

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090723\
 Data File : VL040673.D
 Acq On : 7 Sep 2023 15:45
 Operator : SY/MD
 Sample : 04323-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023

Quant Time: Sep 07 16:15:14 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

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

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	881431	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2274013	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	1937124	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1590048	10.321	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	63853	0.336	ppbv	96
3) Chlorodifluoromethane	2.668	51	39302m	0.272	ppbv	
4) Chloromethane	2.806	50	32791	0.581	ppbv	98
9) Propene	2.697	41	47420m	1.057	ppbv	
10) Heptane	7.584	43	24098m	0.233	ppbv	
11) Trichlorofluoromethane	3.555	101	42357m	0.276	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.066	101	8730	0.077	ppbv	91
13) Ethanol	3.247	45	119619m	9.558	ppbv	
15) Acetone	3.462	43	1203044	11.159	ppbv	96
20) Methylene Chloride	3.928	84	652502	12.385	ppbv	96
26) Hexane	5.211	57	227319	2.320	ppbv #	42
34) 2-Butanone	4.793	43	60643	0.529	ppbv	99
35) Carbon Tetrachloride	6.507	117	12076m	0.085	ppbv	
36) Benzene	6.378	78	61911m	0.342	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	101272m	0.346	ppbv	
52) Tetrachloroethene	10.619	164	3187m	0.056	ppbv	
53) Toluene	9.230	91	190076	0.989	ppbv	97
58) Ethyl Benzene	12.098	91	41863m	0.179	ppbv	
59) m/p-Xylene	12.359	91	100064m	0.470	ppbv	
60) o-Xylene	13.076	91	35651m	0.177	ppbv	

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

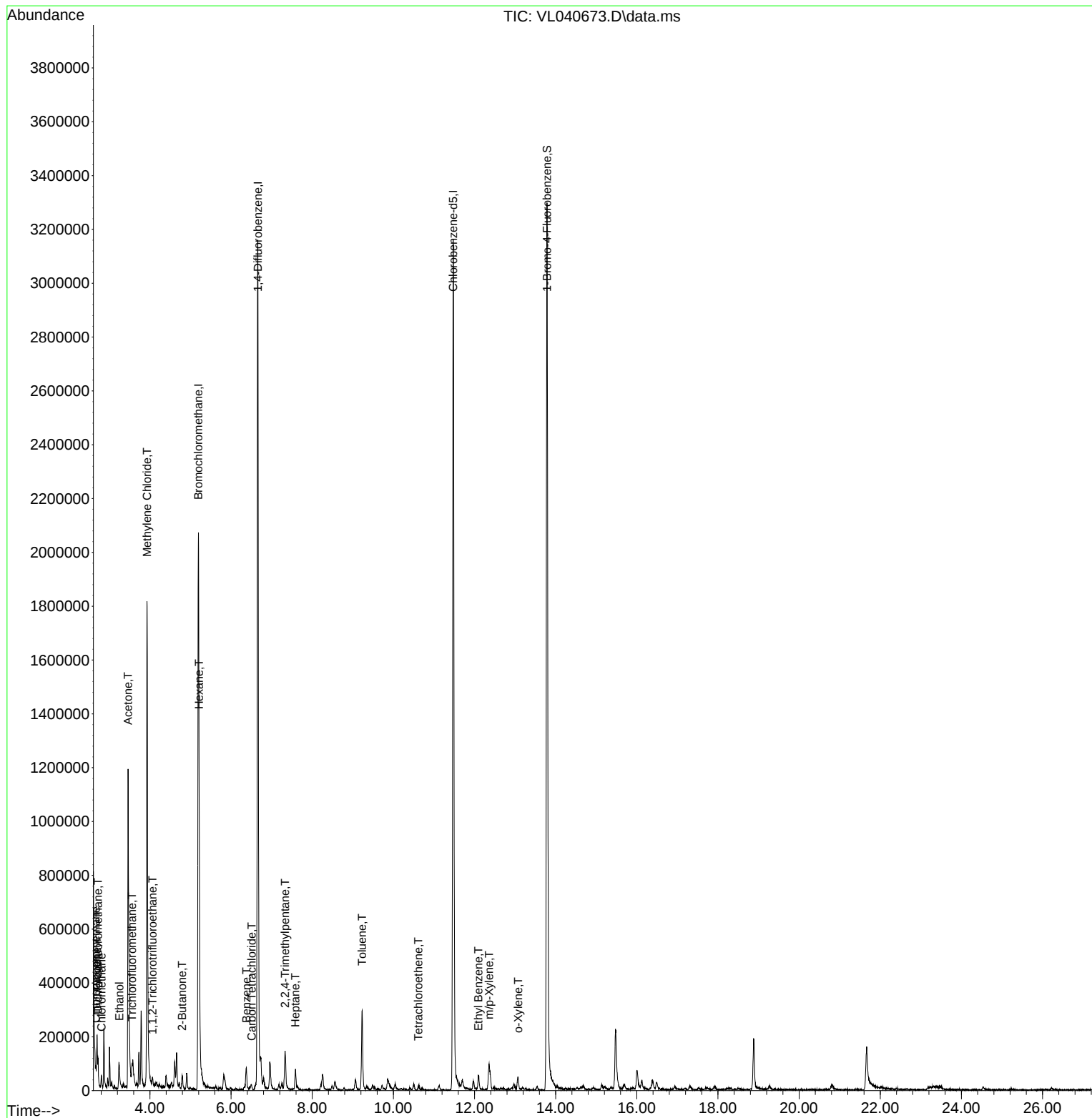
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090723\
Data File : VL040673.D
Acq On : 7 Sep 2023 15:45
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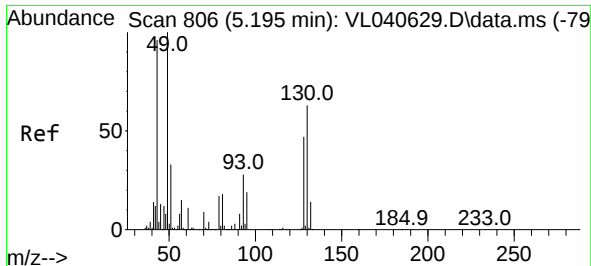
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Sep 07 16:15:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration

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Supervised By : Mahesh Dadoda 09/11/2023





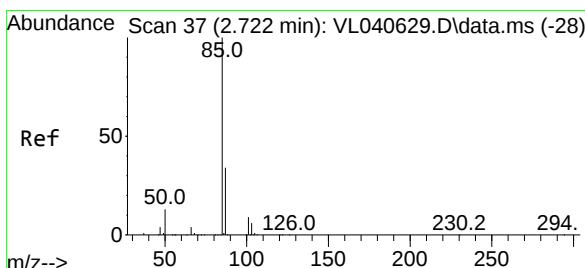
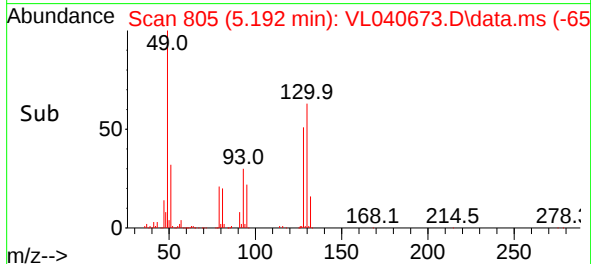
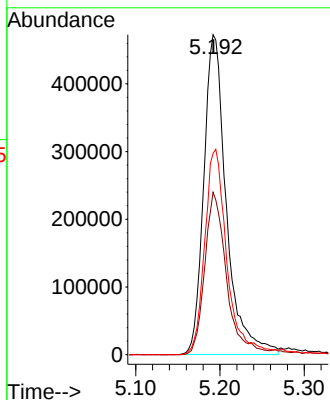
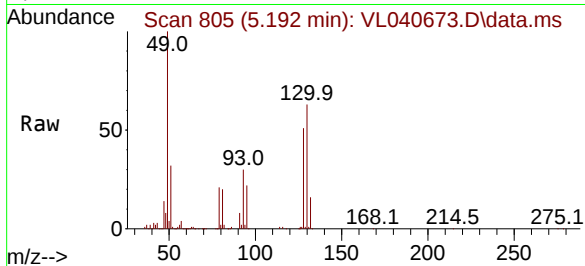
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 88143
Ion Ratio Lower Upper
49 100
128 50.8 24.9 74.7
130 64.9 32.2 96.6

