

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
 Data File : VL038427.D
 Acq On : 24 Feb 2022 3:58
 Operator : SY/AP
 Sample : N1605-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/25/2022

Quant Time: Feb 24 07:34:54 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.642	49	806892	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.147	114	1909218	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.050	117	1664275	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.378	95	1280014	9.295	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.034	85	36000	0.282	ppbv	94
3) Chlorodifluoromethane	2.976	51	44294	0.311	ppbv #	87
4) Chloromethane	3.124	50	28111	0.568	ppbv	96
9) Propene	3.009	41	119339	2.537	ppbv #	65
10) Heptane	8.092	43	29432m	0.257	ppbv	
11) Trichlorofluoromethane	3.931	101	24132	0.197	ppbv	88
13) Ethanol	3.594	45	4220003	898.840	ppbv	89
15) Acetone	3.832	43	435918	6.353	ppbv #	79
17) tert-Butyl alcohol	4.288	59	26910m	0.393	ppbv	
19) Isopropyl Alcohol	3.954	45	10681713	268.824	ppbv #	96
20) Methylene Chloride	4.327	84	85786	2.523	ppbv	93
26) Hexane	5.661	57	441190	5.285	ppbv #	46
29) Chloroform	5.722	83	43520	0.319	ppbv	100
30) Cyclohexane	7.098	84	13314m	0.195	ppbv	
34) 2-Butanone	5.217	43	121347m	2.021	ppbv	
35) Carbon Tetrachloride	6.989	117	8208m	0.061	ppbv	
36) Benzene	6.860	78	100119	0.596	ppbv	98
44) 2,2,4-Trimethylpentane	7.841	57	68462	0.237	ppbv #	77
50) 4-Methyl-2-Pentanone	8.725	43	11714m	0.110	ppbv	
53) Toluene	9.770	91	336093	1.842	ppbv	99
58) Ethyl Benzene	12.674	91	23476m	0.103	ppbv	
59) m/p-Xylene	12.928	91	61156m	0.313	ppbv	
60) o-Xylene	13.661	91	25525m	0.138	ppbv	
74) 1,2,4-Trimethylbenzene	16.719	105	24187m	0.124	ppbv	

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

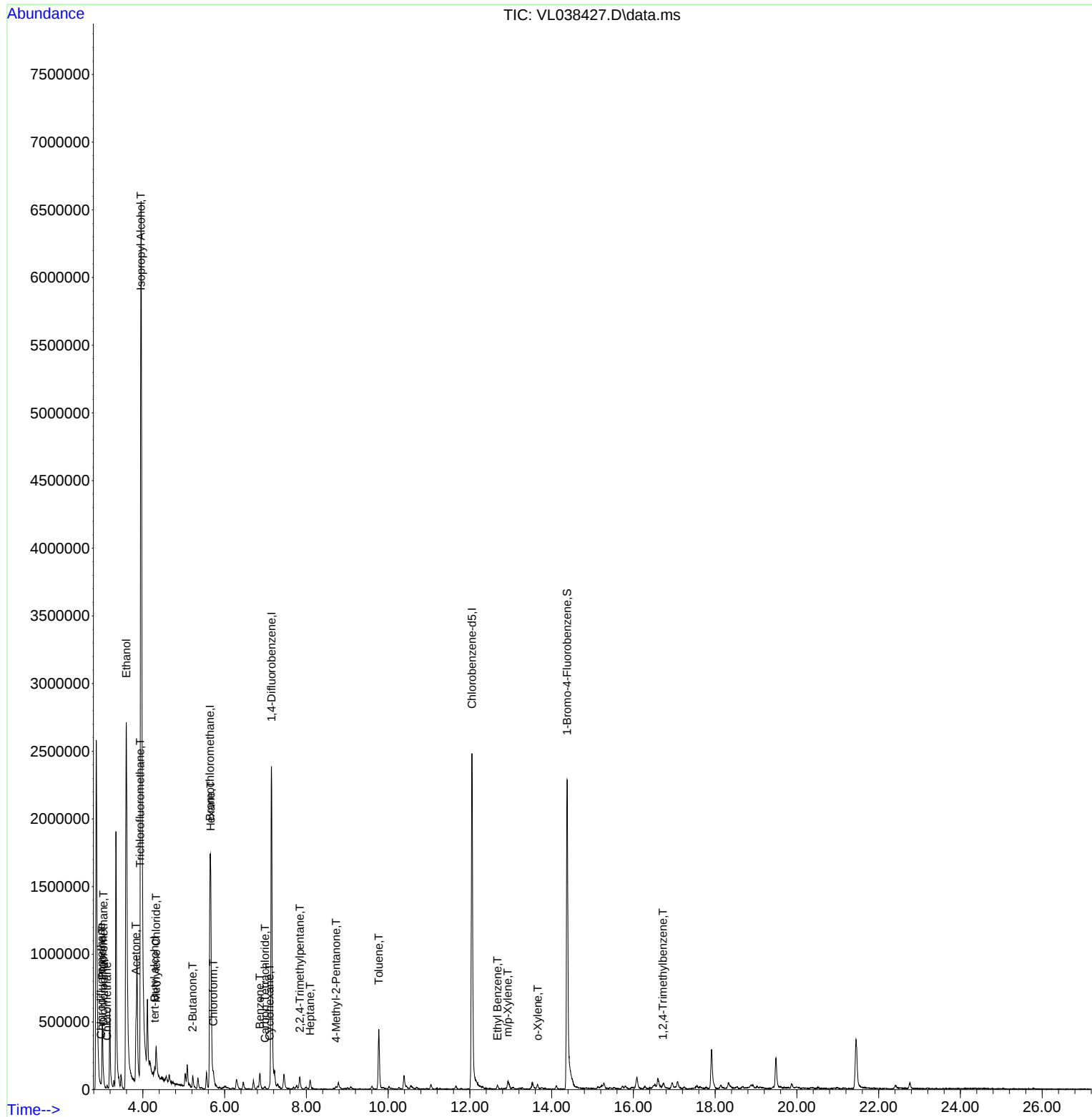
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
Data File : VL038427.D
Acq On : 24 Feb 2022 3:58
Operator : SY/AP
Sample : N1605-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

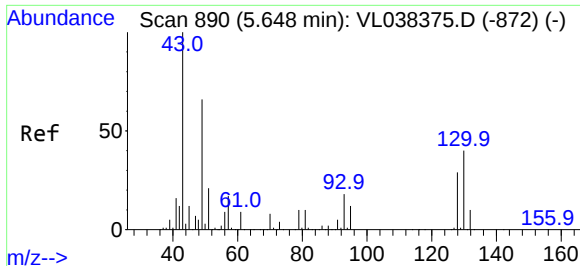
Instrument :
MSVOA_L
ClientSampleId :
DUP-1

Quant Time: Feb 24 07:34:54 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

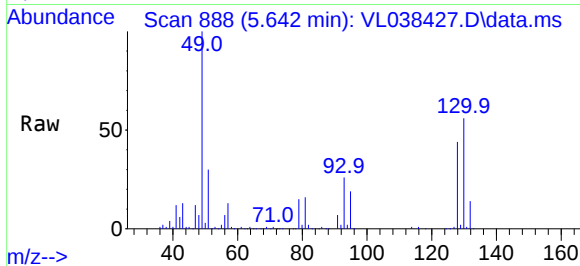
Reviewed By : Semsettin Yesilyurt 02/24/2022
Supervised By : Mahesh Dadoda 02/25/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.642 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

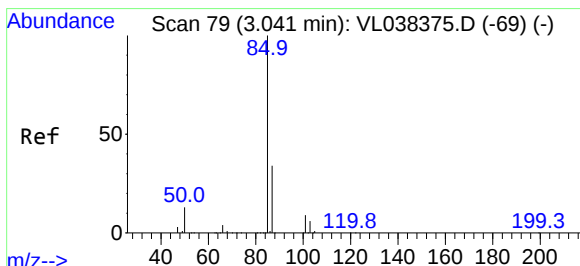
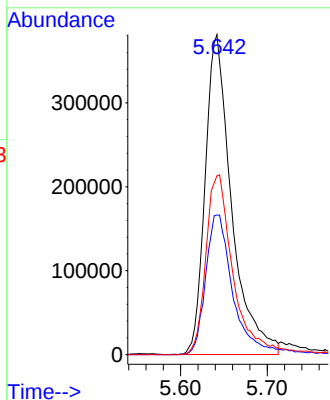
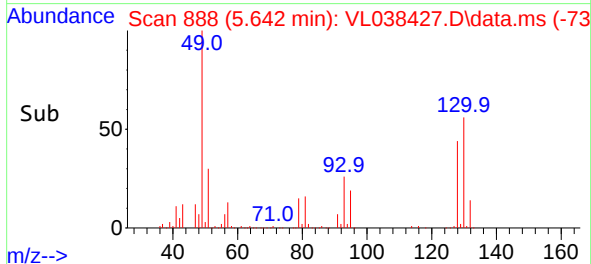
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



