

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052522\
 Data File : VL039127.D
 Acq On : 26 May 2022 9:25
 Operator : SY/AP
 Sample : N2957-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2022
 Supervised By :Mahesh Dadoda 05/27/2022

Quant Time: May 27 04:27:29 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 27 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.642	49	1024602	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.147	114	2236873	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.050	117	1988476	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.378 95 1623764 10.311 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.037	85	29524m	0.184	ppbv	
9) Propene	3.002	41	32604m	0.587	ppbv	
10) Heptane	8.086	43	13562m	0.100	ppbv	
13) Ethanol	3.597	45	20154	5.129	ppbv	98
15) Acetone	3.832	43	411303	4.256	ppbv	96
19) Isopropyl Alcohol	3.960	45	10170m	0.221	ppbv	
20) Methylene Chloride	4.327	84	97565	2.678	ppbv	96
26) Hexane	5.661	57	77246	0.752	ppbv #	39
27) Carbon Disulfide	4.526	76	13633m	0.140	ppbv	
29) Chloroform	5.725	83	62166	0.374	ppbv	90
34) 2-Butanone	5.234	43	61665m	0.540	ppbv	
36) Benzene	6.864	78	27357	0.143	ppbv #	92
38) Trichloroethene	7.803	130	5740m	0.067	ppbv	
52) Tetrachloroethene	11.195	164	53231m	0.778	ppbv	
53) Toluene	9.774	91	137403m	0.640	ppbv	
57) Chlorobenzene	12.111	112	15796m	0.106	ppbv	
58) Ethyl Benzene	12.677	91	34464m	0.120	ppbv	
59) m/p-Xylene	12.931	91	106094m	0.434	ppbv	
60) o-Xylene	13.658	91	42700m	0.186	ppbv	
74) 1,2,4-Trimethylbenzene	16.731	105	65049m	0.252	ppbv	

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

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Manual Integrations
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Supervised By : Mahesh Dadoda 05/27/2022

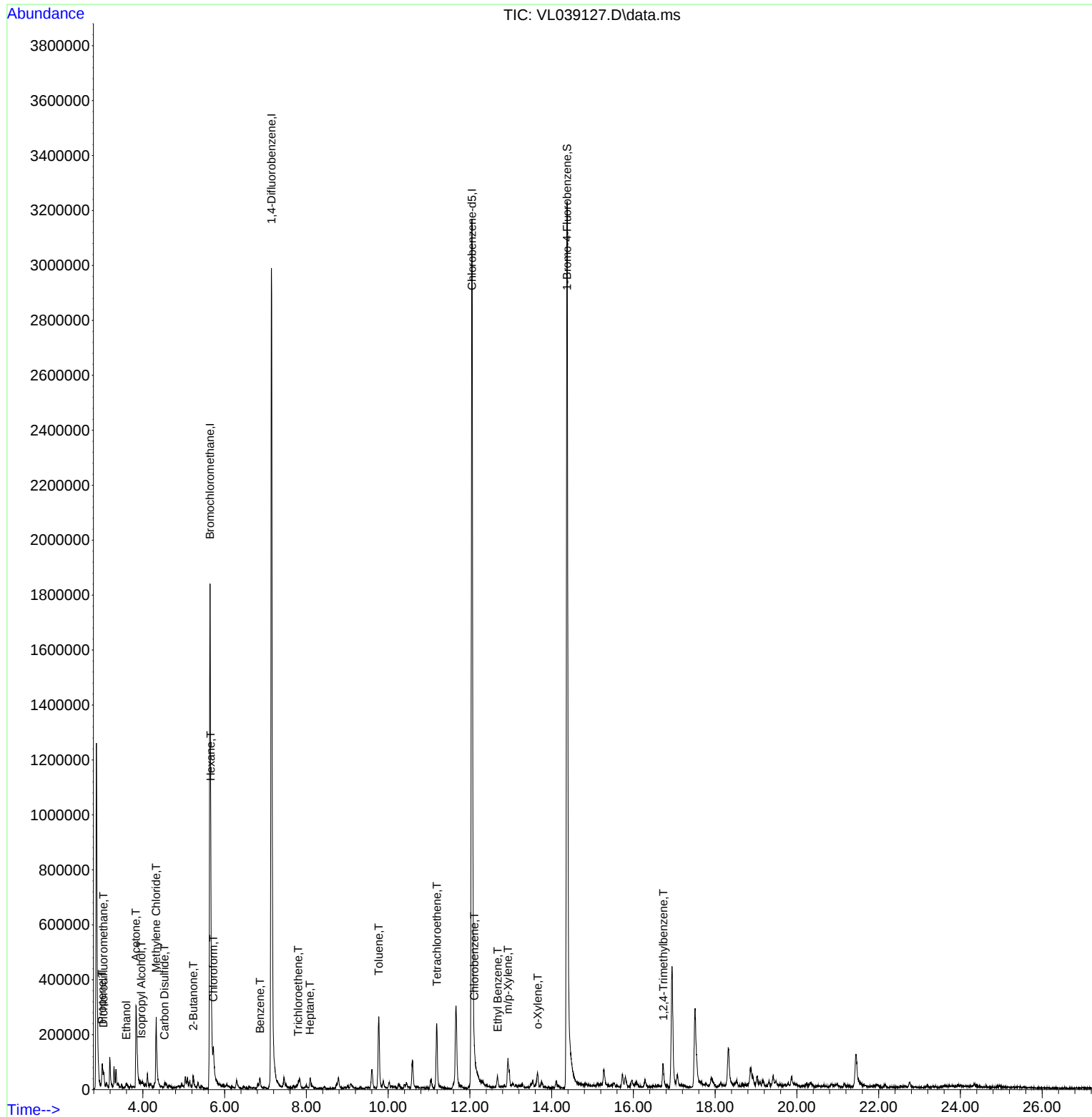
Quant Time: May 27 04:27:29 2022

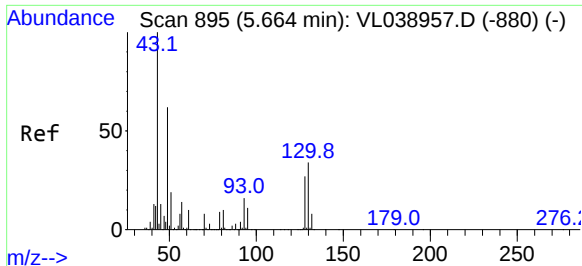
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May

QLast Update : Thu May 05 10:12:15 2022

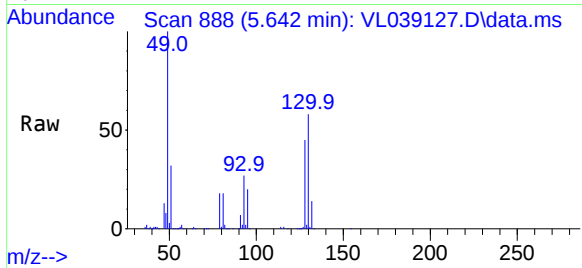
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.642 min Scan# 81
Delta R.T. -0.023 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

