

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
 Data File : VL039314.D
 Acq On : 16 Jun 2022 3:25
 Operator : SY/AP
 Sample : N3338-01 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 04:40:10 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 04:40:10 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	5.655	49	1226141	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.160	114	3424465	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.066	117	3146425	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	2561391	9.847	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.047	85	39072	0.181	ppbv	96
3) Chlorodifluoromethane	2.983	51	51931	0.333	ppbv #	83
4) Chloromethane	3.140	50	16357	0.204	ppbv	93
9) Propene	3.015	41	234529	3.448	ppbv	87
10) Heptane	8.105	43	49091	0.309	ppbv	86
11) Trichlorofluoromethane	3.944	101	24573m	0.126	ppbv	
13) Ethanol	3.587	45	2621337	706.580	ppbv #	100
15) Acetone	3.838	43	1250030	9.787	ppbv	96
17) tert-Butyl alcohol	4.285	59	83384m	0.842	ppbv	
19) Isopropyl Alcohol	3.954	45	890198	14.860	ppbv #	98
20) Methylene Chloride	4.336	84	72688m	1.350	ppbv	
26) Hexane	5.677	57	144104	1.139	ppbv #	38
29) Chloroform	5.738	83	205929	0.967	ppbv	96
34) 2-Butanone	5.234	43	182441	0.981	ppbv	99
36) Benzene	6.877	78	101454	0.365	ppbv	99
38) Trichloroethene	7.819	130	123614	0.968	ppbv	86
52) Tetrachloroethene	11.201	164	97318m	0.897	ppbv	
53) Toluene	9.790	91	288447	0.901	ppbv	99
58) Ethyl Benzene	12.693	91	108006	0.249	ppbv #	84
59) m/p-Xylene	12.944	91	354997m	0.930	ppbv	
60) o-Xylene	13.671	91	161933	0.452	ppbv	100
69) p-Isopropyltoluene	17.635	119	59258	0.106	ppbv	96
73) 1,3,5-Trimethylbenzene	15.979	105	82617m	0.218	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	345899m	0.818	ppbv	
79) Naphthalene	22.185	128	42793m	0.131	ppbv	

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

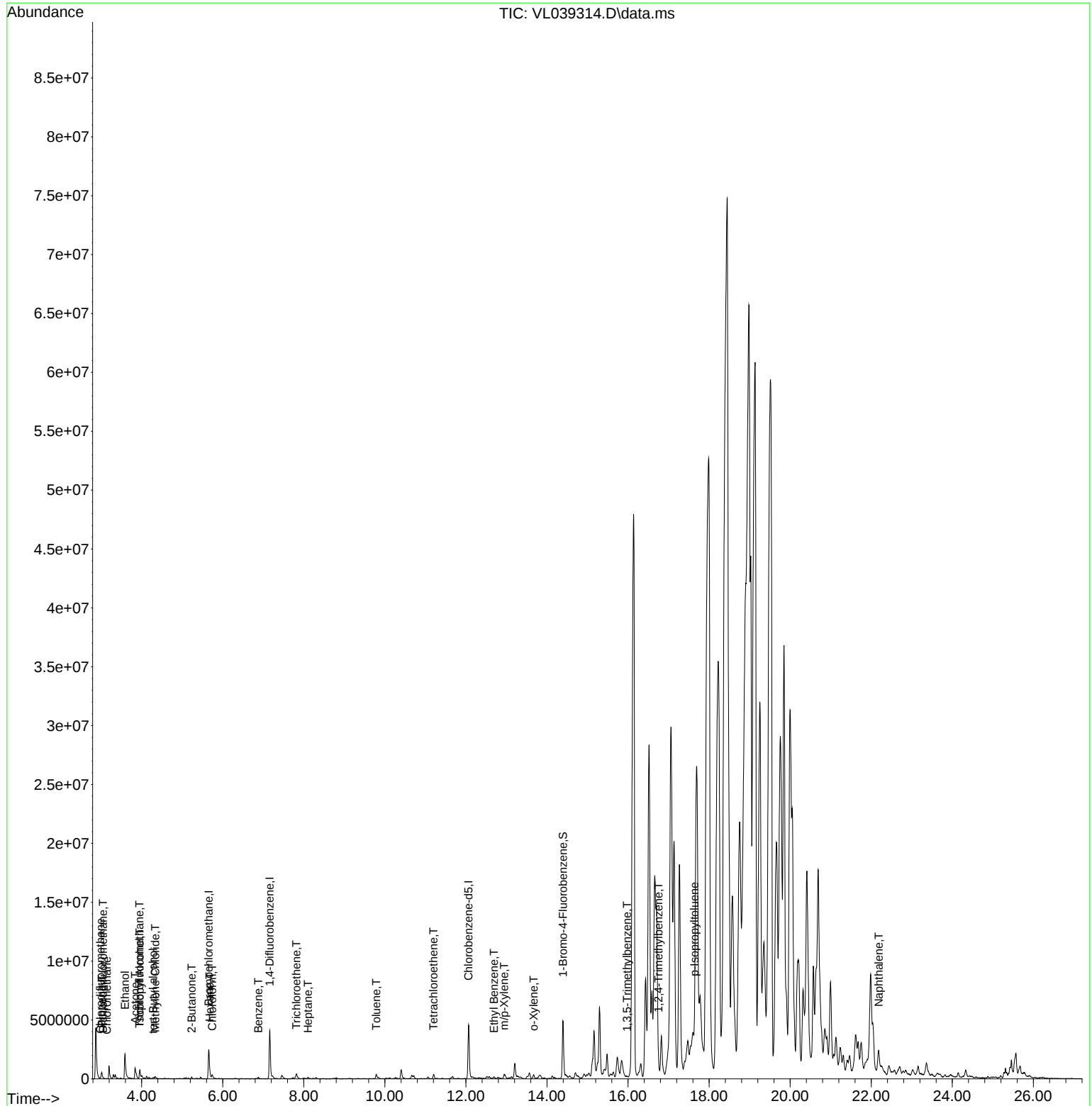
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
Data File : VL039314.D
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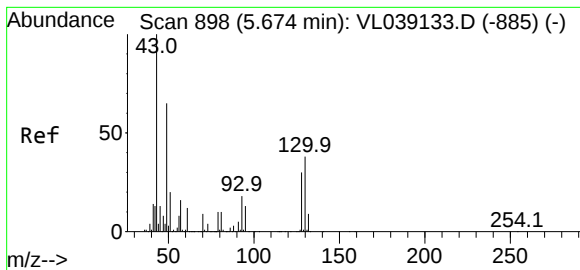
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jun 16 04:40:10 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
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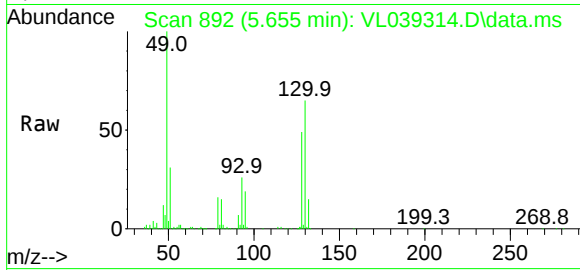
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 89
Delta R.T. -0.019 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

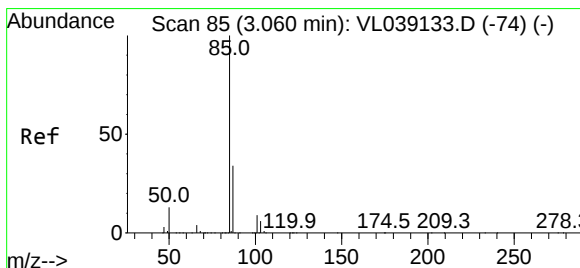
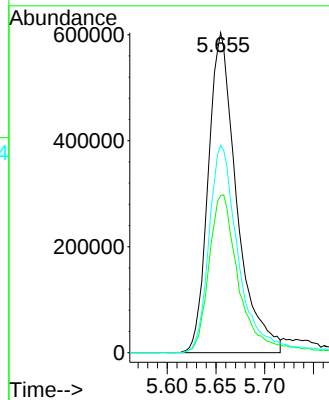
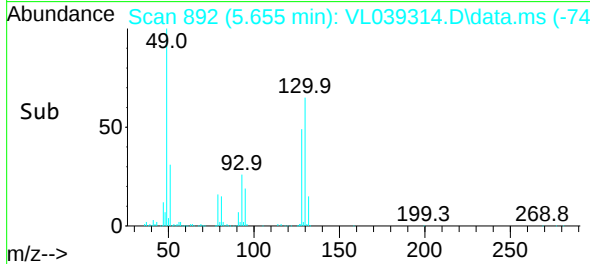
Instrument :
MSVOA_L
ClientSampleId :
SV1