Tgt Ion: 49 Resp: 806892
Ion Ratio Lower Upper
49 100
128 45.9 24.3 72.9
130 60.1 30.1 90.5

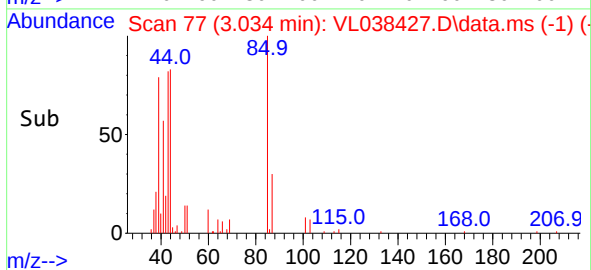
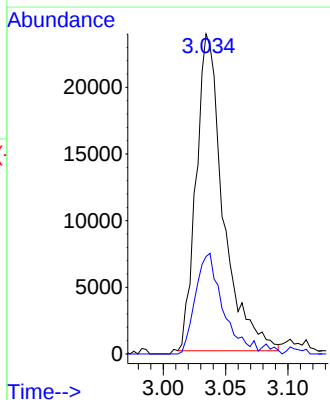
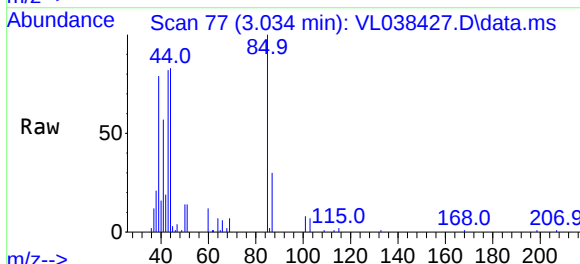
Manual Integrations
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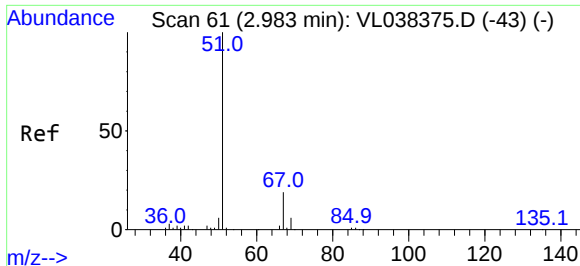
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#2
Dichlorodifluoromethane
Concen: 0.282 ppbv
RT: 3.034 min Scan# 77
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

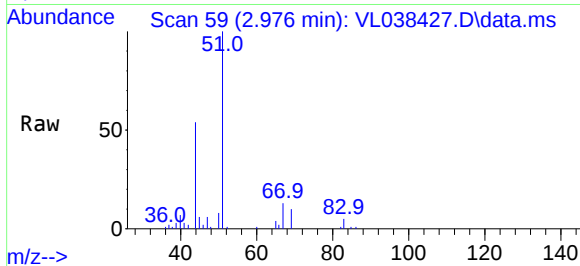
Tgt Ion: 85 Resp: 36000
Ion Ratio Lower Upper
85 100
87 30.8 27.4 41.0





#3
Chlorodifluoromethane
Concen: 0.311 ppbv
RT: 2.976 min Scan# 51
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

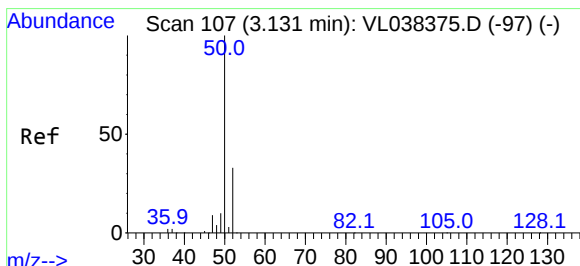
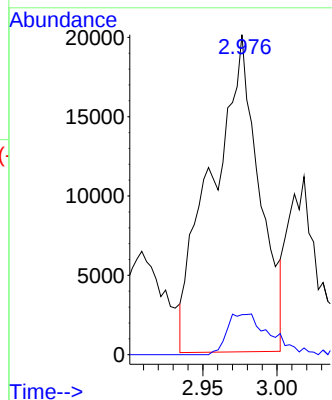
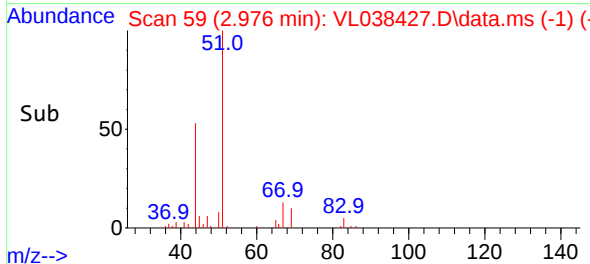
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



Tgt Ion: 51 Resp: 44294
Ion Ratio Lower Upper
51 100
67 12.5 14.7 22.1

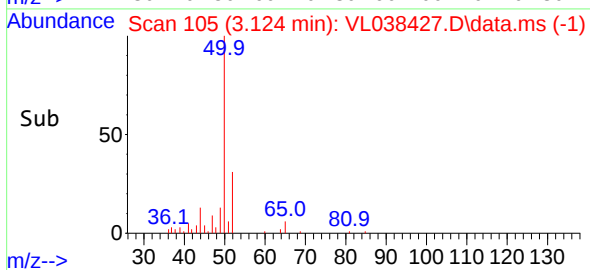
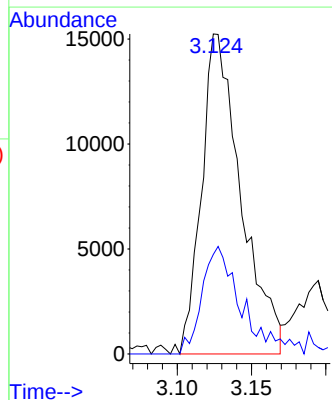
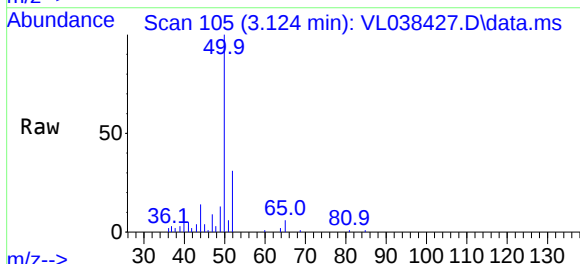
Manual Integrations
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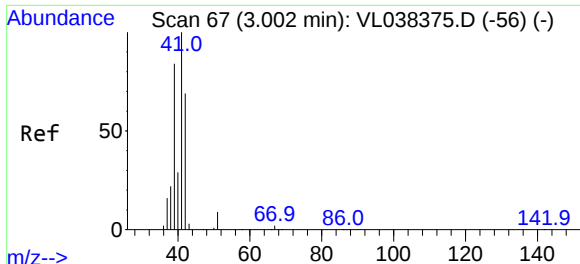
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#4
Chloromethane
Concen: 0.568 ppbv
RT: 3.124 min Scan# 105
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

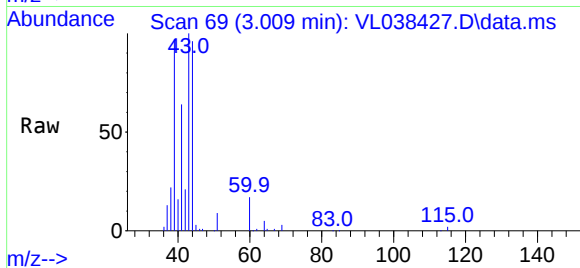
Tgt Ion: 50 Resp: 28111
Ion Ratio Lower Upper
50 100
52 31.1 26.5 39.7





#9
Propene
Concen: 2.537 ppbv
RT: 3.009 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

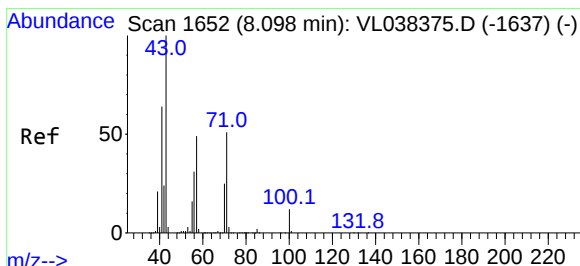
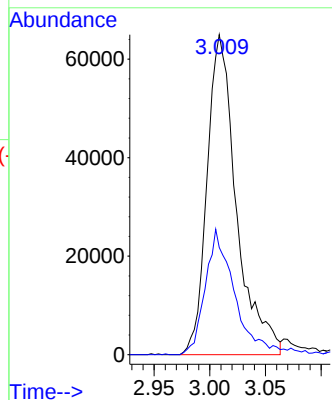
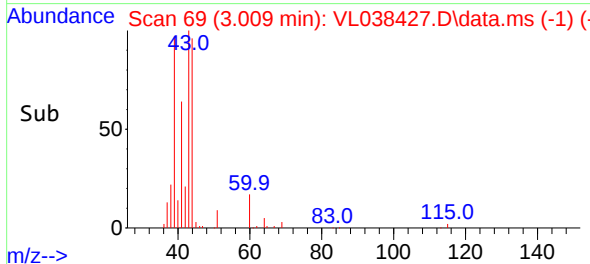
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