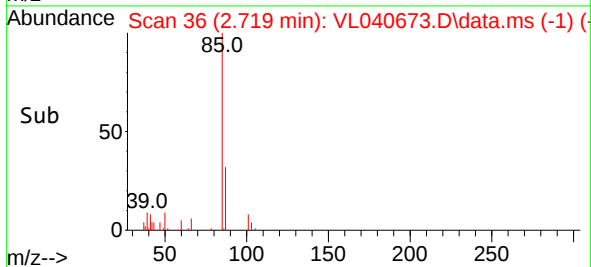
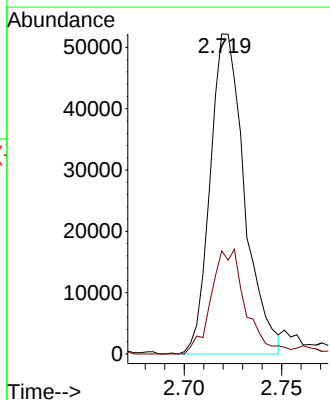
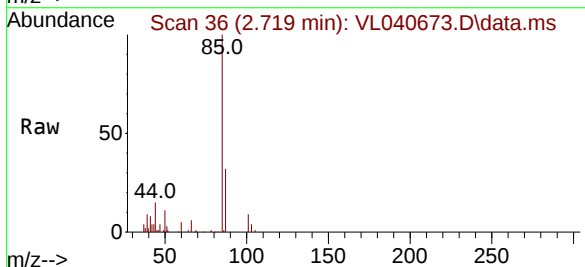
Manual Integrations
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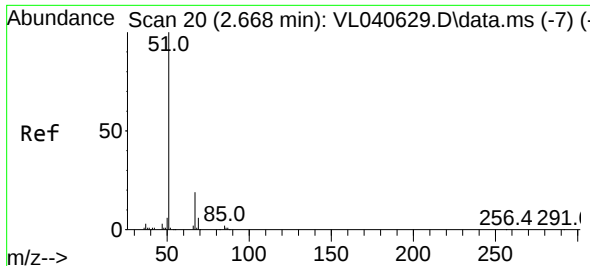
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#2
Dichlorodifluoromethane
Concen: 0.336 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

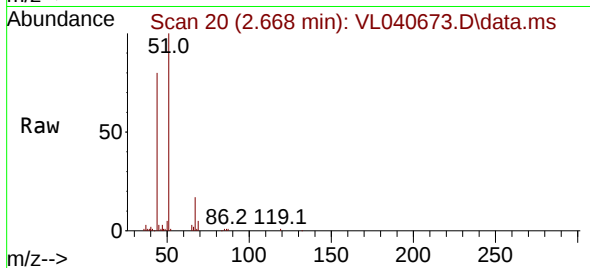
Tgt Ion: 85 Resp: 63853
Ion Ratio Lower Upper
85 100
87 32.2 27.5 41.3





#3
Chlorodifluoromethane
Concen: 0.272 ppbv m
RT: 2.668 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

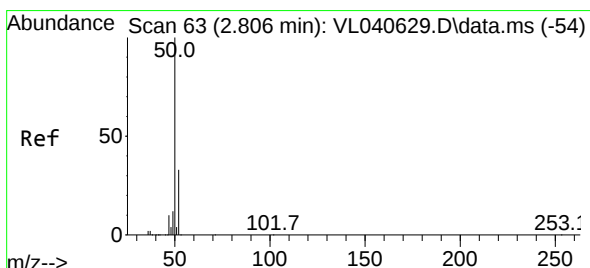
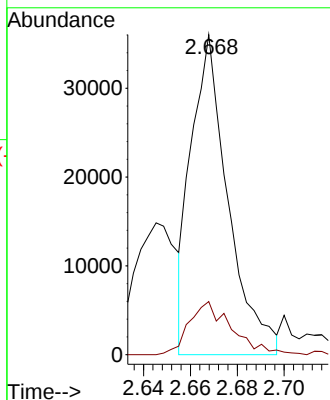
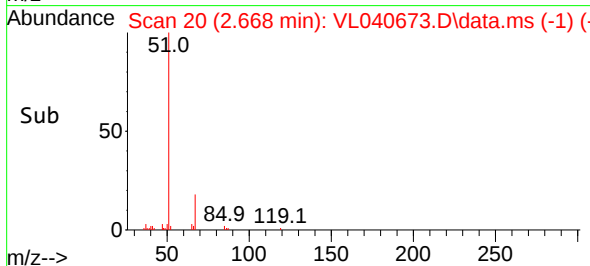
Instrument :
MSVOA_L
ClientSampleId :
OA1



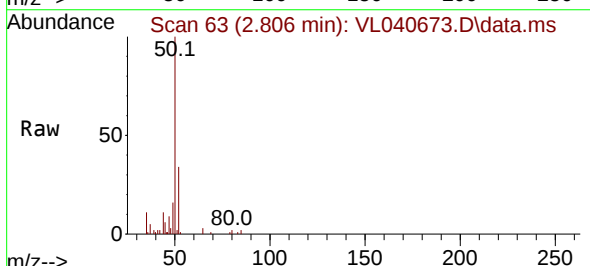
Tgt Ion: 51 Resp: 39302
Ion Ratio Lower Upper
51 100
67 19.2 15.0 22.6

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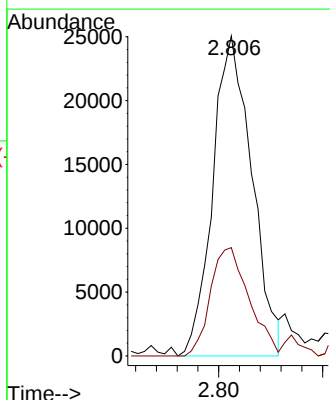
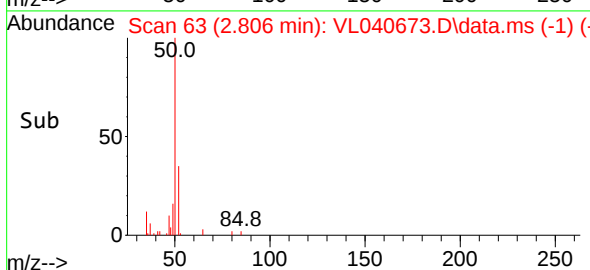
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

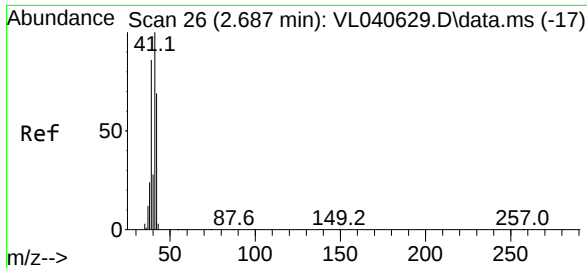


#4
Chloromethane
Concen: 0.581 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.000 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45



