

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039182.D
 Acq On : 6 Jun 2022 12:16
 Operator : SY/AP
 Sample : N3110-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-11DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022
 Supervised By :Mahesh Dadoda 06/07/2022

Quant Time: Jun 06 12:50:46 2022

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

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

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	1308544	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.166	114	3614320	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.073	117	3234314	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.400	95	2507080	9.376	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	27360	0.119	ppbv	90
3) Chlorodifluoromethane	2.993	51	18584	0.112	ppbv #	88
4) Chloromethane	3.140	50	18040	0.211	ppbv #	88
9) Propene	3.018	41	23483m	0.323	ppbv	
10) Heptane	8.114	43	21476m	0.127	ppbv	
11) Trichlorofluoromethane	3.947	101	146312	0.703	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.481	101	19414	0.141	ppbv	91
13) Ethanol	3.600	45	76218m	19.251	ppbv	
15) Acetone	3.848	43	355975	2.612	ppbv	90
17) tert-Butyl alcohol	4.301	59	21577m	0.204	ppbv	
20) Methylene Chloride	4.343	84	210505	3.665	ppbv	94
26) Hexane	5.684	57	415554	3.078	ppbv #	39
27) Carbon Disulfide	4.549	76	28084	0.201	ppbv #	59
29) Chloroform	5.745	83	52140	0.230	ppbv	95
34) 2-Butanone	5.246	43	88871	0.453	ppbv #	88
38) Trichloroethene	7.822	130	17970m	0.133	ppbv	
52) Tetrachloroethene	11.214	164	161235m	1.407	ppbv	
53) Toluene	9.799	91	184686m	0.547	ppbv	
58) Ethyl Benzene	12.696	91	145729	0.327	ppbv	94
59) m/p-Xylene	12.954	91	595460m	1.518	ppbv	
60) o-Xylene	13.671	91	104507	0.283	ppbv #	31
64) n-propylbenzene	15.545	120	23166m	0.172	ppbv	
70) n-Butylbenzene	18.535	91	59015m	0.100	ppbv	
72) 4-Ethyltoluene	15.825	105	147563	0.342	ppbv	97
73) 1,3,5-Trimethylbenzene	15.979	105	120022	0.308	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.744	105	479231	1.102	ppbv #	64

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

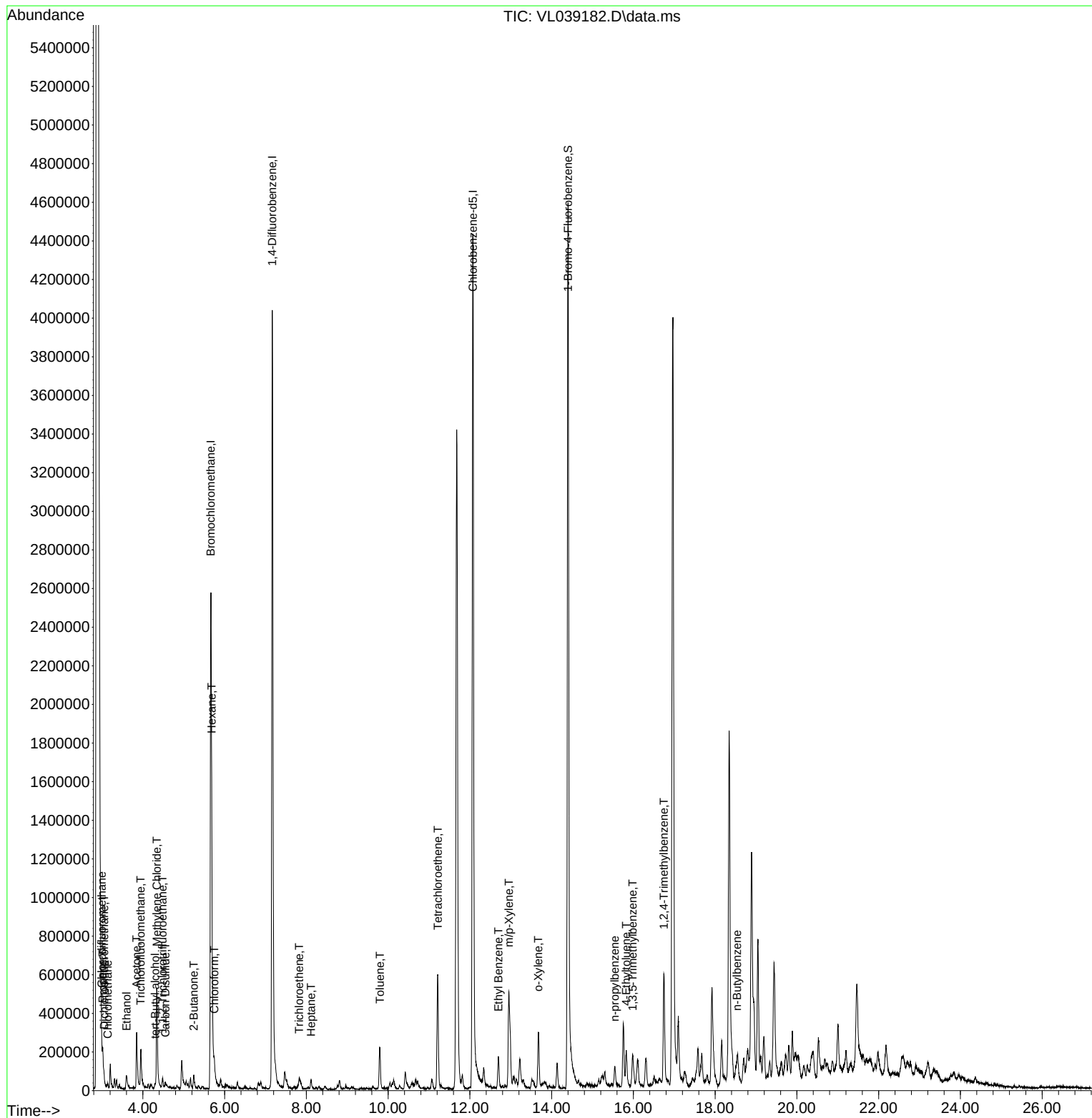
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
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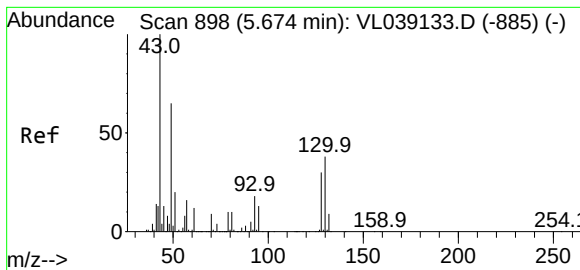
Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Quant Time: Jun 06 12:50:46 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

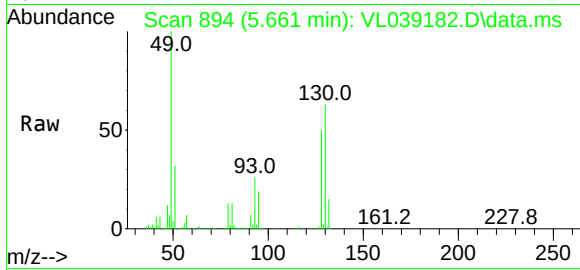
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

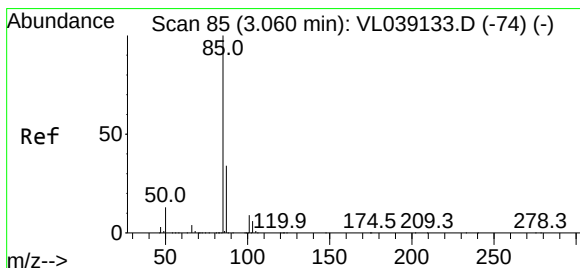
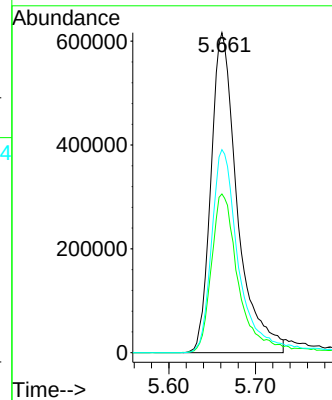
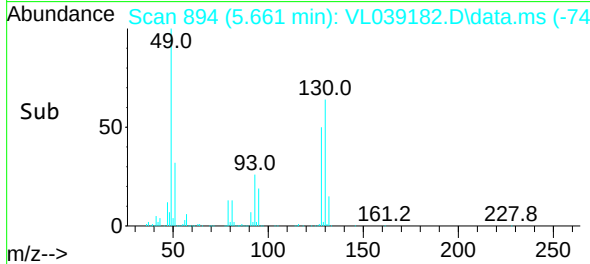
Instrument :
MSVOA_L
ClientSampleId :
SG-11DL



Tgt Ion: 49 Resp: 1308544
Ion Ratio Lower Upper
49 100
128 52.5 24.7 74.1
130 67.3 31.4 94.0