Tgt Ion: 41 Resp: 119339
Ion Ratio Lower Upper
41 100
42 40.3 54.6 82.0

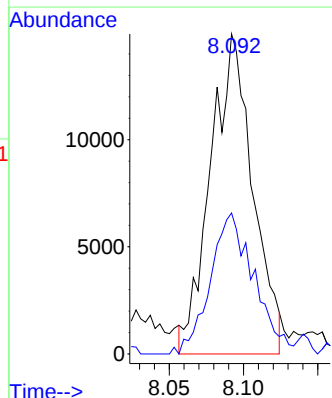
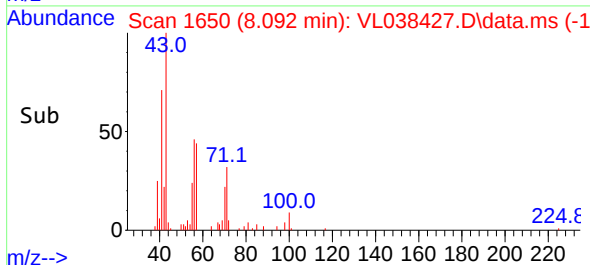
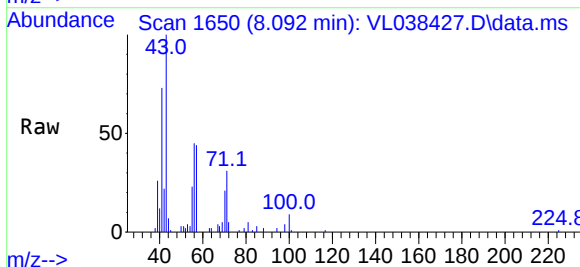
Manual Integrations
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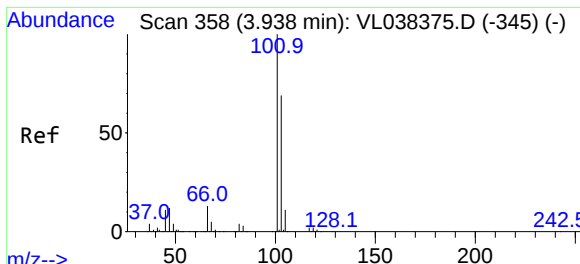
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#10
Heptane
Concen: 0.257 ppbv m
RT: 8.092 min Scan# 1650
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

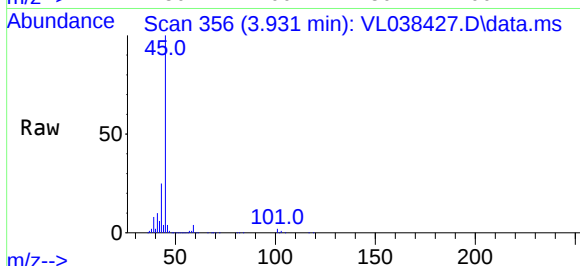
Tgt Ion: 43 Resp: 29432
Ion Ratio Lower Upper
43 100
57 47.9 39.8 59.8





#11
Trichlorofluoromethane
Concen: 0.197 ppbv
RT: 3.931 min Scan# 301
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

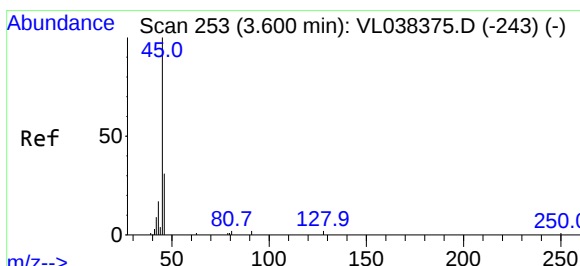
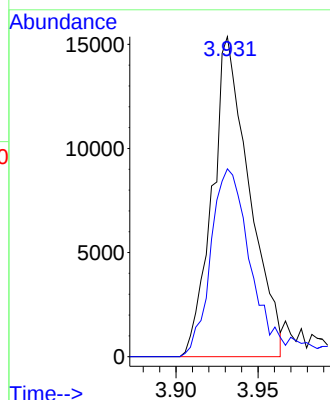
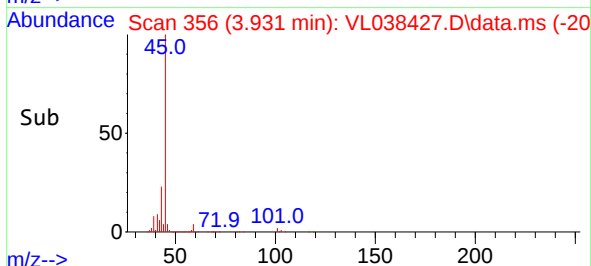
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



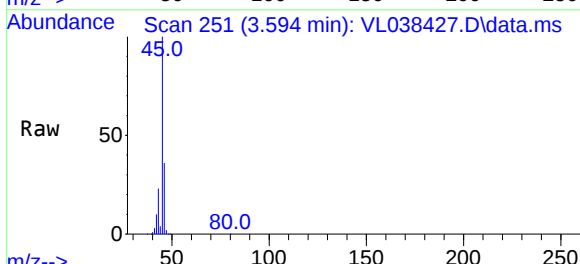
Tgt Ion:101 Resp: 2413
Ion Ratio Lower Upper
101 100
103 58.7 55.0 82.4

Manual Integrations
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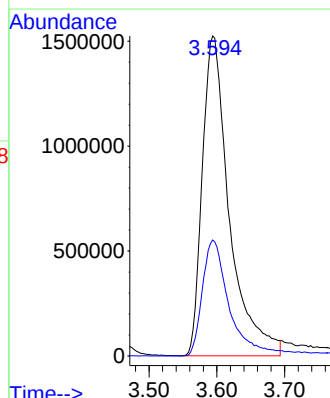
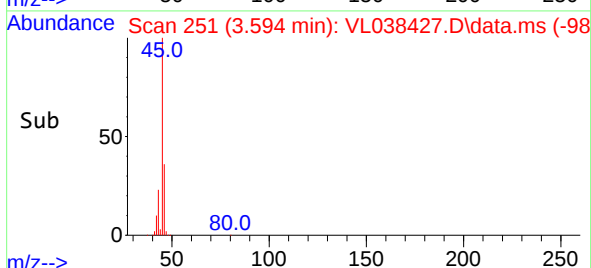
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

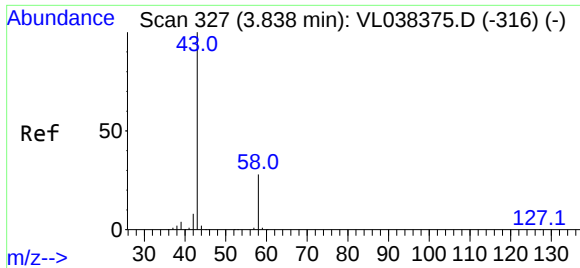


#13
Ethanol
Concen: 898.840 ppbv
RT: 3.594 min Scan# 251
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58



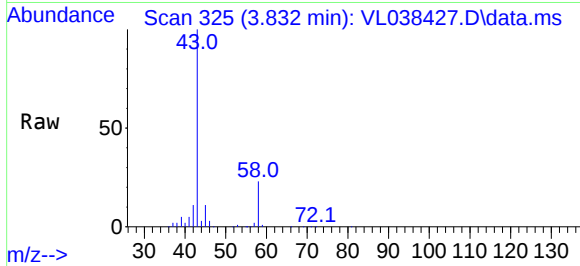
Tgt Ion: 45 Resp: 4220003
Ion Ratio Lower Upper
45 100
46 38.1 18.2 72.8





#15
Acetone
Concen: 6.353 ppbv
RT: 3.832 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