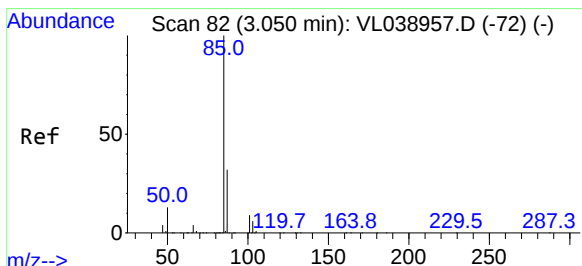
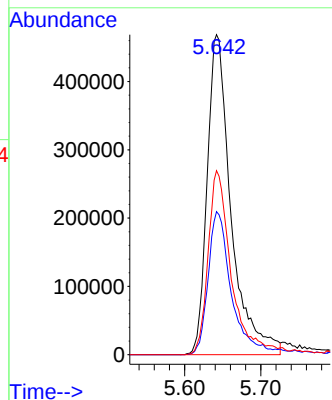
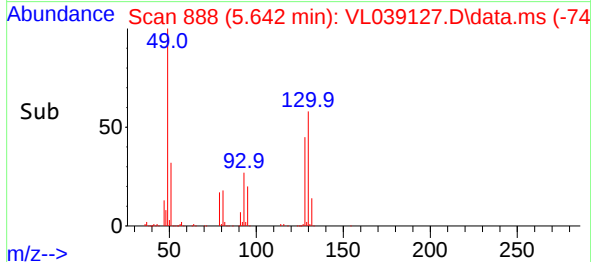
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 49 Resp: 102460
Ion Ratio Lower Upper
49 100
128 45.5 23.3 69.8
130 58.7 29.8 89.3

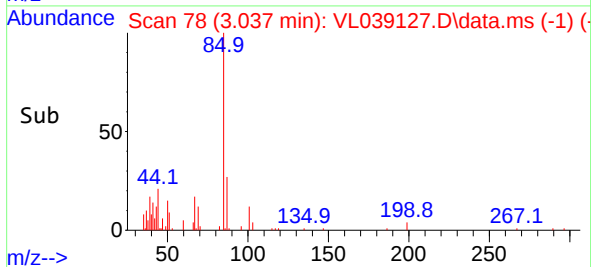
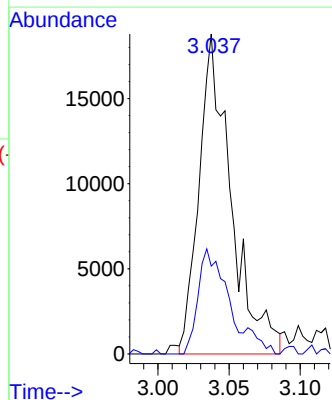
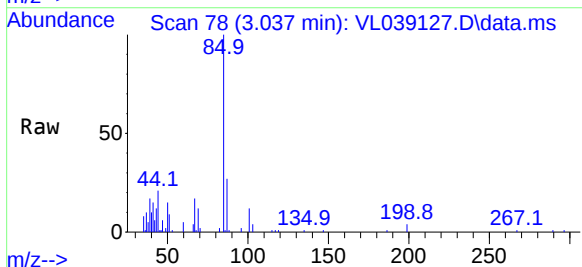
Manual Integrations
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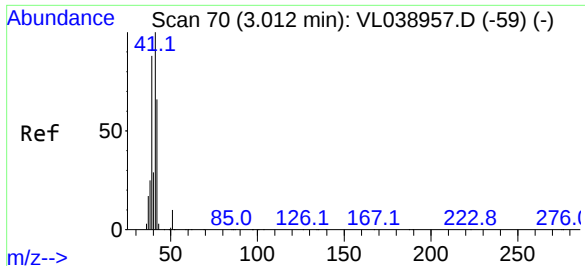
Reviewed By :Semsettin Yesilyurt 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#2
Dichlorodifluoromethane
Concen: 0.184 ppbv m
RT: 3.037 min Scan# 78
Delta R.T. -0.013 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 85 Resp: 29524
Ion Ratio Lower Upper
85 100
87 27.4 25.7 38.5





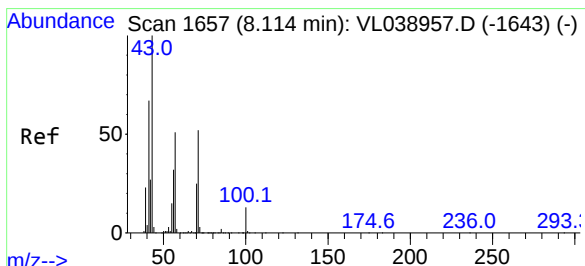
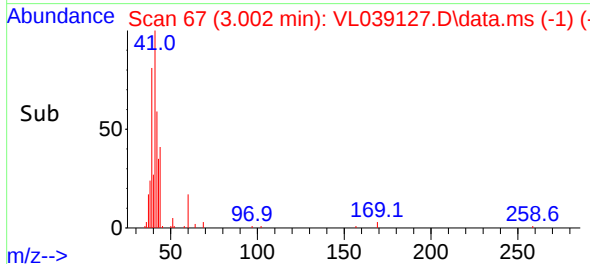
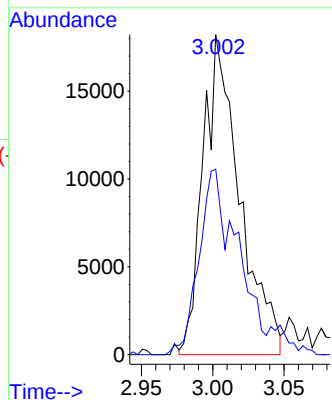
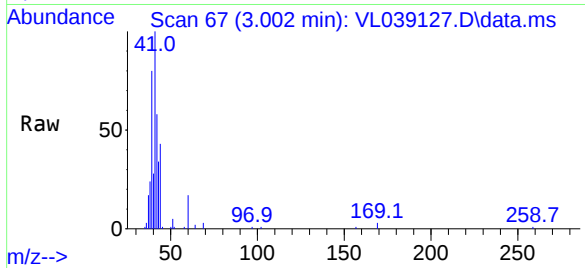
#9
Propene
Concen: 0.587 ppbv m
RT: 3.002 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 41 Resp: 32604
Ion Ratio Lower Upper
41 100
42 3.1 58.3 87.5

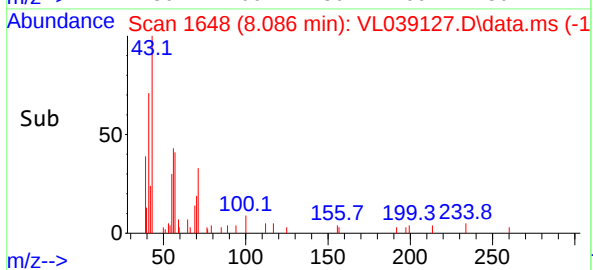
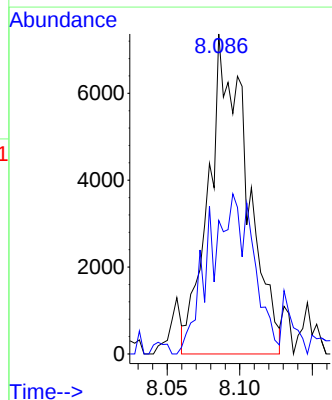
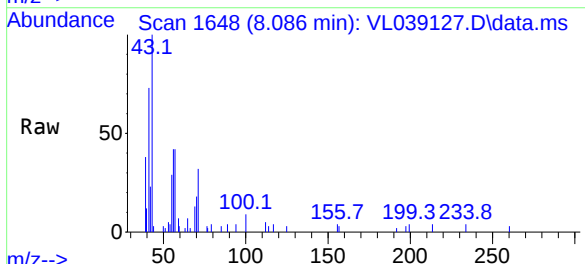
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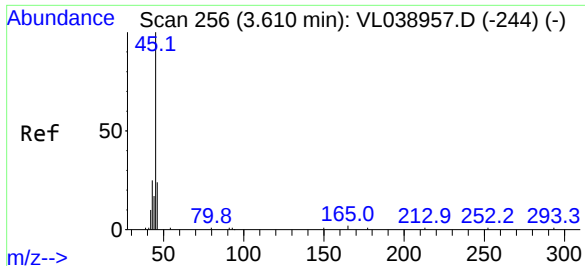
Reviewed By :Semsettin Yesilyurt 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#10
Heptane
Concen: 0.100 ppbv m
RT: 8.086 min Scan# 1648
Delta R.T. -0.029 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

