

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
 Data File : VL040075.D
 Acq On : 9 Jan 2023 14:36
 Operator : SY/MD
 Sample : 01074-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-113

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/11/2023
 Supervised By :Mahesh Dadoda 01/11/2023

Quant Time: Jan 10 00:42:19 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

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

QLast Update : Tue Jan 10 00:22:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1065446	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2885537	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2508696	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1966678	10.263	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	27944	0.140	ppbv	89
4) Chloromethane	2.800	50	31939	0.324	ppbv	97
9) Propene	2.690	41	51222	0.768	ppbv #	83
11) Trichlorofluoromethane	3.552	101	38455	0.177	ppbv	91
13) Ethanol	3.227	45	702230	111.841	ppbv	97
15) Acetone	3.456	43	1470738	8.923	ppbv	99
17) tert-Butyl alcohol	3.886	59	23600m	0.145	ppbv	
19) Isopropyl Alcohol	3.575	45	124173m	1.529	ppbv	
20) Methylene Chloride	3.925	84	1813106	25.880	ppbv	98
26) Hexane	5.211	57	2054615	17.126	ppbv #	36
30) Cyclohexane	6.603	84	13515m	0.127	ppbv	
34) 2-Butanone	4.787	43	89409	0.571	ppbv	100
35) Carbon Tetrachloride	6.497	117	12350	0.069	ppbv #	89
36) Benzene	6.369	78	67144	0.261	ppbv	95
41) Tetrahydrofuran	5.552	42	1257151	12.866	ppbv	100
52) Tetrachloroethene	10.622	164	5743m	0.066	ppbv	
53) Toluene	9.224	91	215310	0.755	ppbv	99
58) Ethyl Benzene	12.105	91	43873	0.123	ppbv	96
59) m/p-Xylene	12.352	91	130521m	0.420	ppbv	
60) o-Xylene	13.069	91	52891m	0.178	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	67681	0.206	ppbv #	65
76) 1,4-Dichlorobenzene	16.484	146	22989m	0.131	ppbv	

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

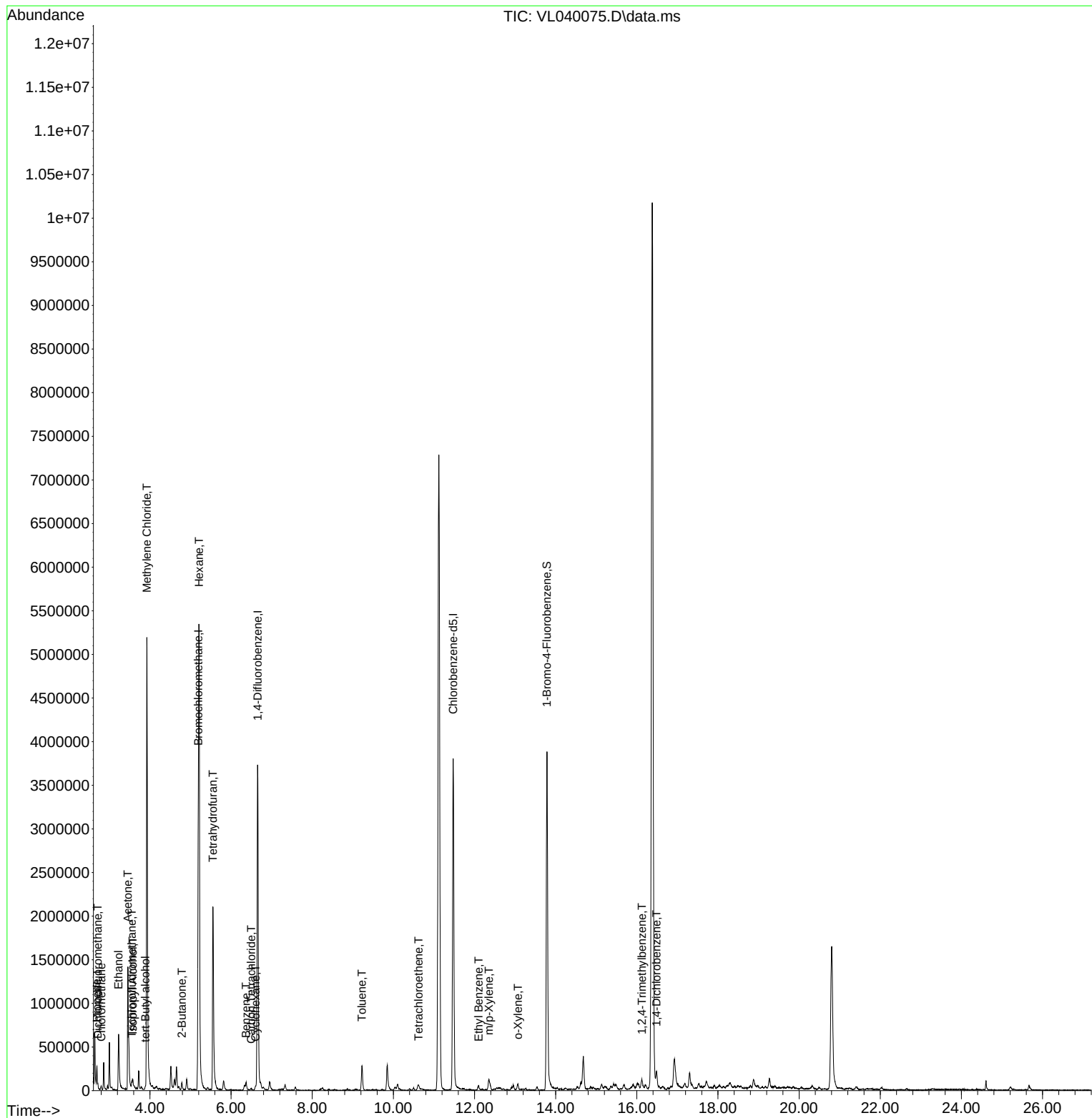
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
Data File : VL040075.D
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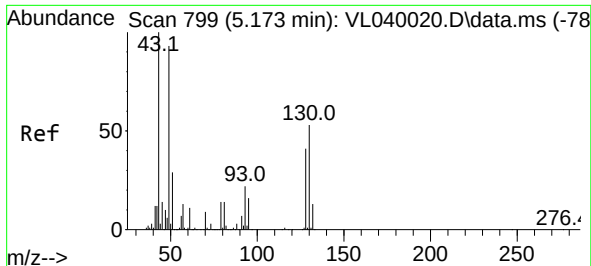
Instrument :
MSVOA_L
ClientSampleId :
AP-113

Quant Time: Jan 10 00:42:19 2023
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 Jan 10 00:22:08 2023
Response via : Initial Calibration

Manual Integrations
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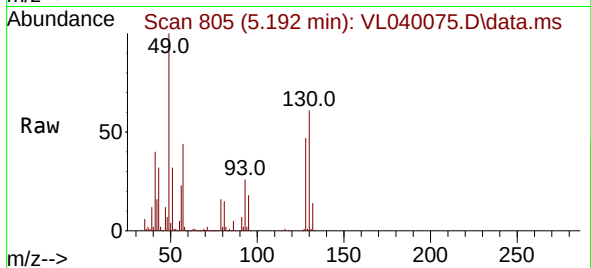
Reviewed By : Semsettin Yesilyurt 01/11/2023
Supervised By : Mahesh Dadoda 01/11/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

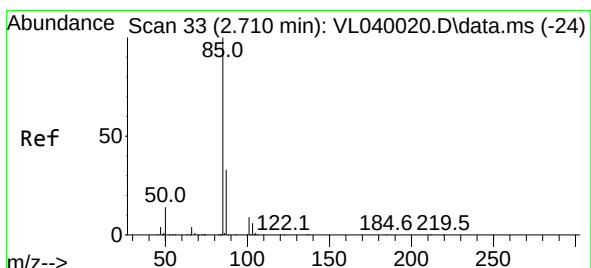
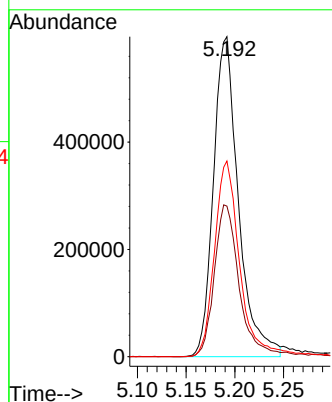
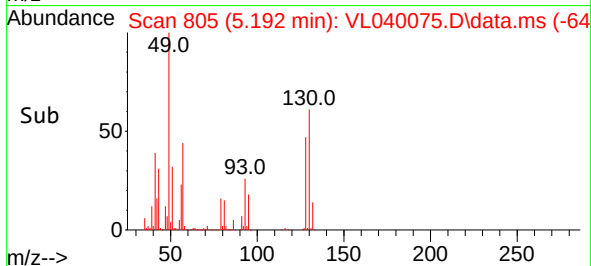
Instrument :
MSVOA_L
ClientSampleId :
AP-113