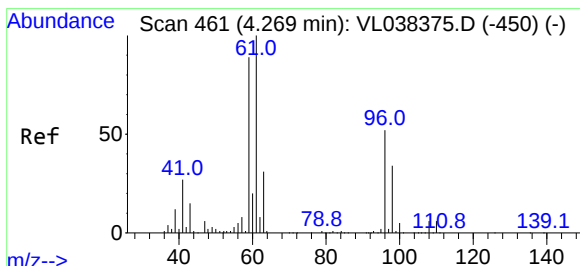
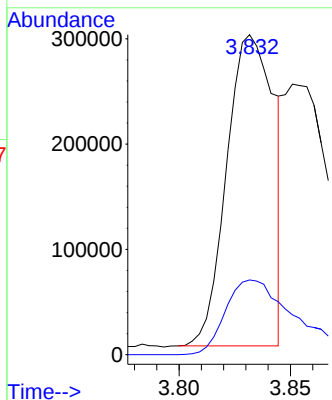
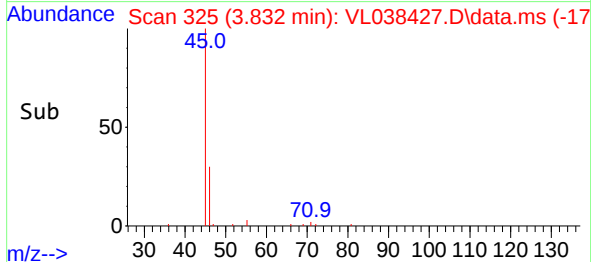
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



Tgt Ion: 43 Resp: 435918
Ion Ratio Lower Upper
43 100
58 38.0 21.7 32.5

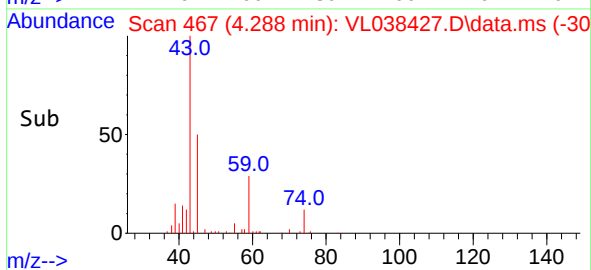
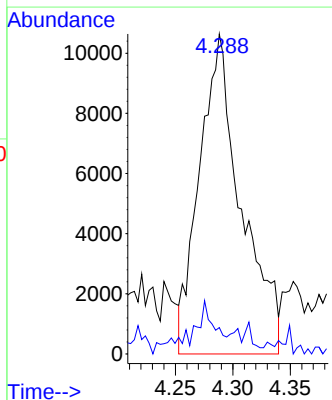
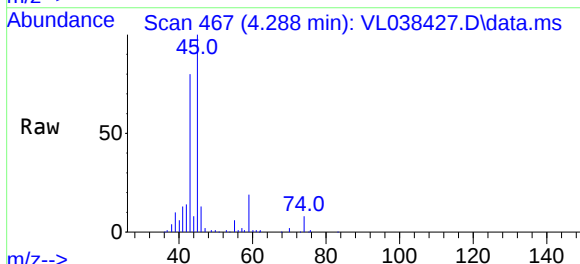
Manual Integrations
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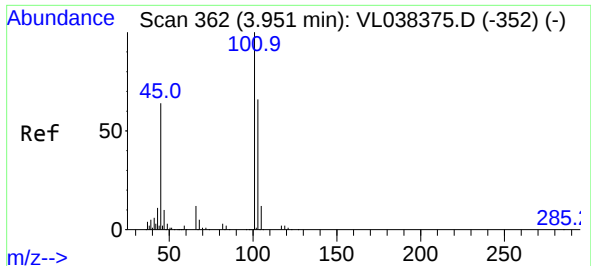
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#17
tert-Butyl alcohol
Concen: 0.393 ppbv m
RT: 4.288 min Scan# 467
Delta R.T. 0.019 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

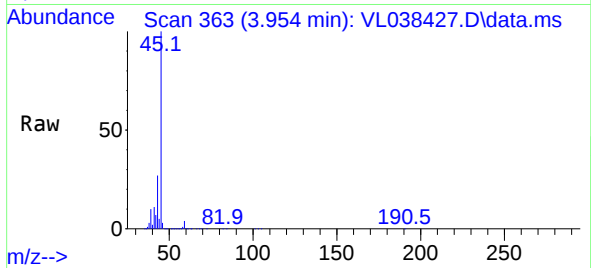
Tgt Ion: 59 Resp: 26910
Ion Ratio Lower Upper
59 100
57 156.0 8.4 12.6#





#19
Isopropyl Alcohol
Concen: 268.824 ppbv
RT: 3.954 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

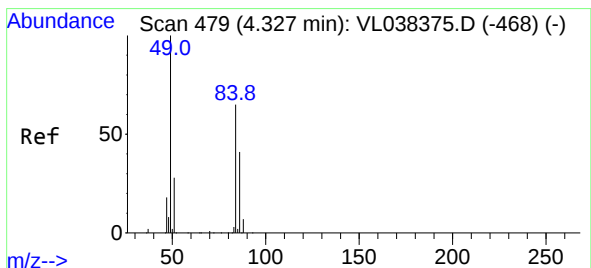
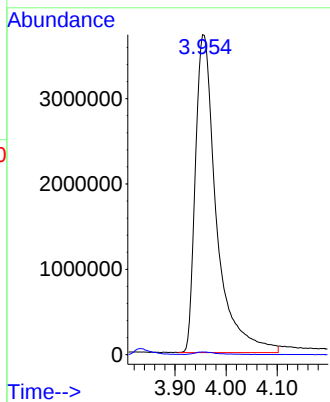
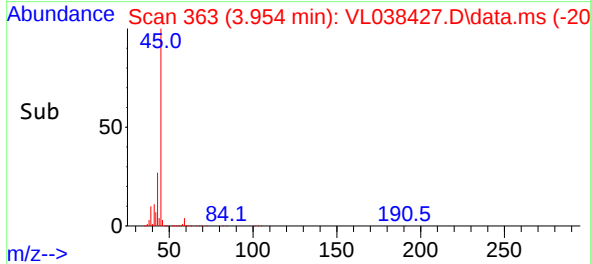
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



Tgt Ion: 45 Resp:1068171
Ion Ratio Lower Upper
45 100
58 0.9 1.8 2.8

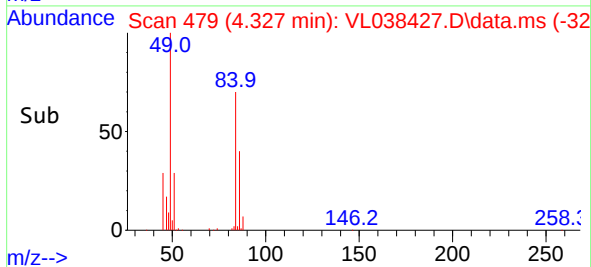
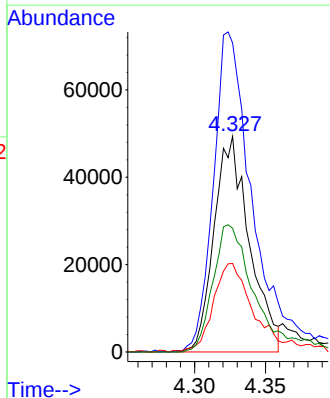
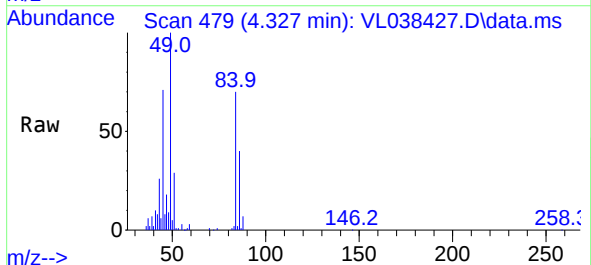
Manual Integrations
APPROVED

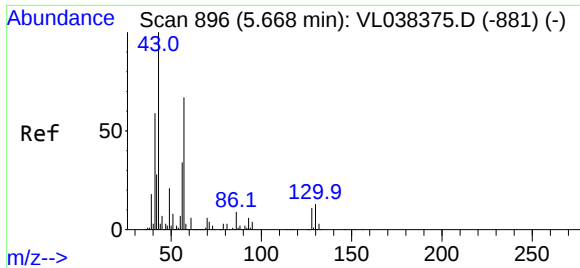
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#20
Methylene Chloride
Concen: 2.523 ppbv
RT: 4.327 min Scan# 479
Delta R.T. -0.000 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

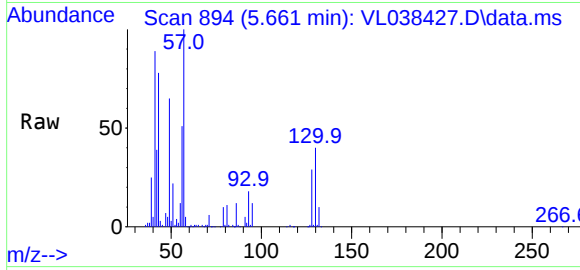
Tgt Ion: 84 Resp: 85786
Ion Ratio Lower Upper
84 100
49 142.5 122.4 183.6
51 40.5 33.3 49.9
86 57.3 50.7 76.1





#26
Hexane
Concen: 5.285 ppbv
RT: 5.661 min Scan# 894
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

