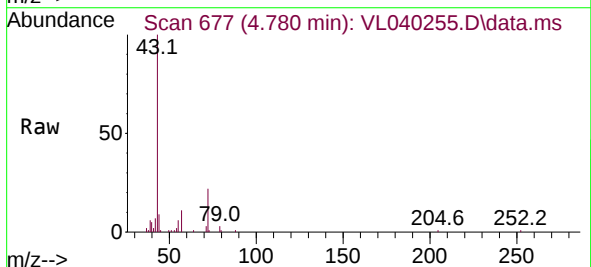
Acq: 8 Mar 2023 15:37

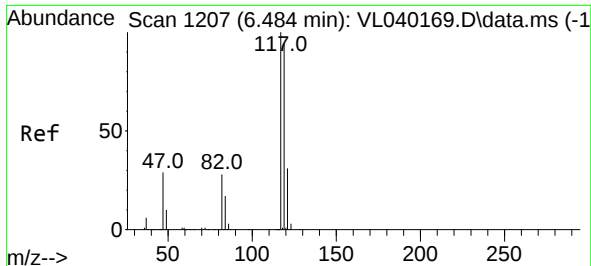
Tgt Ion: 43 Resp: 38466

Ion Ratio Lower Upper

43 100

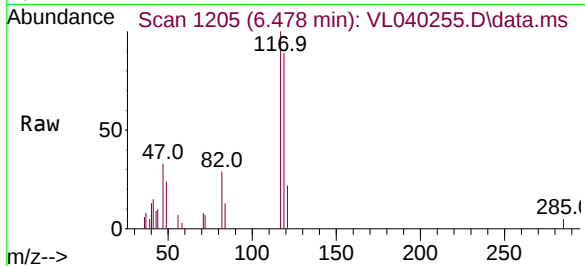
72 0.0 17.8 26.8#





#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 6.478 min Scan# 117
Delta R.T. -0.029 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

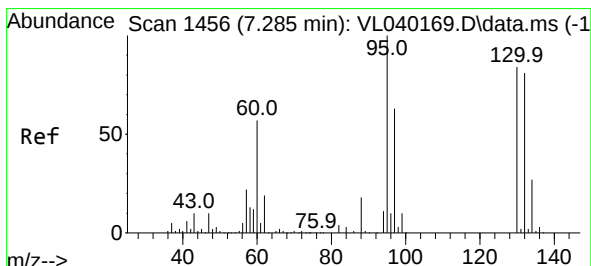
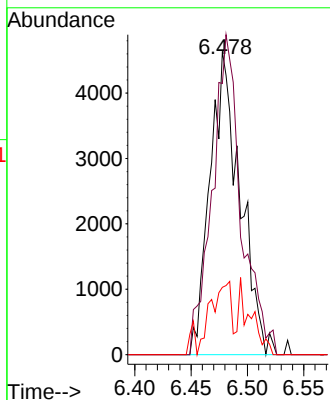
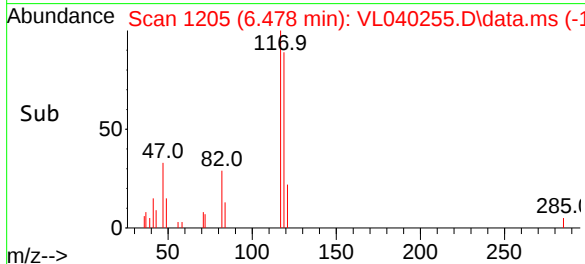
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SS



Tgt Ion:117 Resp: 861
Ion Ratio Lower Upper
117 100
119 89.4 75.0 112.6
121 22.2 25.0 37.4