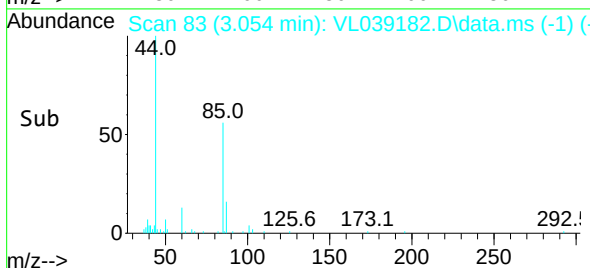
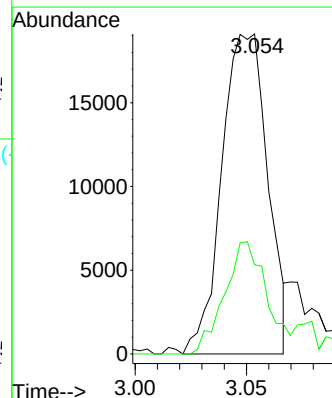
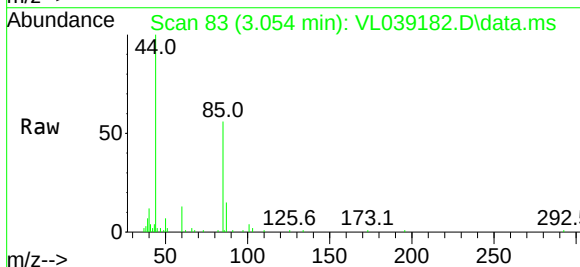
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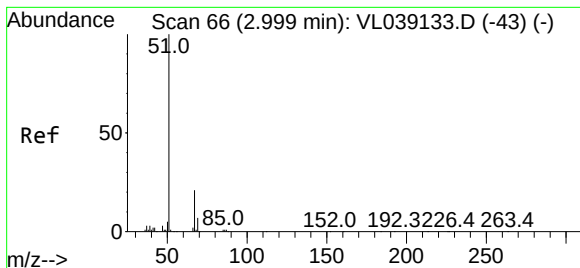
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#2
Dichlorodifluoromethane
Concen: 0.119 ppbv
RT: 3.054 min Scan# 83
Delta R.T. -0.006 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 85 Resp: 27360
Ion Ratio Lower Upper
85 100
87 27.8 26.9 40.3





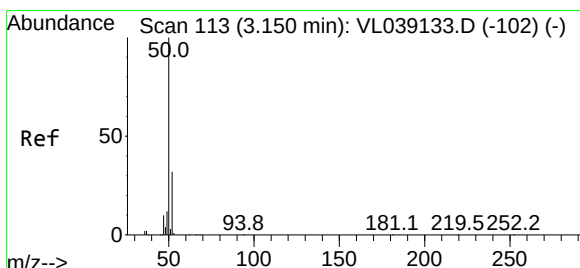
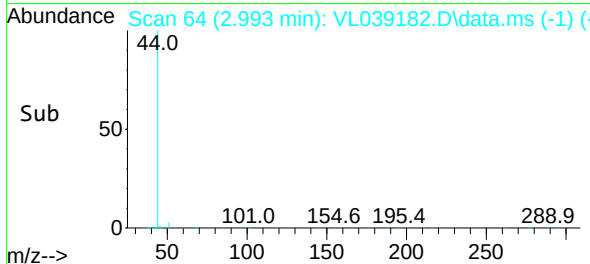
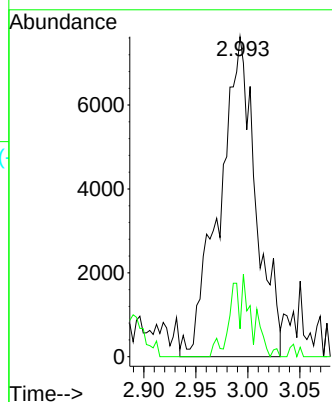
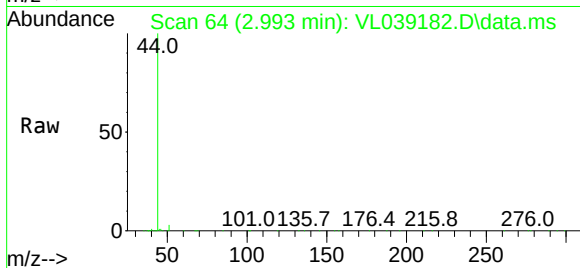
#3
Chlorodifluoromethane
Concen: 0.112 ppbv
RT: 2.993 min Scan# 64
Delta R.T. -0.006 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 51 Resp: 18584
Ion Ratio Lower Upper
51 100
67 14.8 16.2 24.4

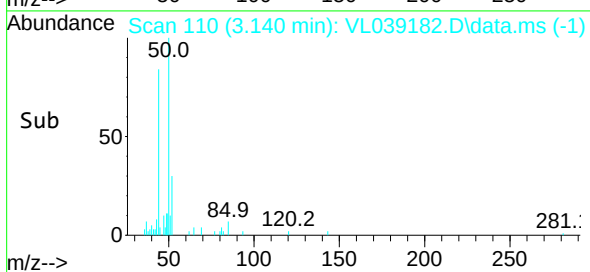
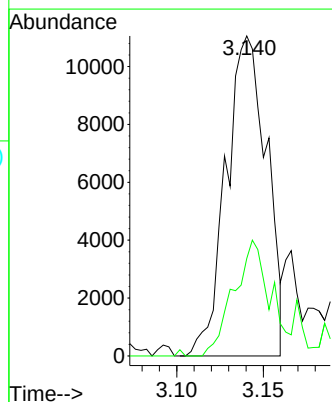
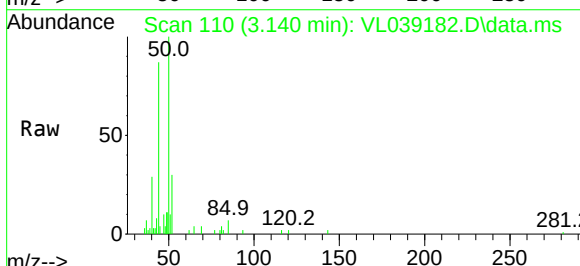
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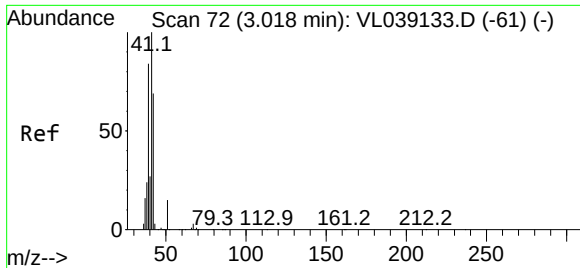
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#4
Chloromethane
Concen: 0.211 ppbv
RT: 3.140 min Scan# 110
Delta R.T. -0.010 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

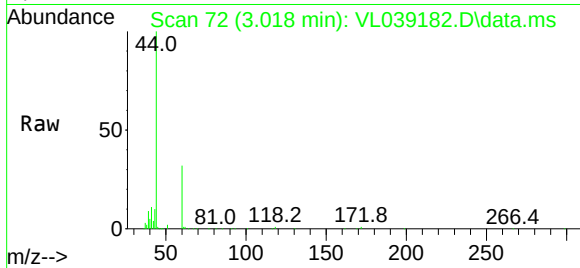
Tgt Ion: 50 Resp: 18040
Ion Ratio Lower Upper
50 100
52 25.8 25.9 38.9





#9
 Propene
 Concen: 0.323 ppbv m
 RT: 3.018 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL039182.D
 Acq: 6 Jun 2022 12:16

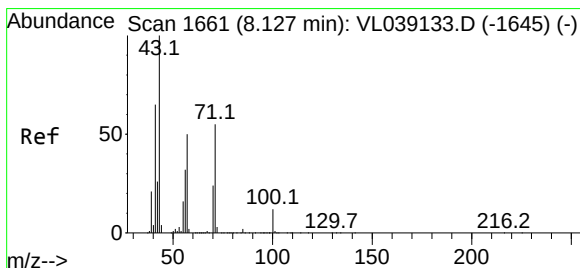
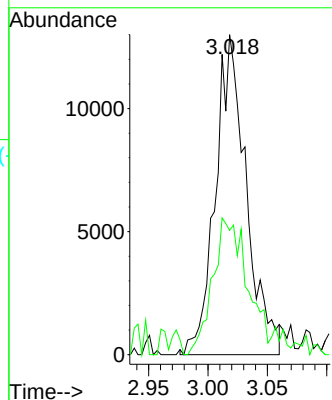
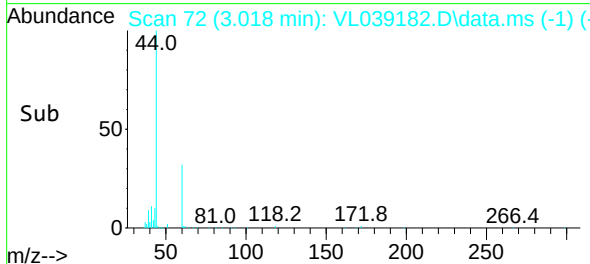
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-11DL



