

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040661.D
 Acq On : 6 Sep 2023 00:28
 Operator : SY/MD
 Sample : 04281-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023
 Supervised By :Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 02:08:58 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	5.182	49	709455	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.648	114	1865644	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.468	117	1550761	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1289214	10.453	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	85495	0.559	ppbv	93
3) Chlorodifluoromethane	2.658	51	34850	0.299	ppbv	100
4) Chloromethane	2.796	50	24031	0.529	ppbv	92
9) Propene	2.690	41	13526	0.375	ppbv	91
11) Trichlorofluoromethane	3.549	101	40776	0.331	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	8292m	0.091	ppbv	
13) Ethanol	3.237	45	29381	2.917	ppbv	90
15) Acetone	3.459	43	498190	5.741	ppbv	95
19) Isopropyl Alcohol	3.584	45	57741m	1.049	ppbv	
20) Methylene Chloride	3.925	84	171815	4.052	ppbv	94
26) Hexane	5.208	57	121625	1.542	ppbv #	43
34) 2-Butanone	4.790	43	29171m	0.310	ppbv	
35) Carbon Tetrachloride	6.488	117	9960m	0.085	ppbv	
36) Benzene	6.362	78	13279m	0.089	ppbv	
41) Tetrahydrofuran	5.578	42	5741m	0.108	ppbv	
53) Toluene	9.217	91	15691m	0.099	ppbv	

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

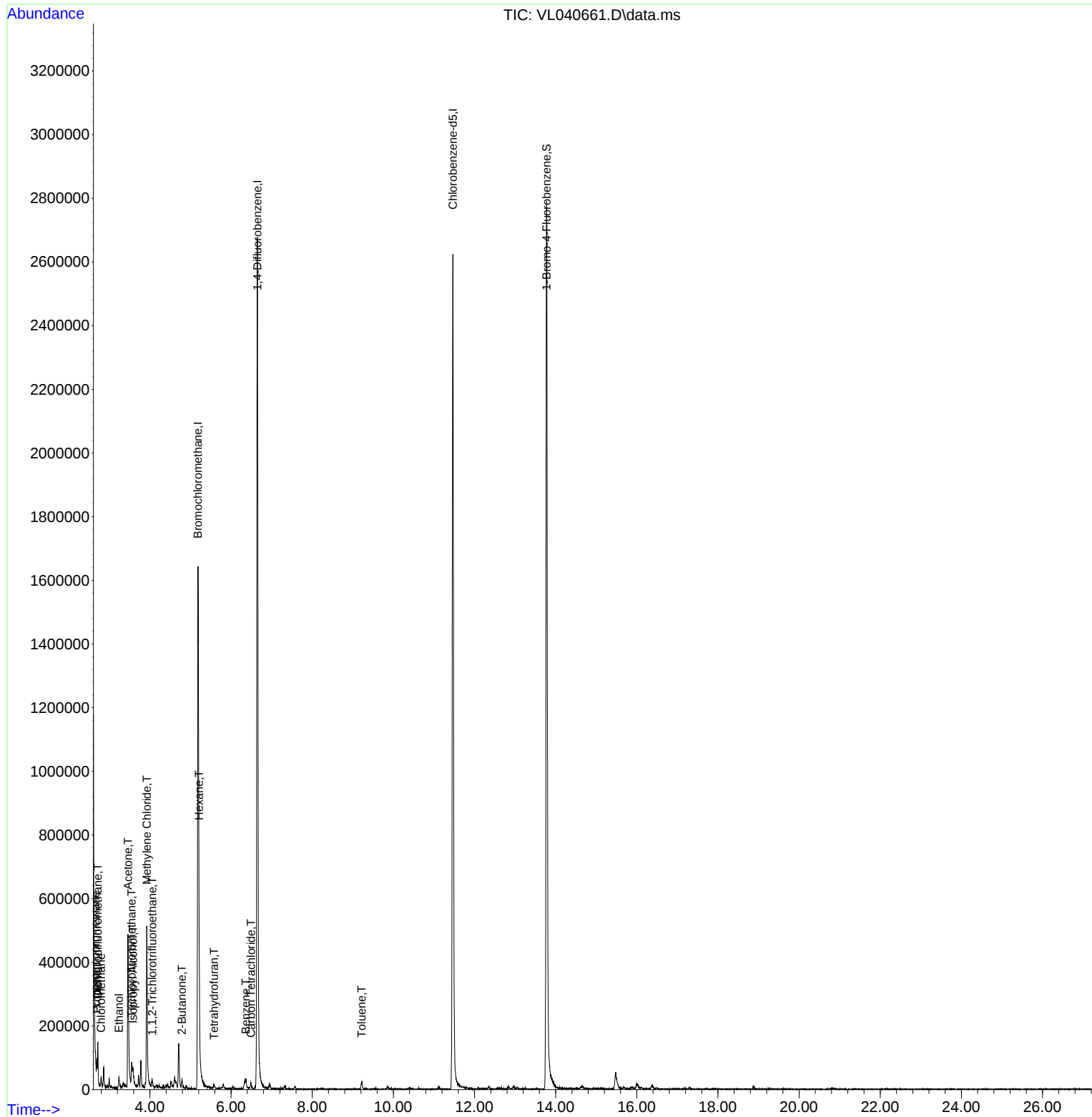
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
Data File : VL040661.D
Acq On : 6 Sep 2023 00:28
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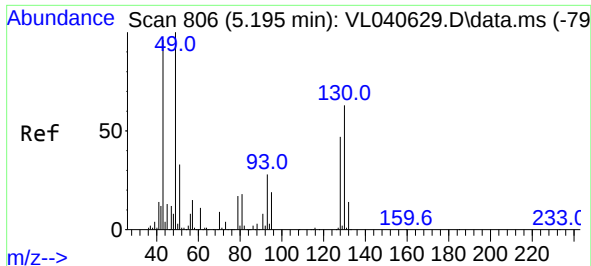
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Sep 06 02:08:58 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

Manual Integrations
APPROVED

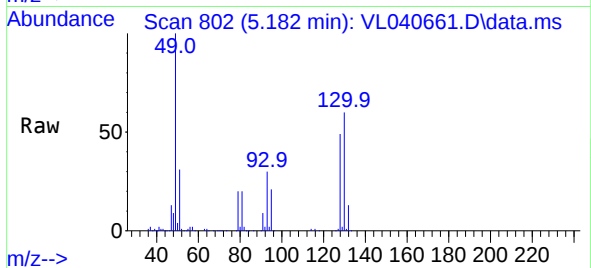
Reviewed By : Semsettin Yesilyurt 09/06/2023
Supervised By : Mahesh Dadoda 09/06/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

