

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
 Data File : VL038341.D
 Acq On : 14 Feb 2022 15:02
 Operator : SY/AP
 Sample : N1442-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022
 Supervised By :Mahesh Dadoda 02/18/2022

Quant Time: Feb 15 00:40:38 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Jan 2

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

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

Internal Standards								
1) Bromochloromethane			5.655	49	979095	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene			7.160	114	2487705	10.000	ppbv	-0.02
55) Chlorobenzene-d5			12.076	117	2253537	10.000	ppbv	# 0.00
System Monitoring Compounds								
68) 1-Bromo-4-Fluorobenzene			14.401	95	1869686	10.931	ppbv	-0.01
Spiked Amount		10.000	Range	65 - 135	Recovery	= 109.300%		
Target Compounds								Qvalue
3) Chlorodifluoromethane			2.986	51	278535	1.429	ppbv	99
9) Propene			3.022	41	71654	1.129	ppbv #	76
10) Heptane			8.105	43	37684	0.231	ppbv	89
13) Ethanol			3.604	45	34048m	4.999	ppbv	
15) Acetone			3.838	43	5284107	61.222	ppbv	97
17) tert-Butyl alcohol			4.298	59	10751m	0.113	ppbv	
19) Isopropyl Alcohol			3.977	45	44638m	0.827	ppbv	
20) Methylene Chloride			4.337	84	15010	0.299	ppbv	88
22) trans-1,2-Dichloroethene			4.877	96	14096m	0.256	ppbv	
26) Hexane			5.677	57	203112	1.807	ppbv #	36
29) Chloroform			5.742	83	302762	1.650	ppbv	99
30) Cyclohexane			7.115	84	13355m	0.136	ppbv	
31) cis-1,2-Dichloroethene			5.539	61	184598	1.883	ppbv	96
34) 2-Butanone			5.237	43	215353	2.647	ppbv	99
36) Benzene			6.880	78	28859m	0.131	ppbv	
38) Trichloroethene			7.819	130	400619	4.887	ppbv	95
41) Tetrahydrofuran			6.063	42	11788m	0.216	ppbv	
50) 4-Methyl-2-Pentanone			8.742	43	67424	0.465	ppbv	100
51) 2-Hexanone			10.131	43	76506	1.197	ppbv #	93
52) Tetrachloroethene			11.256	164	18962127	250.030	ppbv	87
53) Toluene			9.783	91	62704m	0.257	ppbv	
59) m/p-Xylene			12.954	91	64532m	0.228	ppbv	
60) o-Xylene			13.677	91	28357	0.108	ppbv	99
61) Styrene			13.516	104	20285m	0.165	ppbv	
62) Isopropylbenzene			14.648	105	53598	0.153	ppbv	98

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

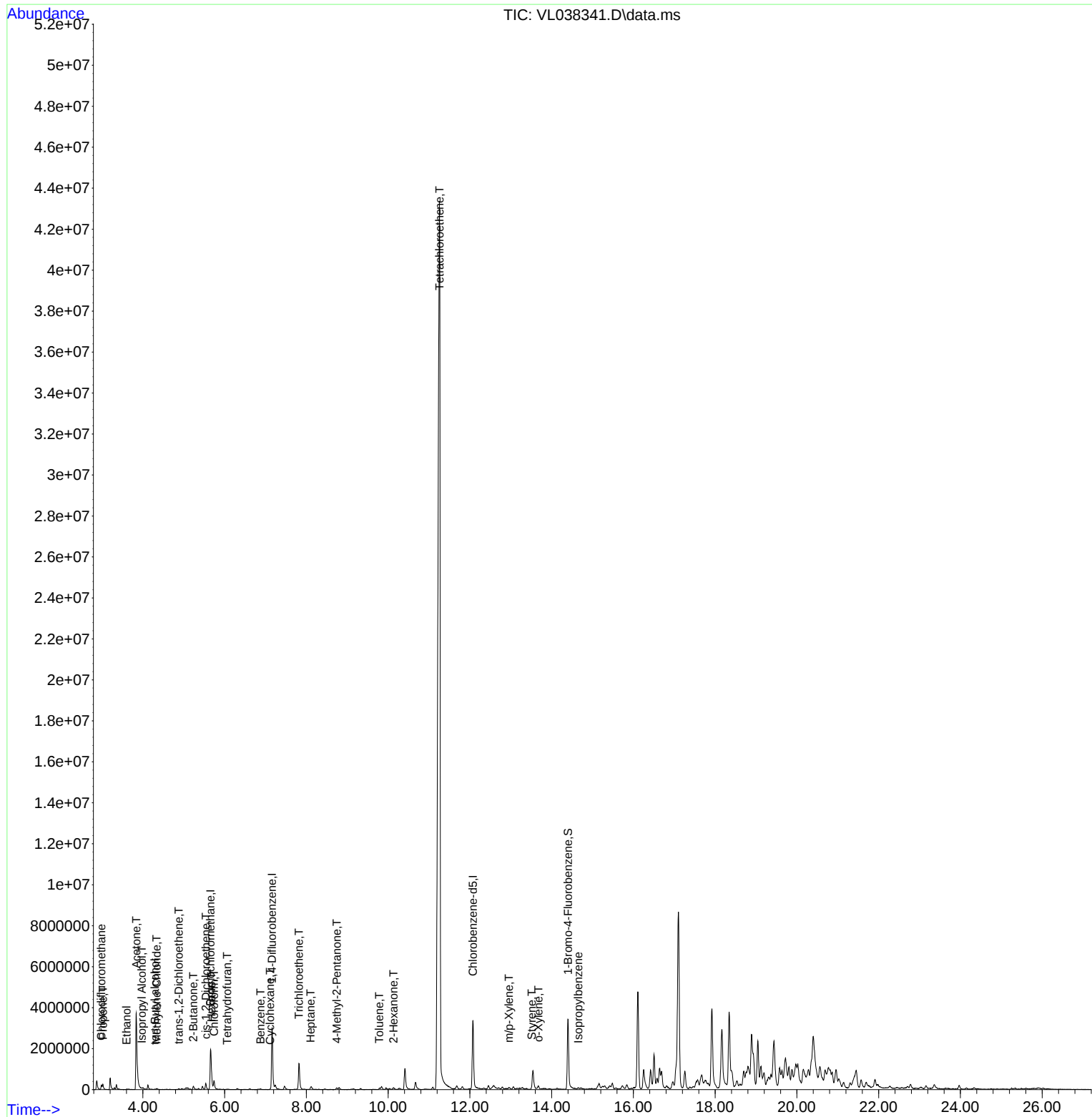
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
Data File : VL038341.D
Acq On : 14 Feb 2022 15:02
Operator : SY/AP
Sample : N1442-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