Tgt Ion: 41 Resp: 2348
 Ion Ratio Lower Upper
 41 100
 42 57.4 55.4 83.2

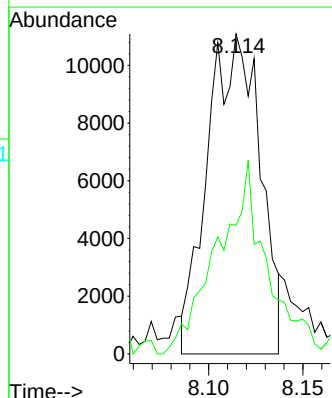
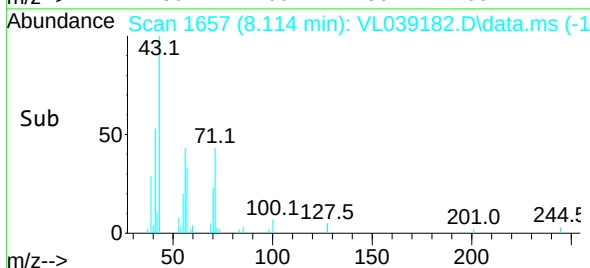
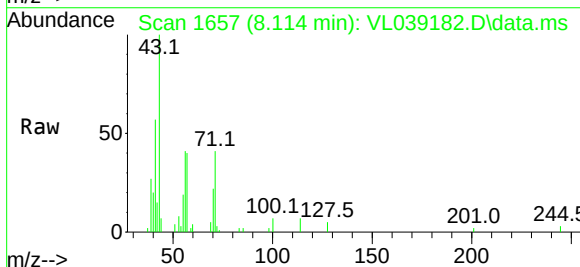
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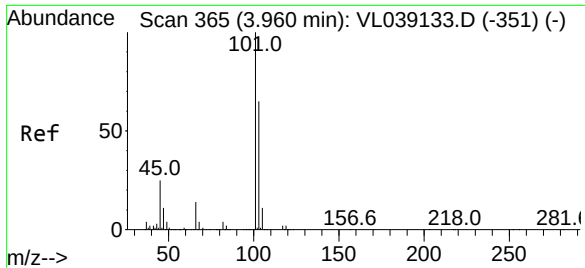
Reviewed By :Semsettin Yesilyurt 06/07/2022
 Supervised By :Mahesh Dadoda 06/07/2022



#10
 Heptane
 Concen: 0.127 ppbv m
 RT: 8.114 min Scan# 1657
 Delta R.T. -0.013 min
 Lab File: VL039182.D
 Acq: 6 Jun 2022 12:16

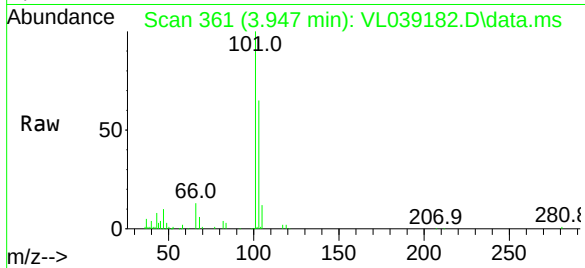
Tgt Ion: 43 Resp: 21476
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.4 62.2#





#11
 Trichlorofluoromethane
 Concen: 0.703 ppbv
 RT: 3.947 min Scan# 30
 Delta R.T. -0.013 min
 Lab File: VL039182.D
 Acq: 6 Jun 2022 12:16

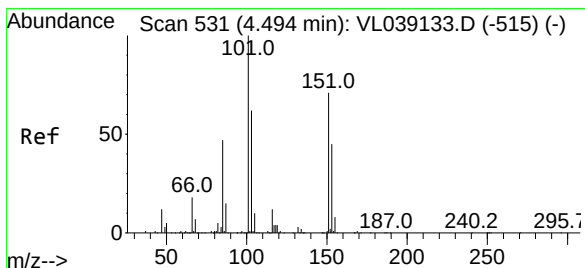
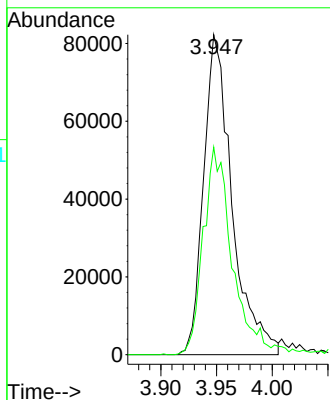
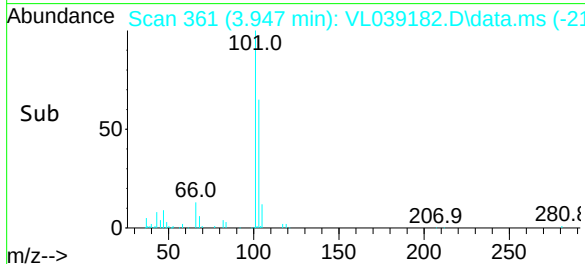
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-11DL



Tgt Ion:101 Resp: 146312
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

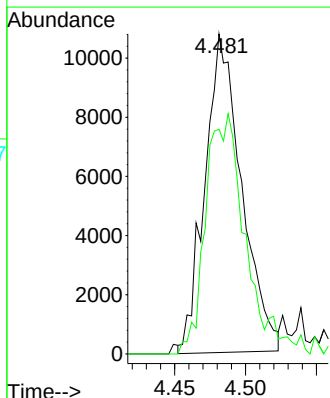
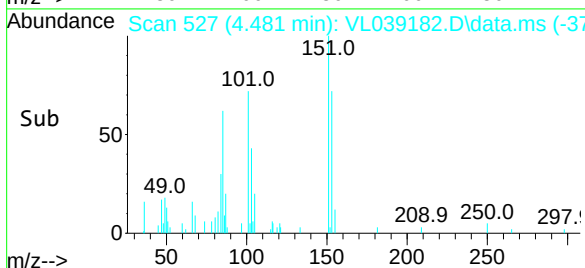
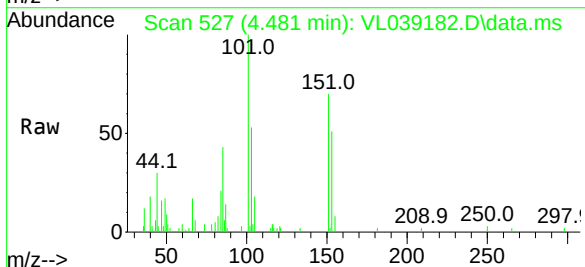
Manual Integrations
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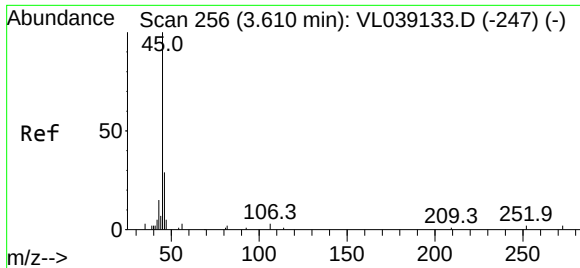
Reviewed By :Semsettin Yesilyurt 06/07/2022
 Supervised By :Mahesh Dadoda 06/07/2022



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.141 ppbv
 RT: 4.481 min Scan# 527
 Delta R.T. -0.013 min
 Lab File: VL039182.D
 Acq: 6 Jun 2022 12:16

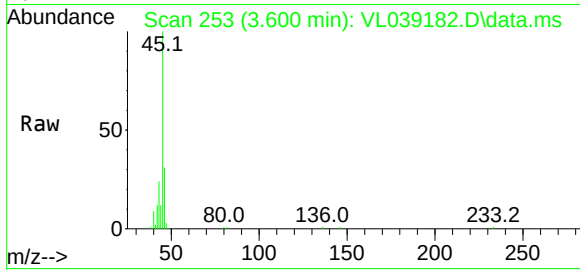
Tgt Ion:101 Resp: 19414
 Ion Ratio Lower Upper
 101 100
 151 81.5 59.4 89.0





#13
Ethanol
Concen: 19.251 ppbv m
RT: 3.600 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

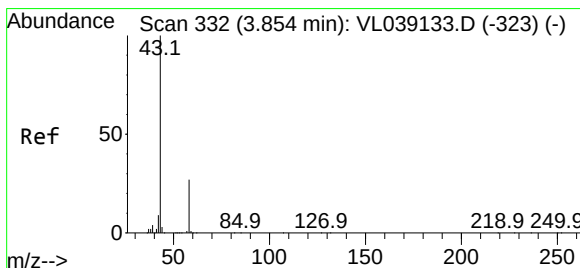
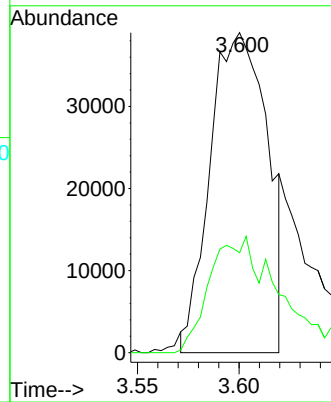
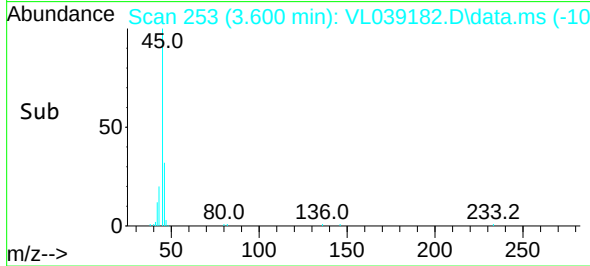
Instrument :
MSVOA_L
ClientSampleId :
SG-11DL