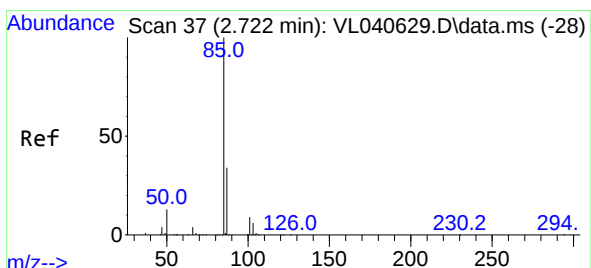
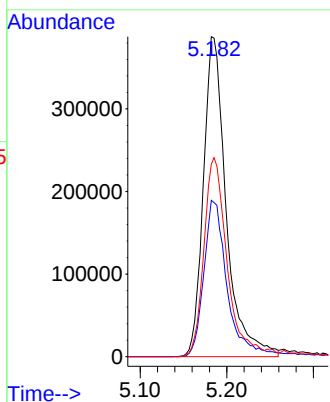
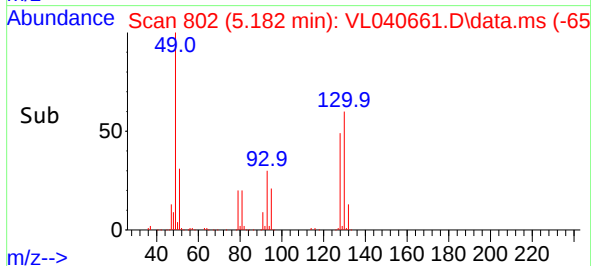
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 70945
Ion Ratio Lower Upper
49 100
128 51.7 24.9 74.7
130 65.8 32.2 96.6

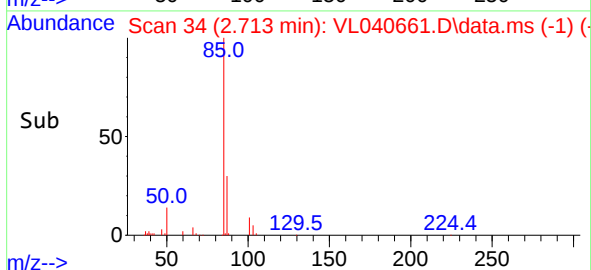
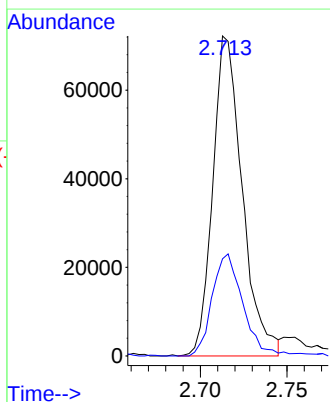
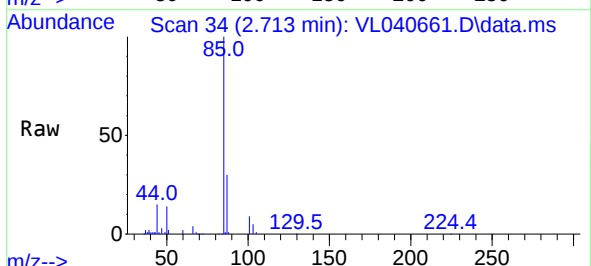
Manual Integrations
APPROVED

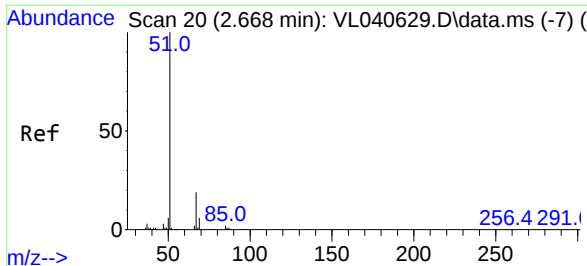
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#2
Dichlorodifluoromethane
Concen: 0.559 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.010 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

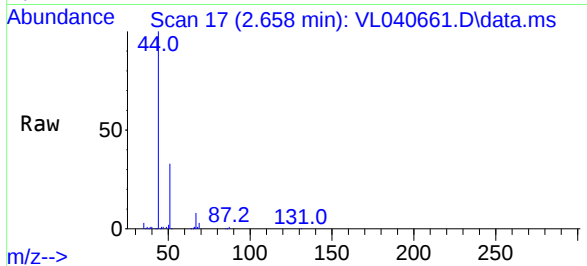
Tgt Ion: 85 Resp: 85495
Ion Ratio Lower Upper
85 100
87 30.4 27.5 41.3





#3
Chlorodifluoromethane
Concen: 0.299 ppbv
RT: 2.658 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

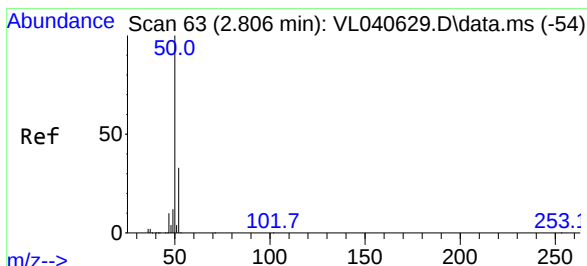
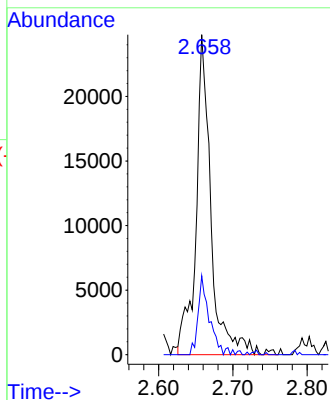
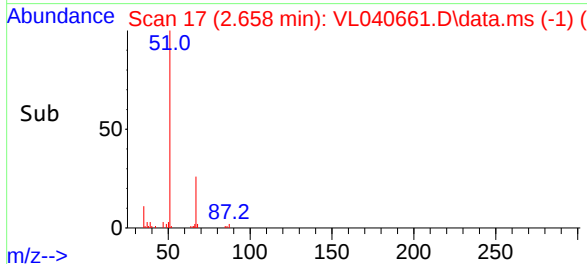
Instrument :
MSVOA_L
ClientSampleId :
OA1