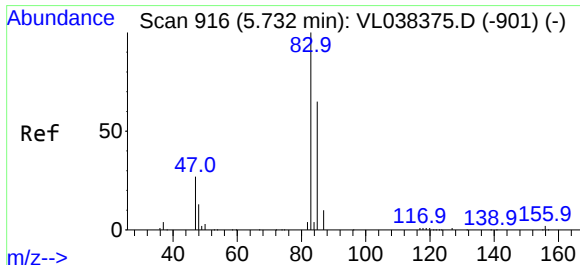
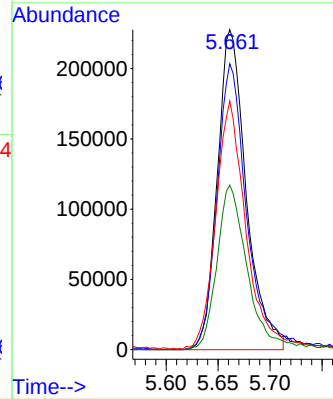
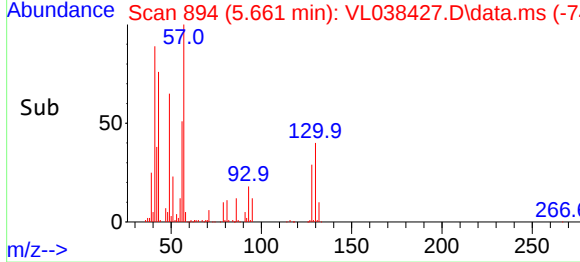
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



Tgt Ion: 57 Resp: 441190
Ion Ratio Lower Upper
57 100
41 93.8 73.1 109.7
43 82.4 181.0 271.4
56 55.2 43.4 65.0

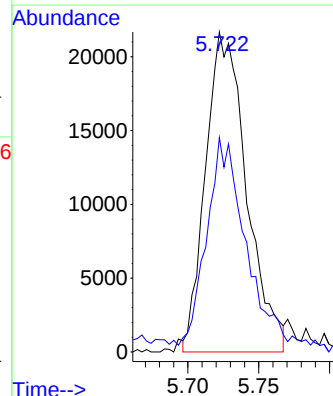
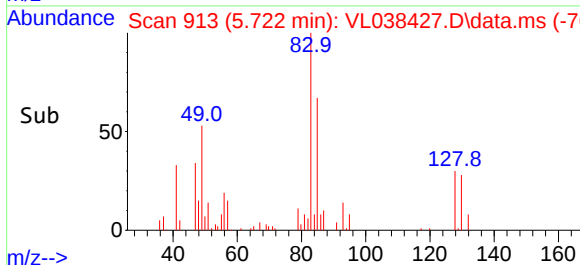
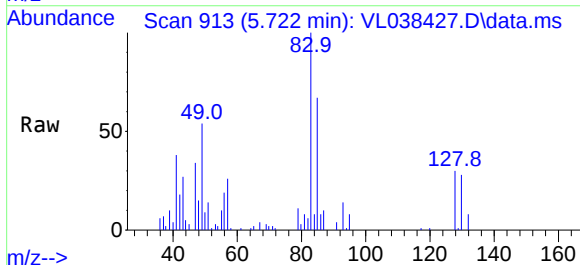
Manual Integrations
APPROVED

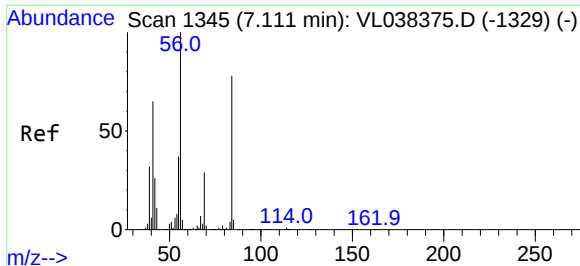
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#29
Chloroform
Concen: 0.319 ppbv
RT: 5.722 min Scan# 913
Delta R.T. -0.010 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

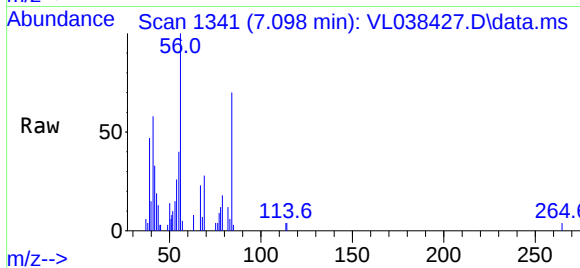
Tgt Ion: 83 Resp: 43520
Ion Ratio Lower Upper
83 100
85 64.8 51.6 77.4





#30
Cyclohexane
Concen: 0.195 ppbv m
RT: 7.098 min Scan# 13314
Delta R.T. -0.013 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

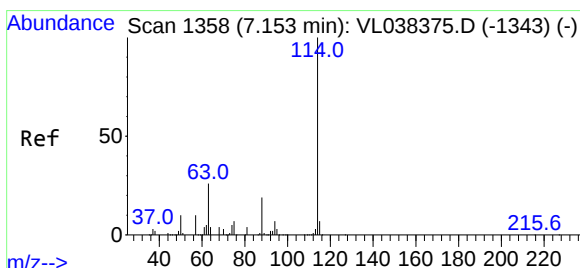
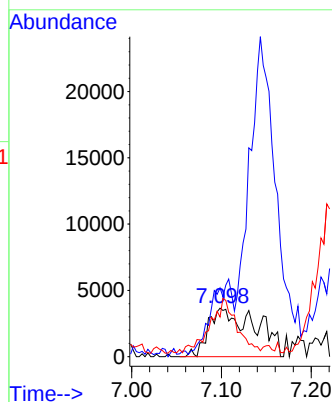
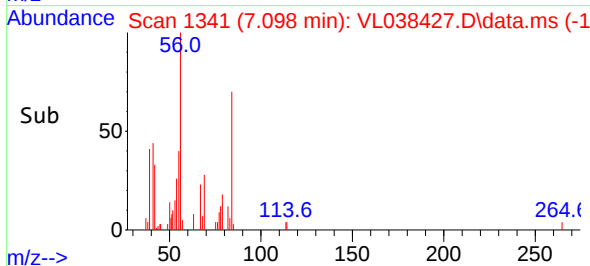
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



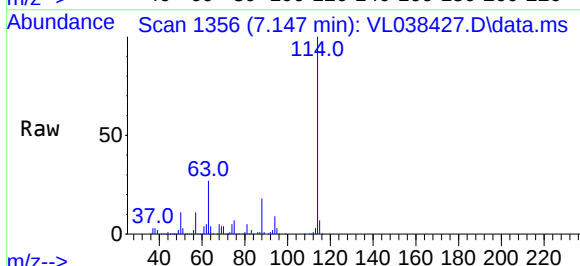
Tgt Ion: 84 Resp: 13314
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4
41 74.5 74.3 111.5

Manual Integrations
APPROVED

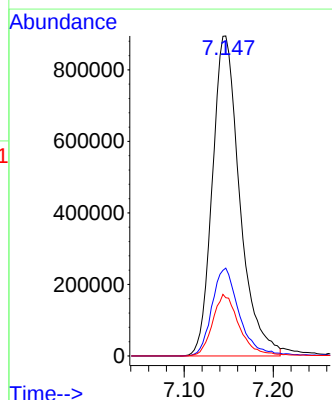
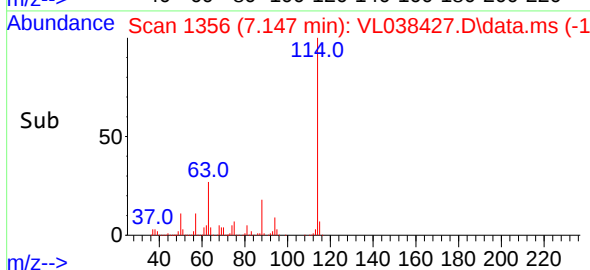
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

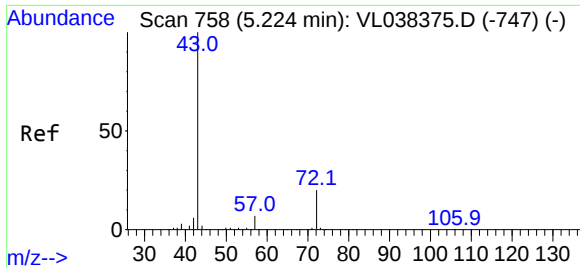


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.147 min Scan# 1356
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58



