

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
 Data File : VL039304.D
 Acq On : 15 Jun 2022 20:36
 Operator : SY/AP
 Sample : N3326-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/17/2022

Quant Time: Jun 16 04:37:26 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 0

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	5.655	49	1326748	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.163	114	3605648	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.066	117	3391759	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.397	95	2672324	9.530	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.044	85	42952	0.184	ppbv	94
3) Chlorodifluoromethane	2.986	51	37343	0.221	ppbv	98
4) Chloromethane	3.137	50	20389	0.235	ppbv	90
7) Chloroethane	3.552	64	3634m	0.129	ppbv	
9) Propene	3.015	41	117358	1.594	ppbv #	77
10) Heptane	8.111	43	53616m	0.312	ppbv	
11) Trichlorofluoromethane	3.948	101	54241	0.257	ppbv	97
13) Ethanol	3.594	45	45274m	11.278	ppbv	
15) Acetone	3.838	43	2125263	15.378	ppbv	98
17) tert-Butyl alcohol	4.282	59	154939	1.445	ppbv	97
19) Isopropyl Alcohol	3.957	45	47756m	0.737	ppbv	
20) Methylene Chloride	4.337	84	109651	1.883	ppbv	96
23) Vinyl Acetate	5.060	43	3475593	30.395	ppbv	99
26) Hexane	5.677	57	467968	3.419	ppbv #	34
27) Carbon Disulfide	4.546	76	27639	0.195	ppbv #	53
29) Chloroform	5.742	83	36506	0.158	ppbv	97
34) 2-Butanone	5.237	43	206884	1.056	ppbv	93
36) Benzene	6.883	78	40964	0.140	ppbv #	91
44) 2,2,4-Trimethylpentane	7.857	57	285409	0.557	ppbv #	85
51) 2-Hexanone	10.118	43	144576	0.634	ppbv #	100
52) Tetrachloroethene	11.208	164	422761	3.699	ppbv	94
53) Toluene	9.787	91	246418	0.731	ppbv	97
58) Ethyl Benzene	12.696	91	104532	0.224	ppbv	91
59) m/p-Xylene	12.950	91	353471	0.859	ppbv	95
60) o-Xylene	13.671	91	151177	0.391	ppbv	99
72) 4-Ethyltoluene	15.818	105	87164	0.192	ppbv #	78
73) 1,3,5-Trimethylbenzene	15.979	105	75281m	0.184	ppbv	
74) 1,2,4-Trimethylbenzene	16.748	105	310421	0.681	ppbv #	64

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

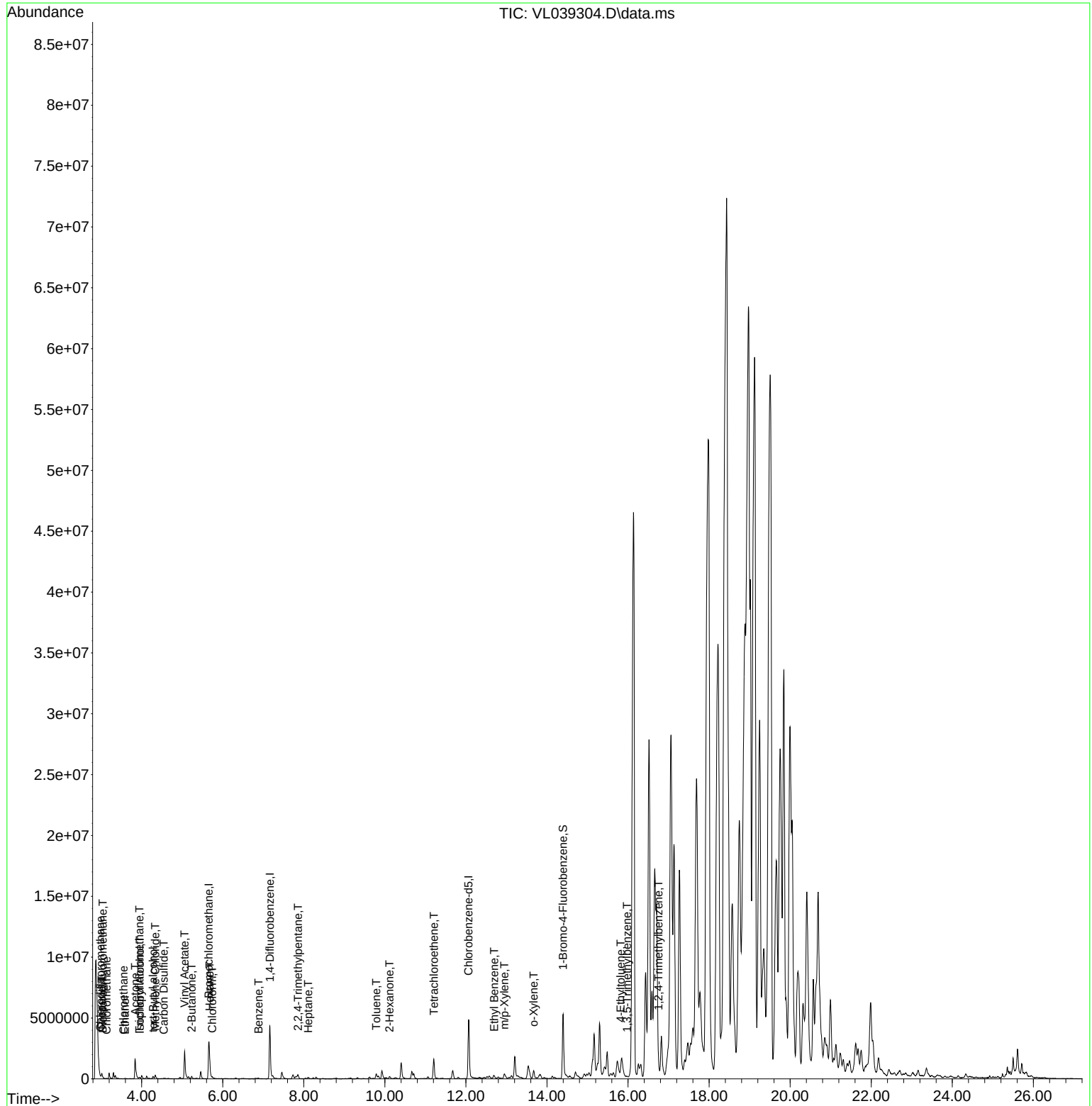
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
Data File : VL039304.D
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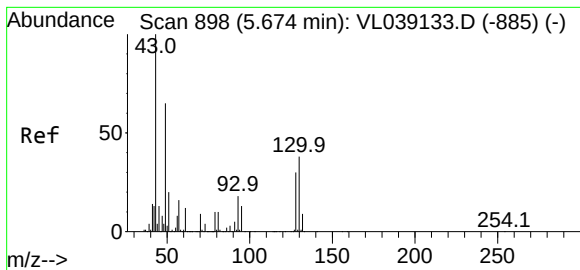
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jun 16 04:37:26 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

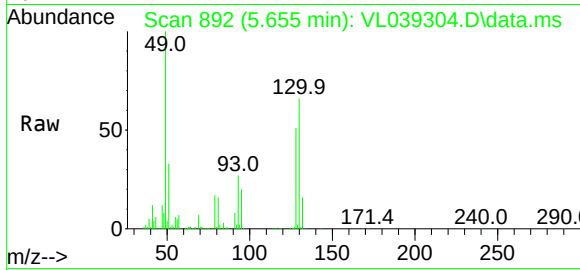
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 89
Delta R.T. -0.019 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

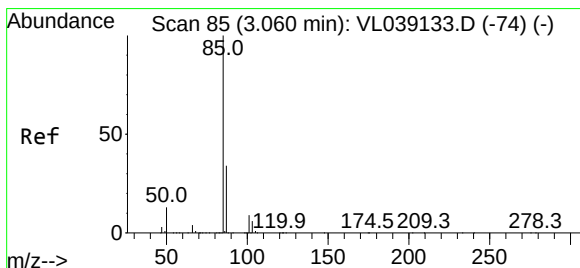
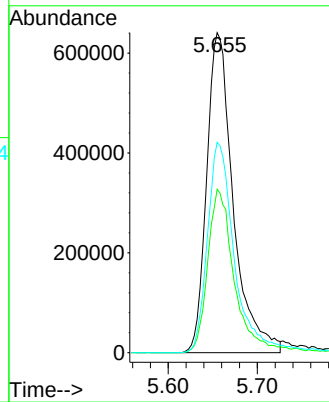
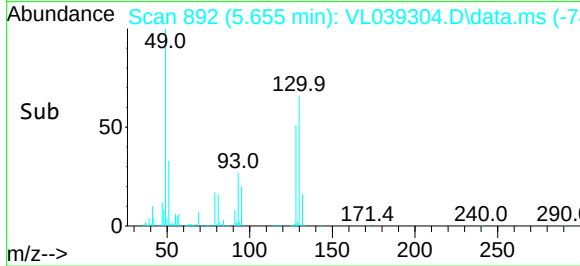
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 132674
Ion Ratio Lower Upper
49 100
128 52.6 24.7 74.1
130 68.8 31.4 94.0