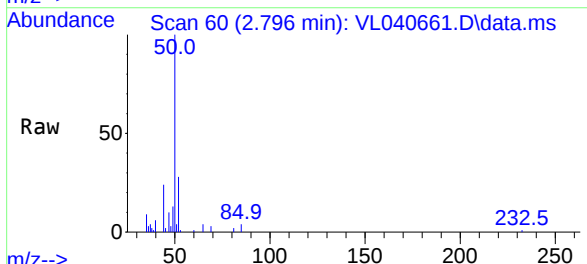
Tgt Ion: 51 Resp: 34850
Ion Ratio Lower Upper
51 100
67 19.0 15.0 22.6

Manual Integrations
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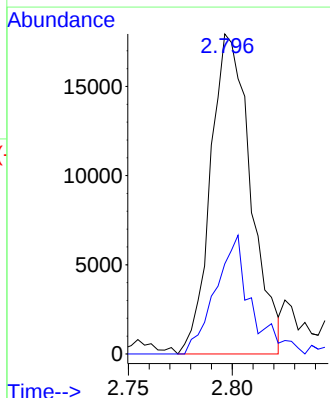
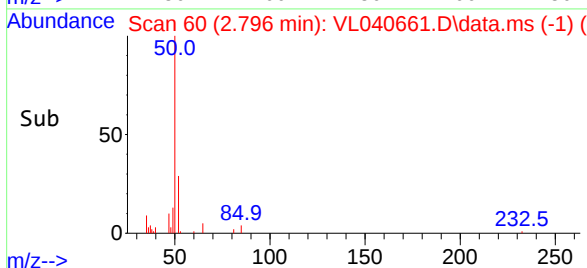
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



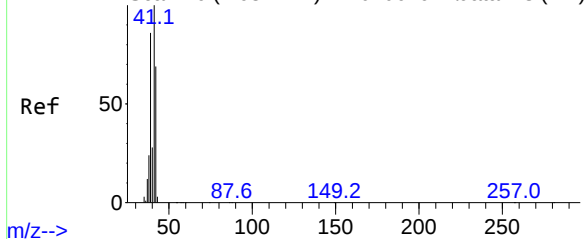
#4
Chloromethane
Concen: 0.529 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.010 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28



Tgt Ion: 50 Resp: 24031
Ion Ratio Lower Upper
50 100
52 28.2 26.2 39.2



Abundance Scan 26 (2.687 min): VL040629.D\data.ms (-17)



#9

Propene

Concen: 0.375 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040661.D

Acq: 6 Sep 2023 00:28

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 41 Resp: 13520

Ion Ratio Lower Upper

41 100

42 62.8 56.5 84.7

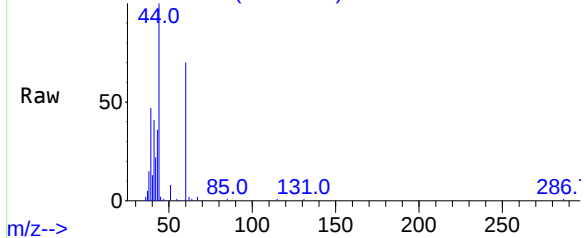
Manual Integrations

APPROVED

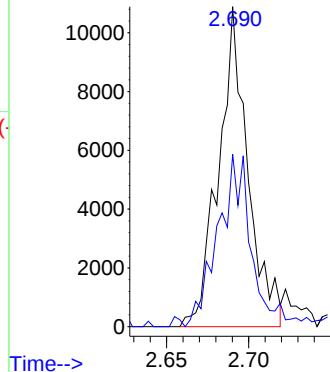
Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023

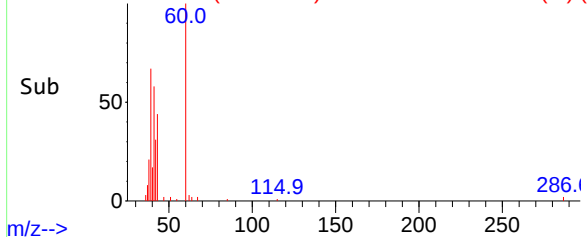
Abundance Scan 27 (2.690 min): VL040661.D\data.ms



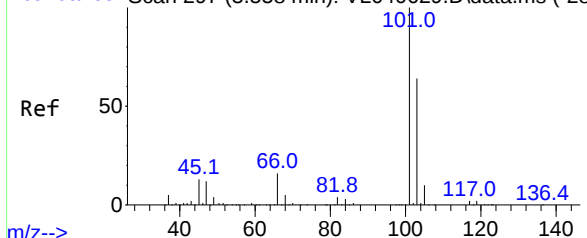
Abundance



Abundance Scan 27 (2.690 min): VL040661.D\data.ms (-1)



Abundance Scan 297 (3.558 min): VL040629.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 0.331 ppbv

RT: 3.549 min Scan# 294

Delta R.T. -0.010 min

Lab File: VL040661.D

Acq: 6 Sep 2023 00:28

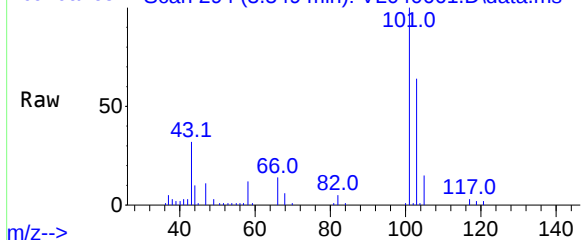
Tgt Ion:101 Resp: 40776

Ion Ratio Lower Upper

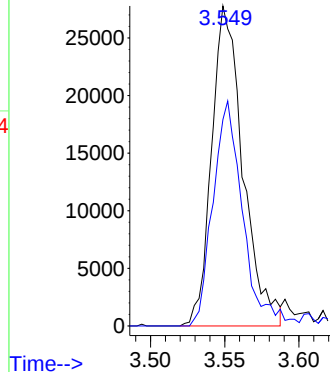
101 100

103 64.5 51.1 76.7

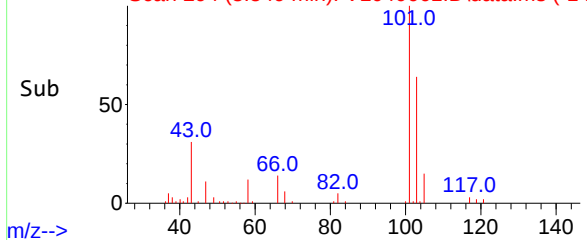
Abundance Scan 294 (3.549 min): VL040661.D\data.ms