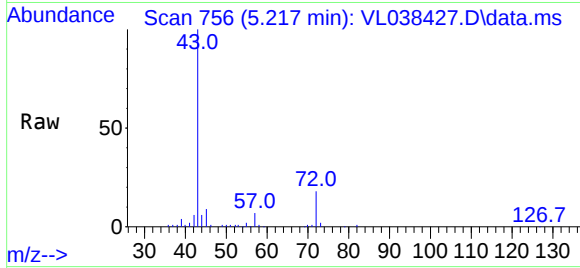
Tgt Ion:114 Resp: 1909218
Ion Ratio Lower Upper
114 100
63 28.2 22.2 33.2
88 19.0 15.2 22.8





#34
2-Butanone
Concen: 2.021 ppbv m
RT: 5.217 min Scan# 71
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

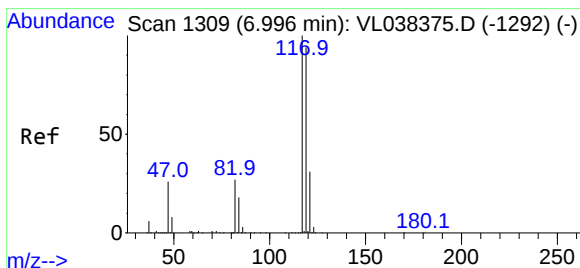
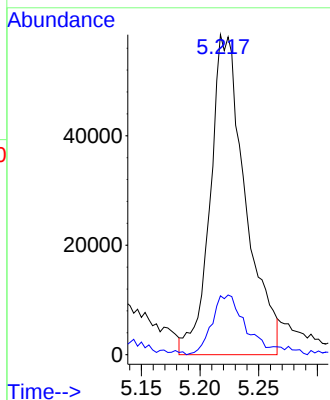
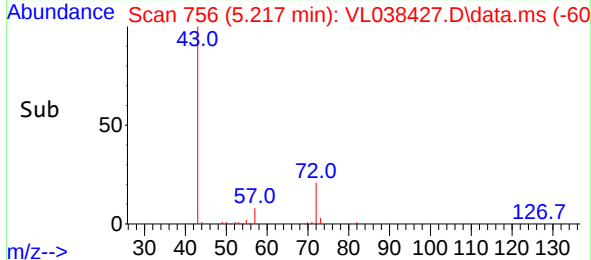
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



Tgt Ion: 43 Resp: 12134
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.2

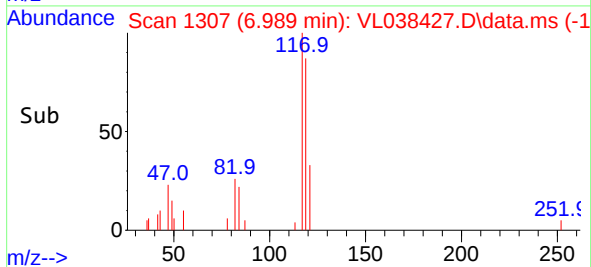
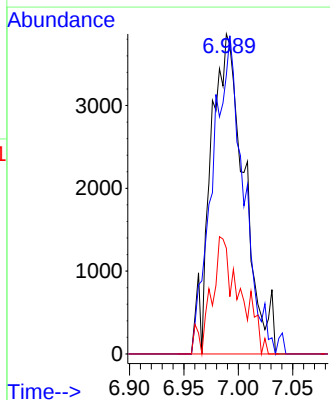
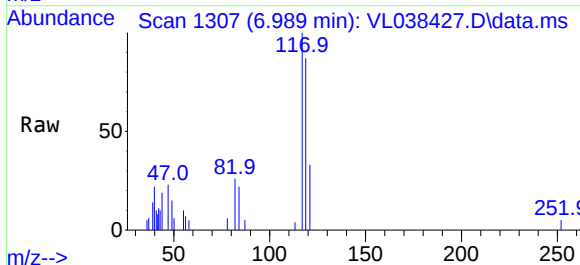
Manual Integrations
APPROVED

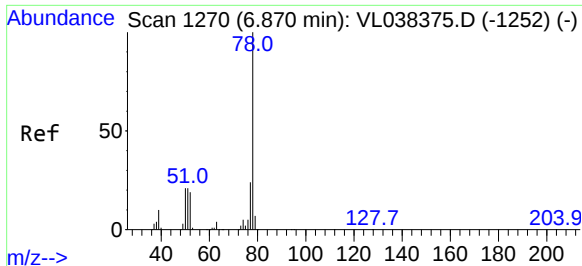
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 6.989 min Scan# 1307
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

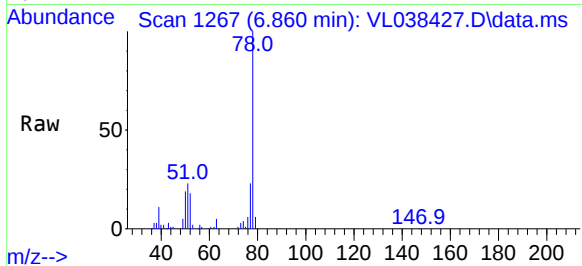
Tgt Ion:117 Resp: 8208
Ion Ratio Lower Upper
117 100
119 87.1 74.9 112.3
121 33.0 24.8 37.2





#36
Benzene
Concen: 0.596 ppbv
RT: 6.860 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

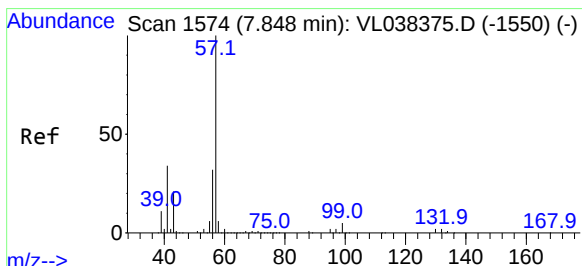
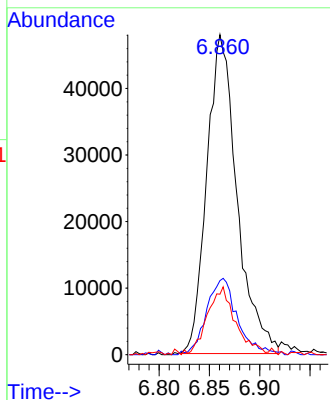
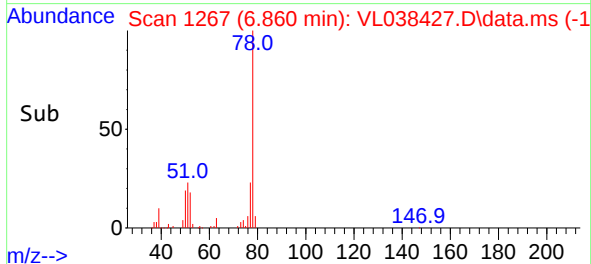
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



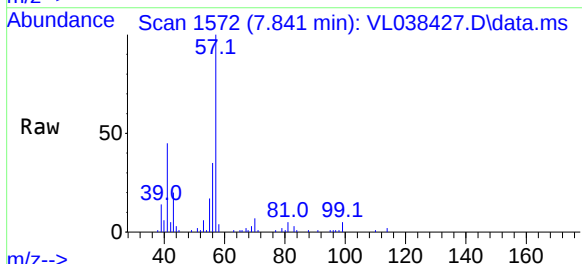
Tgt Ion: 78 Resp: 100119
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6
50 19.0 16.6 24.8

Manual Integrations
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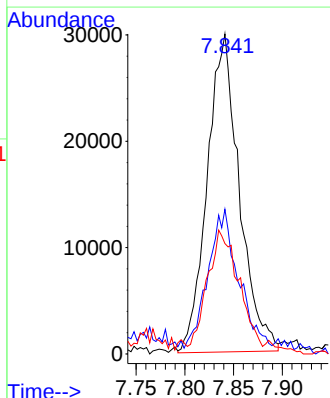
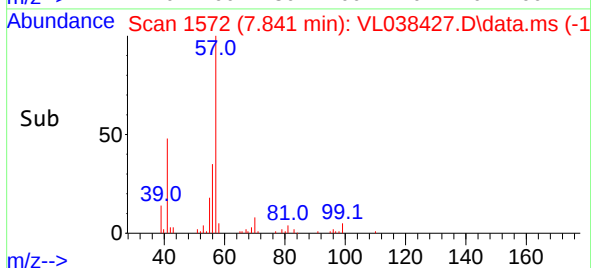
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

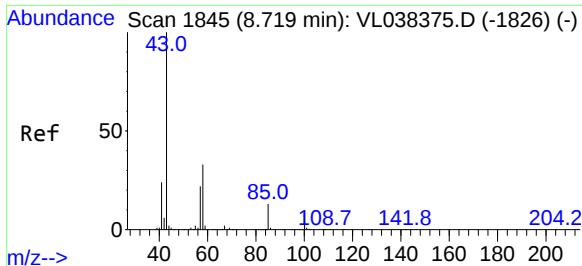


#44
2,2,4-Trimethylpentane
Concen: 0.237 ppbv
RT: 7.841 min Scan# 1572
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58