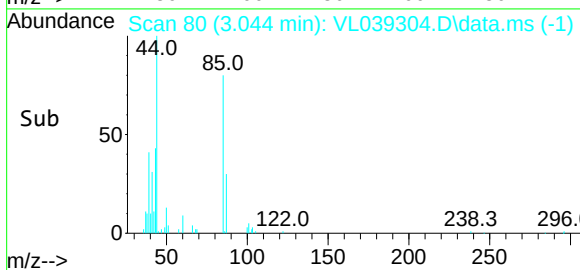
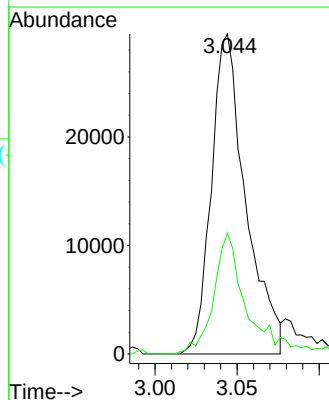
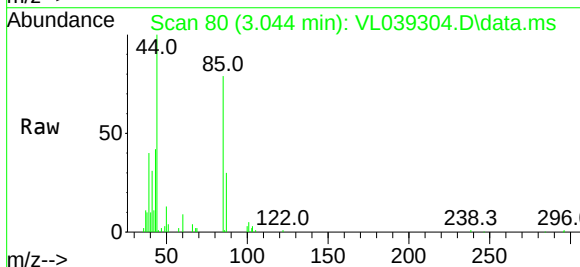
Manual Integrations
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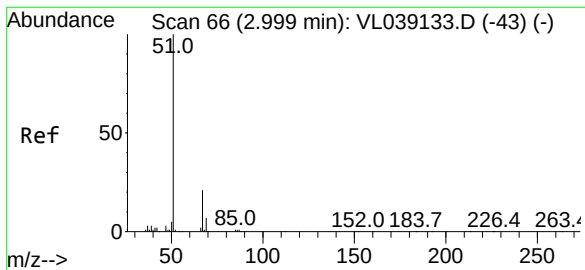
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#2
Dichlorodifluoromethane
Concen: 0.184 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

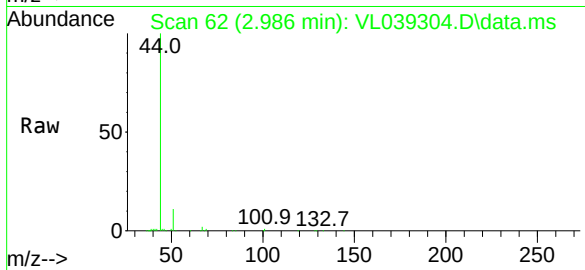
Tgt Ion: 85 Resp: 42952
Ion Ratio Lower Upper
85 100
87 37.0 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.221 ppbv
RT: 2.986 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

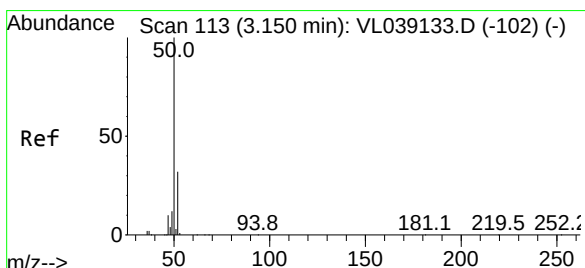
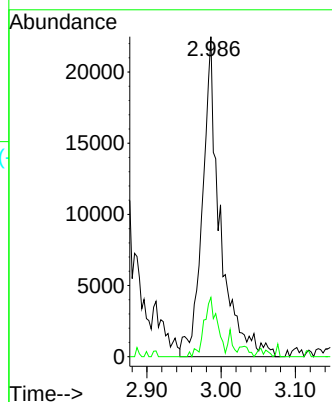
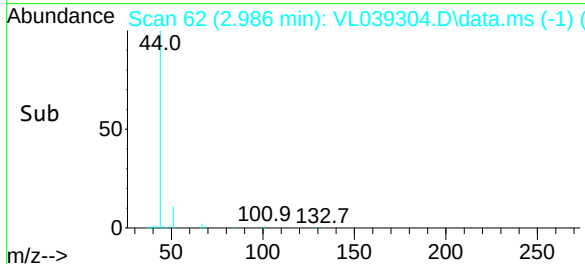
Instrument :
MSVOA_L
ClientSampleId :
SV1



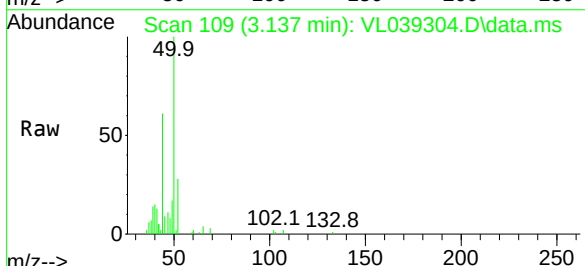
Tgt Ion: 51 Resp: 3734
Ion Ratio Lower Upper
51 100
67 19.6 16.2 24.4

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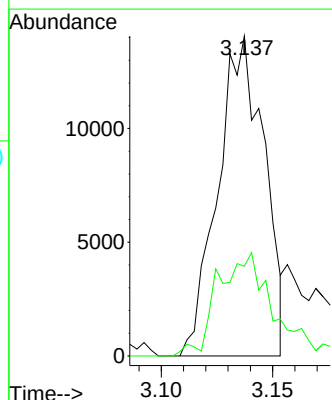
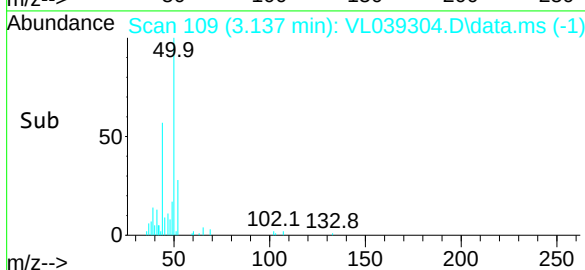
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

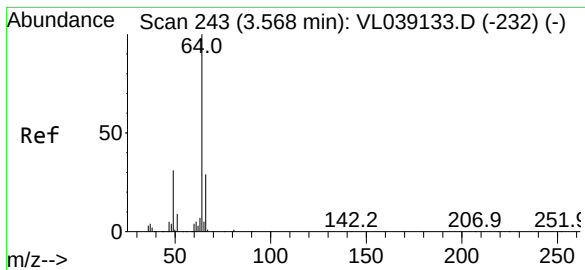


#4
Chloromethane
Concen: 0.235 ppbv
RT: 3.137 min Scan# 109
Delta R.T. -0.013 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36



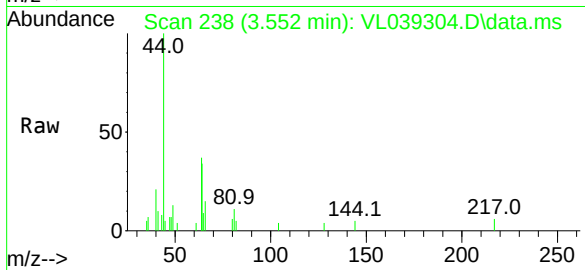
Tgt Ion: 50 Resp: 20389
Ion Ratio Lower Upper
50 100
52 26.7 25.9 38.9





#7
Chloroethane
Concen: 0.129 ppbv m
RT: 3.552 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

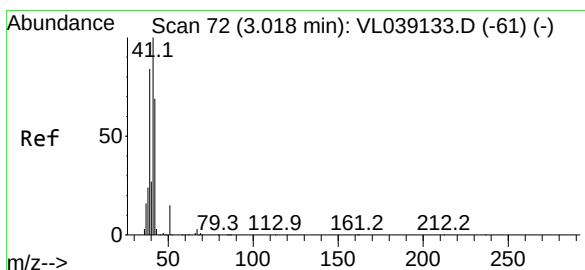
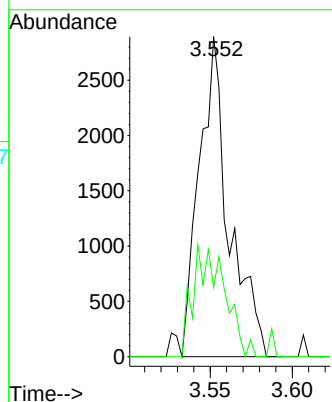
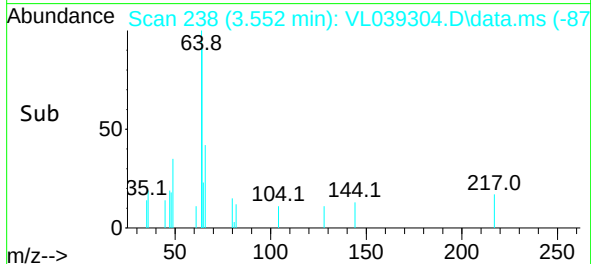
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 64 Resp: 3634
Ion Ratio Lower Upper
64 100
66 41.5 23.6 35.4

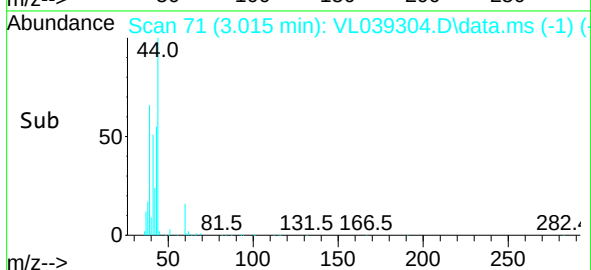
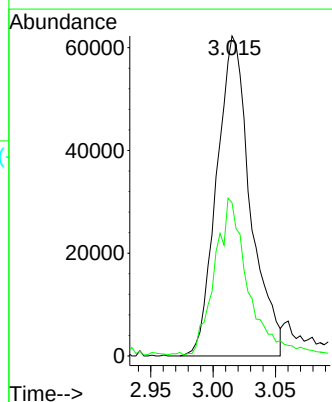
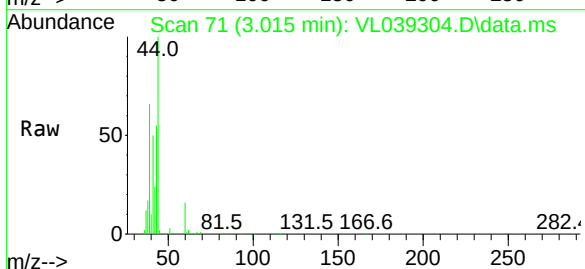
Manual Integrations
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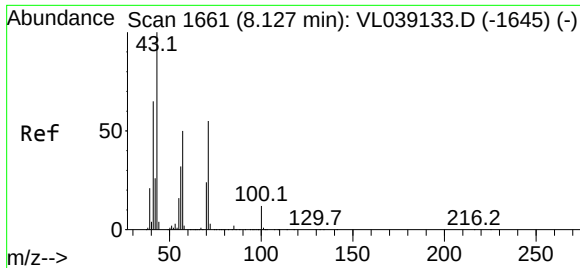
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#9
Propene
Concen: 1.594 ppbv
RT: 3.015 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