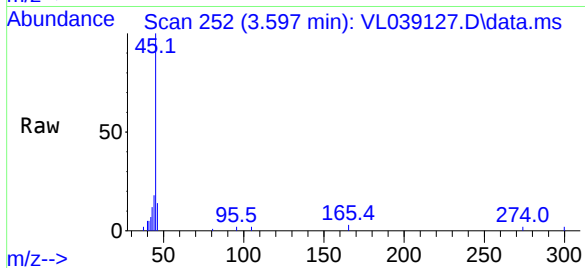
Tgt Ion: 43 Resp: 13562
Ion Ratio Lower Upper
43 100
57 0.0 40.5 60.7





#13
Ethanol
Concen: 5.129 ppbv
RT: 3.597 min Scan# 215
Delta R.T. -0.013 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

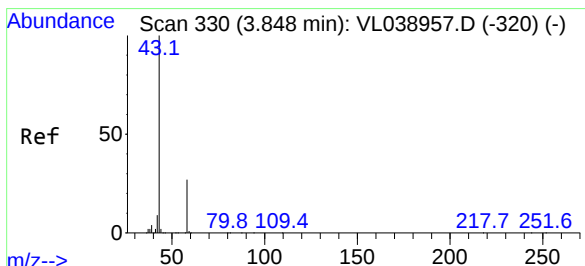
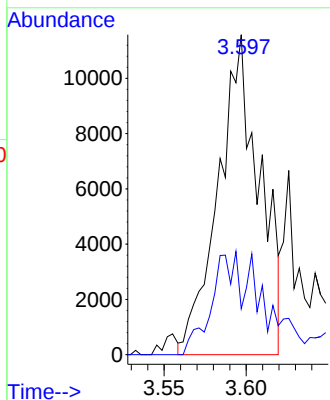
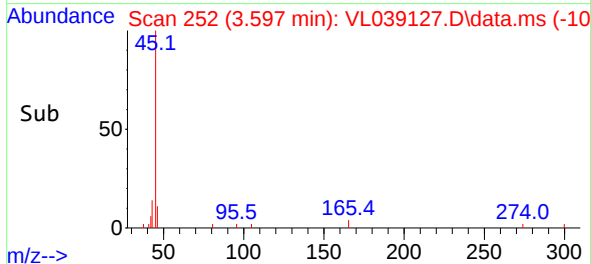
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



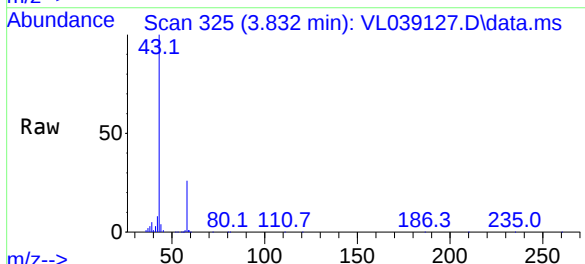
Tgt Ion: 45 Resp: 20154
Ion Ratio Lower Upper
45 100
46 43.8 18.0 72.2

Manual Integrations
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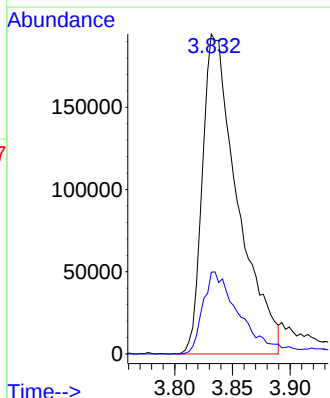
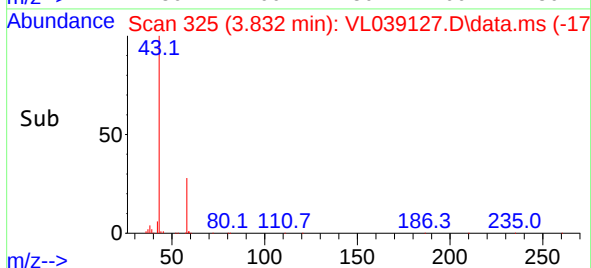
Reviewed By :Semsettin Yesilyurt 05/27/2022
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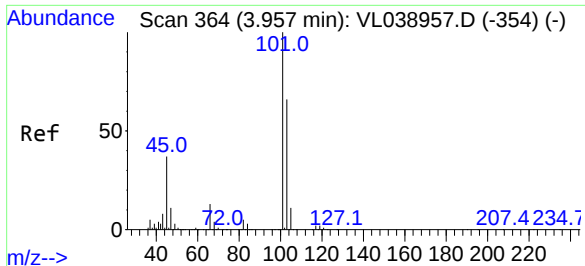


#15
Acetone
Concen: 4.256 ppbv
RT: 3.832 min Scan# 325
Delta R.T. -0.016 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25



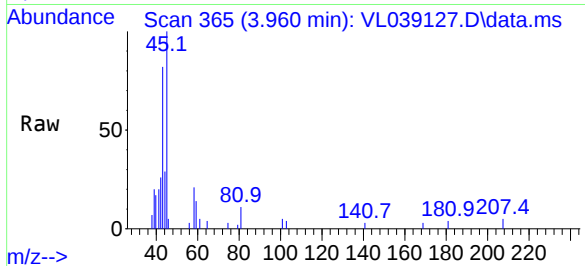
Tgt Ion: 43 Resp: 411303
Ion Ratio Lower Upper
43 100
58 28.9 21.3 31.9





#19
Isopropyl Alcohol
Concen: 0.221 ppbv m
RT: 3.960 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

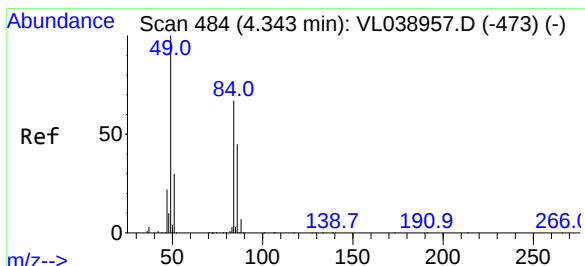
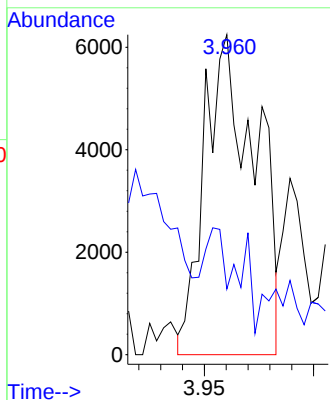
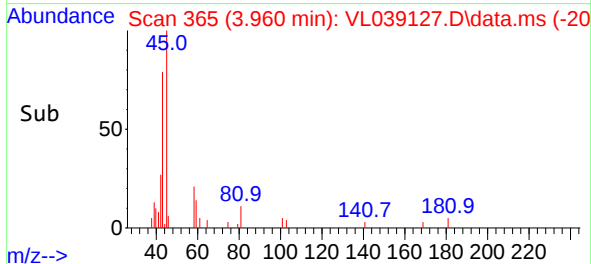
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



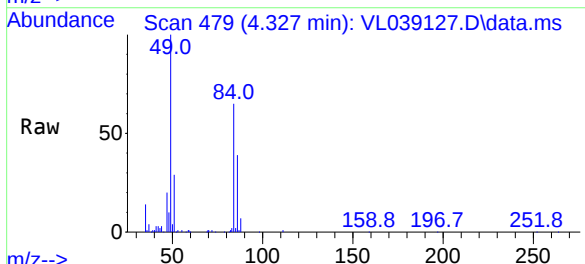
Tgt Ion: 45 Resp: 10170
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