Tgt Ion: 49 Resp: 106544
Ion Ratio Lower Upper
49 100
128 48.6 22.4 67.3
130 63.2 28.9 86.8

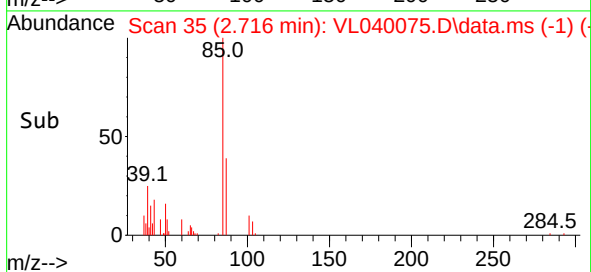
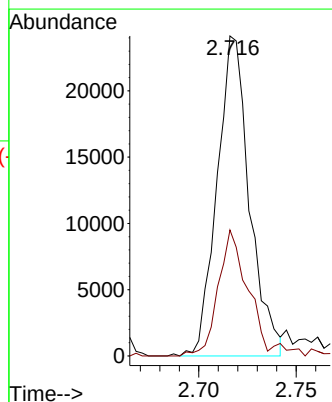
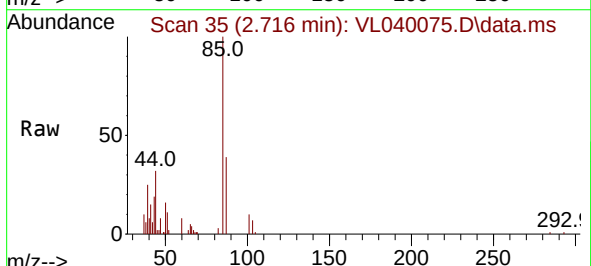
Manual Integrations
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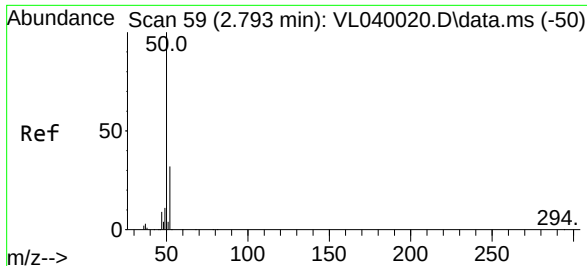
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#2
Dichlorodifluoromethane
Concen: 0.140 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

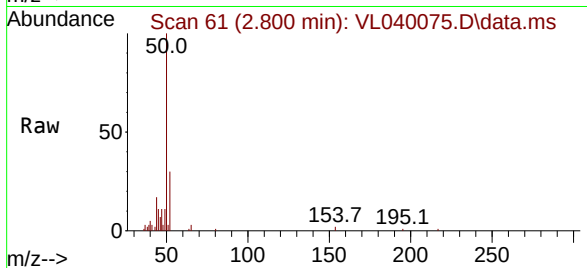
Tgt Ion: 85 Resp: 27944
Ion Ratio Lower Upper
85 100
87 39.7 26.6 40.0





#4
Chloromethane
Concen: 0.324 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

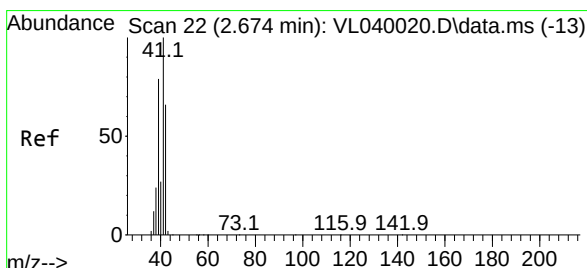
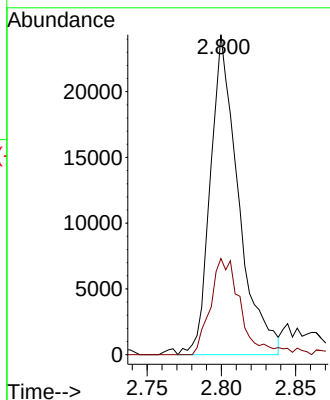
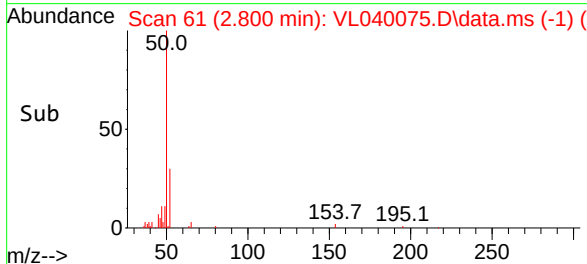
Instrument :
MSVOA_L
ClientSampleId :
AP-113



Tgt Ion: 50 Resp: 31939
Ion Ratio Lower Upper
50 100
52 30.0 25.5 38.3

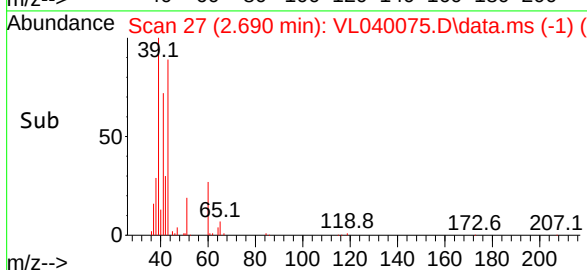
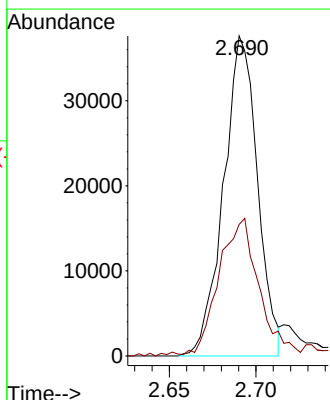
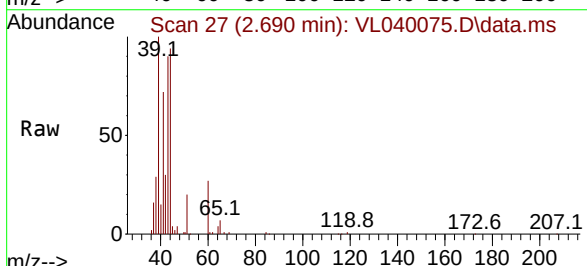
Manual Integrations
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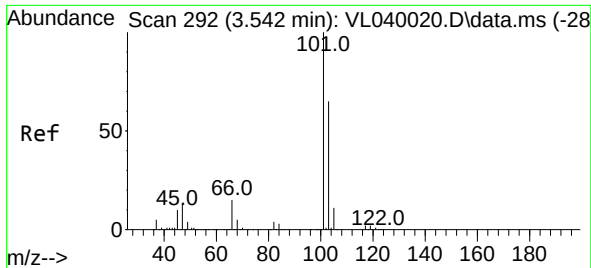
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#9
Propene
Concen: 0.768 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.013 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Tgt Ion: 41 Resp: 51222
Ion Ratio Lower Upper
41 100
42 54.3 54.8 82.2#





