

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040269.D
 Acq On : 13 Mar 2023 17:46
 Operator : SY/MD
 Sample : 01897-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENT-FRONT

Manual Integrations
 APPROVED

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

Quant Time: Mar 14 04:55:03 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

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

Internal Standards						
1) Bromochloromethane	5.195	49	820265	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2016031	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1778609	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1499994	10.256	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	31836	0.208	ppbv	91
3) Chlorodifluoromethane	2.661	51	34682m	0.354	ppbv	
4) Chloromethane	2.806	50	27980	0.455	ppbv	99
9) Propene	2.693	41	30654m	0.767	ppbv	
11) Trichlorofluoromethane	3.555	101	33423	0.244	ppbv	98
13) Ethanol	3.230	45	293193m	79.735	ppbv	
15) Acetone	3.462	43	893265	9.045	ppbv	97
17) tert-Butyl alcohol	3.886	59	13767m	0.153	ppbv	
19) Isopropyl Alcohol	3.575	45	45822m	0.976	ppbv	
20) Methylene Chloride	3.928	84	384545	7.480	ppbv	92
26) Hexane	5.211	57	223625	2.838	ppbv #	40
34) 2-Butanone	4.787	43	272651	2.742	ppbv	96
35) Carbon Tetrachloride	6.504	117	8950m	0.075	ppbv	
36) Benzene	6.375	78	24055m	0.153	ppbv	
41) Tetrahydrofuran	5.568	42	60861m	1.056	ppbv	
52) Tetrachloroethene	10.619	164	1540m	0.031	ppbv	
53) Toluene	9.230	91	703527	4.187	ppbv	100
58) Ethyl Benzene	12.101	91	869662	4.024	ppbv	95
59) m/p-Xylene	12.355	91	2255105	11.782	ppbv	97
60) o-Xylene	13.069	91	346666m	1.882	ppbv	

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

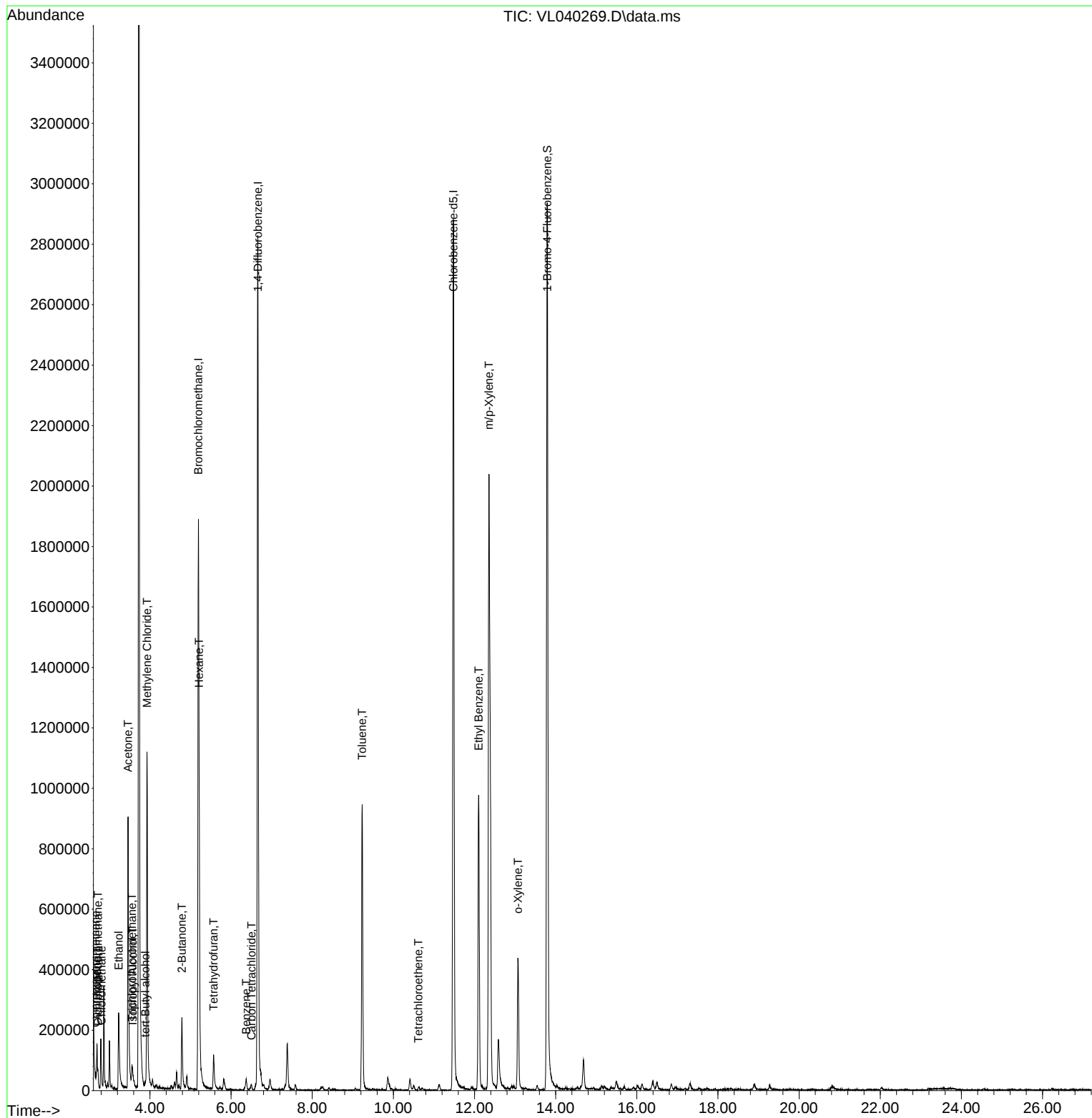
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
Data File : VL040269.D
Acq On : 13 Mar 2023 17:46
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Sample : 01897-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

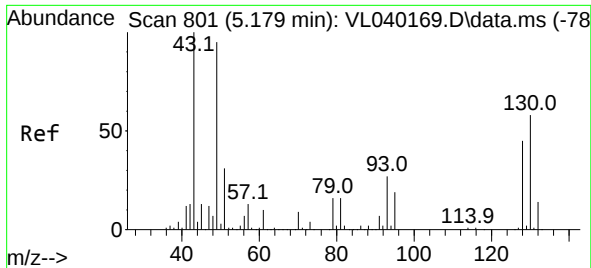
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT

Quant Time: Mar 14 04:55:03 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
Response via : Initial Calibration

Manual Integrations
APPROVED

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Supervised By : Mahesh Dadoda 03/15/2023





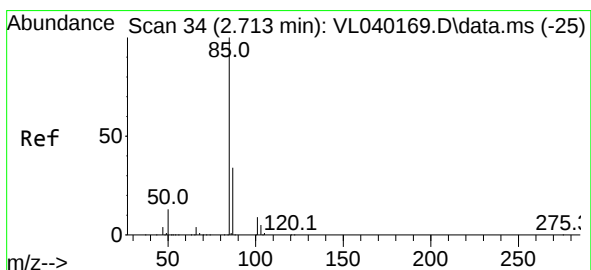
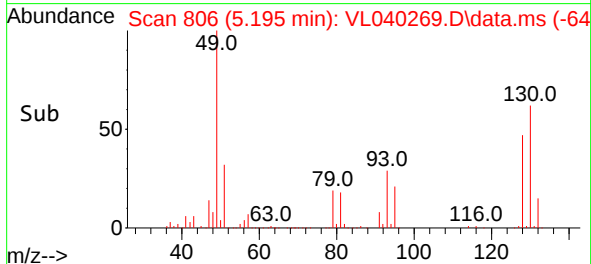
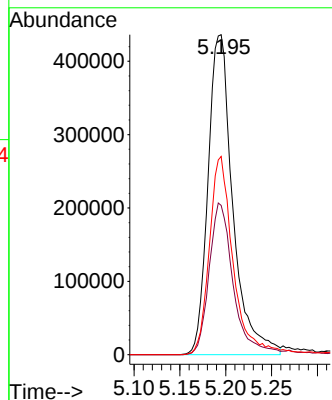
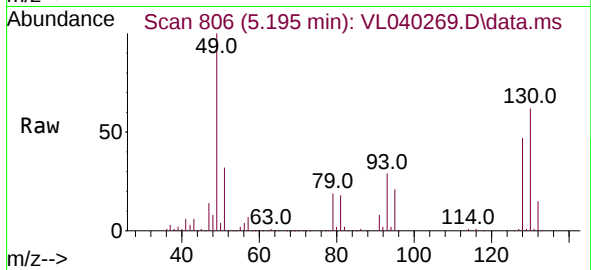
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT

