

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039429.D
 Acq On : 5 Jul 2022 21:37
 Operator : SY/AP
 Sample : N3560-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 06 02:38:45 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1113680	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.182	114	3055135	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.092	117	2617169	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	1902445	9.799	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.060	85	58019m	0.361	ppbv	
3) Chlorodifluoromethane	2.999	51	50116m	0.355	ppbv	
4) Chloromethane	3.153	50	39591m	0.512	ppbv	
9) Propene	3.034	41	33850	0.530	ppbv #	78
11) Trichlorofluoromethane	3.957	101	39256	0.219	ppbv	97
13) Ethanol	3.607	45	107019m	28.909	ppbv	
15) Acetone	3.857	43	598966	4.546	ppbv	97
19) Isopropyl Alcohol	3.986	45	60915m	0.867	ppbv	
20) Methylene Chloride	4.353	84	160839	3.063	ppbv	90
26) Hexane	5.697	57	122733m	1.127	ppbv	
34) 2-Butanone	5.259	43	47439m	0.308	ppbv	
35) Carbon Tetrachloride	7.021	117	11836m	0.063	ppbv	
36) Benzene	6.902	78	31130m	0.132	ppbv	
44) 2,2,4-Trimethylpentane	7.877	57	41407m	0.103	ppbv	
53) Toluene	9.812	91	79881	0.293	ppbv	95
59) m/p-Xylene	12.976	91	31005m	0.104	ppbv	

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

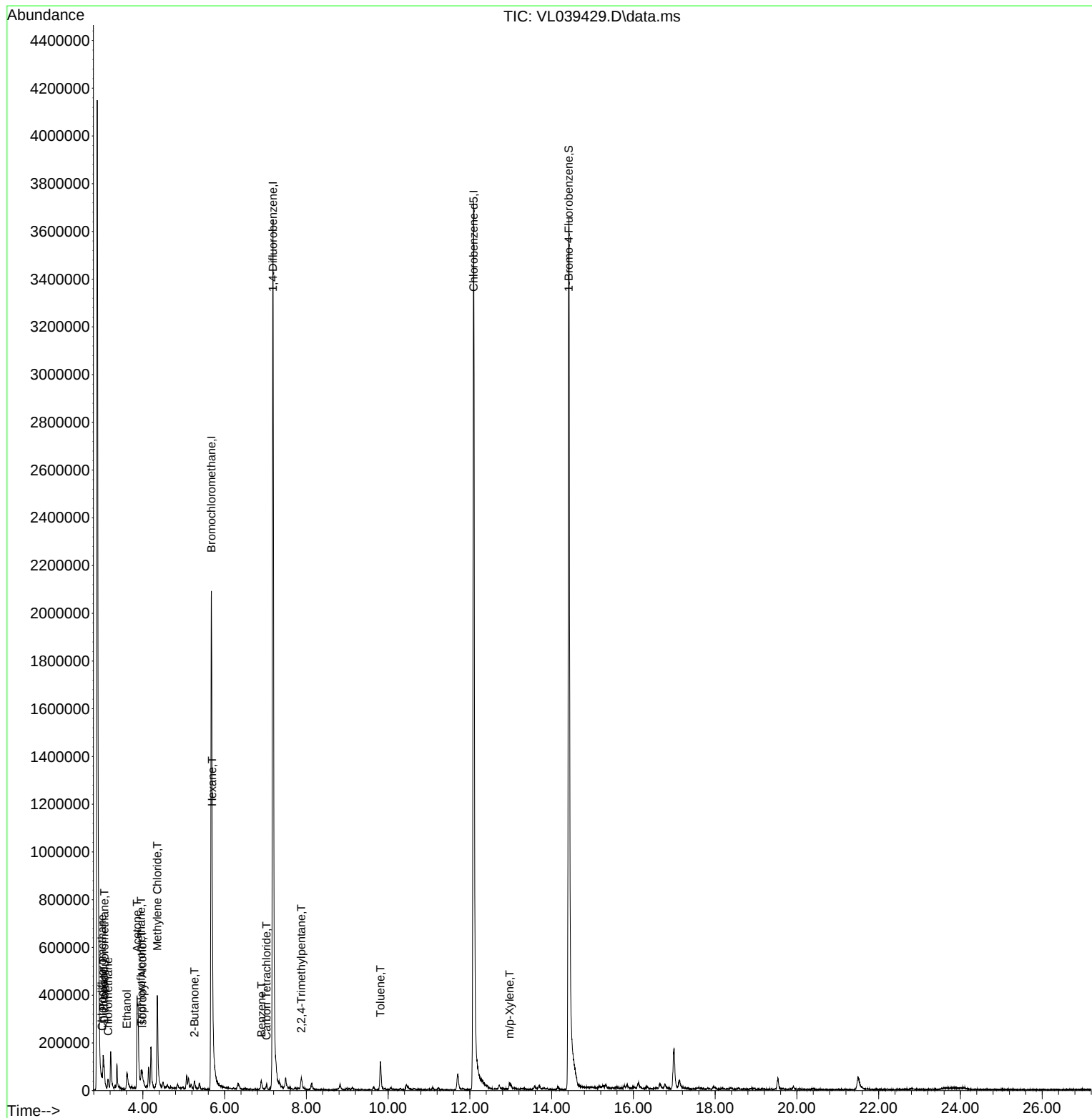
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
Data File : VL039429.D
Acq On : 5 Jul 2022 21:37
Operator : SY/AP
Sample : N3560-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

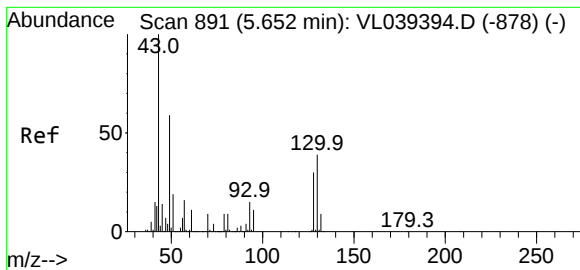
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jul 06 02:38:45 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Manual Integrations
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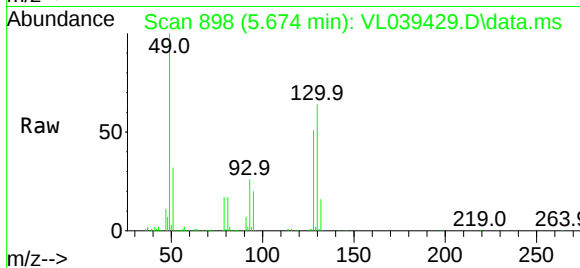
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 891
Delta R.T. 0.022 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37

