

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040270.D
 Acq On : 13 Mar 2023 18:26
 Operator : SY/MD
 Sample : 01897-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENT-FRONTDUP

Quant Time: Mar 14 04:55:26 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 : Tue Mar 14 04:52:39 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/14/2023
 Supervised By : Mahesh Dadoda 03/15/2023

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

Internal Standards						
1) Bromochloromethane	5.192	49	843211	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2051388	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1772664	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1480232	10.155	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	56941	0.362	ppbv	97
3) Chlorodifluoromethane	2.665	51	36613m	0.363	ppbv	
4) Chloromethane	2.803	50	27941	0.442	ppbv	94
9) Propene	2.700	41	36189m	0.881	ppbv	
11) Trichlorofluoromethane	3.559	101	31961	0.227	ppbv	94
13) Ethanol	3.231	45	312061m	82.557	ppbv	
15) Acetone	3.462	43	948254	9.341	ppbv	99
17) tert-Butyl alcohol	3.896	59	13840m	0.149	ppbv	
19) Isopropyl Alcohol	3.581	45	40868	0.847	ppbv #	1
20) Methylene Chloride	3.931	84	479964	9.082	ppbv	99
26) Hexane	5.211	57	267334	3.300	ppbv #	40
34) 2-Butanone	4.790	43	265979	2.628	ppbv	98
35) Carbon Tetrachloride	6.500	117	10562m	0.087	ppbv	
36) Benzene	6.375	78	23216	0.145	ppbv #	85
41) Tetrahydrofuran	5.574	42	54634	0.932	ppbv	96
52) Tetrachloroethene	10.632	164	1866m	0.037	ppbv	
53) Toluene	9.234	91	703242	4.113	ppbv	98
58) Ethyl Benzene	12.105	91	860270	3.994	ppbv	99
59) m/p-Xylene	12.359	91	2215989	11.616	ppbv	98
60) o-Xylene	13.073	91	341236	1.859	ppbv	99

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

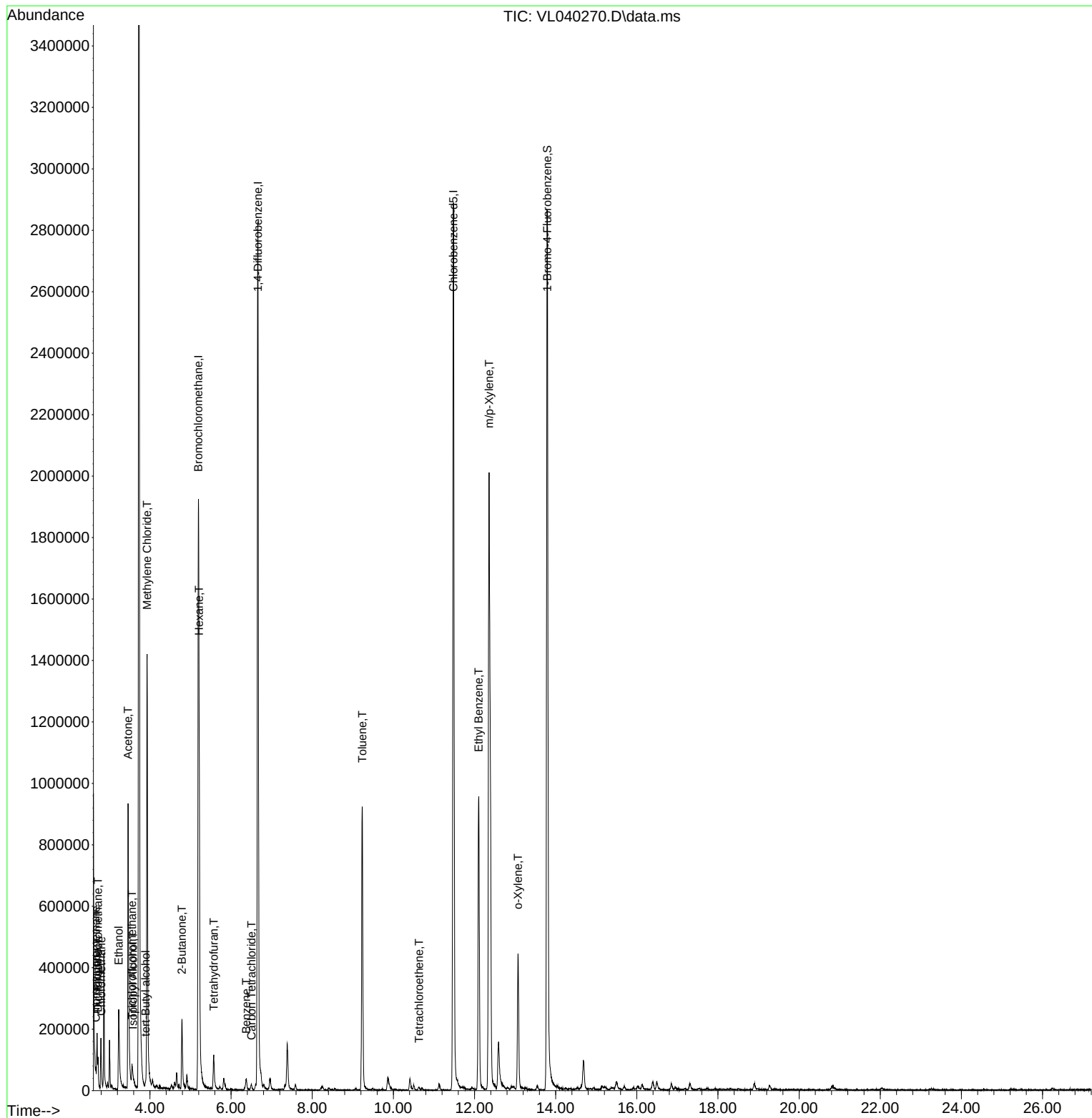
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
Data File : VL040270.D
Acq On : 13 Mar 2023 18:26
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Sample : 01897-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

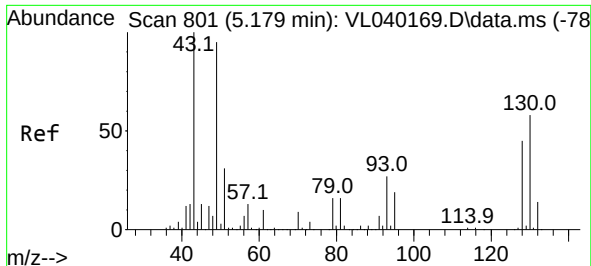
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP

Quant Time: Mar 14 04:55:26 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 : Tue Mar 14 04:52:39 2023
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.192 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL040270.D

