

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039489.D
 Acq On : 19 Jul 2022 19:45
 Operator : SY/AP
 Sample : N3750-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 20 05:41:23 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6 2022

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	5.681	49	1287321	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	3512187	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.102	117	3143660	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	2346958	10.064	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%
Target Compounds						Qvalue
9) Propene	3.028	41	275742	3.738	ppbv	87
10) Heptane	8.137	43	65935m	0.382	ppbv	
13) Ethanol	3.626	45	25572m	5.976	ppbv	
15) Acetone	3.857	43	1950969	12.810	ppbv	93
17) tert-Butyl alcohol	4.304	59	63410m	0.491	ppbv	
19) Isopropyl Alcohol	3.980	45	47877	0.589	ppbv #	88
20) Methylene Chloride	4.362	84	118552	1.953	ppbv	89
26) Hexane	5.703	57	1445058	11.480	ppbv #	37
27) Carbon Disulfide	4.565	76	47596	0.313	ppbv #	67
29) Chloroform	5.761	83	139337	0.637	ppbv	86
34) 2-Butanone	5.259	43	177653	1.005	ppbv #	89
36) Benzene	6.909	78	74414	0.274	ppbv #	92
52) Tetrachloroethene	11.249	164	15914m	0.145	ppbv	
53) Toluene	9.819	91	131437	0.419	ppbv	98
59) m/p-Xylene	12.979	91	59404m	0.166	ppbv	
74) 1,2,4-Trimethylbenzene	16.780	105	82131	0.203	ppbv #	63

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

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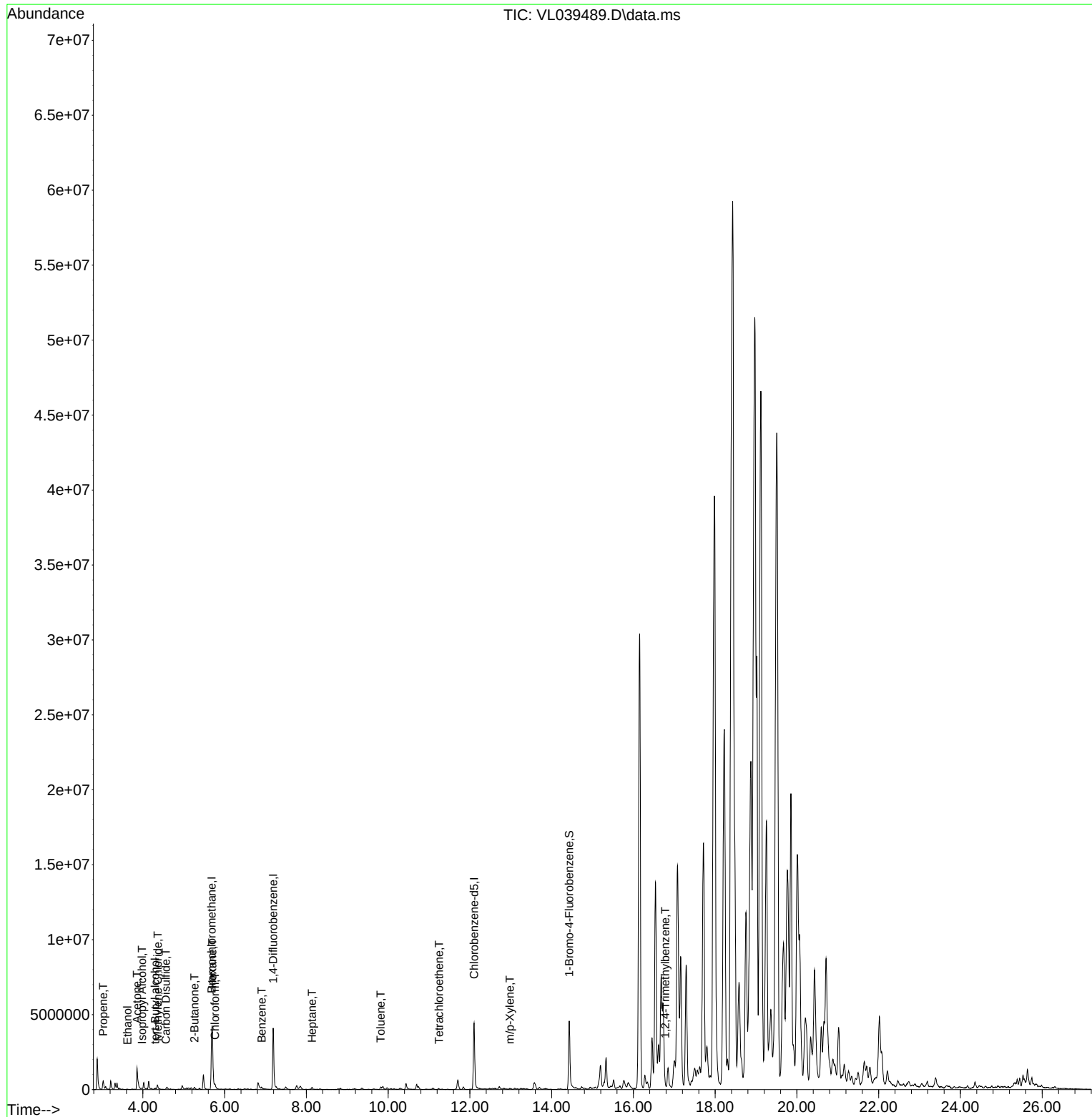
Quant Time: Jul 20 05:41:23 2022

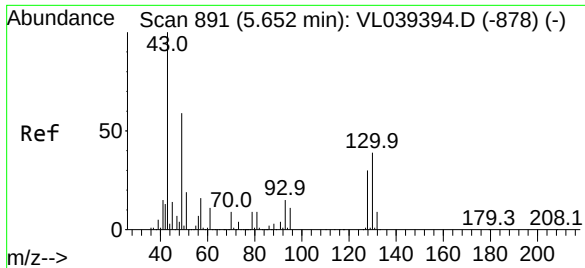
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

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

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

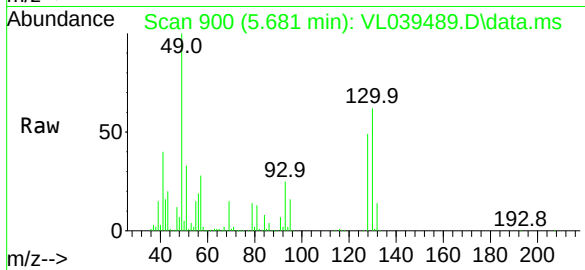
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.029 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

