

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
 Data File : VL040074.D
 Acq On : 9 Jan 2023 13:55
 Operator : SY/MD
 Sample : 01074-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-110

Manual Integrations
 APPROVED

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

Quant Time: Jan 10 00:26:31 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

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	5.189	49	1107933	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3187739	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2847124	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2274801	10.460	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	24542	0.118	ppbv	99
4) Chloromethane	2.806	50	10663	0.104	ppbv #	87
9) Propene	2.690	41	23153m	0.334	ppbv	
13) Ethanol	3.240	45	73251m	11.219	ppbv	
15) Acetone	3.468	43	225552	1.316	ppbv	98
19) Isopropyl Alcohol	3.584	45	31847m	0.377	ppbv	
20) Methylene Chloride	3.928	84	218756	3.003	ppbv	95
26) Hexane	5.214	57	254227	2.038	ppbv #	38
34) 2-Butanone	4.799	43	23744m	0.137	ppbv	
35) Carbon Tetrachloride	6.500	117	8573m	0.043	ppbv	
36) Benzene	6.365	78	28952	0.102	ppbv	99
38) Trichloroethene	7.295	130	4992m	0.034	ppbv	
41) Tetrahydrofuran	5.587	42	30039m	0.278	ppbv	
52) Tetrachloroethene	10.629	164	3971m	0.041	ppbv	
53) Toluene	9.224	91	59766	0.190	ppbv	100
59) m/p-Xylene	12.352	91	40244m	0.114	ppbv	

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

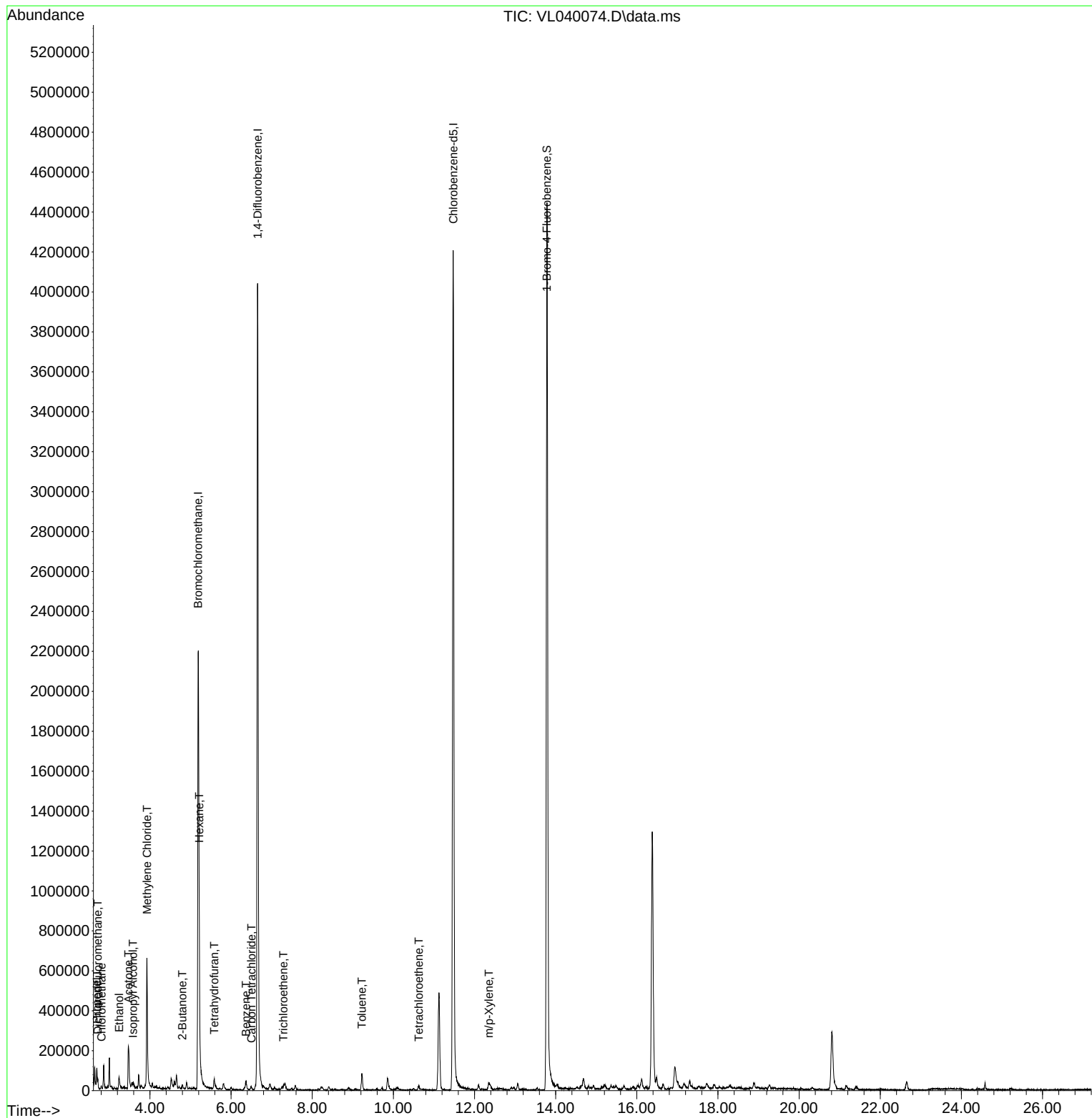
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
Data File : VL040074.D
Acq On : 9 Jan 2023 13:55
Operator : SY/MD
Sample : 01074-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

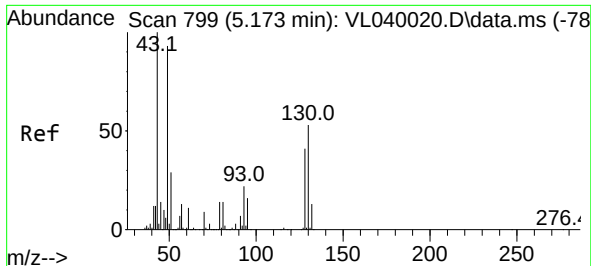
Instrument :
MSVOA_L
ClientSampleId :
AP-110

Quant Time: Jan 10 00:26:31 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
APPROVED