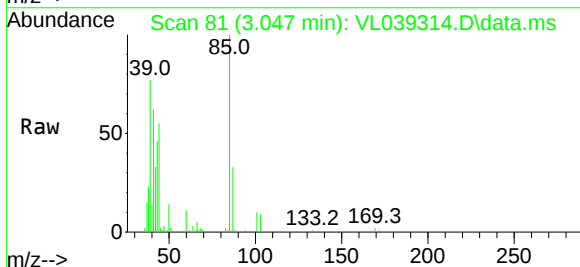
Tgt Ion: 49 Resp: 122614
Ion Ratio Lower Upper
49 100
128 53.1 24.7 74.1
130 69.2 31.4 94.0

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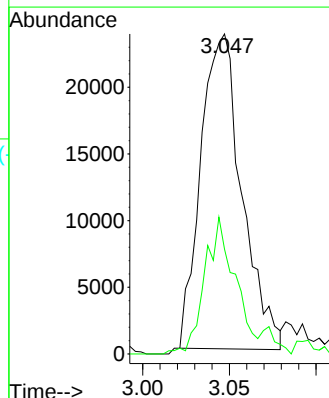
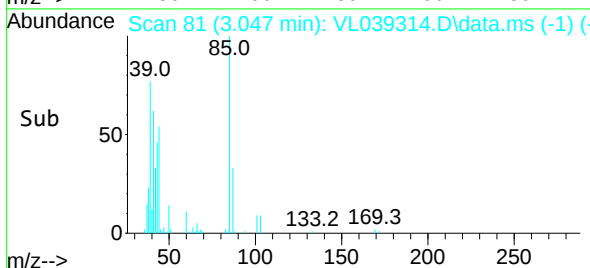
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

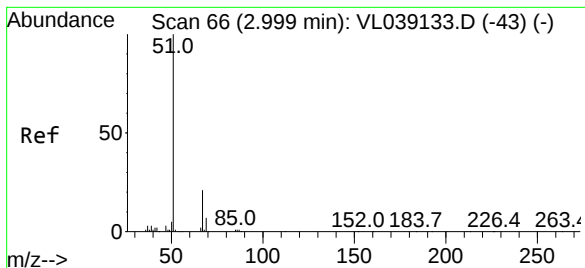


#2
Dichlorodifluoromethane
Concen: 0.181 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25



Tgt Ion: 85 Resp: 39072
Ion Ratio Lower Upper
85 100
87 31.5 26.9 40.3





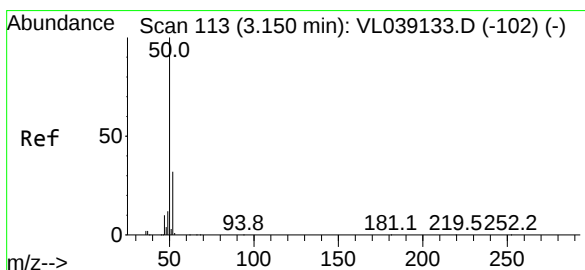
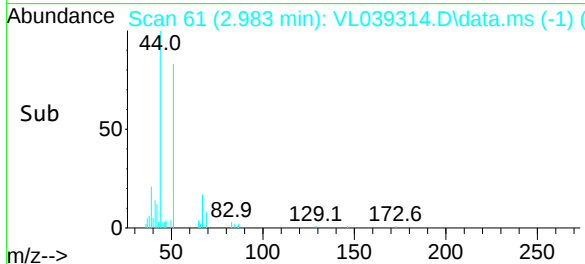
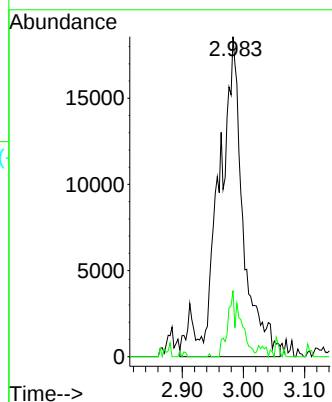
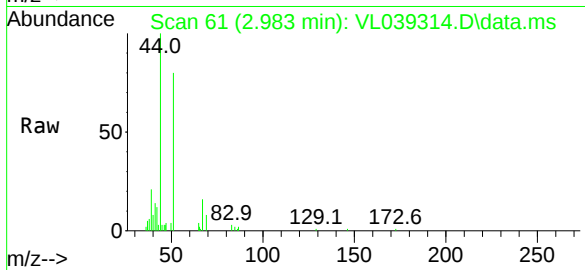
#3
Chlorodifluoromethane
Concen: 0.333 ppbv
RT: 2.983 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 5193
Ion Ratio Lower Upper
51 100
67 12.3 16.2 24.4

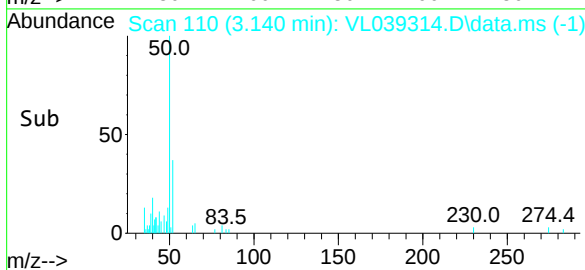
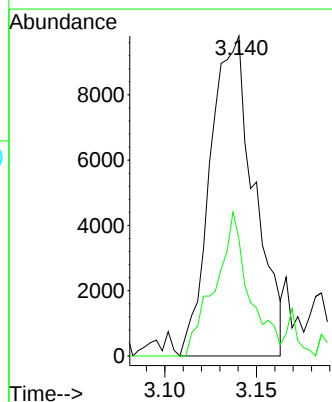
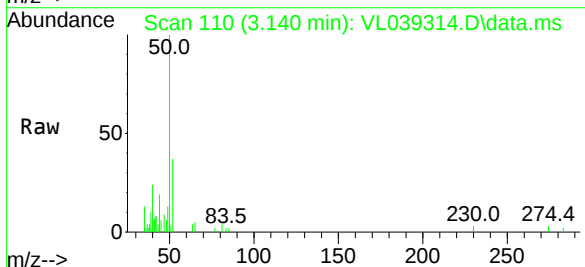
Manual Integrations
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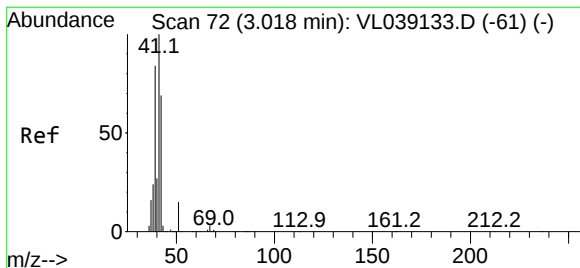
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#4
Chloromethane
Concen: 0.204 ppbv
RT: 3.140 min Scan# 110
Delta R.T. -0.010 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

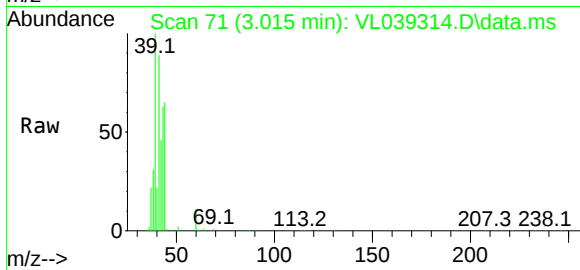
Tgt Ion: 50 Resp: 16357
Ion Ratio Lower Upper
50 100
52 36.6 25.9 38.9





#9
 Propene
 Concen: 3.448 ppbv
 RT: 3.015 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL039314.D
 Acq: 16 Jun 2022 3:25

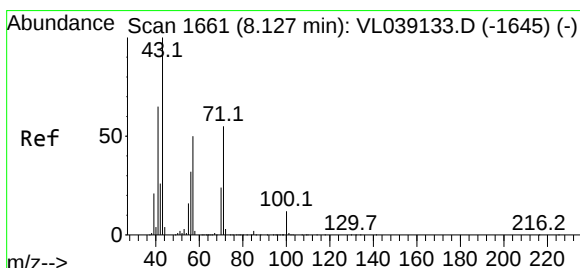
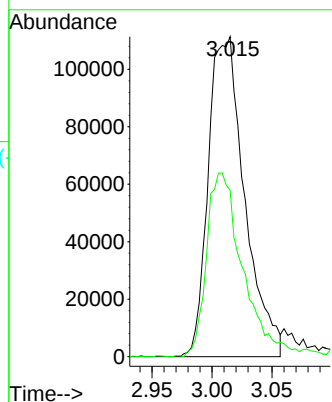
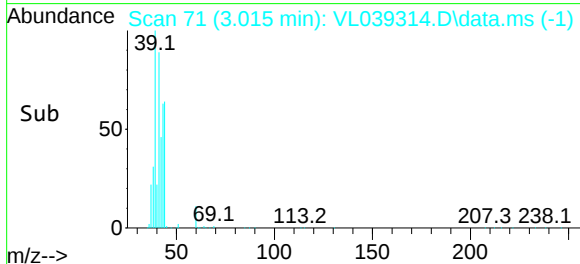
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 41 Resp: 234529
 Ion Ratio Lower Upper
 41 100
 42 58.7 55.4 83.2