Tgt Ion: 45 Resp: 76218
Ion Ratio Lower Upper
45 100
46 51.2 0.0 0.0

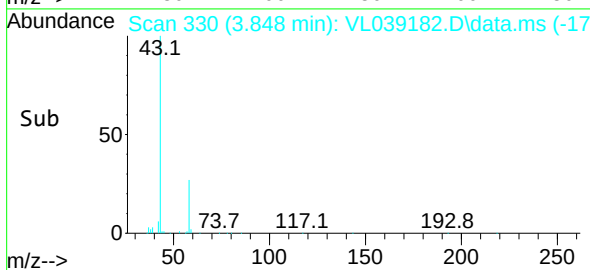
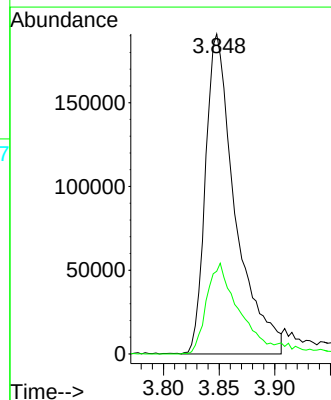
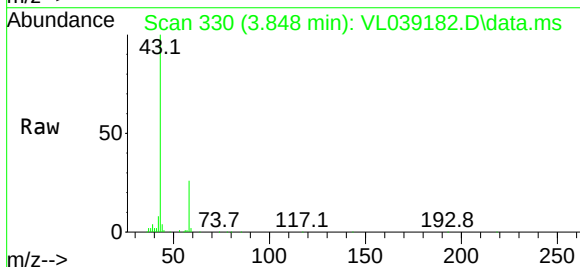
Manual Integrations
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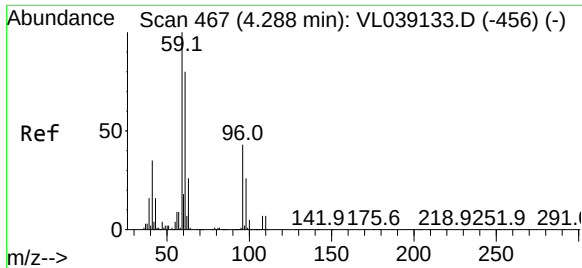
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#15
Acetone
Concen: 2.612 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.006 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

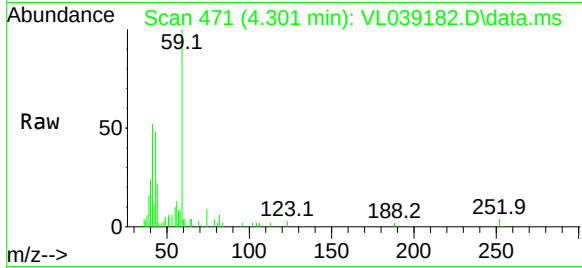
Tgt Ion: 43 Resp: 355975
Ion Ratio Lower Upper
43 100
58 33.3 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.204 ppbv m
RT: 4.301 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

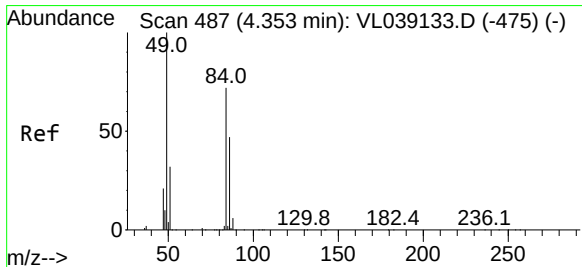
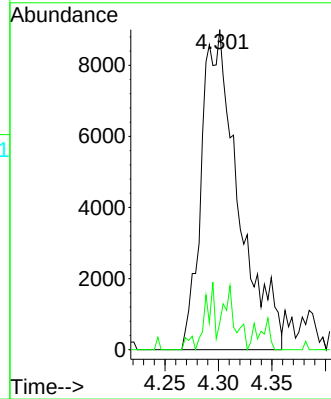
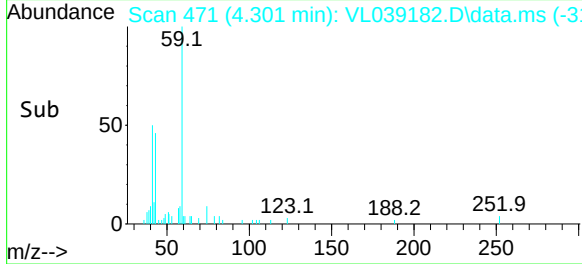
Instrument :
MSVOA_L
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SG-11DL



Tgt Ion: 59 Resp: 2157
Ion Ratio Lower Upper
59 100
57 15.2 9.1 13.7

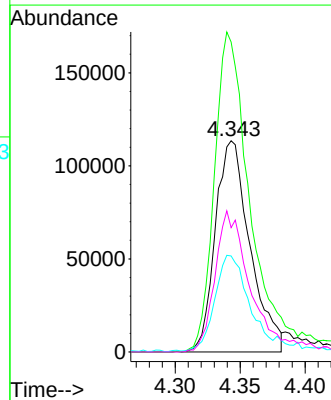
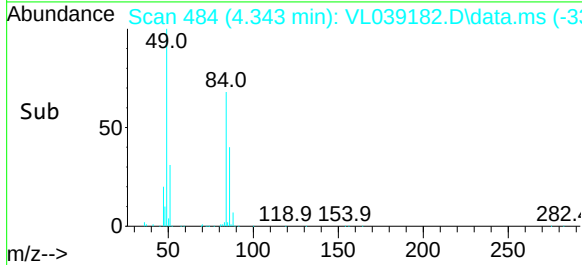
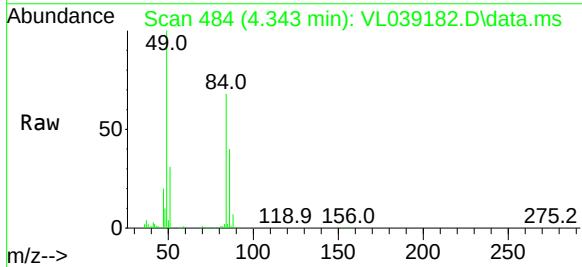
Manual Integrations
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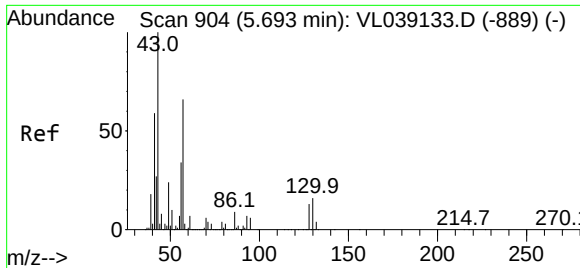
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#20
Methylene Chloride
Concen: 3.665 ppbv
RT: 4.343 min Scan# 484
Delta R.T. -0.010 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

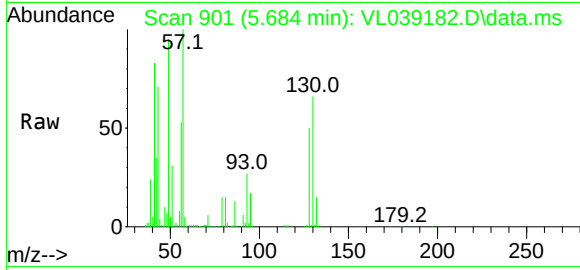
Tgt Ion: 84 Resp: 210505
Ion Ratio Lower Upper
84 100
49 146.8 111.1 166.7
51 45.0 35.3 52.9
86 58.9 51.9 77.9





#26
Hexane
Concen: 3.078 ppbv
RT: 5.684 min Scan# 904
Delta R.T. -0.010 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

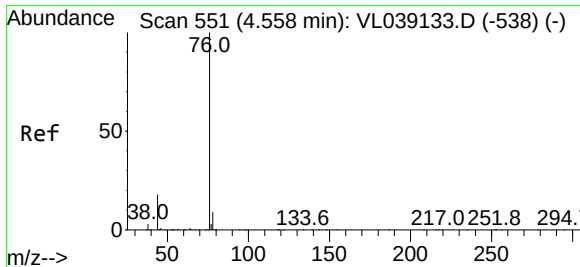
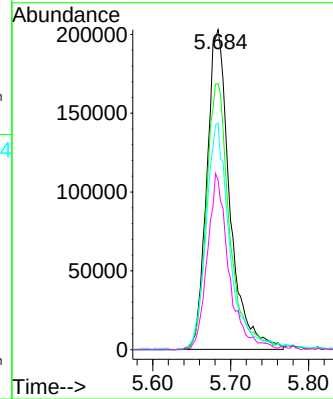
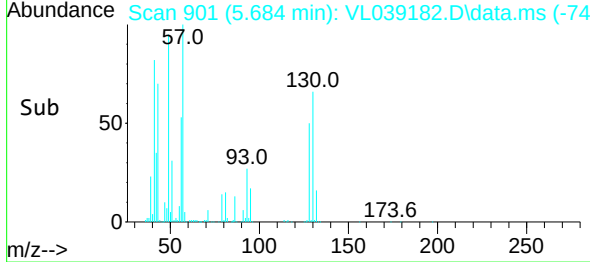
Instrument :
MSVOA_L
ClientSampleId :
SG-11DL



Tgt Ion: 57 Resp: 415554
Ion Ratio Lower Upper
57 100
41 85.1 72.4 108.6
43 72.8 187.0 280.6
56 52.2 41.8 62.6

