

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
 Data File : VL039293.D
 Acq On : 15 Jun 2022 10:30
 Operator : SY/AP
 Sample : N3326-05DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/16/2022

Quant Time: Jun 16 01:16:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 01:16:37 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	1370036	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.166	114	3628793	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.073	117	3007894	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.400	95	2365916	9.514	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.044	85	51665	0.215	ppbv	97
3) Chlorodifluoromethane	2.980	51	68113	0.391	ppbv #	84
4) Chloromethane	3.140	50	41256	0.461	ppbv	97
9) Propene	3.015	41	49488	0.651	ppbv	84
11) Trichlorofluoromethane	3.948	101	40149	0.184	ppbv	89
13) Ethanol	3.603	45	168021	40.533	ppbv #	100
15) Acetone	3.841	43	583668	4.090	ppbv	97
19) Isopropyl Alcohol	3.970	45	69985	1.046	ppbv #	1
20) Methylene Chloride	4.340	84	653726	10.870	ppbv	92
26) Hexane	5.677	57	796074	5.632	ppbv #	41
34) 2-Butanone	5.240	43	55571	0.282	ppbv	94
35) Carbon Tetrachloride	7.015	117	12303m	0.046	ppbv	
36) Benzene	6.883	78	34050	0.116	ppbv #	85
53) Toluene	9.796	91	132197	0.390	ppbv	98
59) m/p-Xylene	12.947	91	55158m	0.151	ppbv	
74) 1,2,4-Trimethylbenzene	16.748	105	40223m	0.099	ppbv	

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

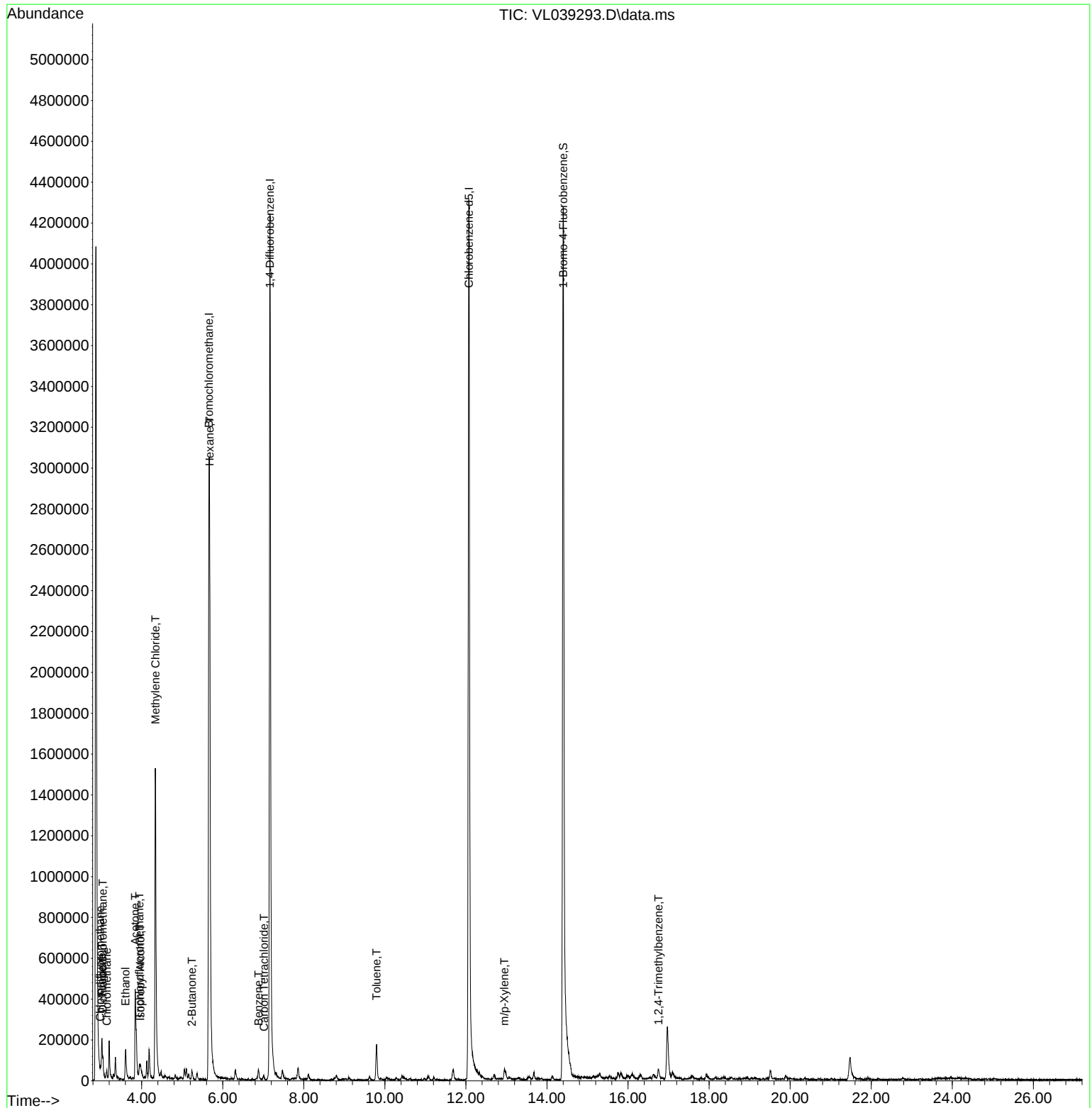
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
Data File : VL039293.D
Acq On : 15 Jun 2022 10:30
Operator : SY/AP
Sample : N3326-05DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

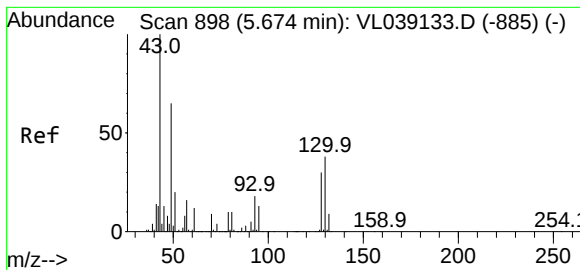
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Quant Time: Jun 16 01:16:37 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