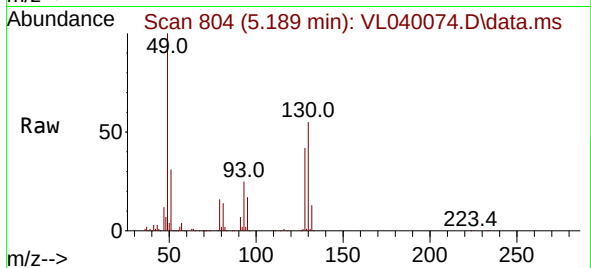
Reviewed By : Semsettin Yesilyurt 01/11/2023
Supervised By : Mahesh Dadoda 01/11/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

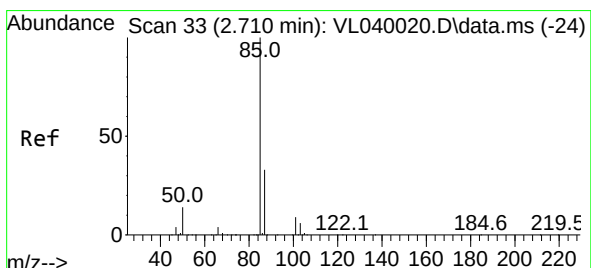
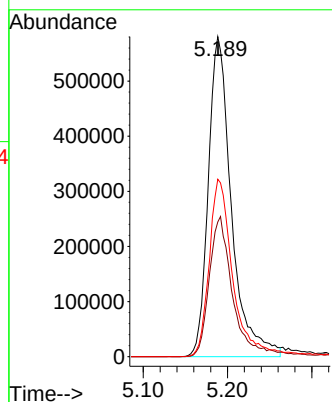
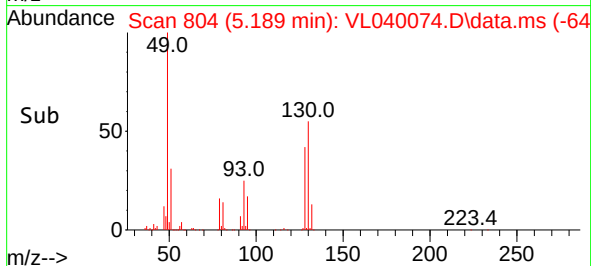
Instrument :
MSVOA_L
ClientSampleId :
AP-110



Tgt Ion: 49 Resp: 110793
Ion Ratio Lower Upper
49 100
128 45.8 22.4 67.3
130 58.8 28.9 86.8

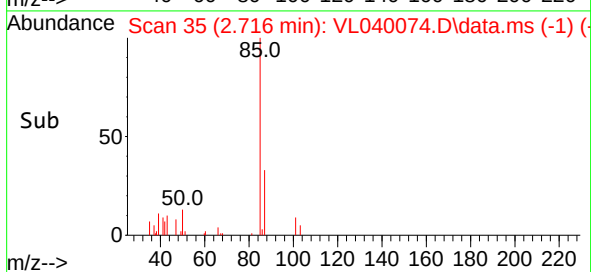
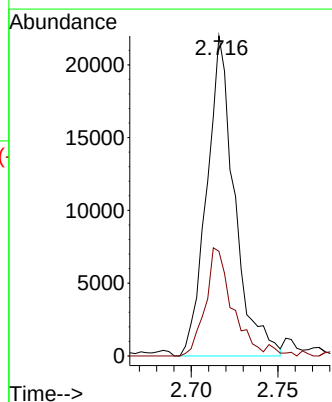
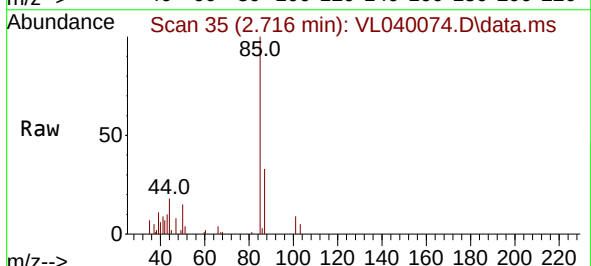
Manual Integrations
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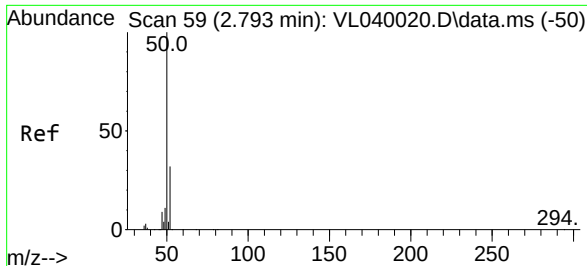
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#2
Dichlorodifluoromethane
Concen: 0.118 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

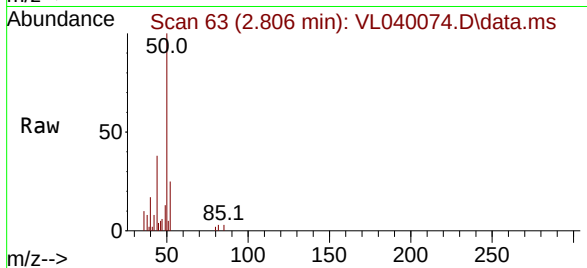
Tgt Ion: 85 Resp: 24542
Ion Ratio Lower Upper
85 100
87 32.7 26.6 40.0





#4
Chloromethane
Concen: 0.104 ppbv
RT: 2.806 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

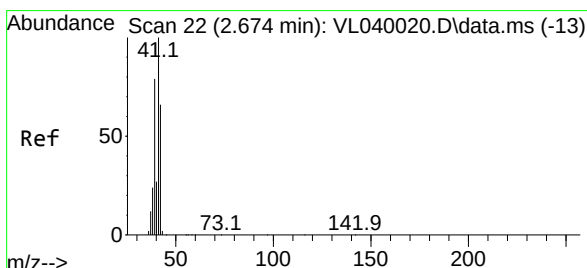
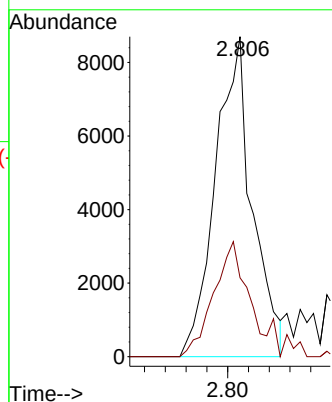
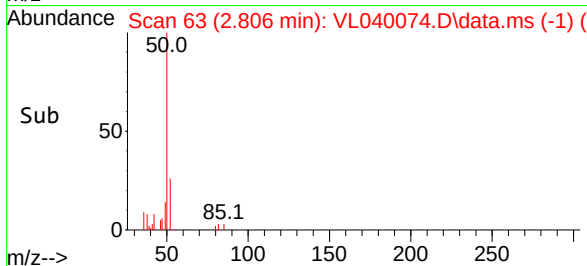
Instrument :
MSVOA_L
ClientSampleId :
AP-110