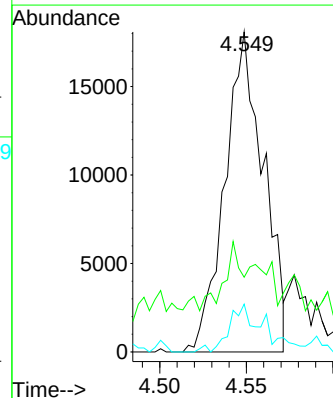
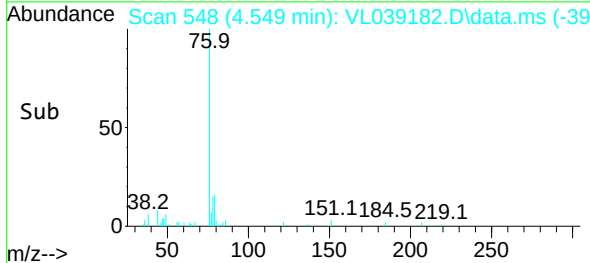
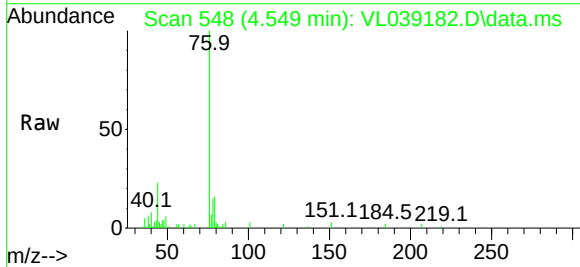
Manual Integrations
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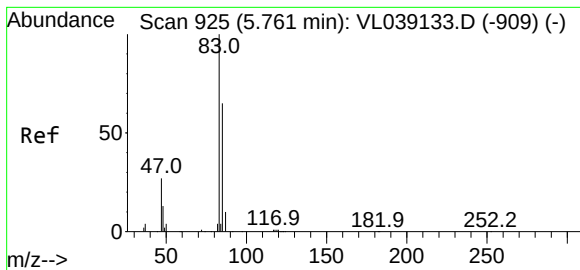
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#27
Carbon Disulfide
Concen: 0.201 ppbv
RT: 4.549 min Scan# 548
Delta R.T. -0.010 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 76 Resp: 28084
Ion Ratio Lower Upper
76 100
44 42.0 14.4 21.6#
78 15.5 7.7 11.5#





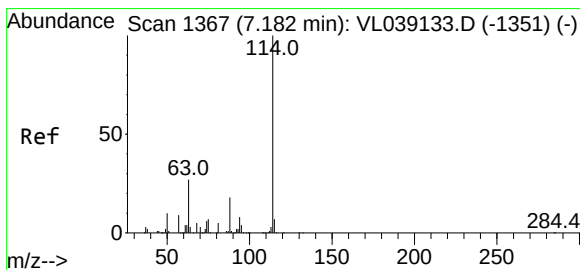
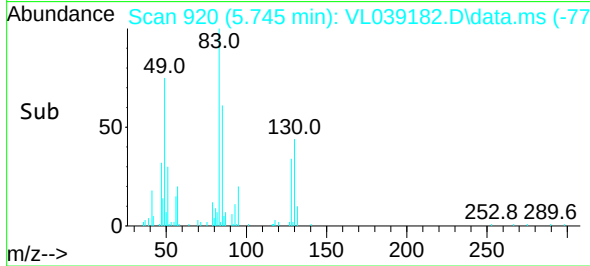
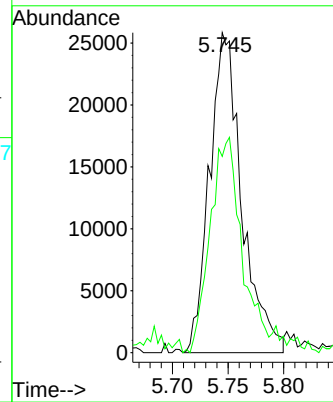
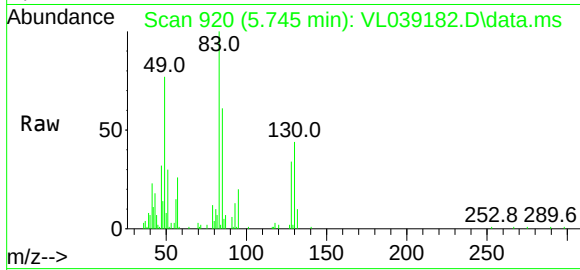
#29
Chloroform
Concen: 0.230 ppbv
RT: 5.745 min Scan# 91
Delta R.T. -0.016 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 83 Resp: 52140
Ion Ratio Lower Upper
83 100
85 61.4 52.4 78.6

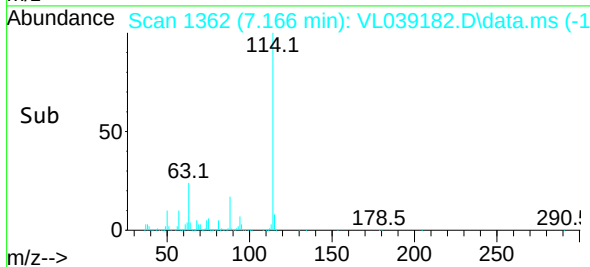
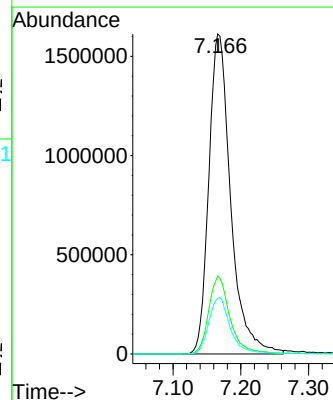
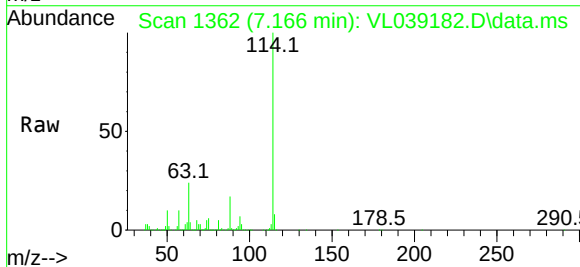
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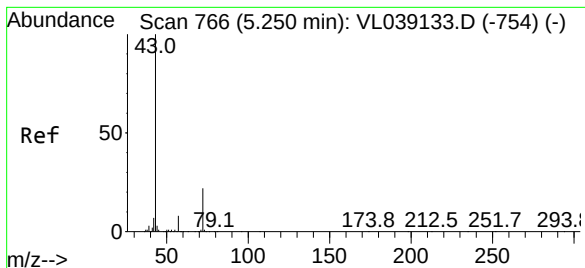
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. -0.016 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

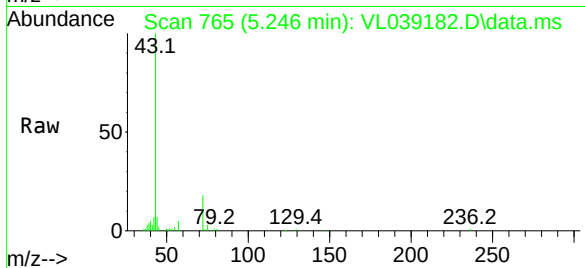
Tgt Ion:114 Resp: 3614320
Ion Ratio Lower Upper
114 100
63 23.9 21.7 32.5
88 17.6 14.8 22.2





#34
2-Butanone
Concen: 0.453 ppbv
RT: 5.246 min Scan# 70
Delta R.T. -0.003 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

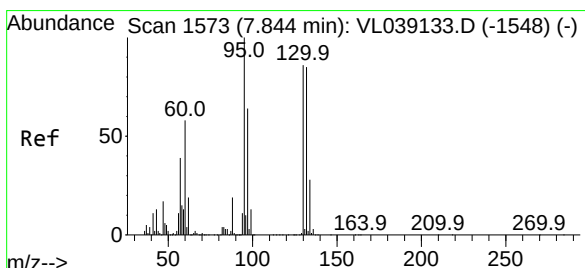
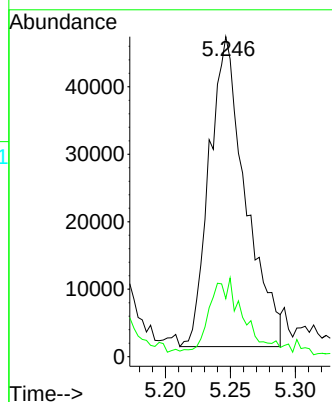
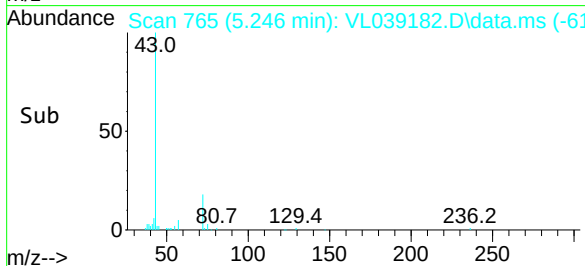
Instrument :
MSVOA_L
ClientSampleId :
SG-11DL



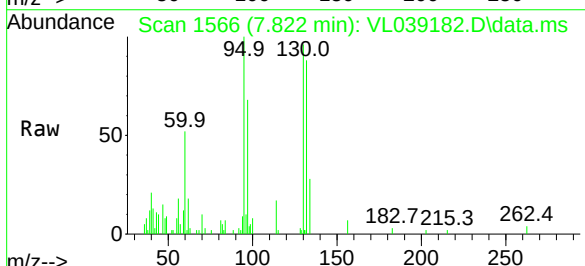
Tgt Ion: 43 Resp: 8887
Ion Ratio Lower Upper
43 100
72 28.5 18.2 27.2

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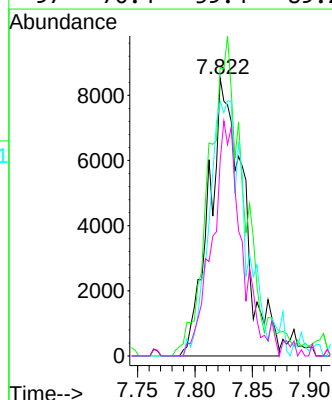
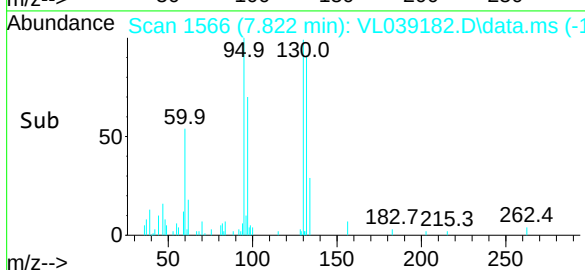
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