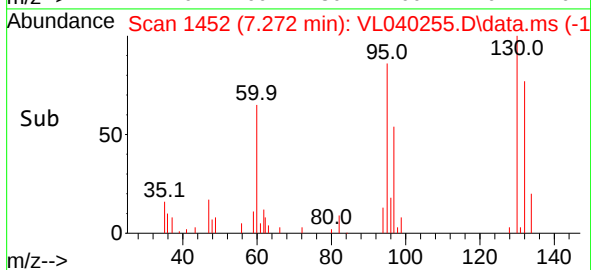
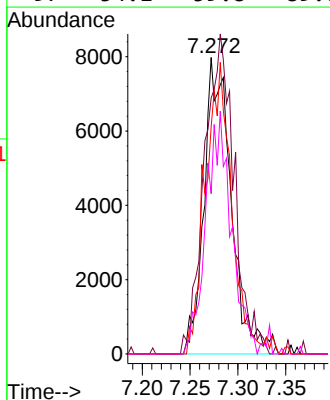
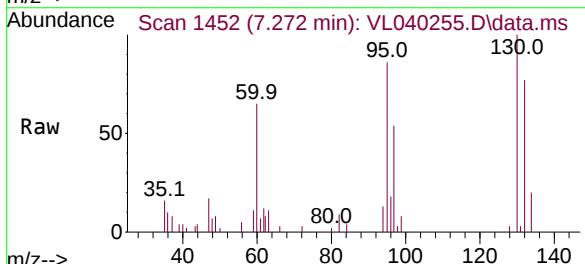
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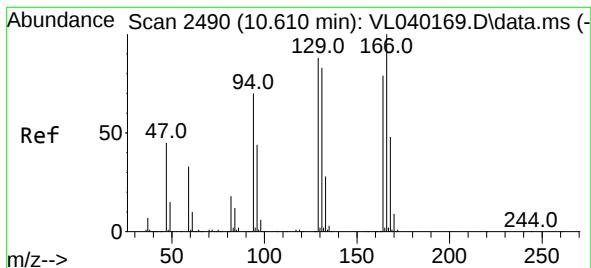
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#38
Trichloroethene
Concen: 0.184 ppbv m
RT: 7.272 min Scan# 1452
Delta R.T. -0.035 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

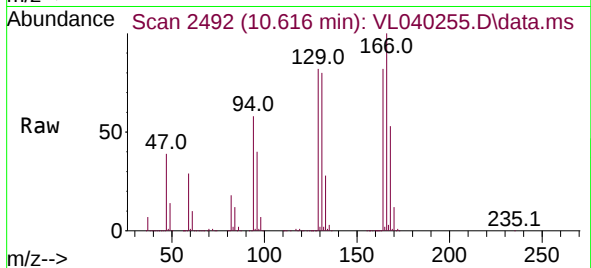
Tgt Ion:130 Resp: 15777
Ion Ratio Lower Upper
130 100
95 86.4 94.7 142.1#
132 76.6 76.4 114.6
97 54.1 59.8 89.6#





#52
Tetrachloroethene
Concen: 136.077 ppbv
RT: 10.616 min Scan# 2490
Delta R.T. -0.019 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

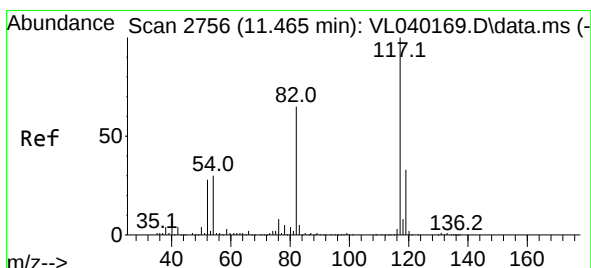
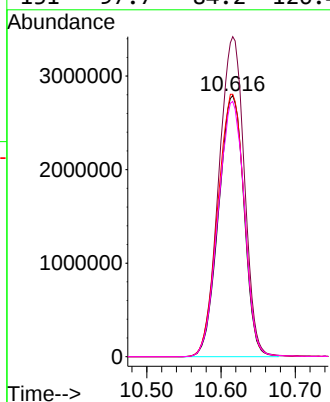
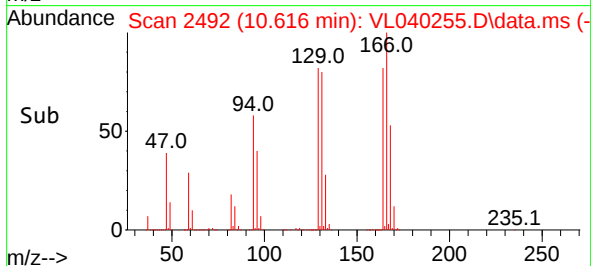
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SS



Tgt Ion:164 Resp: 6623630
Ion Ratio Lower Upper
164 100
166 122.6 101.5 152.3
129 100.5 89.0 133.4
131 97.7 84.2 126.4