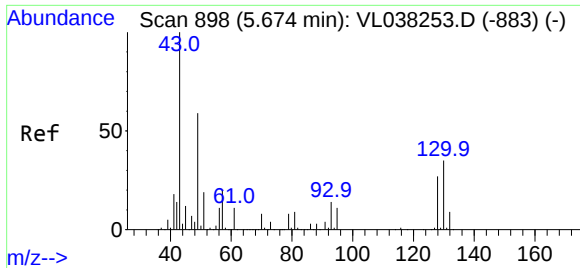
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Feb 15 00:40:38 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 02/15/2022
Supervised By : Mahesh Dadoda 02/18/2022





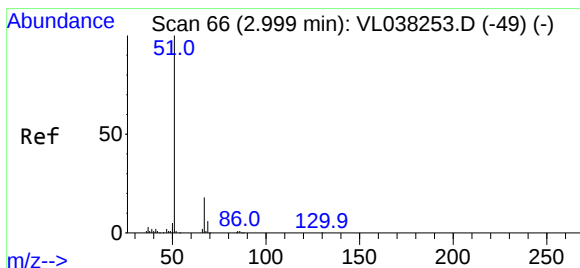
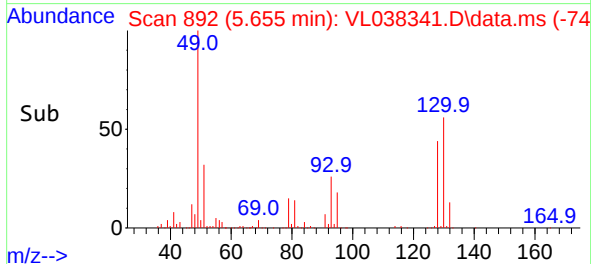
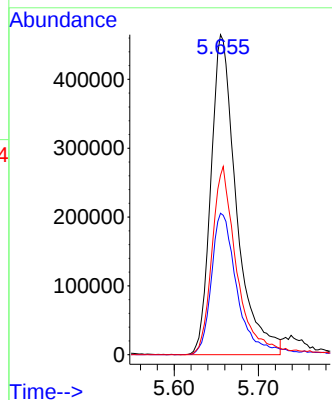
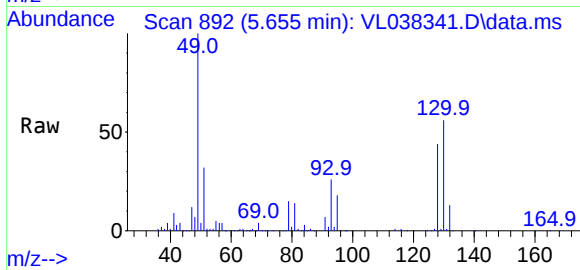
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 89
Delta R.T. -0.019 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 97909
Ion Ratio Lower Upper
49 100
128 46.2 24.5 73.5
130 58.6 30.1 90.5