Tgt Ion: 49 Resp: 82026
Ion Ratio Lower Upper
49 100
128 48.1 24.1 72.3
130 61.4 30.9 92.8

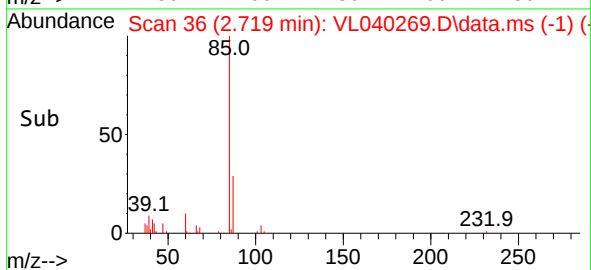
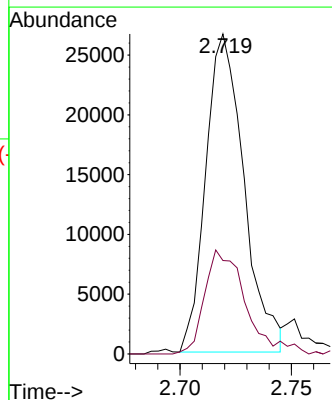
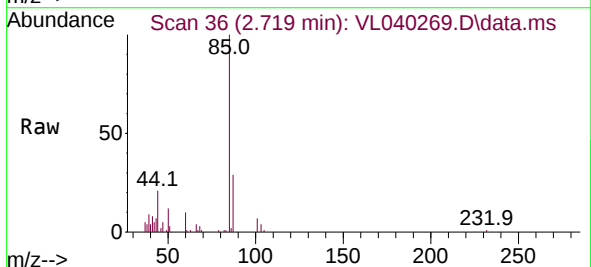
Manual Integrations
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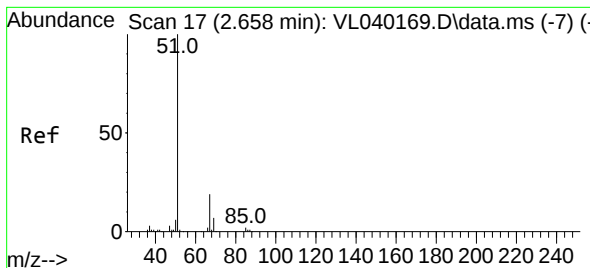
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#2
Dichlorodifluoromethane
Concen: 0.208 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.006 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

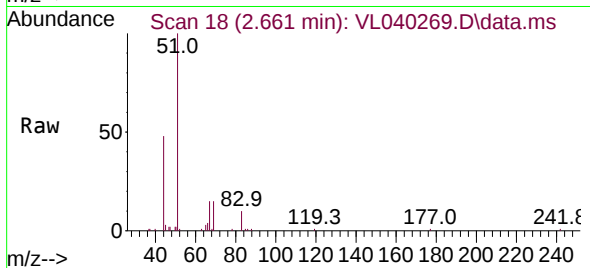
Tgt Ion: 85 Resp: 31836
Ion Ratio Lower Upper
85 100
87 28.7 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.354 ppbv m
RT: 2.661 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

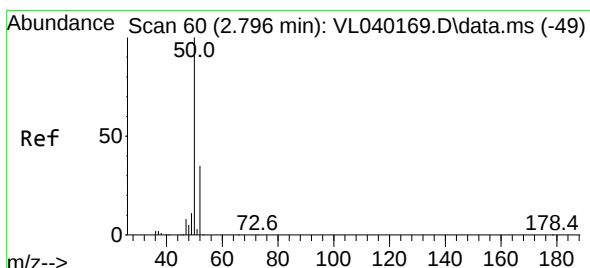
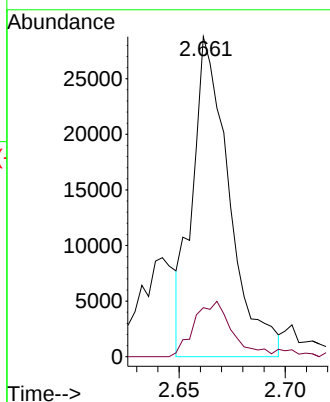
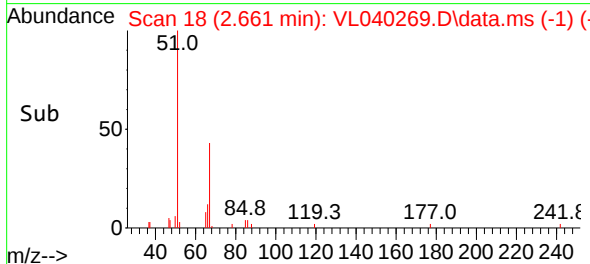
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT



Tgt Ion: 51 Resp: 3468
Ion Ratio Lower Upper
51 100
67 20.3 15.4 23.2

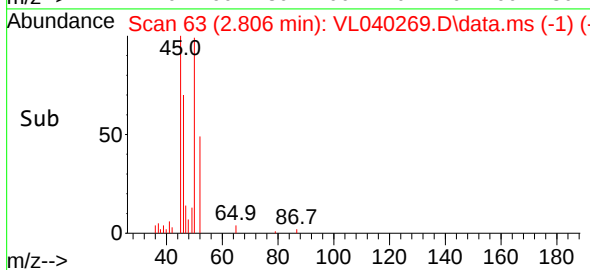
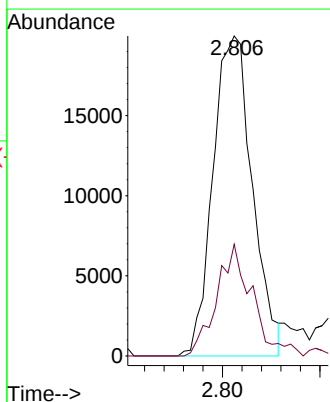
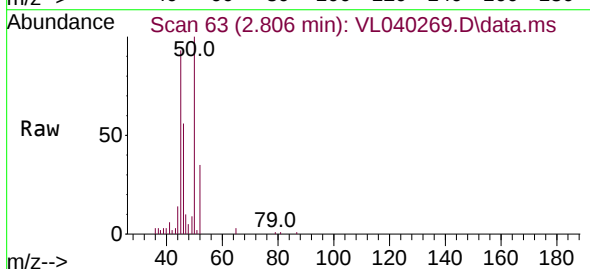
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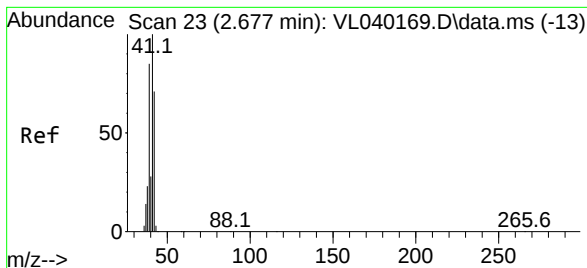
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#4
Chloromethane
Concen: 0.455 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.006 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