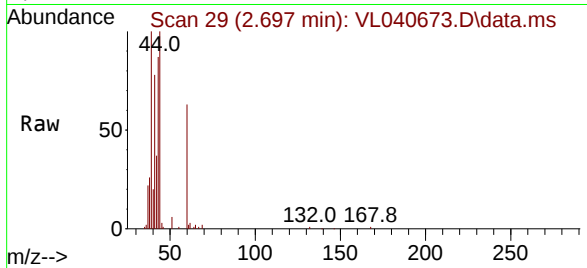
Tgt Ion: 50 Resp: 32791
Ion Ratio Lower Upper
50 100
52 33.9 26.2 39.2





#9
 Propene
 Concen: 1.057 ppbv m
 RT: 2.697 min Scan# 24
 Delta R.T. 0.010 min
 Lab File: VL040673.D
 Acq: 7 Sep 2023 15:45

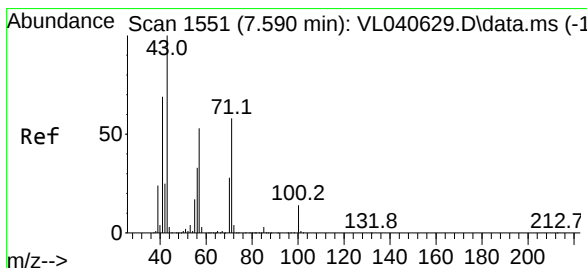
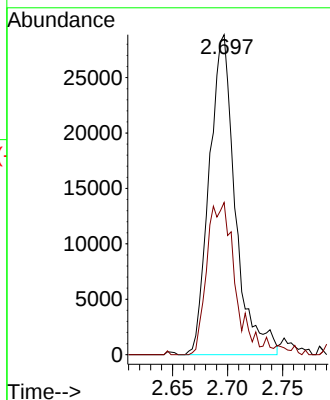
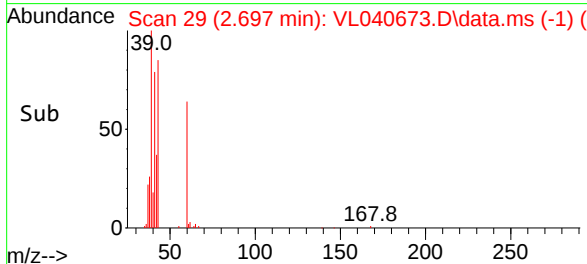
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 47420
 Ion Ratio Lower Upper
 41 100
 42 3.6 56.5 84.7

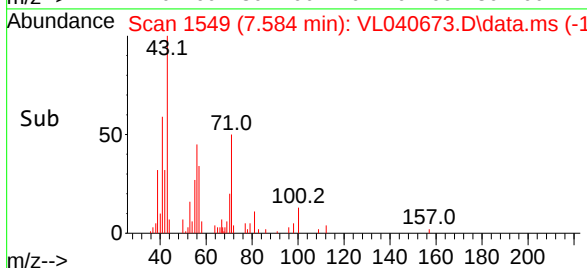
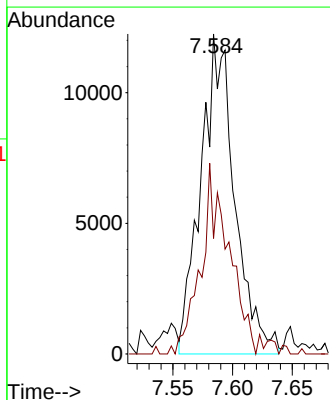
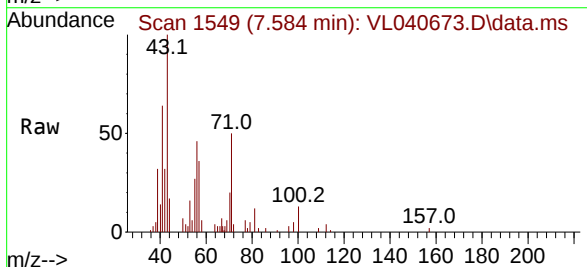
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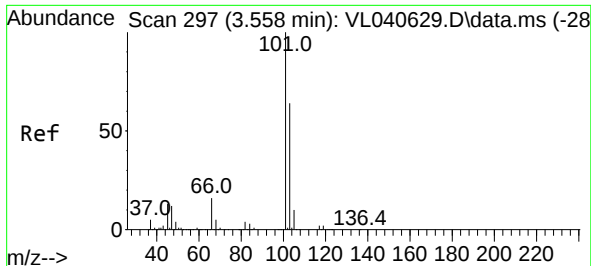
Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023



#10
 Heptane
 Concen: 0.233 ppbv m
 RT: 7.584 min Scan# 1549
 Delta R.T. -0.006 min
 Lab File: VL040673.D
 Acq: 7 Sep 2023 15:45

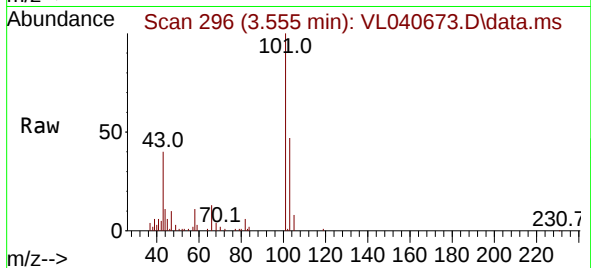
Tgt Ion: 43 Resp: 24098
 Ion Ratio Lower Upper
 43 100
 57 51.5 42.5 63.7





#11
Trichlorofluoromethane
Concen: 0.276 ppbv m
RT: 3.555 min Scan# 297
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

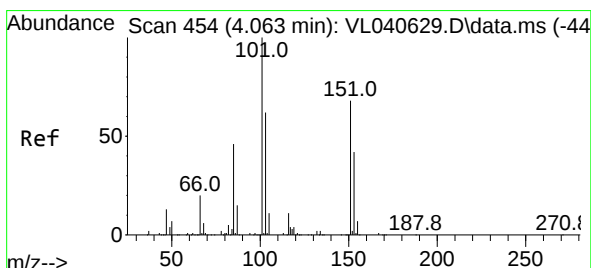
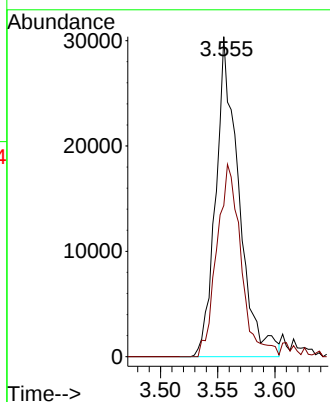
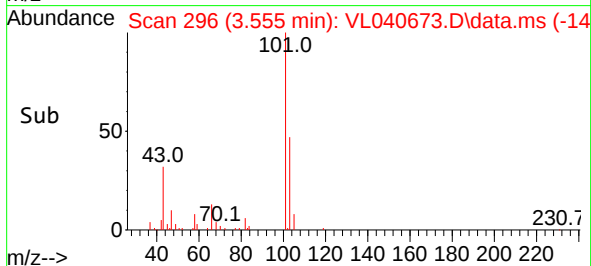
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:101 Resp: 4235
Ion Ratio Lower Upper
101 100
103 47.3 51.1 76.7