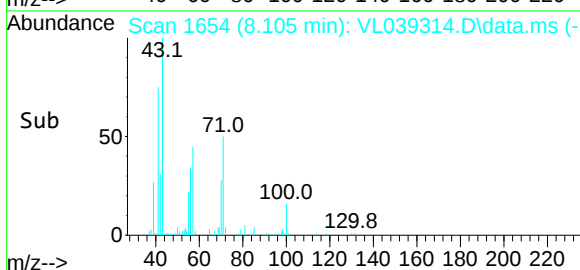
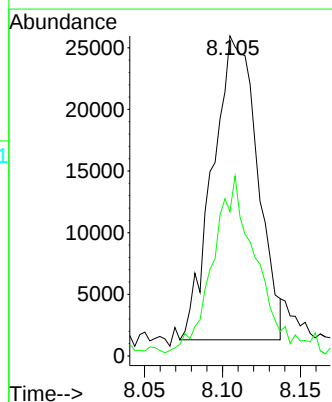
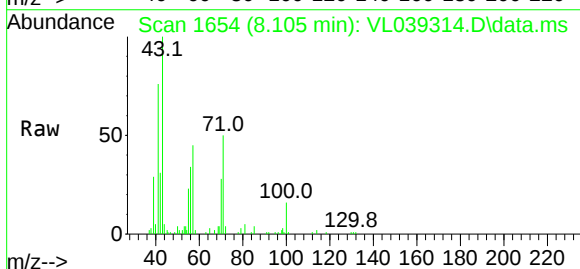
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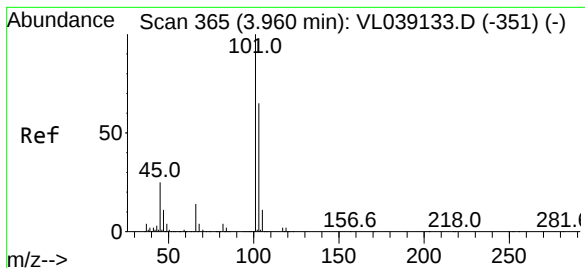
Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/17/2022



#10
 Heptane
 Concen: 0.309 ppbv
 RT: 8.105 min Scan# 1654
 Delta R.T. -0.023 min
 Lab File: VL039314.D
 Acq: 16 Jun 2022 3:25

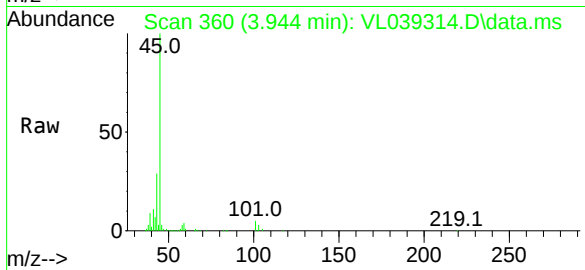
Tgt Ion: 43 Resp: 49091
 Ion Ratio Lower Upper
 43 100
 57 61.4 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.126 ppbv m
RT: 3.944 min Scan# 30
Delta R.T. -0.016 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

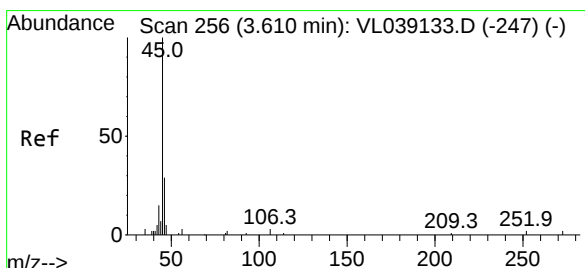
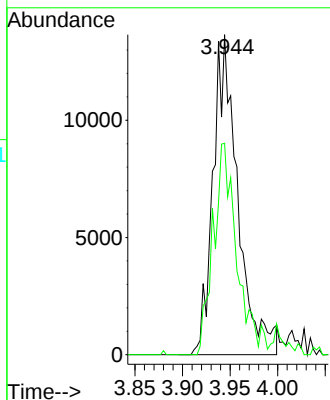
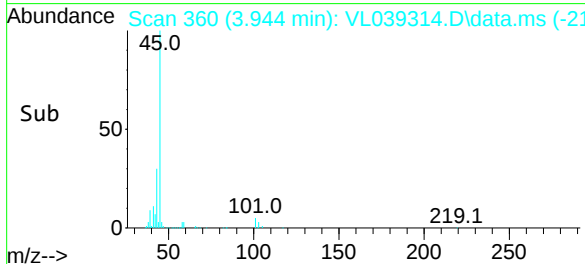
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:101 Resp: 2457
Ion Ratio Lower Upper
101 100
103 66.0 51.7 77.5

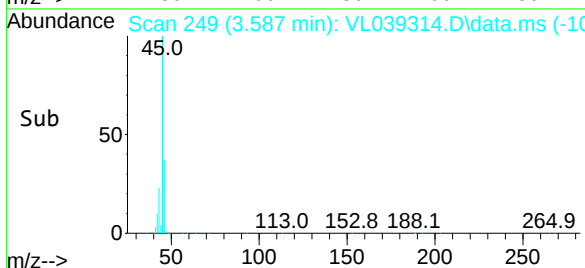
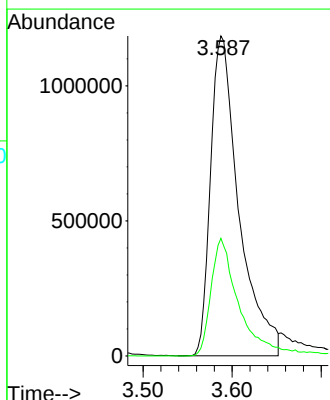
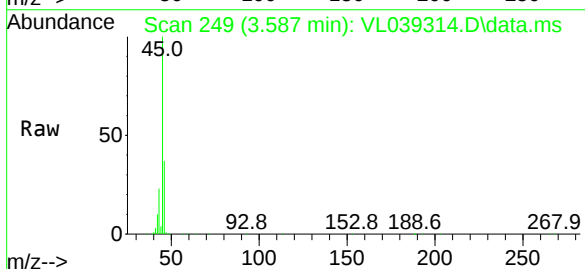
Manual Integrations
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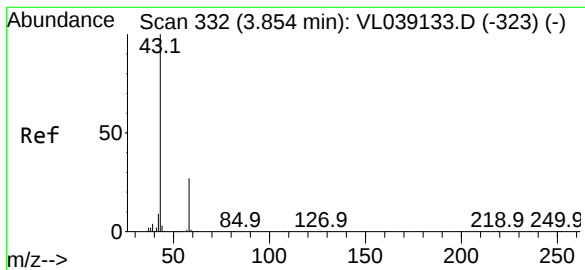
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#13
Ethanol
Concen: 706.580 ppbv
RT: 3.587 min Scan# 249
Delta R.T. -0.023 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

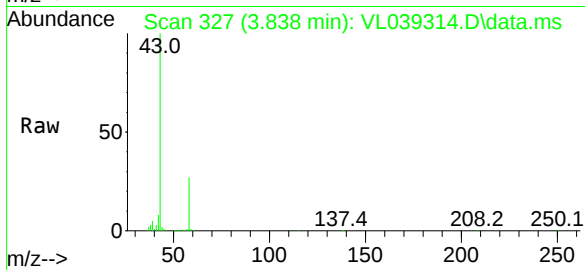
Tgt Ion: 45 Resp: 2621337
Ion Ratio Lower Upper
45 100
46 38.0 0.0 0.0#





#15
Acetone
Concen: 9.787 ppbv
RT: 3.838 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

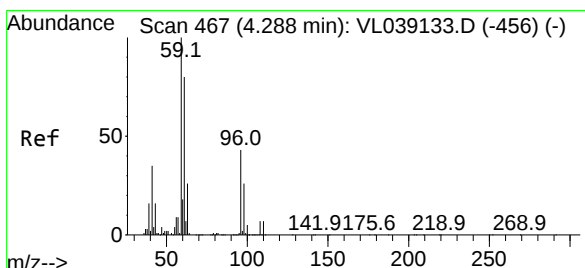
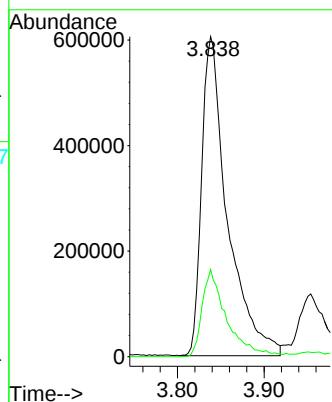
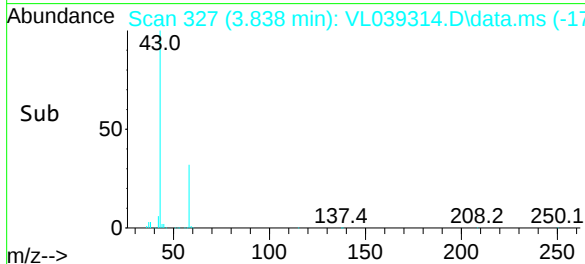
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 1250030
Ion Ratio Lower Upper
43 100
58 26.0 22.5 33.7