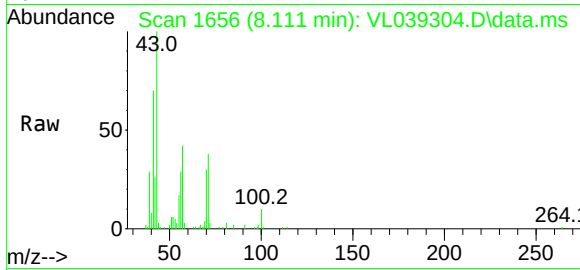
Tgt Ion: 41 Resp: 117358
Ion Ratio Lower Upper
41 100
42 50.5 55.4 83.2





#10
Heptane
Concen: 0.312 ppbv m
RT: 8.111 min Scan# 1
Delta R.T. -0.016 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

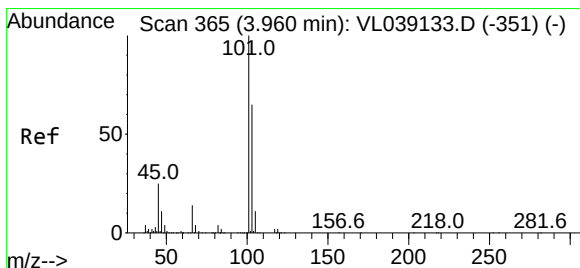
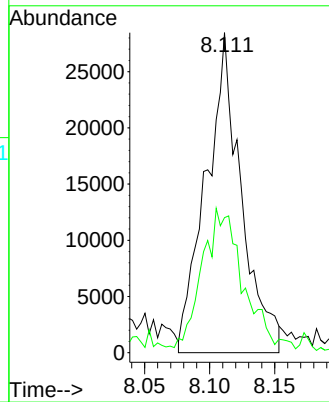
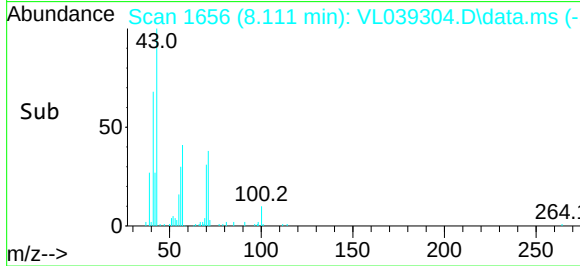
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 53610
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2

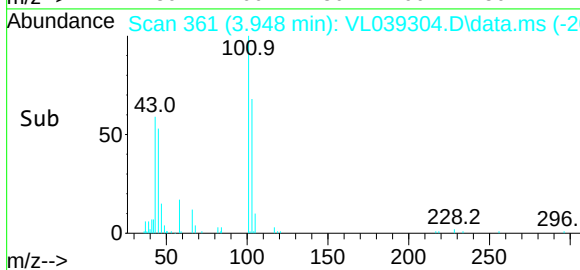
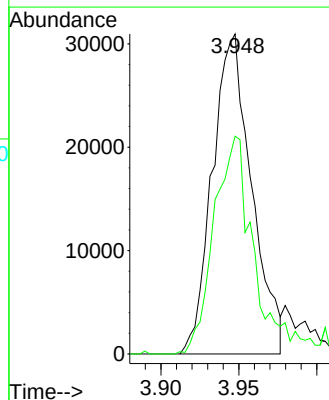
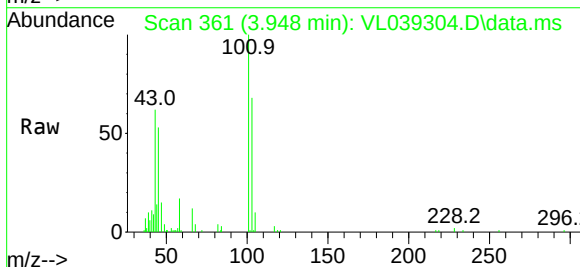
Manual Integrations
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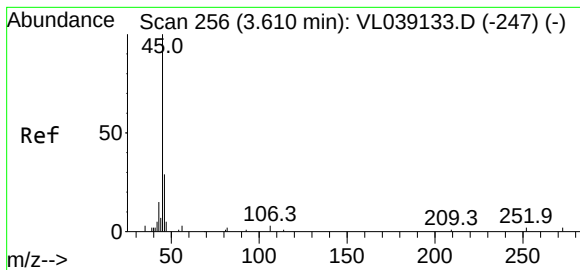
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#11
Trichlorofluoromethane
Concen: 0.257 ppbv
RT: 3.948 min Scan# 361
Delta R.T. -0.013 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

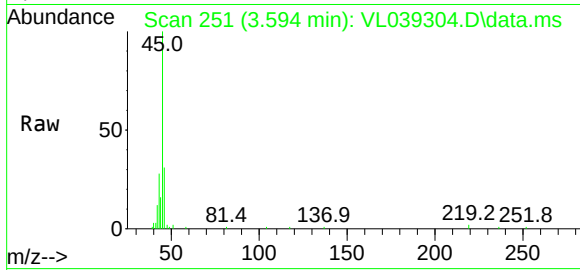
Tgt Ion:101 Resp: 54241
Ion Ratio Lower Upper
101 100
103 67.3 51.7 77.5





#13
Ethanol
Concen: 11.278 ppbv m
RT: 3.594 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

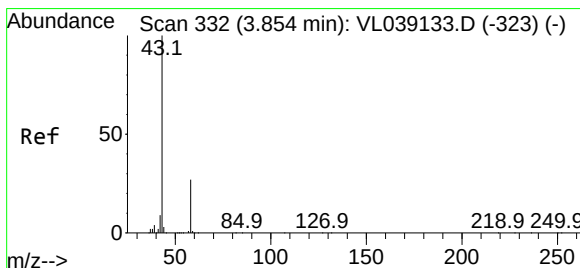
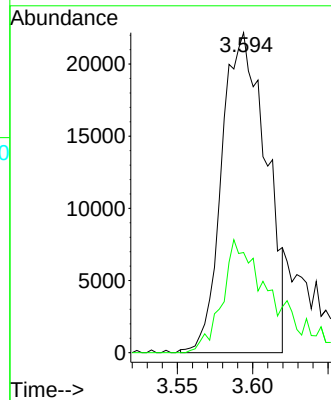
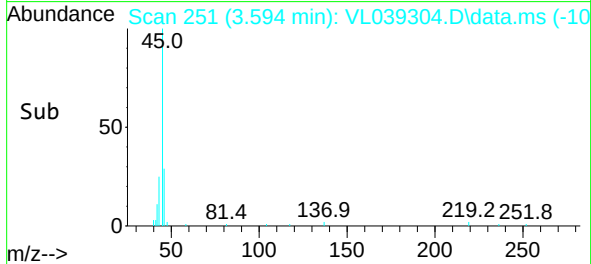
Instrument :
MSVOA_L
ClientSampleId :
SV1



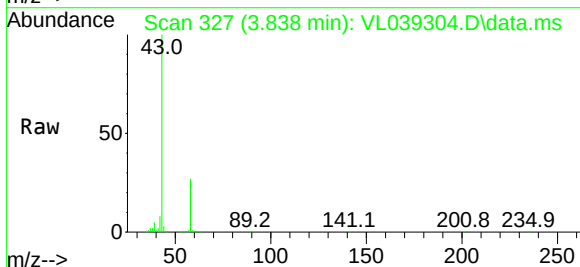
Tgt Ion: 45 Resp: 45274
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0

Manual Integrations
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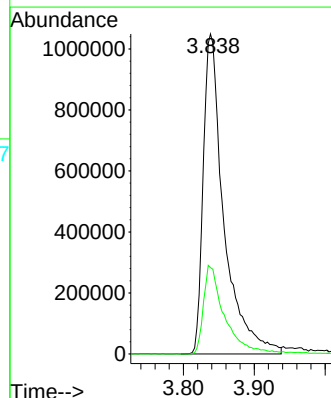
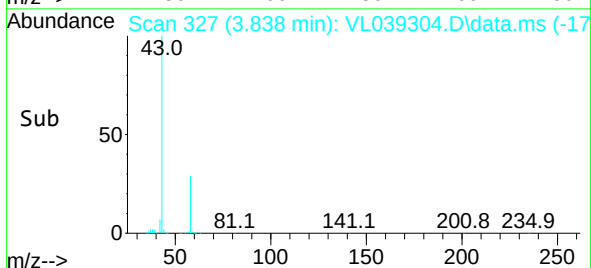
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

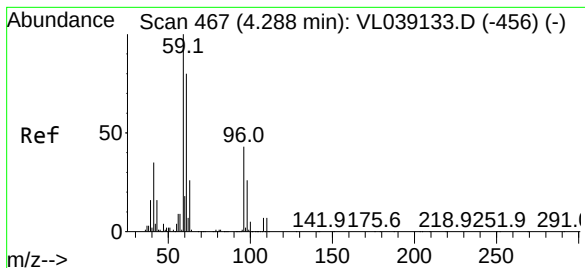


#15
Acetone
Concen: 15.378 ppbv
RT: 3.838 min Scan# 327
Delta R.T. -0.016 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36



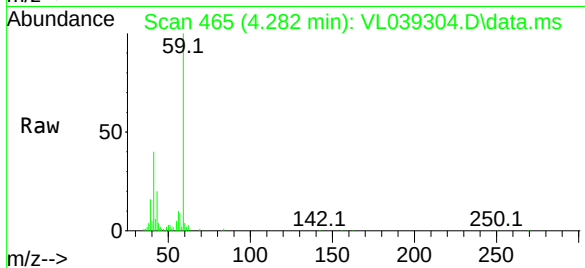
Tgt Ion: 43 Resp: 2125263
Ion Ratio Lower Upper
43 100
58 28.9 22.5 33.7





#17
tert-Butyl alcohol
Concen: 1.445 ppbv
RT: 4.282 min Scan# 40
Delta R.T. -0.006 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