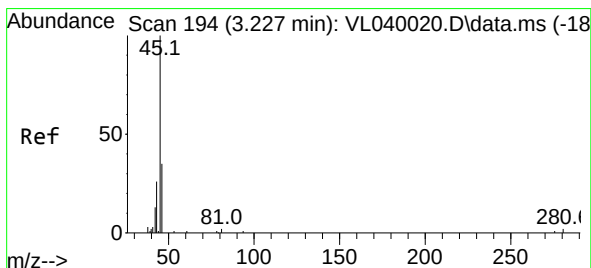
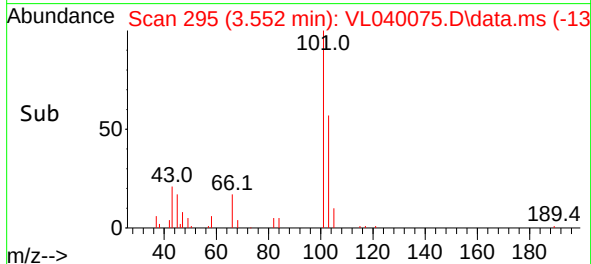
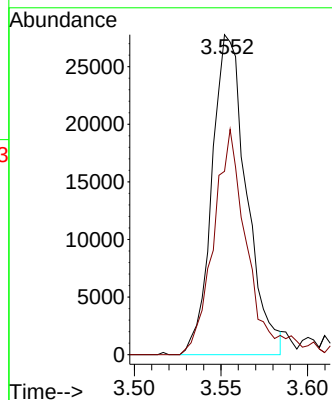
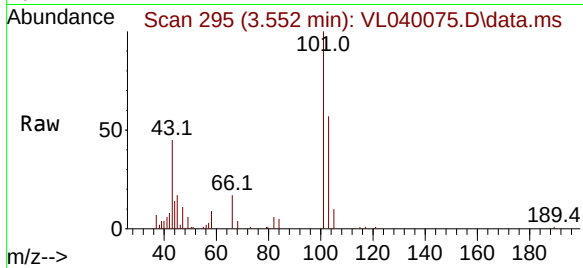
#11
Trichlorofluoromethane
Concen: 0.177 ppbv
RT: 3.552 min Scan# 292
Delta R.T. 0.000 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
AP-113

Tgt Ion:101 Resp: 3845
Ion Ratio Lower Upper
101 100
103 57.3 51.7 77.5

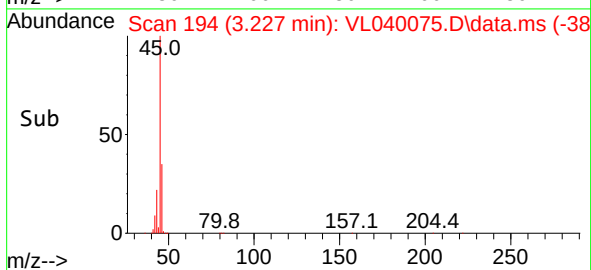
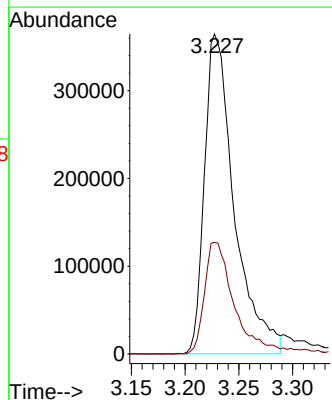
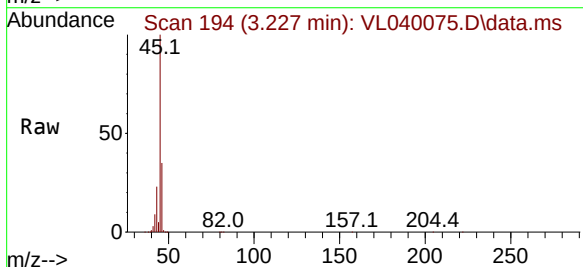
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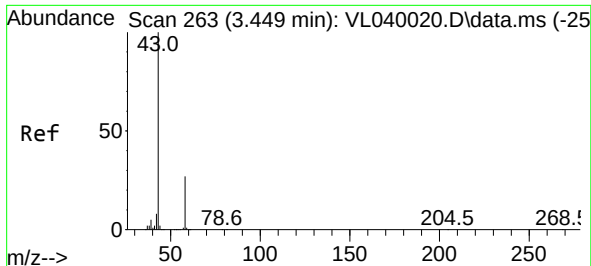
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#13
Ethanol
Concen: 111.841 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

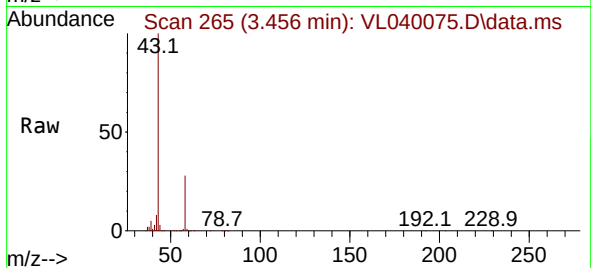
Tgt Ion: 45 Resp: 702230
Ion Ratio Lower Upper
45 100
46 36.2 13.7 54.7





#15
Acetone
Concen: 8.923 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

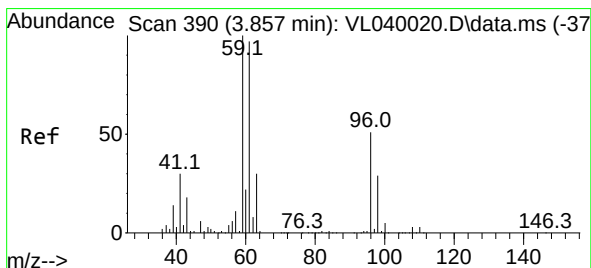
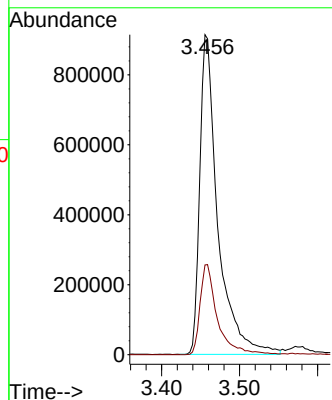
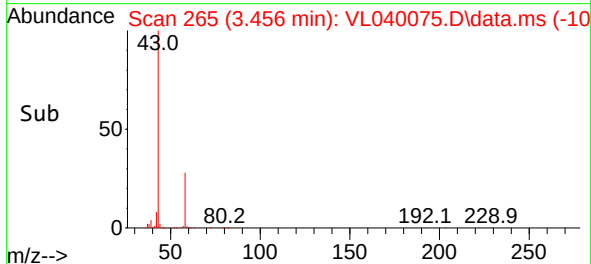
Instrument :
MSVOA_L
ClientSampleId :
AP-113



Tgt Ion: 43 Resp: 1470738
Ion Ratio Lower Upper
43 100
58 27.0 21.8 32.8

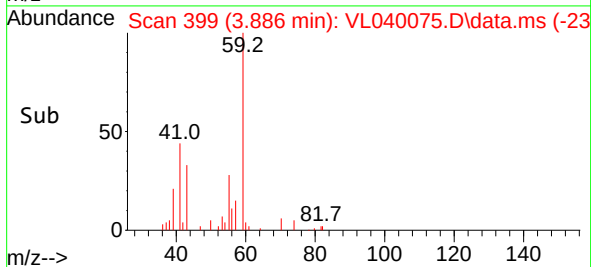
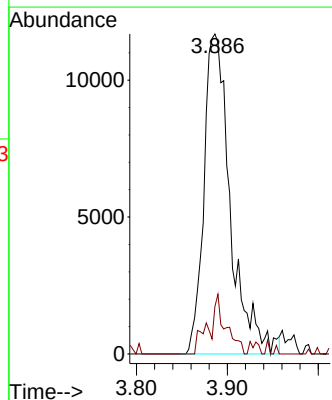
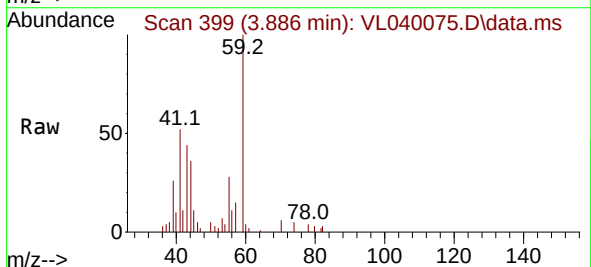
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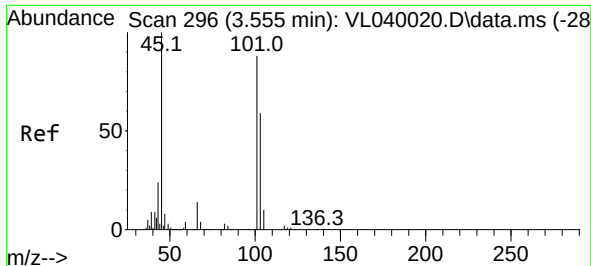
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#17
tert-Butyl alcohol
Concen: 0.145 ppbv m
RT: 3.886 min Scan# 399
Delta R.T. 0.019 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Tgt Ion: 59 Resp: 23600
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 1.529 ppbv m