Tgt Ion: 50 Resp: 27980
Ion Ratio Lower Upper
50 100
52 34.9 28.3 42.5





#9

Propene

Concen: 0.767 ppbv

RT: 2.693 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL040269.D

Acq: 13 Mar 2023 17:46

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-FRONT

Tgt Ion: 41 Resp: 30654

Ion Ratio Lower Upper

41 100

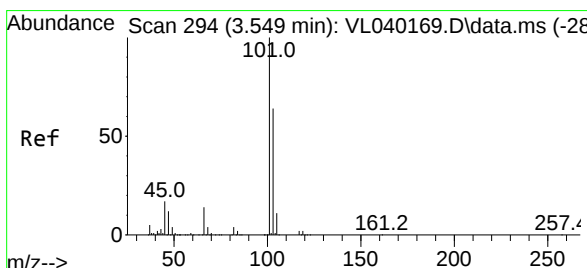
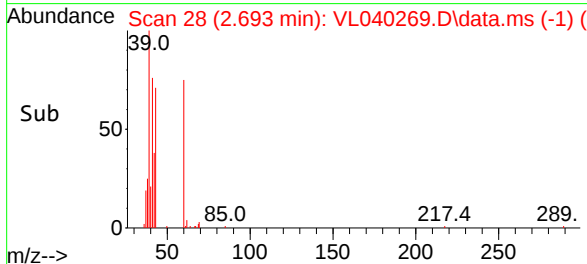
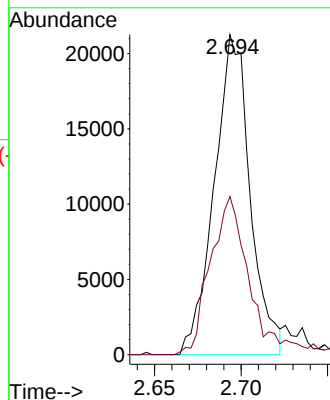
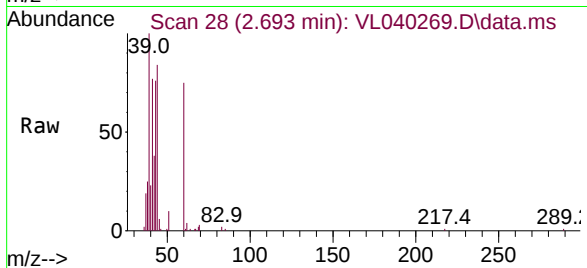
42 191.7 56.9 85.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

Supervised By :Mahesh Dadoda 03/15/2023



#11

Trichlorofluoromethane

Concen: 0.244 ppbv

RT: 3.555 min Scan# 296

Delta R.T. 0.003 min

Lab File: VL040269.D

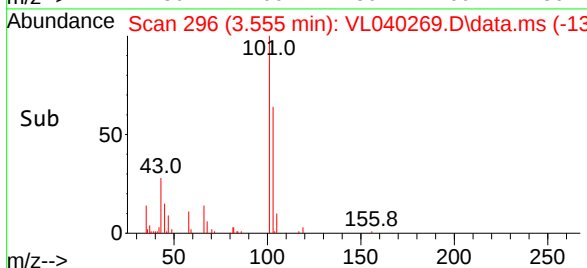
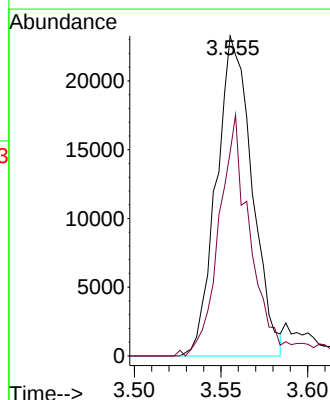
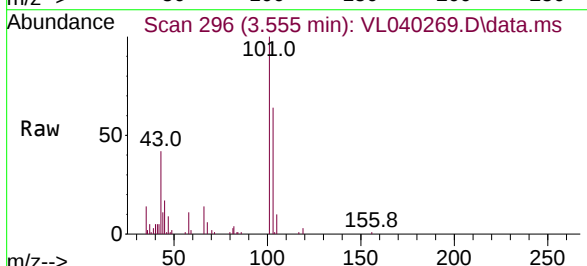
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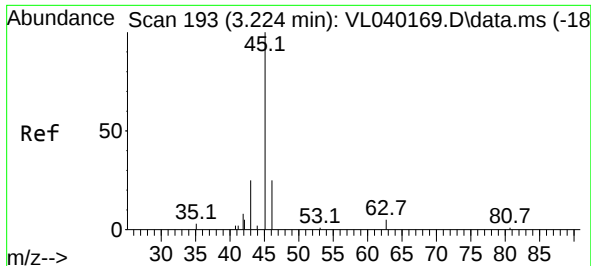
Tgt Ion:101 Resp: 33423

Ion Ratio Lower Upper

101 100

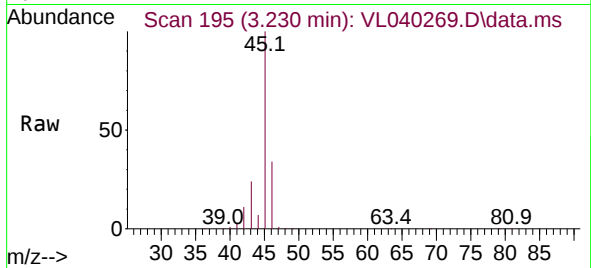
103 61.9 51.0 76.6





#13
Ethanol
Concen: 79.735 ppbv m
RT: 3.230 min Scan# 193
Delta R.T. 0.000 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

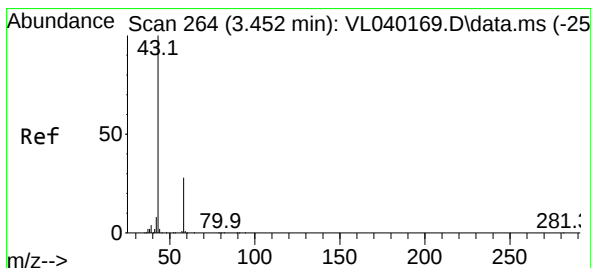
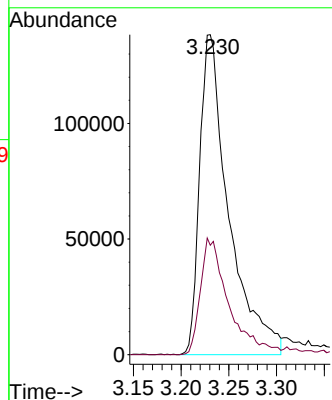
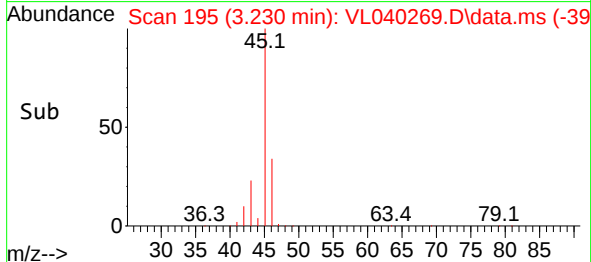
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT