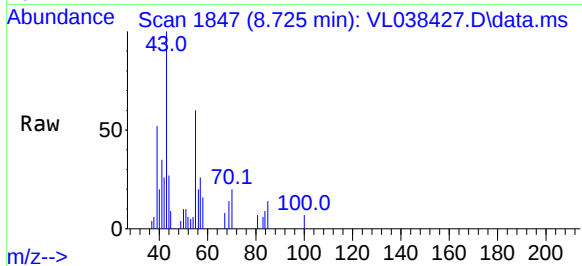
Tgt Ion: 57 Resp: 68462
Ion Ratio Lower Upper
57 100
41 46.8 26.6 39.8#
56 43.1 25.0 37.6#





#50
4-Methyl-2-Pentanone
Concen: 0.110 ppbv m
RT: 8.725 min Scan# 11714
Delta R.T. 0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

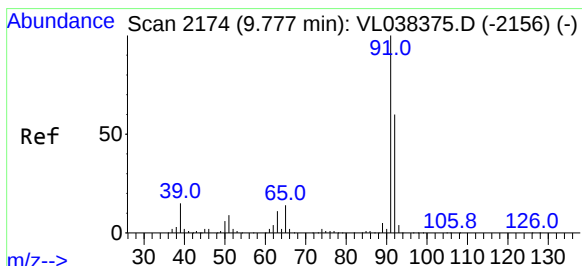
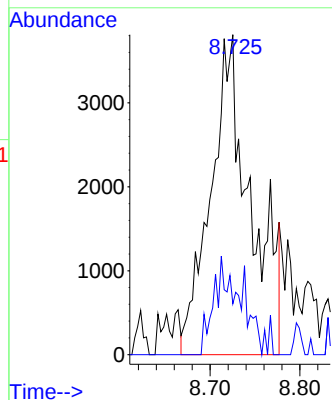
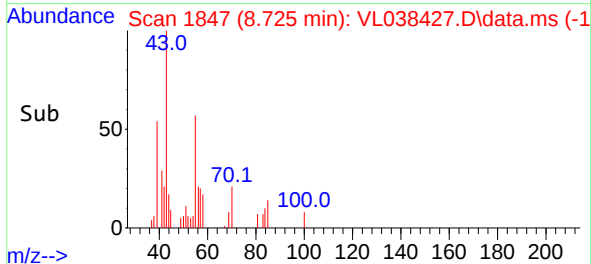
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



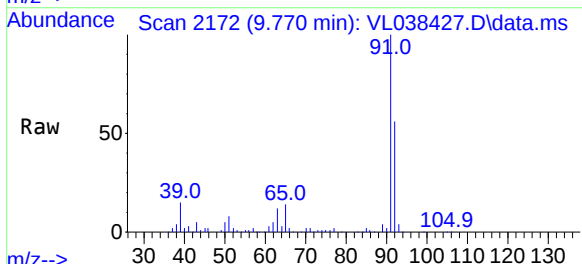
Tgt Ion: 43 Resp: 11714
Ion Ratio Lower Upper
43 100
58 21.8 27.7 41.5

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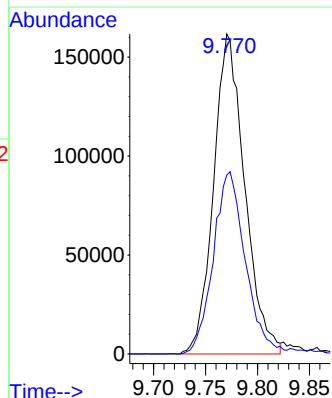
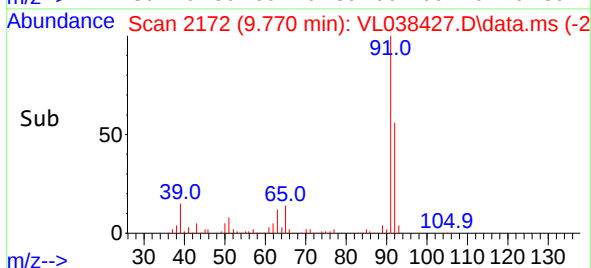
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

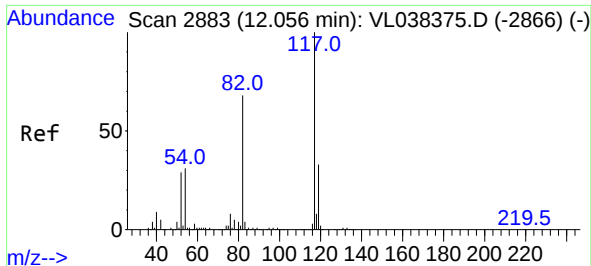


#53
Toluene
Concen: 1.842 ppbv
RT: 9.770 min Scan# 2172
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58



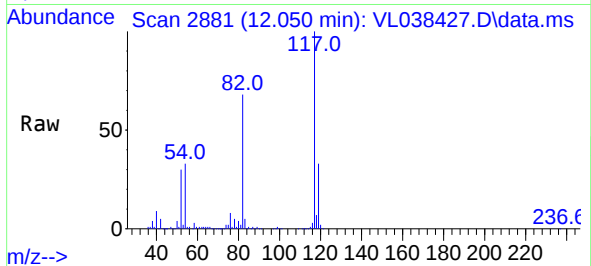
Tgt Ion: 91 Resp: 336093
Ion Ratio Lower Upper
91 100
92 59.9 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.050 min Scan# 2881
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

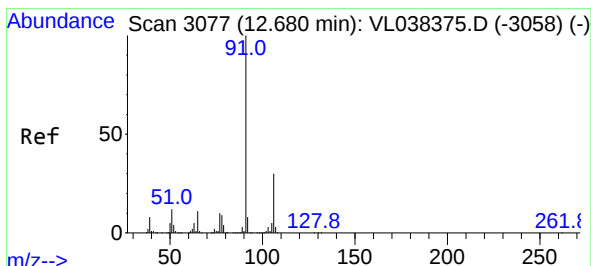
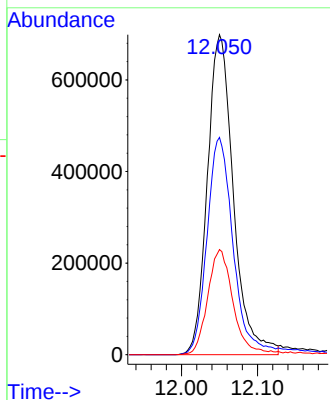
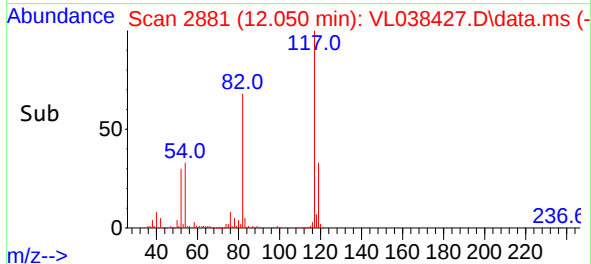
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



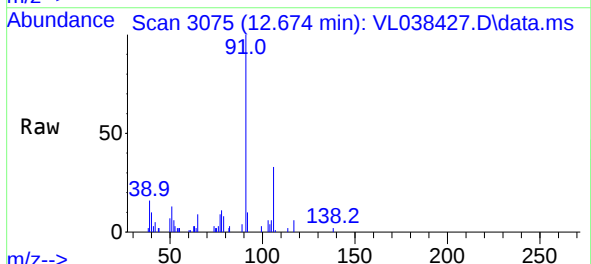
Tgt Ion: 117 Resp: 166427
Ion Ratio Lower Upper
117 100
82 71.1 54.9 82.3
119 32.2 46.1 69.1

Manual Integrations
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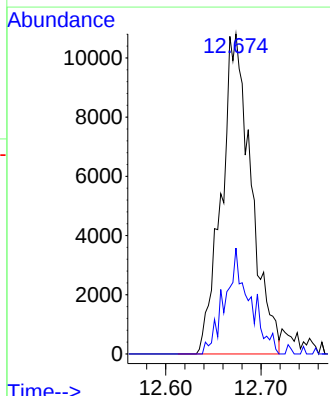
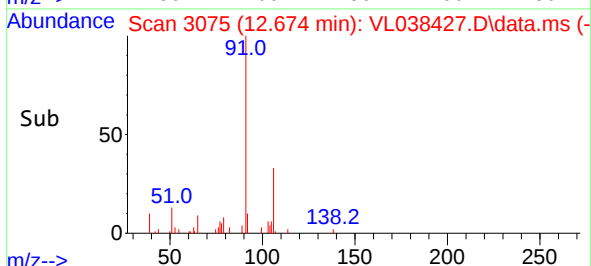
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