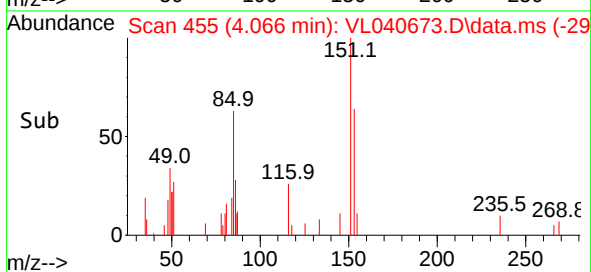
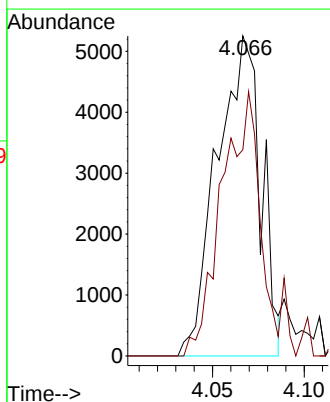
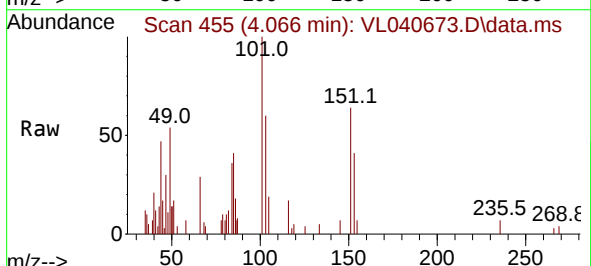
Manual Integrations
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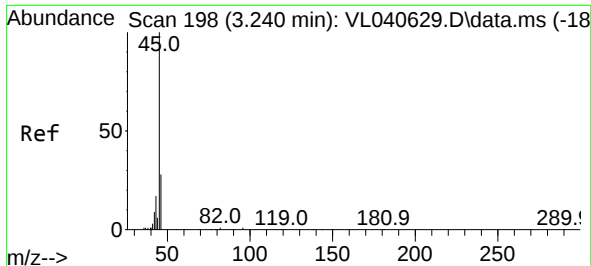
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.077 ppbv
RT: 4.066 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

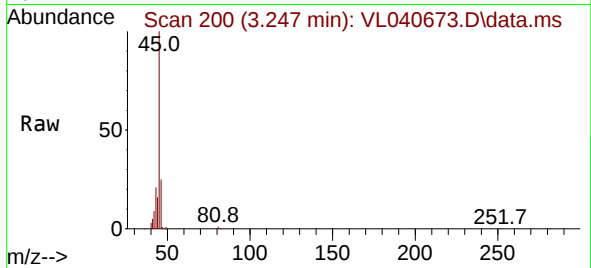
Tgt Ion:101 Resp: 8730
Ion Ratio Lower Upper
101 100
151 77.5 56.2 84.2





#13
Ethanol
Concen: 9.558 ppbv m
RT: 3.247 min Scan# 200
Delta R.T. 0.006 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

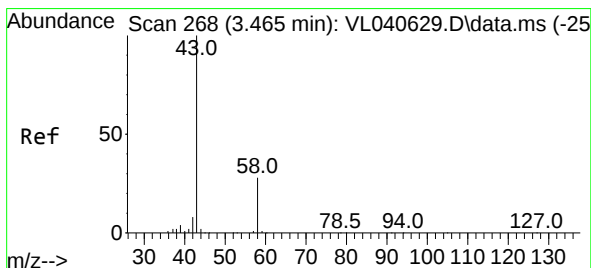
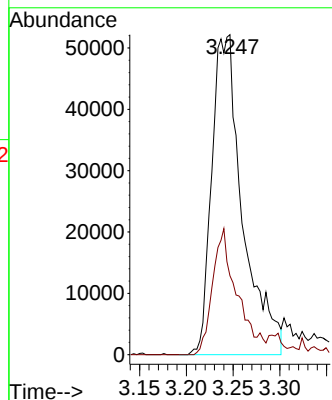
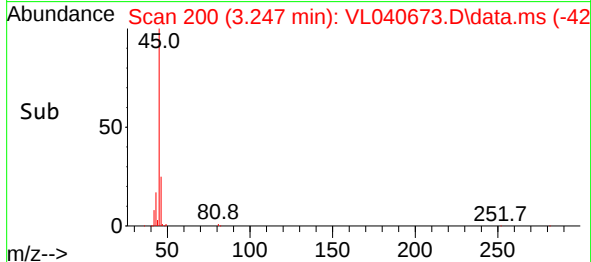
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 45 Resp: 119619
Ion Ratio Lower Upper
45 100
46 34.8 14.2 56.6

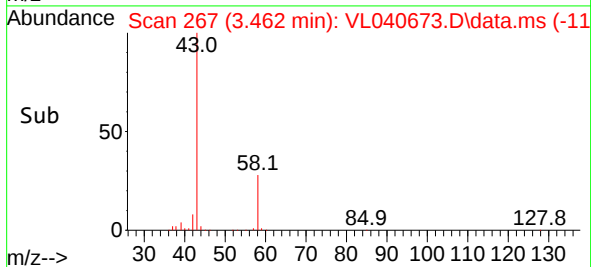
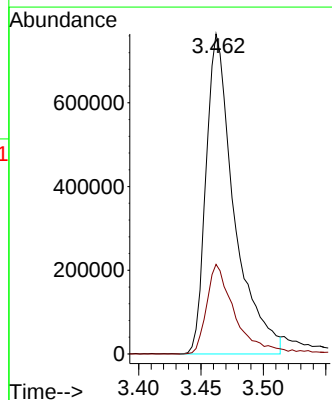
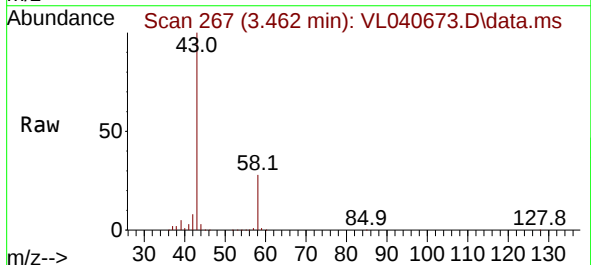
Manual Integrations
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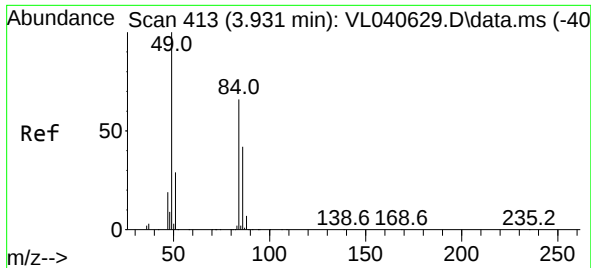
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#15
Acetone
Concen: 11.159 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

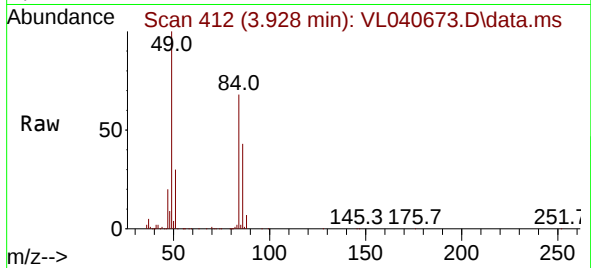
Tgt Ion: 43 Resp: 1203044
Ion Ratio Lower Upper
43 100
58 29.9 22.4 33.6