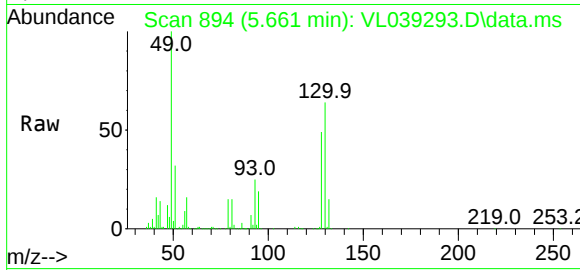
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

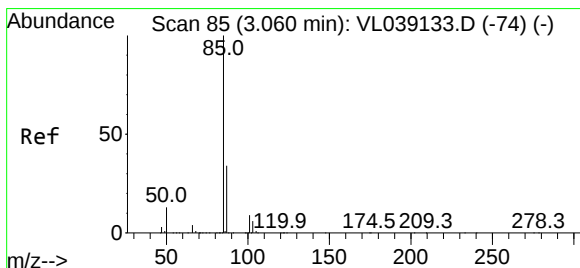
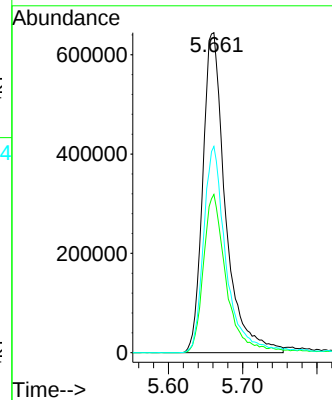
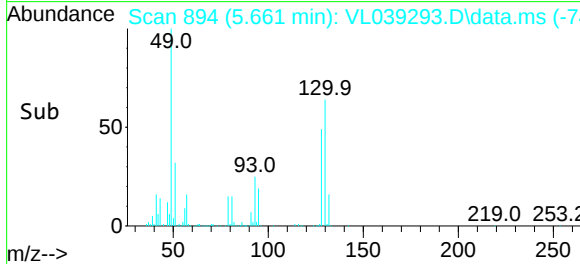
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 49 Resp: 1370030
Ion Ratio Lower Upper
49 100
128 50.8 24.7 74.1
130 65.1 31.4 94.0

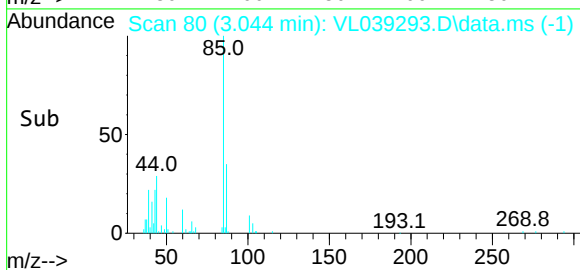
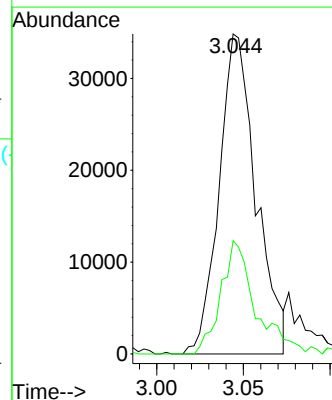
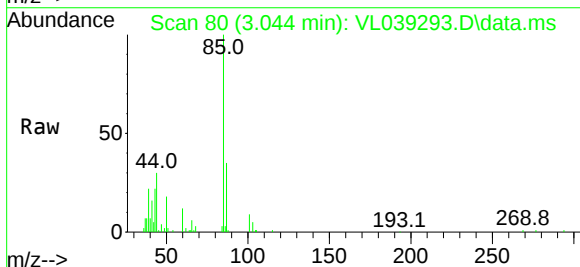
Manual Integrations
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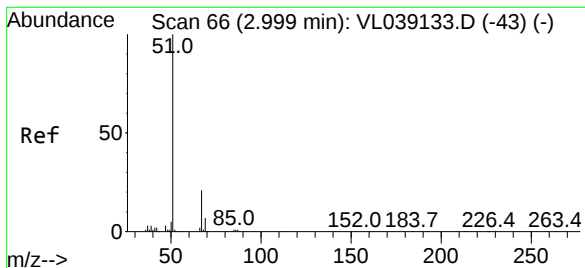
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#2
Dichlorodifluoromethane
Concen: 0.215 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

Tgt Ion: 85 Resp: 51665
Ion Ratio Lower Upper
85 100
87 35.4 26.9 40.3





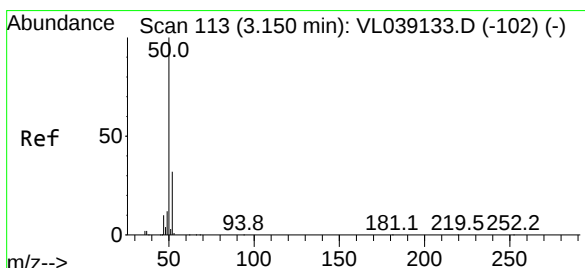
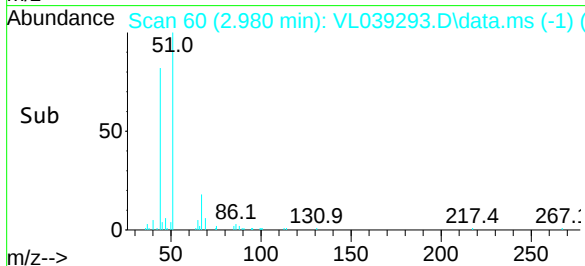
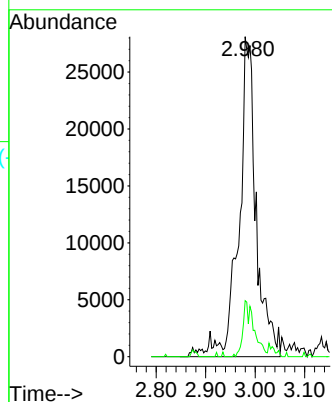
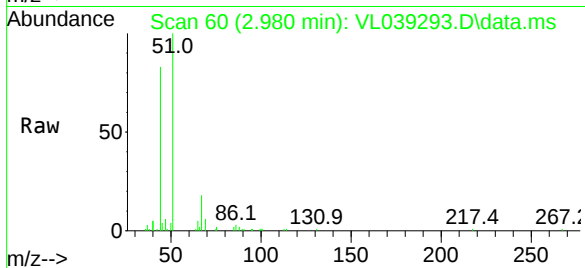
#3
Chlorodifluoromethane
Concen: 0.391 ppbv
RT: 2.980 min Scan# 60
Delta R.T. -0.019 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 51 Resp: 6811
Ion Ratio Lower Upper
51 100
67 12.7 16.2 24.4