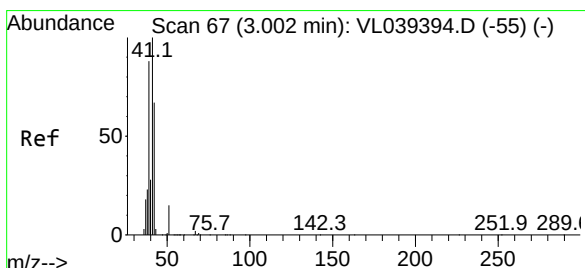
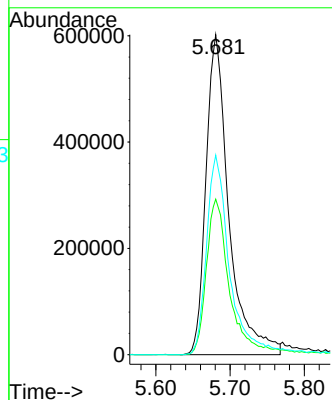
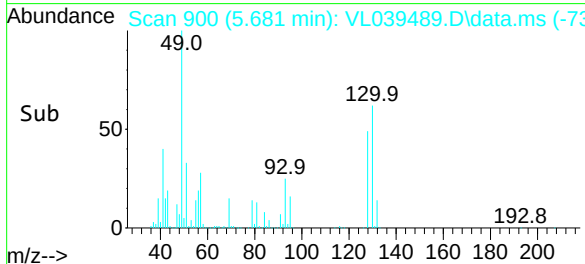
Instrument :
MSVOA_L
ClientSampleId :
SV-3



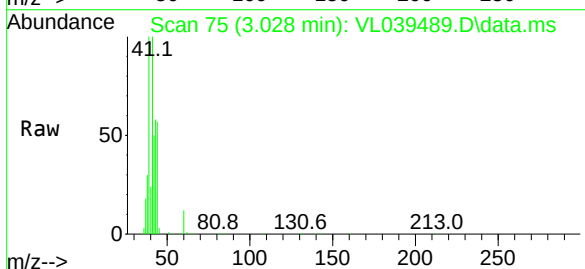
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Ion Ratio Lower Upper
49 100
128 51.0 26.7 80.0
130 64.5 34.3 102.8

Manual Integrations
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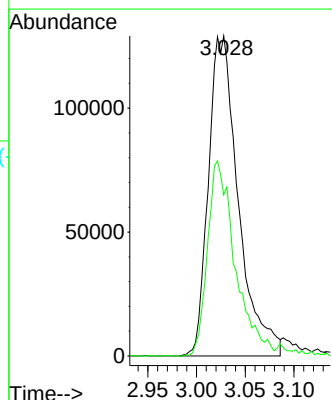
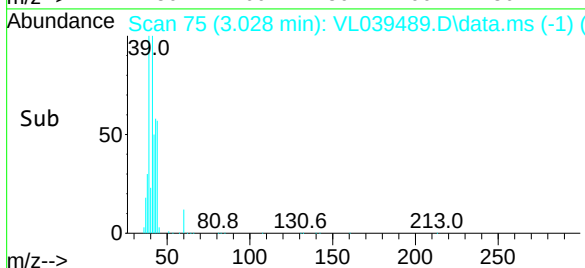
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

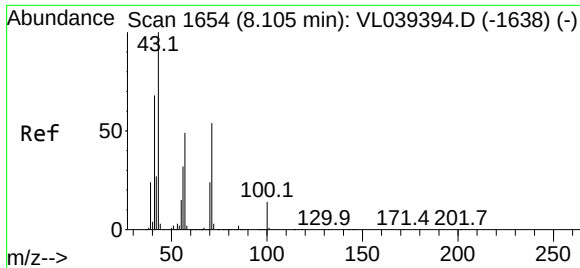


#9
Propene
Concen: 3.738 ppbv
RT: 3.028 min Scan# 75
Delta R.T. 0.026 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45



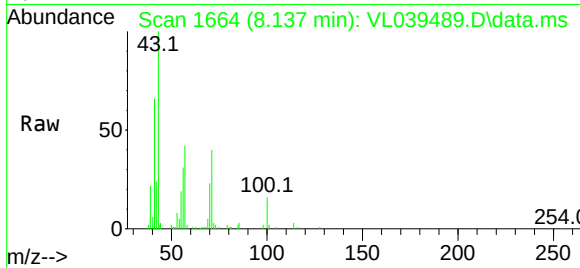
Tgt Ion: 41 Resp: 275742
Ion Ratio Lower Upper
41 100
42 58.5 55.2 82.8





#10
Heptane
Concen: 0.382 ppbv m
RT: 8.137 min Scan# 1664
Delta R.T. 0.032 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

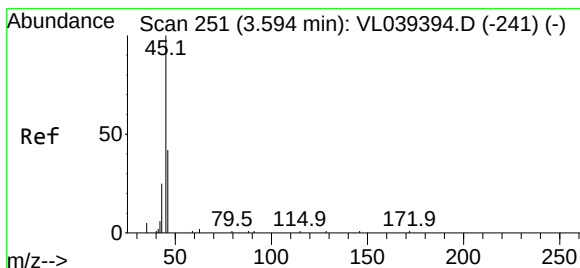
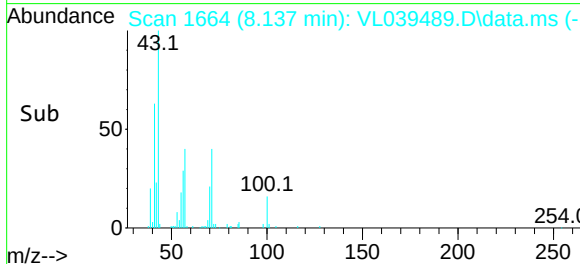
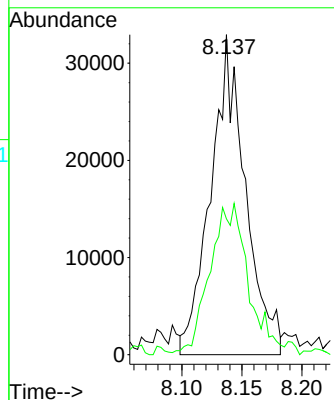
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 43 Resp: 65938
Ion Ratio Lower Upper
43 100
57 54.1 40.5 60.7