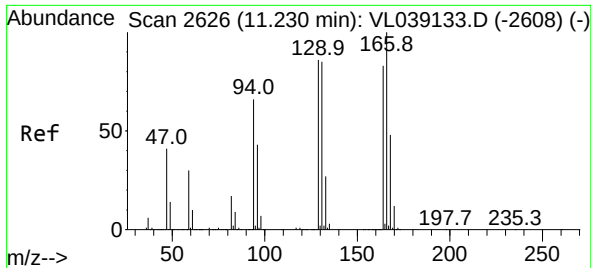


#38
Trichloroethene
Concen: 0.133 ppbv m
RT: 7.822 min Scan# 1566
Delta R.T. -0.023 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16



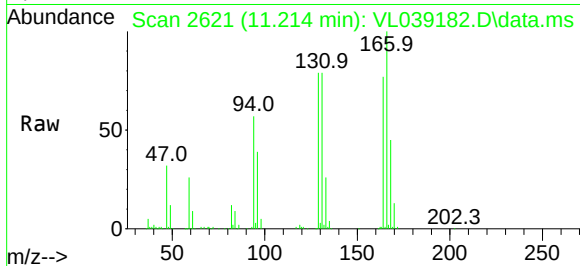
Tgt Ion:130 Resp: 17970
Ion Ratio Lower Upper
130 100
95 104.0 93.3 139.9
132 91.7 79.0 118.4
97 70.4 59.4 89.2





#52
Tetrachloroethene
Concen: 1.407 ppbv m
RT: 11.214 min Scan# 2118
Delta R.T. -0.016 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

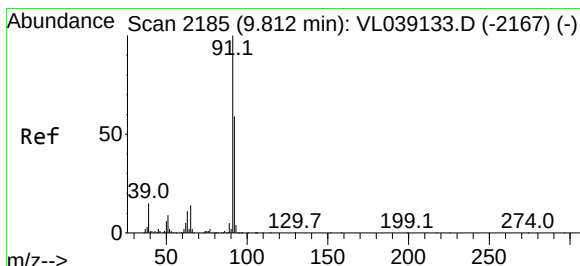
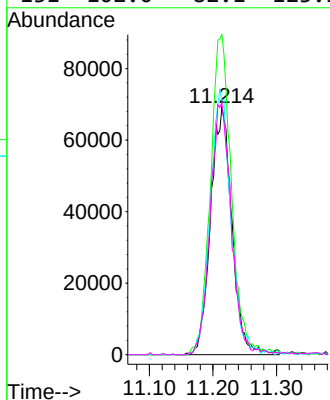
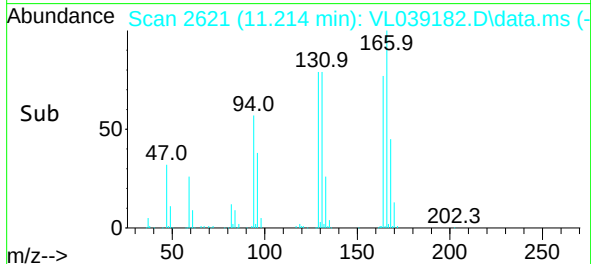
Instrument :
MSVOA_L
ClientSampleId :
SG-11DL



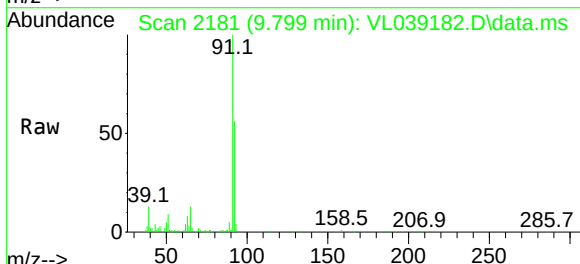
Tgt Ion:164 Resp: 161235
Ion Ratio Lower Upper
164 100
166 129.4 96.3 144.5
129 102.8 82.5 123.7
131 102.0 82.1 123.1

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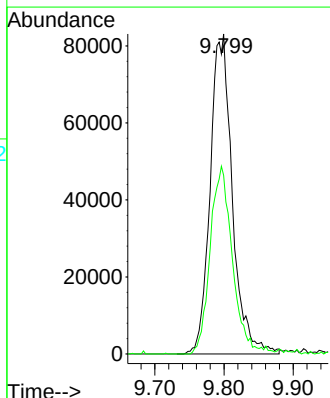
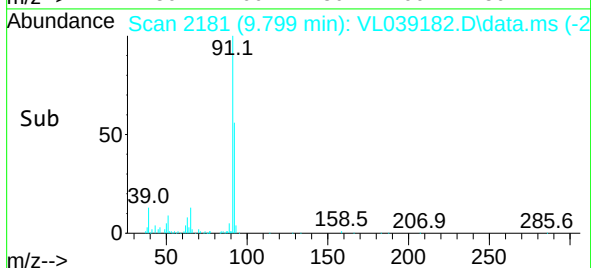
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

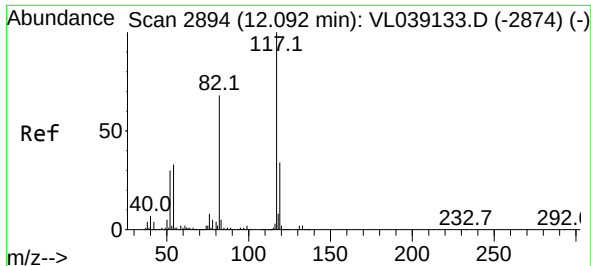


#53
Toluene
Concen: 0.547 ppbv m
RT: 9.799 min Scan# 2181
Delta R.T. -0.013 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16



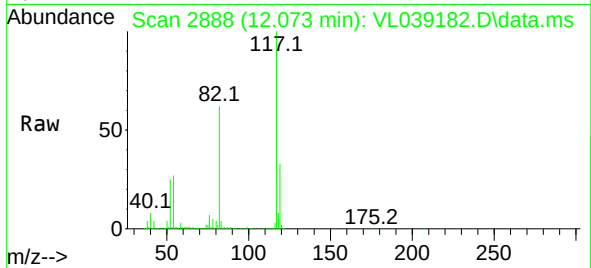
Tgt Ion: 91 Resp: 184686
Ion Ratio Lower Upper
91 100
92 0.0 48.1 72.1#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.073 min Scan# 2888
Delta R.T. -0.019 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

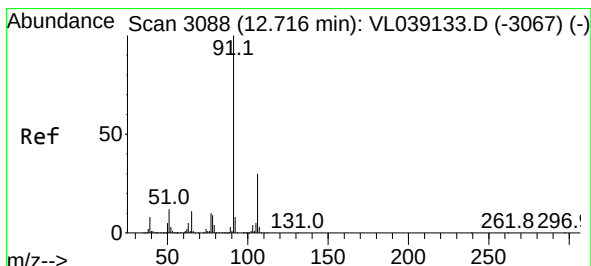
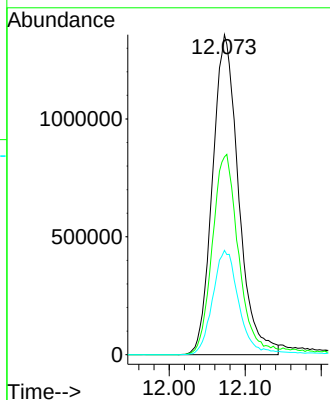
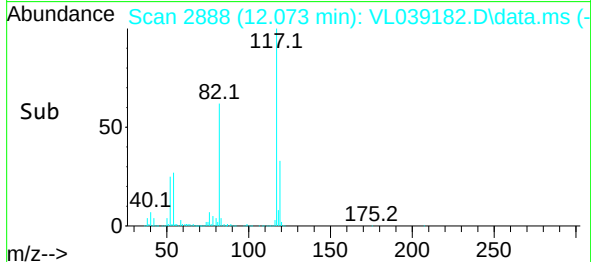
Instrument :
MSVOA_L
ClientSampleId :
SG-11DL



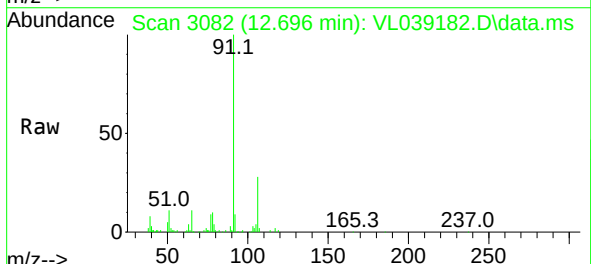
Tgt Ion: 117 Resp: 3234314
Ion Ratio Lower Upper
117 100
82 66.4 55.1 82.7
119 33.6 24.7 37.1