Manual Integrations
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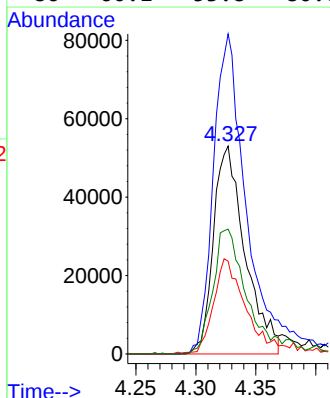
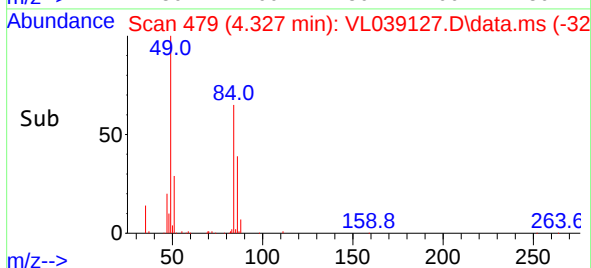
Reviewed By :Semsettin Yesilyurt 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

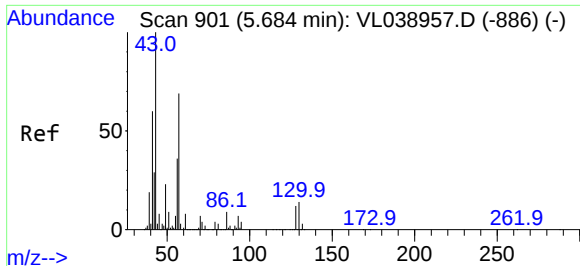


#20
Methylene Chloride
Concen: 2.678 ppbv
RT: 4.327 min Scan# 479
Delta R.T. -0.016 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25



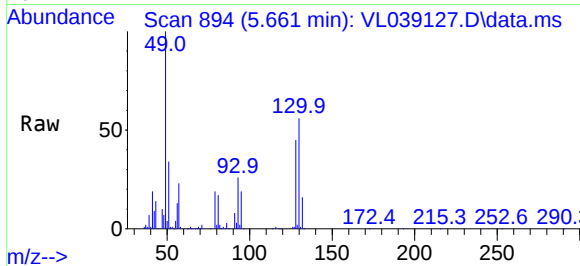
Tgt Ion: 84 Resp: 97565
Ion Ratio Lower Upper
84 100
49 154.0 119.9 179.9
51 43.4 35.7 53.5
86 60.1 53.8 80.6





#26
Hexane
Concen: 0.752 ppbv
RT: 5.661 min Scan# 894
Delta R.T. -0.023 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

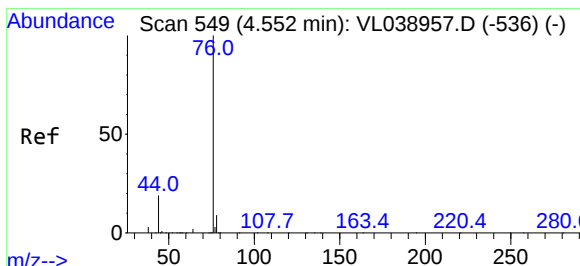
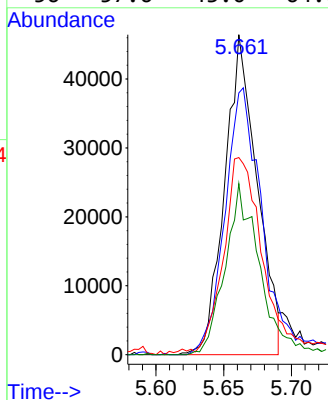
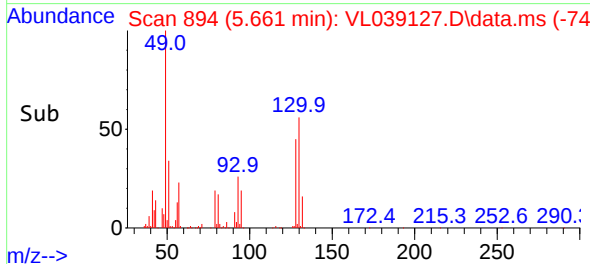
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



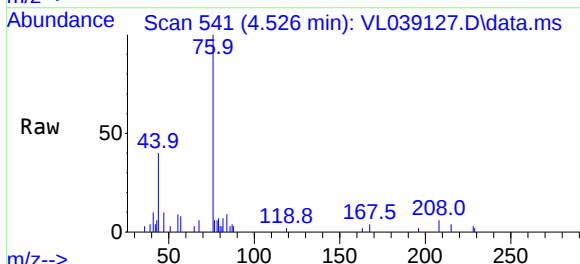
Tgt Ion: 57 Resp: 77240
Ion Ratio Lower Upper
57 100
41 98.6 75.2 112.8
43 77.5 190.8 286.2
56 57.6 43.0 64.6

Manual Integrations
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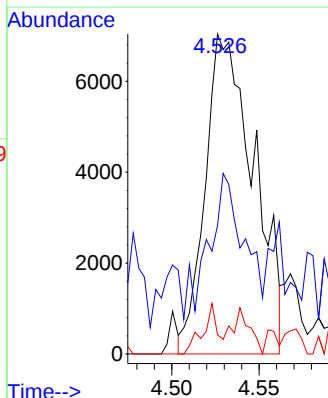
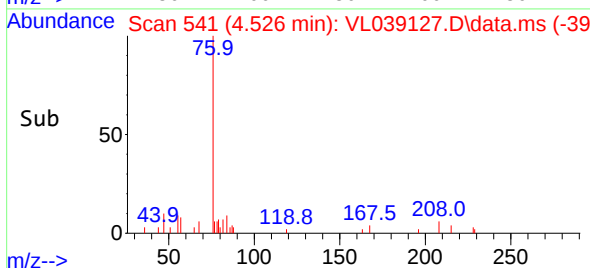
Reviewed By :Semsettin Yesilyurt 05/27/2022
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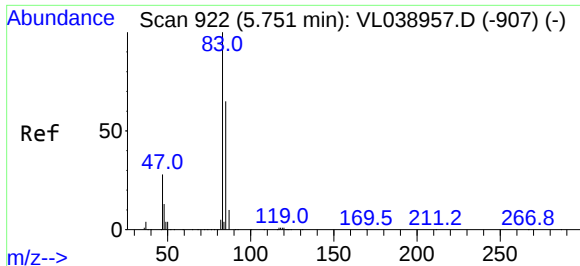


#27
Carbon Disulfide
Concen: 0.140 ppbv m
RT: 4.526 min Scan# 541
Delta R.T. -0.026 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25



Tgt Ion: 76 Resp: 13633
Ion Ratio Lower Upper
76 100
44 47.7 15.3 22.9#
78 16.9 8.2 12.2#