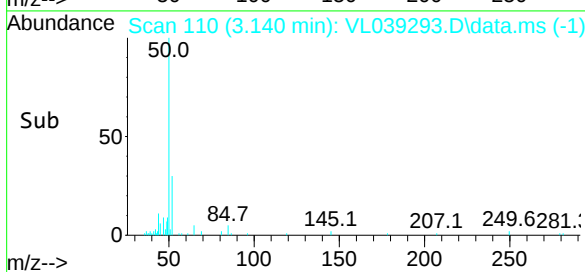
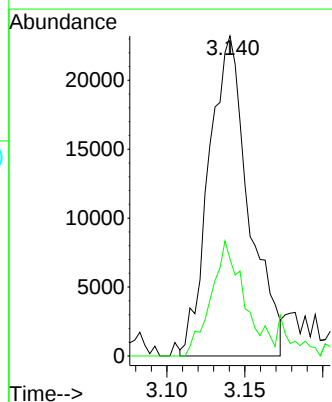
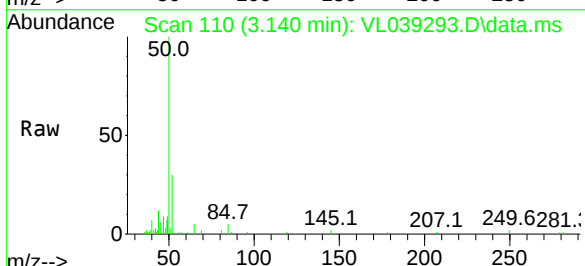
Manual Integrations
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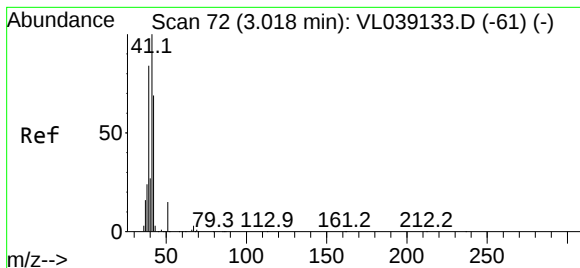
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#4
Chloromethane
Concen: 0.461 ppbv
RT: 3.140 min Scan# 110
Delta R.T. -0.010 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

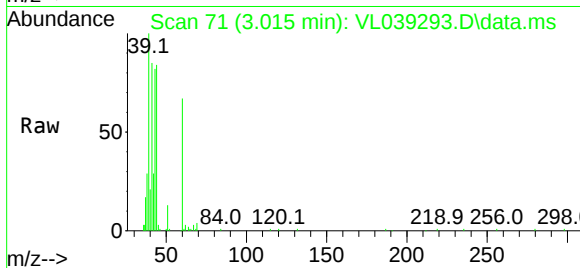
Tgt Ion: 50 Resp: 41256
Ion Ratio Lower Upper
50 100
52 30.6 25.9 38.9





#9
 Propene
 Concen: 0.651 ppbv
 RT: 3.015 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL039293.D
 Acq: 15 Jun 2022 10:30

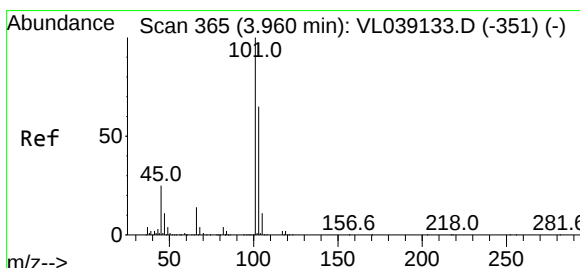
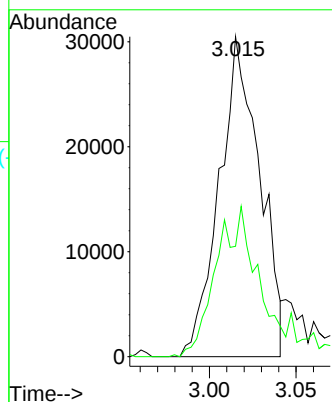
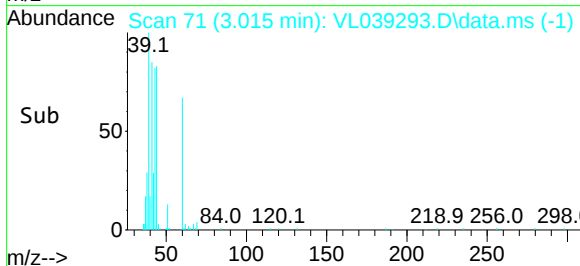
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DUP



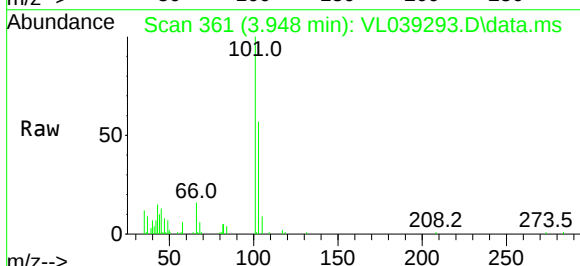
Tgt Ion: 41 Resp: 4948
 Ion Ratio Lower Upper
 41 100
 42 56.1 55.4 83.2

Manual Integrations
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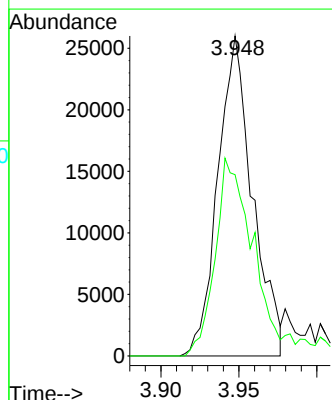
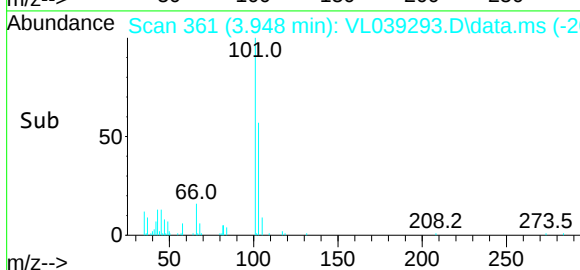
Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/16/2022