Tgt Ion: 50 Resp: 1066
Ion Ratio Lower Upper
50 100
52 24.6 25.5 38.3

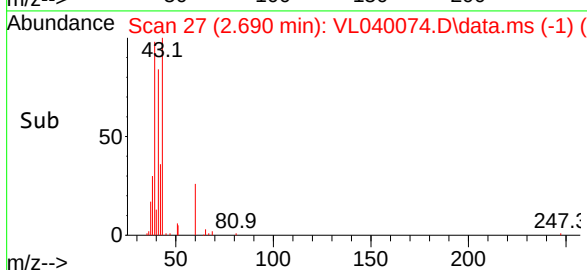
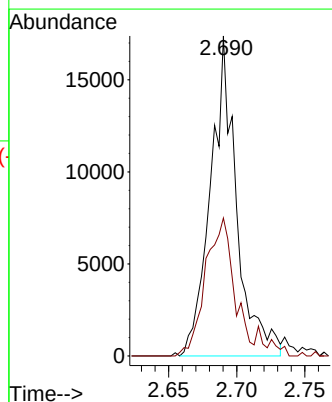
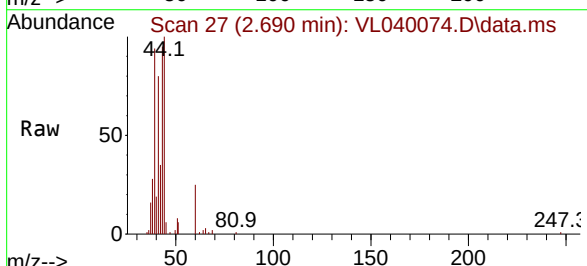
Manual Integrations
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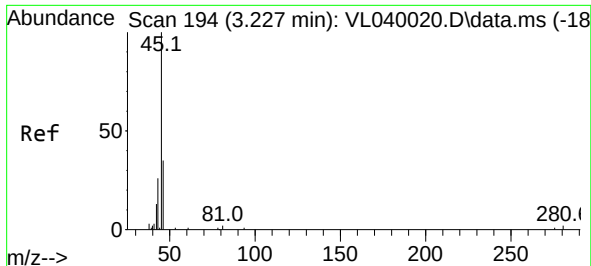
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#9
Propene
Concen: 0.334 ppbv m
RT: 2.690 min Scan# 27
Delta R.T. 0.013 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

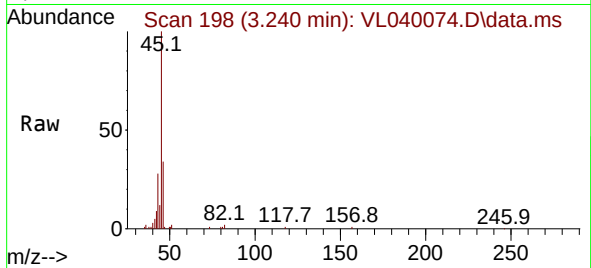
Tgt Ion: 41 Resp: 23153
Ion Ratio Lower Upper
41 100
42 51.8 54.8 82.2





#13
Ethanol
Concen: 11.219 ppbv m
RT: 3.240 min Scan# 194
Delta R.T. 0.013 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

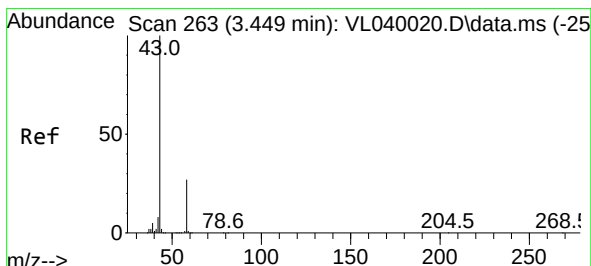
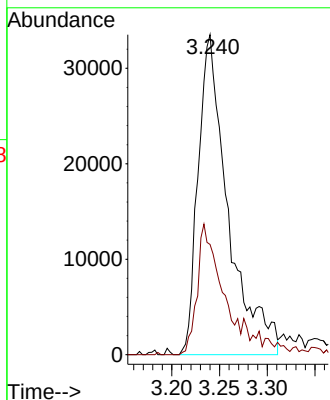
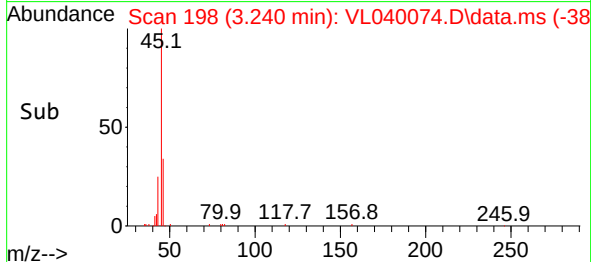
Instrument :
MSVOA_L
ClientSampleId :
AP-110



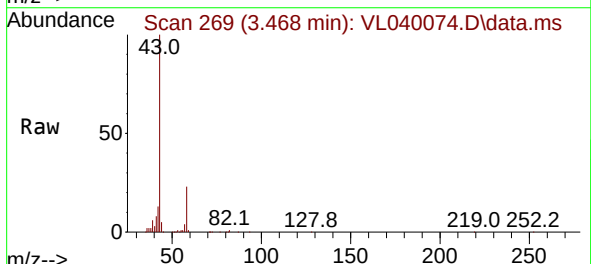
Tgt Ion: 45 Resp: 7325
Ion Ratio Lower Upper
45 100
46 40.7 13.7 54.7

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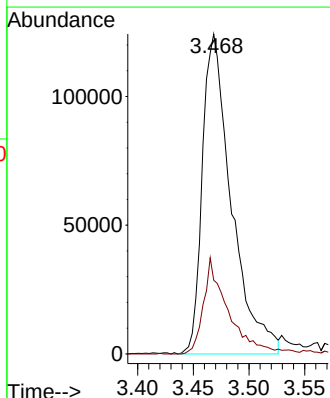
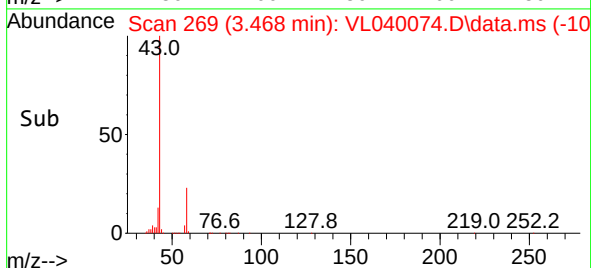
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023