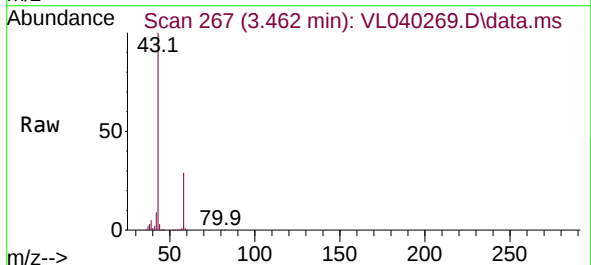
Tgt Ion: 45 Resp: 293193
Ion Ratio Lower Upper
45 100
46 36.9 13.3 53.1

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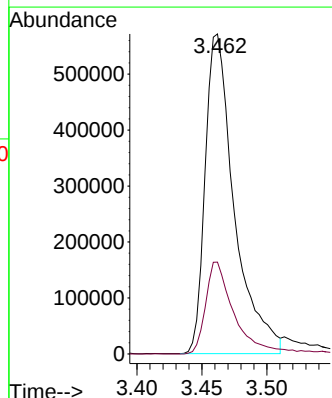
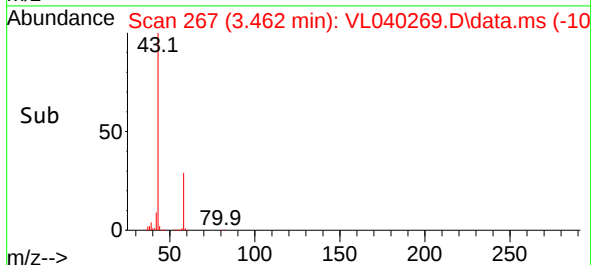
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

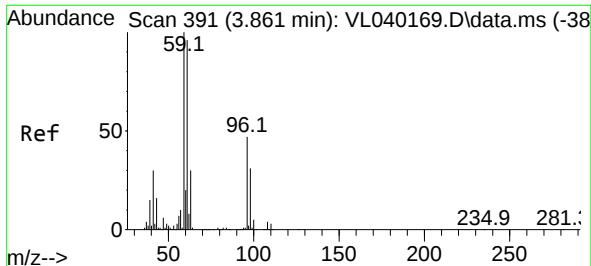


#15
Acetone
Concen: 9.045 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.006 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46



Tgt Ion: 43 Resp: 893265
Ion Ratio Lower Upper
43 100
58 29.6 22.4 33.6





#17

tert-Butyl alcohol

Concen: 0.153 ppbv m

RT: 3.886 min Scan# 391

Delta R.T. 0.019 min

Lab File: VL040269.D

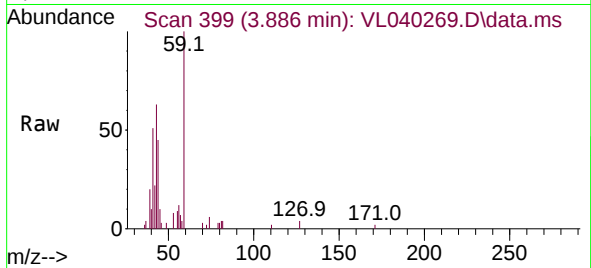
Acq: 13 Mar 2023 17:46

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-FRONT



Tgt Ion: 59 Resp: 1376

Ion Ratio Lower Upper

59 100

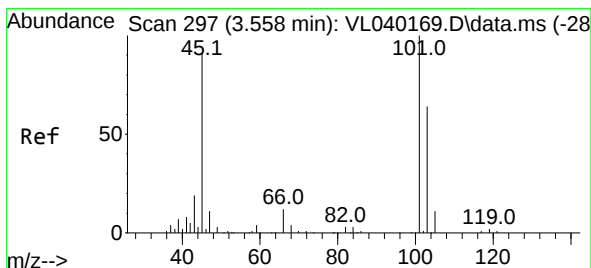
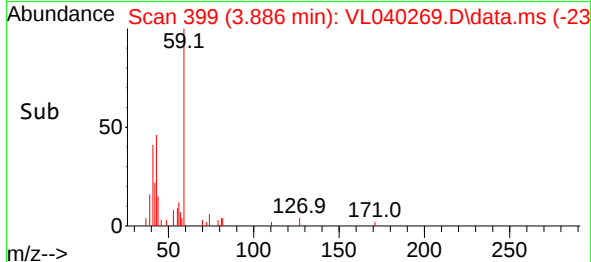
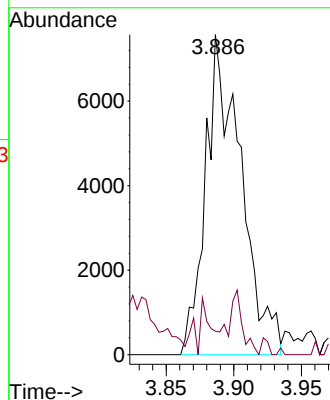
57 0.0 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

Supervised By :Mahesh Dadoda 03/15/2023



#19

Isopropyl Alcohol

Concen: 0.976 ppbv m

RT: 3.575 min Scan# 302

Delta R.T. 0.013 min

Lab File: VL040269.D

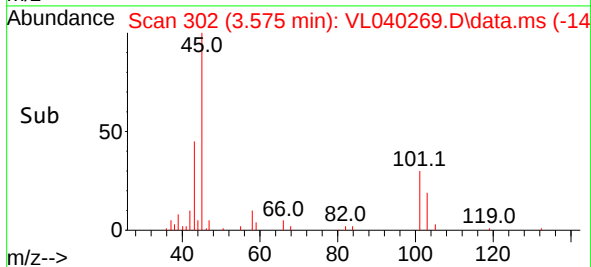
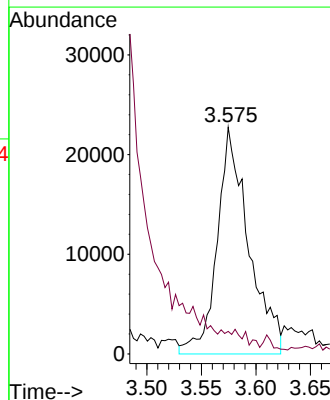
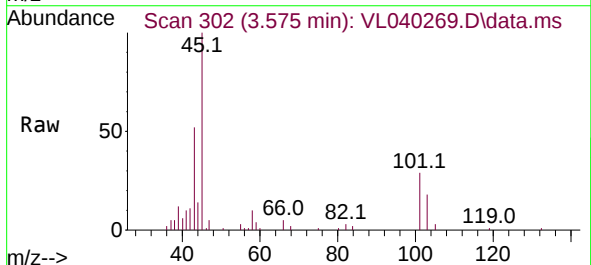
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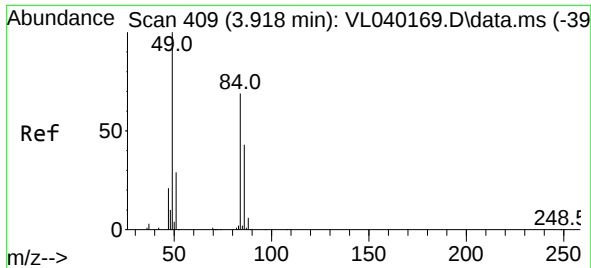
Tgt Ion: 45 Resp: 45822

Ion Ratio Lower Upper

45 100

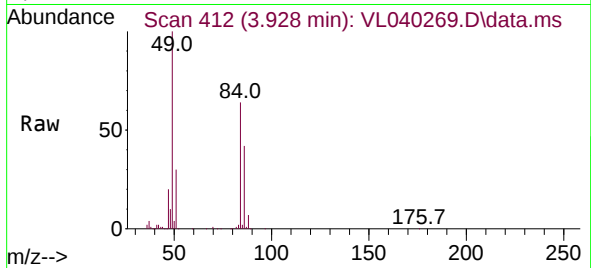
58 577.7 2.6 3.8





#20
Methylene Chloride
Concen: 7.480 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.006 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