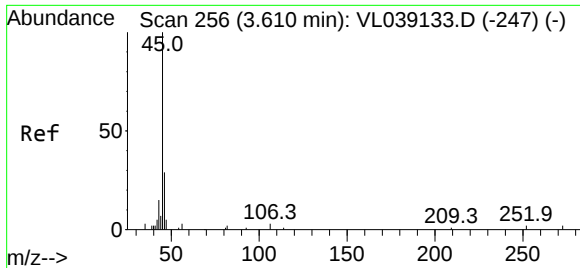


#11
 Trichlorofluoromethane
 Concen: 0.184 ppbv
 RT: 3.948 min Scan# 361
 Delta R.T. -0.013 min
 Lab File: VL039293.D
 Acq: 15 Jun 2022 10:30



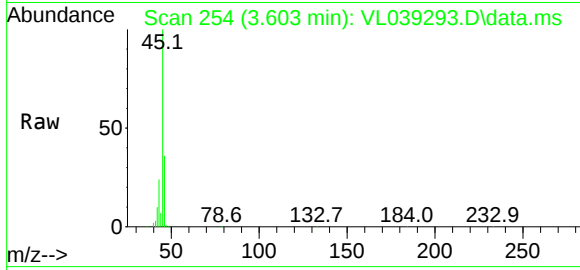
Tgt Ion:101 Resp: 40149
 Ion Ratio Lower Upper
 101 100
 103 55.9 51.7 77.5





#13
Ethanol
Concen: 40.533 ppbv
RT: 3.603 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

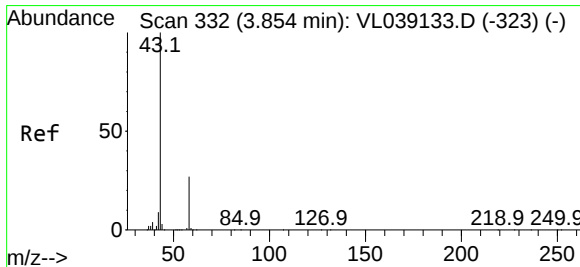
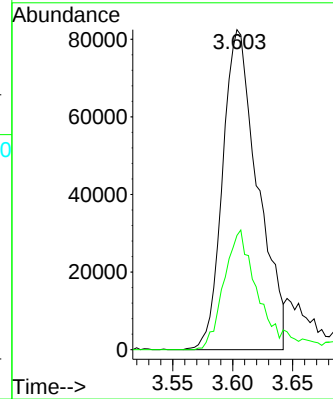
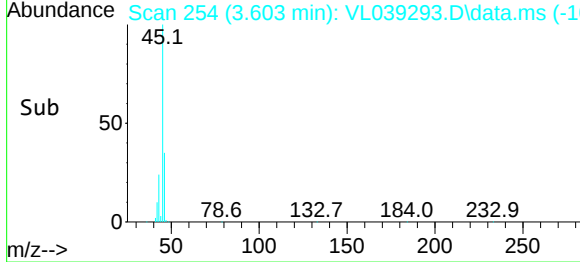
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 45 Resp: 16802
Ion Ratio Lower Upper
45 100
46 39.3 0.0 0.0

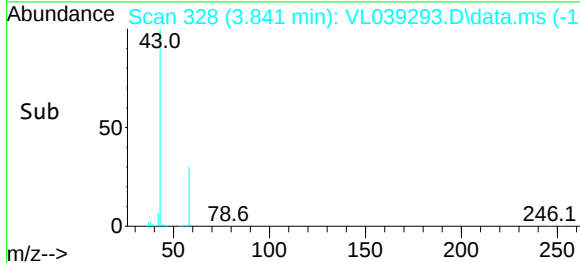
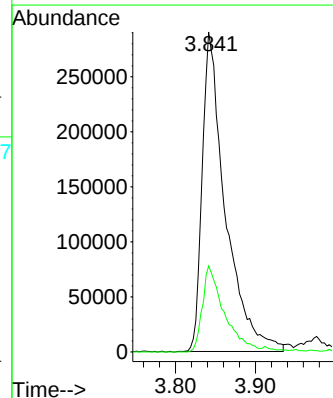
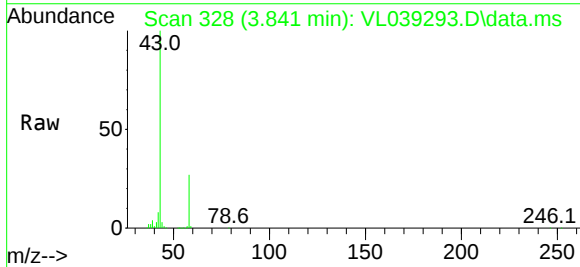
Manual Integrations
APPROVED

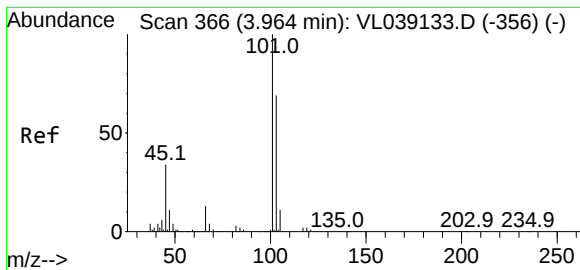
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#15
Acetone
Concen: 4.090 ppbv
RT: 3.841 min Scan# 328
Delta R.T. -0.013 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

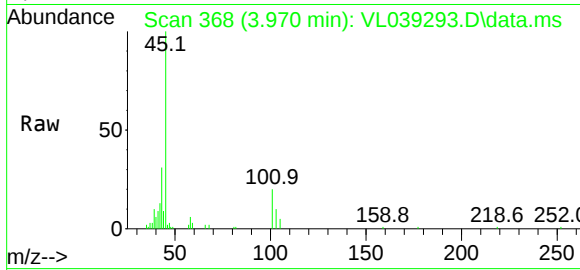
Tgt Ion: 43 Resp: 583668
Ion Ratio Lower Upper
43 100
58 26.5 22.5 33.7





#19
Isopropyl Alcohol
Concen: 1.046 ppbv
RT: 3.970 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