#20
Methylene Chloride
Concen: 12.385 ppbv
RT: 3.928 min Scan# 413
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

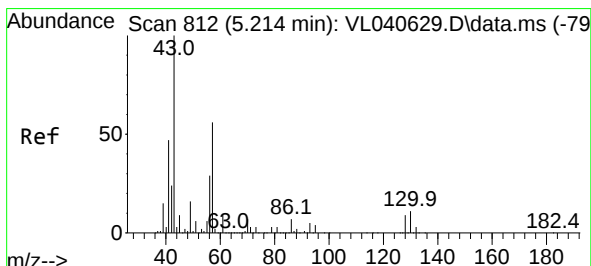
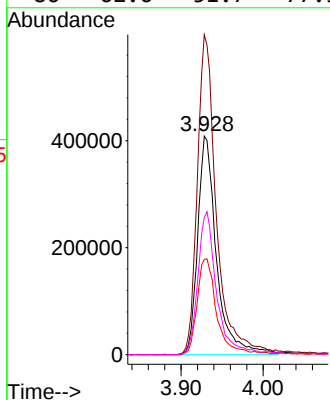
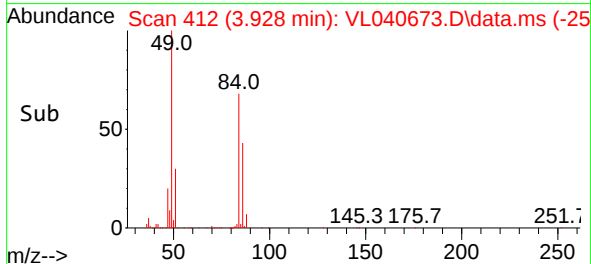
Instrument :
MSVOA_L
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OA1



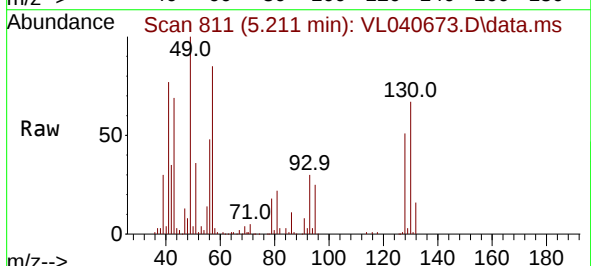
Tgt Ion: 84 Resp: 65250
Ion Ratio Lower Upper
84 100
49 146.2 122.1 183.1
51 43.6 35.4 53.2
86 62.6 51.7 77.5

Manual Integrations
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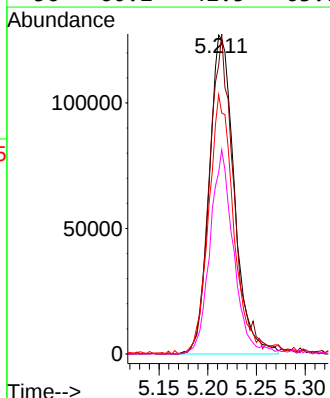
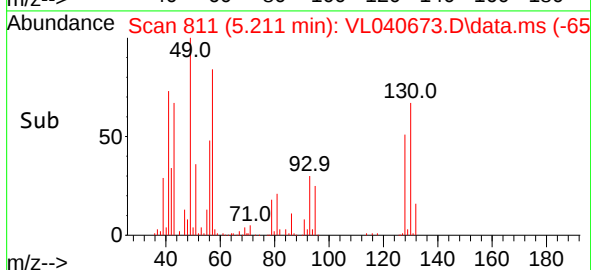
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

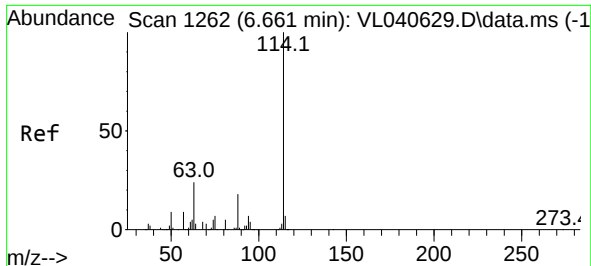


#26
Hexane
Concen: 2.320 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45



Tgt Ion: 57 Resp: 227319
Ion Ratio Lower Upper
57 100
41 98.7 69.3 103.9
43 82.6 177.9 266.9#
56 60.2 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040673.D

Acq: 7 Sep 2023 15:45

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 227401

Ion Ratio Lower Upper

114 100

63 26.0 20.2 30.2

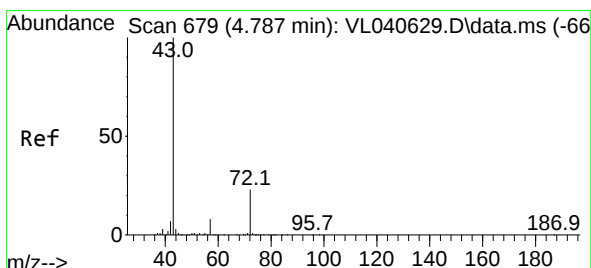
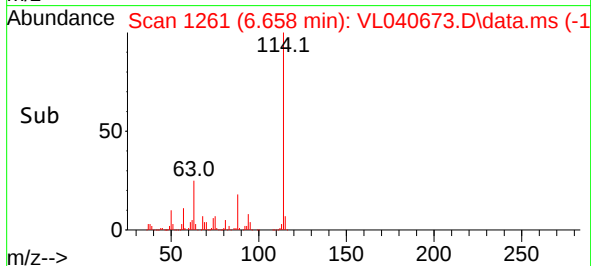
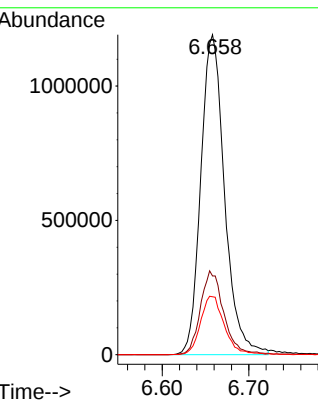
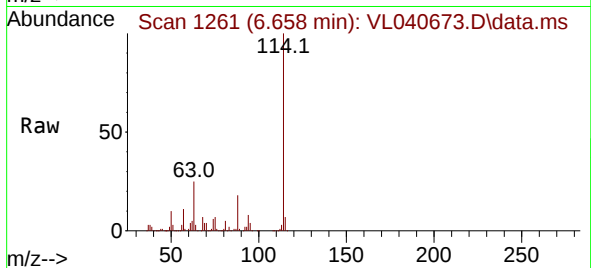
88 18.4 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#34

2-Butanone

Concen: 0.529 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.006 min

Lab File: VL040673.D

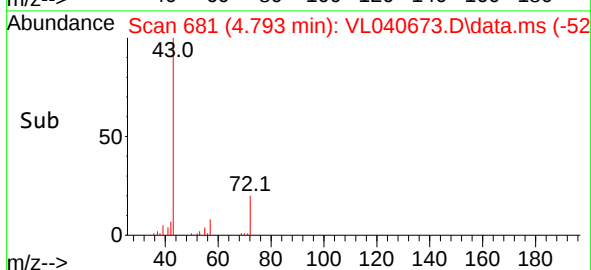
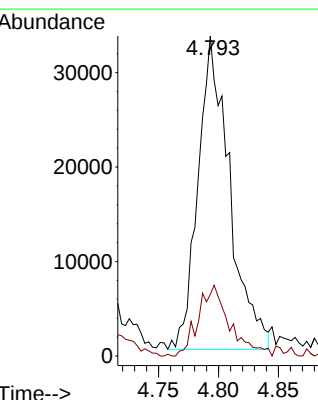
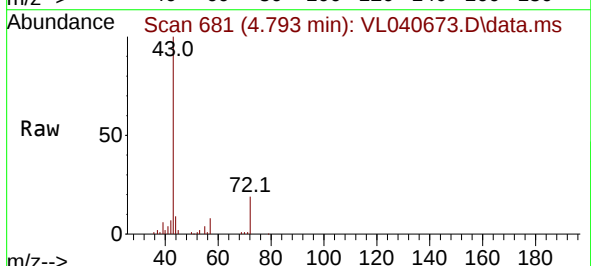
Acq: 7 Sep 2023 15:45