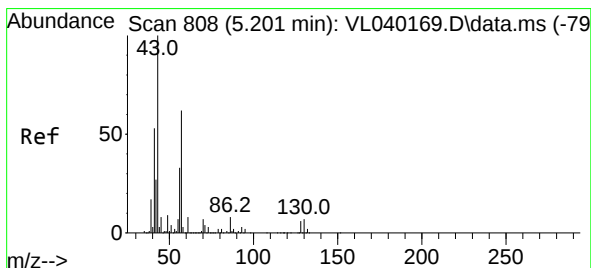
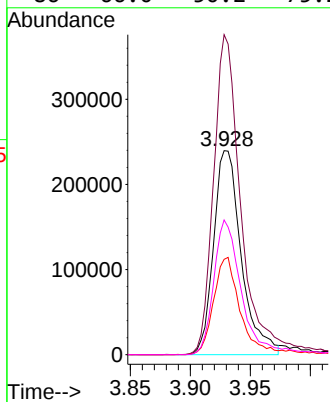
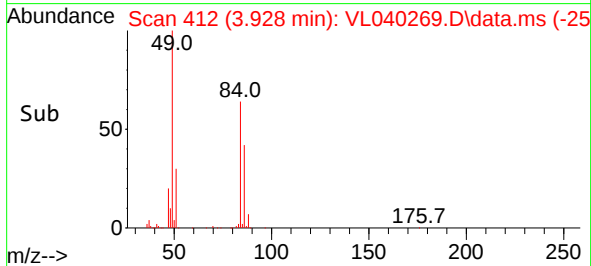
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT



Tgt Ion: 84 Resp: 384549
Ion Ratio Lower Upper
84 100
49 156.7 115.5 173.3
51 46.6 33.1 49.7
86 66.0 50.2 75.2

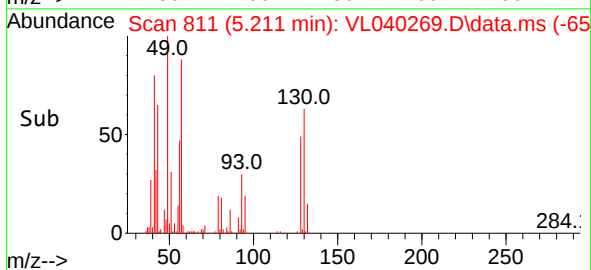
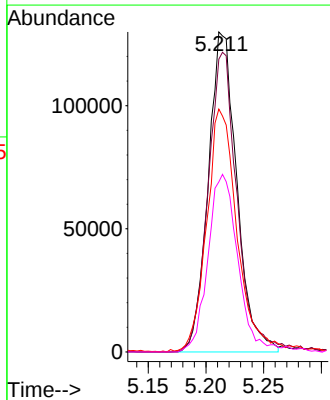
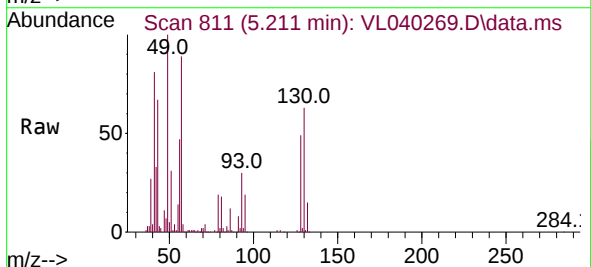
Manual Integrations
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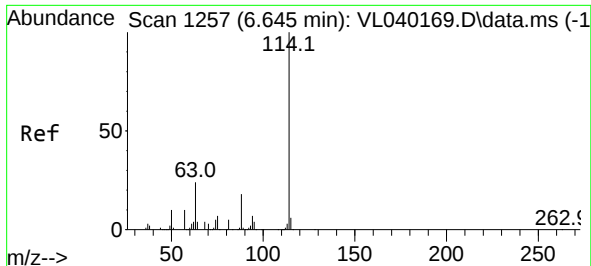
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#26
Hexane
Concen: 2.838 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

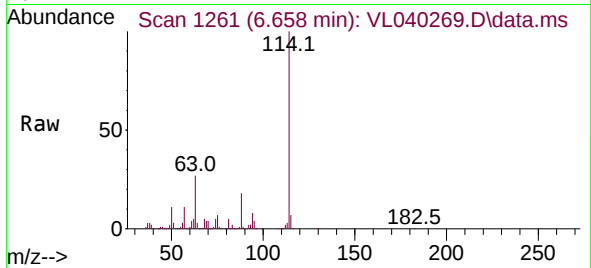
Tgt Ion: 57 Resp: 223625
Ion Ratio Lower Upper
57 100
41 97.5 74.3 111.5
43 82.8 193.0 289.4#
56 58.8 42.6 64.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

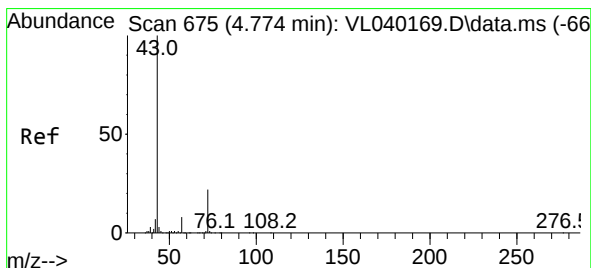
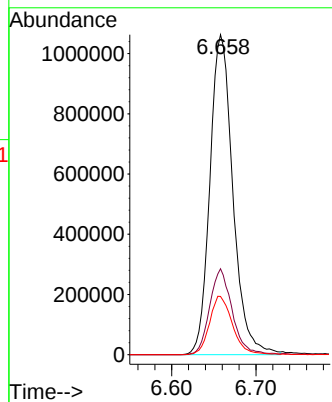
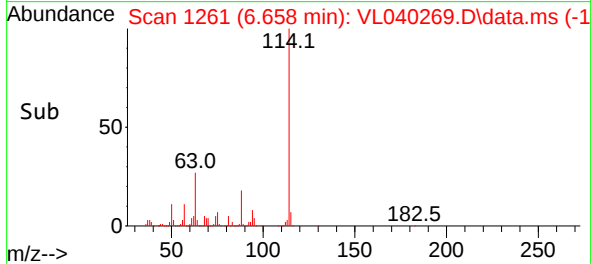
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT



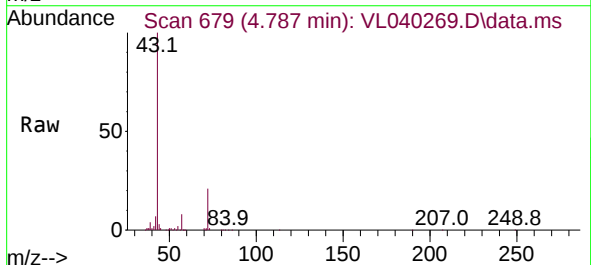
Tgt Ion:114 Resp: 201603
Ion Ratio Lower Upper
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63 26.6 20.4 30.6
88 18.3 14.3 21.5

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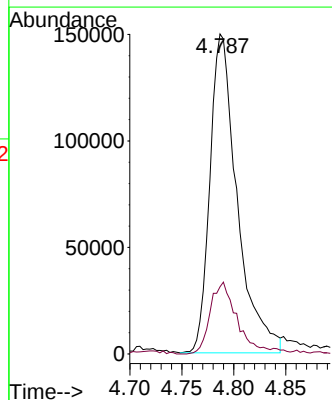
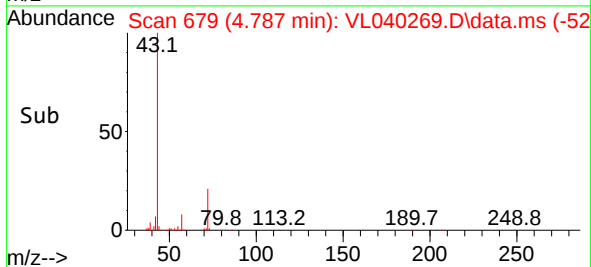
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