Acq: 13 Mar 2023 18:26

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-FRONTDUP

Tgt Ion: 49 Resp: 84321

Ion Ratio Lower Upper

49 100

128 47.0 24.1 72.3

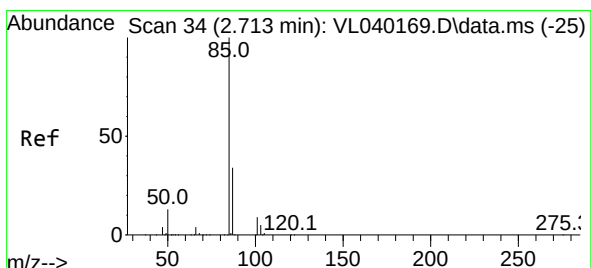
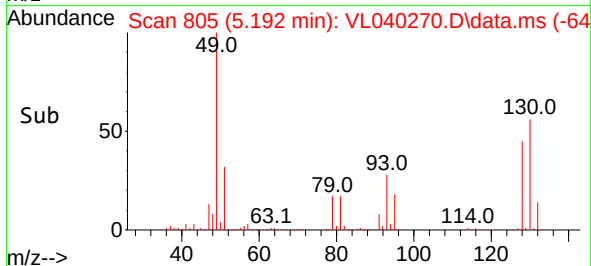
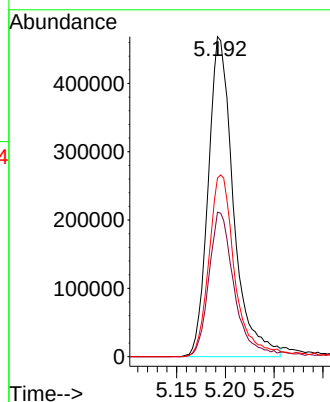
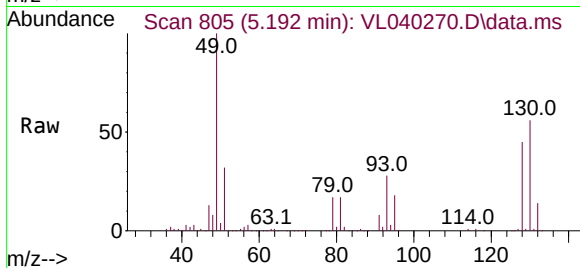
130 60.6 30.9 92.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

Supervised By :Mahesh Dadoda 03/15/2023



#2

Dichlorodifluoromethane

Concen: 0.362 ppbv

RT: 2.723 min Scan# 37

Delta R.T. 0.010 min

Lab File: VL040270.D

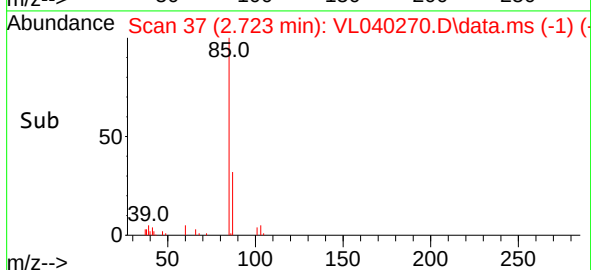
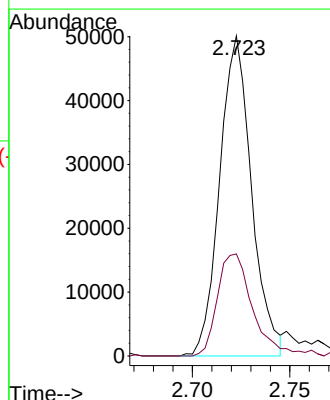
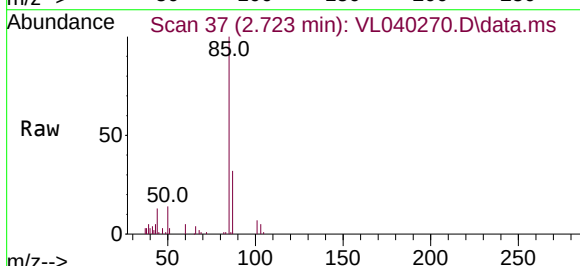
Acq: 13 Mar 2023 18:26

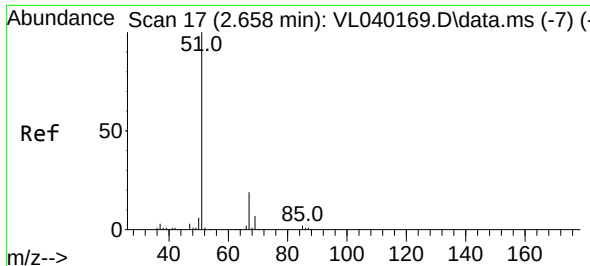
Tgt Ion: 85 Resp: 56941

Ion Ratio Lower Upper

85 100

87 31.9 27.0 40.6





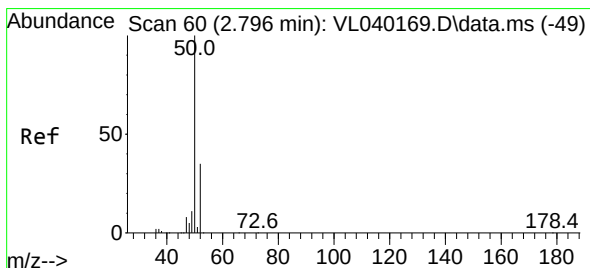
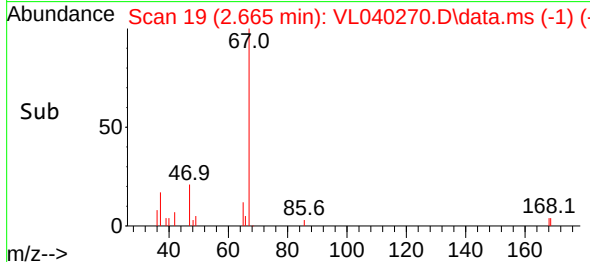
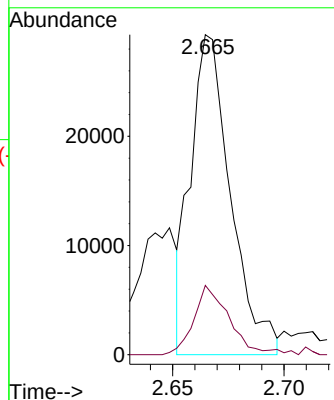
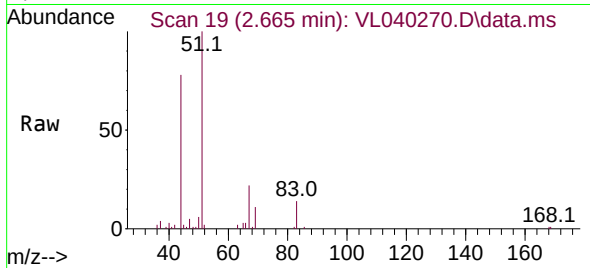
#3
Chlorodifluoromethane
Concen: 0.363 ppbv m
RT: 2.665 min Scan# 19
Delta R.T. 0.007 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP

Tgt Ion: 51 Resp: 3661
Ion Ratio Lower Upper
51 100
67 20.6 15.4 23.2

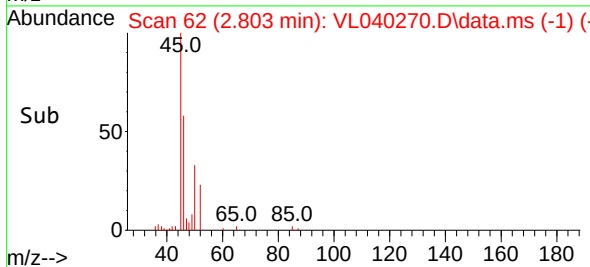
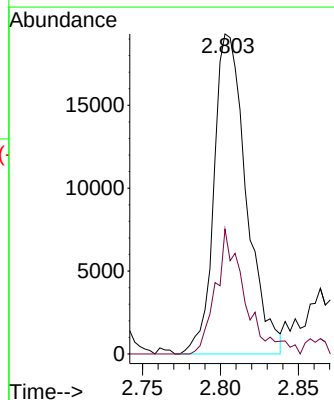
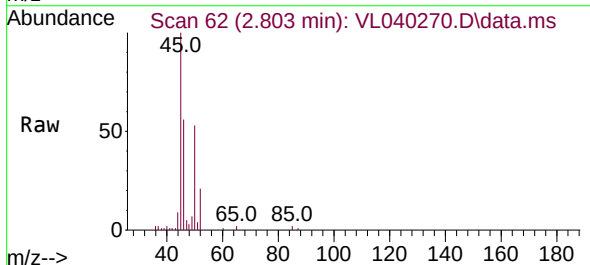
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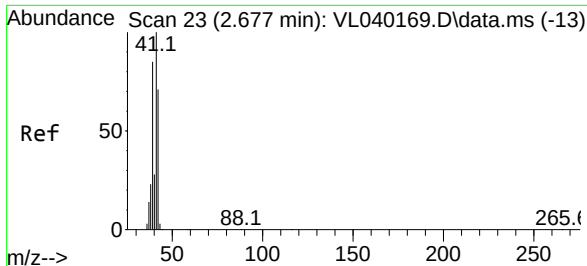
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#4
Chloromethane
Concen: 0.442 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