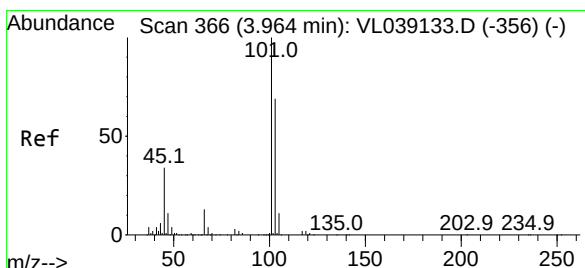
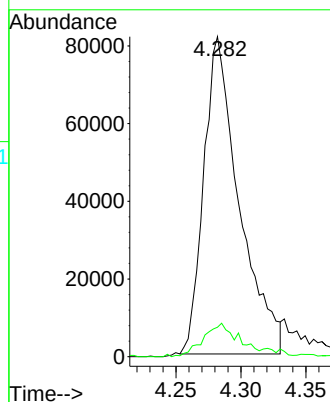
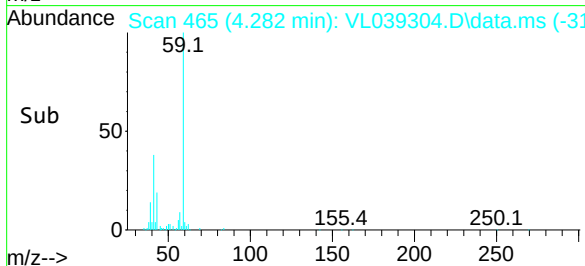
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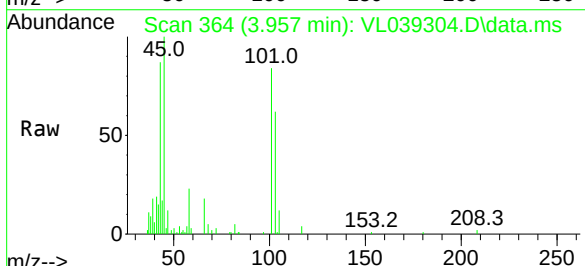
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Ion Ratio Lower Upper
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57 12.5 9.1 13.7

Manual Integrations
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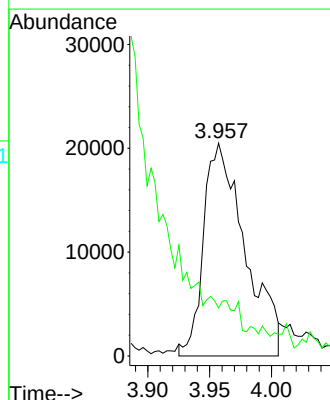
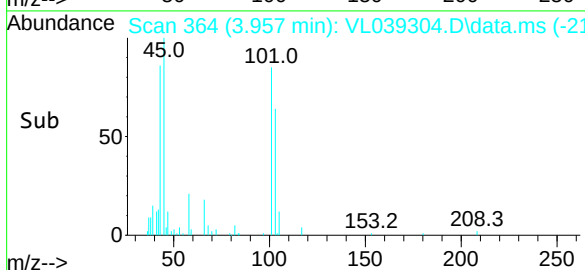
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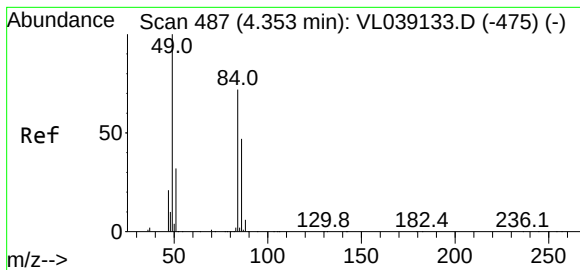


#19
Isopropyl Alcohol
Concen: 0.737 ppbv m
RT: 3.957 min Scan# 364
Delta R.T. -0.006 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36



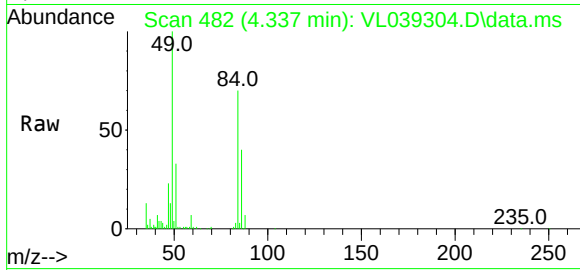
Tgt Ion: 45 Resp: 47756
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#





#20
Methylene Chloride
Concen: 1.883 ppbv
RT: 4.337 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

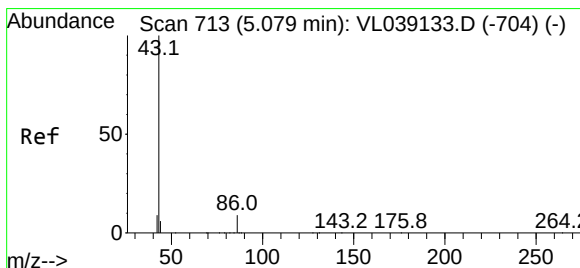
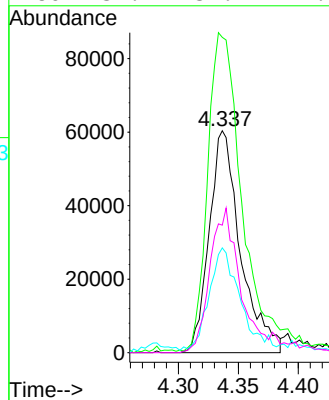
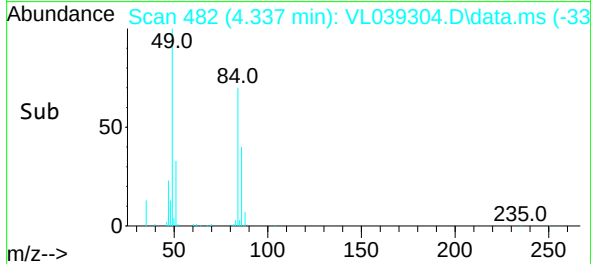
Instrument :
MSVOA_L
ClientSampleId :
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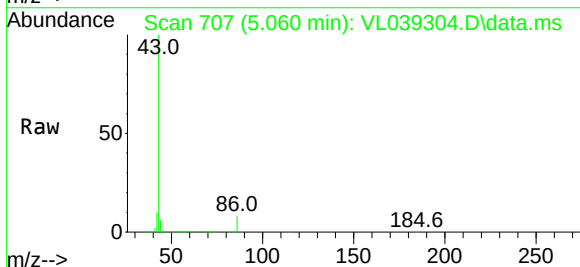
Tgt Ion: 84 Resp: 10965
Ion Ratio Lower Upper
84 100
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51 46.1 35.3 52.9
86 57.4 51.9 77.9

Manual Integrations
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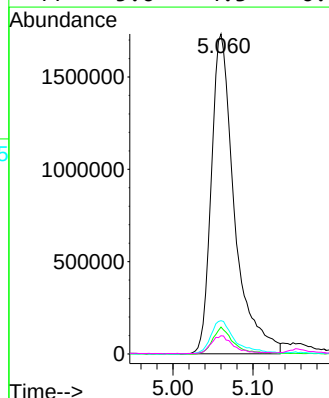
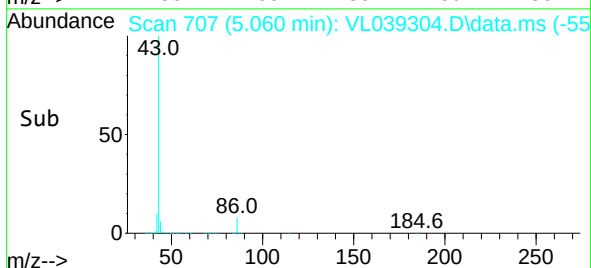
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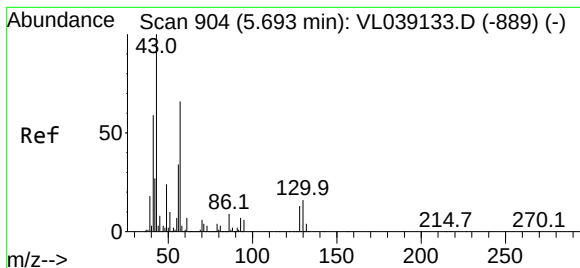


#23
Vinyl Acetate
Concen: 30.395 ppbv
RT: 5.060 min Scan# 707
Delta R.T. -0.019 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36



Tgt Ion: 43 Resp: 3475593
Ion Ratio Lower Upper
43 100
86 8.4 6.0 9.0
42 10.4 8.2 12.4
44 5.6 4.3 6.5





#26

Hexane

Concen: 3.419 ppbv

RT: 5.677 min Scan# 899

Delta R.T. -0.016 min

Lab File: VL039304.D

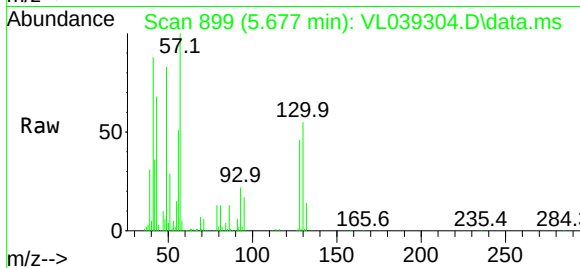
Acq: 15 Jun 2022 20:36

Instrument :

MSVOA_L

ClientSampleId :