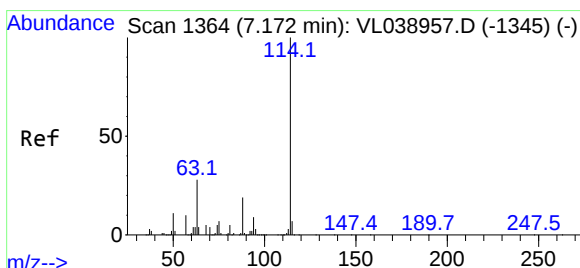
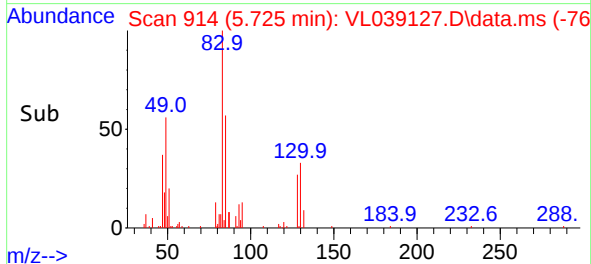
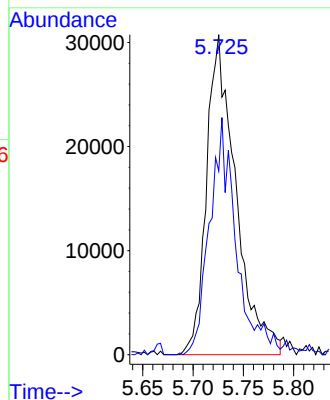
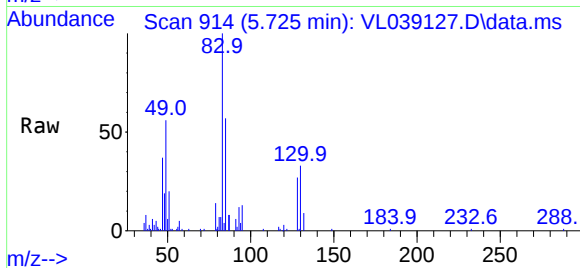
#29
Chloroform
Concen: 0.374 ppbv
RT: 5.725 min Scan# 914
Delta R.T. -0.026 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 83 Resp: 62160
Ion Ratio Lower Upper
83 100
85 56.9 51.8 77.6

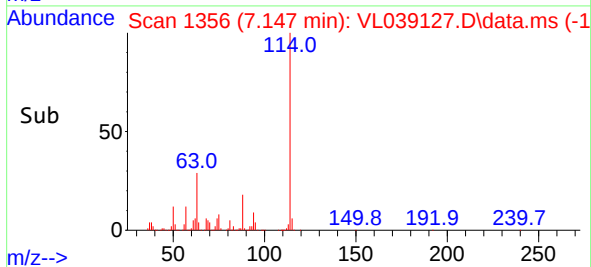
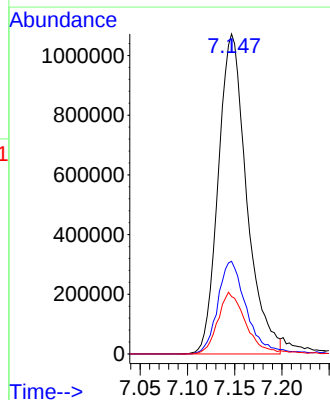
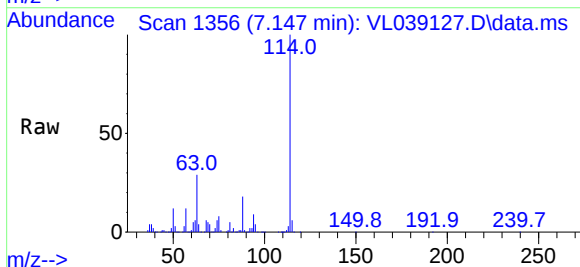
Manual Integrations
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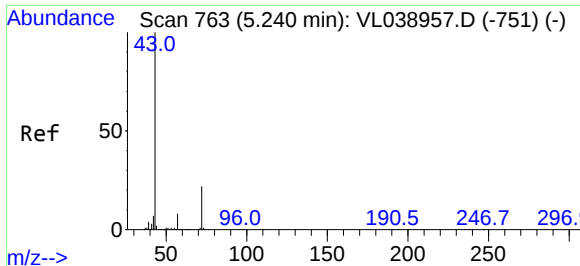
Reviewed By :Semsettin Yesilyurt 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.147 min Scan# 1356
Delta R.T. -0.026 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

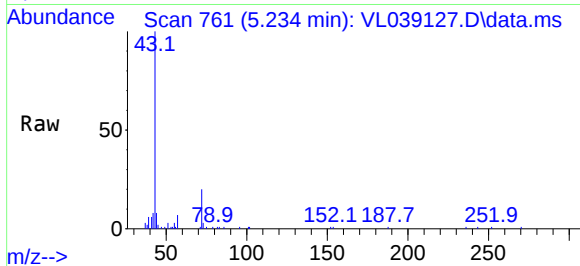
Tgt Ion:114 Resp: 2236873
Ion Ratio Lower Upper
114 100
63 30.1 22.6 33.8
88 19.7 15.4 23.0





#34
2-Butanone
Concen: 0.540 ppbv m
RT: 5.234 min Scan# 71
Delta R.T. -0.006 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

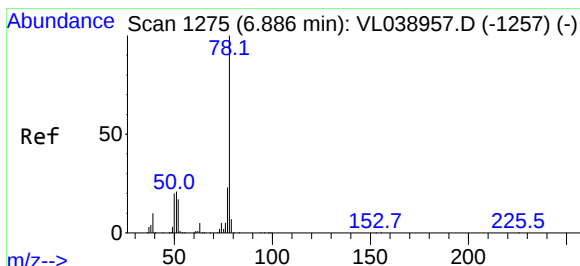
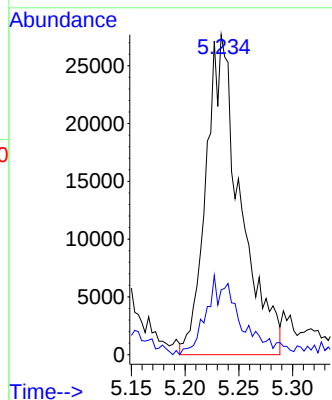
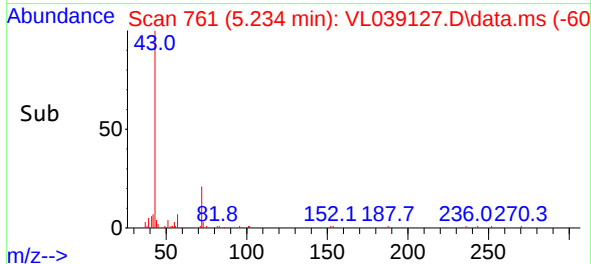
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VP-1DL



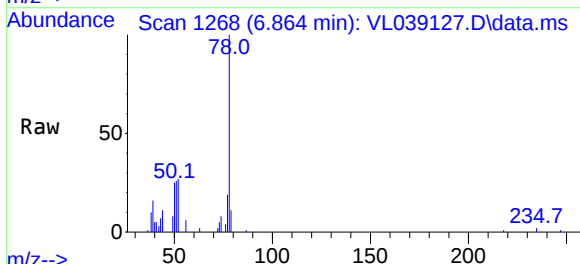
Tgt Ion: 43 Resp: 6166
Ion Ratio Lower Upper
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72 24.6 17.8 26.6