Tgt Ion: 50 Resp: 27941
Ion Ratio Lower Upper
50 100
52 39.0 28.3 42.5





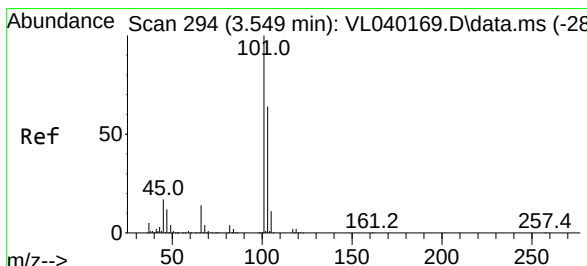
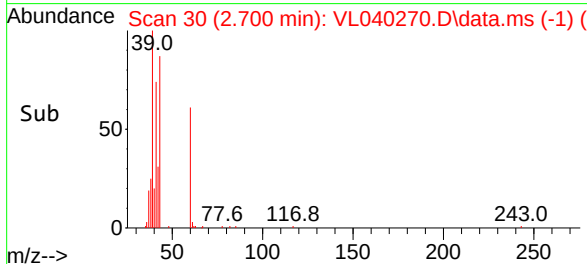
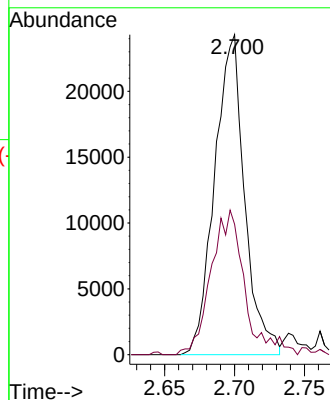
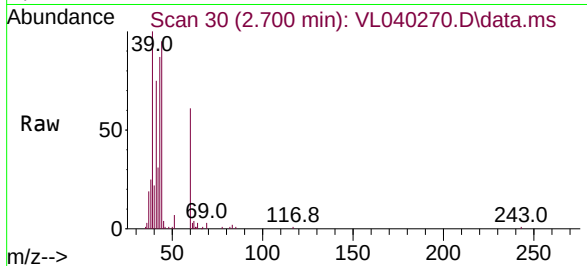
#9
Propene
Concen: 0.881 ppbv m
RT: 2.700 min Scan# 30
Delta R.T. 0.023 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP

Tgt Ion: 41 Resp: 36189
Ion Ratio Lower Upper
41 100
42 199.8 56.9 85.3

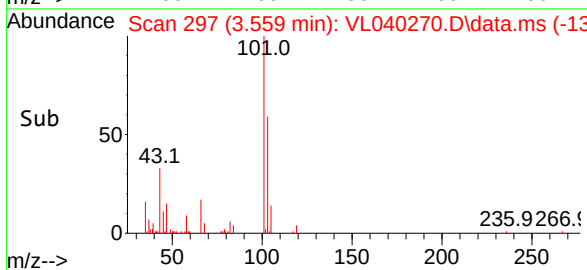
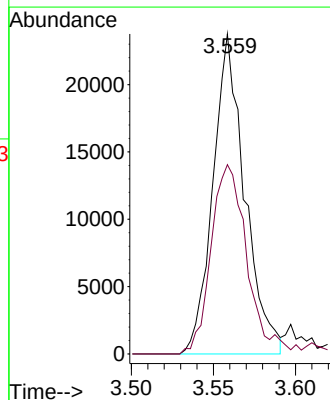
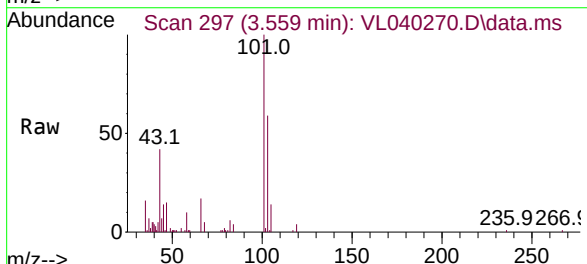
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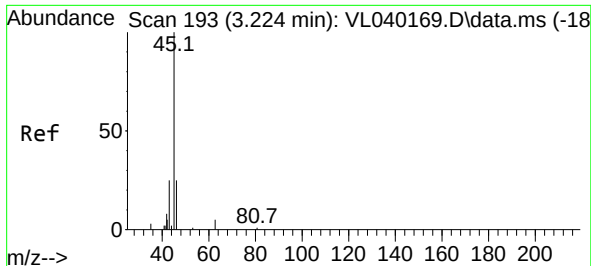
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 3.559 min Scan# 297
Delta R.T. 0.007 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

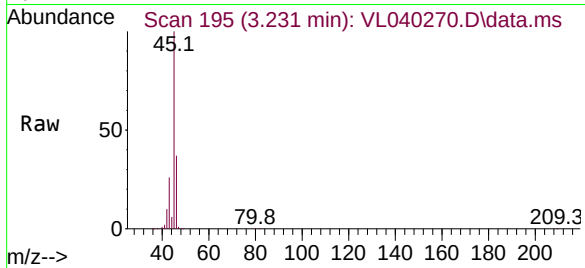
Tgt Ion:101 Resp: 31961
Ion Ratio Lower Upper
101 100
103 59.2 51.0 76.6





#13
Ethanol
Concen: 82.557 ppbv m
RT: 3.231 min Scan# 193
Delta R.T. 0.000 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

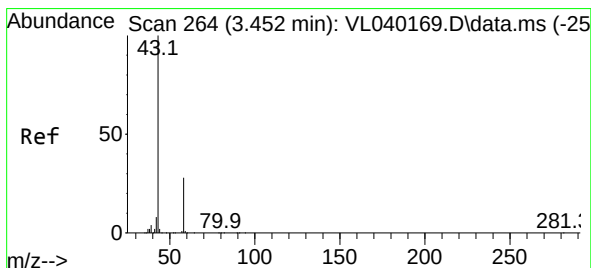
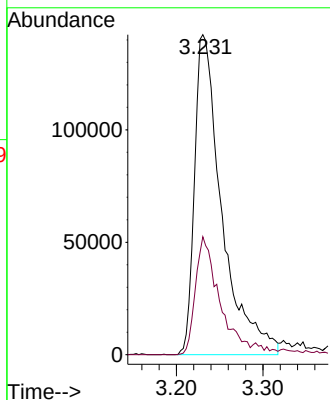
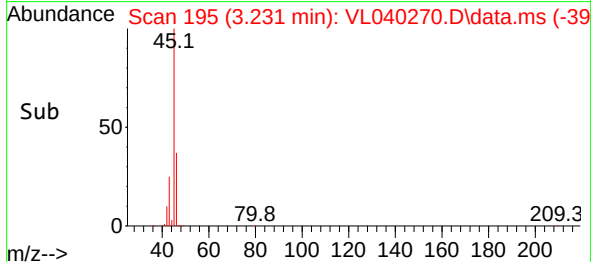
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP