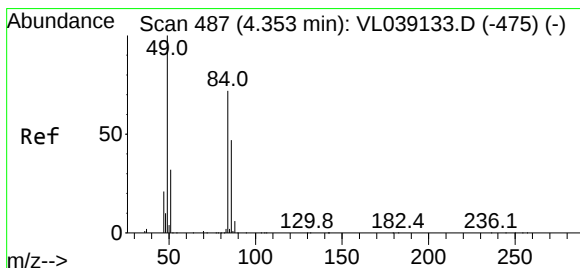
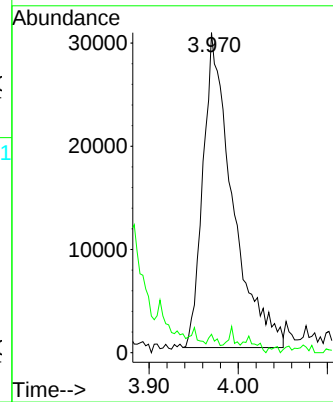
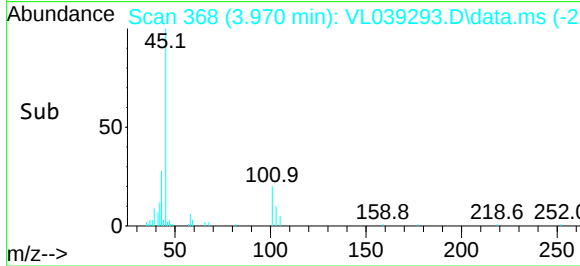
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 45 Resp: 6998
Ion Ratio Lower Upper
45 100
58 228.1 1.8 2.8

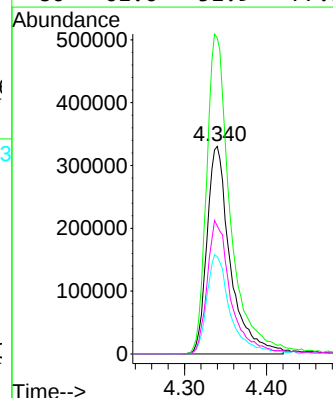
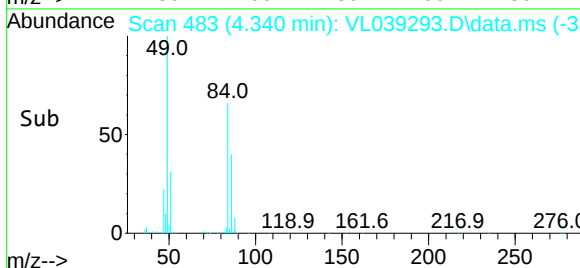
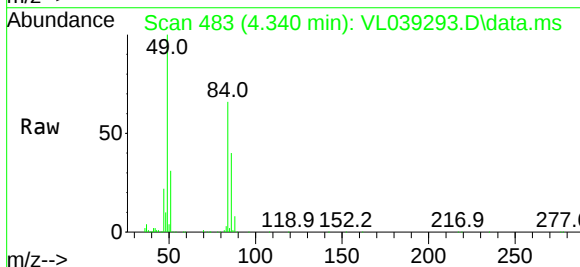
Manual Integrations
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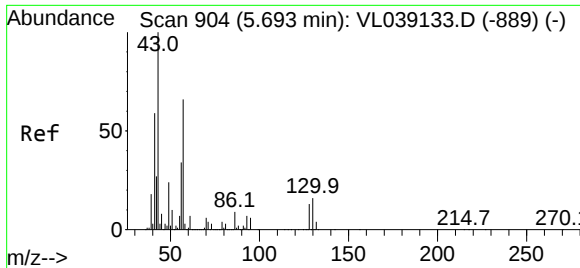
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#20
Methylene Chloride
Concen: 10.870 ppbv
RT: 4.340 min Scan# 483
Delta R.T. -0.013 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

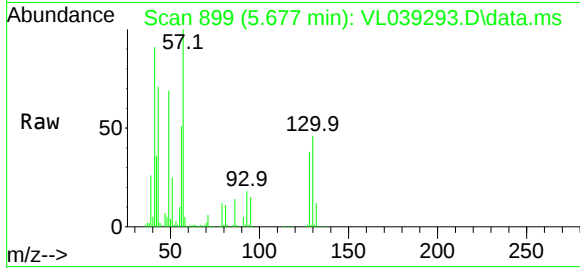
Tgt Ion: 84 Resp: 653726
Ion Ratio Lower Upper
84 100
49 152.1 111.1 166.7
51 46.8 35.3 52.9
86 61.6 51.9 77.9





#26
Hexane
Concen: 5.632 ppbv
RT: 5.677 min Scan# 899
Delta R.T. -0.016 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

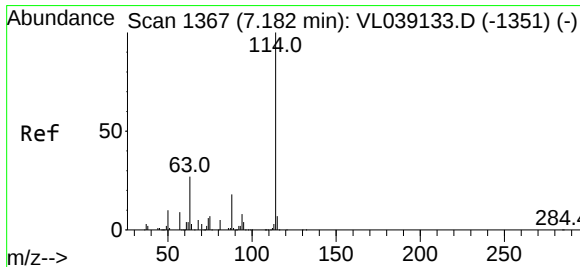
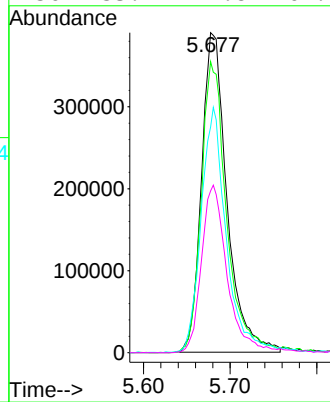
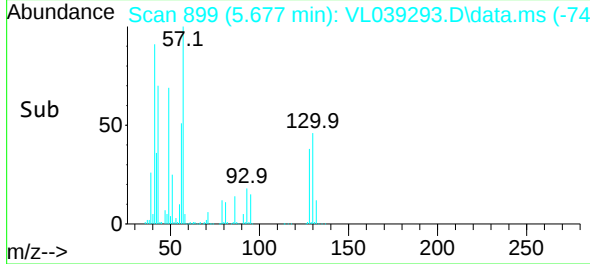
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