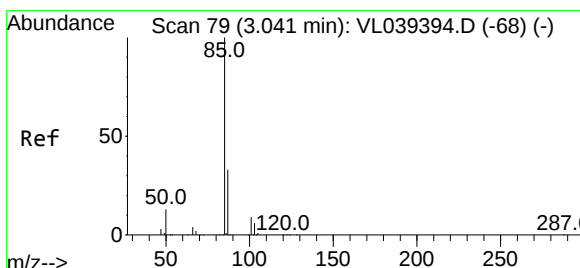
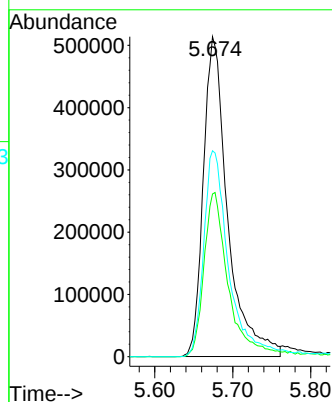
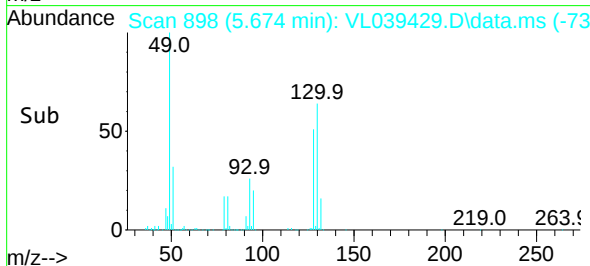
Instrument :
MSVOA_L
ClientSampleId :
OA1



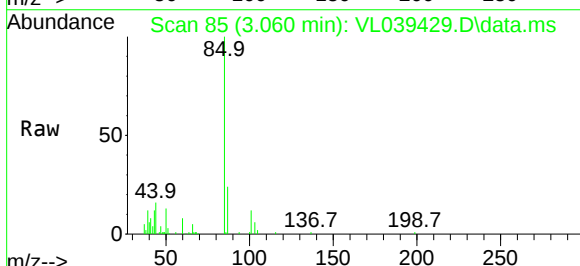
Tgt Ion: 49 Resp: 111368
Ion Ratio Lower Upper
49 100
128 52.1 26.7 80.0
130 67.3 34.3 102.8

Manual Integrations
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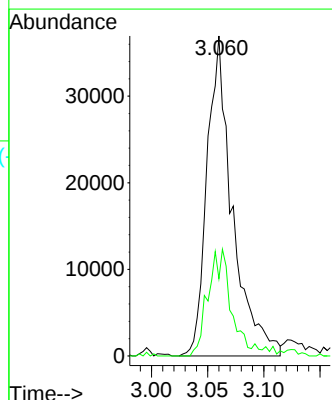
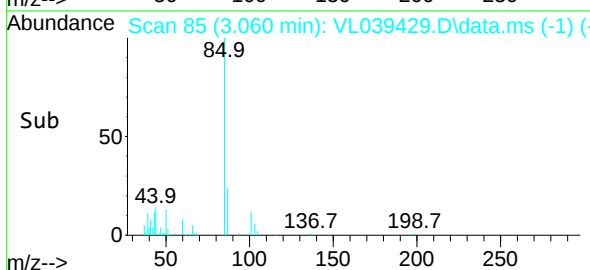
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

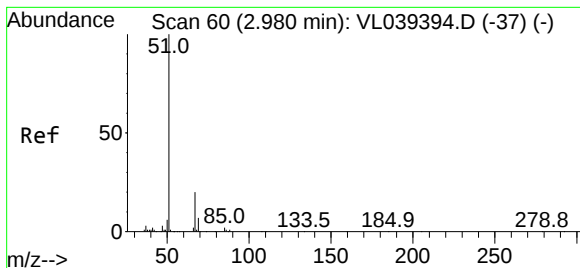


#2
Dichlorodifluoromethane
Concen: 0.361 ppbv m
RT: 3.060 min Scan# 85
Delta R.T. 0.019 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37



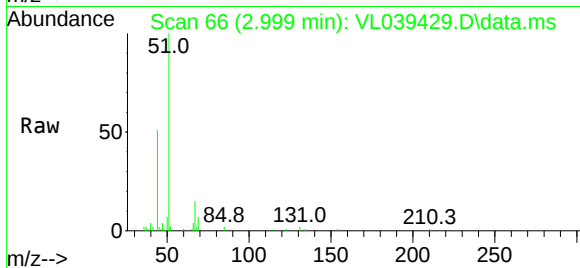
Tgt Ion: 85 Resp: 58019
Ion Ratio Lower Upper
85 100
87 24.2 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.355 ppbv m
RT: 2.999 min Scan# 60
Delta R.T. 0.019 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37

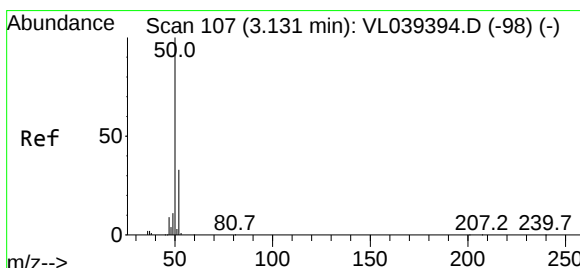
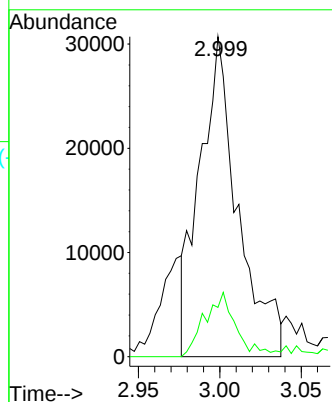
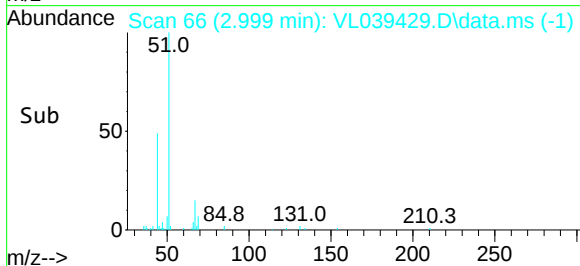
Instrument :
MSVOA_L
ClientSampleId :
OA1