Tgt Ion: 45 Resp: 31206
Ion Ratio Lower Upper
45 100
46 35.6 13.3 53.1

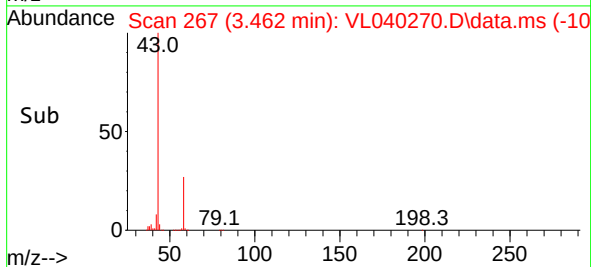
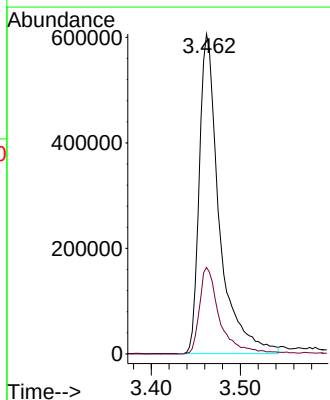
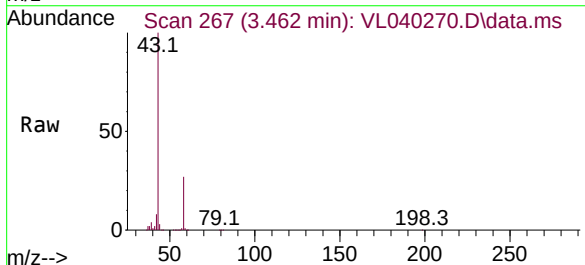
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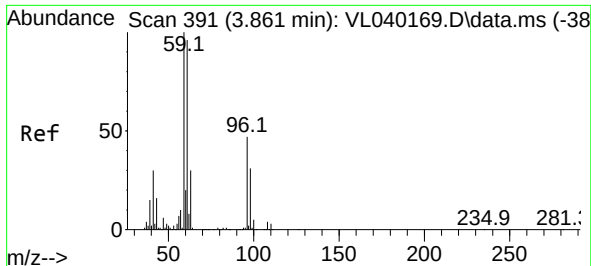
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Supervised By :Mahesh Dadoda 03/15/2023



#15
Acetone
Concen: 9.341 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.007 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

Tgt Ion: 43 Resp: 948254
Ion Ratio Lower Upper
43 100
58 27.7 22.4 33.6





#17

tert-Butyl alcohol

Concen: 0.149 ppbv m

RT: 3.896 min Scan# 40

Delta R.T. 0.029 min

Lab File: VL040270.D

Acq: 13 Mar 2023 18:26

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-FRONTDUP

Tgt Ion: 59 Resp: 13840

Ion Ratio Lower Upper

59 100

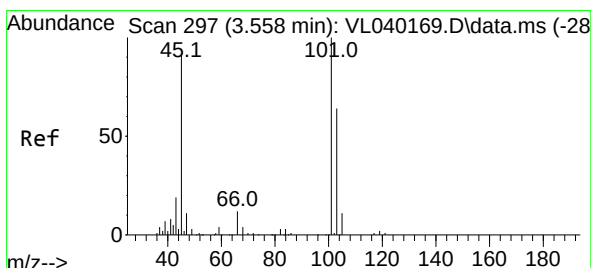
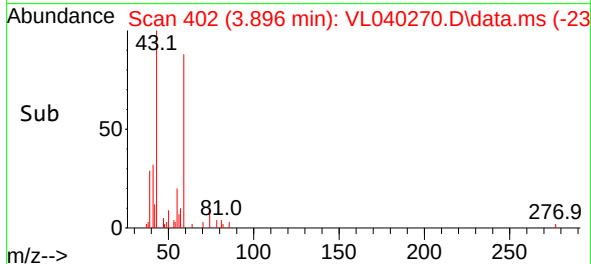
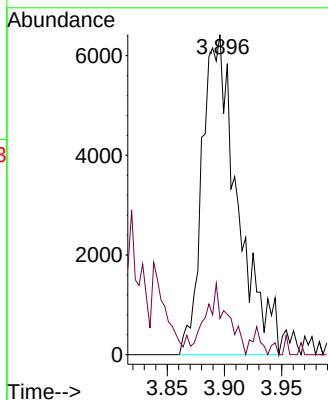
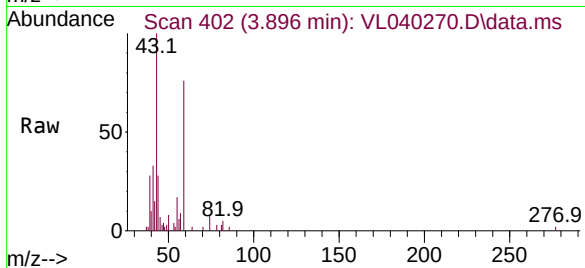
57 0.0 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

Supervised By :Mahesh Dadoda 03/15/2023



#19

Isopropyl Alcohol

Concen: 0.847 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.019 min

Lab File: VL040270.D

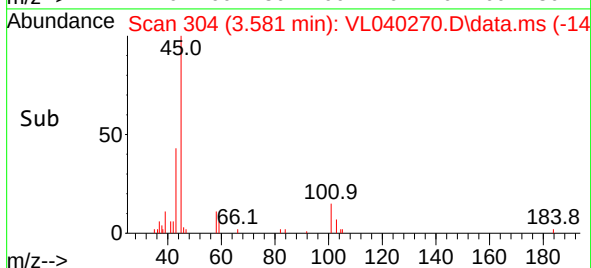
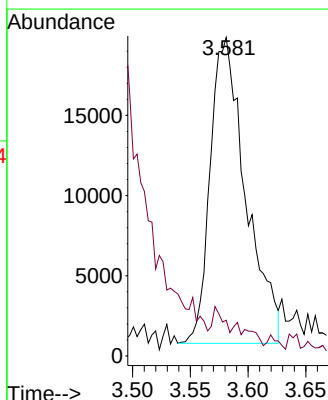
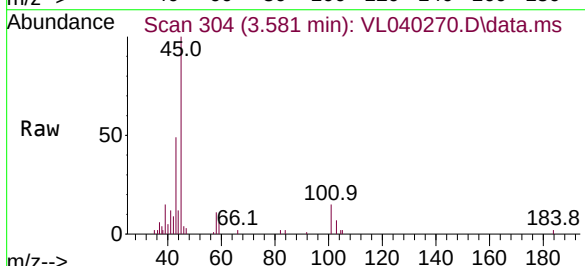
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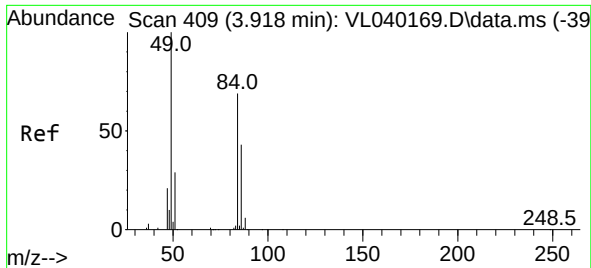
Tgt Ion: 45 Resp: 40868

Ion Ratio Lower Upper

45 100

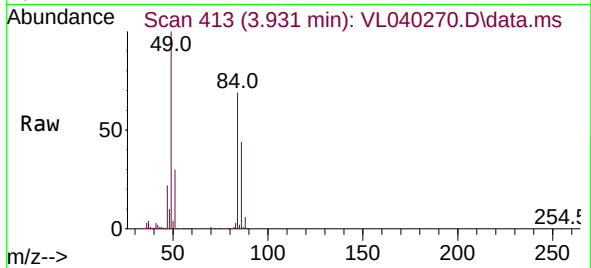
58 641.8 2.6 3.8





#20
Methylene Chloride
Concen: 9.082 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