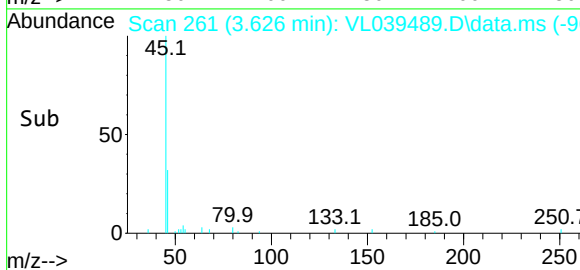
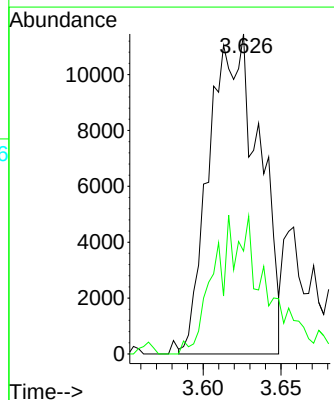
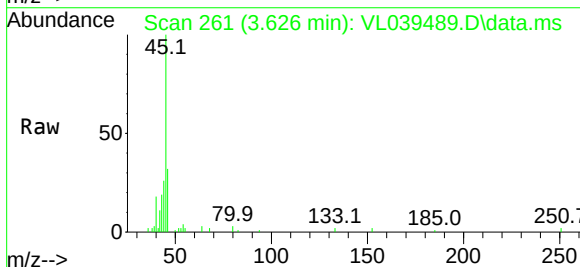
Manual Integrations
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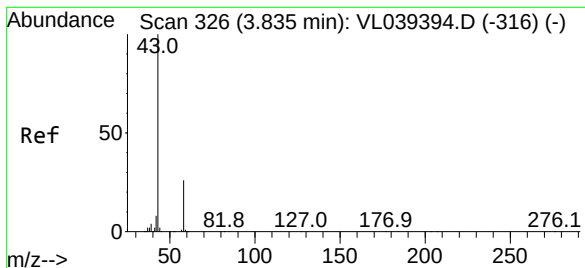
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#13
Ethanol
Concen: 5.976 ppbv m
RT: 3.626 min Scan# 261
Delta R.T. 0.032 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

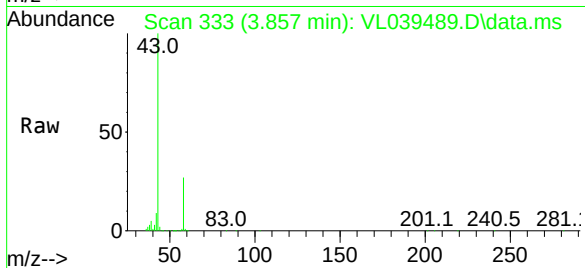
Tgt Ion: 45 Resp: 25572
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2#





#15
Acetone
Concen: 12.810 ppbv
RT: 3.857 min Scan# 31
Delta R.T. 0.022 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

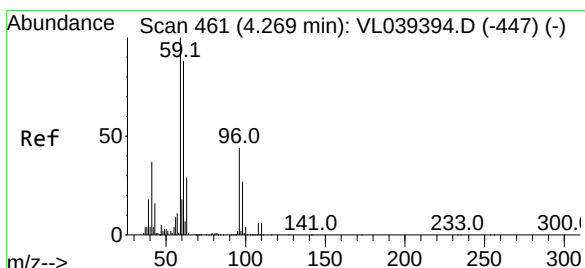
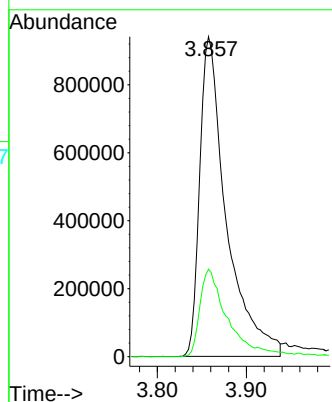
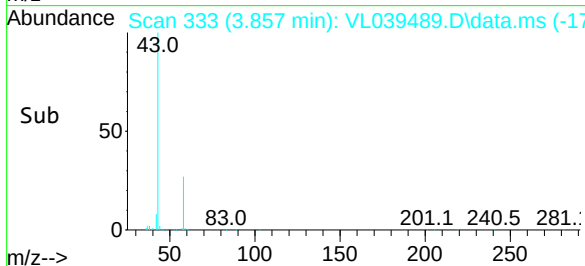
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 43 Resp: 195096
Ion Ratio Lower Upper
43 100
58 29.6 21.0 31.6

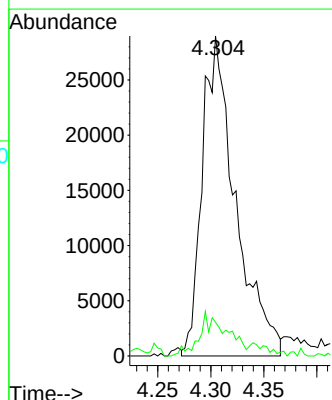
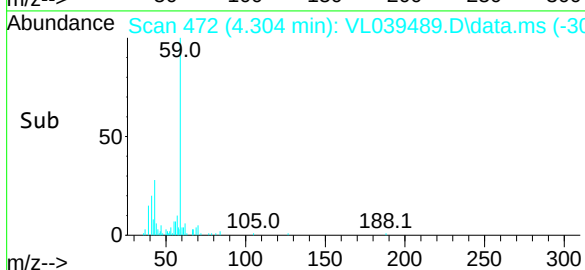
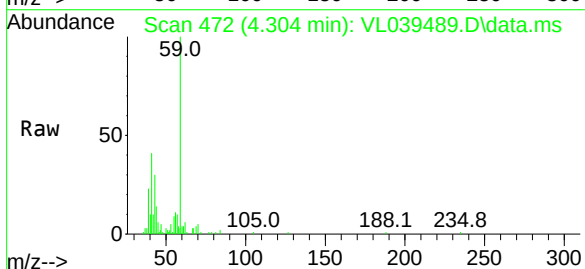
Manual Integrations
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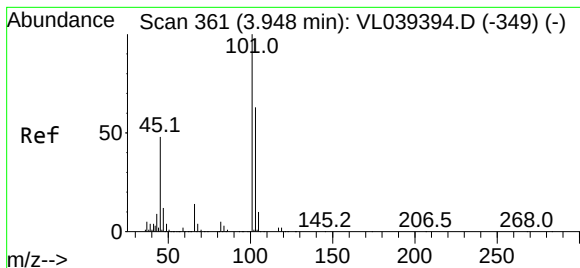
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#17
tert-Butyl alcohol
Concen: 0.491 ppbv m
RT: 4.304 min Scan# 472
Delta R.T. 0.035 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