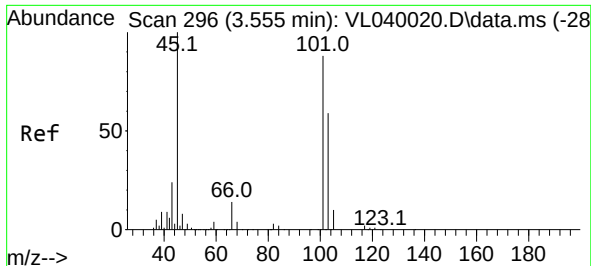


#15
Acetone
Concen: 1.316 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.013 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55



Tgt Ion: 43 Resp: 225552
Ion Ratio Lower Upper
43 100
58 26.5 21.8 32.8





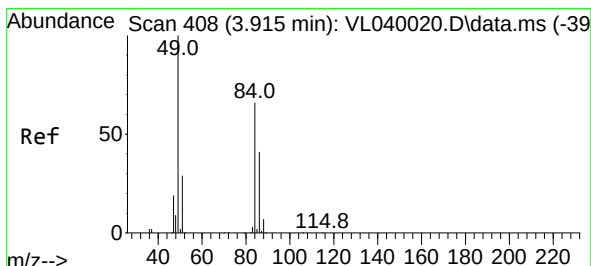
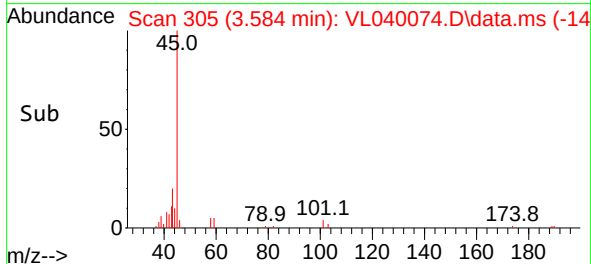
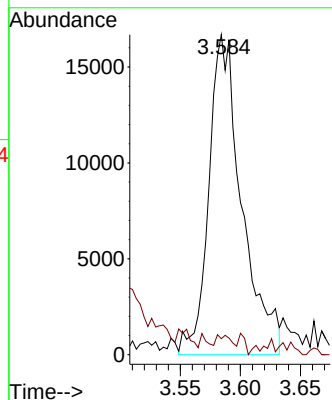
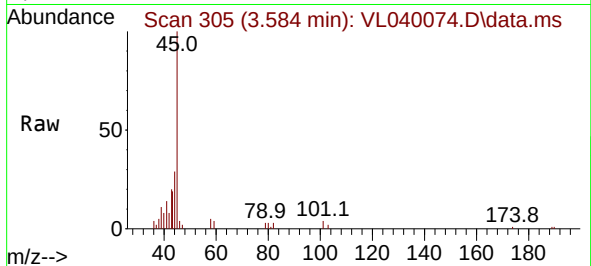
#19
Isopropyl Alcohol
Concen: 0.377 ppbv m
RT: 3.584 min Scan# 305
Delta R.T. 0.022 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

Instrument :
MSVOA_L
ClientSampleId :
AP-110

Tgt Ion: 45 Resp: 3184
Ion Ratio Lower Upper
45 100
58 0.0 1.7 2.5

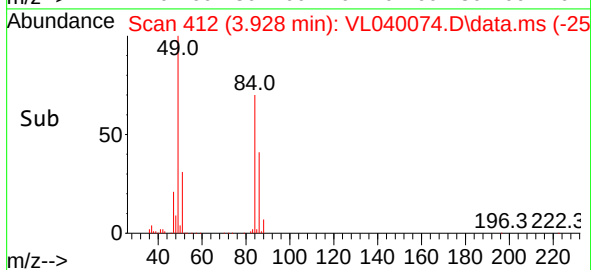
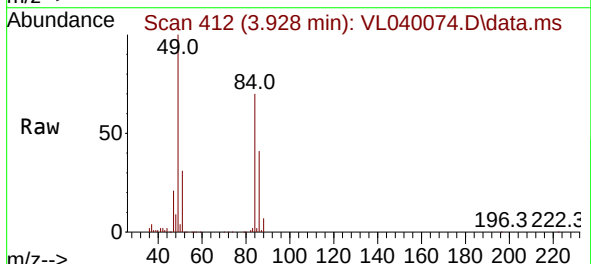
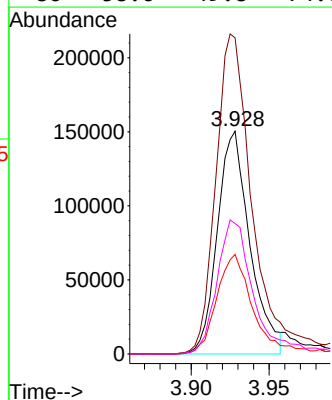
Manual Integrations
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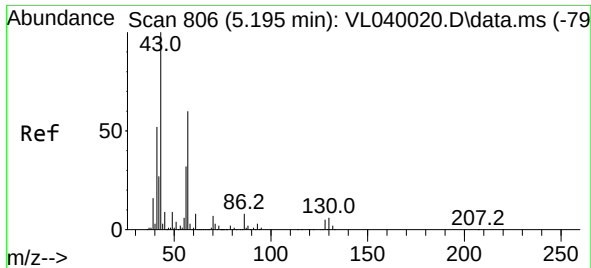
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#20
Methylene Chloride
Concen: 3.003 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.006 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

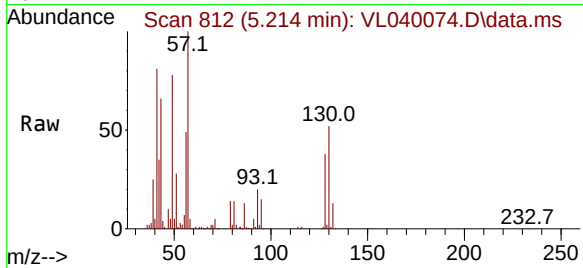
Tgt Ion: 84 Resp: 218756
Ion Ratio Lower Upper
84 100
49 141.6 120.5 180.7
51 44.4 35.2 52.8
86 58.6 49.8 74.6