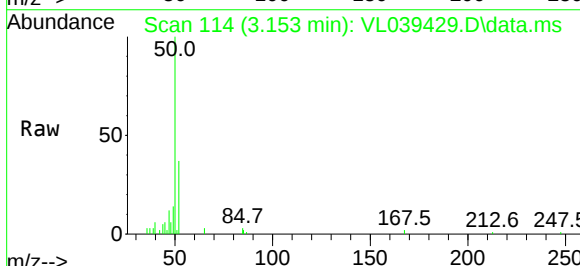
Tgt Ion: 51 Resp: 50110
Ion Ratio Lower Upper
51 100
67 18.8 15.7 23.5

Manual Integrations
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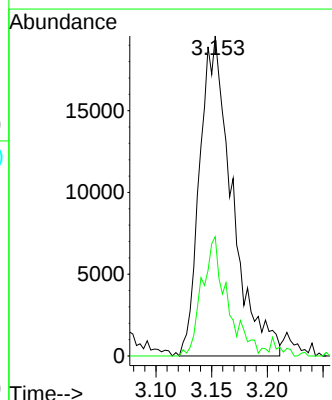
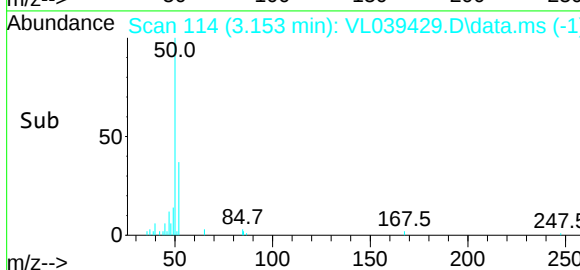
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

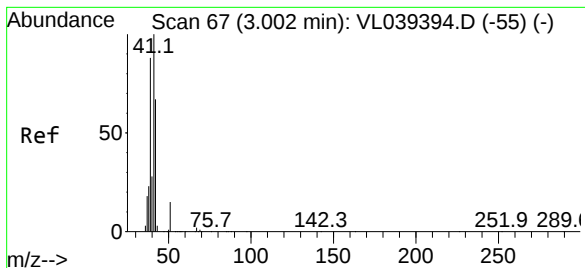


#4
Chloromethane
Concen: 0.512 ppbv m
RT: 3.153 min Scan# 114
Delta R.T. 0.022 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37



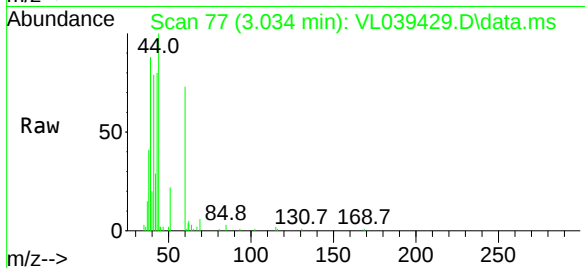
Tgt Ion: 50 Resp: 39591
Ion Ratio Lower Upper
50 100
52 37.3 26.5 39.7





#9
 Propene
 Concen: 0.530 ppbv
 RT: 3.034 min Scan# 71
 Delta R.T. 0.032 min
 Lab File: VL039429.D
 Acq: 5 Jul 2022 21:37

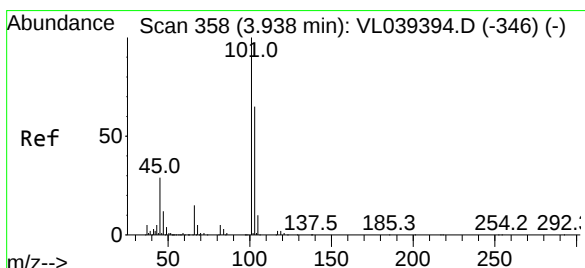
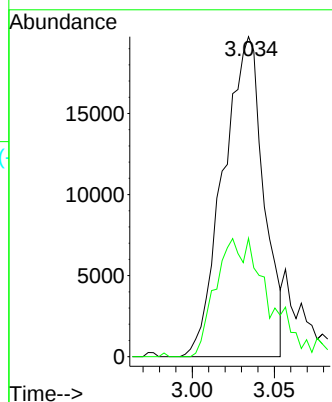
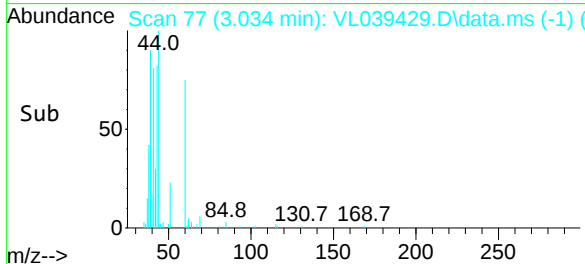
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



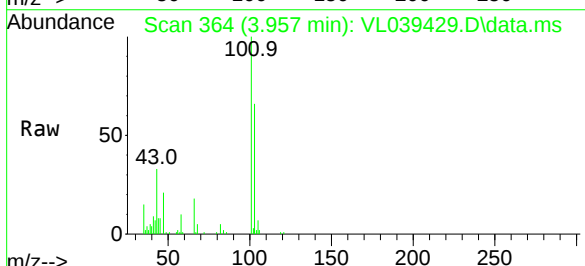
Tgt Ion: 41 Resp: 33850
 Ion Ratio Lower Upper
 41 100
 42 50.7 55.2 82.8

Manual Integrations
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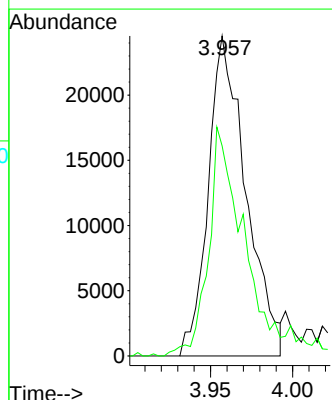
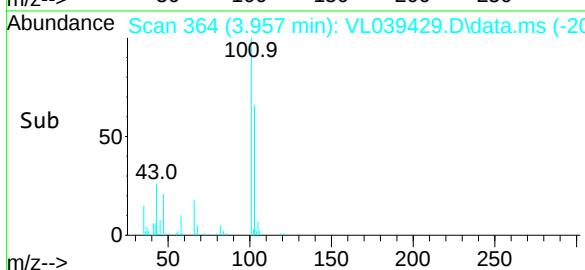
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