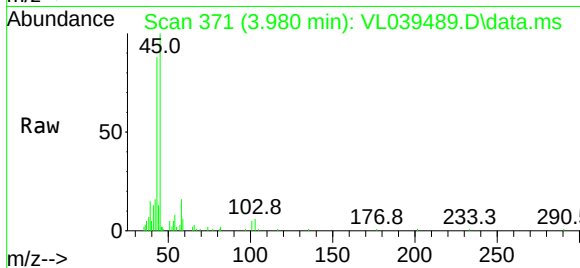
Tgt Ion: 59 Resp: 63410
Ion Ratio Lower Upper
59 100
57 14.0 8.7 13.1#





#19
Isopropyl Alcohol
Concen: 0.589 ppbv
RT: 3.980 min Scan# 31
Delta R.T. 0.032 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

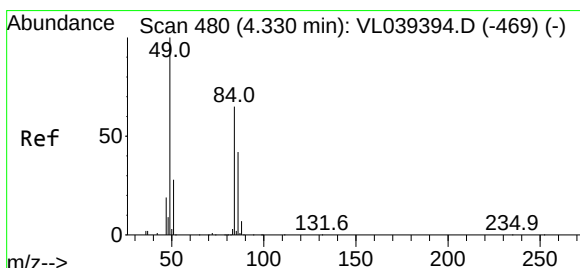
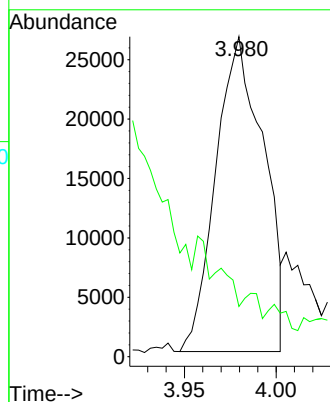
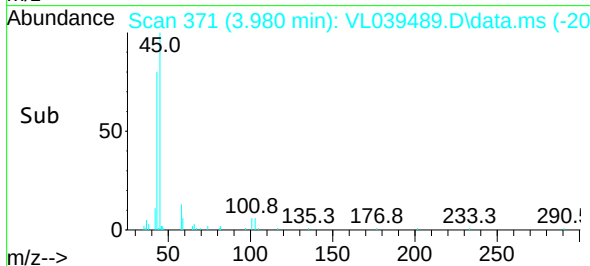
Instrument :
MSVOA_L
ClientSampleId :
SV-3



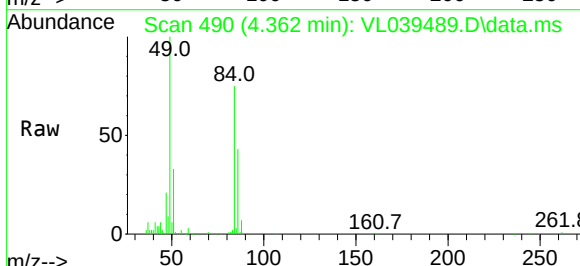
Tgt Ion: 45 Resp: 4787
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8

Manual Integrations
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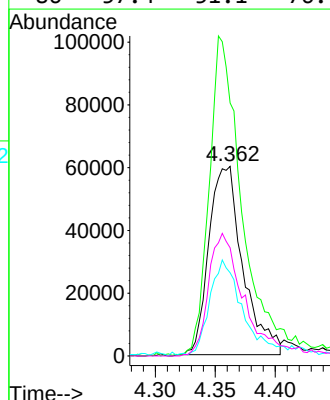
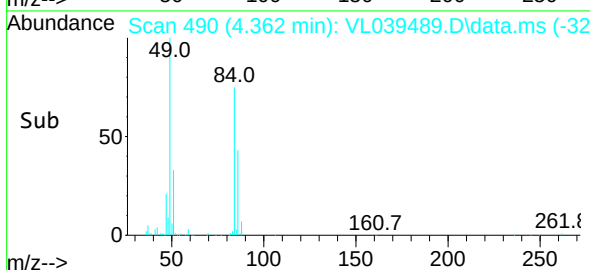
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

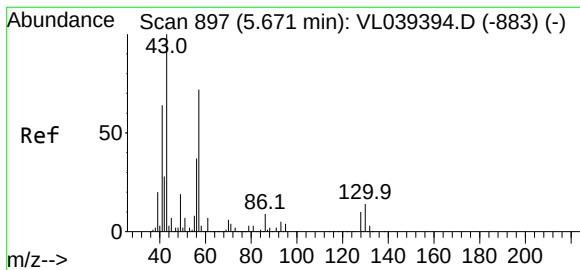


#20
Methylene Chloride
Concen: 1.953 ppbv
RT: 4.362 min Scan# 490
Delta R.T. 0.032 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45



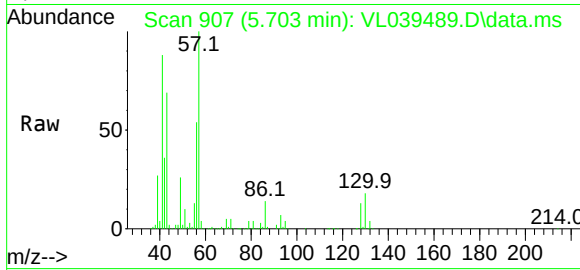
Tgt Ion: 84 Resp: 118552
Ion Ratio Lower Upper
84 100
49 133.3 123.1 184.7
51 43.1 34.4 51.6
86 57.4 51.1 76.7





#26
Hexane
Concen: 11.480 ppbv
RT: 5.703 min Scan# 907
Delta R.T. 0.032 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