#26
Hexane
Concen: 2.038 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

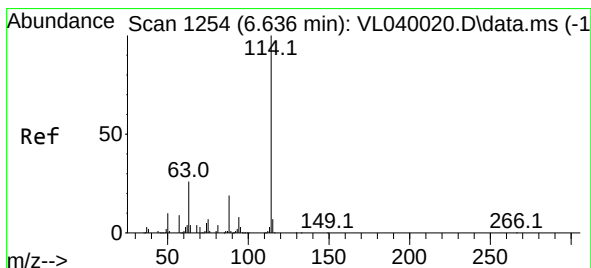
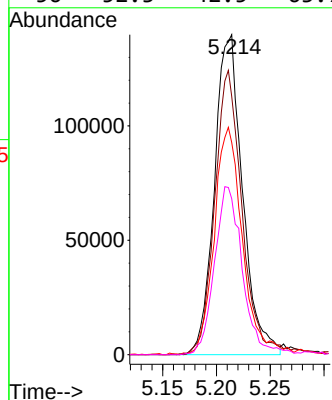
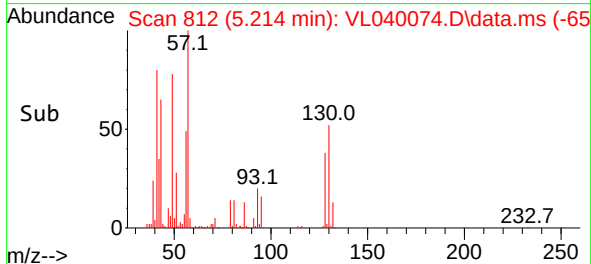
Instrument :
MSVOA_L
ClientSampleId :
AP-110



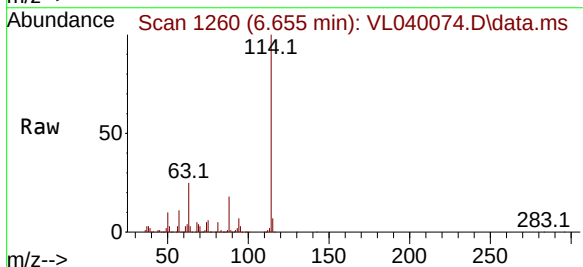
Tgt Ion: 57 Resp: 254227
Ion Ratio Lower Upper
57 100
41 88.1 72.1 108.1
43 72.8 192.1 288.1
56 52.3 42.5 63.7

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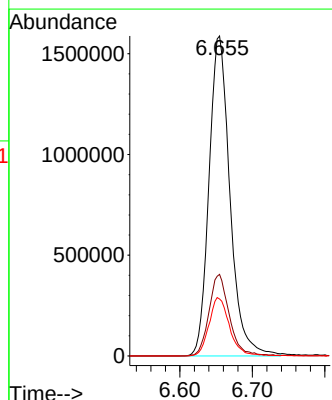
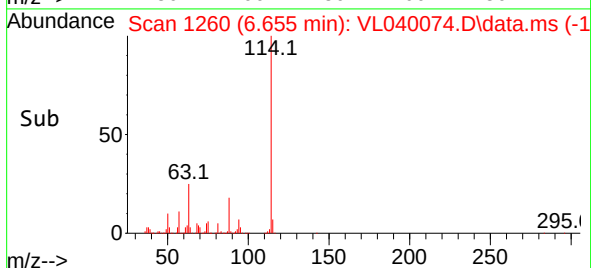
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023

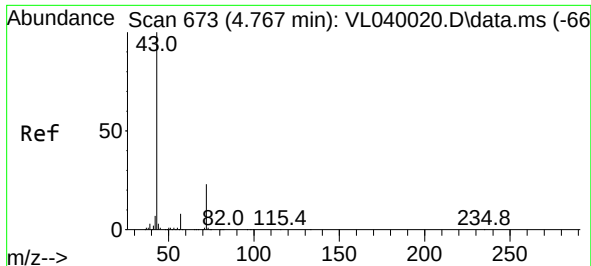


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55



Tgt Ion:114 Resp: 3187739
Ion Ratio Lower Upper
114 100
63 25.0 20.2 30.2
88 18.0 14.6 21.8





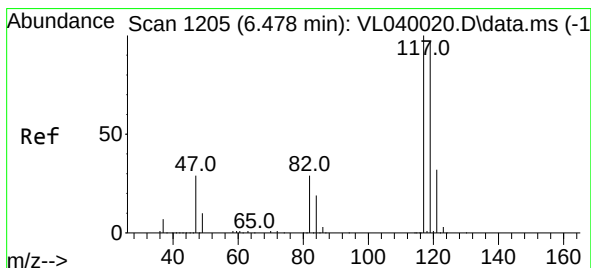
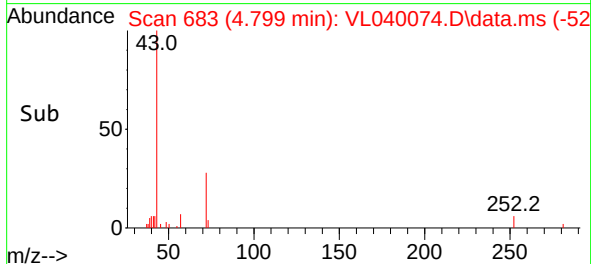
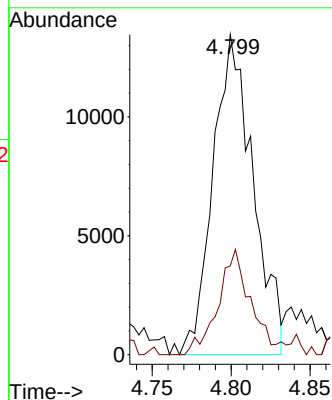
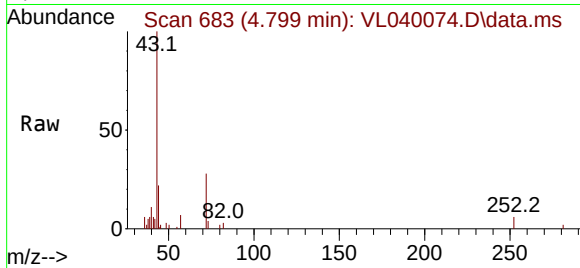
#34
2-Butanone
Concen: 0.137 ppbv m
RT: 4.799 min Scan# 61
Delta R.T. 0.022 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