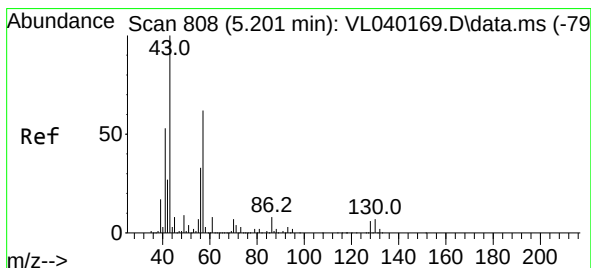
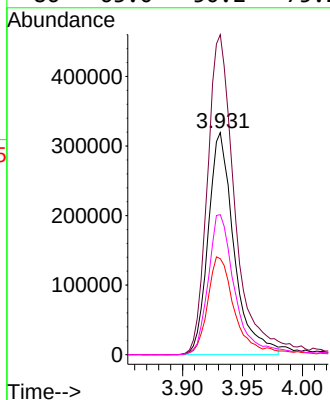
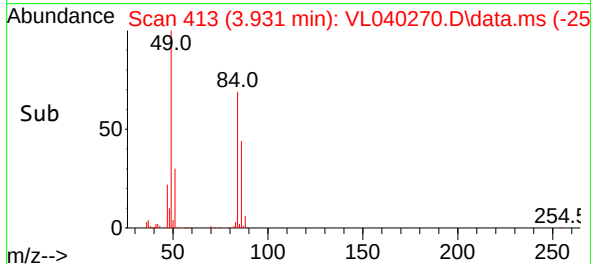
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP



Tgt Ion: 84 Resp: 479964
Ion Ratio Lower Upper
84 100
49 144.0 115.5 173.3
51 43.2 33.1 49.7
86 63.0 50.2 75.2

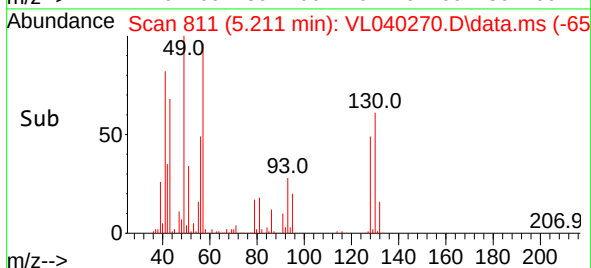
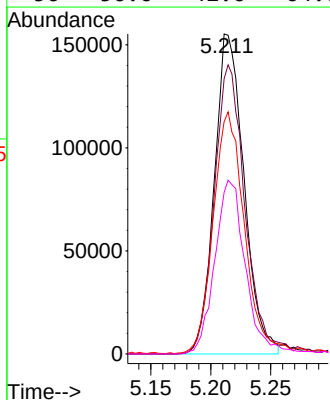
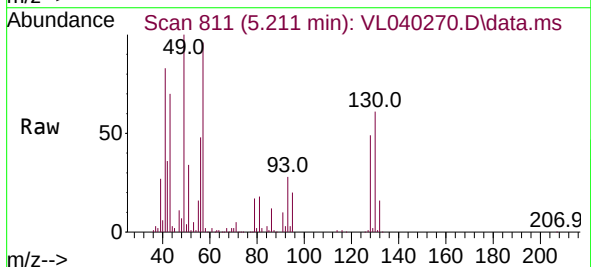
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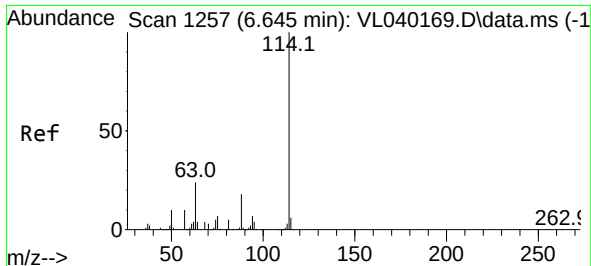
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#26
Hexane
Concen: 3.300 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

Tgt Ion: 57 Resp: 267334
Ion Ratio Lower Upper
57 100
41 95.0 74.3 111.5
43 81.0 193.0 289.4#
56 56.6 42.6 64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040270.D

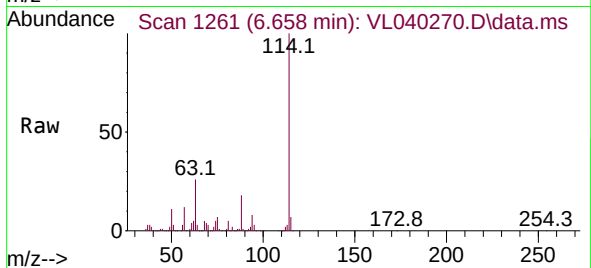
Acq: 13 Mar 2023 18:26

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-FRONTDUP



Tgt Ion:114 Resp: 205138

Ion Ratio Lower Upper

114 100

63 26.4 20.4 30.6

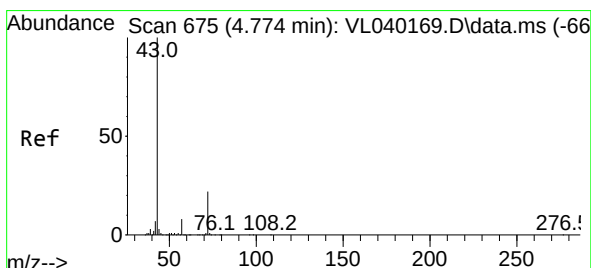
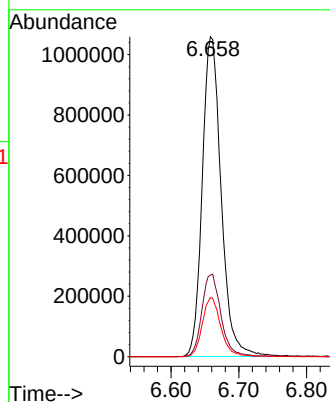
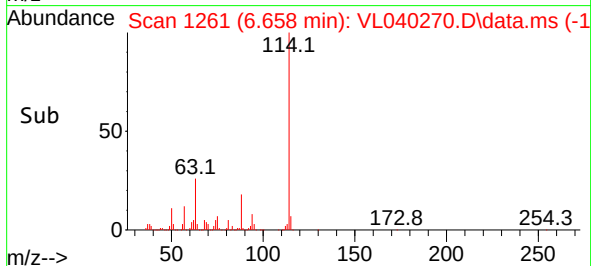
88 18.3 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