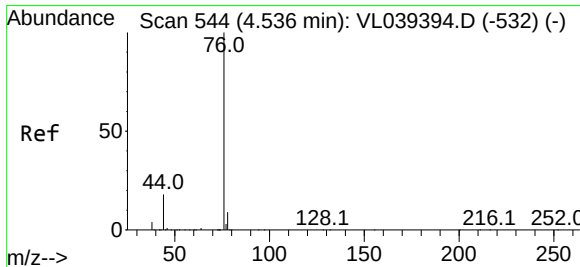
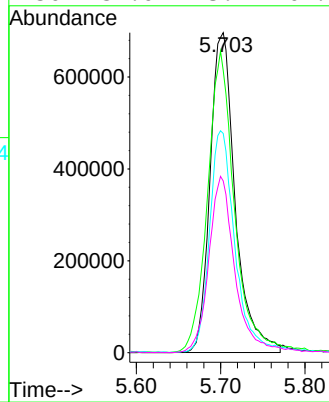
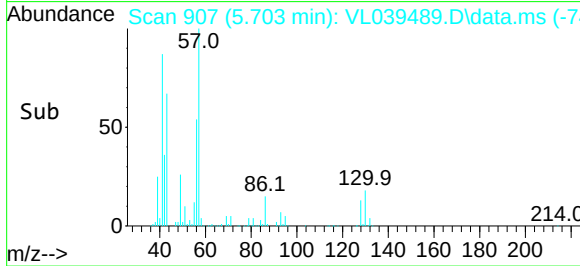
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 57 Resp: 1445058
Ion Ratio Lower Upper
57 100
41 102.9 76.9 115.3
43 71.1 191.0 286.6
56 57.6 43.2 64.8

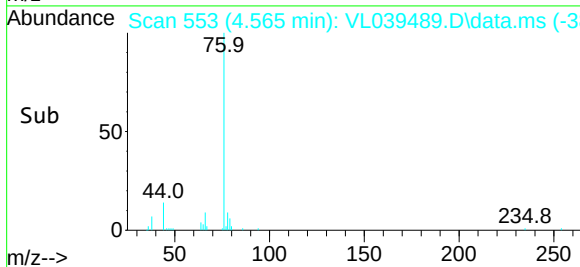
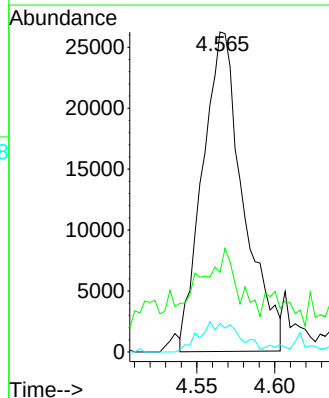
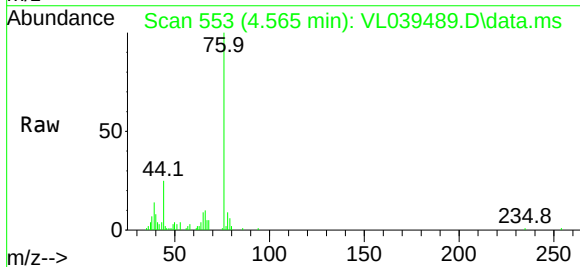
Manual Integrations
APPROVED

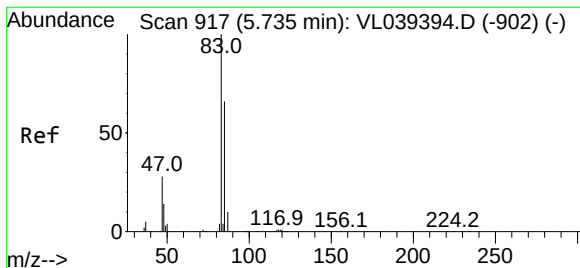
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#27
Carbon Disulfide
Concen: 0.313 ppbv
RT: 4.565 min Scan# 553
Delta R.T. 0.029 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 76 Resp: 47596
Ion Ratio Lower Upper
76 100
44 40.1 14.6 21.8
78 10.0 7.8 11.6





#29

Chloroform

Concen: 0.637 ppbv

RT: 5.761 min Scan# 917

Delta R.T. 0.026 min

Lab File: VL039489.D

Acq: 19 Jul 2022 19:45

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tgt Ion: 83 Resp: 13933

Ion Ratio Lower Upper

83 100

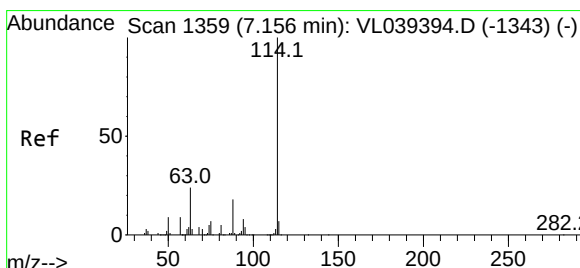
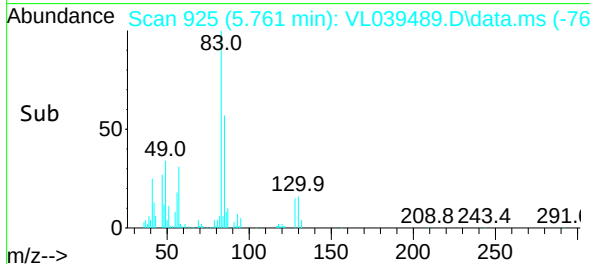
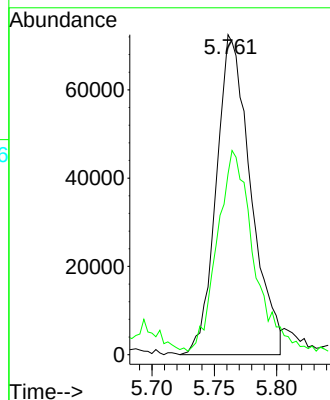
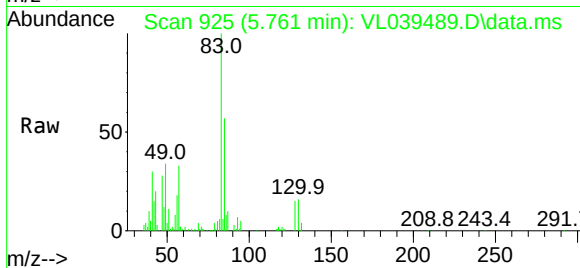
85 54.9 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.189 min Scan# 1369