RT: 3.575 min Scan# 302

Delta R.T. 0.013 min

Lab File: VL040075.D

Acq: 9 Jan 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

AP-113

Tgt Ion: 45 Resp: 12417

Ion Ratio Lower Upper

45 100

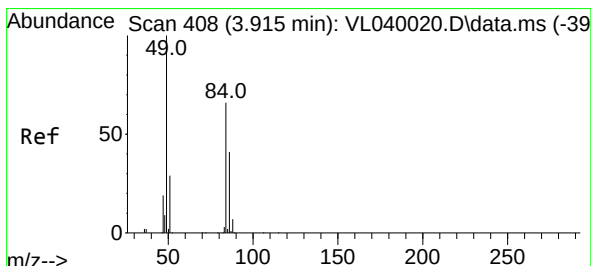
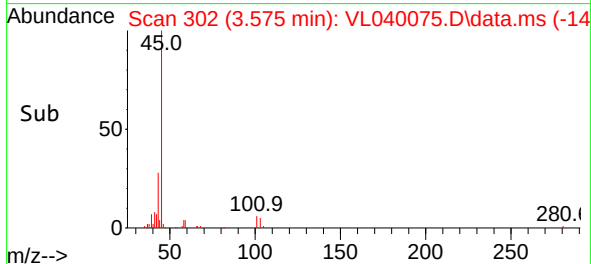
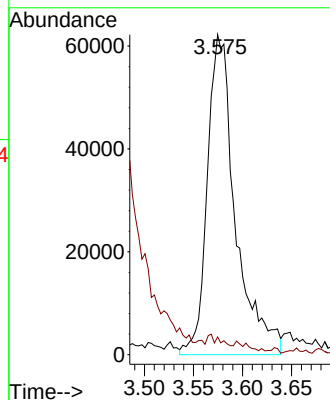
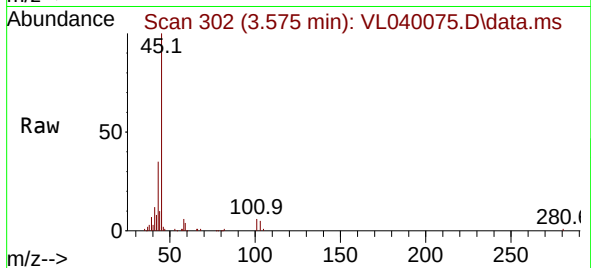
58 320.2 1.7 2.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/11/2023

Supervised By :Mahesh Dadoda 01/11/2023



#20

Methylene Chloride

Concen: 25.880 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.003 min

Lab File: VL040075.D

Acq: 9 Jan 2023 14:36

Tgt Ion: 84 Resp: 1813106

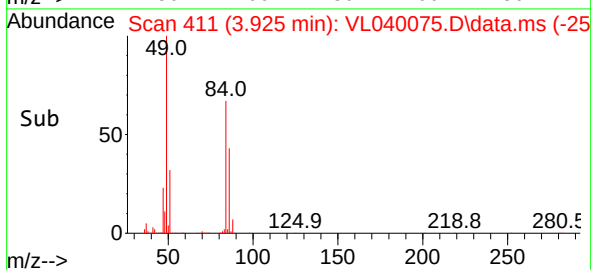
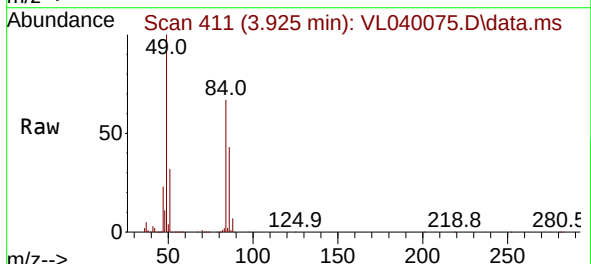
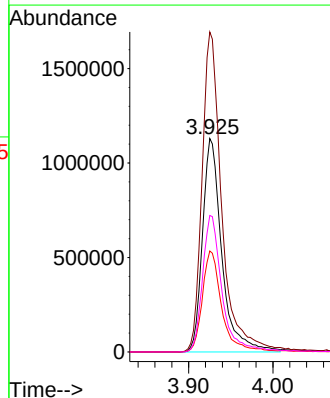
Ion Ratio Lower Upper

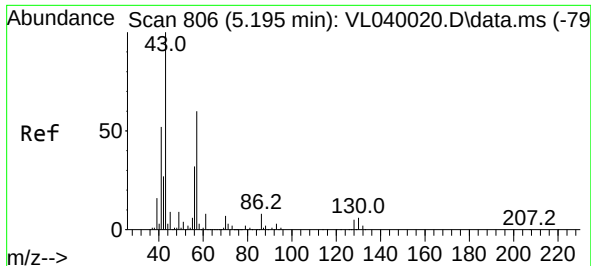
84 100

49 149.9 120.5 180.7

51 47.2 35.2 52.8

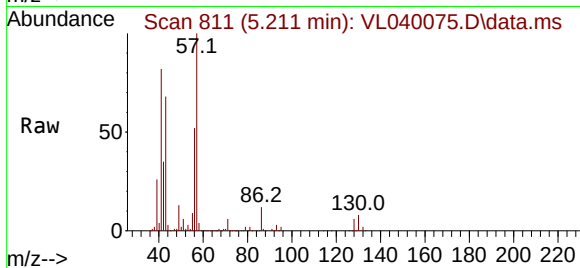
86 63.9 49.8 74.6





#26
Hexane
Concen: 17.126 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

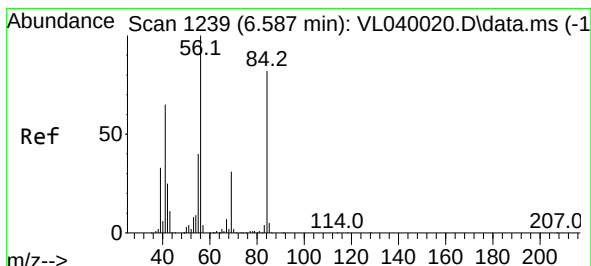
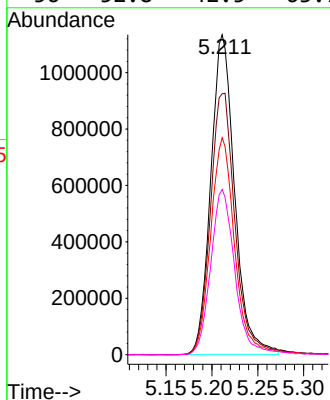
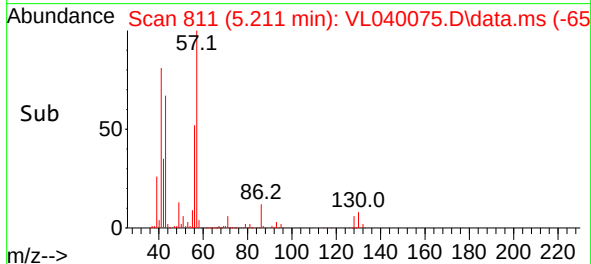
Instrument :
MSVOA_L
ClientSampleId :
AP-113



Tgt Ion: 57 Resp: 205461
Ion Ratio Lower Upper
57 100
41 86.0 72.1 108.1
43 68.9 192.1 288.1
56 52.8 42.5 63.7