Manual Integrations
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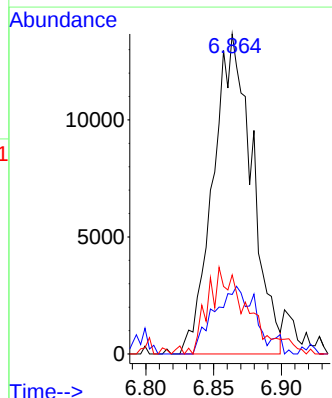
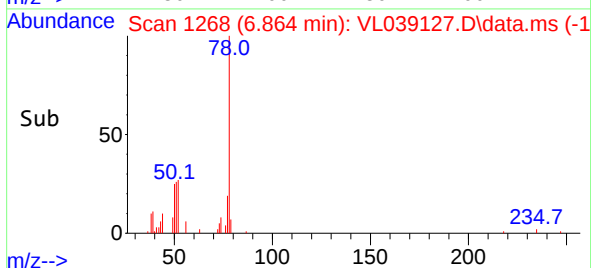
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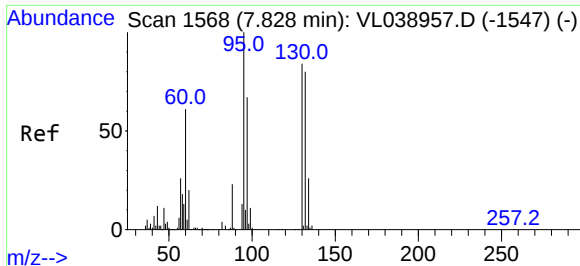


#36
Benzene
Concen: 0.143 ppbv
RT: 6.864 min Scan# 1268
Delta R.T. -0.023 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25



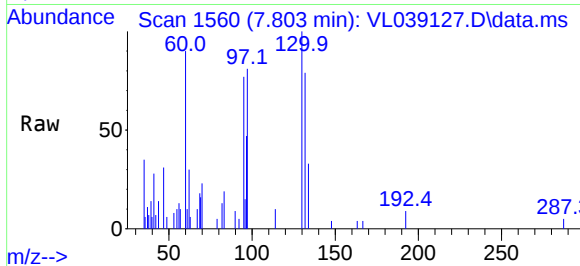
Tgt Ion: 78 Resp: 27357
Ion Ratio Lower Upper
78 100
77 18.6 18.6 28.0#
50 22.2 15.6 23.4





#38
Trichloroethene
Concen: 0.067 ppbv m
RT: 7.803 min Scan# 1560
Delta R.T. -0.026 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

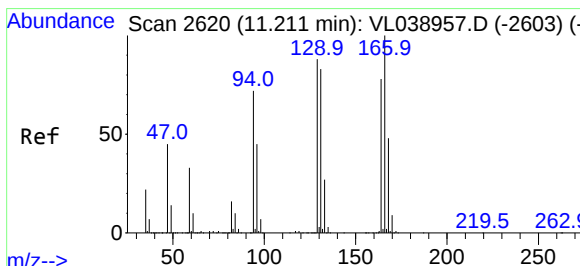
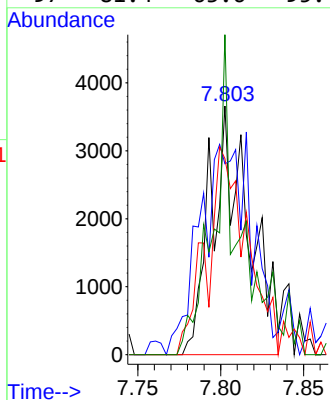
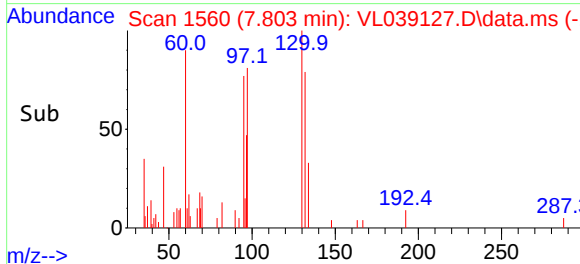
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



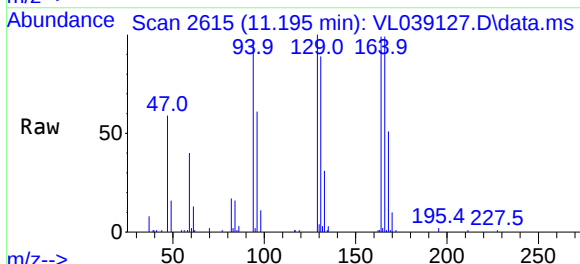
Tgt Ion	Ratio	Lower	Upper
130	100		
95	76.8	94.8	142.2
132	78.9	75.8	113.8
97	81.4	63.6	95.4

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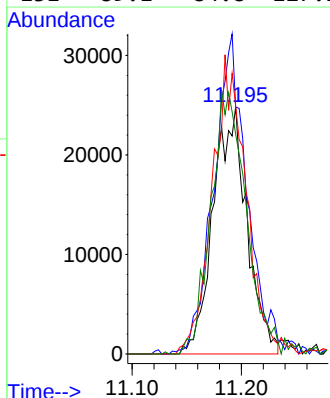
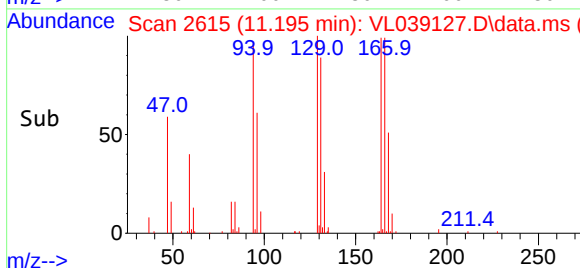
Reviewed By :Semsettin Yesilyurt 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

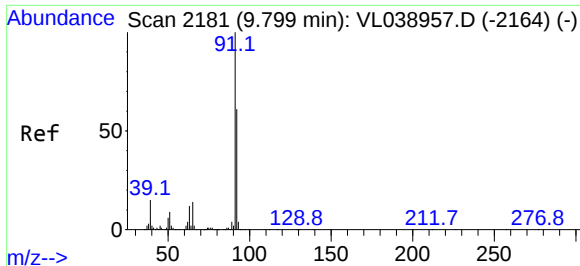


#52
Tetrachloroethene
Concen: 0.778 ppbv m
RT: 11.195 min Scan# 2615
Delta R.T. -0.016 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25



Tgt Ion	Ratio	Lower	Upper
164	100		
166	100.0	102.5	153.7
129	100.5	90.1	135.1
131	89.1	84.8	127.2





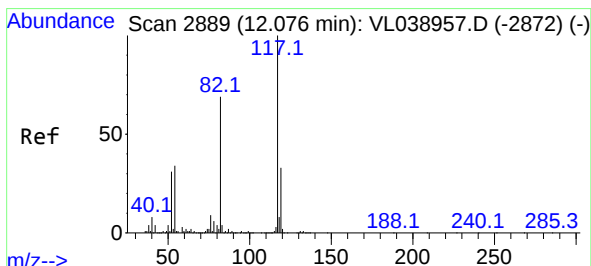
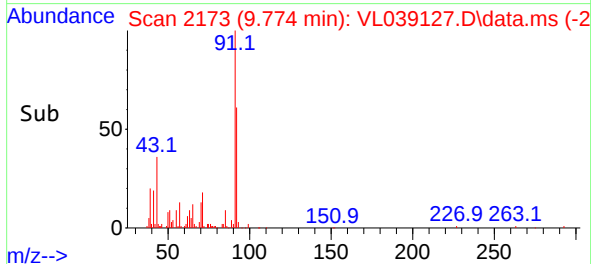
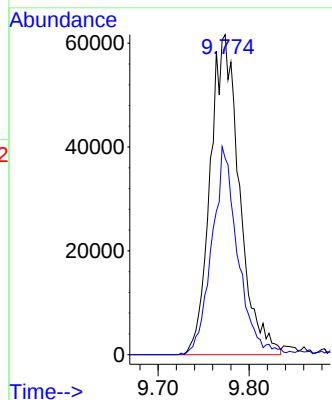
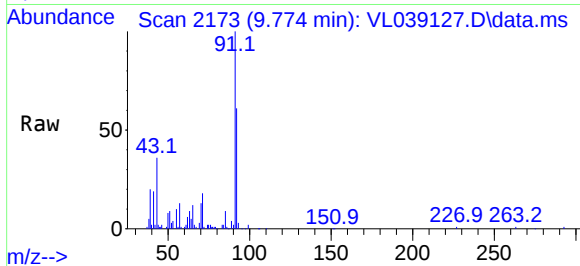
#53
Toluene
Concen: 0.640 ppbv m
RT: 9.774 min Scan# 2181
Delta R.T. -0.026 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 91 Resp: 13740
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2