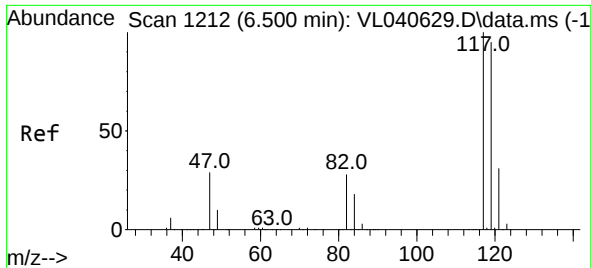
Tgt Ion: 43 Resp: 60643

Ion Ratio Lower Upper

43 100

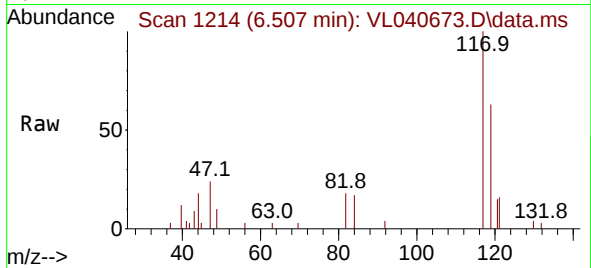
72 23.6 19.2 28.8





#35
Carbon Tetrachloride
Concen: 0.085 ppbv m
RT: 6.507 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

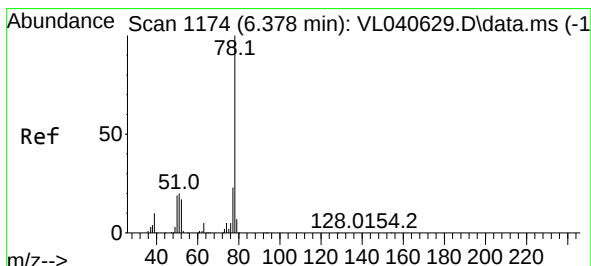
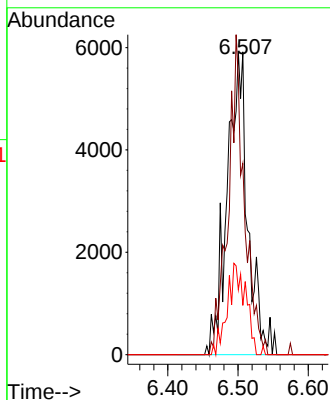
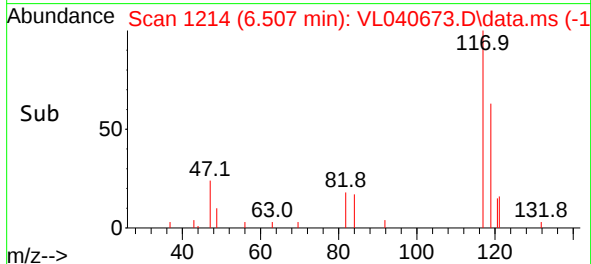
Instrument : MSVOA_L
ClientSampleId : OA1



Tgt Ion: 117 Resp: 12070
Ion Ratio Lower Upper
117 100
119 63.1 75.6 113.4
121 16.2 24.9 37.3

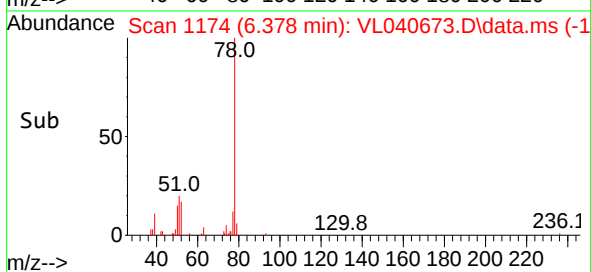
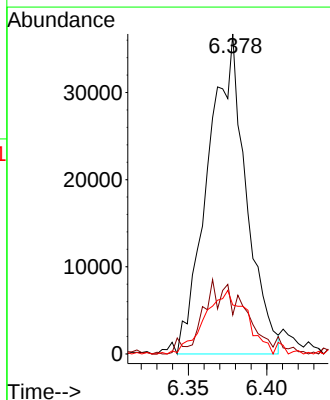
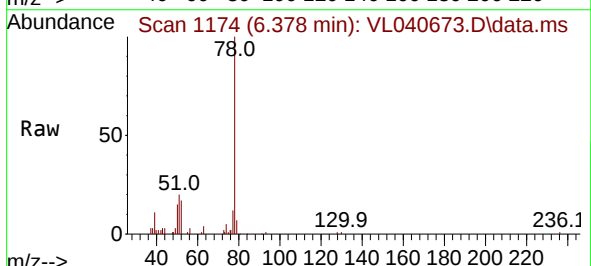
Manual Integrations
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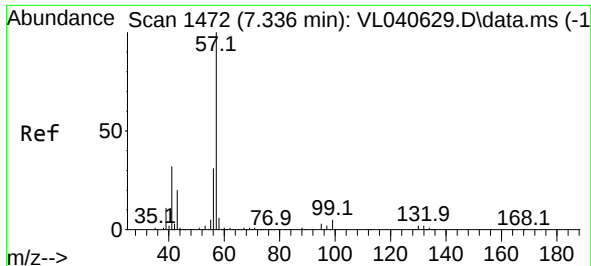
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#36
Benzene
Concen: 0.342 ppbv m
RT: 6.378 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

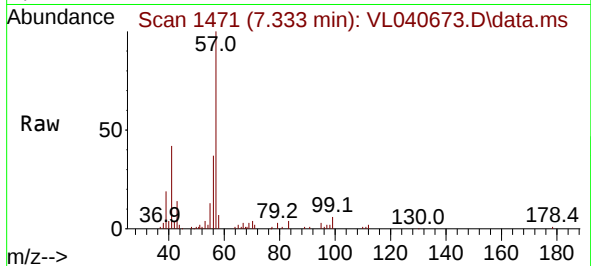
Tgt Ion: 78 Resp: 61911
Ion Ratio Lower Upper
78 100
77 12.2 18.2 27.2
50 15.3 15.0 22.6





#44
2,2,4-Trimethylpentane
Concen: 0.346 ppbv m
RT: 7.333 min Scan# 1471
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