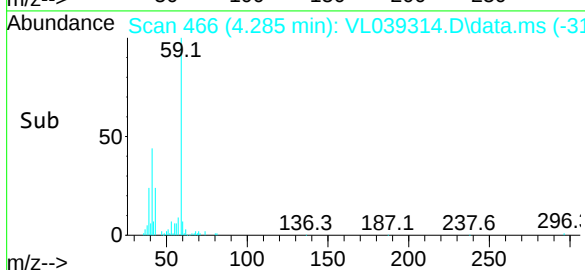
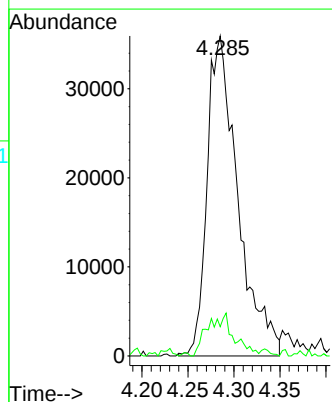
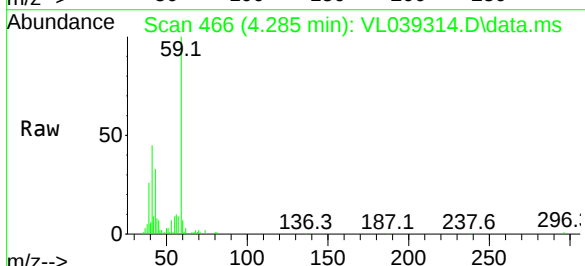
Manual Integrations
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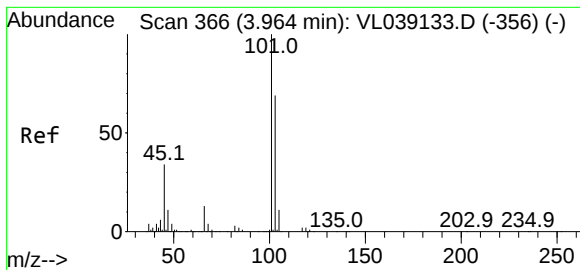
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#17
tert-Butyl alcohol
Concen: 0.842 ppbv m
RT: 4.285 min Scan# 466
Delta R.T. -0.003 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

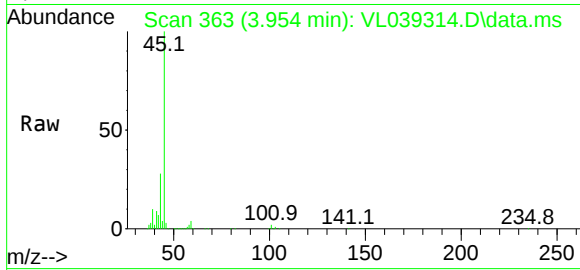
Tgt Ion: 59 Resp: 83384
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7#





#19
Isopropyl Alcohol
Concen: 14.860 ppbv
RT: 3.954 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

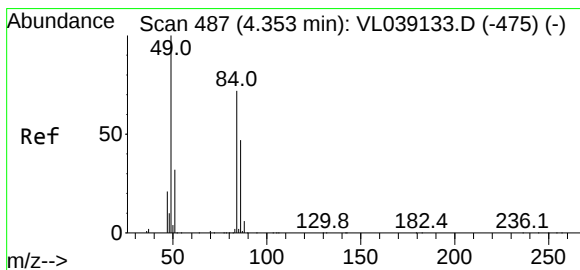
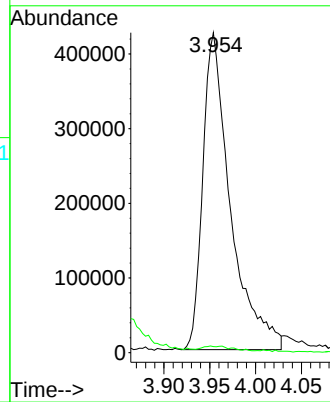
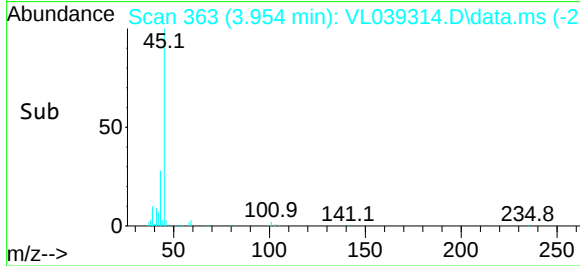
Instrument : MSVOA_L
ClientSampleId : SV1



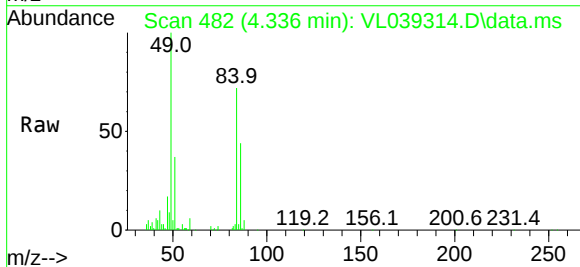
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Ion Ratio Lower Upper
45 100
58 2.8 1.8 2.8

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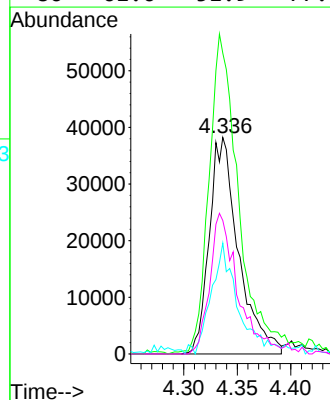
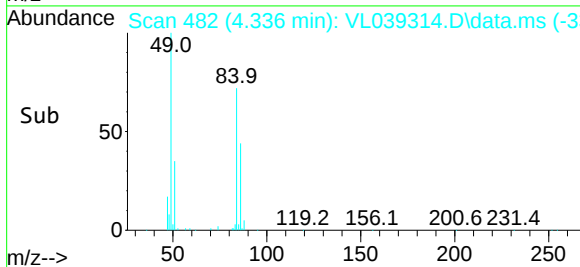
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

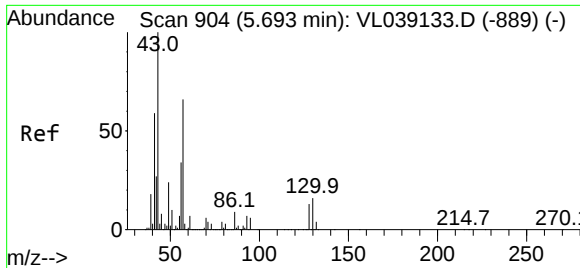


#20
Methylene Chloride
Concen: 1.350 ppbv m
RT: 4.336 min Scan# 482
Delta R.T. -0.016 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25



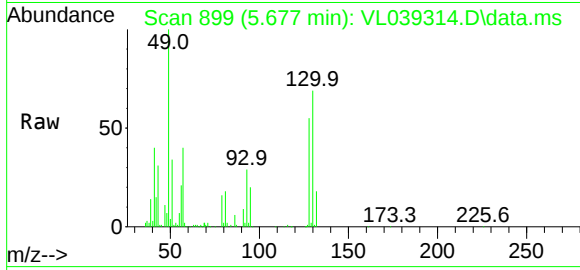
Tgt Ion: 84 Resp: 72688
Ion Ratio Lower Upper
84 100
49 139.0 111.1 166.7
51 51.2 35.3 52.9
86 61.6 51.9 77.9





#26
Hexane
Concen: 1.139 ppbv
RT: 5.677 min Scan# 899
Delta R.T. -0.016 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

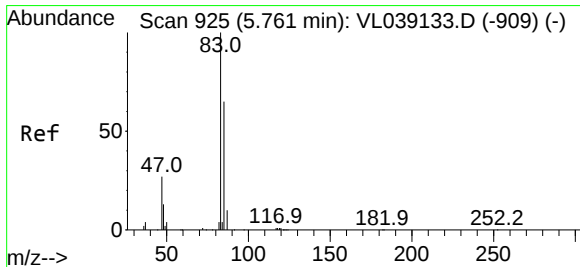
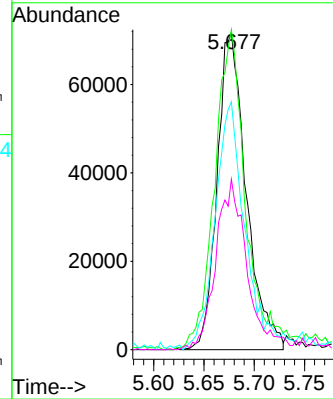
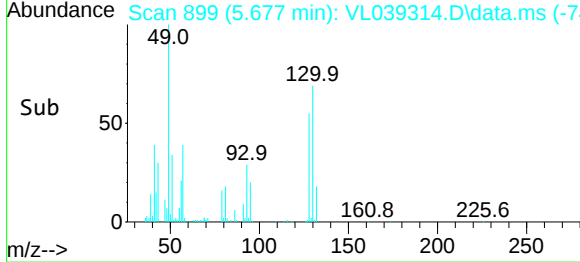
Instrument : MSVOA_L
ClientSampleId : SV1