Supervised By :Mahesh Dadoda 03/15/2023



#34

2-Butanone

Concen: 2.628 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.013 min

Lab File: VL040270.D

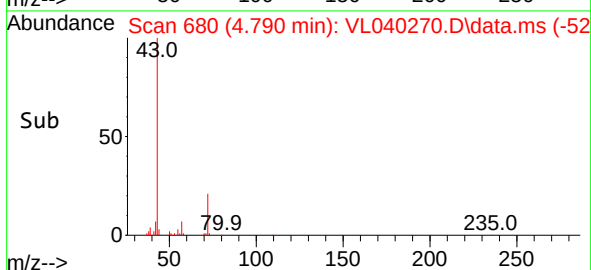
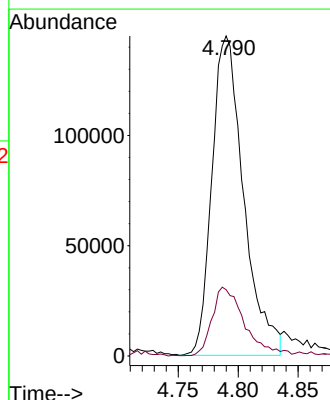
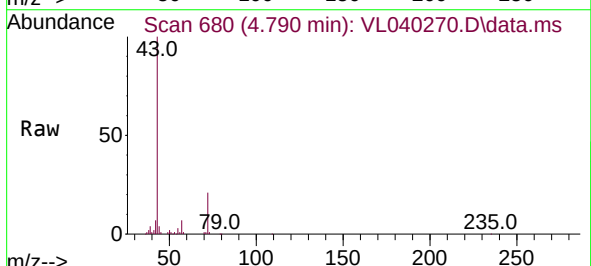
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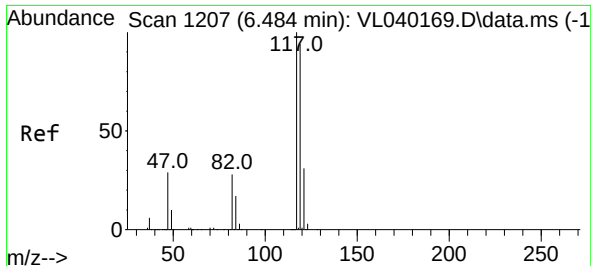
Tgt Ion: 43 Resp: 265979

Ion Ratio Lower Upper

43 100

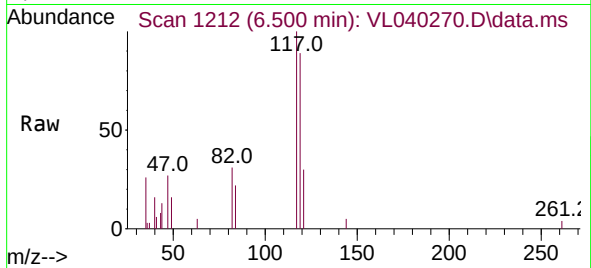
72 23.3 17.8 26.8





#35
Carbon Tetrachloride
Concen: 0.087 ppbv m
RT: 6.500 min Scan# 1173
Delta R.T. 0.010 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

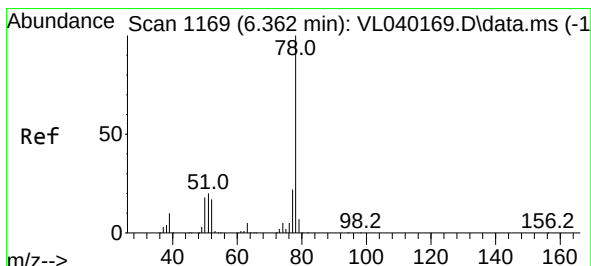
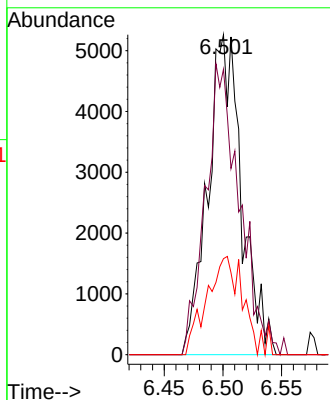
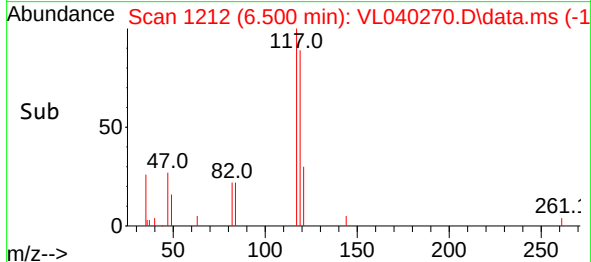
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP



Tgt Ion: 117 Resp: 10562
Ion Ratio Lower Upper
117 100
119 89.2 75.0 112.6
121 30.0 25.0 37.4

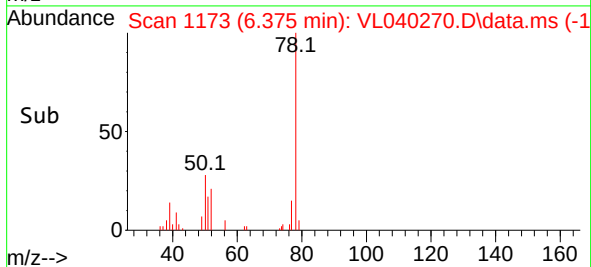
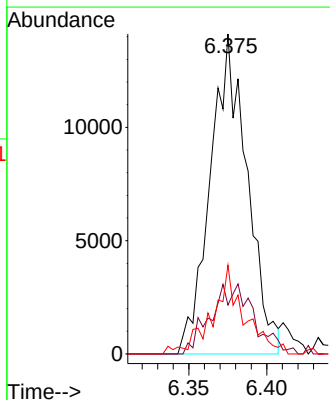
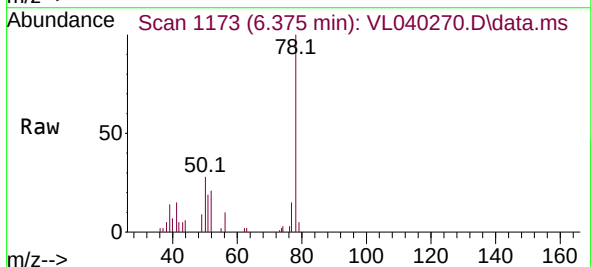
Manual Integrations
APPROVED

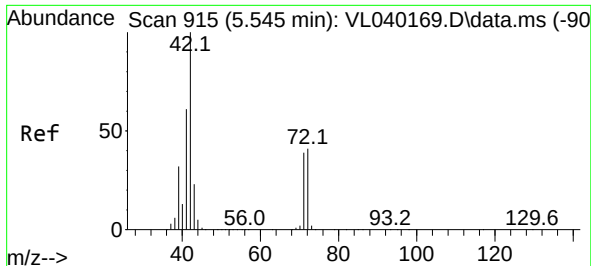
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#36
Benzene
Concen: 0.145 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.007 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

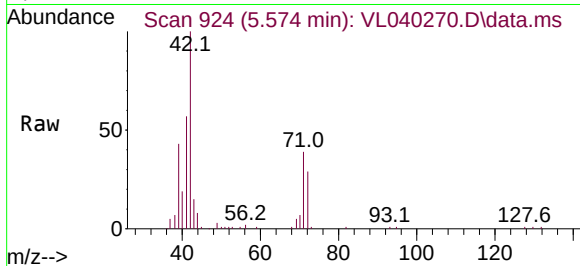
Tgt Ion: 78 Resp: 23216
Ion Ratio Lower Upper
78 100
77 15.3 17.5 26.3#
50 25.7 14.6 22.0#





#41
Tetrahydrofuran
Concen: 0.932 ppbv
RT: 5.574 min Scan# 915
Delta R.T. 0.023 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

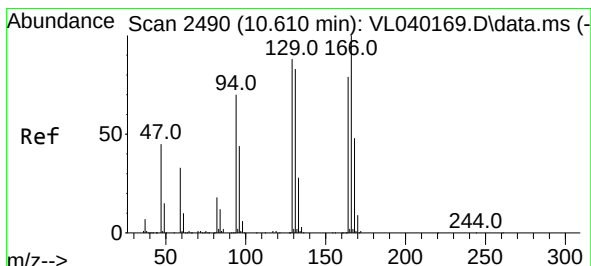
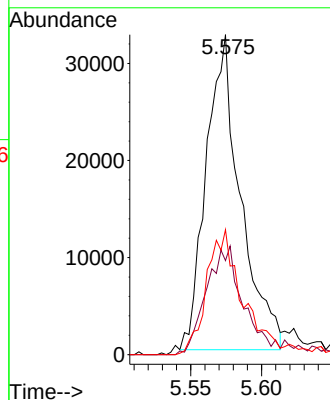
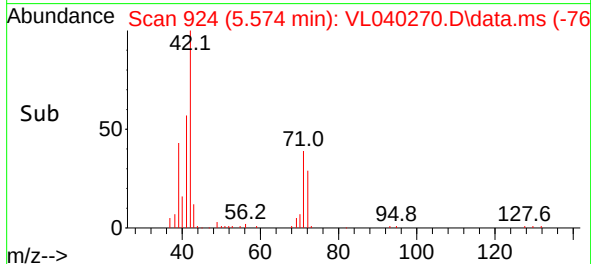
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP