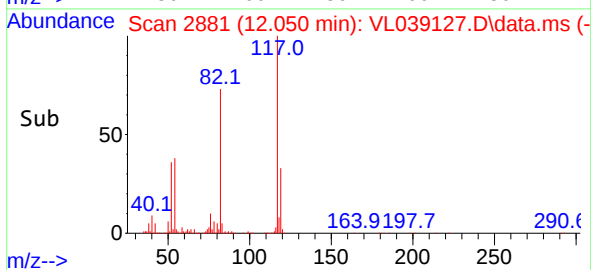
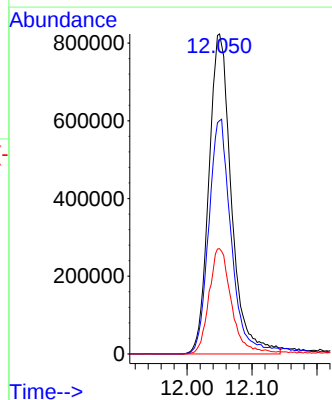
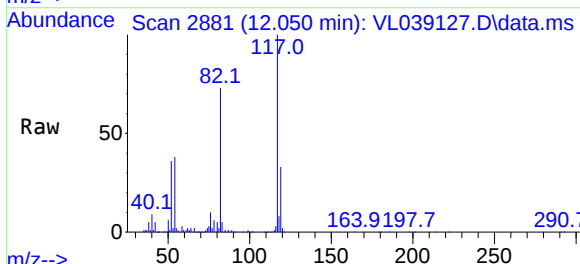
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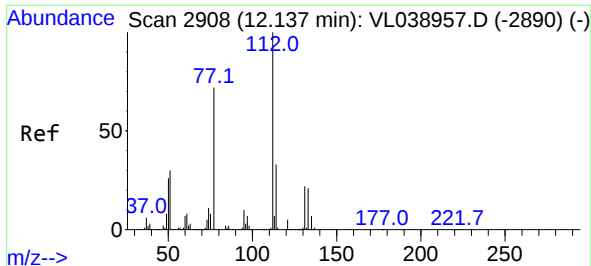
Reviewed By :Semsettin Yesilyurt 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.050 min Scan# 2881
Delta R.T. -0.026 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion:117 Resp: 1988476
Ion Ratio Lower Upper
117 100
82 74.8 57.0 85.6
119 33.4 27.2 40.8





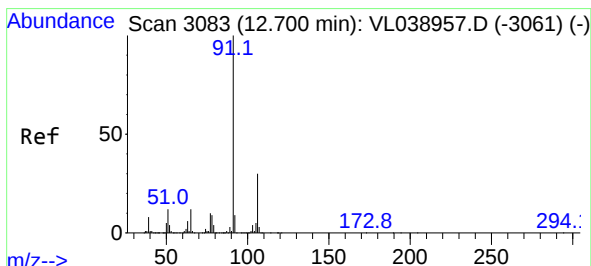
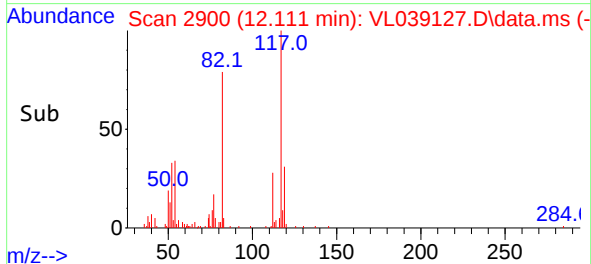
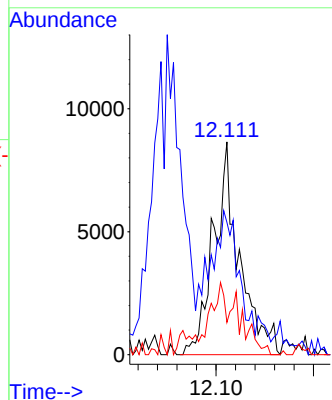
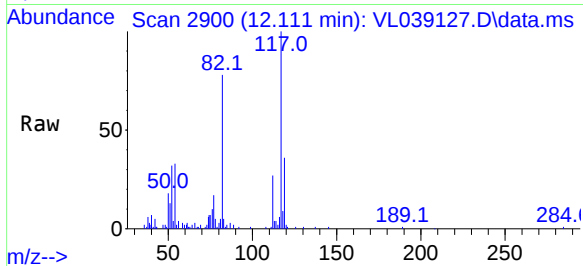
#57
Chlorobenzene
Concen: 0.106 ppbv m
RT: 12.111 min Scan# 2908
Delta R.T. -0.026 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 112 Resp: 15790
Ion Ratio Lower Upper
112 100
77 62.2 57.7 86.5
114 15.2 30.1 36.7

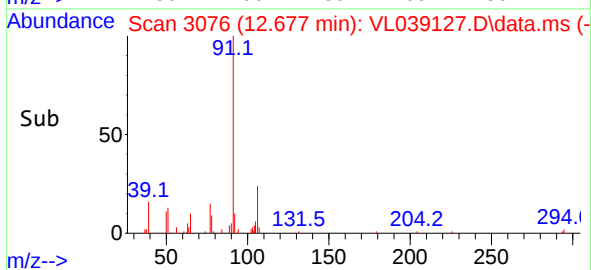
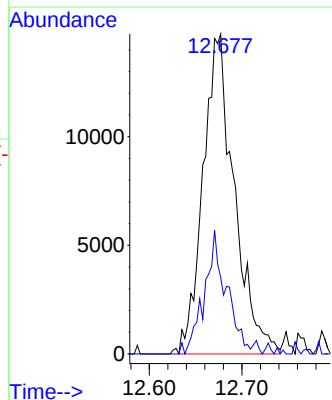
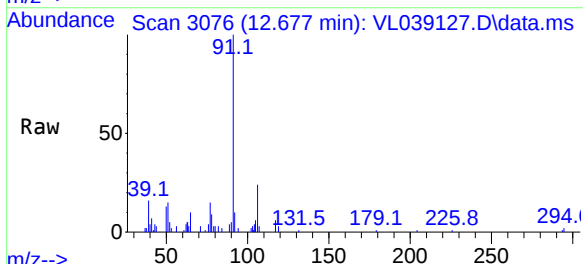
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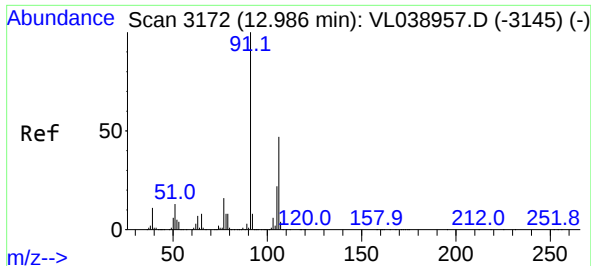
Reviewed By :Semsettin Yesilyurt 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#58
Ethyl Benzene
Concen: 0.120 ppbv m
RT: 12.677 min Scan# 3076
Delta R.T. -0.023 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 91 Resp: 34464
Ion Ratio Lower Upper
91 100
106 24.0 24.2 36.4