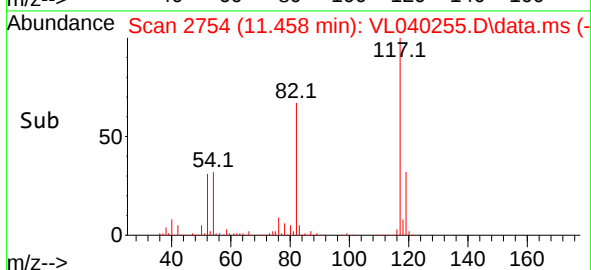
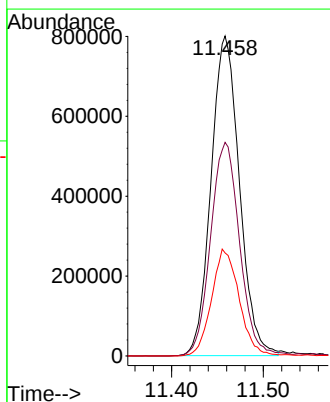
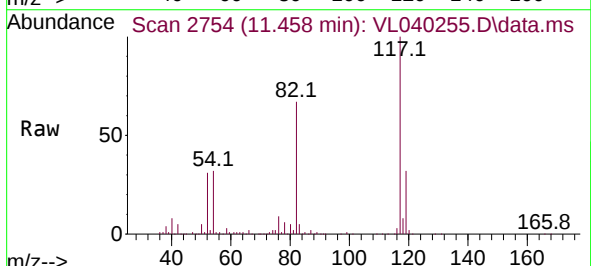
Manual Integrations
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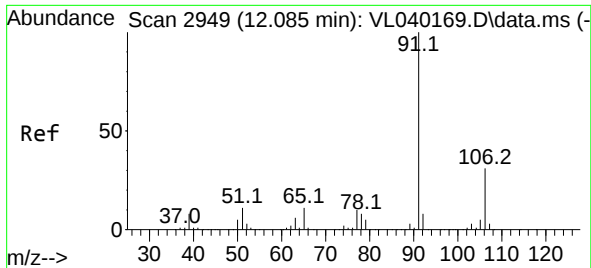
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.029 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

Tgt Ion:117 Resp: 1722645
Ion Ratio Lower Upper
117 100
82 69.1 53.3 79.9
119 33.0 24.6 37.0





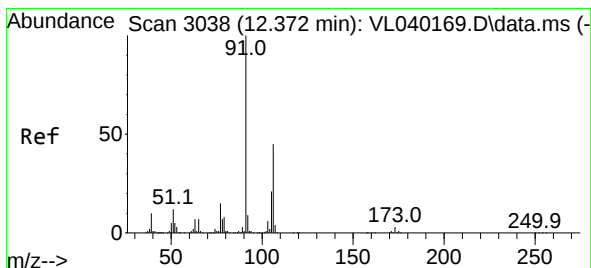
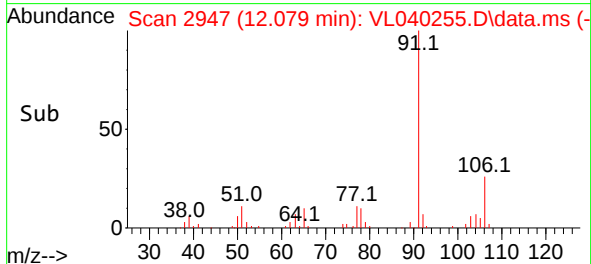
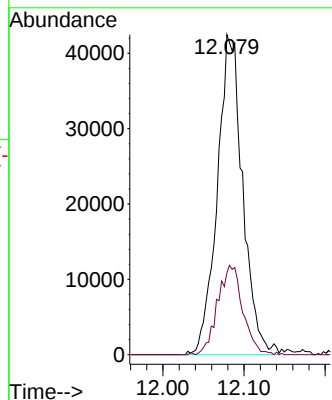
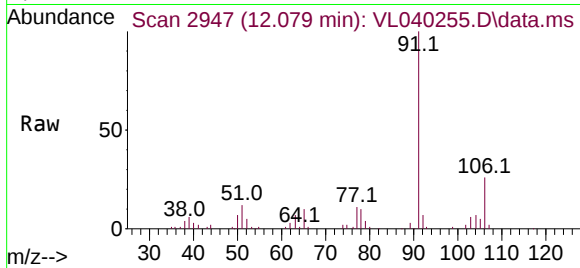
#58
Ethyl Benzene
Concen: 0.442 ppbv m
RT: 12.079 min Scan# 2949
Delta R.T. -0.032 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SS