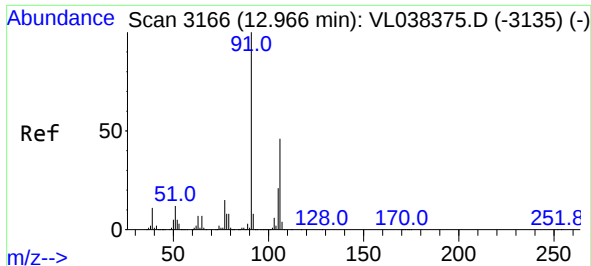


#58
Ethyl Benzene
Concen: 0.103 ppbv m
RT: 12.674 min Scan# 3075
Delta R.T. -0.006 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58



Tgt Ion: 91 Resp: 23476
Ion Ratio Lower Upper
91 100
106 33.1 24.0 36.0





#59

m/p-Xylene

Concen: 0.313 ppbv m

RT: 12.928 min Scan# 3166

Delta R.T. -0.039 min

Lab File: VL038427.D

Acq: 24 Feb 2022 3:58

Instrument :

MSVOA_L

ClientSampleId :

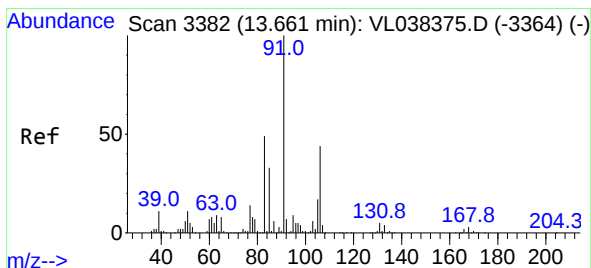
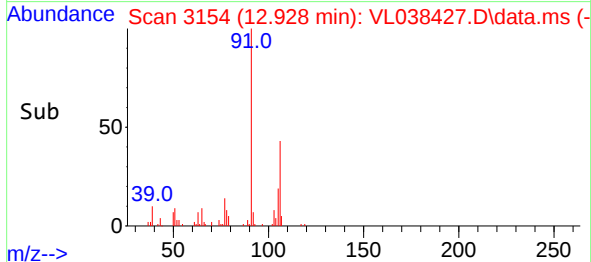
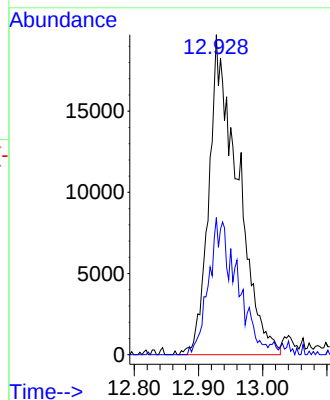
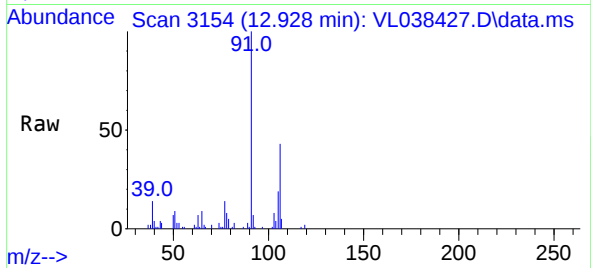
DUP-1

Tgt Ion: 91 Resp: 61150
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/25/2022



#60

o-Xylene

Concen: 0.138 ppbv m

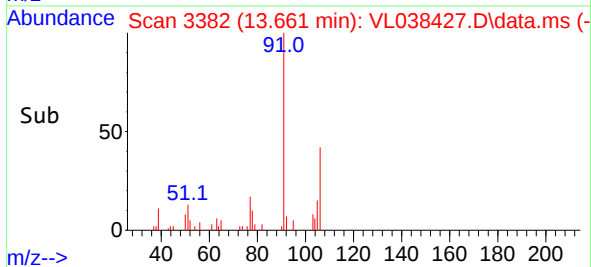
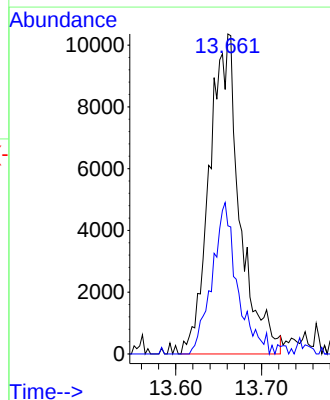
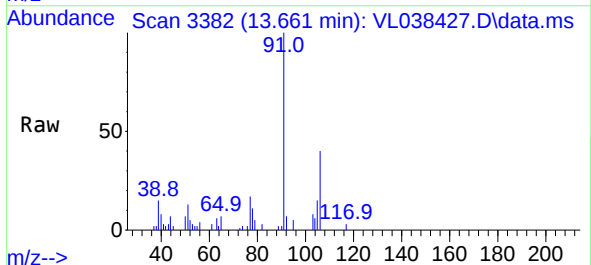
RT: 13.661 min Scan# 3382

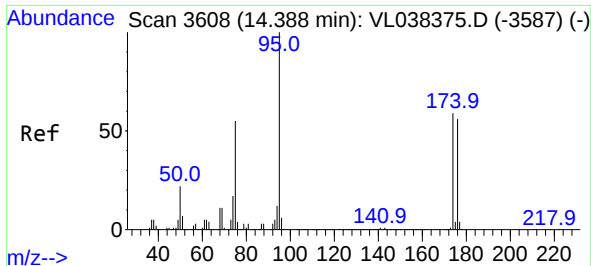
Delta R.T. -0.000 min

Lab File: VL038427.D

Acq: 24 Feb 2022 3:58

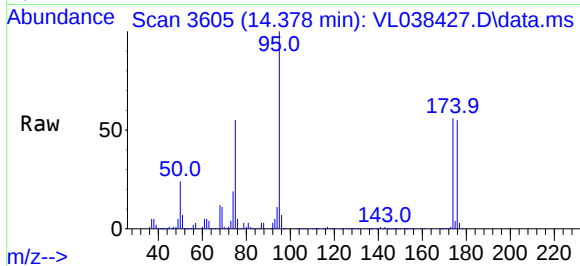
Tgt Ion: 91 Resp: 25525
 Ion Ratio Lower Upper
 91 100
 106 0.0 21.9 65.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.295 ppbv
RT: 14.378 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58

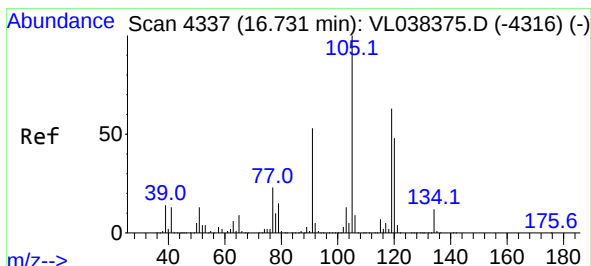
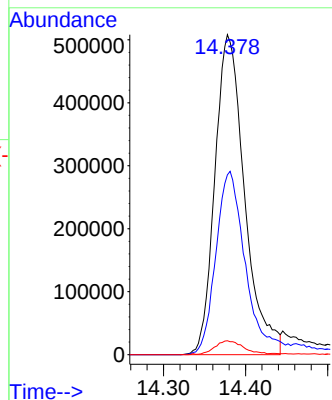
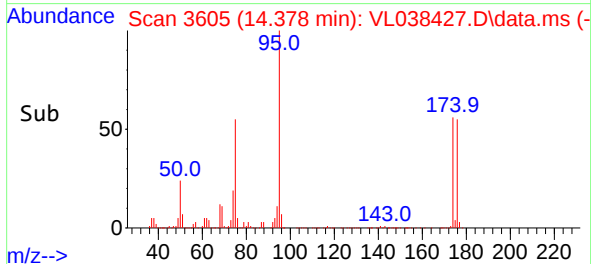
Instrument :
MSVOA_L
ClientSampleId :
DUP-1



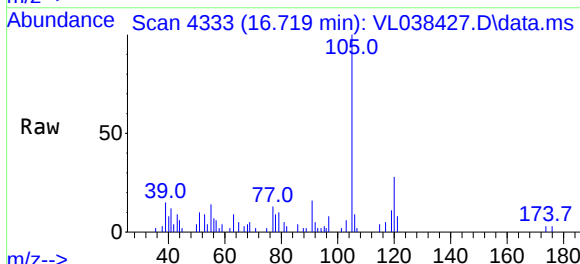
Tgt Ion: 95 Resp: 1280014
Ion Ratio Lower Upper
95 100
174 61.8 49.0 73.4
175 4.8 3.6 5.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.124 ppbv m
RT: 16.719 min Scan# 4333
Delta R.T. -0.013 min
Lab File: VL038427.D
Acq: 24 Feb 2022 3:58



Tgt Ion:105 Resp: 24187
Ion Ratio Lower Upper
105 100
120 28.2 38.2 57.4#
91 15.8 42.7 64.1#
77 12.7 18.5 27.7#