#59

m/p-Xylene

Concen: 0.434 ppbv m

RT: 12.931 min Scan# 3172

Delta R.T. -0.055 min

Lab File: VL039127.D

Acq: 26 May 2022 9:25

Instrument :

MSVOA_L

ClientSampleId :

VP-1DL

Tgt Ion: 91 Resp: 106094

Ion Ratio Lower Upper

91 100

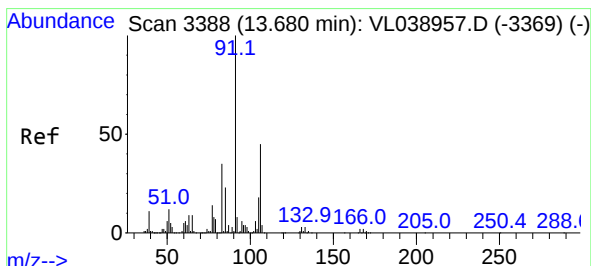
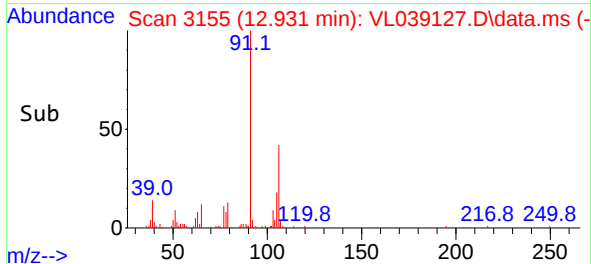
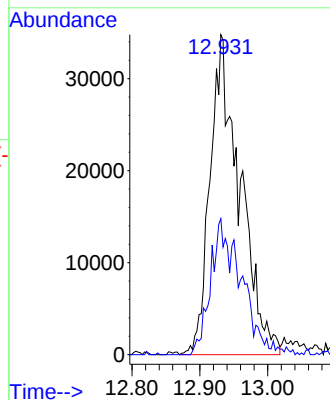
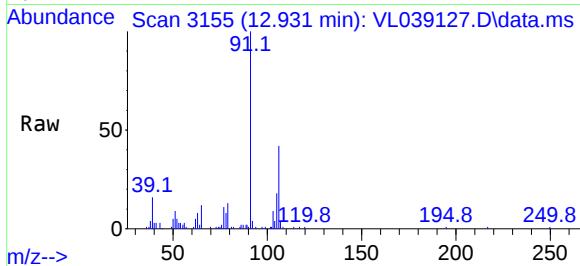
106 0.0 34.6 52.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/27/2022

Supervised By :Mahesh Dadoda 05/27/2022



#60

o-Xylene

Concen: 0.186 ppbv m

RT: 13.658 min Scan# 3381

Delta R.T. -0.023 min

Lab File: VL039127.D

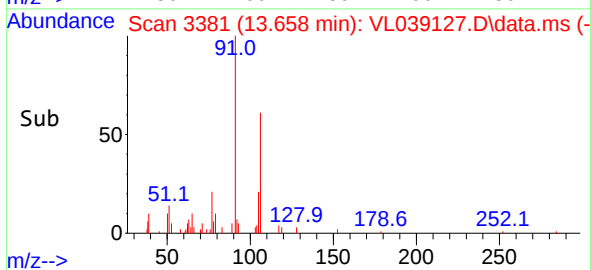
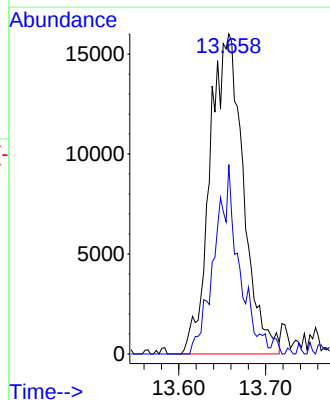
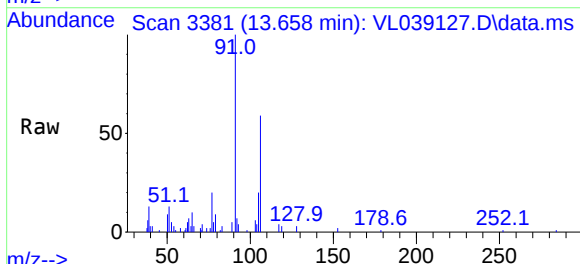
Acq: 26 May 2022 9:25

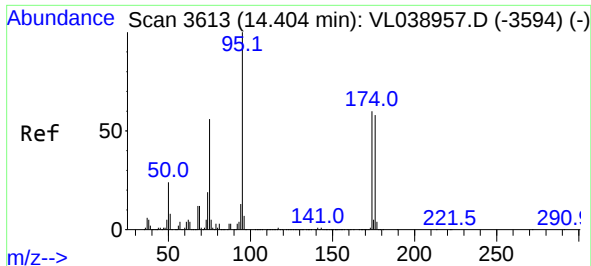
Tgt Ion: 91 Resp: 42700

Ion Ratio Lower Upper

91 100

106 0.0 22.2 66.6





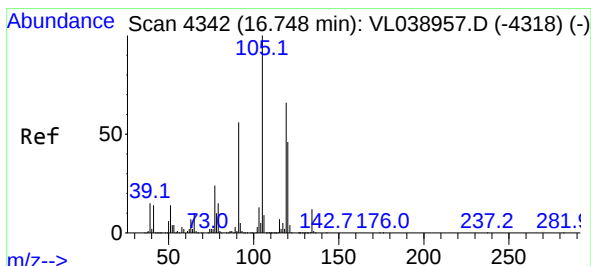
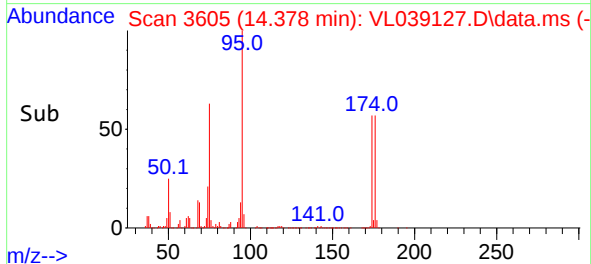
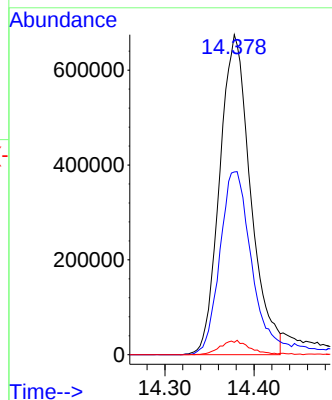
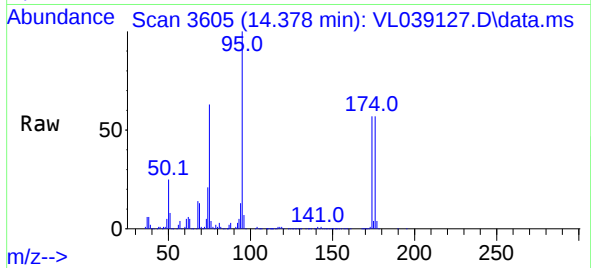
#68
1-Bromo-4-Fluorobenzene
Concen: 10.311 ppbv
RT: 14.378 min Scan# 30
Delta R.T. -0.026 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 95 Resp: 162376
Ion Ratio Lower Upper
95 100
174 64.1 50.8 76.2
175 4.6 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.252 ppbv m
RT: 16.731 min Scan# 4337
Delta R.T. -0.016 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion:105 Resp: 65049
Ion Ratio Lower Upper
105 100
120 34.6 36.9 55.3#
91 11.5 45.0 67.4#
77 16.3 19.2 28.8#