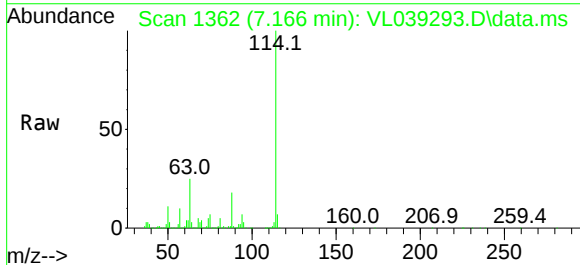
Tgt Ion: 57 Resp: 796074
Ion Ratio Lower Upper
57 100
41 92.7 72.4 108.6
43 77.4 187.0 280.6
56 53.7 41.8 62.6

Manual Integrations
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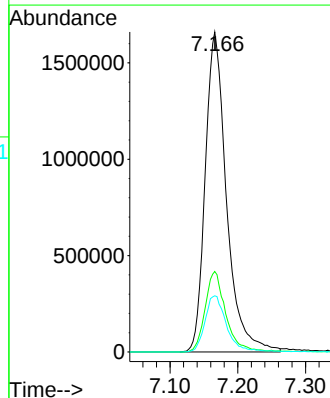
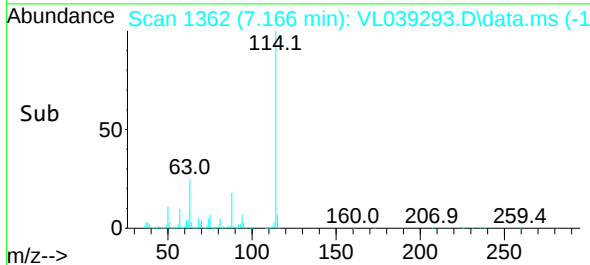
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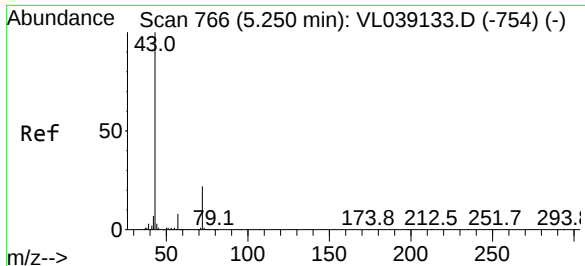


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. -0.016 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30



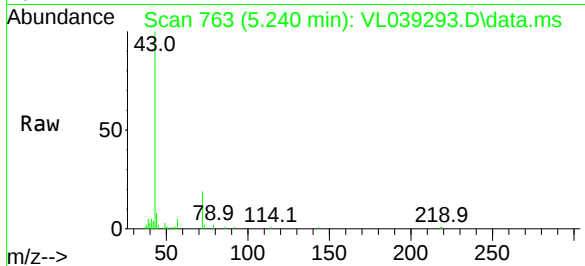
Tgt Ion:114 Resp: 3628793
Ion Ratio Lower Upper
114 100
63 24.8 21.7 32.5
88 17.9 14.8 22.2





#34
2-Butanone
Concen: 0.282 ppbv
RT: 5.240 min Scan# 766
Delta R.T. -0.010 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

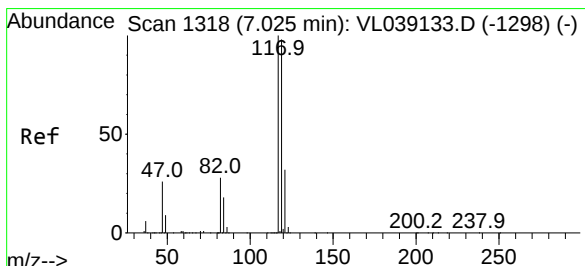
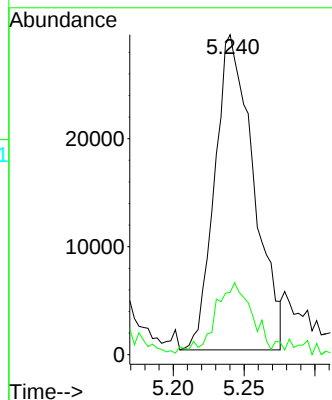
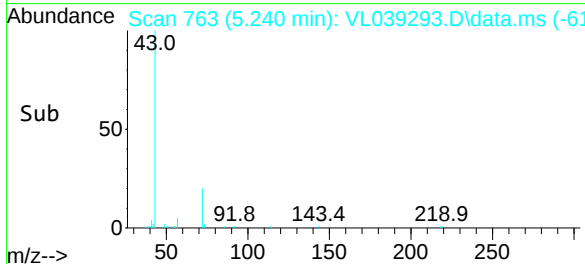
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 43 Resp: 5557
Ion Ratio Lower Upper
43 100
72 25.4 18.2 27.2

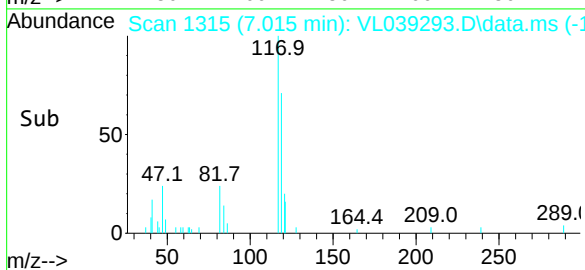
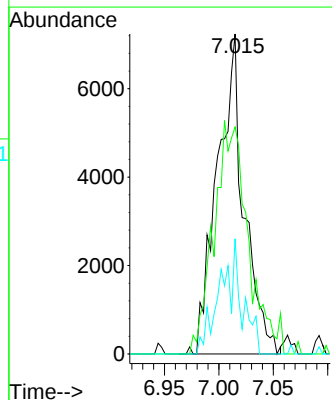
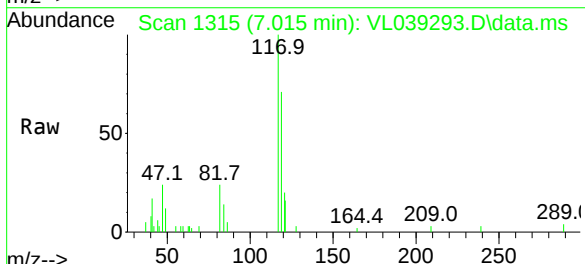
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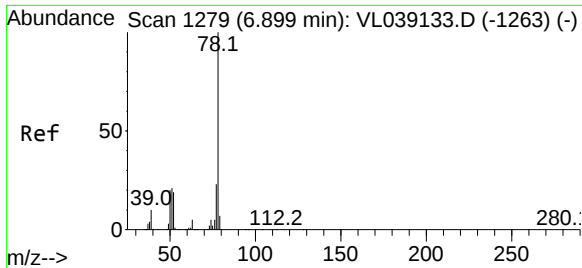
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#35
Carbon Tetrachloride
Concen: 0.046 ppbv m
RT: 7.015 min Scan# 1315
Delta R.T. -0.010 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