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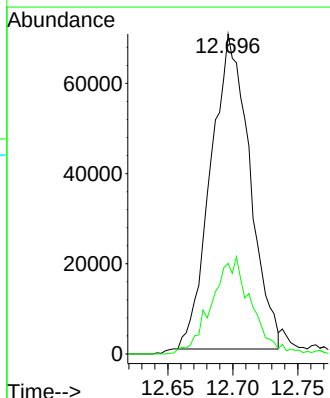
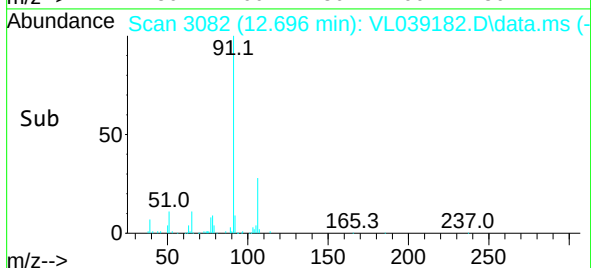
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

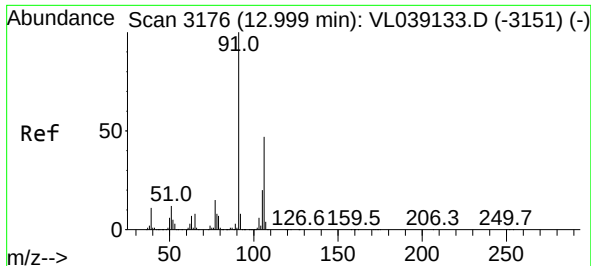


#58
Ethyl Benzene
Concen: 0.327 ppbv
RT: 12.696 min Scan# 3082
Delta R.T. -0.019 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16



Tgt Ion: 91 Resp: 145729
Ion Ratio Lower Upper
91 100
106 27.2 24.2 36.4





#59

m/p-Xylene

Concen: 1.518 ppbv m

RT: 12.954 min Scan# 3176

Delta R.T. -0.045 min

Lab File: VL039182.D

Acq: 6 Jun 2022 12:16

Instrument :

MSVOA_L

ClientSampleId :

SG-11DL

Tgt Ion: 91 Resp: 595460

Ion Ratio Lower Upper

91 100

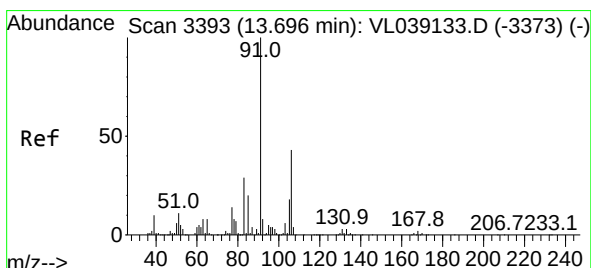
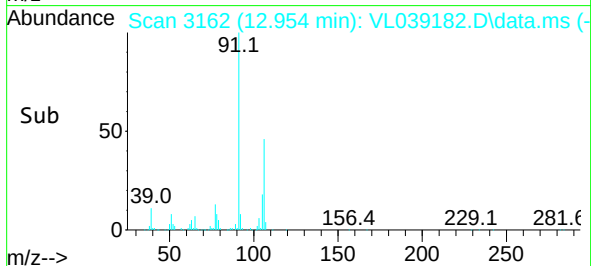
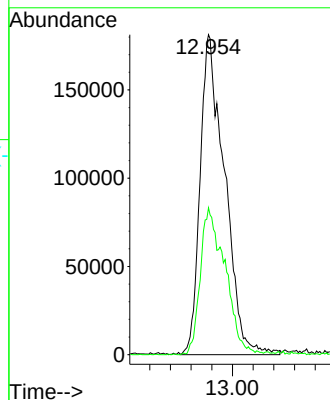
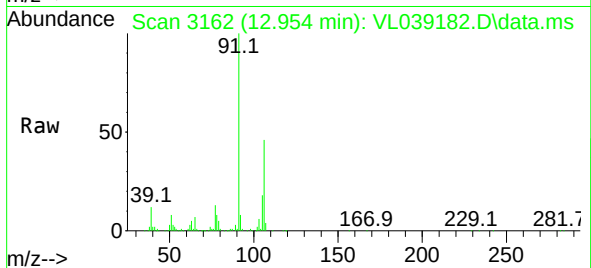
106 0.0 34.3 51.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/07/2022

Supervised By :Mahesh Dadoda 06/07/2022



#60

o-Xylene

Concen: 0.283 ppbv

RT: 13.671 min Scan# 3385

Delta R.T. -0.026 min

Lab File: VL039182.D

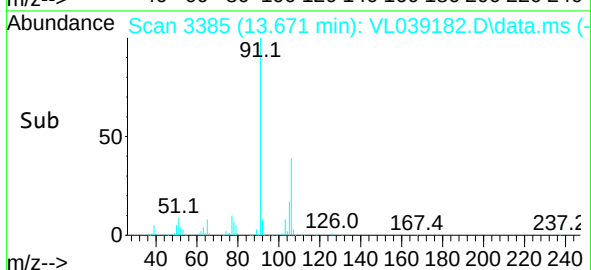
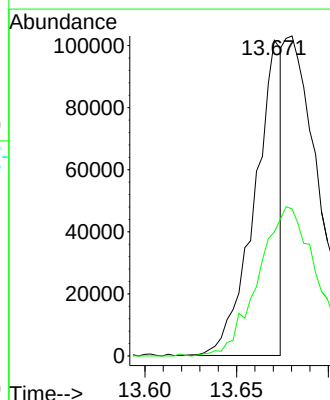
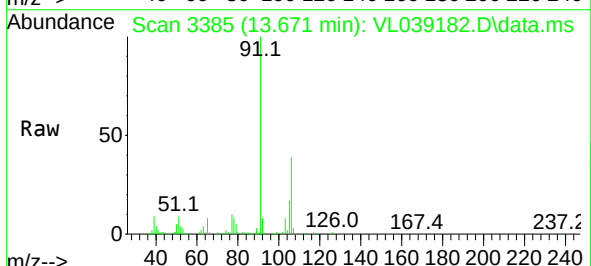
Acq: 6 Jun 2022 12:16

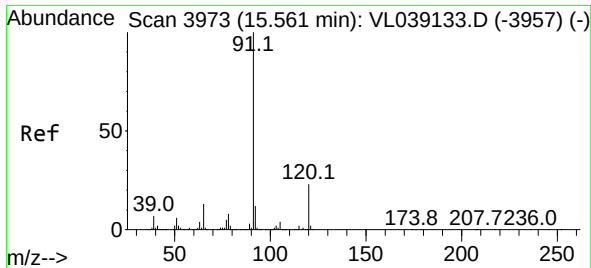
Tgt Ion: 91 Resp: 104507

Ion Ratio Lower Upper

91 100

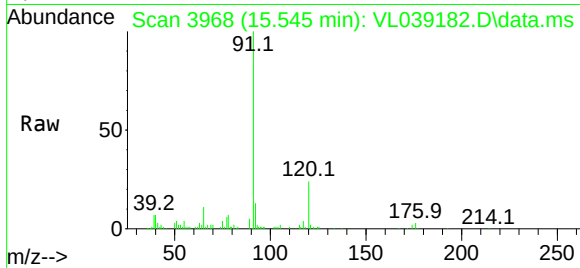
106 0.0 22.3 66.9





#64
n-propylbenzene
Concen: 0.172 ppbv
RT: 15.545 min Scan# 3973
Delta R.T. -0.016 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

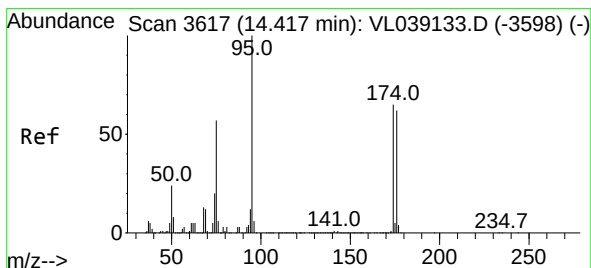
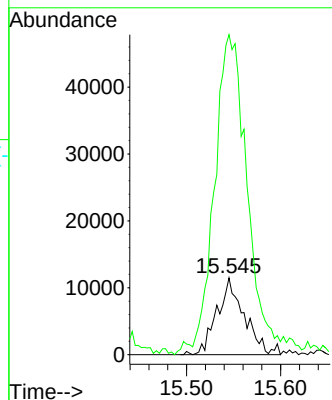
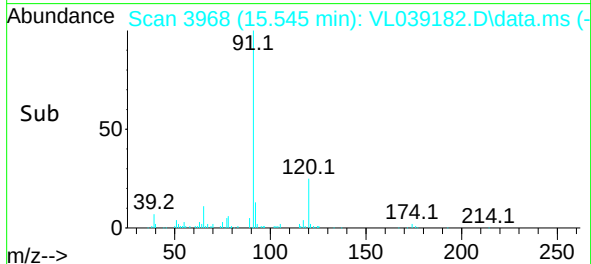
Instrument :
MSVOA_L
ClientSampleId :
SG-11DL



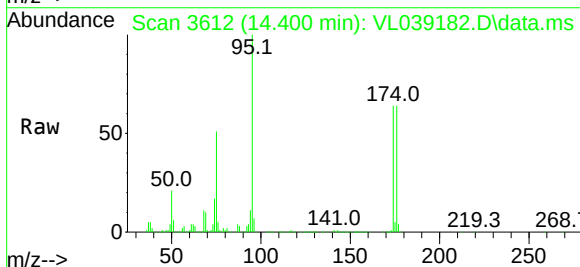
Tgt Ion: 120 Resp: 2316
Ion Ratio Lower Upper
120 100
91 502.1 388.4 582.6