SV1



Tgt Ion: 57 Resp: 467968

Ion Ratio Lower Upper

57 100

41 112.7 72.4 108.6

43 78.3 187.0 280.6

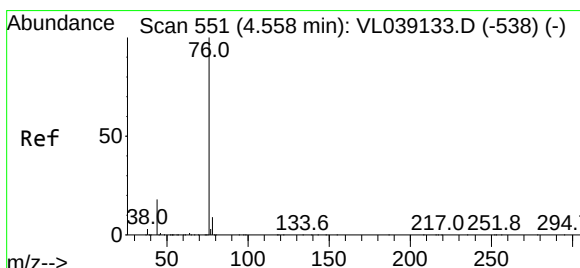
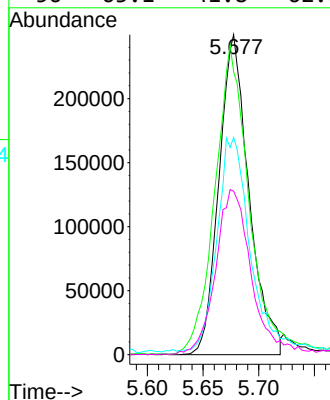
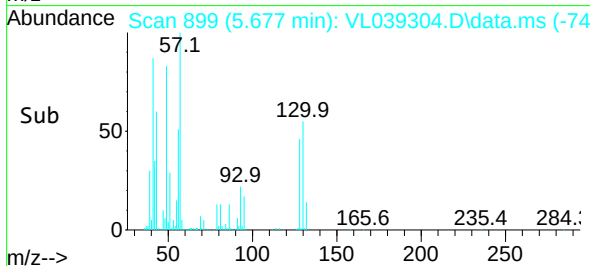
56 63.1 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/17/2022



#27

Carbon Disulfide

Concen: 0.195 ppbv

RT: 4.546 min Scan# 547

Delta R.T. -0.013 min

Lab File: VL039304.D

Acq: 15 Jun 2022 20:36

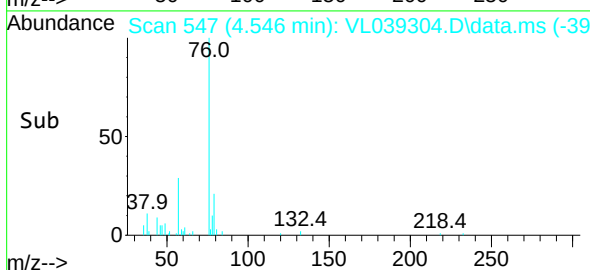
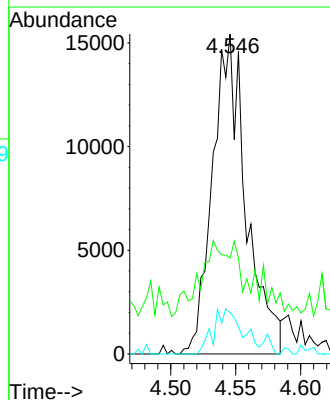
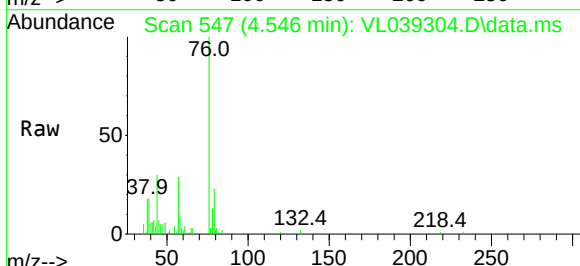
Tgt Ion: 76 Resp: 27639

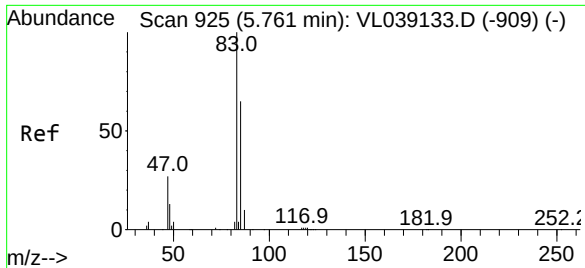
Ion Ratio Lower Upper

76 100

44 47.4 14.4 21.6

78 13.7 7.7 11.5





#29

Chloroform

Concen: 0.158 ppbv

RT: 5.742 min Scan# 919

Delta R.T. -0.019 min

Lab File: VL039304.D

Acq: 15 Jun 2022 20:36

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 36500

Ion Ratio Lower Upper

83 100

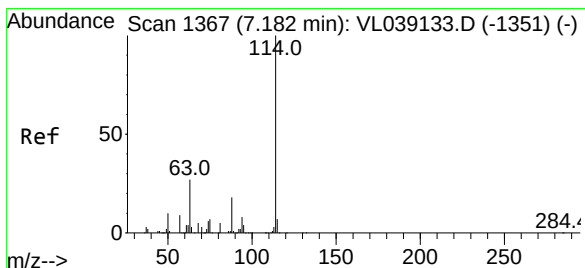
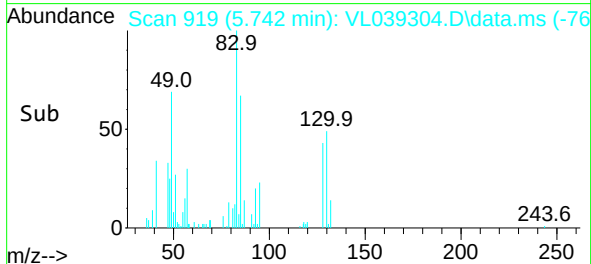
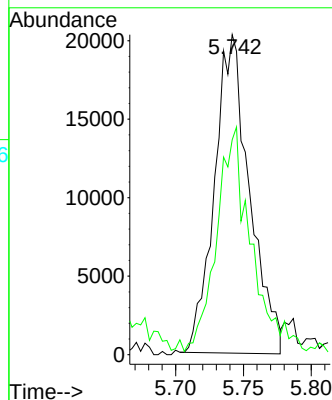
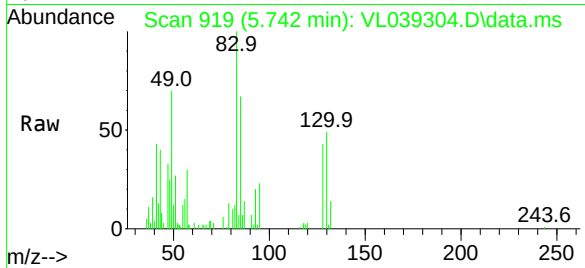
85 63.0 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/17/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.163 min Scan# 1361

Delta R.T. -0.019 min

Lab File: VL039304.D

Acq: 15 Jun 2022 20:36

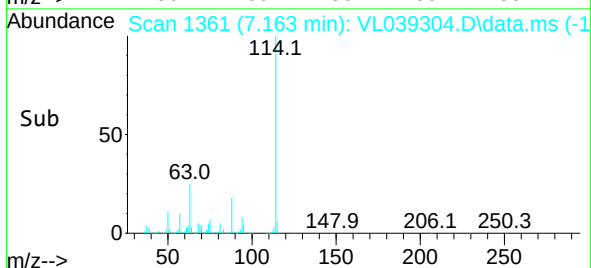
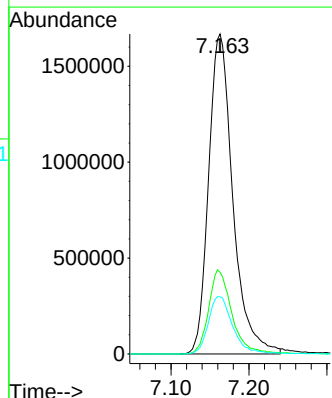
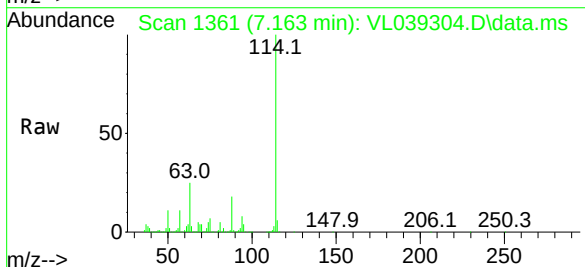
Tgt Ion:114 Resp: 3605648

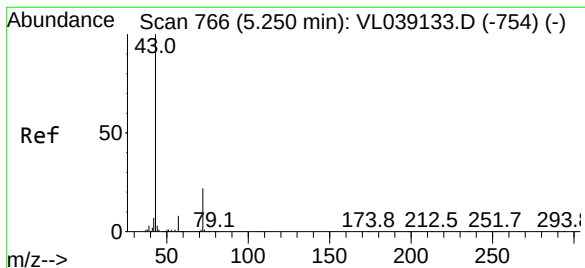
Ion Ratio Lower Upper

114 100

63 25.6 21.7 32.5

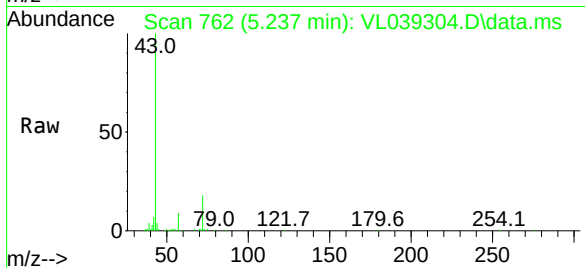
88 18.2 14.8 22.2





#34
2-Butanone
Concen: 1.056 ppbv
RT: 5.237 min Scan# 70
Delta R.T. -0.013 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

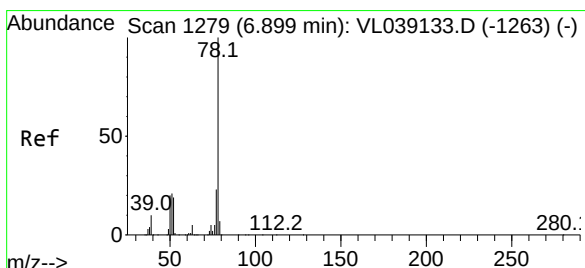
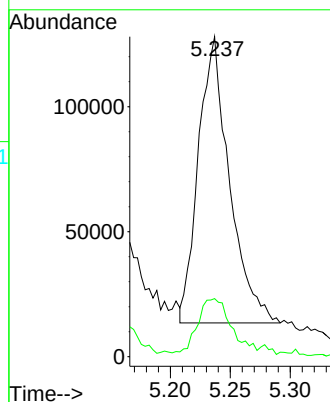
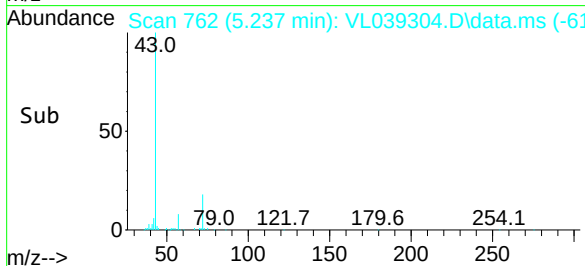
Instrument :
MSVOA_L
ClientSampleId :
SV1