Instrument :
MSVOA_L
ClientSampleId :
AP-110

Tgt Ion: 43 Resp: 23744
Ion Ratio Lower Upper
43 100
72 28.8 18.0 27.0

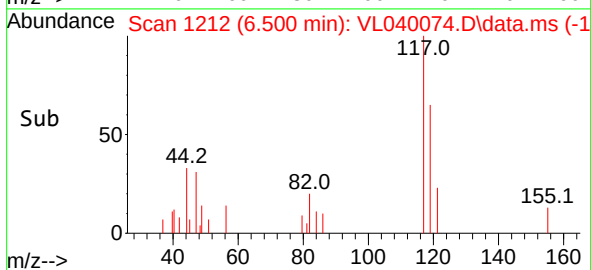
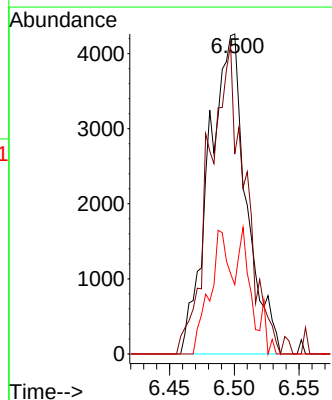
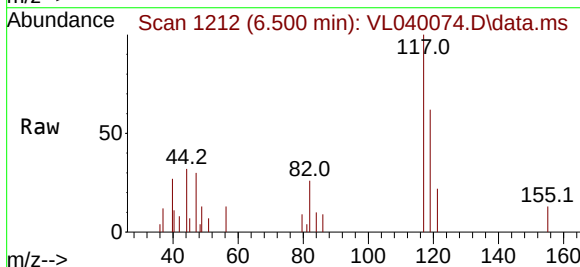
Manual Integrations
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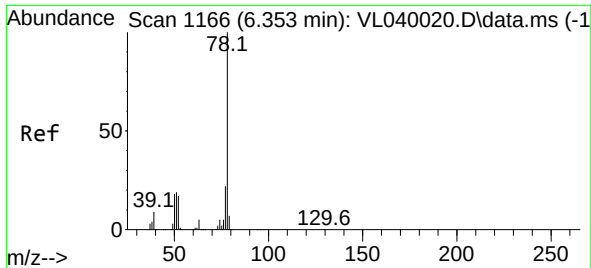
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#35
Carbon Tetrachloride
Concen: 0.043 ppbv m
RT: 6.500 min Scan# 1212
Delta R.T. 0.010 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

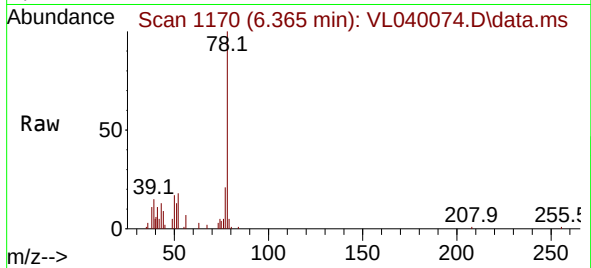
Tgt Ion:117 Resp: 8573
Ion Ratio Lower Upper
117 100
119 62.4 77.3 115.9#
121 21.6 25.4 38.0#





#36
Benzene
Concen: 0.102 ppbv
RT: 6.365 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

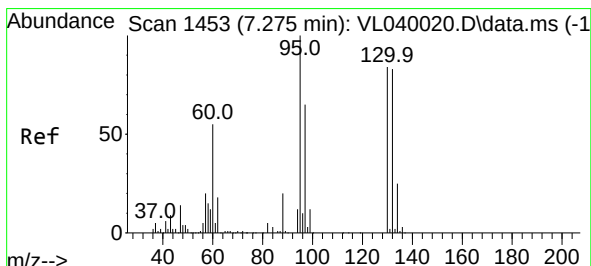
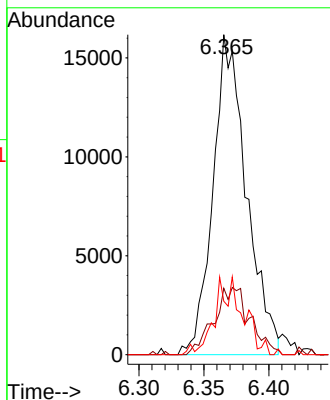
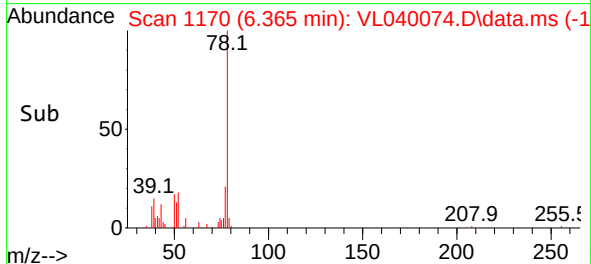
Instrument :
MSVOA_L
ClientSampleId :
AP-110



Tgt Ion: 78 Resp: 28952
Ion Ratio Lower Upper
78 100
77 21.4 17.5 26.3
50 17.2 14.2 21.2

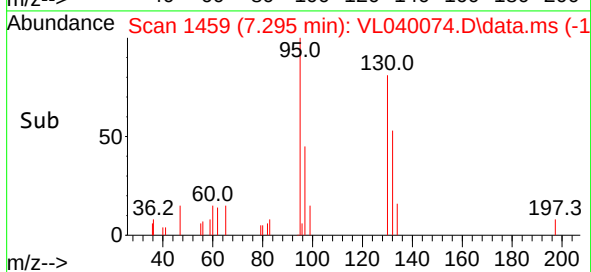
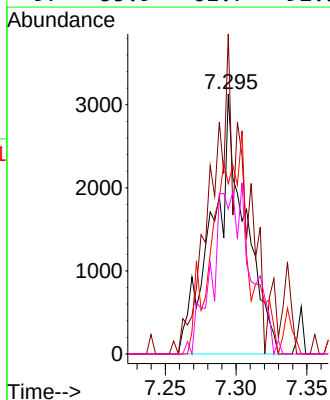
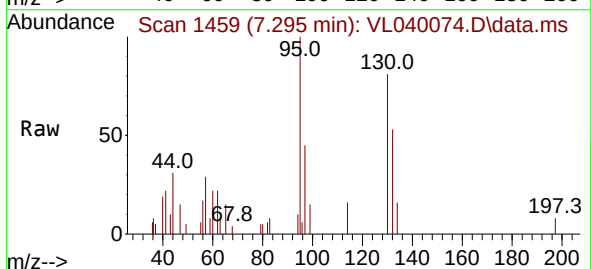
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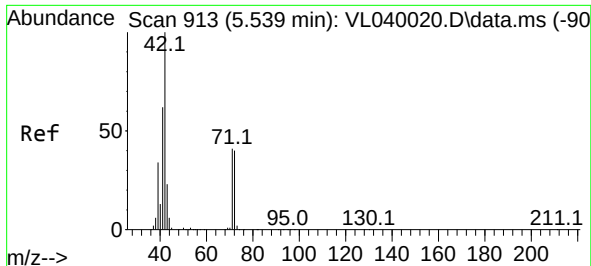
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 7.295 min Scan# 1459
Delta R.T. 0.003 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