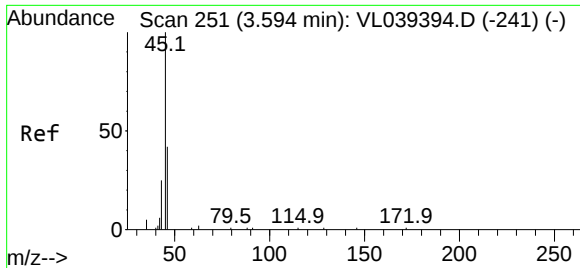


#11
 Trichlorofluoromethane
 Concen: 0.219 ppbv
 RT: 3.957 min Scan# 364
 Delta R.T. 0.019 min
 Lab File: VL039429.D
 Acq: 5 Jul 2022 21:37



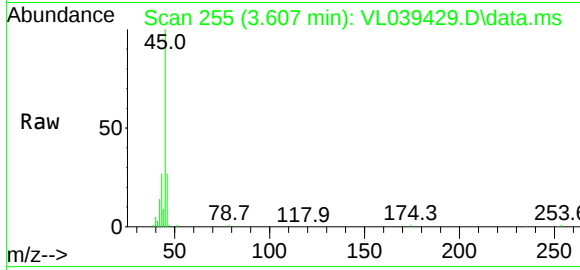
Tgt Ion:101 Resp: 39256
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.8 77.8





#13
Ethanol
Concen: 28.909 ppbv m
RT: 3.607 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37

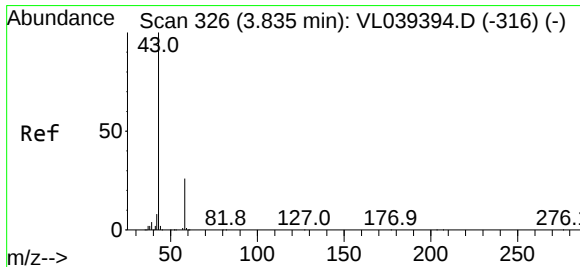
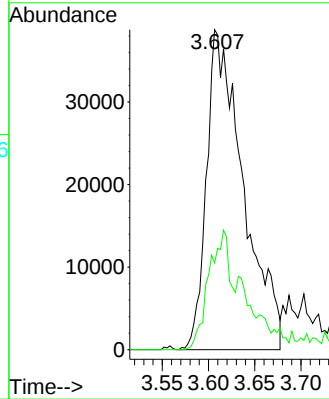
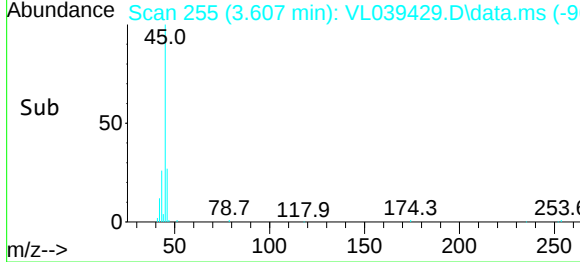
Instrument :
MSVOA_L
ClientSampleId :
OA1



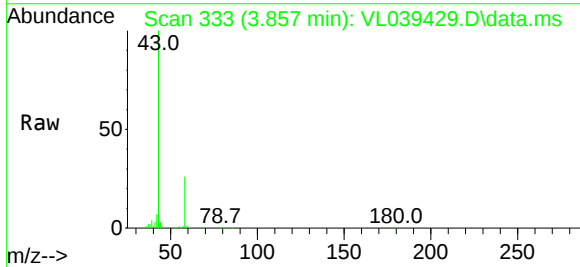
Tgt Ion: 45 Resp: 107019
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2

Manual Integrations
APPROVED

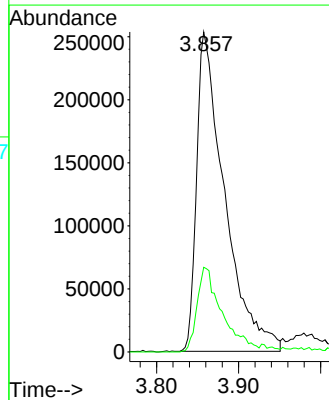
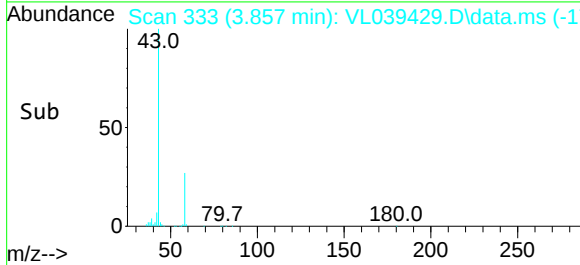
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

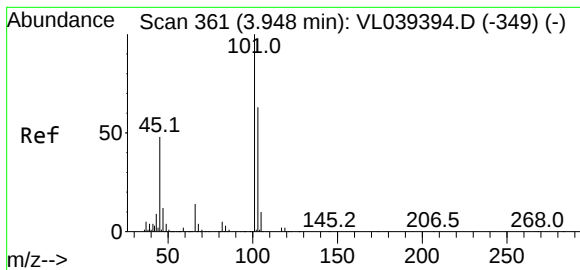


#15
Acetone
Concen: 4.546 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.022 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37



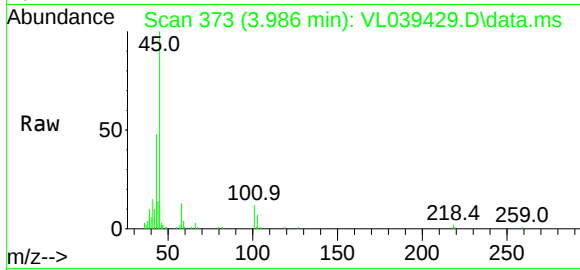
Tgt Ion: 43 Resp: 598966
Ion Ratio Lower Upper
43 100
58 24.9 21.0 31.6





#19
Isopropyl Alcohol
Concen: 0.867 ppbv m
RT: 3.986 min Scan# 31
Delta R.T. 0.038 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37