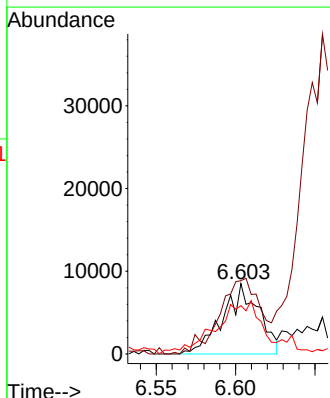
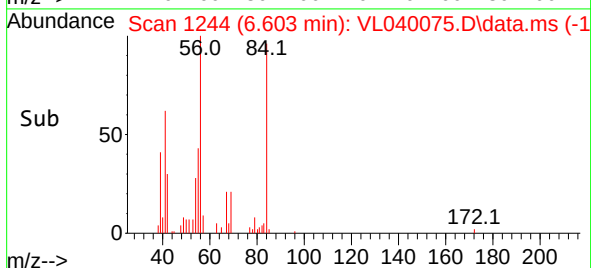
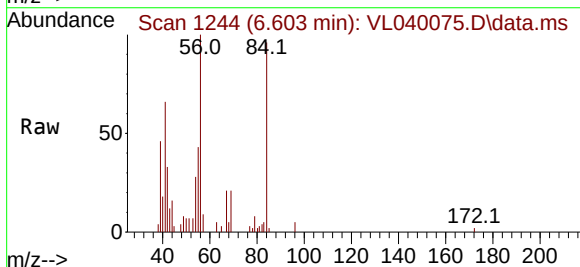
Manual Integrations
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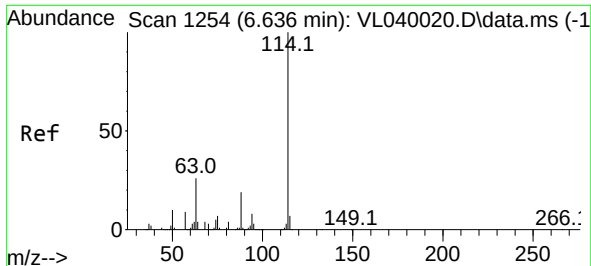
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#30
Cyclohexane
Concen: 0.127 ppbv m
RT: 6.603 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Tgt Ion: 84 Resp: 13515
Ion Ratio Lower Upper
84 100
56 112.1 110.2 165.4
41 106.7 67.8 101.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040075.D

Acq: 9 Jan 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

AP-113

Tgt Ion:114 Resp: 288553

Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.2

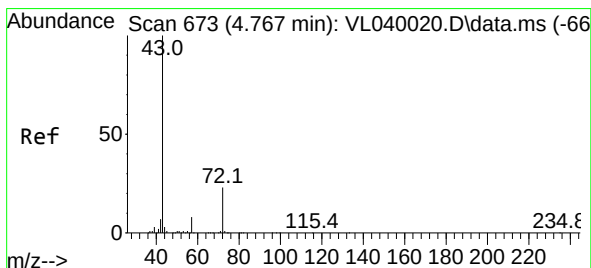
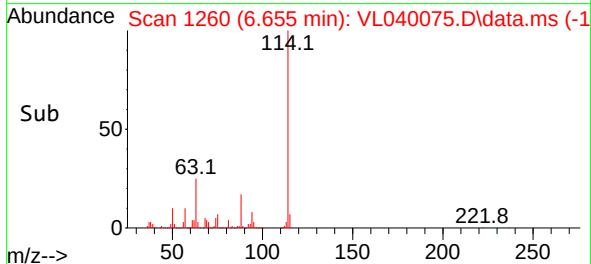
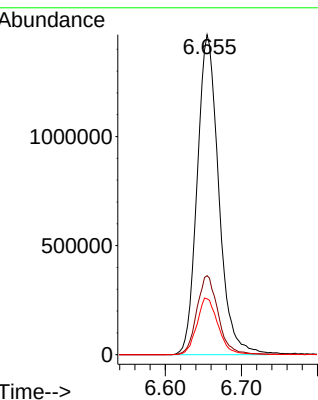
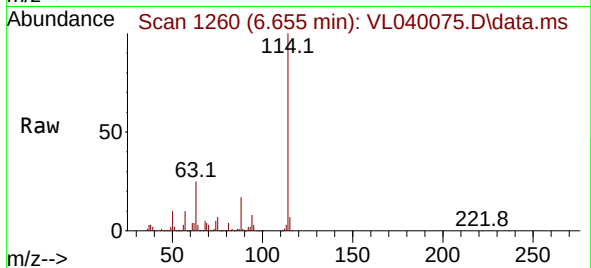
88 17.6 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/11/2023

Supervised By :Mahesh Dadoda 01/11/2023



#34

2-Butanone

Concen: 0.571 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.010 min

Lab File: VL040075.D

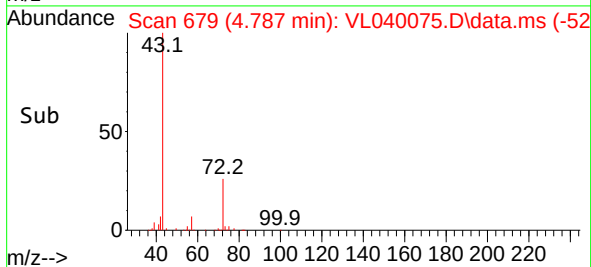
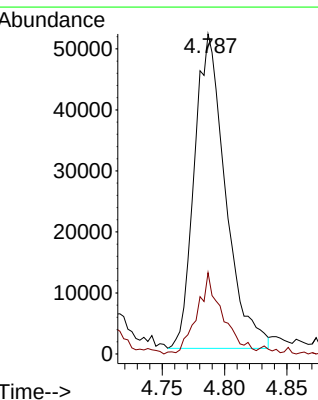
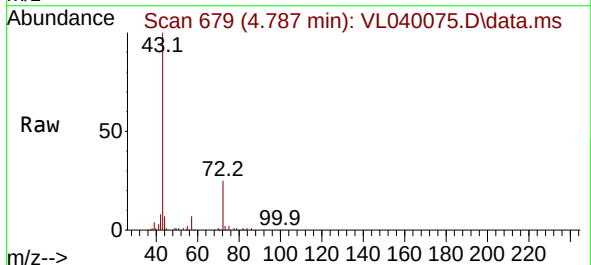
Acq: 9 Jan 2023 14:36

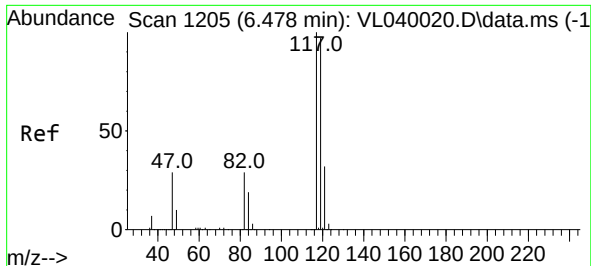
Tgt Ion: 43 Resp: 89409

Ion Ratio Lower Upper

43 100

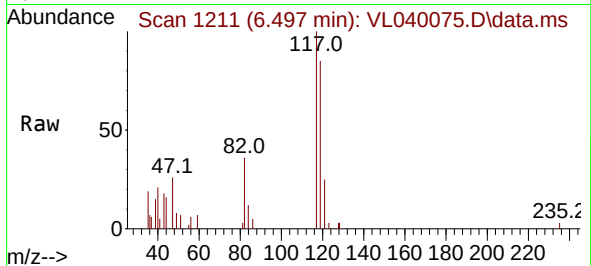
72 22.7 18.0 27.0





#35
Carbon Tetrachloride
Concen: 0.069 ppbv
RT: 6.497 min Scan# 1171
Delta R.T. 0.007 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

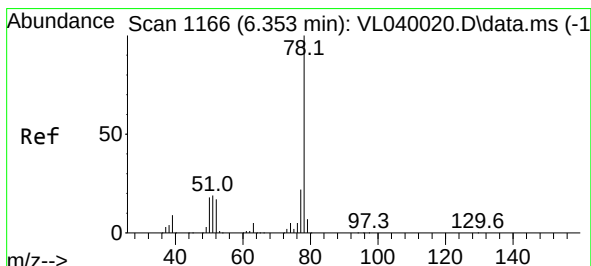
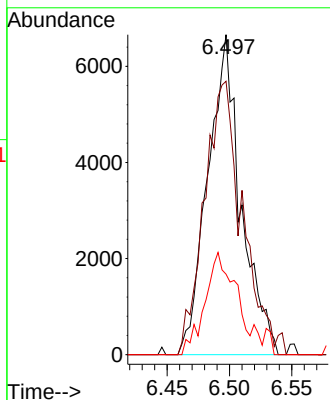
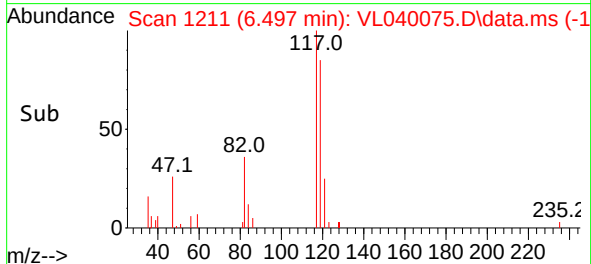
Instrument :
MSVOA_L
ClientSampleId :
AP-113