Tgt Ion:130 Resp: 4992
Ion Ratio Lower Upper
130 100
95 123.3 94.8 142.2
132 65.6 78.2 117.4#
97 55.9 61.7 92.5#





#41

Tetrahydrofuran

Concen: 0.278 ppbv m

RT: 5.587 min Scan# 913

Delta R.T. 0.035 min

Lab File: VL040074.D

Acq: 9 Jan 2023 13:55

Instrument :

MSVOA_L

ClientSampleId :

AP-110

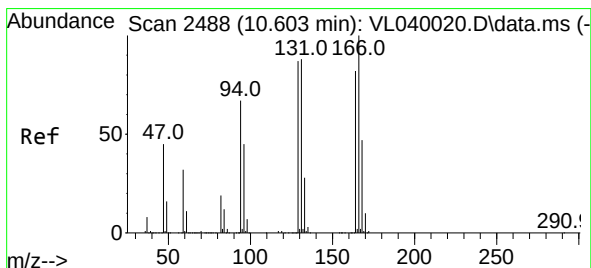
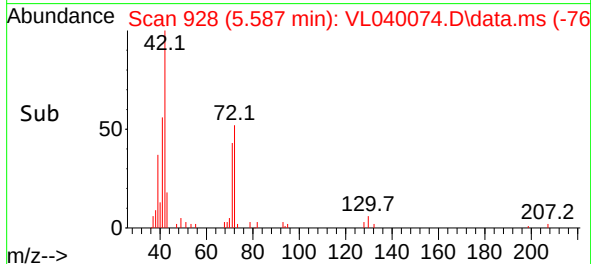
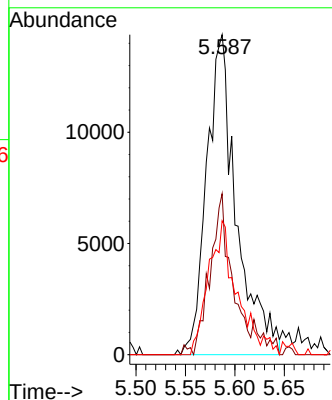
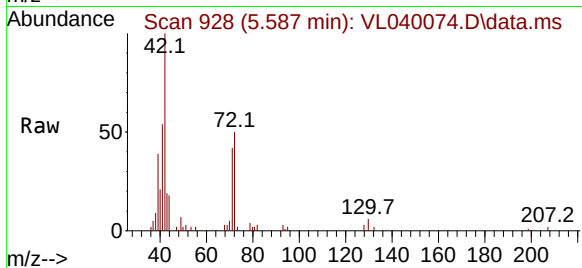
Tgt Ion: 42 Resp: 3003

Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.9	49.3
71	41.9	32.2	48.2

Manual Integrations

APPROVED

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



#52

Tetrachloroethene

Concen: 0.041 ppbv m

RT: 10.629 min Scan# 2496

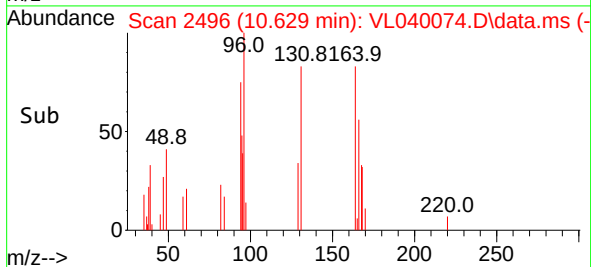
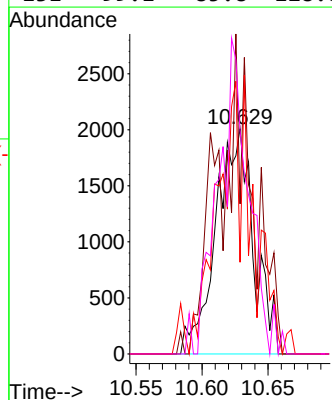
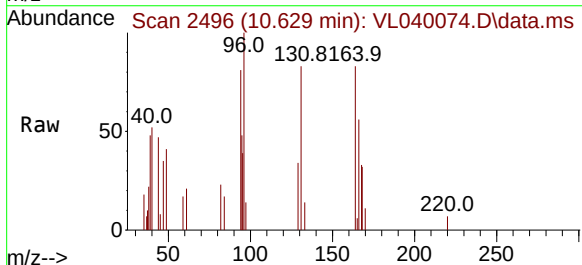
Delta R.T. 0.006 min

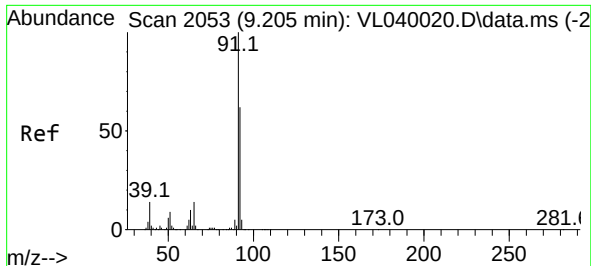
Lab File: VL040074.D

Acq: 9 Jan 2023 13:55

Tgt Ion:164 Resp: 3971

Ion	Ratio	Lower	Upper
164	100		
166	66.6	97.4	146.0#
129	40.7	84.3	126.5#
131	99.1	85.8	128.8