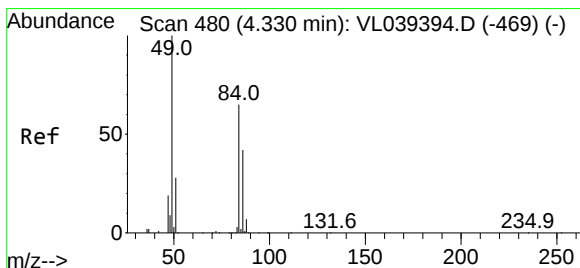
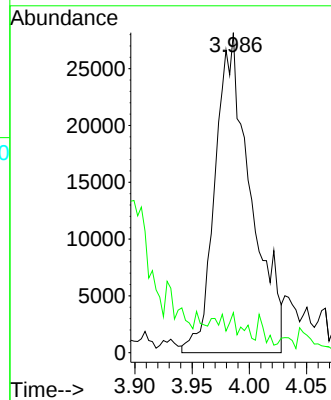
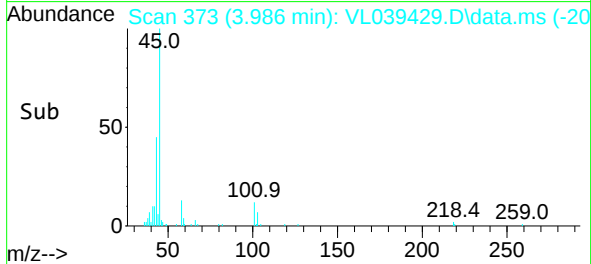
Instrument :
MSVOA_L
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OA1



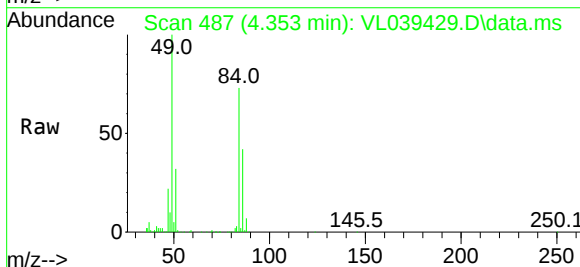
Tgt Ion: 45 Resp: 60915
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8

Manual Integrations
APPROVED

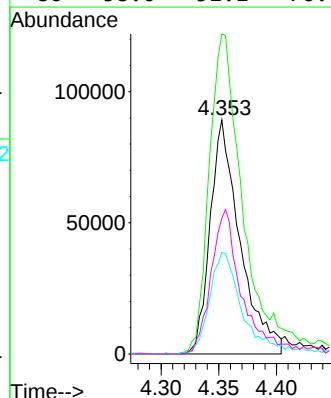
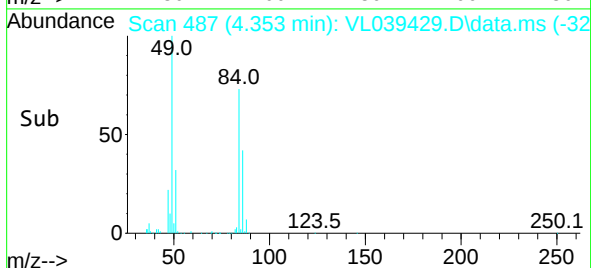
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

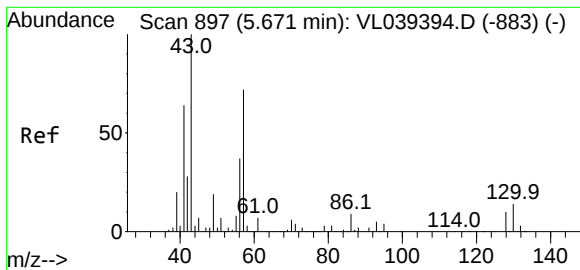


#20
Methylene Chloride
Concen: 3.063 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.022 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37



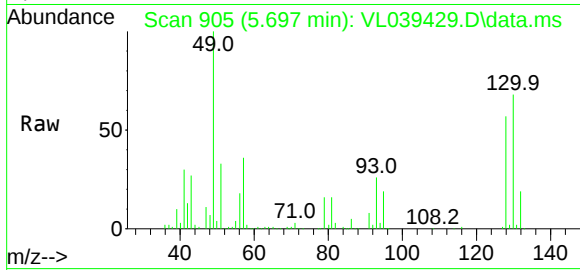
Tgt Ion: 84 Resp: 160839
Ion Ratio Lower Upper
84 100
49 136.1 123.1 184.7
51 43.1 34.4 51.6
86 58.0 51.1 76.7





#26
Hexane
Concen: 1.127 ppbv m
RT: 5.697 min Scan# 905
Delta R.T. 0.026 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37

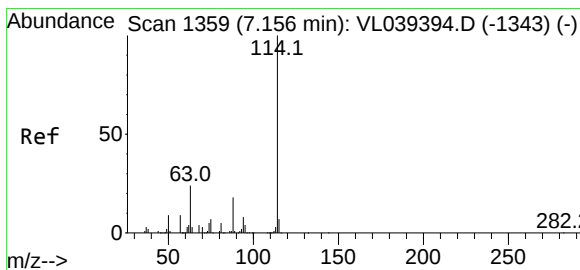
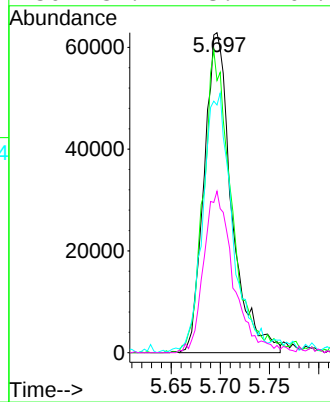
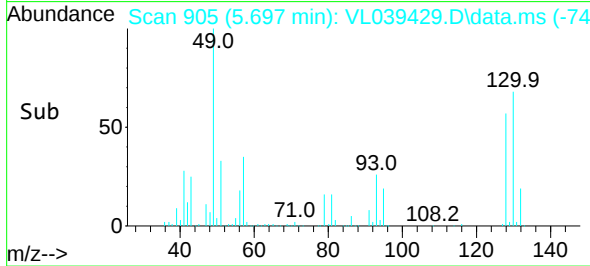
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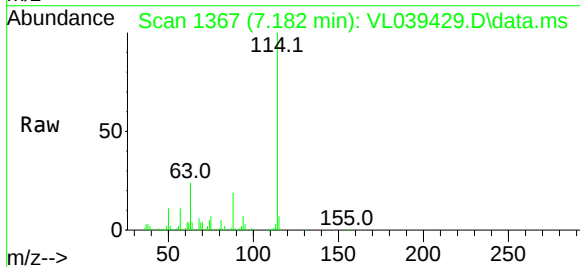
Tgt Ion: 57 Resp: 122733
Ion Ratio Lower Upper
57 100
41 98.4 76.9 115.3
43 91.0 191.0 286.6
56 54.2 43.2 64.8