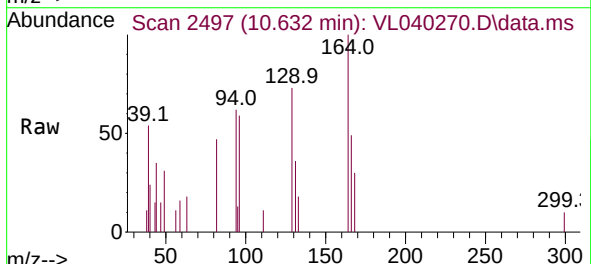
Tgt Ion: 42 Resp: 54634
Ion Ratio Lower Upper
42 100
72 40.0 33.0 49.4
71 43.2 31.4 47.2

Manual Integrations
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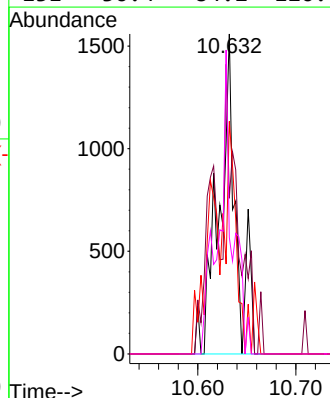
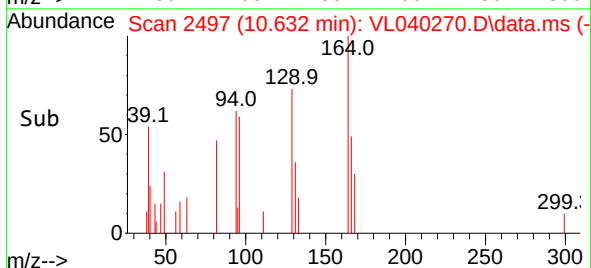
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

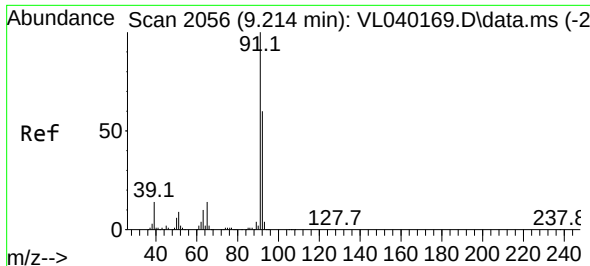


#52
Tetrachloroethene
Concen: 0.037 ppbv m
RT: 10.632 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26



Tgt Ion:164 Resp: 1866
Ion Ratio Lower Upper
164 100
166 48.6 101.5 152.3#
129 72.7 89.0 133.4#
131 36.4 84.2 126.4#





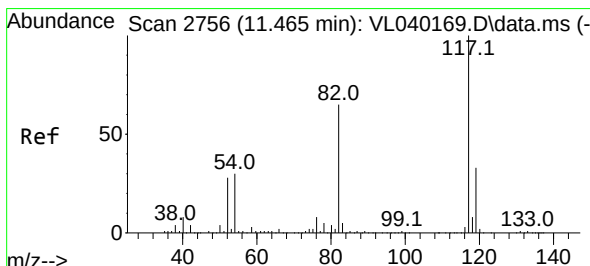
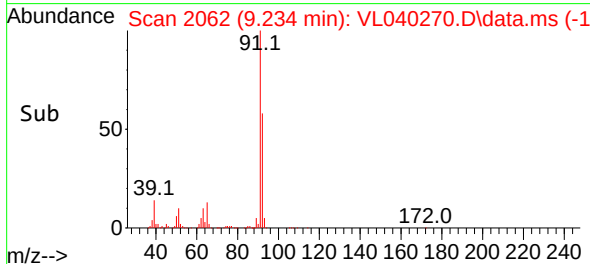
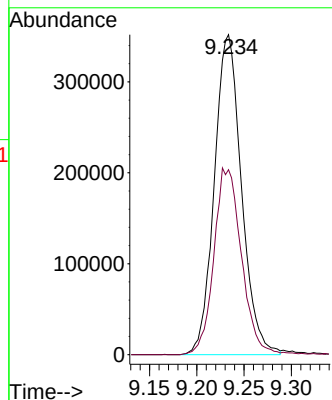
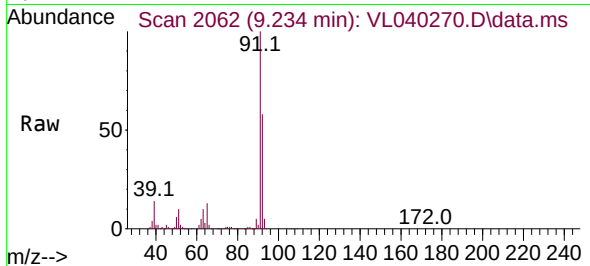
#53
Toluene
Concen: 4.113 ppbv
RT: 9.234 min Scan# 2056
Delta R.T. 0.010 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP

Tgt Ion: 91 Resp: 70324
Ion Ratio Lower Upper
91 100
92 59.4 48.9 73.3

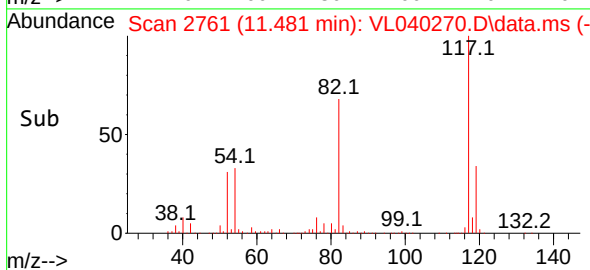
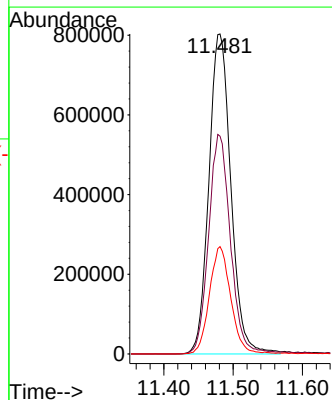
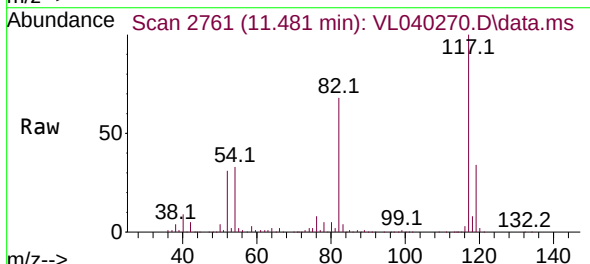
Manual Integrations
APPROVED

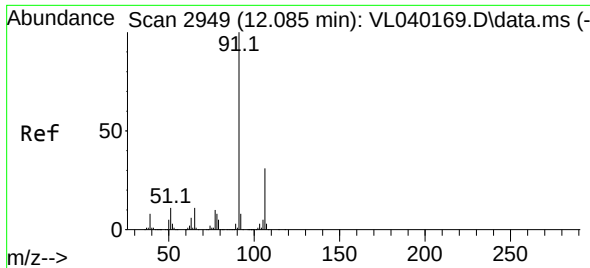
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.007 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