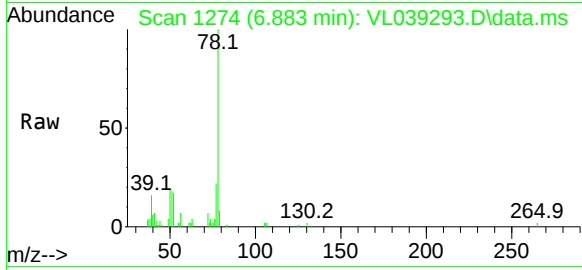
Tgt Ion:117 Resp: 12303
Ion Ratio Lower Upper
117 100
119 70.9 78.6 118.0#
121 20.1 25.4 38.0#





#36
Benzene
Concen: 0.116 ppbv
RT: 6.883 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

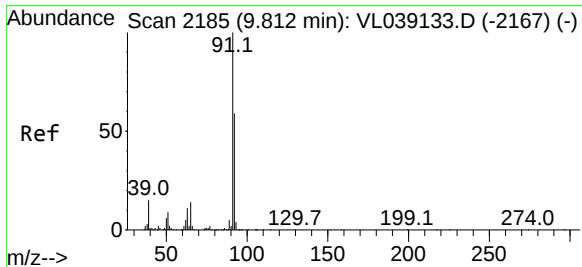
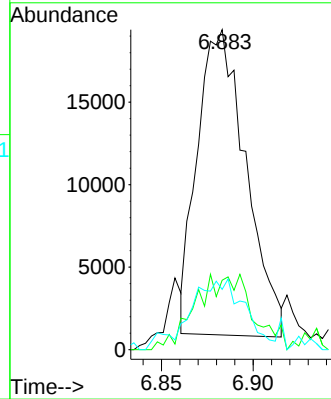
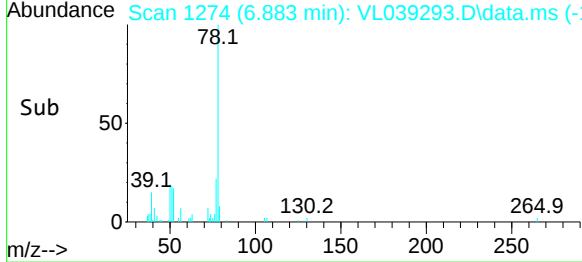
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 78 Resp: 34050
Ion Ratio Lower Upper
78 100
77 16.1 18.6 27.8
50 12.2 15.8 23.8

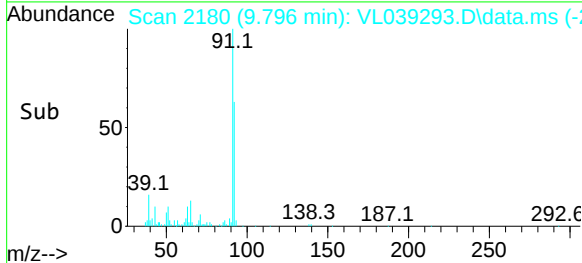
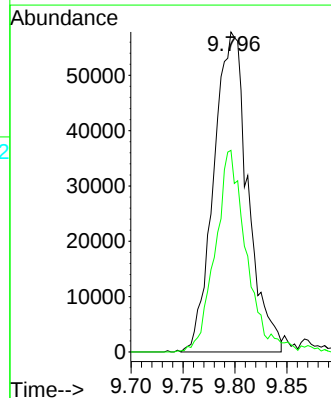
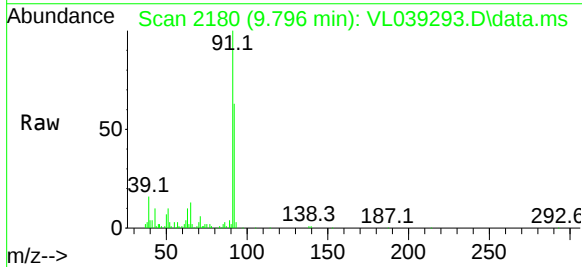
Manual Integrations
APPROVED

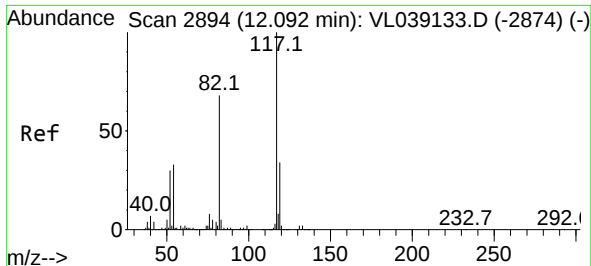
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#53
Toluene
Concen: 0.390 ppbv
RT: 9.796 min Scan# 2180
Delta R.T. -0.016 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

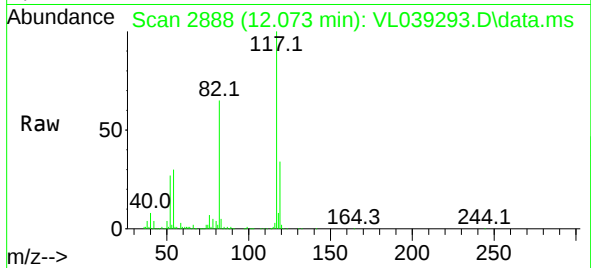
Tgt Ion: 91 Resp: 132197
Ion Ratio Lower Upper
91 100
92 58.2 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.073 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