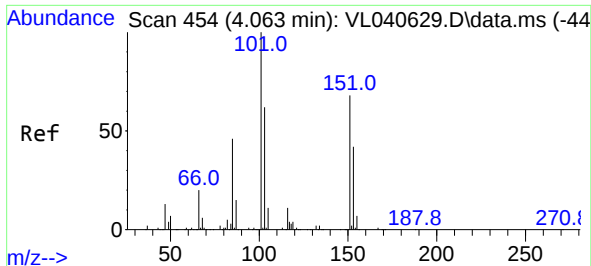


Abundance



Abundance Scan 294 (3.549 min): VL040661.D\data.ms (-14)





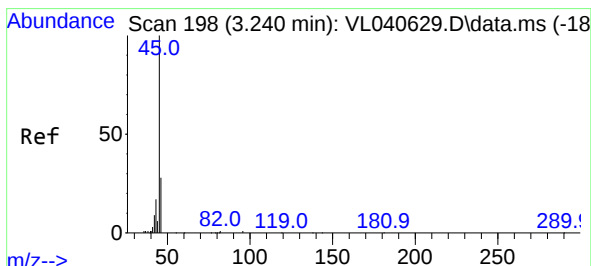
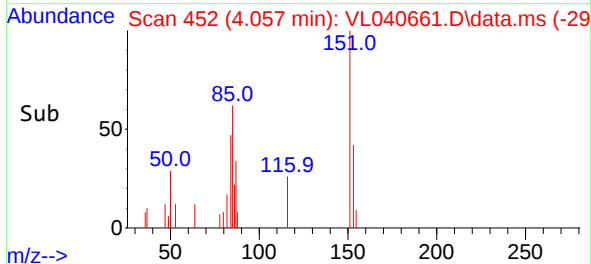
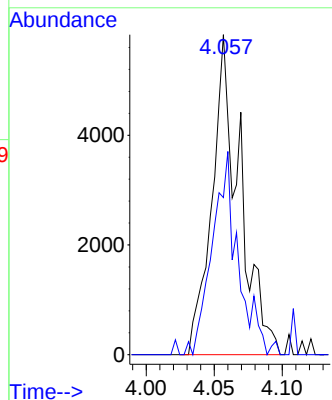
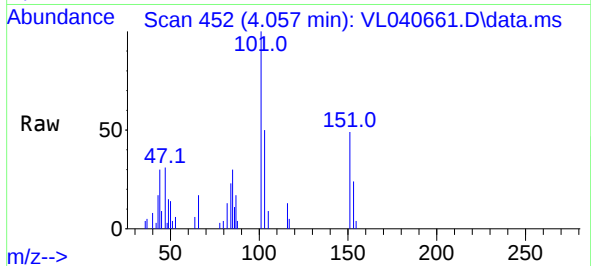
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.091 ppbv m
RT: 4.057 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 829
Ion Ratio Lower Upper
101 100
151 61.6 56.2 84.2

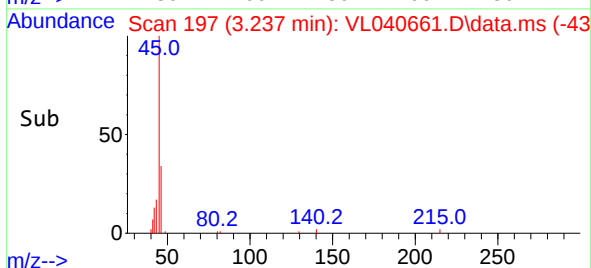
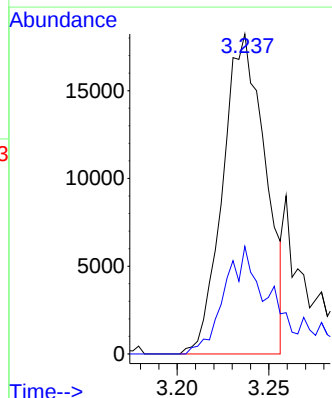
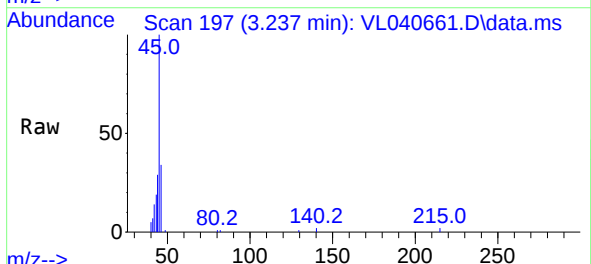
Manual Integrations
APPROVED

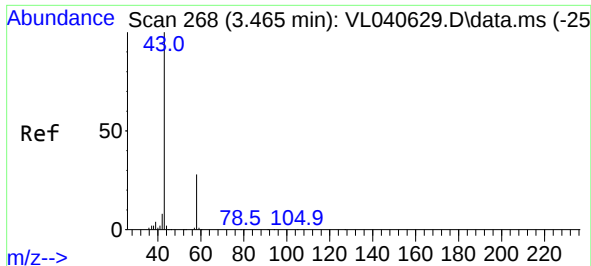
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#13
Ethanol
Concen: 2.917 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.003 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

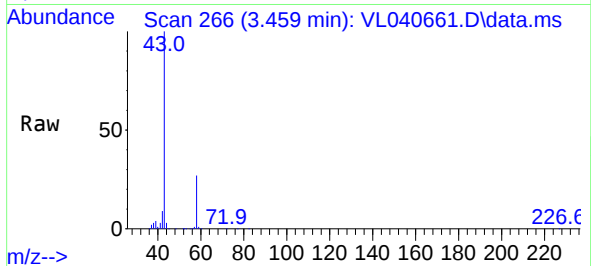
Tgt Ion: 45 Resp: 29381
Ion Ratio Lower Upper
45 100
46 41.0 14.2 56.6





#15
Acetone
Concen: 5.741 ppbv
RT: 3.459 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