Tgt Ion: 57 Resp: 144104
Ion Ratio Lower Upper
57 100
41 112.4 72.4 108.6
43 84.6 187.0 280.6
56 58.2 41.8 62.6

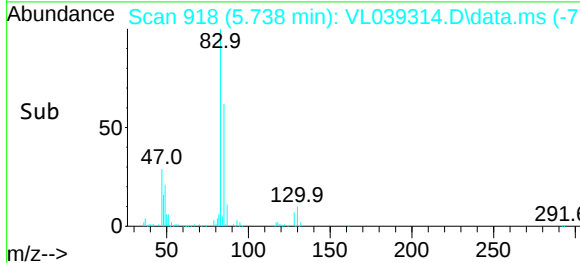
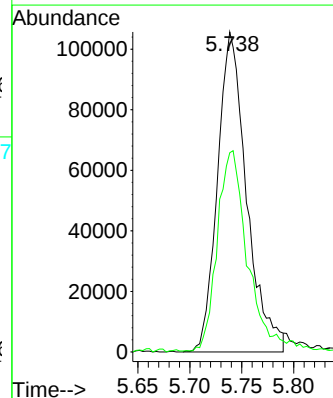
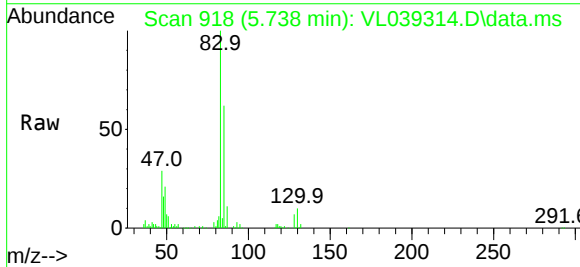
Manual Integrations
APPROVED

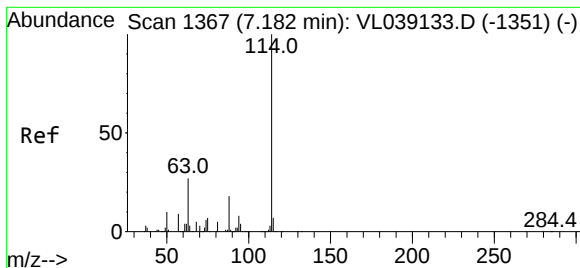
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#29
Chloroform
Concen: 0.967 ppbv
RT: 5.738 min Scan# 918
Delta R.T. -0.023 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

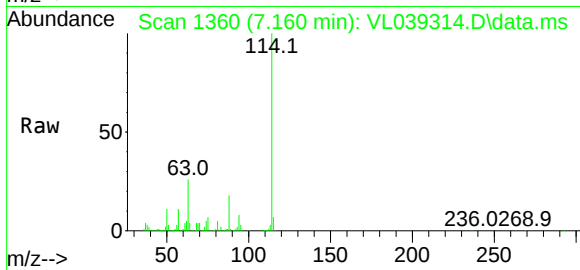
Tgt Ion: 83 Resp: 205929
Ion Ratio Lower Upper
83 100
85 62.0 52.4 78.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 114
Delta R.T. -0.023 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

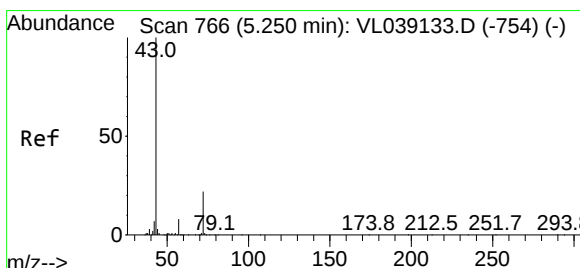
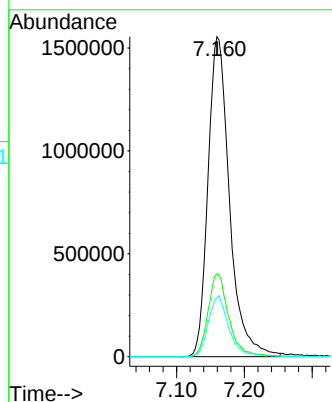
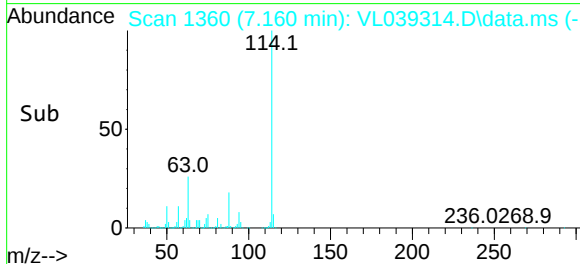
Instrument :
MSVOA_L
ClientSampleId :
SV1



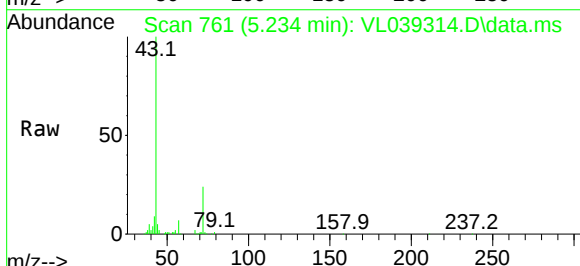
Tgt Ion:114 Resp: 342446
Ion Ratio Lower Upper
114 100
63 25.2 21.7 32.5
88 18.3 14.8 22.2

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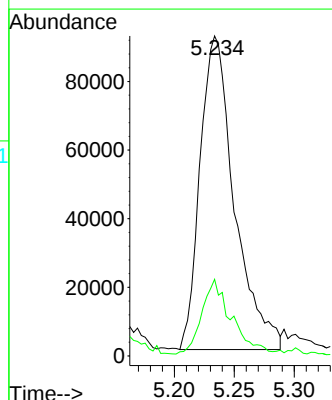
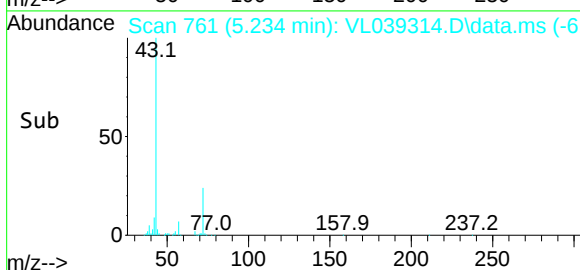
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

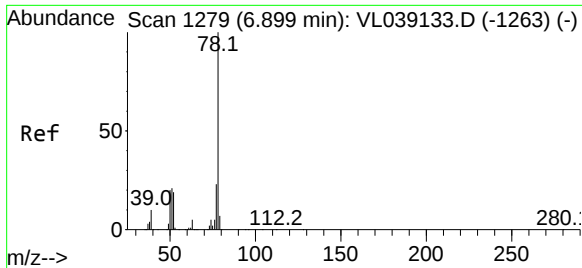


#34
2-Butanone
Concen: 0.981 ppbv
RT: 5.234 min Scan# 761
Delta R.T. -0.016 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25



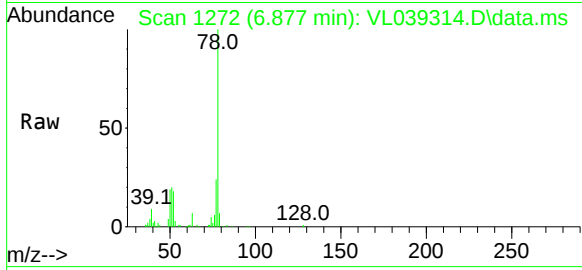
Tgt Ion: 43 Resp: 182441
Ion Ratio Lower Upper
43 100
72 23.1 18.2 27.2





#36
Benzene
Concen: 0.365 ppbv
RT: 6.877 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

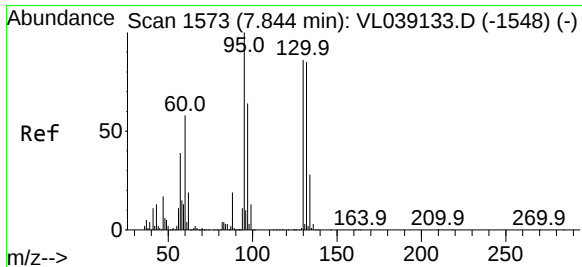
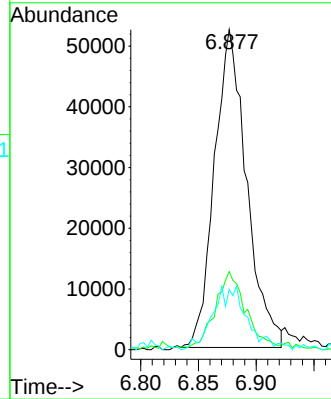
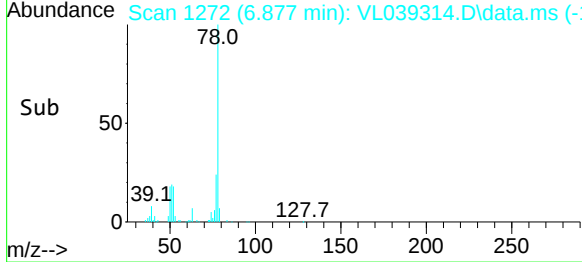
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 101454
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8
50 18.9 15.8 23.8