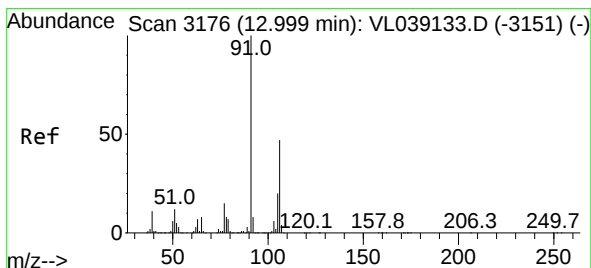
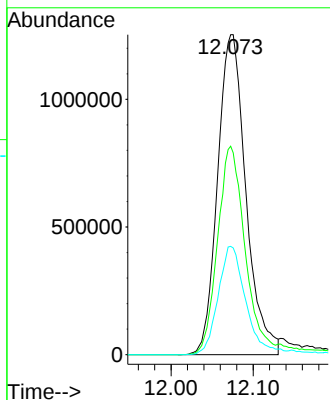
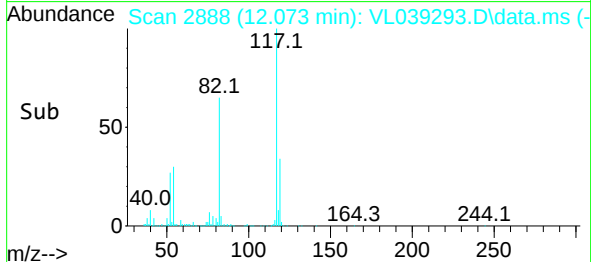
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion:117 Resp: 3007894
Ion Ratio Lower Upper
117 100
82 68.7 55.1 82.7
119 34.9 24.7 37.1

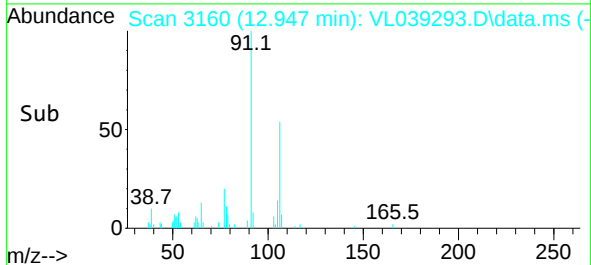
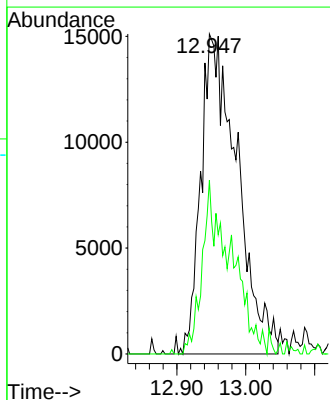
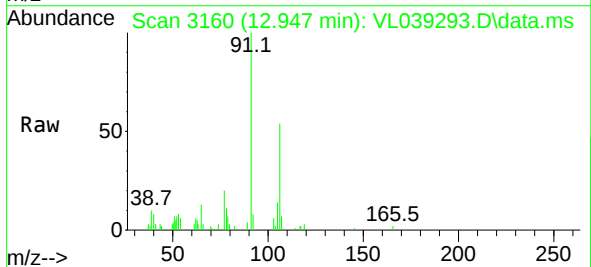
Manual Integrations
APPROVED

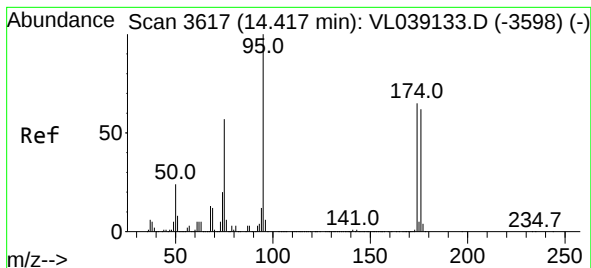
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#59
m/p-Xylene
Concen: 0.151 ppbv m
RT: 12.947 min Scan# 3160
Delta R.T. -0.051 min
Lab File: VL039293.D
Acq: 15 Jun 2022 10:30

Tgt Ion: 91 Resp: 55158
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.514 ppbv

RT: 14.400 min Scan# 3612

Delta R.T. -0.016 min

Lab File: VL039293.D

Acq: 15 Jun 2022 10:30

Instrument :

MSVOA_L

ClientSampleId :

OA1DUP

Tgt Ion: 95 Resp: 2365910

Ion Ratio Lower Upper

95 100

174 72.4 53.8 80.8

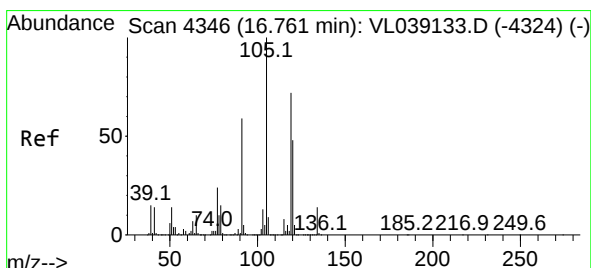
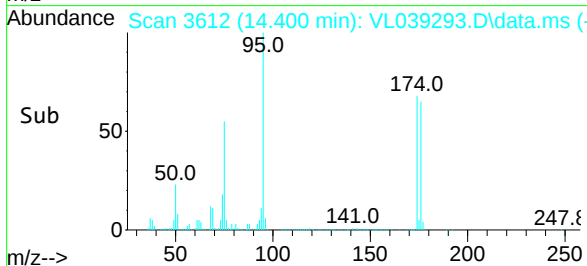
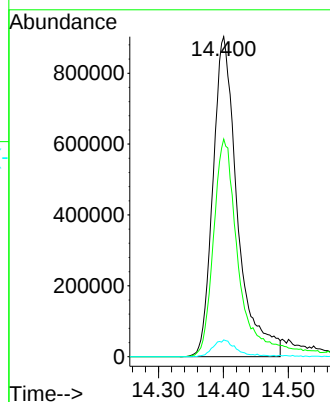
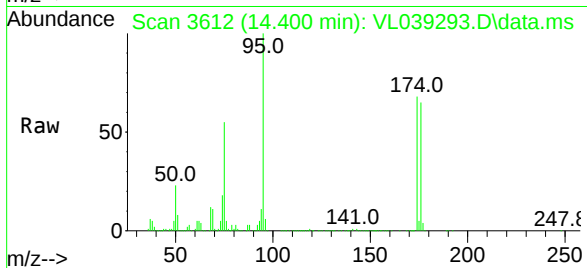
175 5.4 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.099 ppbv m

RT: 16.748 min Scan# 4342

Delta R.T. -0.013 min

Lab File: VL039293.D

Acq: 15 Jun 2022 10:30

Tgt Ion:105 Resp: 40223

Ion Ratio Lower Upper

105 100

120 25.4 38.1 57.1#

91 9.8 47.4 71.0#

77 8.8 19.5 29.3#