Tgt Ion: 91 Resp: 92448
Ion Ratio Lower Upper
91 100
106 25.6 24.9 37.3

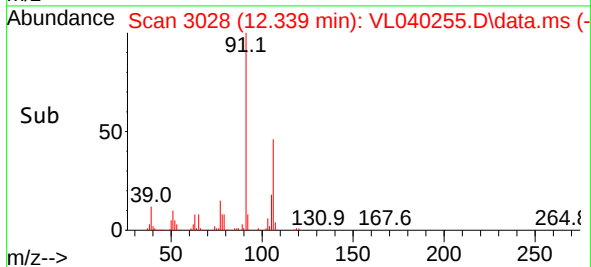
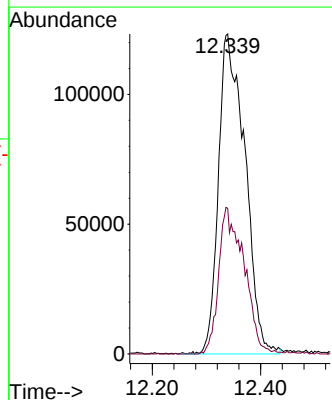
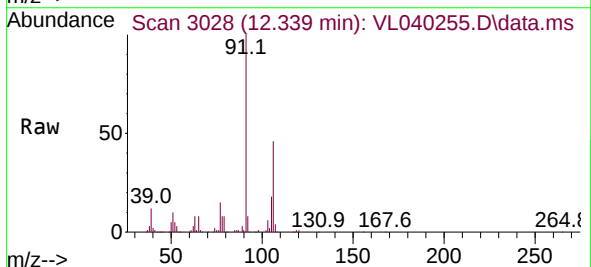
Manual Integrations
APPROVED

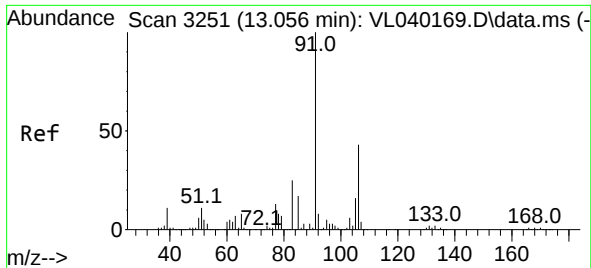
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#59
m/p-Xylene
Concen: 2.254 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.058 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

Tgt Ion: 91 Resp: 417846
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#





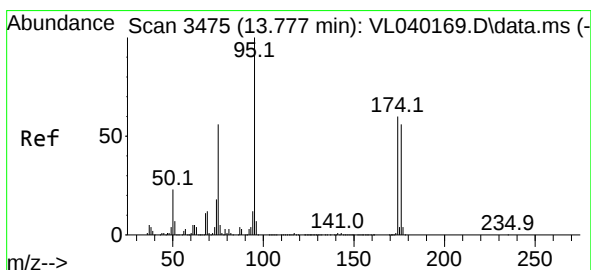
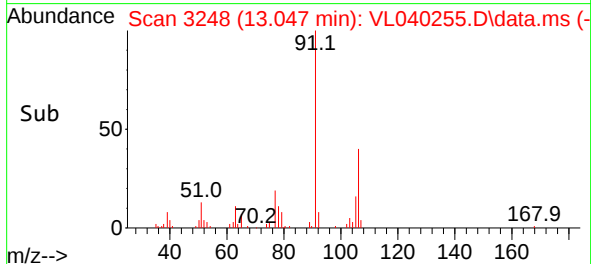
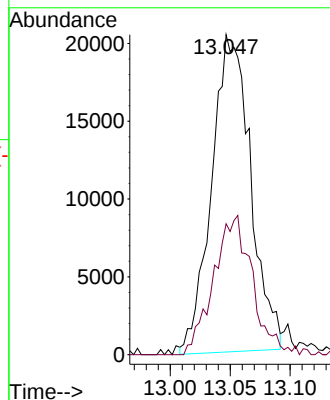
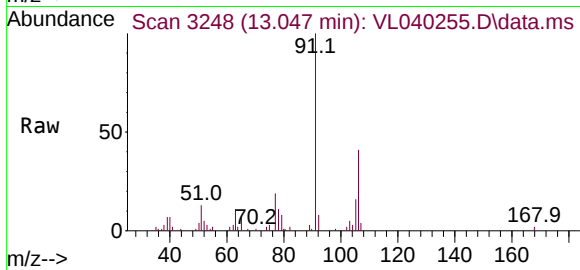
#60
o-Xylene
Concen: 0.258 ppbv
RT: 13.047 min Scan# 31
Delta R.T. -0.035 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SS

Tgt Ion: 91 Resp: 46040
Ion Ratio Lower Upper
91 100
106 43.9 21.6 65.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.796 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.029 min
Lab File: VL040255.D
Acq: 8 Mar 2023 15:37

Tgt Ion: 95 Resp: 1387599
Ion Ratio Lower Upper
95 100
174 60.2 48.2 72.2
175 4.1 3.4 5.2