Delta R.T. 0.032 min

Lab File: VL039489.D

Acq: 19 Jul 2022 19:45

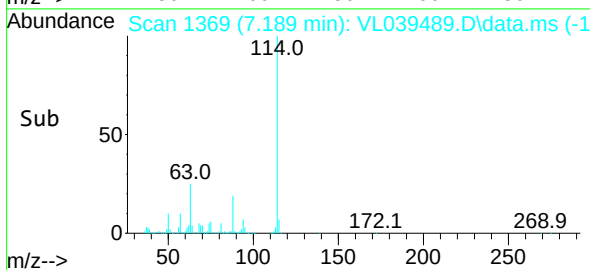
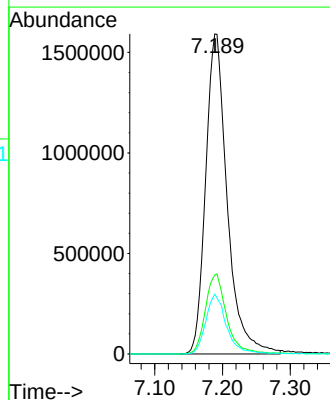
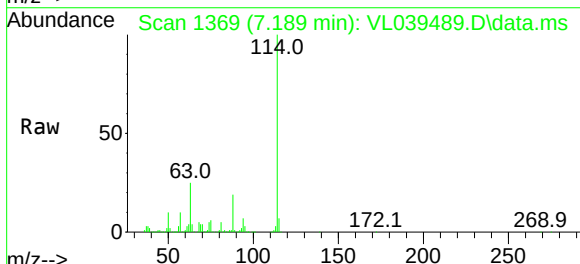
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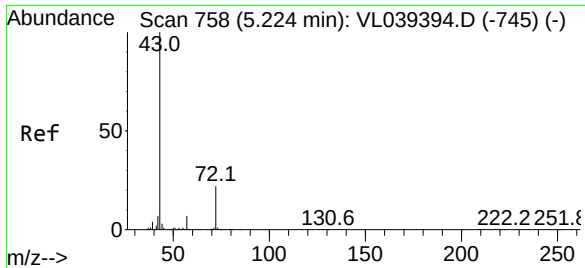
Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.4

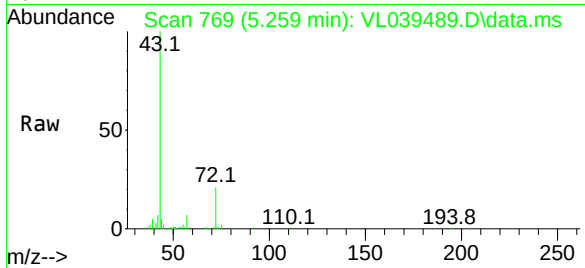
88 18.0 14.5 21.7





#34
2-Butanone
Concen: 1.005 ppbv
RT: 5.259 min Scan# 70
Delta R.T. 0.035 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

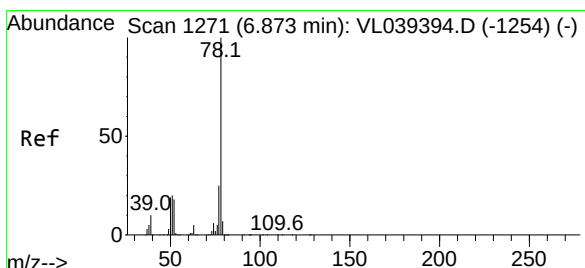
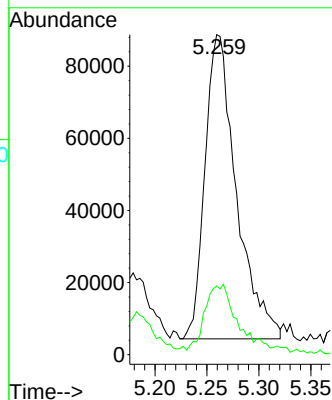
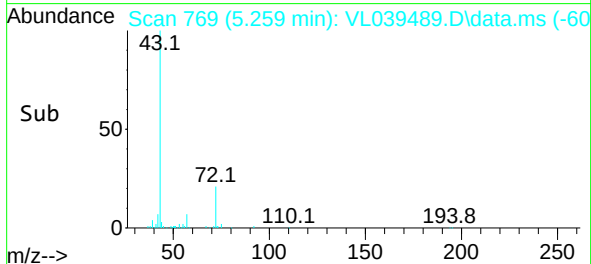
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion: 43 Resp: 17765
Ion Ratio Lower Upper
43 100
72 27.6 17.9 26.9

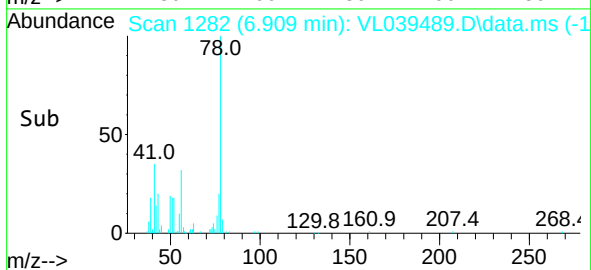
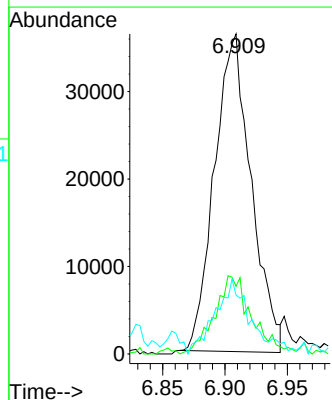
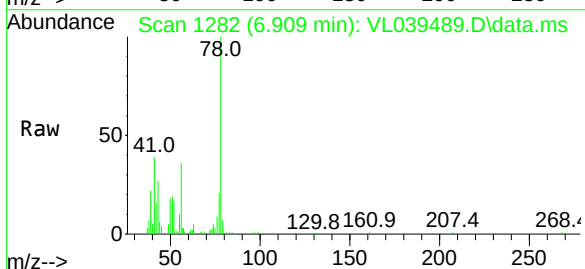
Manual Integrations
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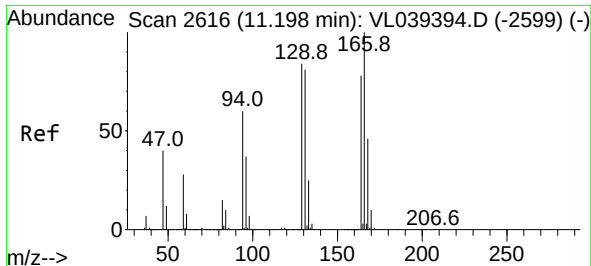
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#36
Benzene
Concen: 0.274 ppbv
RT: 6.909 min Scan# 1282
Delta R.T. 0.035 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