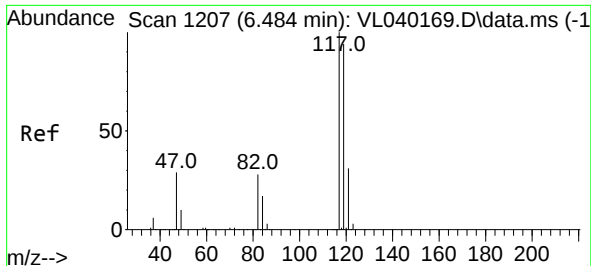


#34
2-Butanone
Concen: 2.742 ppbv
RT: 4.787 min Scan# 679
Delta R.T. 0.010 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46



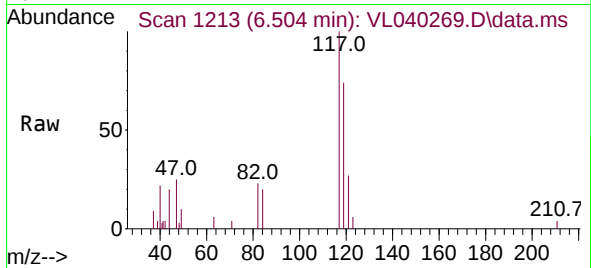
Tgt Ion: 43 Resp: 272651
Ion Ratio Lower Upper
43 100
72 24.0 17.8 26.8





#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.504 min Scan# 1173
Delta R.T. 0.013 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

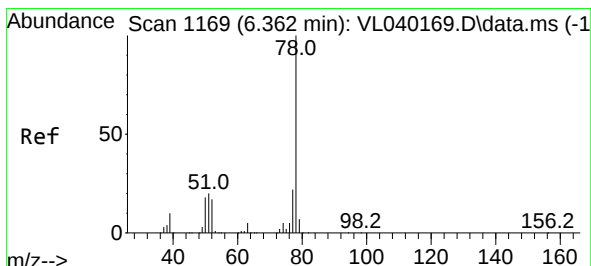
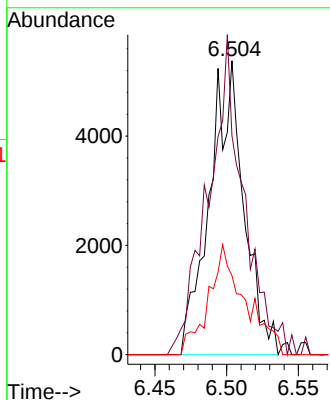
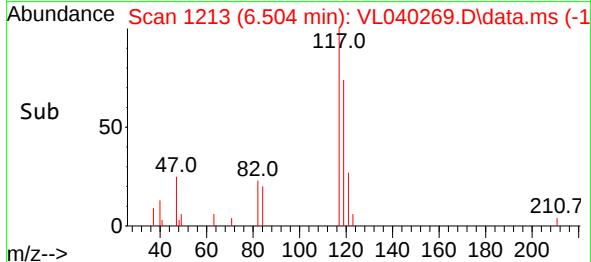
Instrument : MSVOA_L
ClientSampleId : BASEMENT-FRONT



Tgt Ion: 117 Resp: 8950
Ion Ratio Lower Upper
117 100
119 74.4 75.0 112.6
121 26.9 25.0 37.4

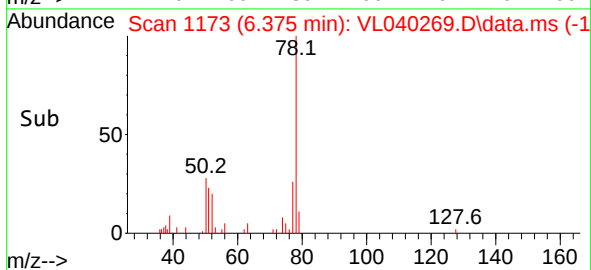
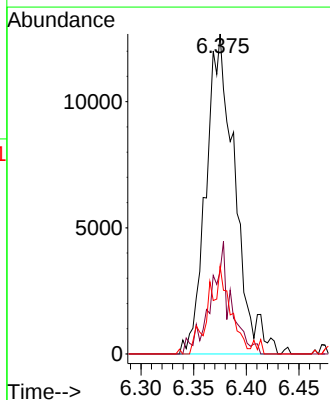
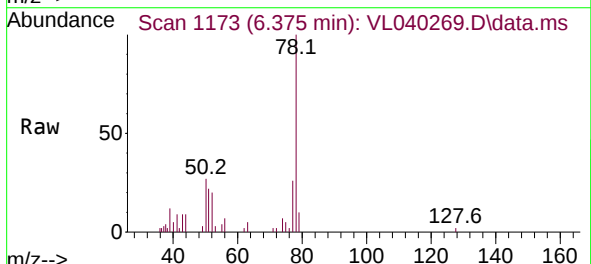
Manual Integrations
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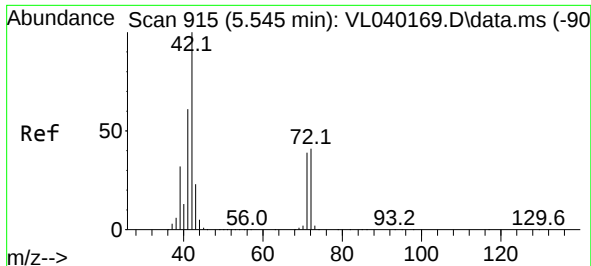
Reviewed By : Semsettin Yesilyurt 03/14/2023
Supervised By : Mahesh Dadoda 03/15/2023



#36
Benzene
Concen: 0.153 ppbv m
RT: 6.375 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

Tgt Ion: 78 Resp: 24055
Ion Ratio Lower Upper
78 100
77 25.8 17.5 26.3
50 27.4 14.6 22.0#





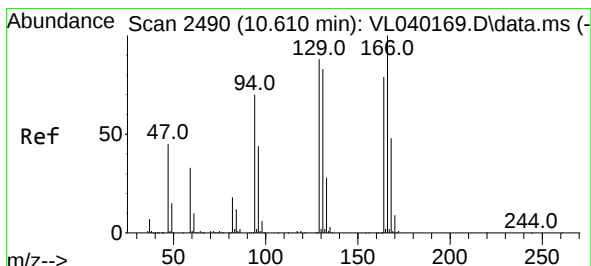
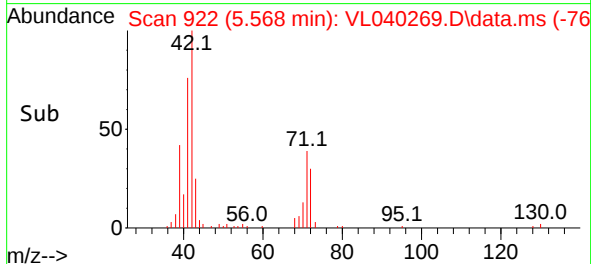
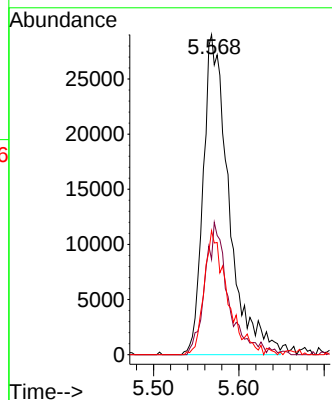
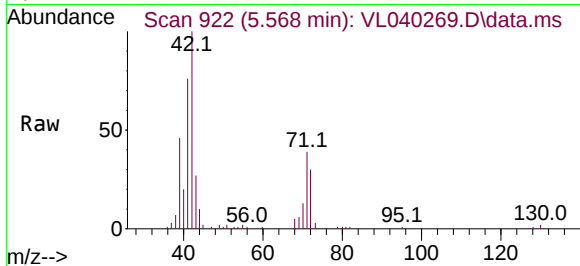
#41
Tetrahydrofuran
Concen: 1.056 ppbv m
RT: 5.568 min Scan# 915
Delta R.T. 0.016 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT