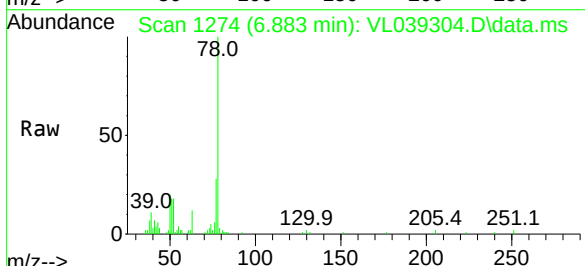
Tgt Ion: 43 Resp: 206884
Ion Ratio Lower Upper
43 100
72 25.9 18.2 27.2

Manual Integrations
APPROVED

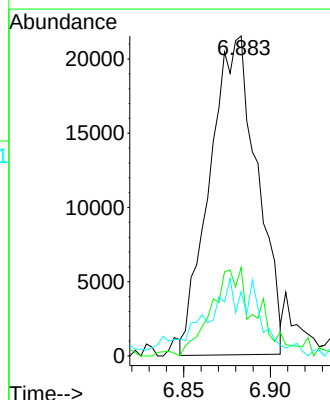
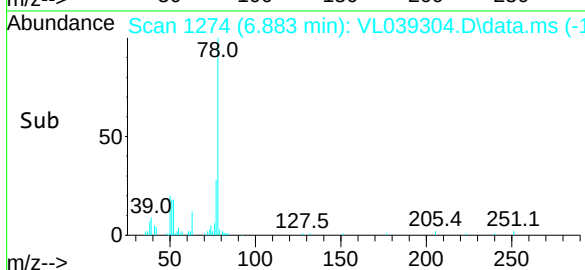
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

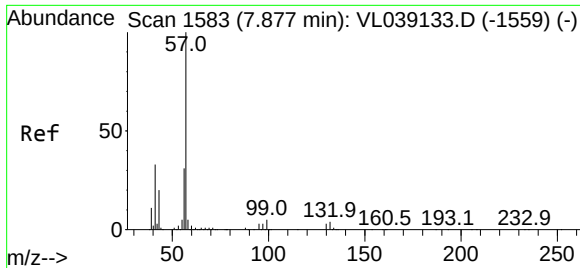


#36
Benzene
Concen: 0.140 ppbv
RT: 6.883 min Scan# 1274
Delta R.T. -0.016 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36



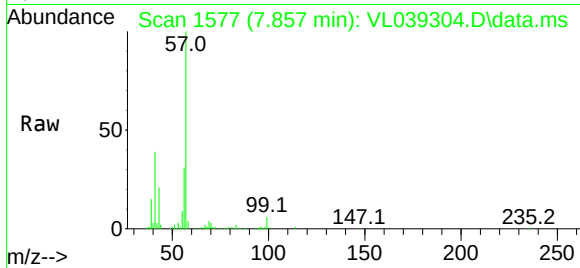
Tgt Ion: 78 Resp: 40964
Ion Ratio Lower Upper
78 100
77 29.1 18.6 27.8#
50 17.6 15.8 23.8





#44
2,2,4-Trimethylpentane
Concen: 0.557 ppbv
RT: 7.857 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

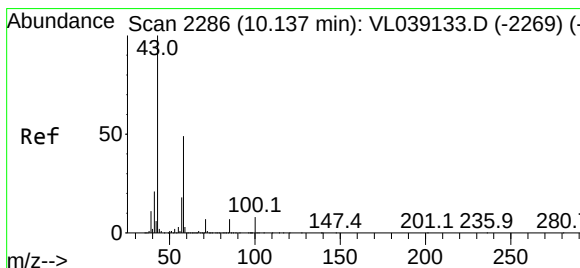
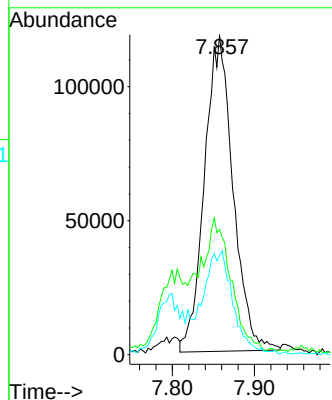
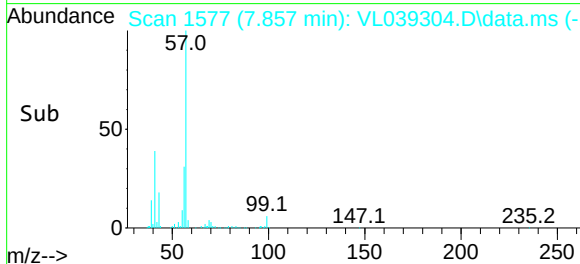
Instrument :
MSVOA_L
ClientSampleId :
SV1



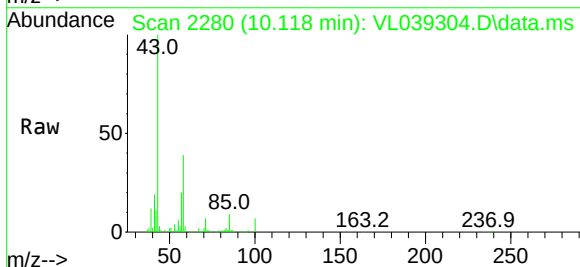
Tgt Ion: 57 Resp: 285409
Ion Ratio Lower Upper
57 100
41 47.2 26.2 39.4
56 33.3 24.7 37.1

Manual Integrations
APPROVED

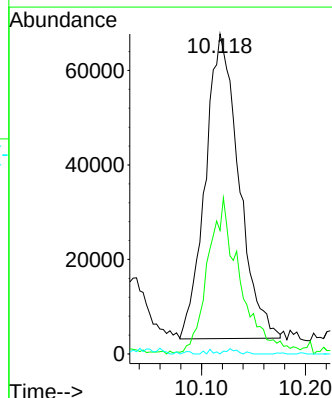
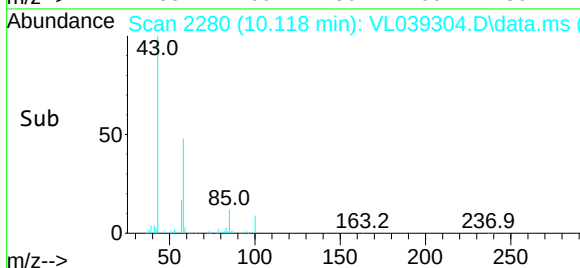
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

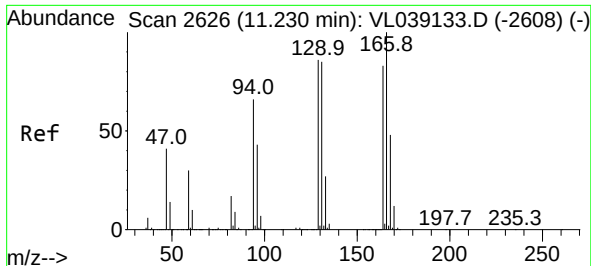


#51
2-Hexanone
Concen: 0.634 ppbv
RT: 10.118 min Scan# 2280
Delta R.T. -0.019 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36



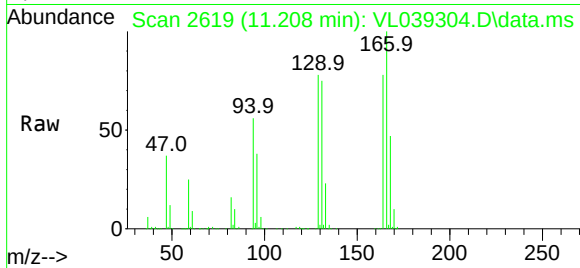
Tgt Ion: 43 Resp: 144576
Ion Ratio Lower Upper
43 100
58 50.2 40.0 60.0
98 0.9 0.1 0.1





#52
Tetrachloroethene
Concen: 3.699 ppbv
RT: 11.208 min Scan# 2177
Delta R.T. -0.022 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

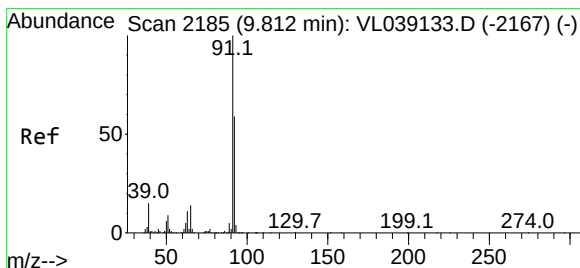
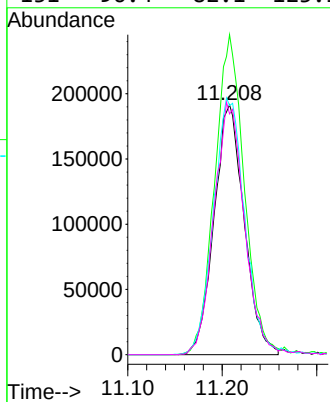
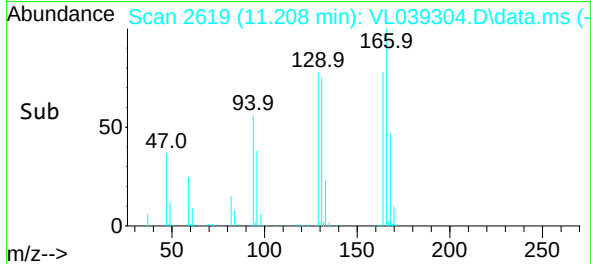
Instrument :
MSVOA_L
ClientSampleId :
SV1