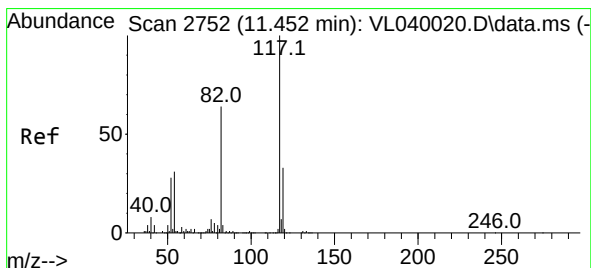
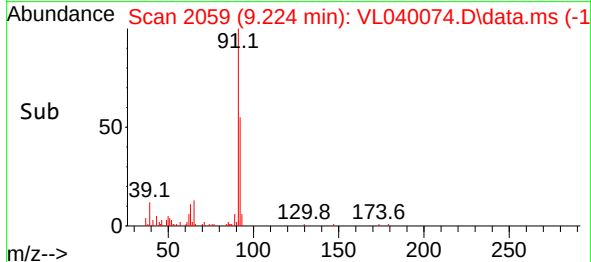
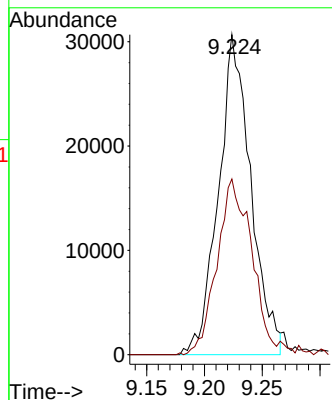
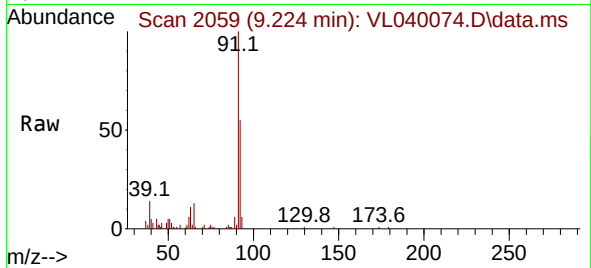
#53
Toluene
Concen: 0.190 ppbv
RT: 9.224 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

Instrument :
MSVOA_L
ClientSampleId :
AP-110

Tgt Ion: 91 Resp: 59760
Ion Ratio Lower Upper
91 100
92 60.8 48.7 73.1

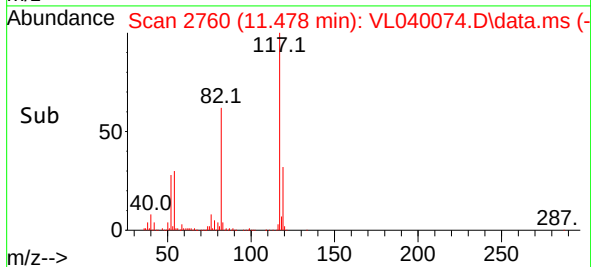
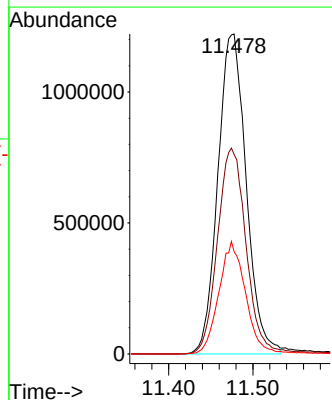
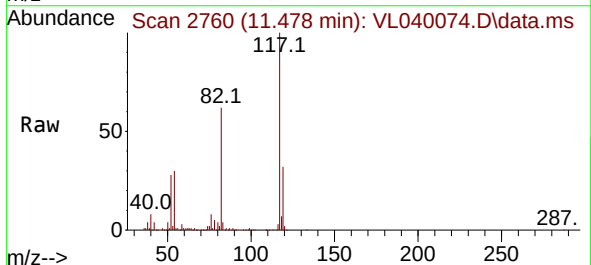
Manual Integrations
APPROVED

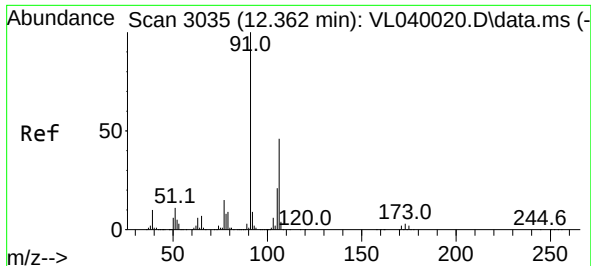
Reviewed By :Semsettin Yesilyurt 01/11/2023
Supervised By :Mahesh Dadoda 01/11/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.003 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

Tgt Ion:117 Resp: 2847124
Ion Ratio Lower Upper
117 100
82 65.9 51.2 76.8
119 33.6 23.2 34.8





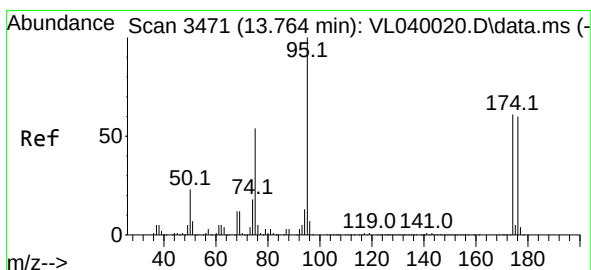
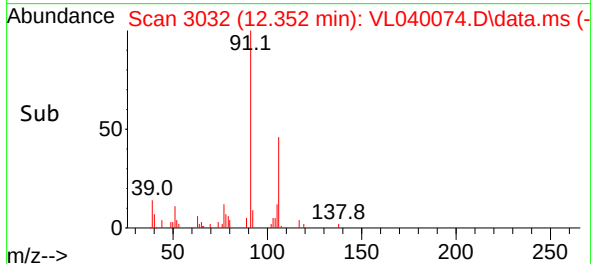
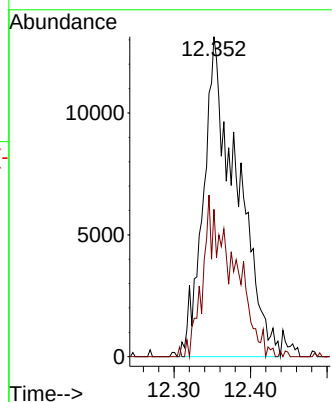
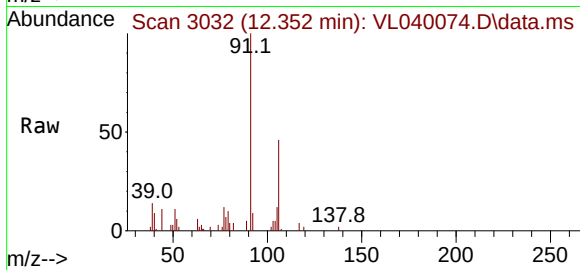
#59
m/p-Xylene
Concen: 0.114 ppbv m
RT: 12.352 min Scan# 3035
Delta R.T. -0.026 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

Instrument :
MSVOA_L
ClientSampleId :
AP-110

Tgt Ion: 91 Resp: 40244
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.460 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. -0.000 min
Lab File: VL040074.D
Acq: 9 Jan 2023 13:55

Tgt Ion: 95 Resp: 2274801
Ion Ratio Lower Upper
95 100
174 62.8 48.6 73.0
175 4.5 3.4 5.2