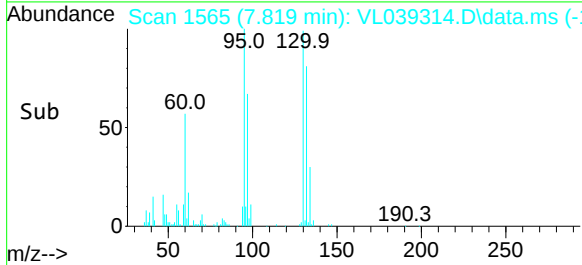
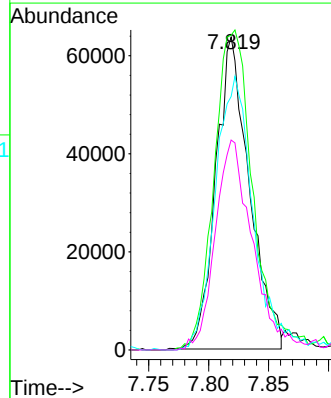
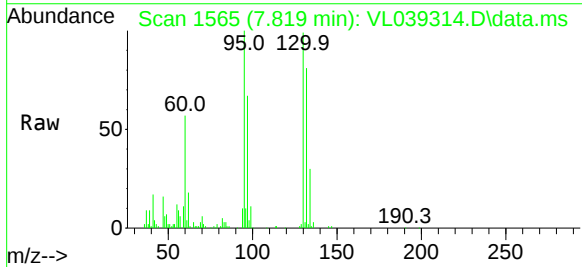
Manual Integrations
APPROVED

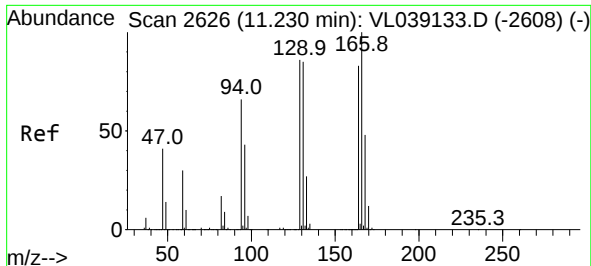
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#38
Trichloroethene
Concen: 0.968 ppbv
RT: 7.819 min Scan# 1565
Delta R.T. -0.026 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:130 Resp: 123614
Ion Ratio Lower Upper
130 100
95 100.2 93.3 139.9
132 81.0 79.0 118.4
97 66.8 59.4 89.2





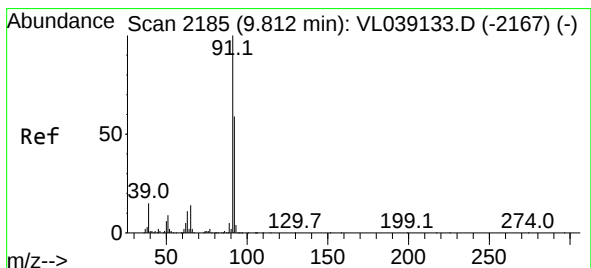
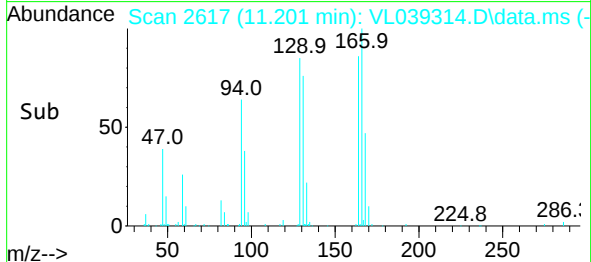
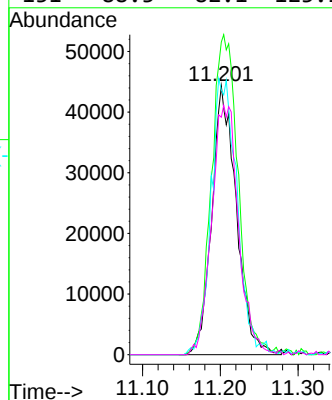
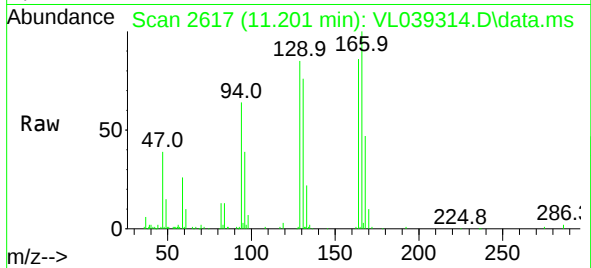
#52
Tetrachloroethene
Concen: 0.897 ppbv m
RT: 11.201 min Scan# 2178
Delta R.T. -0.029 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:164 Resp: 97318
Ion Ratio Lower Upper
164 100
166 116.4 96.3 144.5
129 98.5 82.5 123.7
131 88.3 82.1 123.1

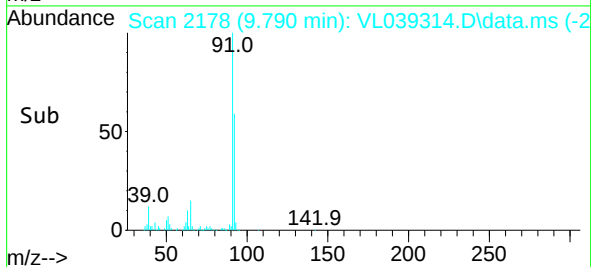
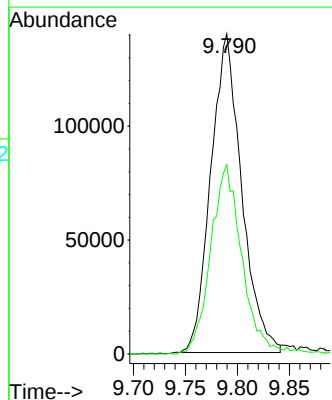
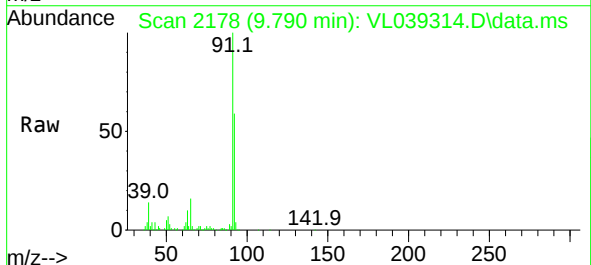
Manual Integrations
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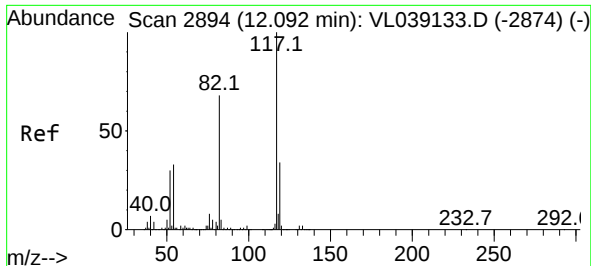
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#53
Toluene
Concen: 0.901 ppbv
RT: 9.790 min Scan# 2178
Delta R.T. -0.023 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 91 Resp: 288447
Ion Ratio Lower Upper
91 100
92 61.0 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: VL039314.D

Acq: 16 Jun 2022 3:25

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 117 Resp: 314642

Ion Ratio Lower Upper

117 100

82 65.5 55.1 82.7

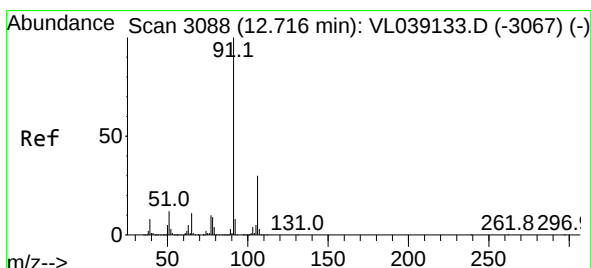
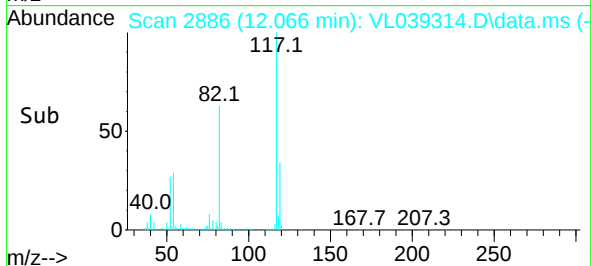
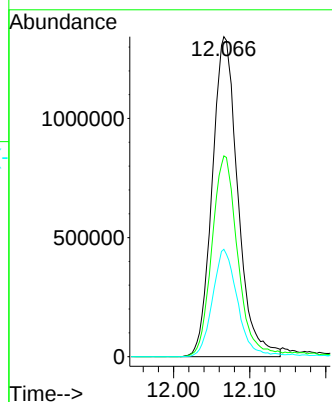
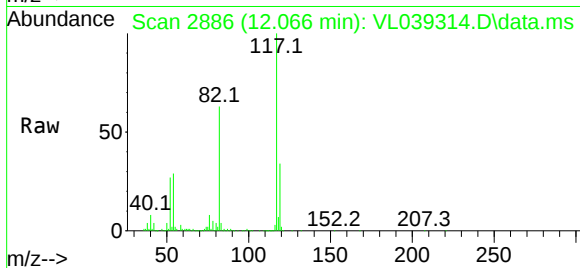
119 33.5 24.7 37.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/17/2022