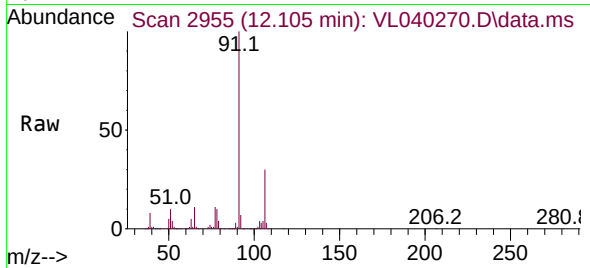
Tgt Ion:117 Resp: 1772664
Ion Ratio Lower Upper
117 100
82 68.9 53.3 79.9
119 32.8 24.6 37.0





#58
Ethyl Benzene
Concen: 3.994 ppbv
RT: 12.105 min Scan# 2949
Delta R.T. 0.010 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

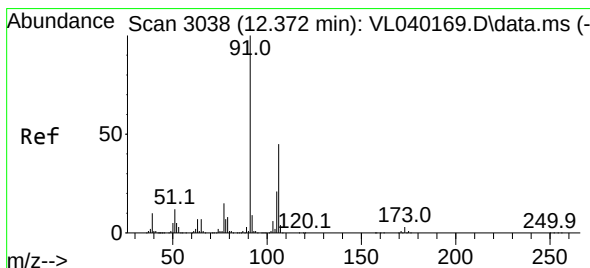
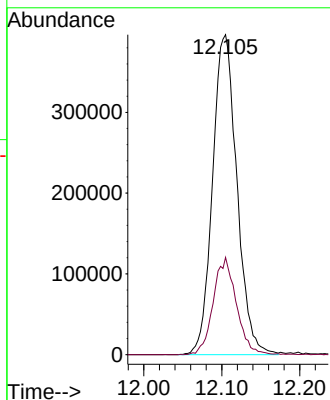
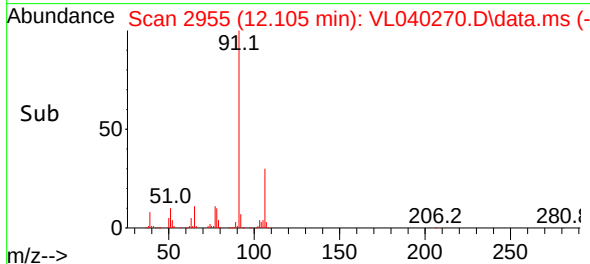
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP



Tgt Ion: 91 Resp: 860270
Ion Ratio Lower Upper
91 100
106 30.4 24.9 37.3

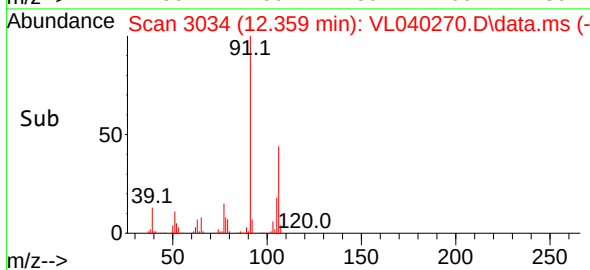
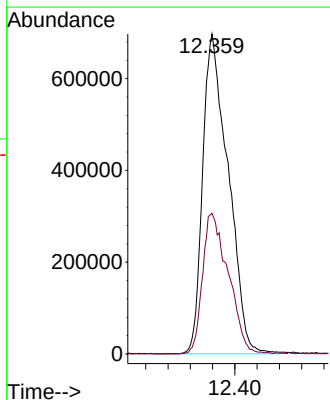
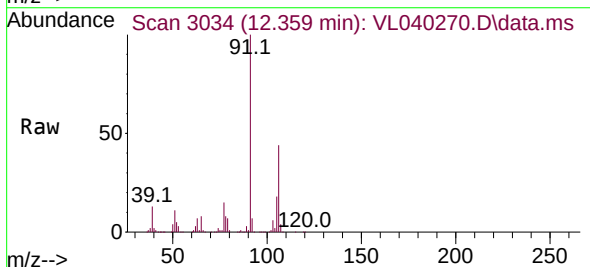
Manual Integrations
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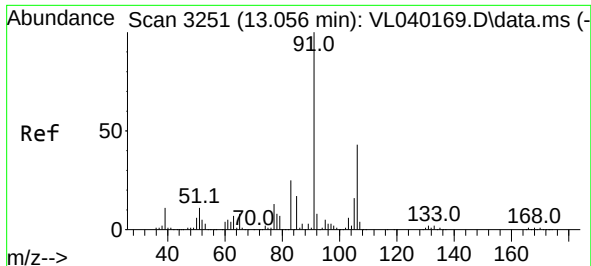
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#59
m/p-Xylene
Concen: 11.616 ppbv
RT: 12.359 min Scan# 3034
Delta R.T. -0.022 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

Tgt Ion: 91 Resp: 2215989
Ion Ratio Lower Upper
91 100
106 44.5 34.6 51.8





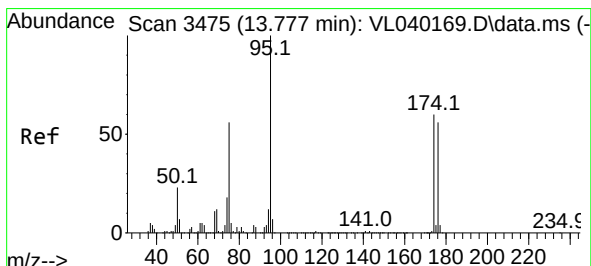
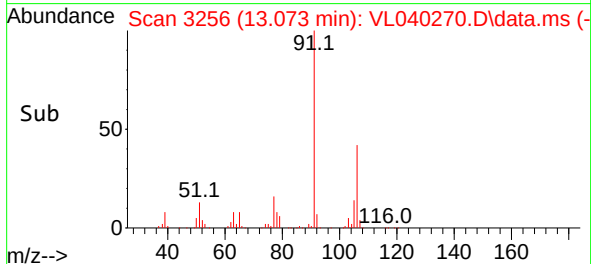
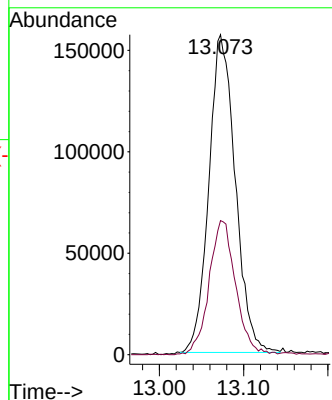
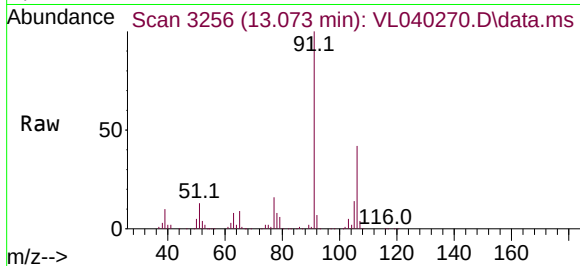
#60
o-Xylene
Concen: 1.859 ppbv
RT: 13.073 min Scan# 341230
Delta R.T. 0.007 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONTDUP

Tgt Ion: 91 Resp: 341230
Ion Ratio Lower Upper
91 100
106 42.8 21.6 65.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.155 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.010 min
Lab File: VL040270.D
Acq: 13 Mar 2023 18:26

Tgt Ion: 95 Resp: 1480232
Ion Ratio Lower Upper
95 100
174 58.6 48.2 72.2
175 4.1 3.4 5.2