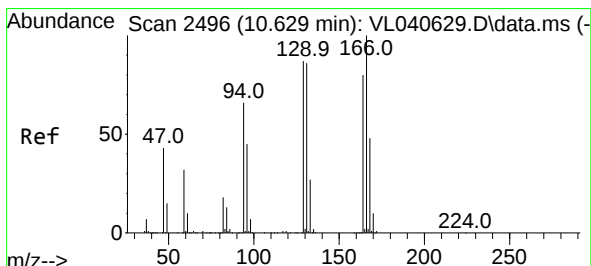
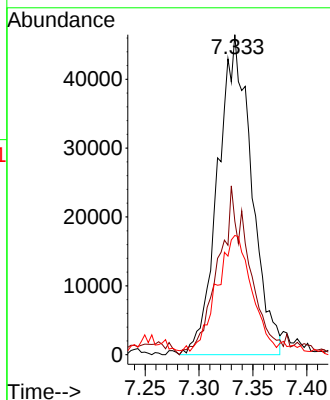
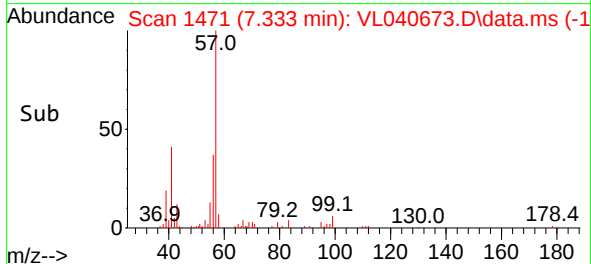
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 101272
Ion Ratio Lower Upper
57 100
41 52.5 26.2 39.4#
56 42.5 24.7 37.1#

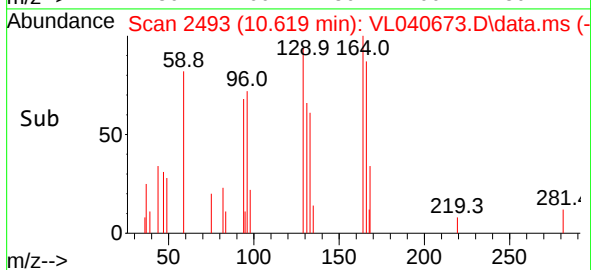
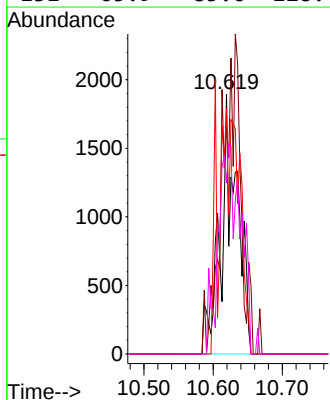
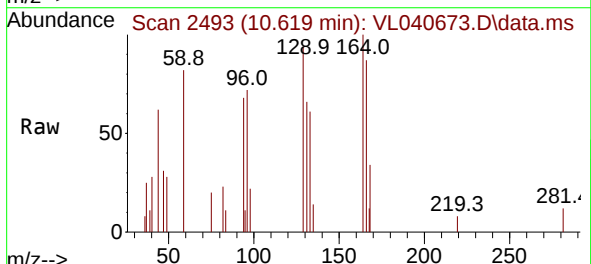
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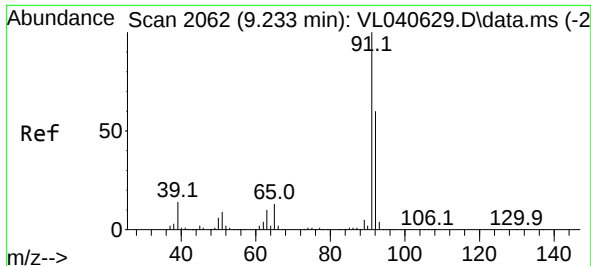
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#52
Tetrachloroethene
Concen: 0.056 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.010 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

Tgt Ion:164 Resp: 3187
Ion Ratio Lower Upper
164 100
166 87.4 99.5 149.3#
129 94.4 86.9 130.3
131 65.9 85.6 128.4#





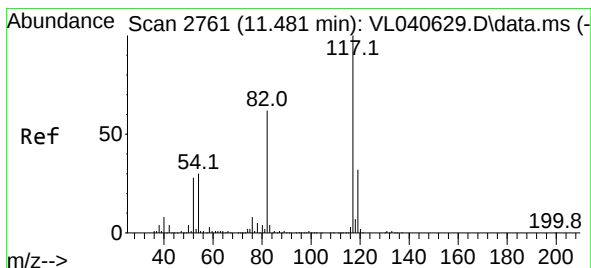
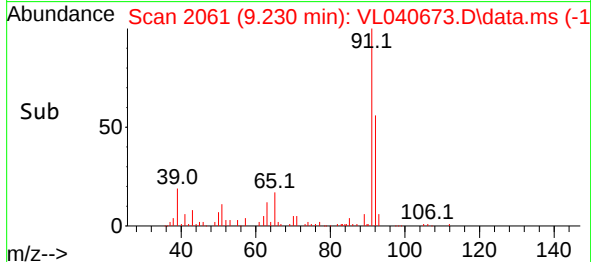
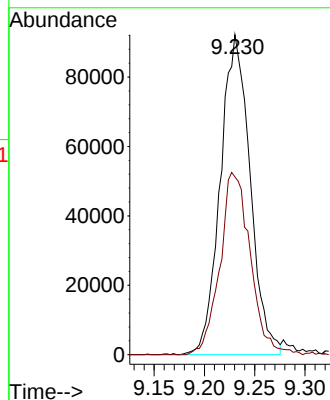
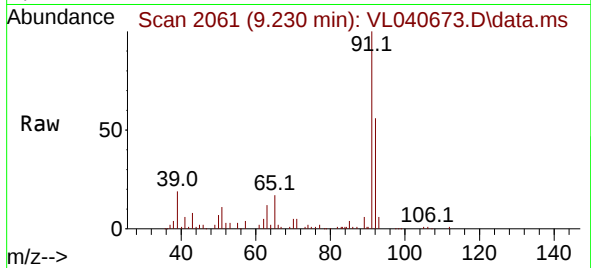
#53
Toluene
Concen: 0.989 ppbv
RT: 9.230 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 190070
Ion Ratio Lower Upper
91 100
92 58.0 48.0 72.0

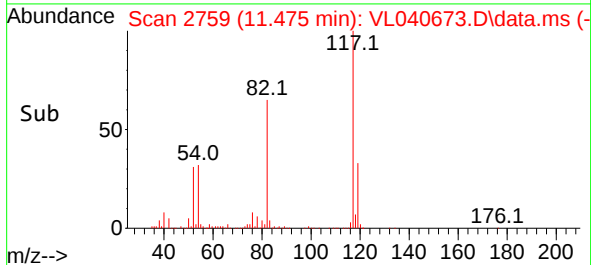
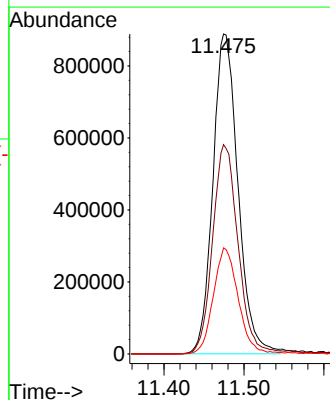
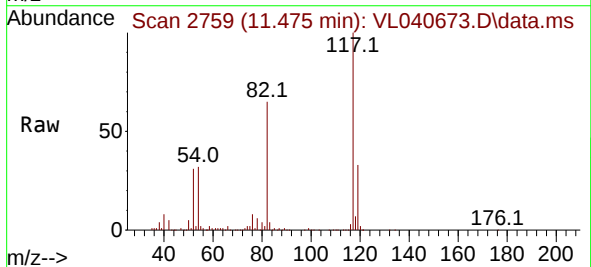
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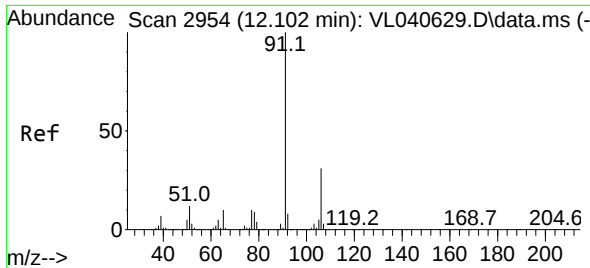
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. -0.006 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