#58

Ethyl Benzene

Concen: 0.249 ppbv

RT: 12.693 min Scan# 3081

Delta R.T. -0.023 min

Lab File: VL039314.D

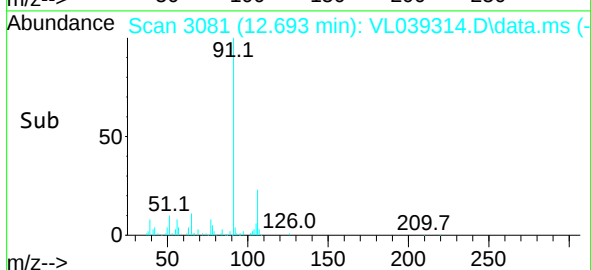
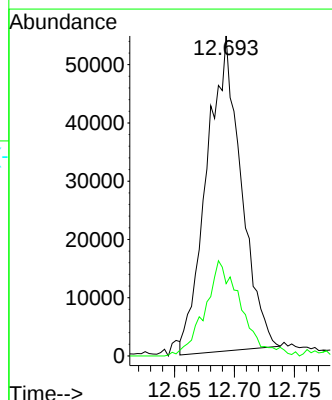
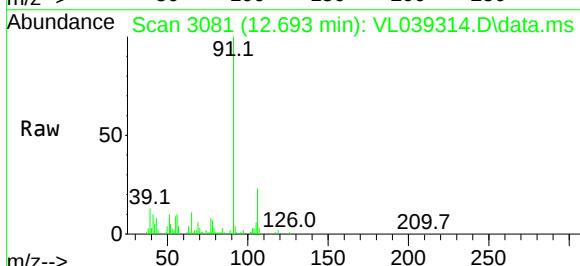
Acq: 16 Jun 2022 3:25

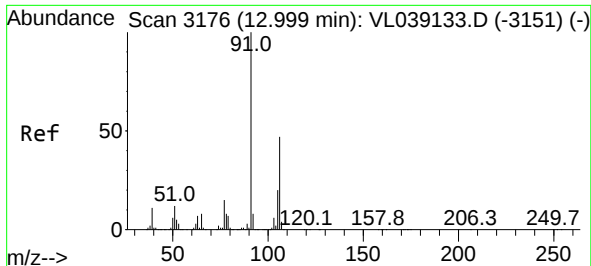
Tgt Ion: 91 Resp: 108006

Ion Ratio Lower Upper

91 100

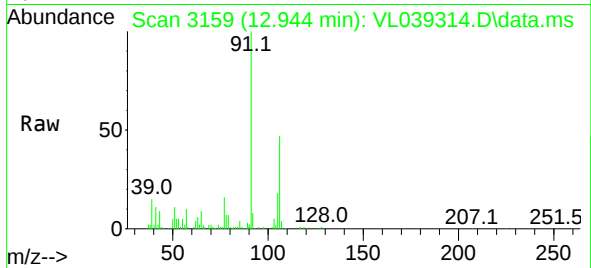
106 21.5 24.2 36.4#





#59
m/p-Xylene
Concen: 0.930 ppbv m
RT: 12.944 min Scan# 3176
Delta R.T. -0.055 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

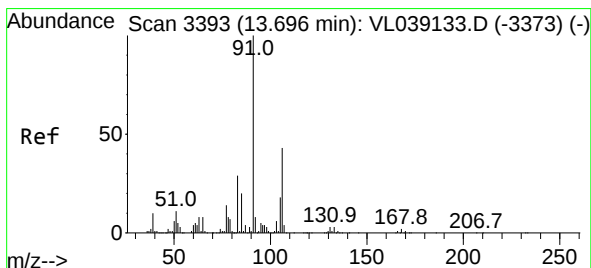
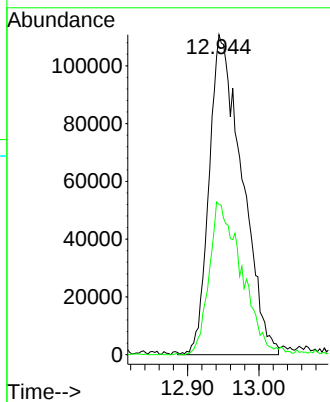
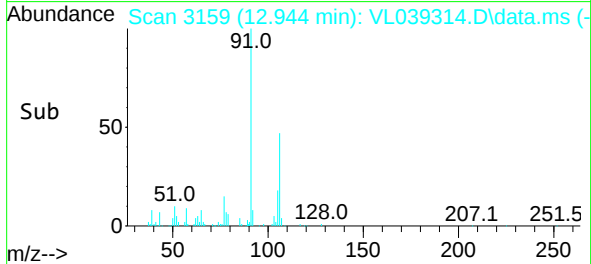
Instrument :
MSVOA_L
ClientSampleId :
SV1



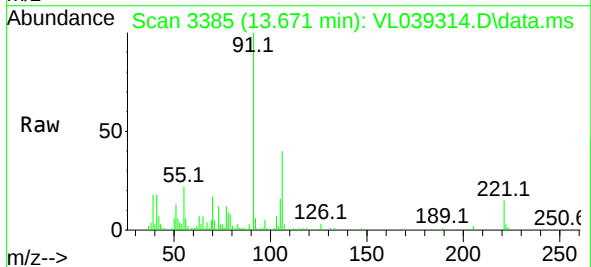
Tgt Ion: 91 Resp: 35499
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

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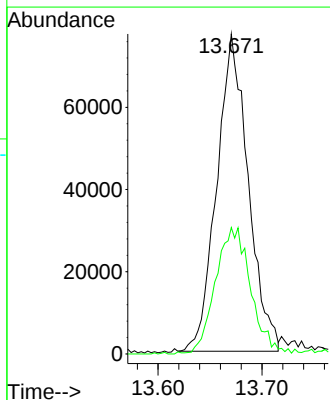
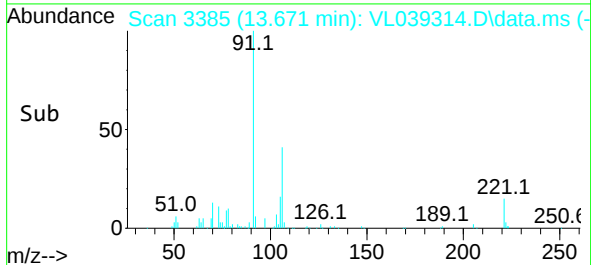
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

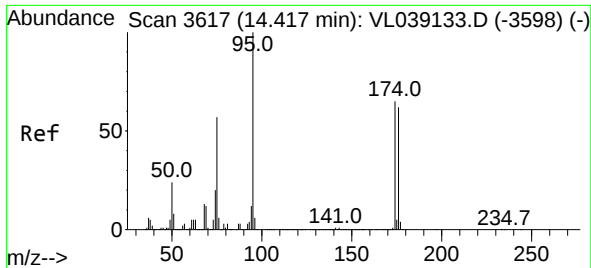


#60
o-Xylene
Concen: 0.452 ppbv
RT: 13.671 min Scan# 3385
Delta R.T. -0.026 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25