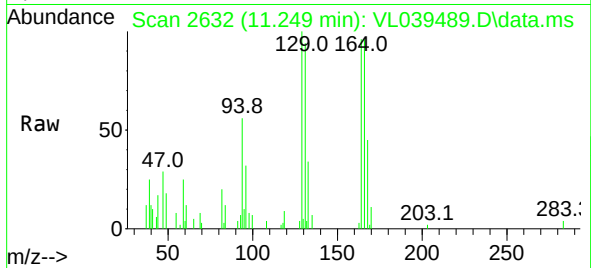
Tgt Ion: 78 Resp: 74414
Ion Ratio Lower Upper
78 100
77 21.4 20.3 30.5
50 15.4 15.5 23.3





#52
Tetrachloroethene
Concen: 0.145 ppbv m
RT: 11.249 min Scan# 2187
Delta R.T. 0.051 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

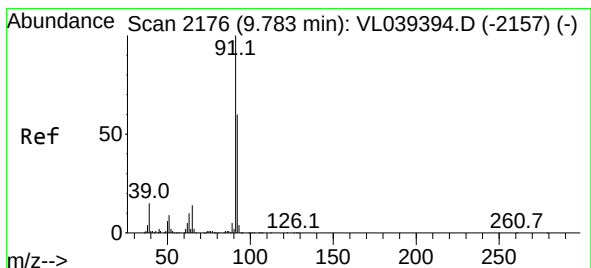
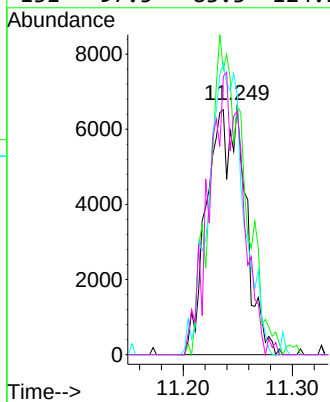
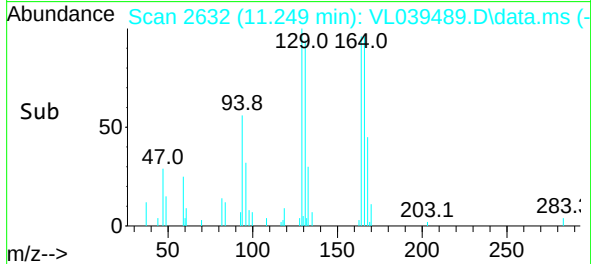
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion:164 Resp: 15914
Ion Ratio Lower Upper
164 100
166 99.3 102.2 153.2
129 104.0 85.8 128.8
131 97.5 83.3 124.9

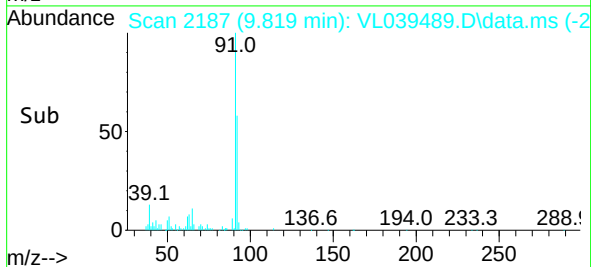
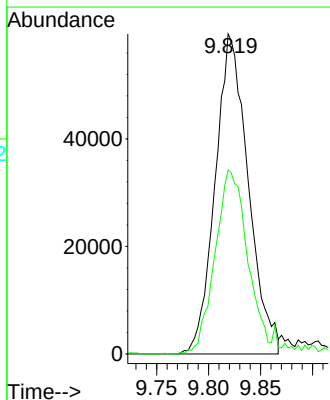
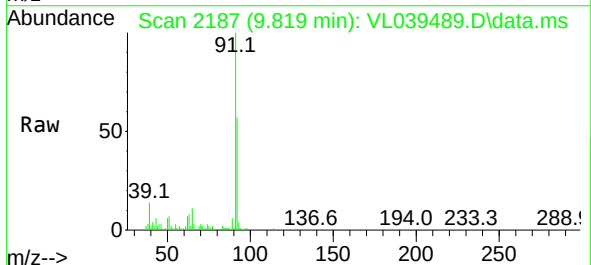
Manual Integrations
APPROVED

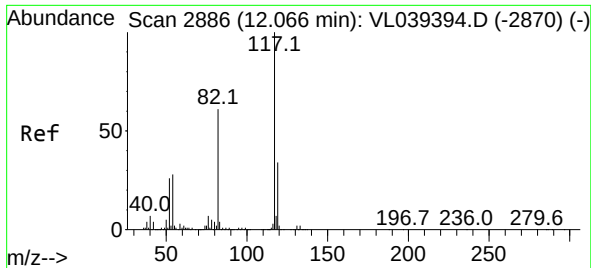
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#53
Toluene
Concen: 0.419 ppbv
RT: 9.819 min Scan# 2187
Delta R.T. 0.035 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

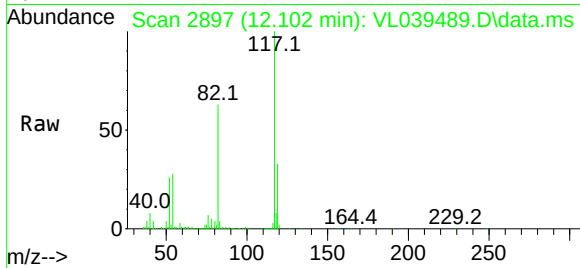
Tgt Ion: 91 Resp: 131437
Ion Ratio Lower Upper
91 100
92 58.6 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.102 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