Tgt Ion: 42 Resp: 6086
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.4#
71 35.5 31.4 47.2

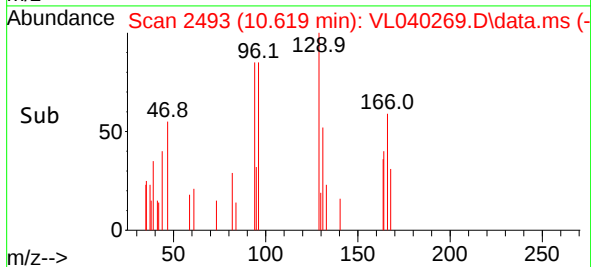
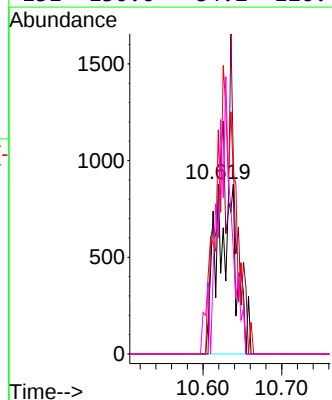
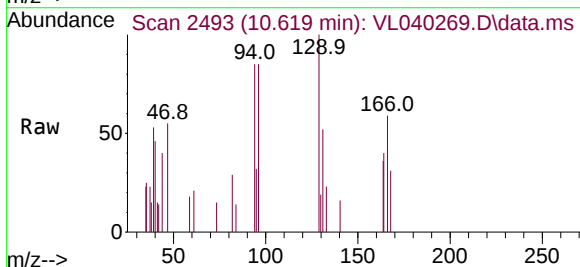
Manual Integrations
APPROVED

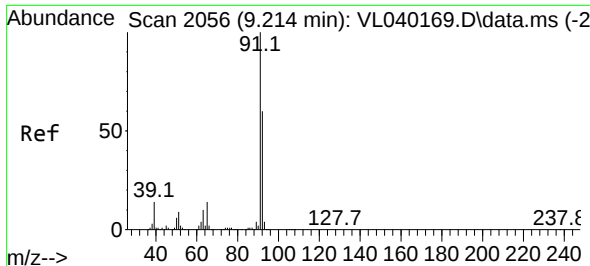
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#52
Tetrachloroethene
Concen: 0.031 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.003 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

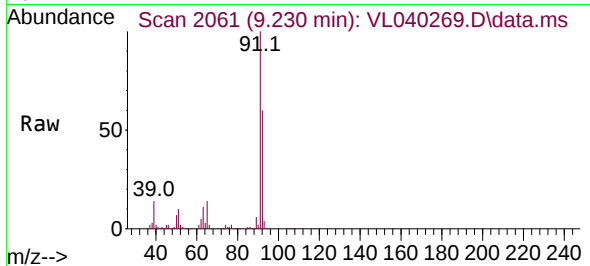
Tgt Ion:164 Resp: 1540
Ion Ratio Lower Upper
164 100
166 149.0 101.5 152.3
129 251.4 89.0 133.4#
131 130.6 84.2 126.4#





#53
Toluene
Concen: 4.187 ppbv
RT: 9.230 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

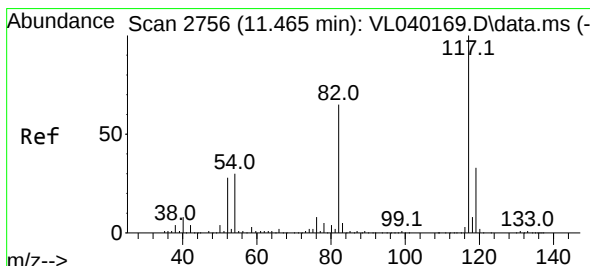
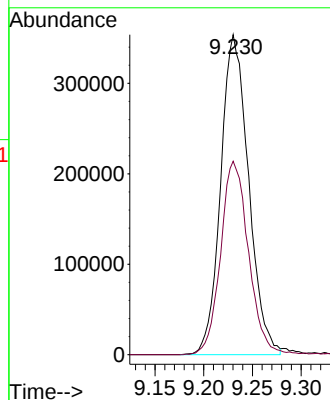
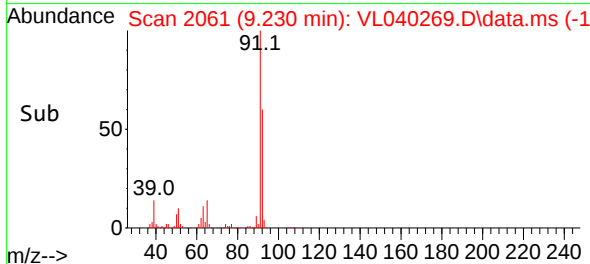
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT



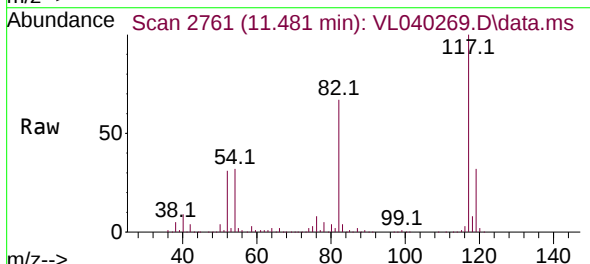
Tgt Ion: 91 Resp: 70352
Ion Ratio Lower Upper
91 100
92 61.1 48.9 73.3

Manual Integrations
APPROVED

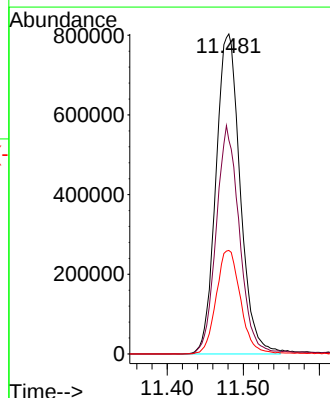
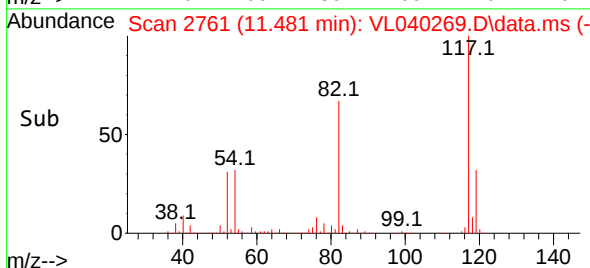
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

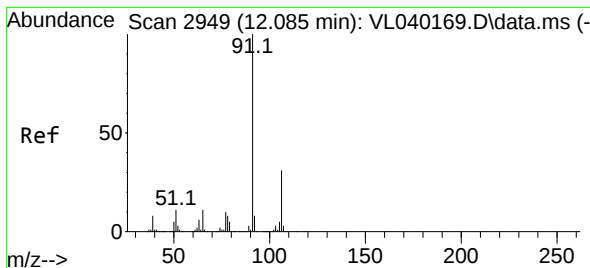


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.006 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46