Tgt Ion: 91 Resp: 161933
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.9





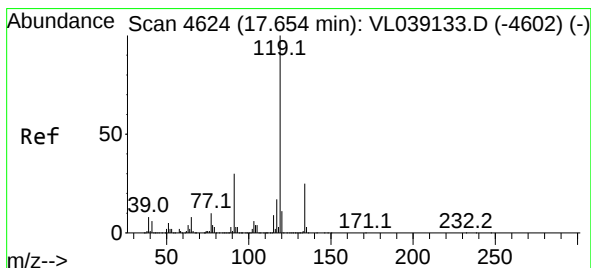
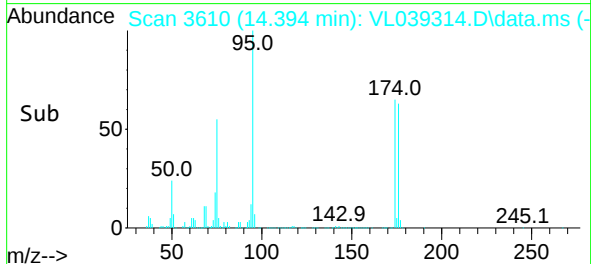
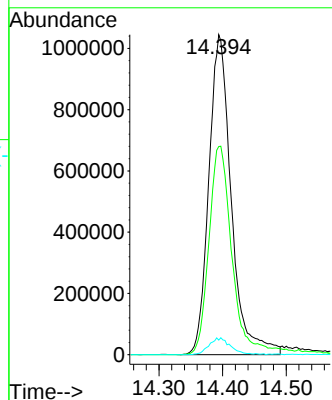
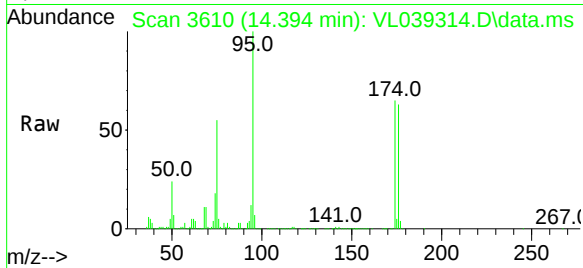
#68
1-Bromo-4-Fluorobenzene
Concen: 9.847 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. -0.023 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 95 Resp: 256139
Ion Ratio Lower Upper
95 100
174 69.4 53.8 80.8
175 5.2 4.1 6.1

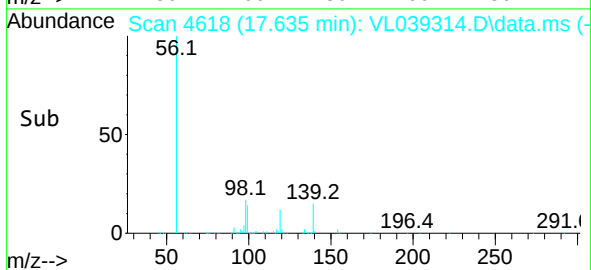
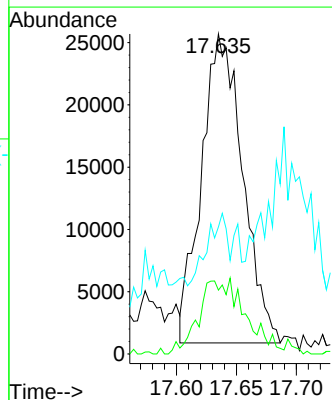
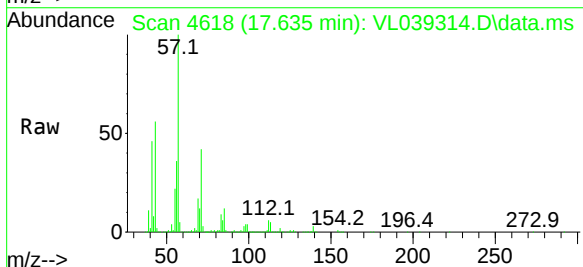
Manual Integrations
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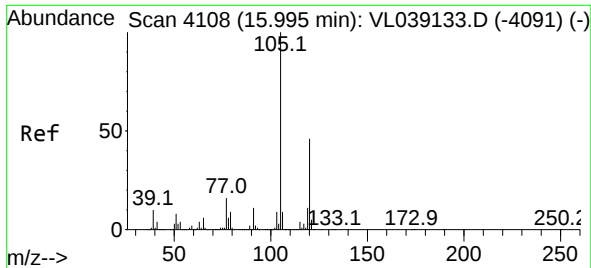
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#69
p-Isopropyltoluene
Concen: 0.106 ppbv
RT: 17.635 min Scan# 4618
Delta R.T. -0.019 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:119 Resp: 59258
Ion Ratio Lower Upper
119 100
134 28.2 20.4 30.6
91 31.5 24.2 36.4





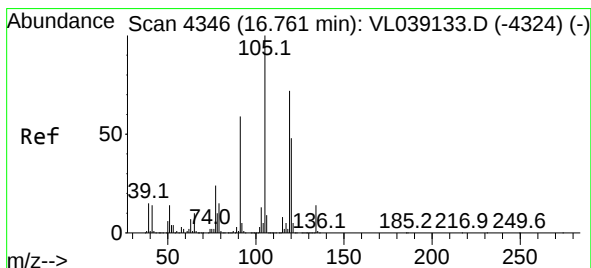
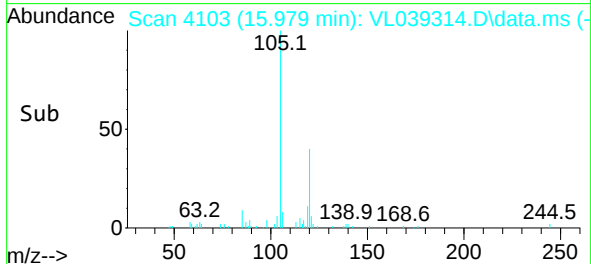
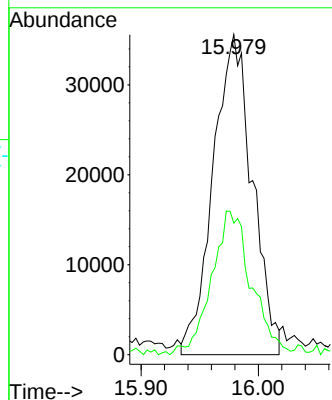
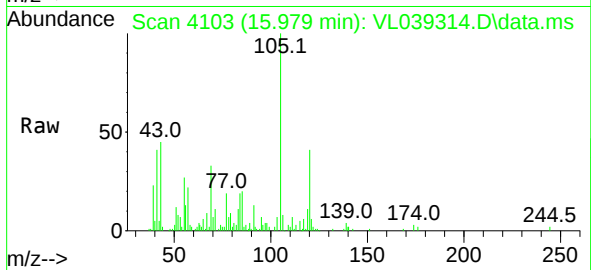
#73
1,3,5-Trimethylbenzene
Concen: 0.218 ppbv m
RT: 15.979 min Scan# 4108
Delta R.T. -0.016 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 8261
Ion Ratio Lower Upper
105 100
120 41.1 36.7 55.1

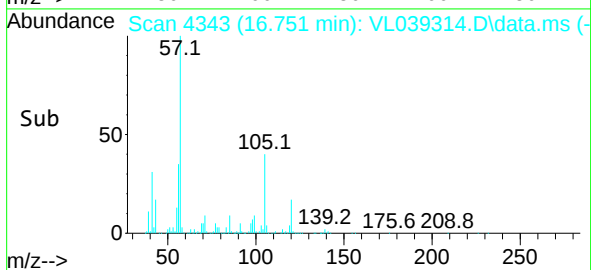
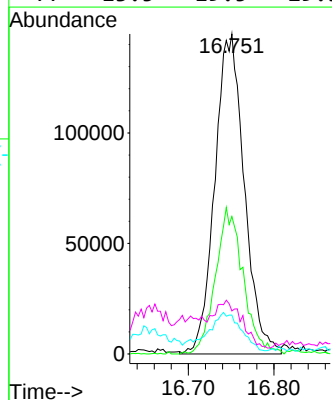
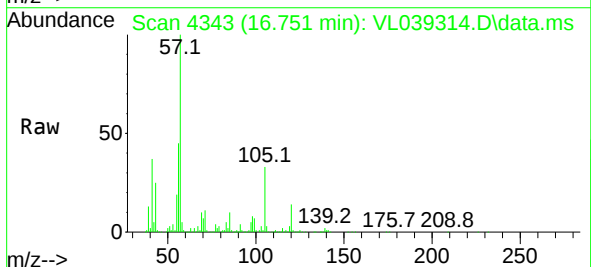
Manual Integrations
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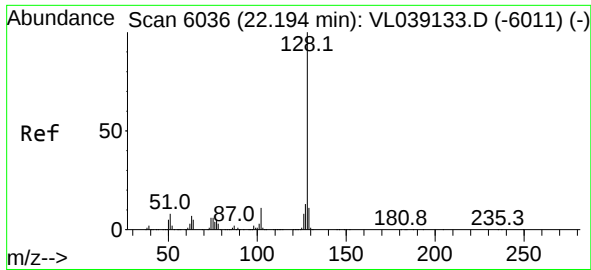
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.818 ppbv m
RT: 16.751 min Scan# 4343
Delta R.T. -0.010 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:105 Resp: 345899
Ion Ratio Lower Upper
105 100
120 43.0 38.1 57.1
91 12.2 47.4 71.0#
77 13.5 19.5 29.3#





#79

Naphthalene

Concen: 0.131 ppbv m

RT: 22.185 min Scan# 6033

Delta R.T. -0.010 min

Lab File: VL039314.D

Acq: 16 Jun 2022 3:25

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:128 Resp: 42793

Ion Ratio Lower Upper

128 100

127 34.0 10.4 15.6

129 9.9 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/17/2022