Tgt Ion: 117 Resp: 12350
Ion Ratio Lower Upper
117 100
119 85.4 77.3 115.9
121 25.1 25.4 38.0

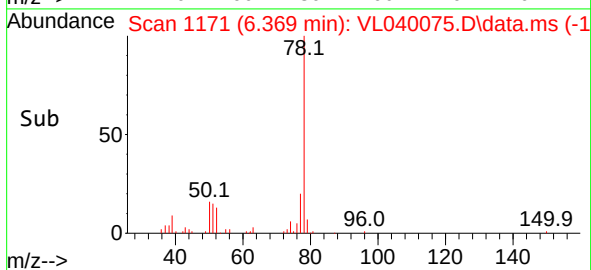
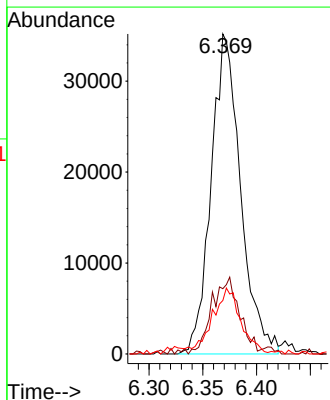
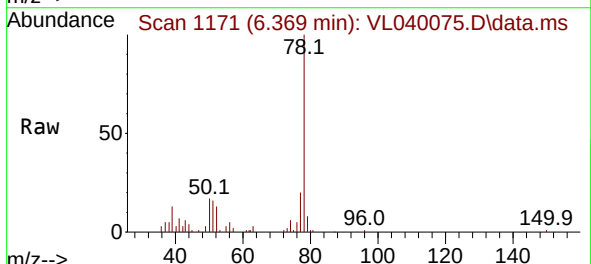
Manual Integrations
APPROVED

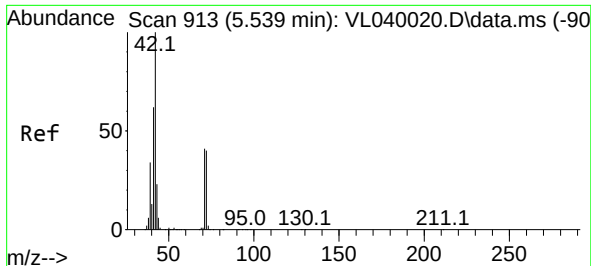
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#36
Benzene
Concen: 0.261 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

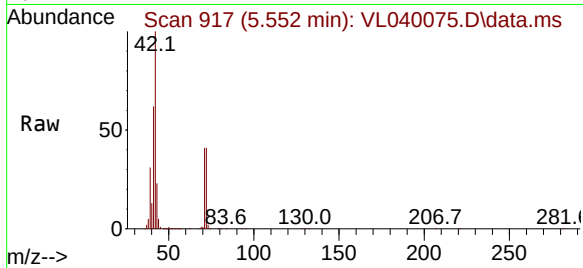
Tgt Ion: 78 Resp: 67144
Ion Ratio Lower Upper
78 100
77 19.2 17.5 26.3
50 15.9 14.2 21.2





#41
Tetrahydrofuran
Concen: 12.866 ppbv
RT: 5.552 min Scan# 913
Delta R.T. 0.000 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

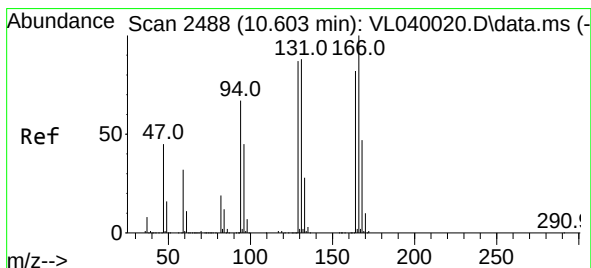
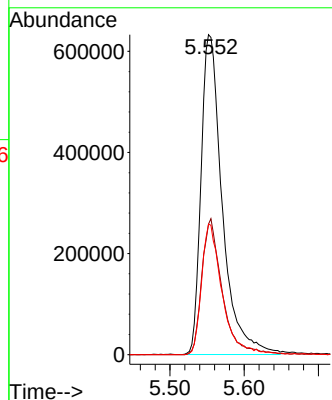
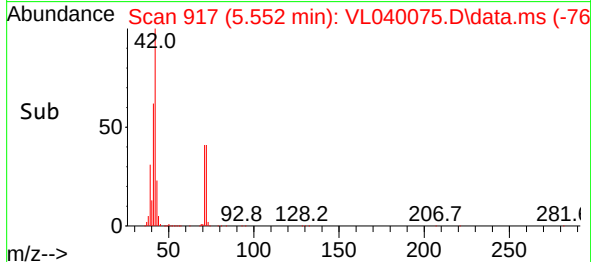
Instrument :
MSVOA_L
ClientSampleId :
AP-113



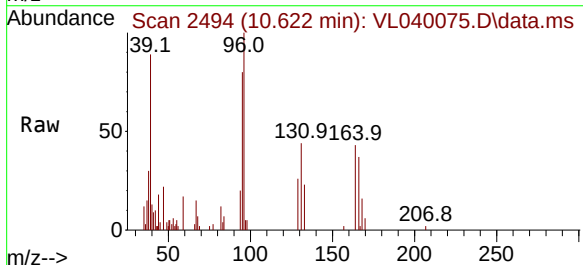
Tgt Ion: 42 Resp: 125715
Ion Ratio Lower Upper
42 100
72 41.0 32.9 49.3
71 39.9 32.2 48.2

Manual Integrations
APPROVED

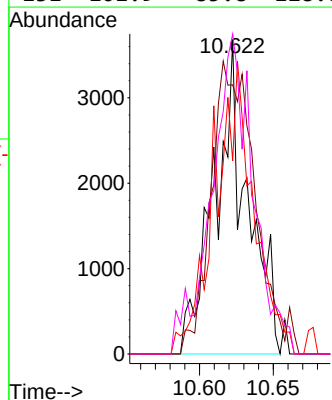
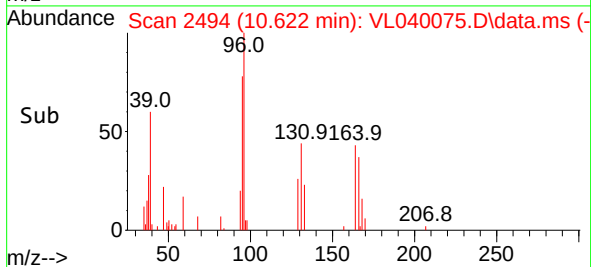
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023

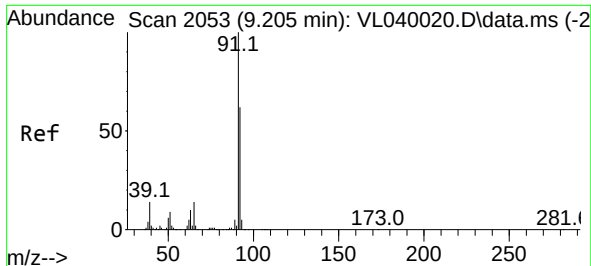


#52
Tetrachloroethene
Concen: 0.066 ppbv m
RT: 10.622 min Scan# 2494
Delta R.T. 0.000 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36



Tgt Ion:164 Resp: 5743
Ion Ratio Lower Upper
164 100
166 85.7 97.4 146.0#
129 61.5 84.3 126.5#
131 101.9 85.8 128.8