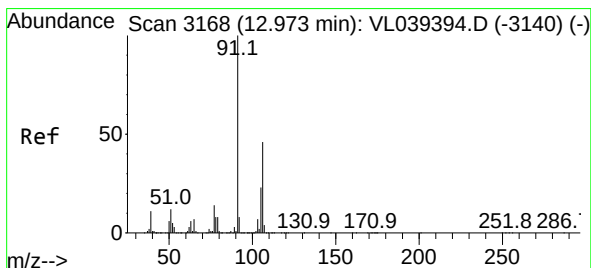
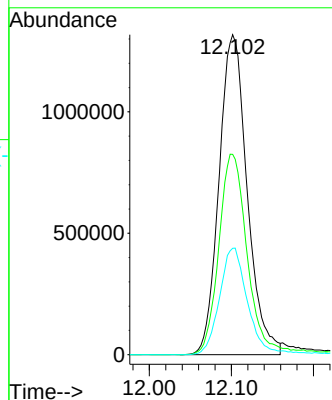
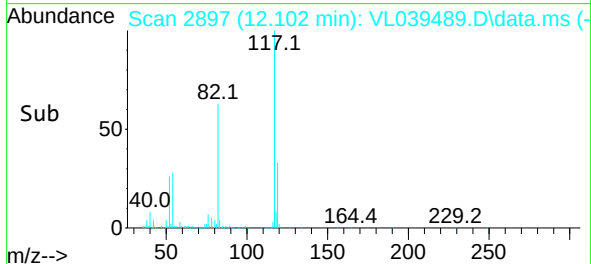
Instrument :
MSVOA_L
ClientSampleId :
SV-3



Tgt Ion:117 Resp: 314366
Ion Ratio Lower Upper
117 100
82 65.2 50.8 76.2
119 34.0 24.1 36.1

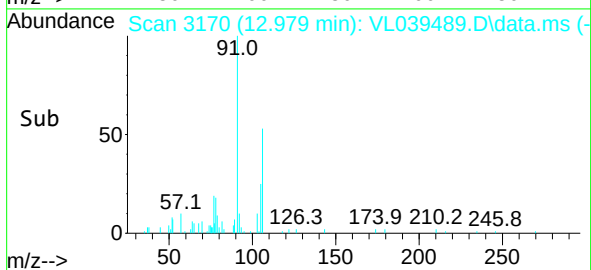
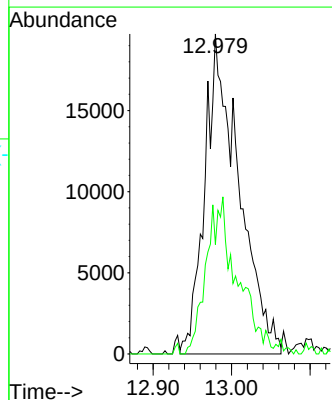
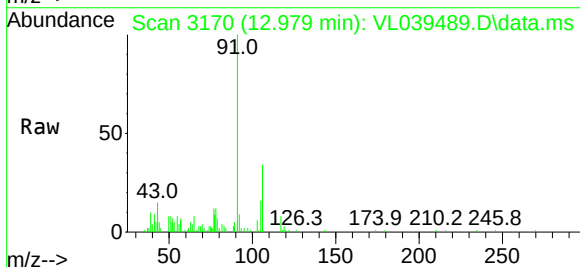
Manual Integrations
APPROVED

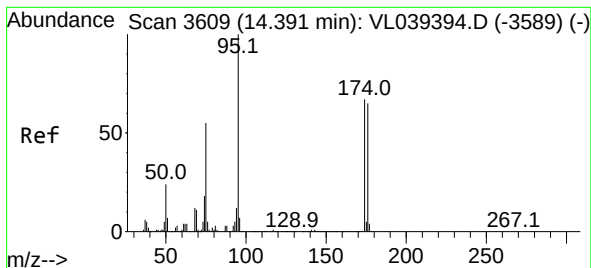
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#59
m/p-Xylene
Concen: 0.166 ppbv m
RT: 12.979 min Scan# 3170
Delta R.T. 0.006 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 91 Resp: 59404
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.064 ppbv

RT: 14.429 min Scan# 30

Delta R.T. 0.039 min

Lab File: VL039489.D

Acq: 19 Jul 2022 19:45

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tgt Ion: 95 Resp: 234695

Ion Ratio Lower Upper

95 100

174 75.8 55.9 83.9

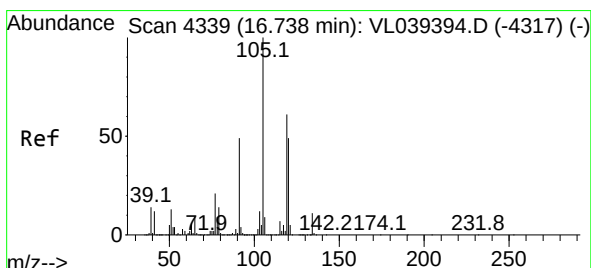
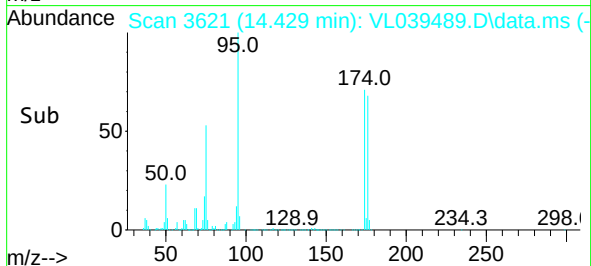
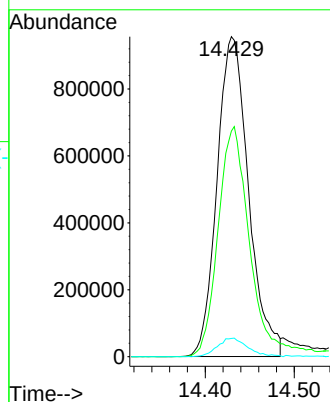
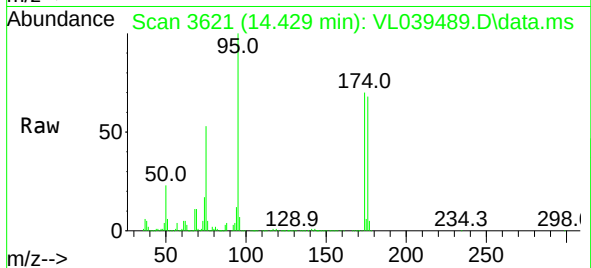
175 6.0 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.203 ppbv

RT: 16.780 min Scan# 4352

Delta R.T. 0.042 min

Lab File: VL039489.D

Acq: 19 Jul 2022 19:45

Tgt Ion:105 Resp: 82131

Ion Ratio Lower Upper

105 100

120 38.4 39.5 59.3#

91 7.3 39.2 58.8#

77 7.1 17.2 25.8#