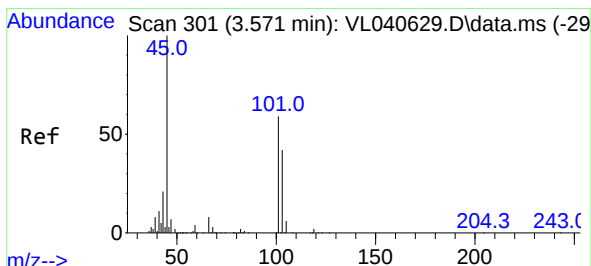
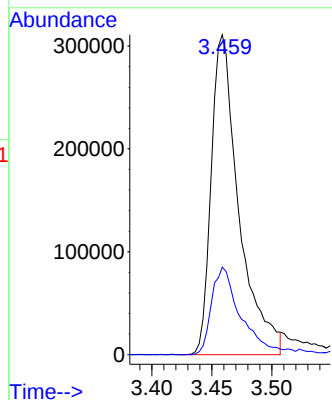
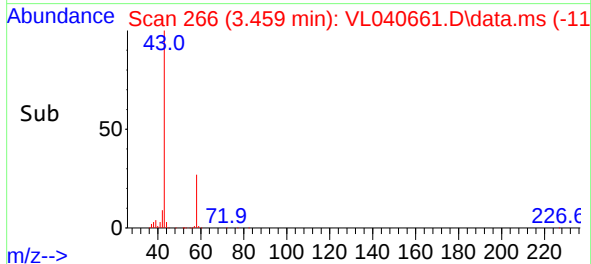
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 498190
Ion Ratio Lower Upper
43 100
58 30.9 22.4 33.6

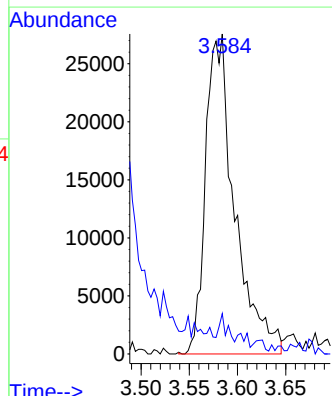
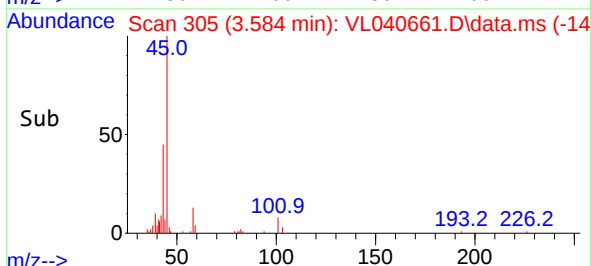
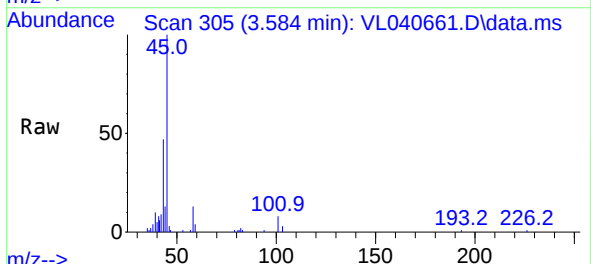
Manual Integrations
APPROVED

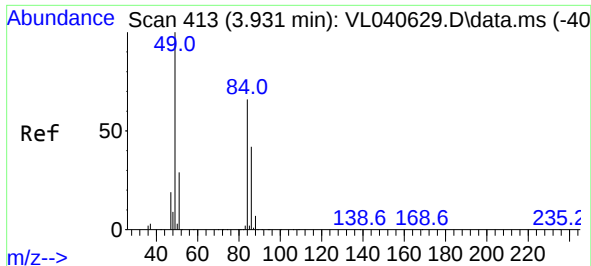
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#19
Isopropyl Alcohol
Concen: 1.049 ppbv m
RT: 3.584 min Scan# 305
Delta R.T. 0.013 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

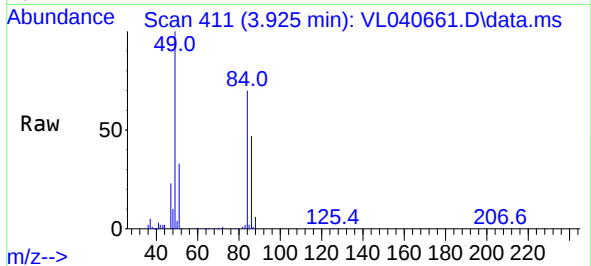
Tgt Ion: 45 Resp: 57741
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#





#20
Methylene Chloride
Concen: 4.052 ppbv
RT: 3.925 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

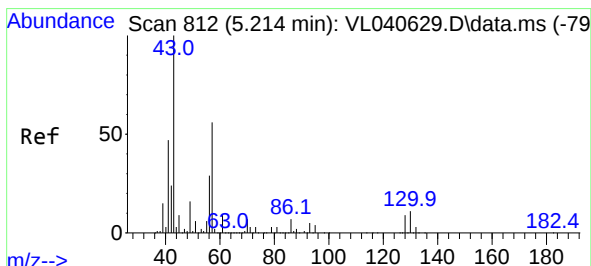
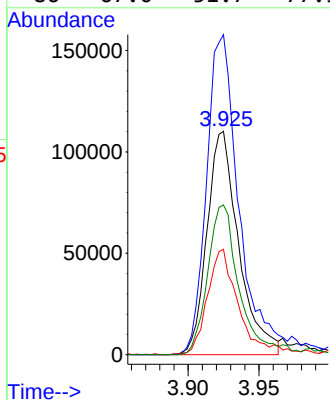
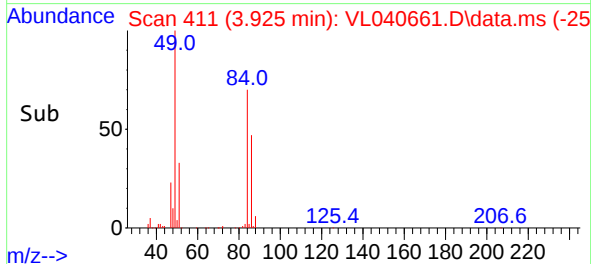
Instrument :
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ClientSampleId :
OA1



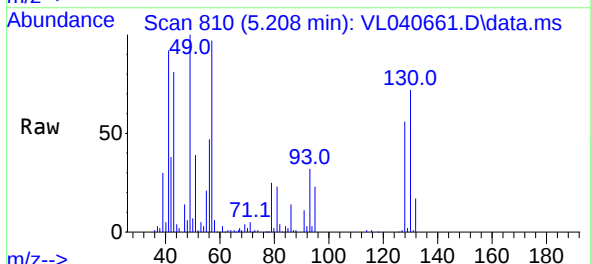
Tgt Ion: 84 Resp: 17181
Ion Ratio Lower Upper
84 100
49 142.8 122.1 183.1
51 46.9 35.4 53.2
86 67.0 51.7 77.5