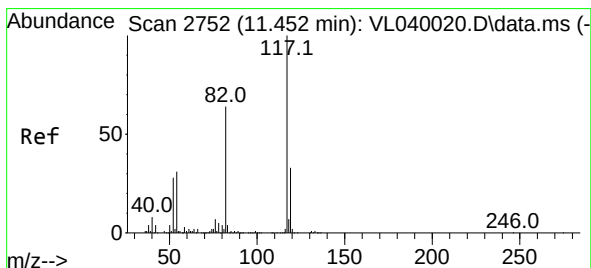
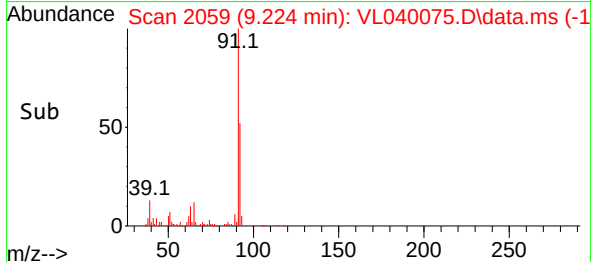
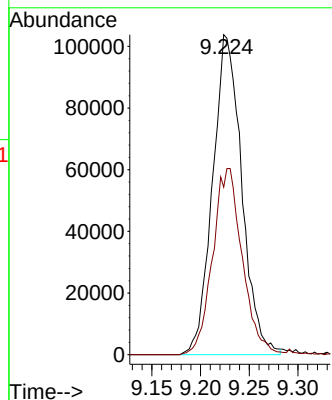
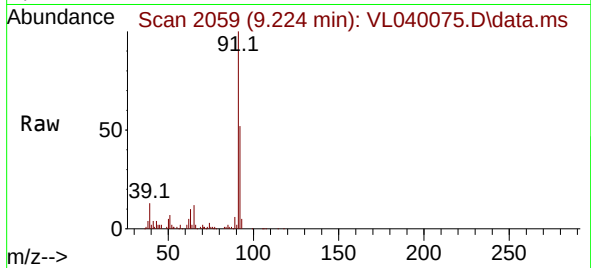
#53
Toluene
Concen: 0.755 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
AP-113

Tgt Ion: 91 Resp: 215310
Ion Ratio Lower Upper
91 100
92 59.8 48.7 73.1

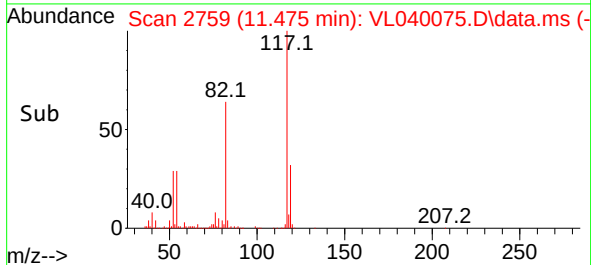
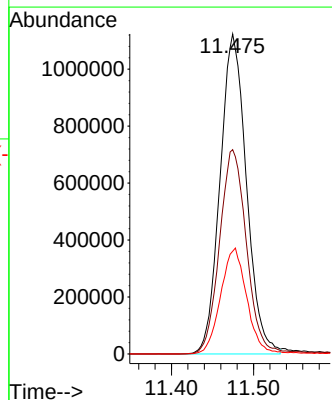
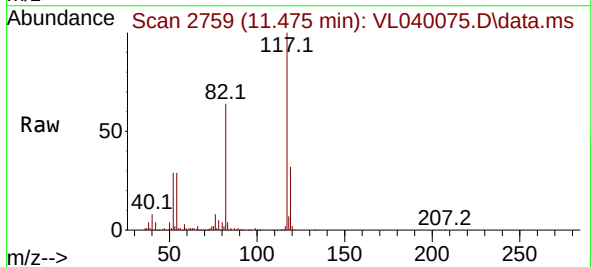
Manual Integrations
APPROVED

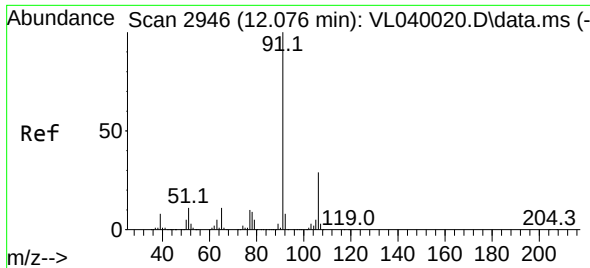
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. 0.000 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Tgt Ion:117 Resp: 2508696
Ion Ratio Lower Upper
117 100
82 66.6 51.2 76.8
119 33.2 23.2 34.8





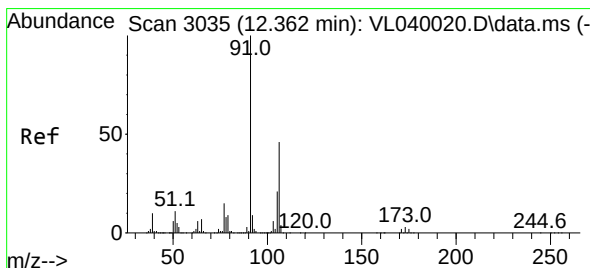
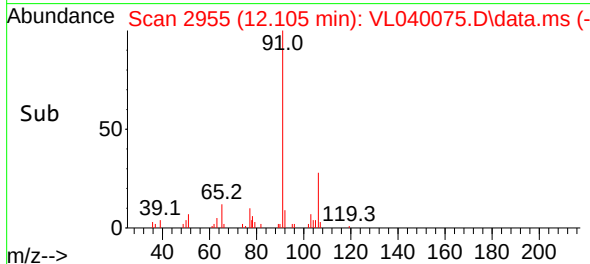
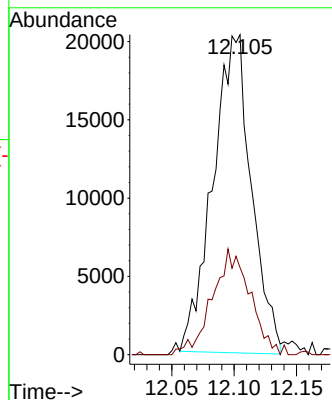
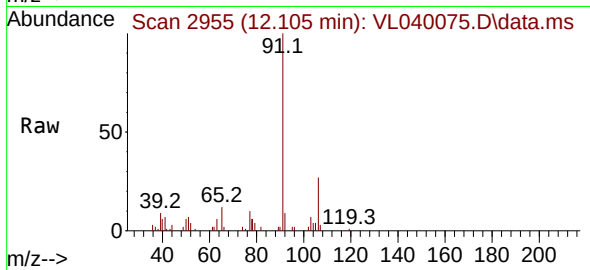
#58
Ethyl Benzene
Concen: 0.123 ppbv
RT: 12.105 min Scan# 2946
Delta R.T. 0.010 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
AP-113

Tgt Ion: 91 Resp: 4387
Ion Ratio Lower Upper
91 100
106 27.5 23.5 35.3

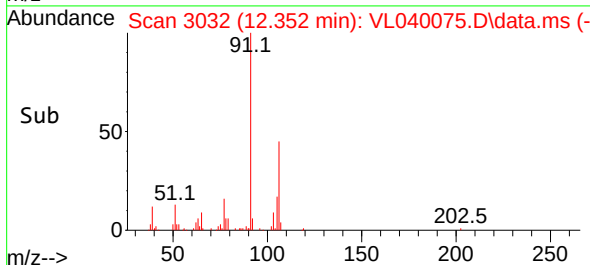
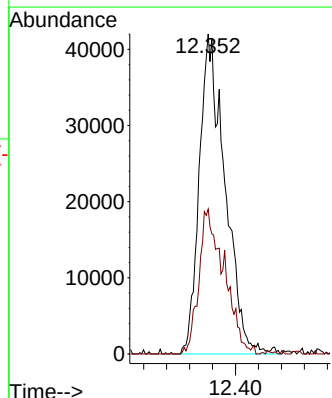
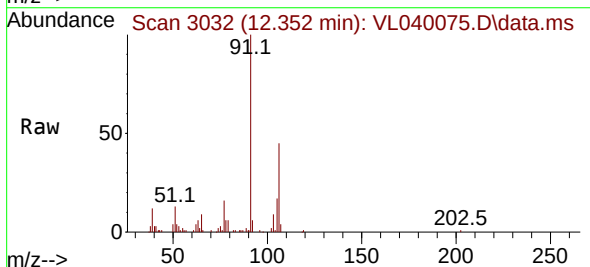
Manual Integrations
APPROVED