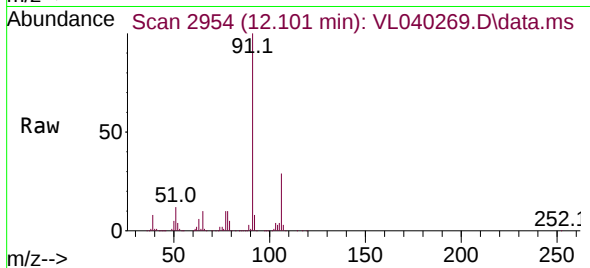
Tgt Ion:117 Resp: 1778609
Ion Ratio Lower Upper
117 100
82 69.6 53.3 79.9
119 32.7 24.6 37.0





#58
Ethyl Benzene
Concen: 4.024 ppbv
RT: 12.101 min Scan# 2949
Delta R.T. 0.006 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

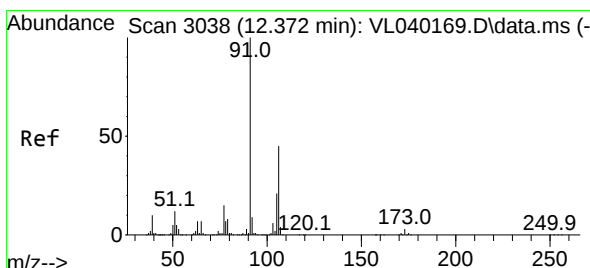
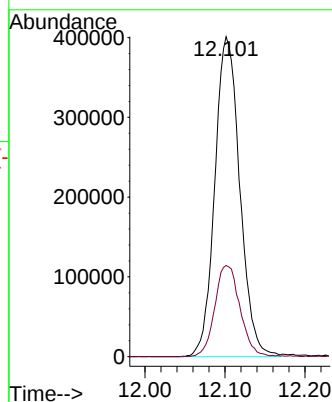
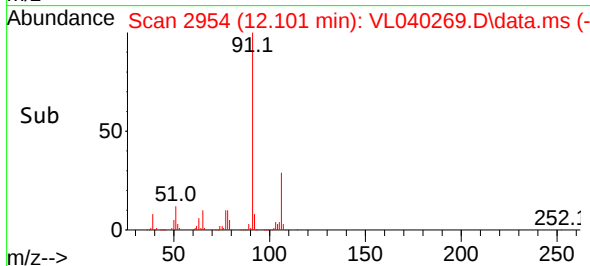
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT



Tgt Ion: 91 Resp: 869662
Ion Ratio Lower Upper
91 100
106 28.5 24.9 37.3

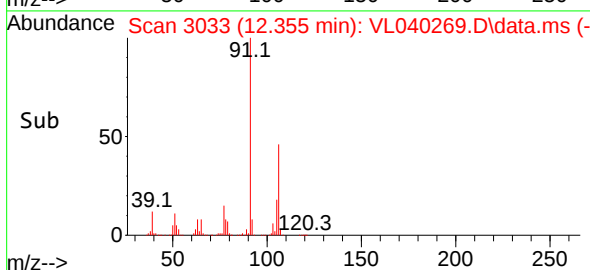
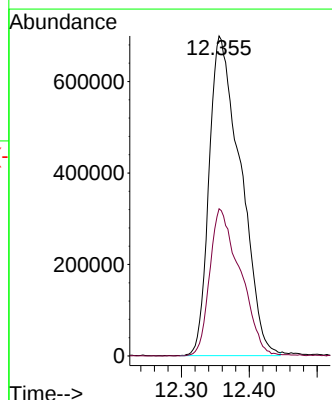
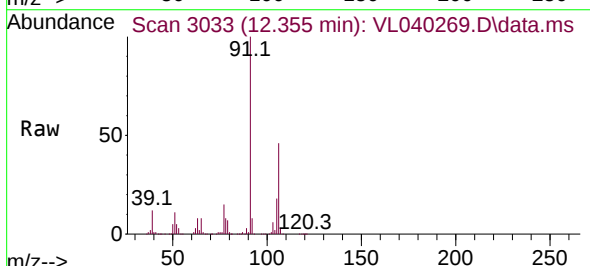
Manual Integrations
APPROVED

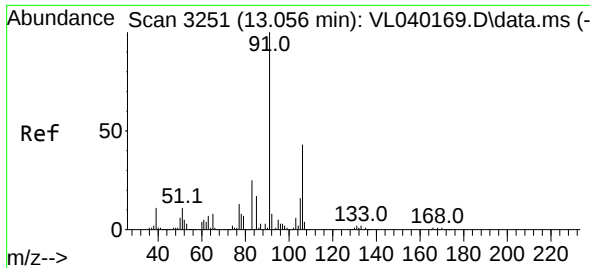
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#59
m/p-Xylene
Concen: 11.782 ppbv
RT: 12.355 min Scan# 3033
Delta R.T. -0.026 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

Tgt Ion: 91 Resp: 2255105
Ion Ratio Lower Upper
91 100
106 45.1 34.6 51.8





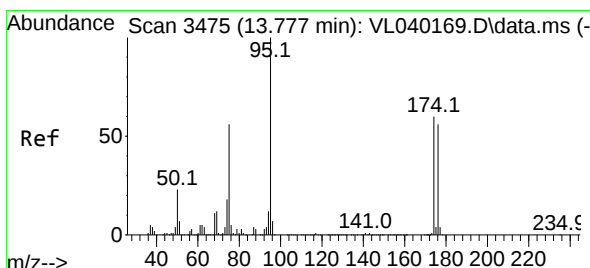
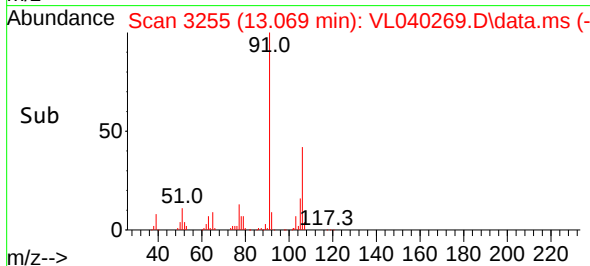
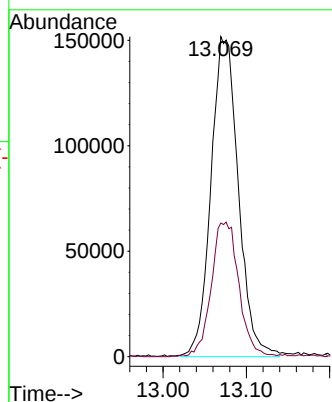
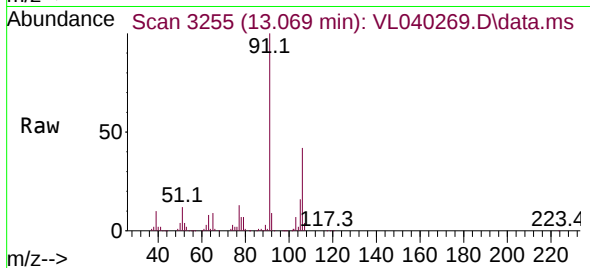
#60
o-Xylene
Concen: 1.882 ppbv m
RT: 13.069 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-FRONT

Tgt Ion: 91 Resp: 346660
Ion Ratio Lower Upper
91 100
106 42.5 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: 10.256 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.010 min
Lab File: VL040269.D
Acq: 13 Mar 2023 17:46

Tgt Ion: 95 Resp: 1499994
Ion Ratio Lower Upper
95 100
174 57.7 48.2 72.2
175 4.1 3.4 5.2