Manual Integrations
APPROVED

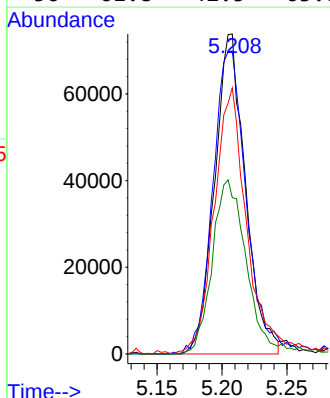
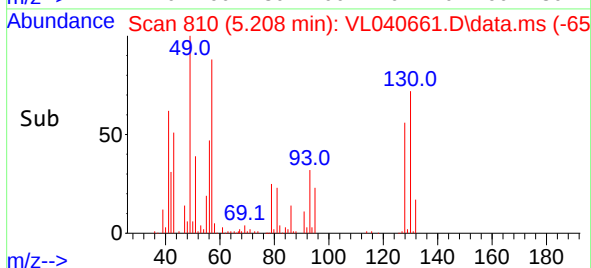
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

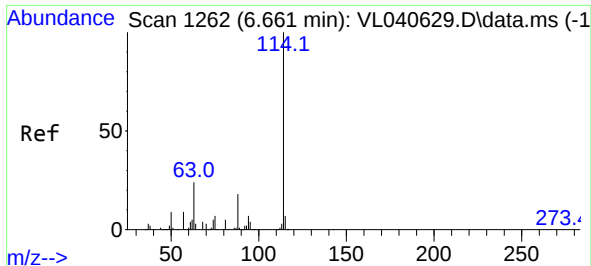


#26
Hexane
Concen: 1.542 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.007 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28



Tgt Ion: 57 Resp: 121625
Ion Ratio Lower Upper
57 100
41 105.3 69.3 103.9#
43 90.4 177.9 266.9#
56 61.8 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL040661.D

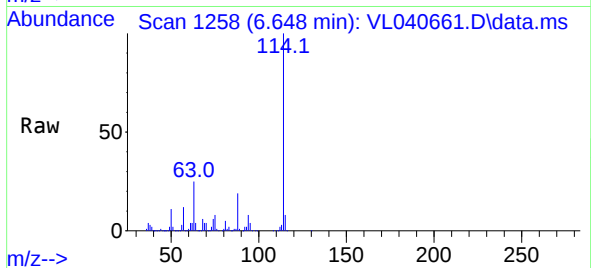
Acq: 6 Sep 2023 00:28

Instrument :

MSVOA_L

ClientSampleId :

OA1



Tgt Ion:114 Resp: 186564

Ion Ratio Lower Upper

114 100

63 25.9 20.2 30.2

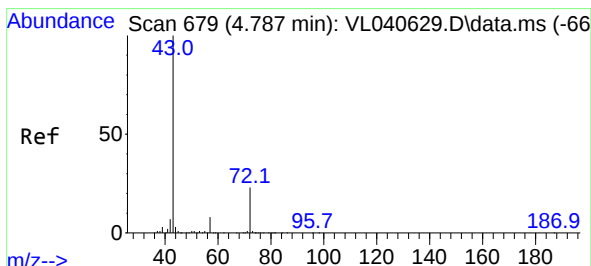
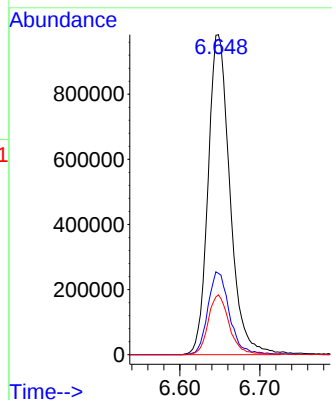
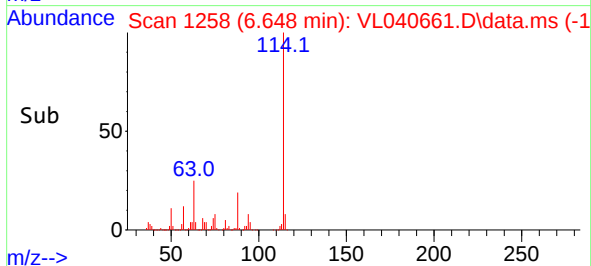
88 18.2 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023



#34

2-Butanone

Concen: 0.310 ppbv m

RT: 4.790 min Scan# 680

Delta R.T. 0.003 min

Lab File: VL040661.D

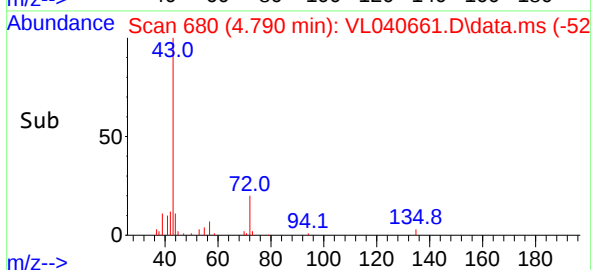
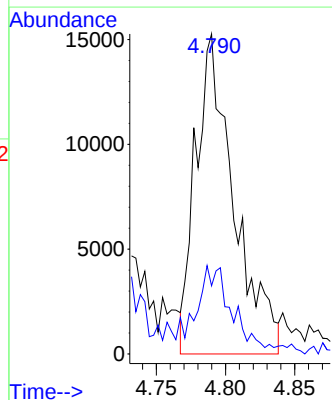
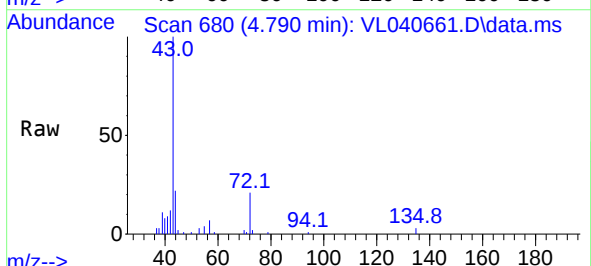
Acq: 6 Sep 2023 00:28