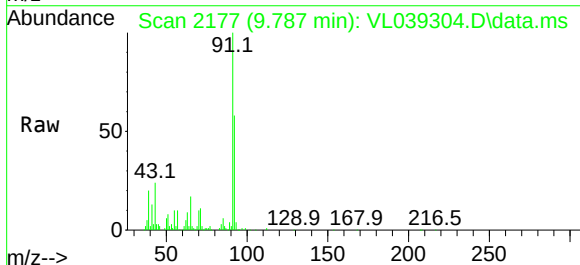
Tgt Ion:164 Resp: 42276
Ion Ratio Lower Upper
164 100
166 127.9 96.3 144.5
129 99.6 82.5 123.7
131 96.4 82.1 123.1

Manual Integrations
APPROVED

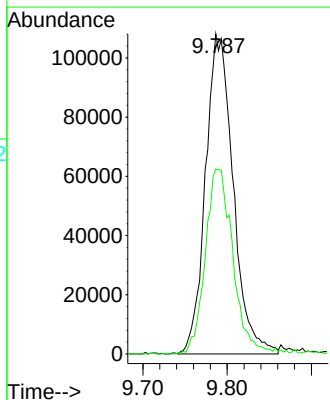
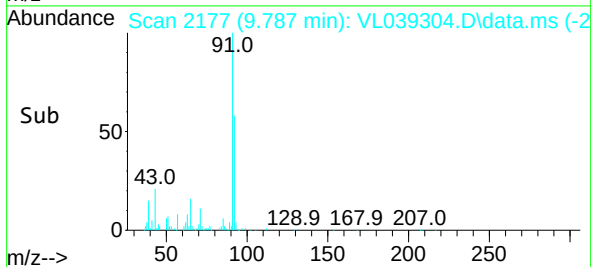
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

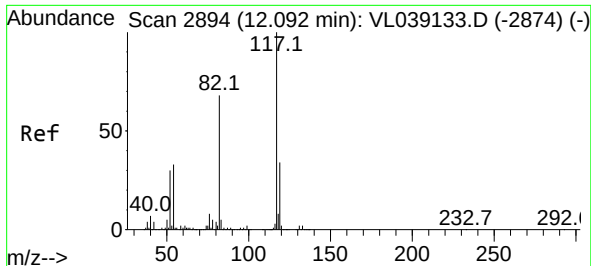


#53
Toluene
Concen: 0.731 ppbv
RT: 9.787 min Scan# 2177
Delta R.T. -0.026 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36



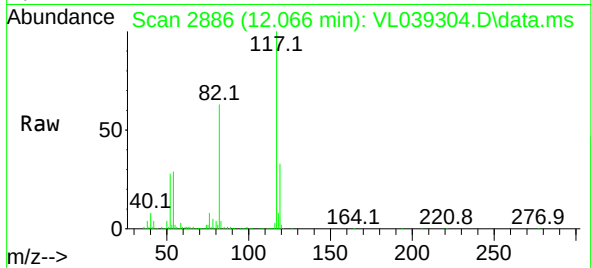
Tgt Ion: 91 Resp: 246418
Ion Ratio Lower Upper
91 100
92 58.1 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.026 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

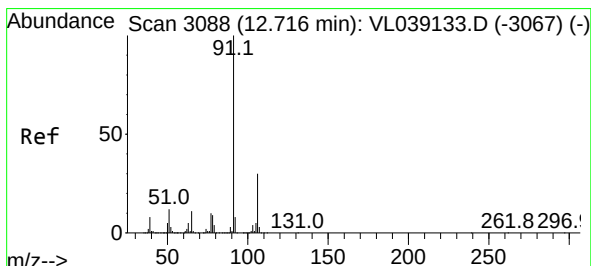
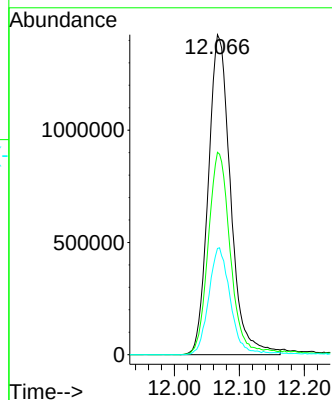
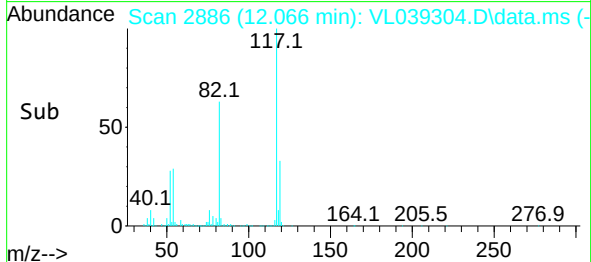
Instrument :
MSVOA_L
ClientSampleId :
SV1



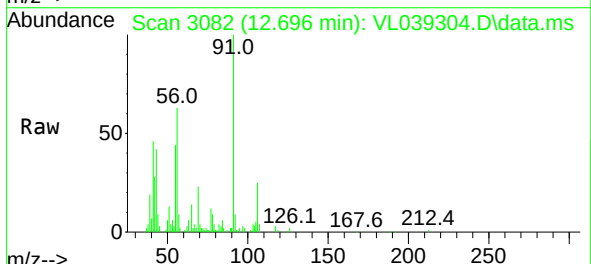
Tgt Ion: 117 Resp: 3391759
Ion Ratio Lower Upper
117 100
82 64.8 55.1 82.7
119 33.4 24.7 37.1

Manual Integrations
APPROVED

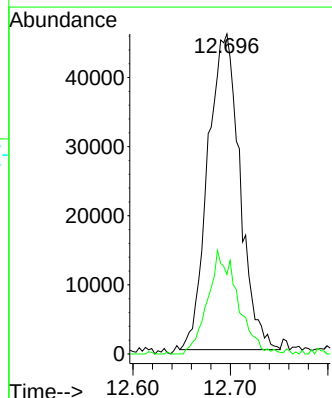
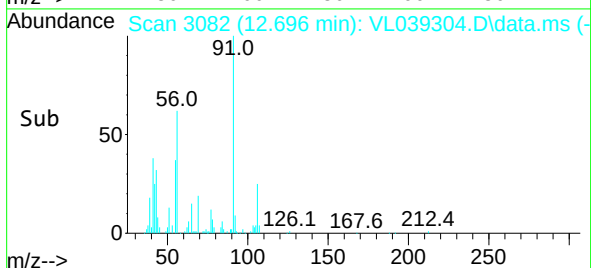
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

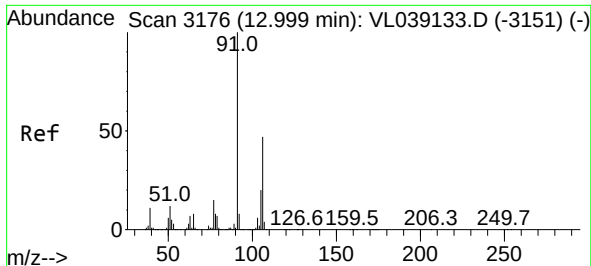


#58
Ethyl Benzene
Concen: 0.224 ppbv
RT: 12.696 min Scan# 3082
Delta R.T. -0.019 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36



Tgt Ion: 91 Resp: 104532
Ion Ratio Lower Upper
91 100
106 25.2 24.2 36.4





#59

m/p-Xylene

Concen: 0.859 ppbv

RT: 12.950 min Scan# 3176

Delta R.T. -0.048 min

Lab File: VL039304.D

Acq: 15 Jun 2022 20:36

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 35347

Ion Ratio Lower Upper

91 100

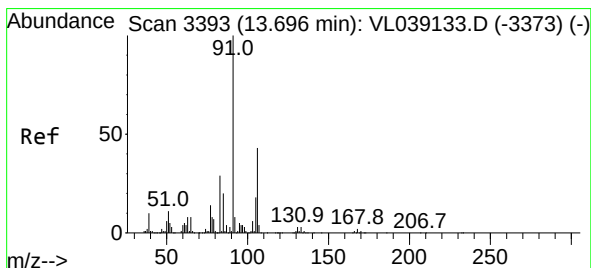
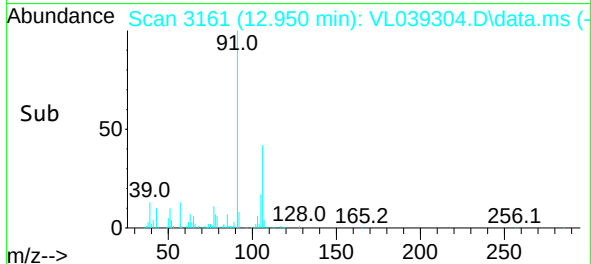
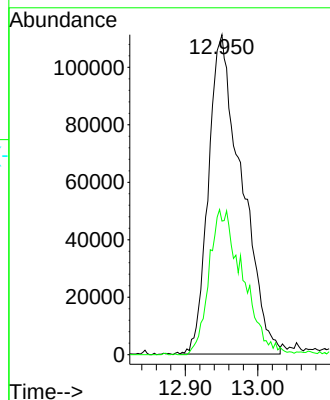
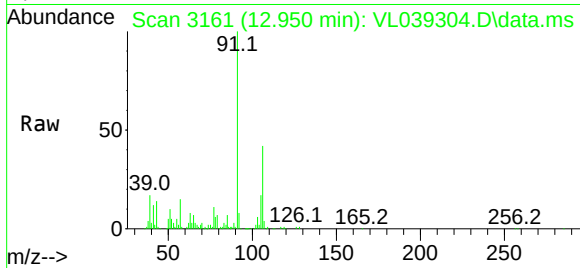
106 46.2 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/17/2022