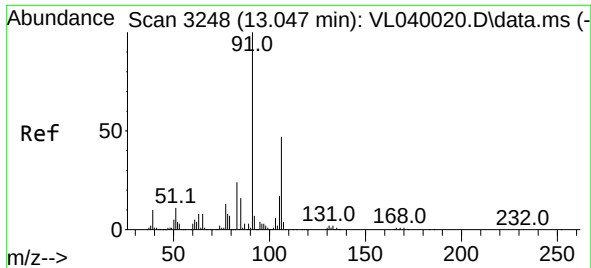
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#59
m/p-Xylene
Concen: 0.420 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. -0.026 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Tgt Ion: 91 Resp: 130521
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#





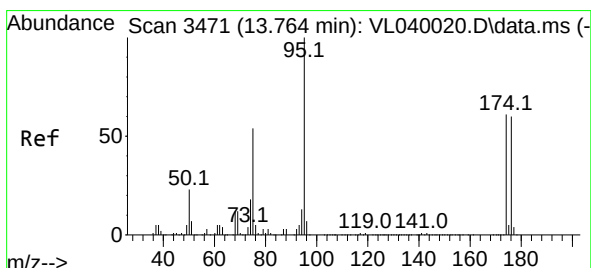
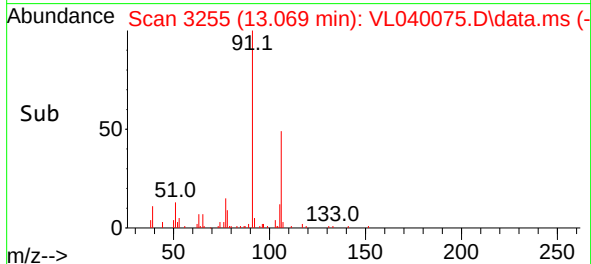
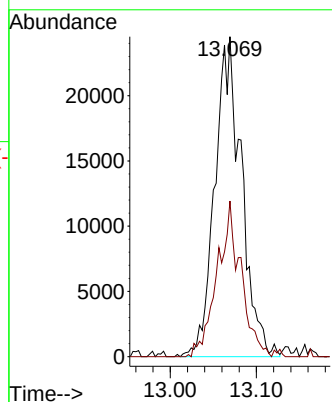
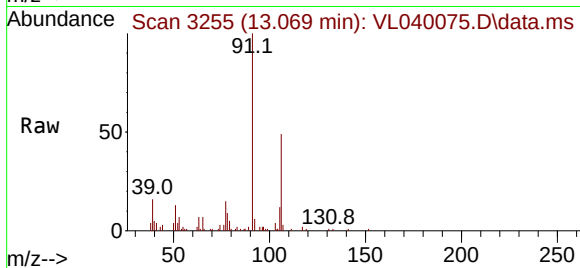
#60
o-Xylene
Concen: 0.178 ppbv m
RT: 13.069 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Instrument :
MSVOA_L
ClientSampleId :
AP-113

Tgt Ion: 91 Resp: 5289
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.0

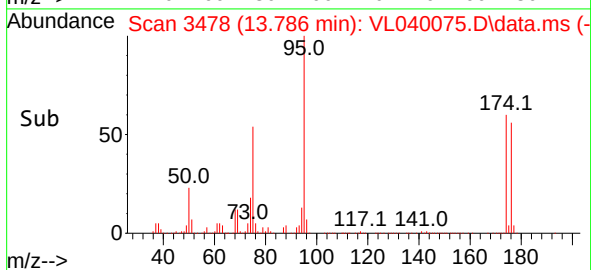
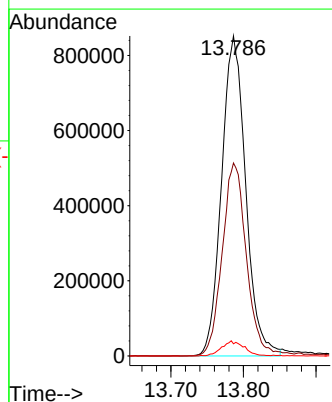
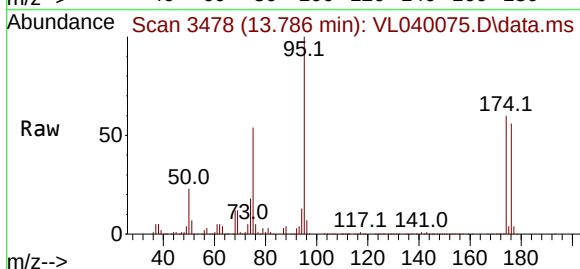
Manual Integrations
APPROVED

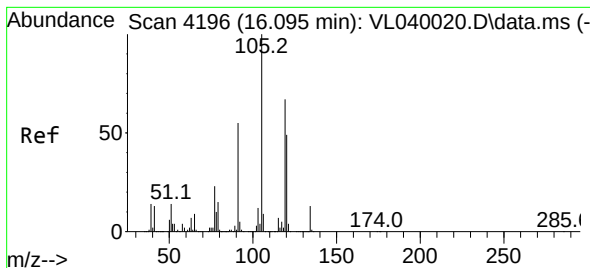
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.263 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.000 min
Lab File: VL040075.D
Acq: 9 Jan 2023 14:36

Tgt Ion: 95 Resp: 1966678
Ion Ratio Lower Upper
95 100
174 62.0 48.6 73.0
175 4.5 3.4 5.2





#74

1,2,4-Trimethylbenzene

Concen: 0.206 ppbv

RT: 16.124 min Scan# 4196

Delta R.T. 0.007 min

Lab File: VL040075.D

Acq: 9 Jan 2023 14:36

Instrument :

MSVOA_L

ClientSampleId :

AP-113

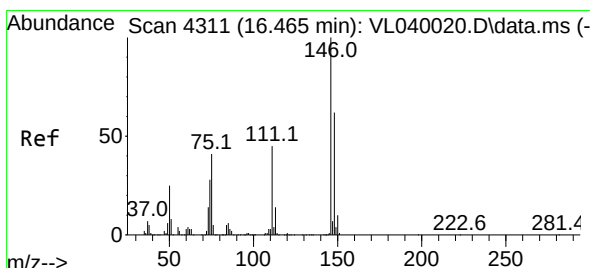
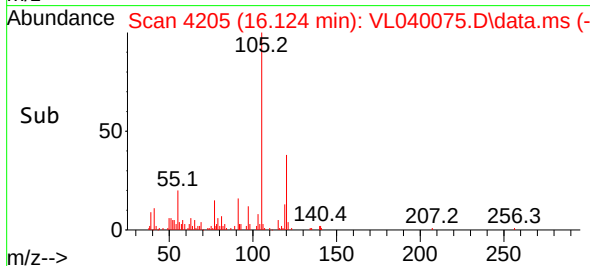
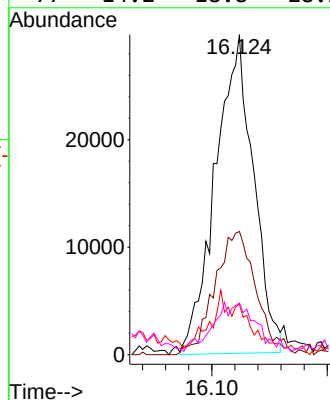
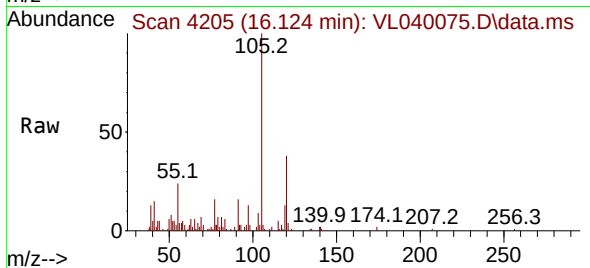
Tgt Ion:	105	Resp:	6768
Ion Ratio	Lower	Upper	
105	100		
120	38.1	39.3	58.9
91	12.5	44.2	66.4
77	14.2	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/11/2023

Supervised By :Mahesh Dadoda 01/11/2023



#76

1,4-Dichlorobenzene

Concen: 0.131 ppbv m

RT: 16.484 min Scan# 4317

Delta R.T. 0.000 min

Lab File: VL040075.D

Acq: 9 Jan 2023 14:36

Tgt Ion:	146	Resp:	22989
Ion Ratio	Lower	Upper	
146	100		
111	53.7	23.4	70.2
148	65.4	32.0	96.2