Manual Integrations
APPROVED

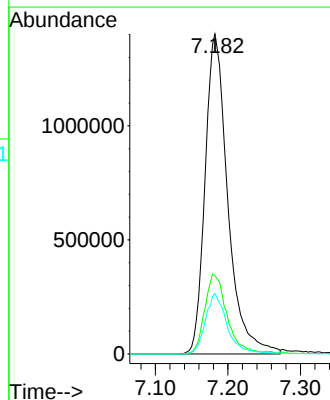
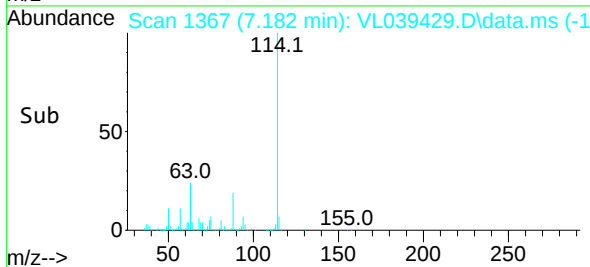
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Supervised By :Mahesh Dadoda 07/07/2022

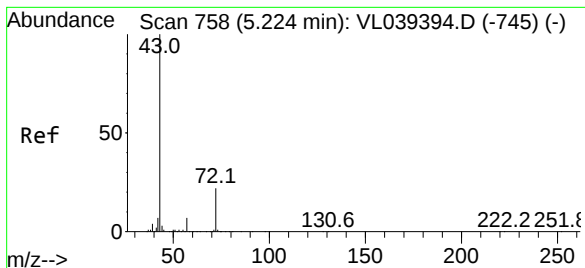


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.026 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37



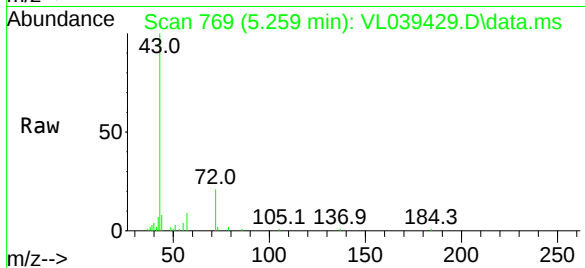
Tgt Ion:114 Resp: 3055135
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.4
88 18.3 14.5 21.7





#34
2-Butanone
Concen: 0.308 ppbv m
RT: 5.259 min Scan# 70
Delta R.T. 0.035 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37

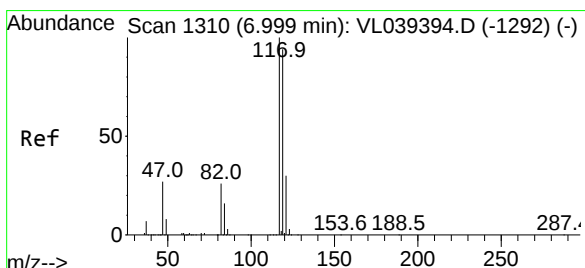
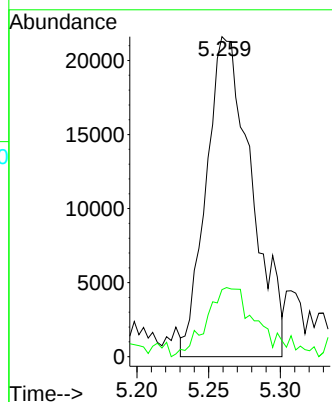
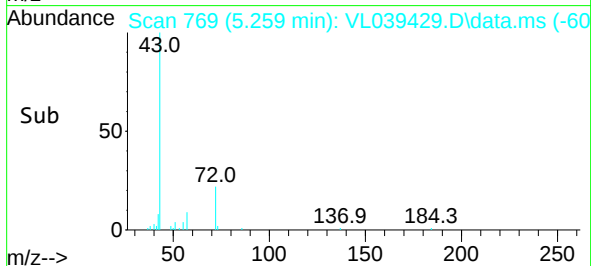
Instrument :
MSVOA_L
ClientSampleId :
OA1



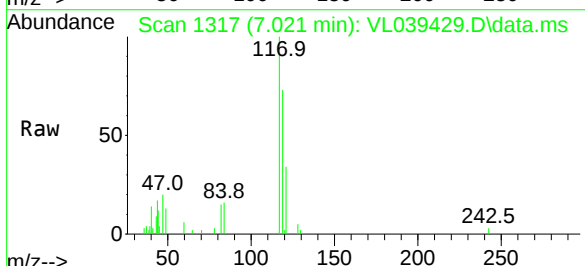
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Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9

Manual Integrations
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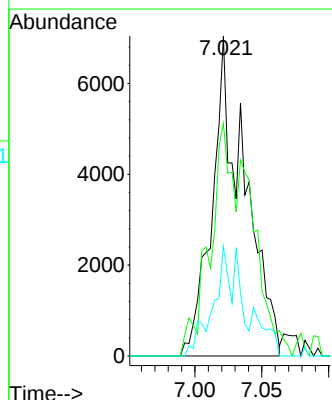
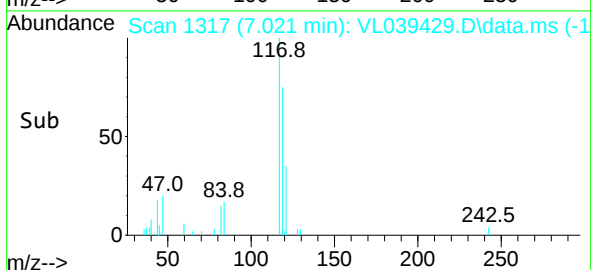
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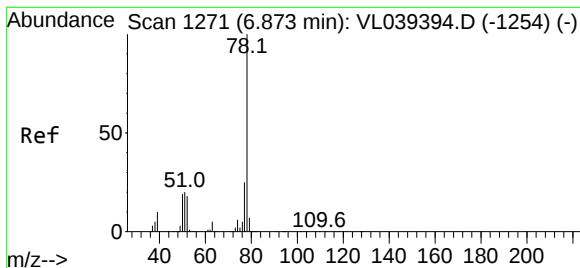


#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 7.021 min Scan# 1317
Delta R.T. 0.022 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37