Tgt Ion:117 Resp: 1937124
Ion Ratio Lower Upper
117 100
82 67.4 49.5 74.3
119 33.1 24.5 36.7





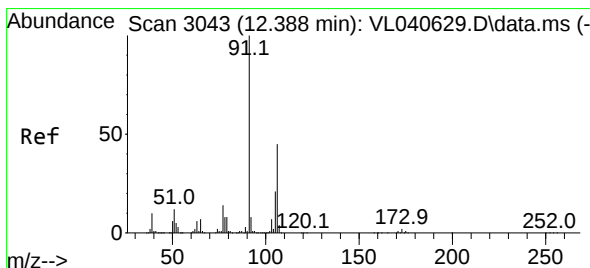
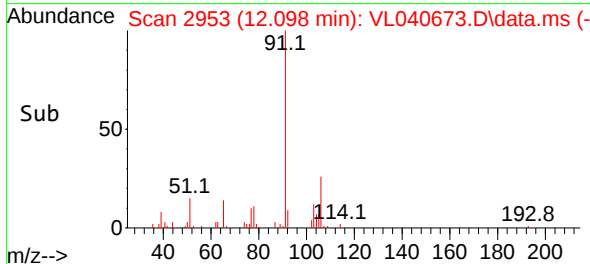
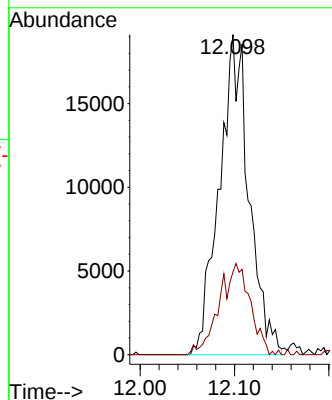
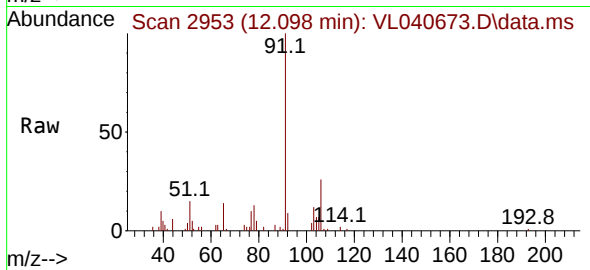
#58
Ethyl Benzene
Concen: 0.179 ppbv m
RT: 12.098 min Scan# 2953
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 4186
Ion Ratio Lower Upper
91 100
106 25.8 24.6 36.8

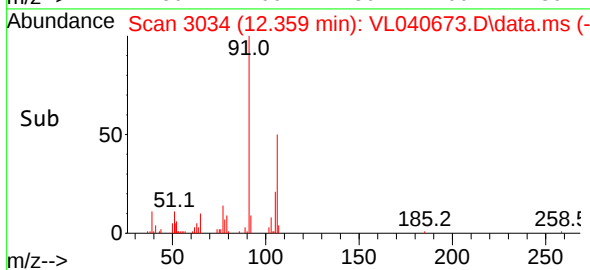
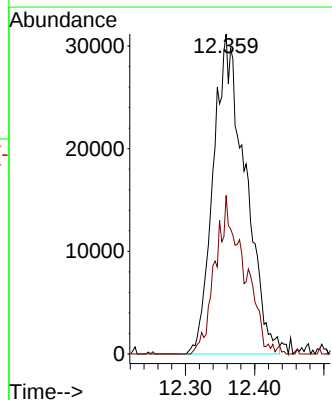
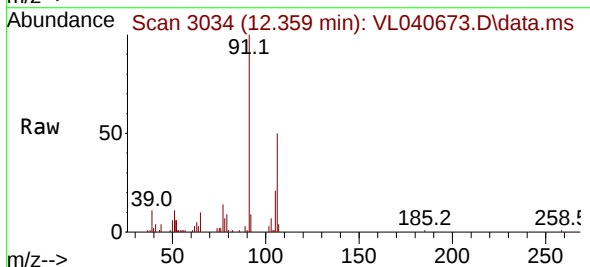
Manual Integrations
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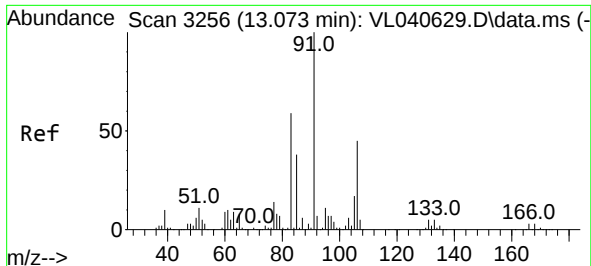
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#59
m/p-Xylene
Concen: 0.470 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.029 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

Tgt Ion: 91 Resp: 100064
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#





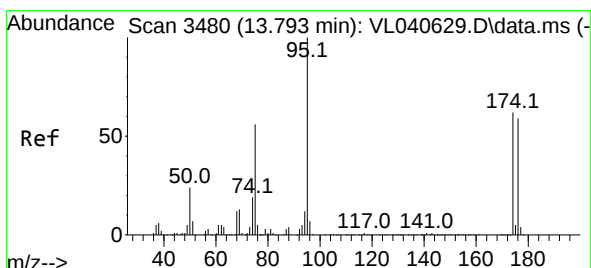
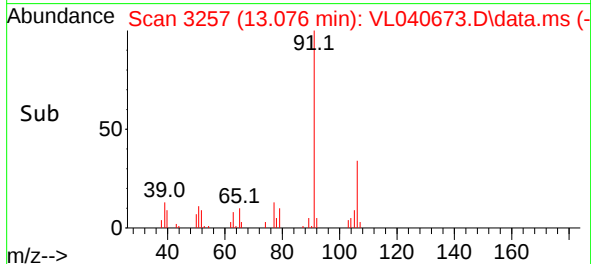
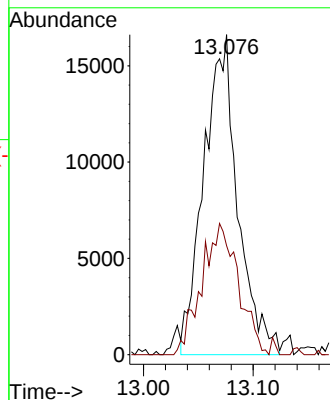
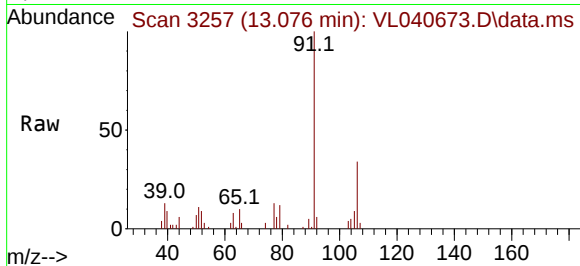
#60
o-Xylene
Concen: 0.177 ppbv m
RT: 13.076 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 3565
Ion Ratio Lower Upper
91 100
106 45.2 22.5 67.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.321 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. -0.003 min
Lab File: VL040673.D
Acq: 7 Sep 2023 15:45

Tgt Ion: 95 Resp: 1590048
Ion Ratio Lower Upper
95 100
174 62.5 49.1 73.7
175 4.4 3.7 5.5