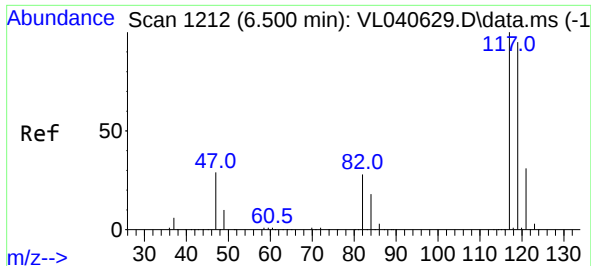
Tgt Ion: 43 Resp: 29171

Ion Ratio Lower Upper

43 100

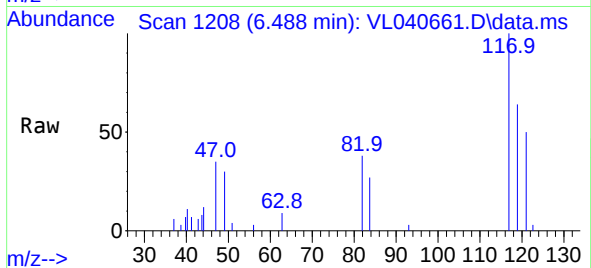
72 0.0 19.2 28.8#





#35
Carbon Tetrachloride
Concen: 0.085 ppbv m
RT: 6.488 min Scan# 1169
Delta R.T. -0.013 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

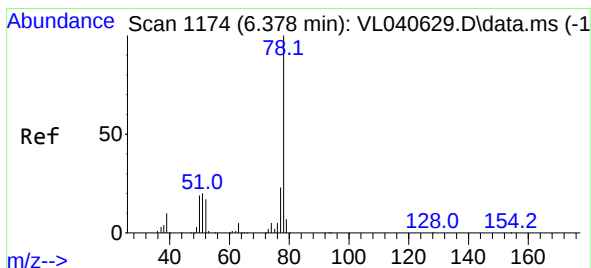
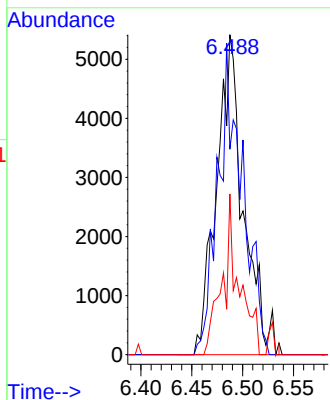
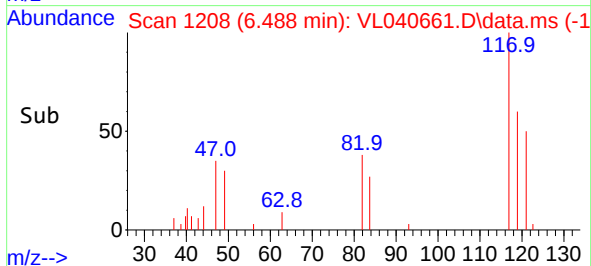
Instrument : MSVOA_L
ClientSampleId : OA1



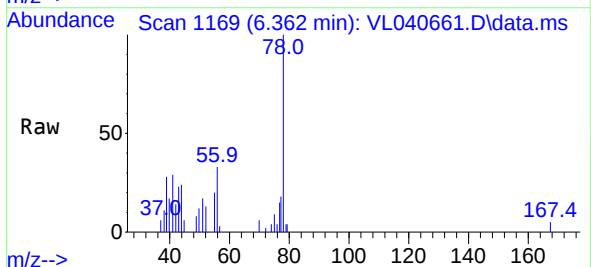
Tgt Ion: 117 Resp: 9960
Ion Ratio Lower Upper
117 100
119 64.2 75.6 113.4
121 50.2 24.9 37.3

Manual Integrations
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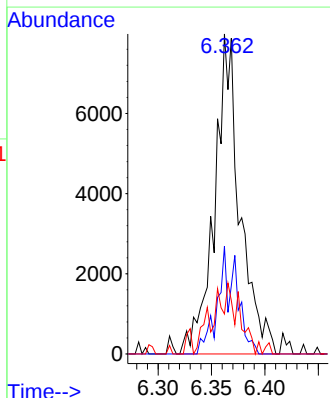
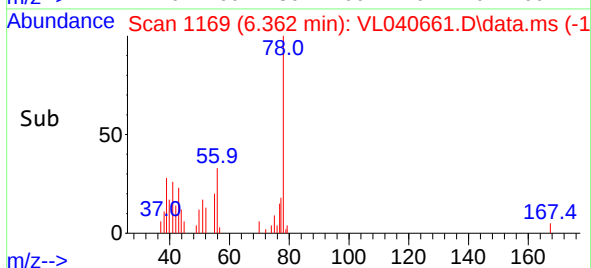
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

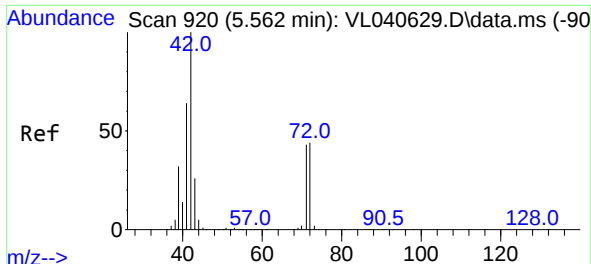


#36
Benzene
Concen: 0.089 ppbv m
RT: 6.362 min Scan# 1169
Delta R.T. -0.016 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28



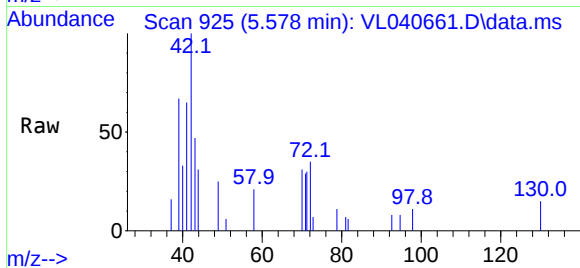
Tgt Ion: 78 Resp: 13279
Ion Ratio Lower Upper
78 100
77 18.4 18.2 27.2
50 12.5 15.0 22.6





#41
Tetrahydrofuran
Concen: 0.108 ppbv m
RT: 5.578 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

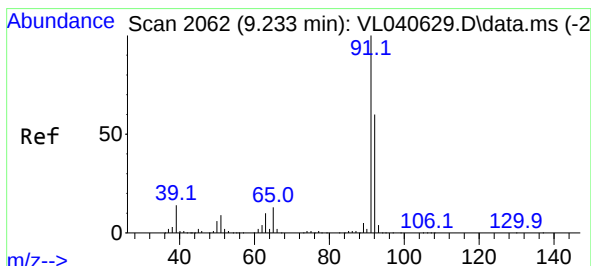
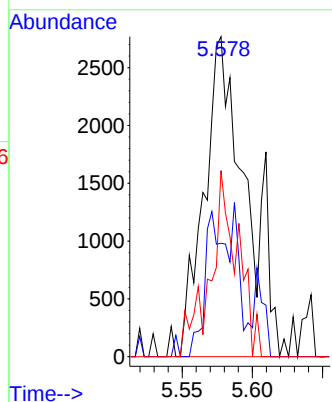
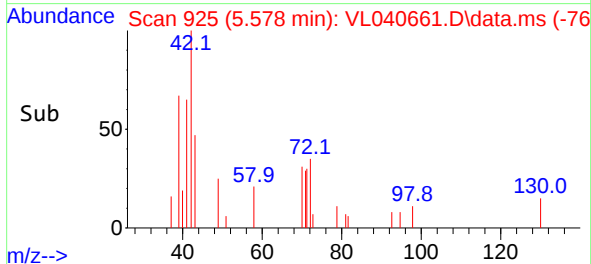
Instrument :
MSVOA_L
ClientSampleId :
OA1