Tgt Ion:117 Resp: 11836
Ion Ratio Lower Upper
117 100
119 72.7 75.4 113.2#
121 34.3 24.2 36.2





#36

Benzene

Concen: 0.132 ppbv m

RT: 6.902 min Scan# 1

Delta R.T. 0.029 min

Lab File: VL039429.D

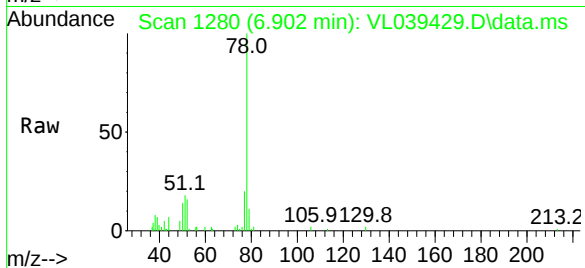
Acq: 5 Jul 2022 21:37

Instrument :

MSVOA_L

ClientSampleId :

OA1



Tgt Ion: 78 Resp: 31130

Ion Ratio Lower Upper

78 100

77 20.3 20.3 30.5

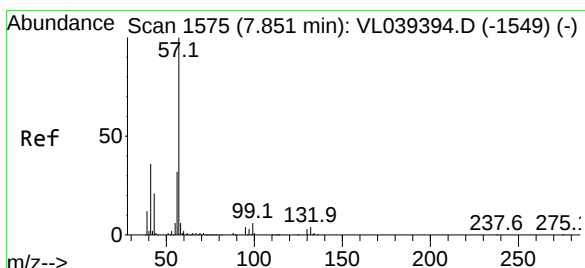
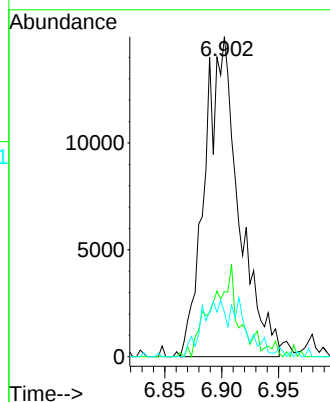
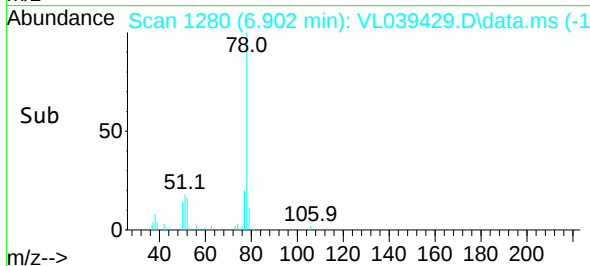
50 14.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022

Supervised By :Mahesh Dadoda 07/07/2022



#44

2,2,4-Trimethylpentane

Concen: 0.103 ppbv m

RT: 7.877 min Scan# 1583

Delta R.T. 0.026 min

Lab File: VL039429.D

Acq: 5 Jul 2022 21:37

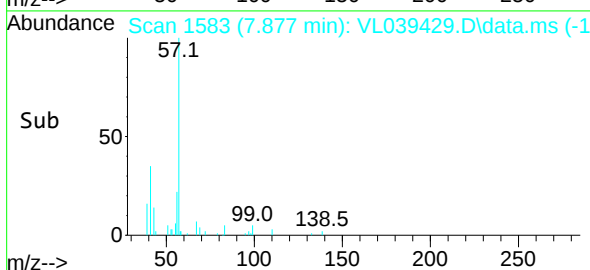
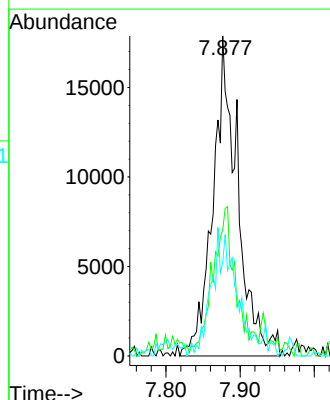
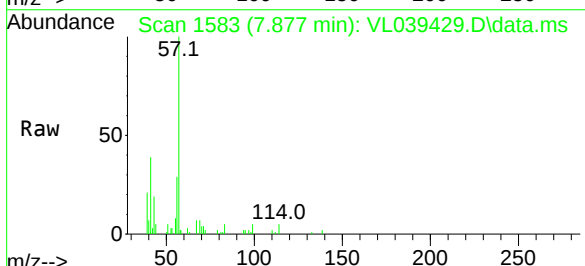
Tgt Ion: 57 Resp: 41407

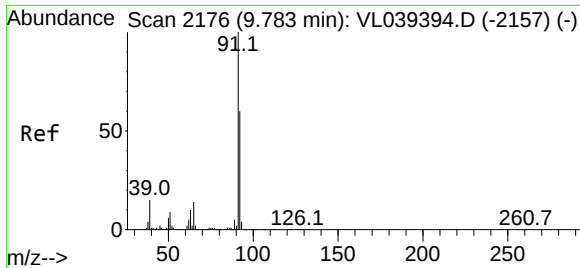
Ion Ratio Lower Upper

57 100

41 50.9 27.4 41.2#

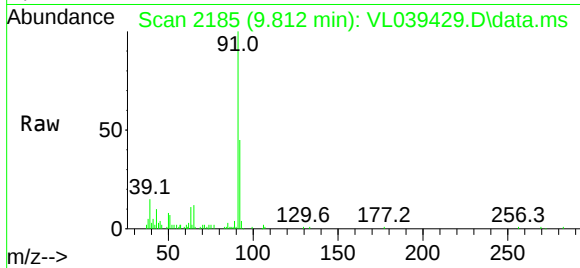
56 0.0 24.5 36.7#





#53
Toluene
Concen: 0.293 ppbv
RT: 9.812 min Scan# 2176
Delta R.T. 0.029 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37