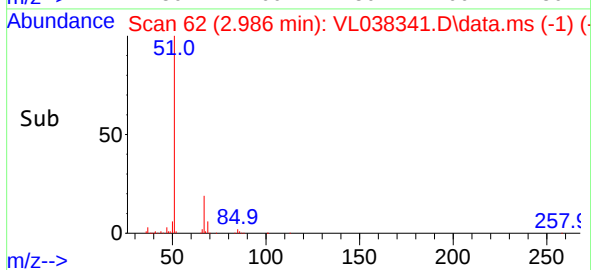
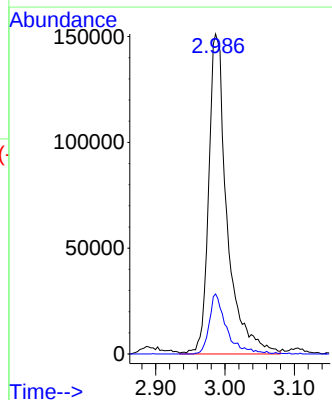
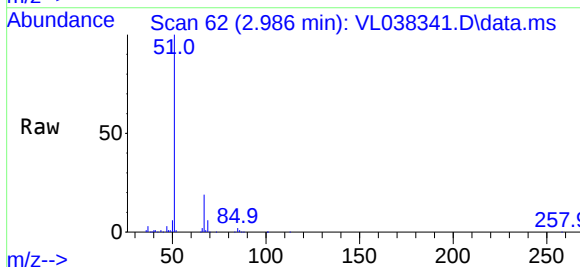
Manual Integrations
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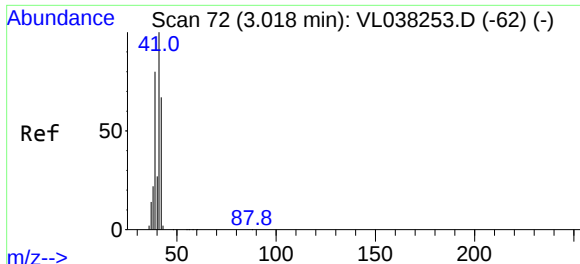
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#3
Chlorodifluoromethane
Concen: 1.429 ppbv
RT: 2.986 min Scan# 62
Delta R.T. -0.013 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

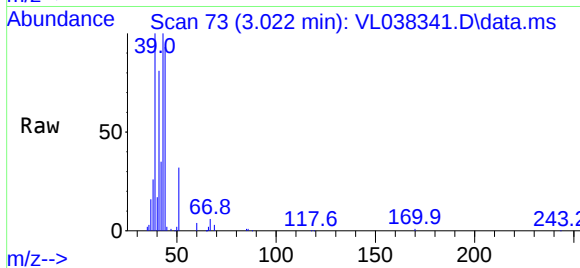
Tgt Ion: 51 Resp: 278535
Ion Ratio Lower Upper
51 100
67 17.8 14.4 21.6





#9
Propene
Concen: 1.129 ppbv
RT: 3.022 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

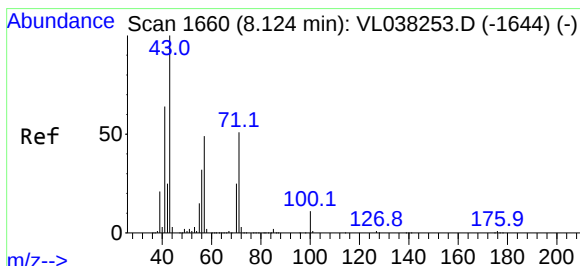
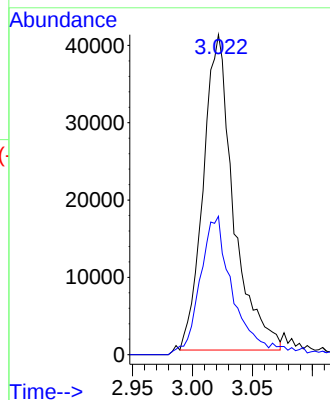
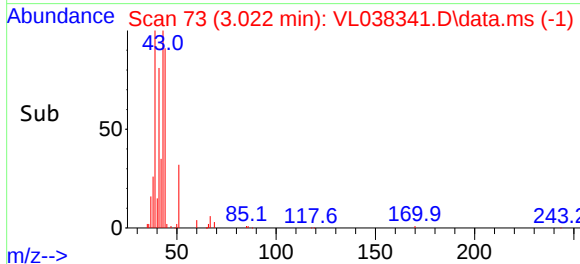
Instrument :
MSVOA_L
ClientSampleId :
SV1