#60

o-Xylene

Concen: 0.391 ppbv

RT: 13.671 min Scan# 3385

Delta R.T. -0.026 min

Lab File: VL039304.D

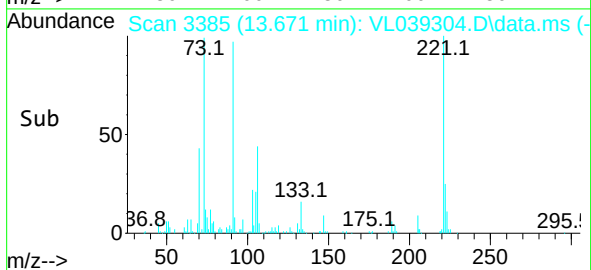
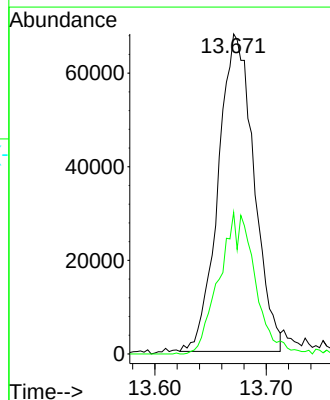
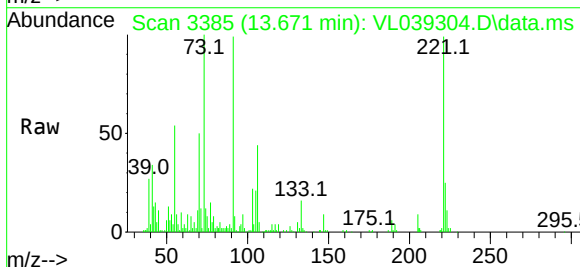
Acq: 15 Jun 2022 20:36

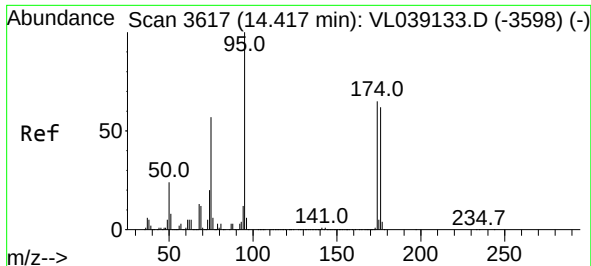
Tgt Ion: 91 Resp: 151177

Ion Ratio Lower Upper

91 100

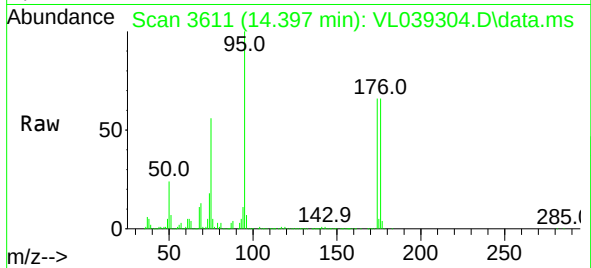
106 45.1 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.530 ppbv
RT: 14.397 min Scan# 3611
Delta R.T. -0.019 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

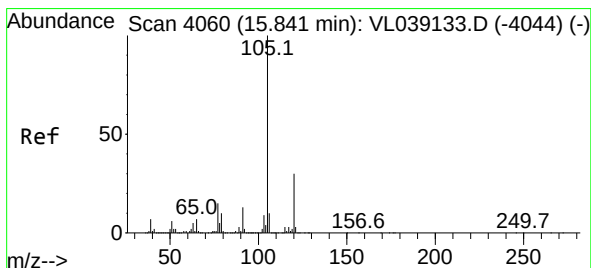
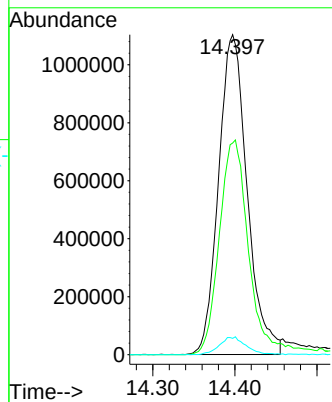
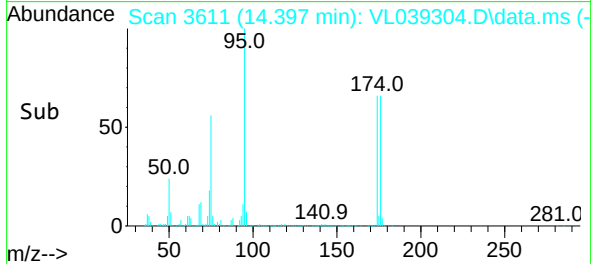
Instrument :
MSVOA_L
ClientSampleId :
SV1



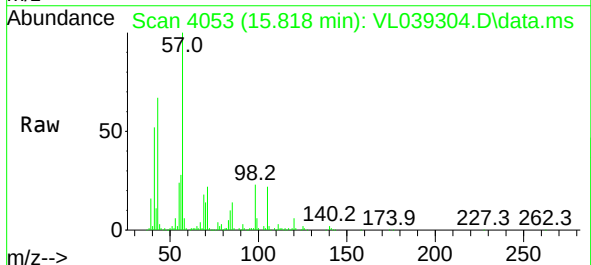
Tgt Ion: 95 Resp: 2672324
Ion Ratio Lower Upper
95 100
174 71.8 53.8 80.8
175 5.3 4.1 6.1

Manual Integrations
APPROVED

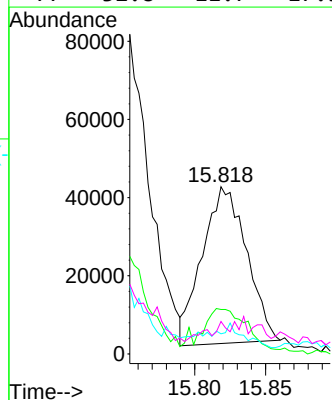
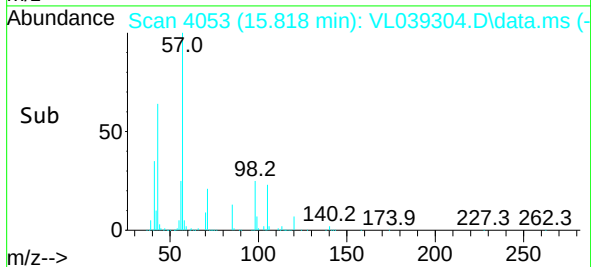
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

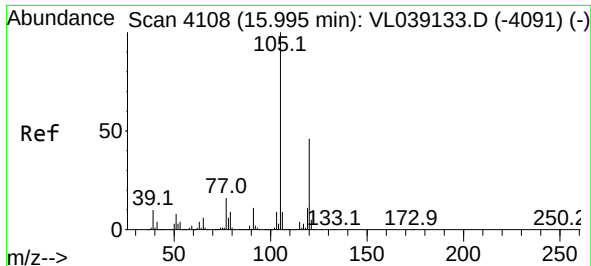


#72
4-Ethyltoluene
Concen: 0.192 ppbv
RT: 15.818 min Scan# 4053
Delta R.T. -0.022 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36



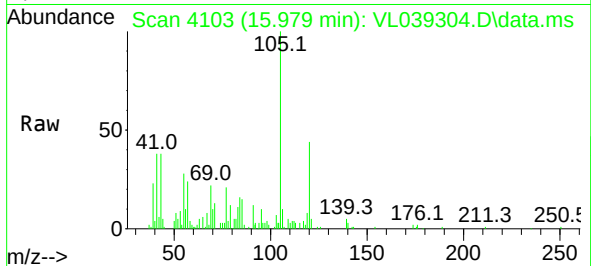
Tgt Ion:105 Resp: 87164
Ion Ratio Lower Upper
105 100
120 33.0 23.9 35.9
91 0.0 10.6 16.0#
77 32.8 11.7 17.5#





#73
 1,3,5-Trimethylbenzene
 Concen: 0.184 ppbv m
 RT: 15.979 min Scan# 4108
 Delta R.T. -0.016 min
 Lab File: VL039304.D
 Acq: 15 Jun 2022 20:36

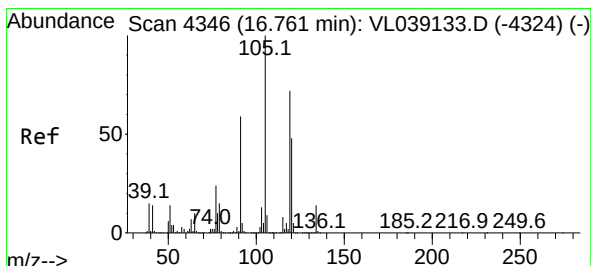
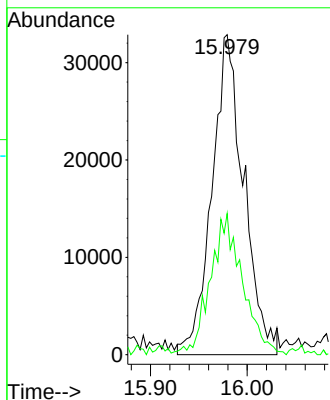
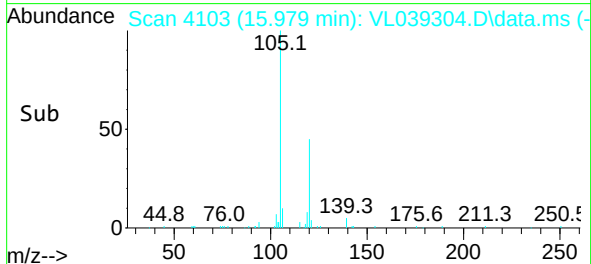
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



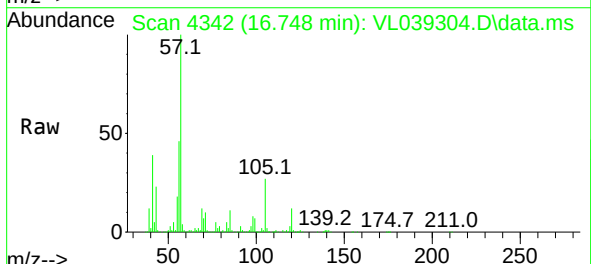
Tgt Ion:105 Resp: 7528
 Ion Ratio Lower Upper
 105 100
 120 44.1 36.7 55.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/17/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.681 ppbv
 RT: 16.748 min Scan# 4342
 Delta R.T. -0.013 min
 Lab File: VL039304.D
 Acq: 15 Jun 2022 20:36



Tgt Ion:105 Resp: 310421
 Ion Ratio Lower Upper
 105 100
 120 42.7 38.1 57.1
 91 10.3 47.4 71.0#
 77 13.0 19.5 29.3#