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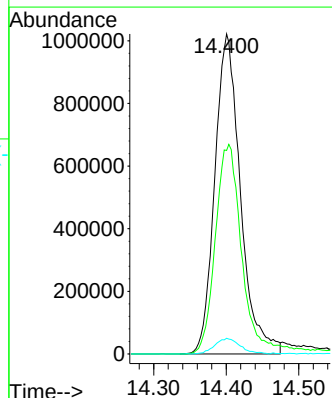
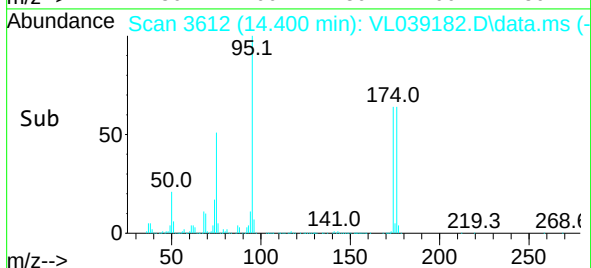
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

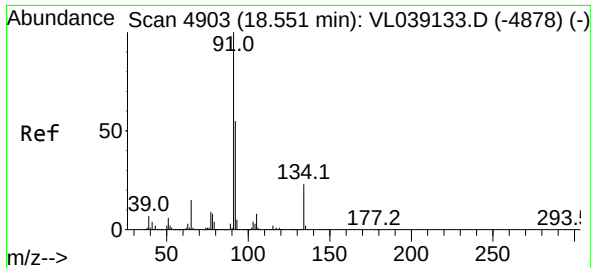


#68
1-Bromo-4-Fluorobenzene
Concen: 9.376 ppbv
RT: 14.400 min Scan# 3612
Delta R.T. -0.016 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16



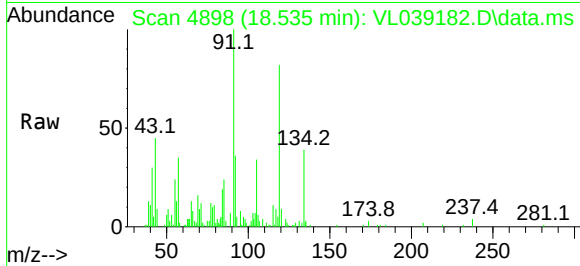
Tgt Ion: 95 Resp: 2507080
Ion Ratio Lower Upper
95 100
174 70.6 53.8 80.8
175 5.1 4.1 6.1





#70
n-Butylbenzene
Concen: 0.100 ppbv m
RT: 18.535 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

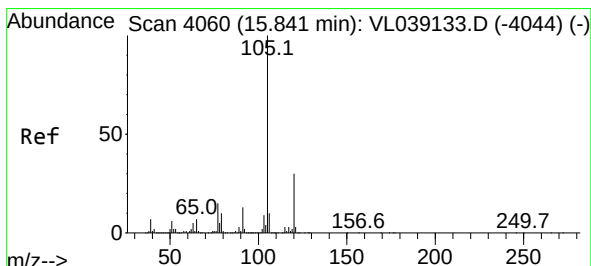
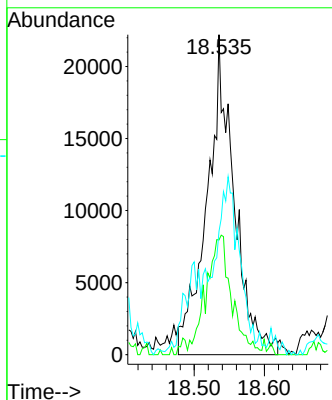
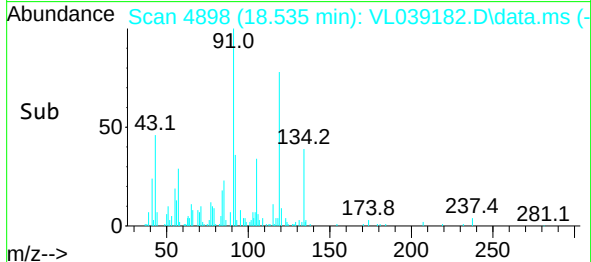
Instrument :
MSVOA_L
ClientSampleId :
SG-11DL



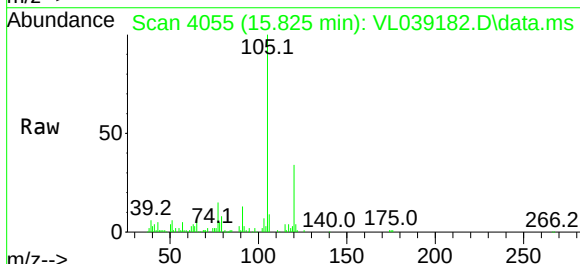
Tgt Ion: 91 Resp: 5901
Ion Ratio Lower Upper
91 100
92 37.8 43.6 65.4
134 0.0 17.7 26.5

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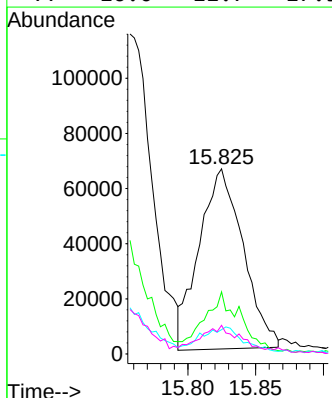
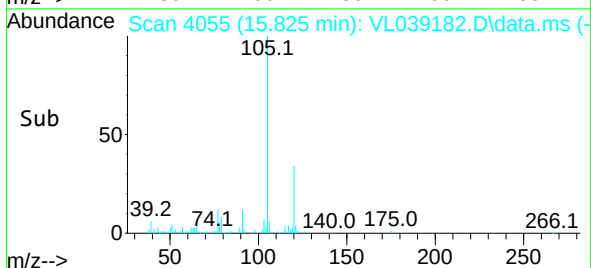
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

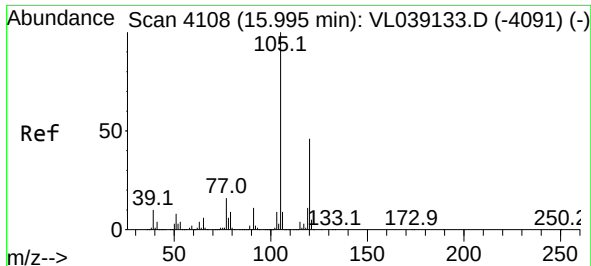


#72
4-Ethyltoluene
Concen: 0.342 ppbv
RT: 15.825 min Scan# 4055
Delta R.T. -0.016 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16



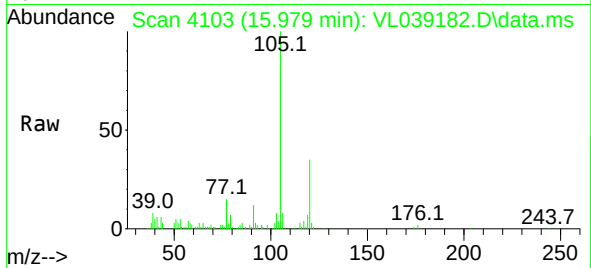
Tgt Ion:105 Resp: 147563
Ion Ratio Lower Upper
105 100
120 31.5 23.9 35.9
91 13.7 10.6 16.0
77 16.0 11.7 17.5





#73
 1,3,5-Trimethylbenzene
 Concen: 0.308 ppbv
 RT: 15.979 min Scan# 4108
 Delta R.T. -0.016 min
 Lab File: VL039182.D
 Acq: 6 Jun 2022 12:16

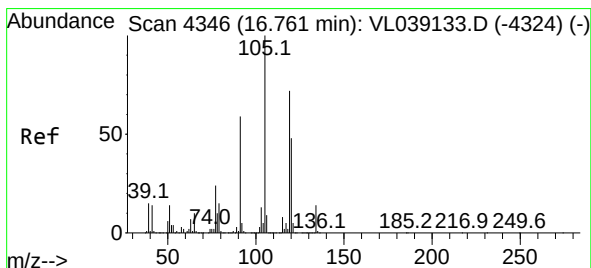
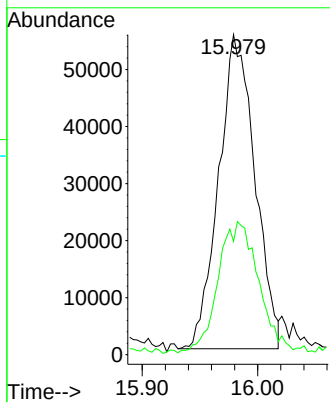
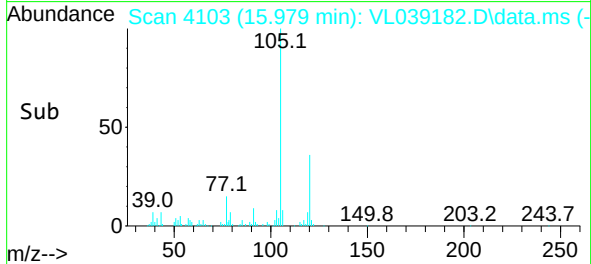
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-11DL



Tgt Ion:105 Resp: 12002
 Ion Ratio Lower Upper
 105 100
 120 35.5 36.7 55.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/07/2022
 Supervised By :Mahesh Dadoda 06/07/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 1.102 ppbv
 RT: 16.744 min Scan# 4341
 Delta R.T. -0.016 min
 Lab File: VL039182.D
 Acq: 6 Jun 2022 12:16

Tgt Ion:105 Resp: 479231
 Ion Ratio Lower Upper
 105 100
 120 41.5 38.1 57.1
 91 10.8 47.4 71.0#
 77 14.8 19.5 29.3#