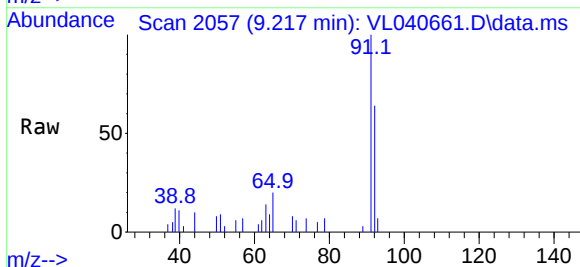
Tgt Ion: 42 Resp: 574
Ion Ratio Lower Upper
42 100
72 39.0 34.2 51.4
71 38.4 33.4 50.0

Manual Integrations
APPROVED

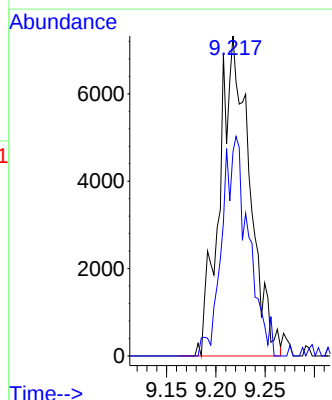
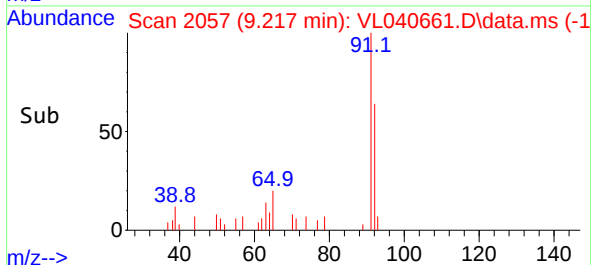
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

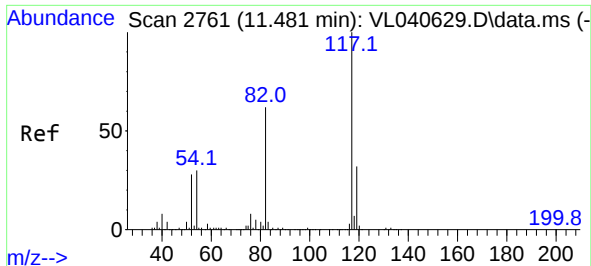


#53
Toluene
Concen: 0.099 ppbv m
RT: 9.217 min Scan# 2057
Delta R.T. -0.016 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28



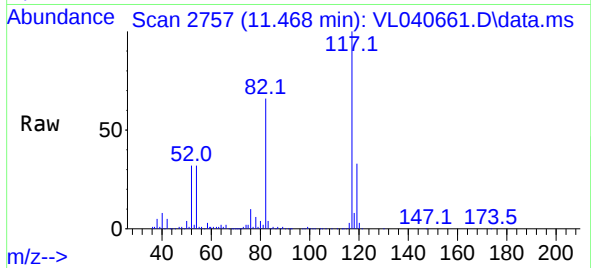
Tgt Ion: 91 Resp: 15691
Ion Ratio Lower Upper
91 100
92 60.5 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28

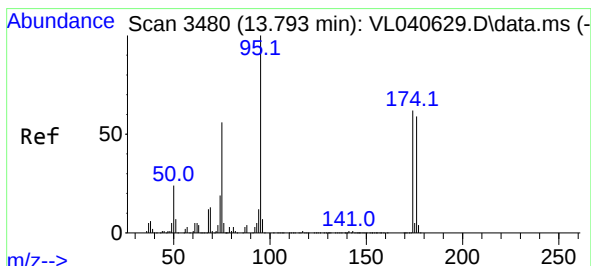
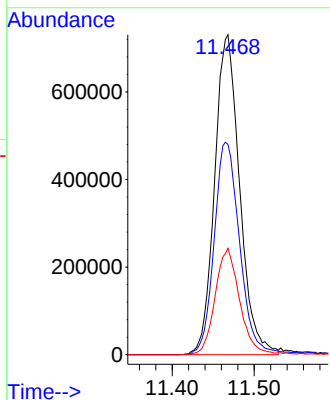
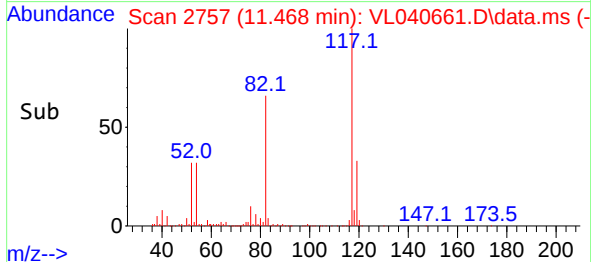
Instrument :
MSVOA_L
ClientSampleId :
OA1



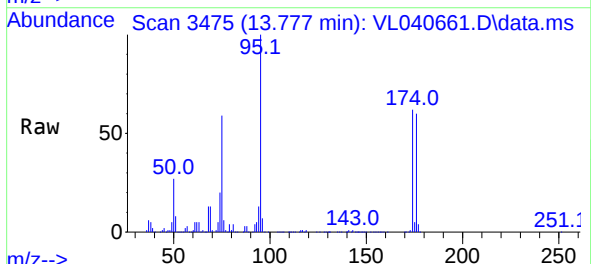
Tgt Ion: 117 Resp: 155076
Ion Ratio Lower Upper
117 100
82 68.7 49.5 74.3
119 32.8 24.5 36.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.453 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.016 min
Lab File: VL040661.D
Acq: 6 Sep 2023 00:28



Tgt Ion: 95 Resp: 1289214
Ion Ratio Lower Upper
95 100
174 62.8 49.1 73.7
175 4.3 3.7 5.5