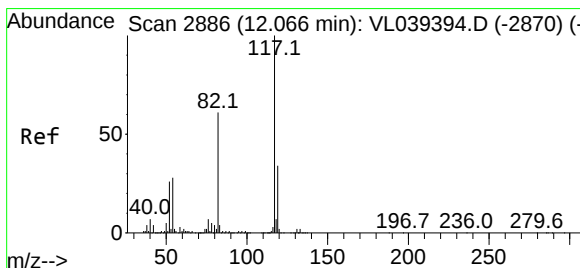
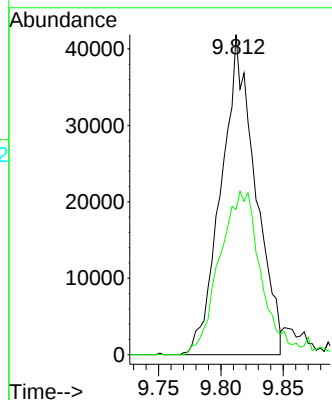
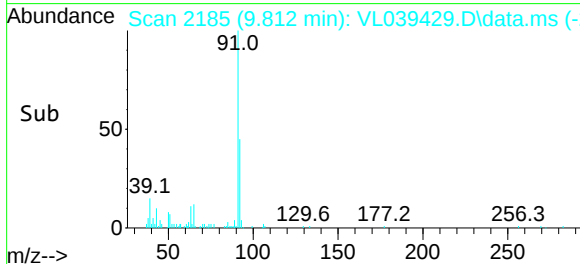
Instrument :
MSVOA_L
ClientSampleId :
OA1



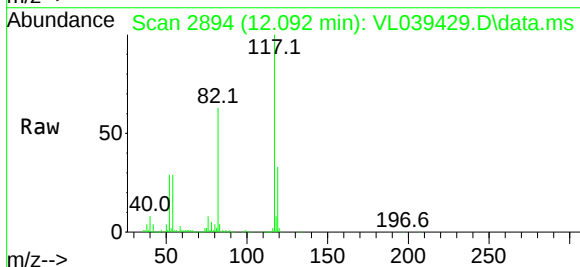
Tgt Ion: 91 Resp: 7988
Ion Ratio Lower Upper
91 100
92 63.6 48.2 72.2

Manual Integrations
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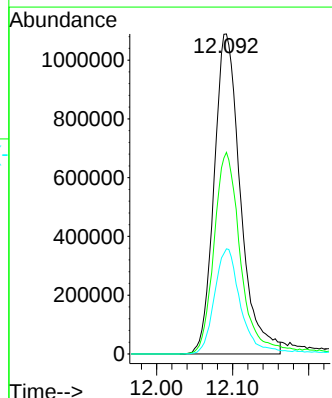
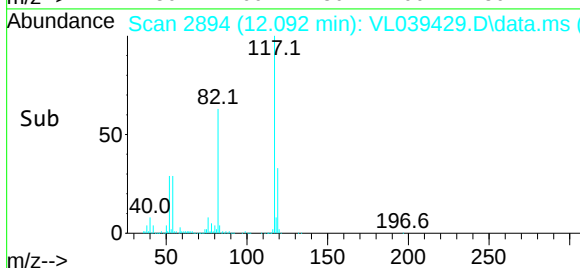
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

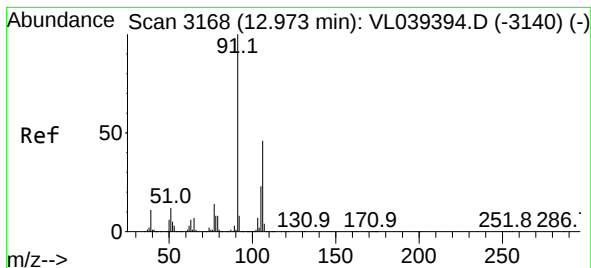


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.092 min Scan# 2894
Delta R.T. 0.026 min
Lab File: VL039429.D
Acq: 5 Jul 2022 21:37



Tgt Ion:117 Resp: 2617169
Ion Ratio Lower Upper
117 100
82 65.4 50.8 76.2
119 33.8 24.1 36.1





#59

m/p-Xylene

Concen: 0.104 ppbv

RT: 12.976 min Scan# 3168

Delta R.T. 0.003 min

Lab File: VL039429.D

Acq: 5 Jul 2022 21:37

Instrument :

MSVOA_L

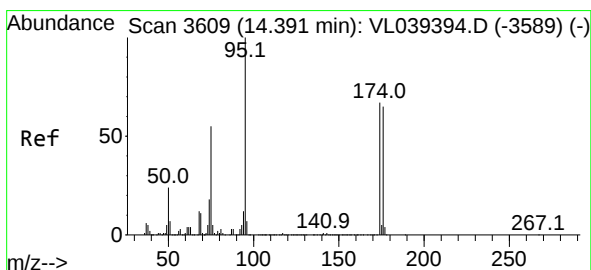
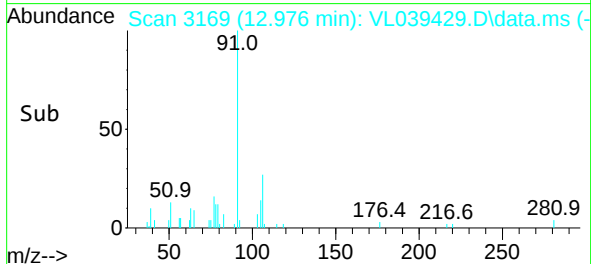
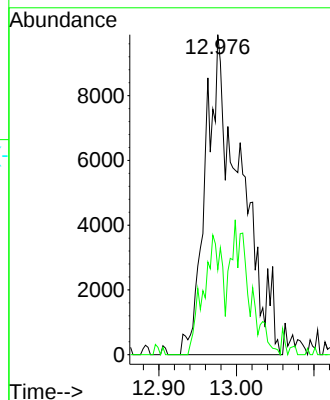
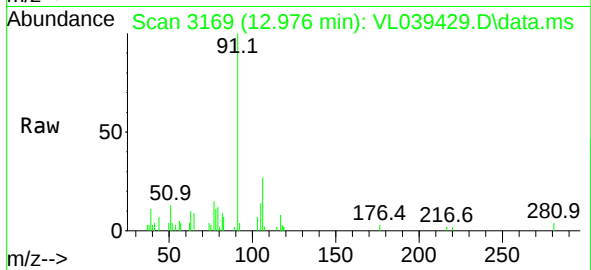
ClientSampleId :

OA1

Tgt Ion: 91 Resp: 3100
 Ion Ratio Lower Upper
 91 100
 106 42.7 35.4 53.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.799 ppbv

RT: 14.420 min Scan# 3618

Delta R.T. 0.029 min

Lab File: VL039429.D

Acq: 5 Jul 2022 21:37

Tgt Ion: 95 Resp: 1902445
 Ion Ratio Lower Upper
 95 100
 174 73.7 55.9 83.9
 175 5.1 4.2 6.4