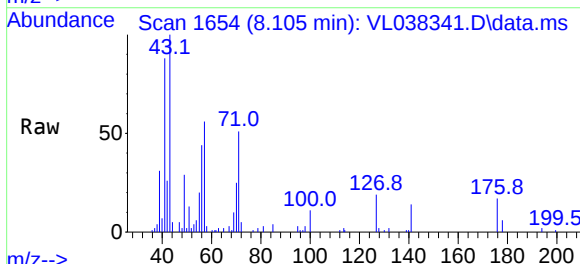
Tgt Ion: 41 Resp: 71654
Ion Ratio Lower Upper
41 100
42 48.9 54.9 82.3

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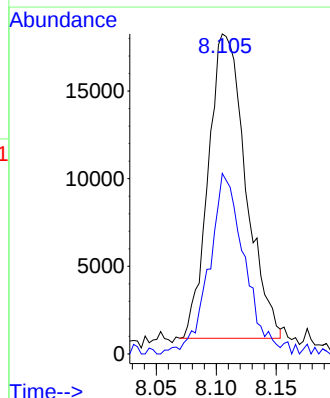
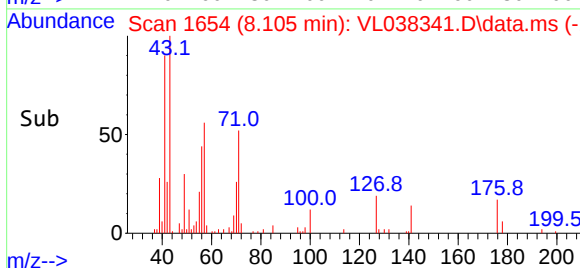
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

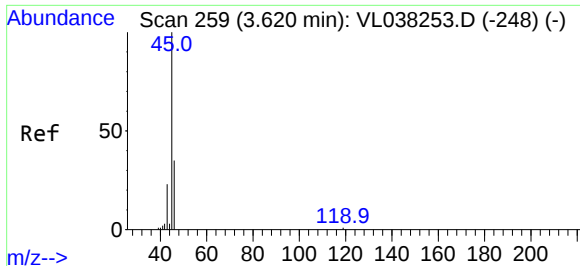


#10
Heptane
Concen: 0.231 ppbv
RT: 8.105 min Scan# 1654
Delta R.T. -0.019 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02



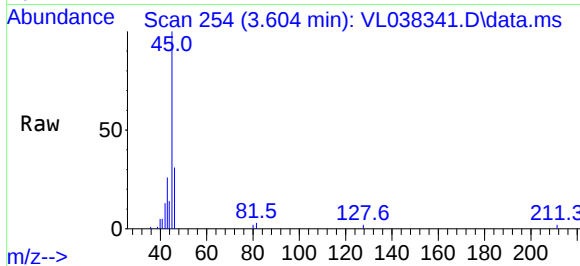
Tgt Ion: 43 Resp: 37684
Ion Ratio Lower Upper
43 100
57 57.2 39.5 59.3





#13
Ethanol
Concen: 4.999 ppbv m
RT: 3.604 min Scan# 214
Delta R.T. -0.016 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

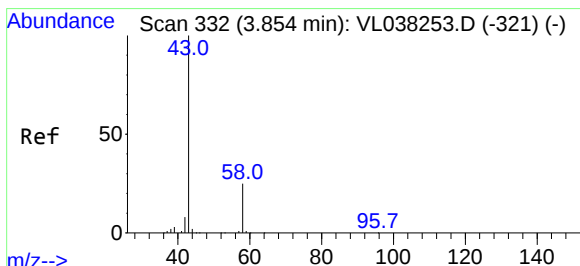
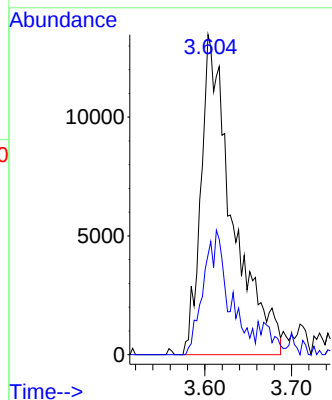
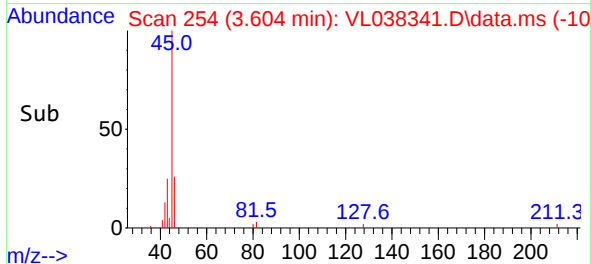
Instrument :
MSVOA_L
ClientSampleId :
SV1



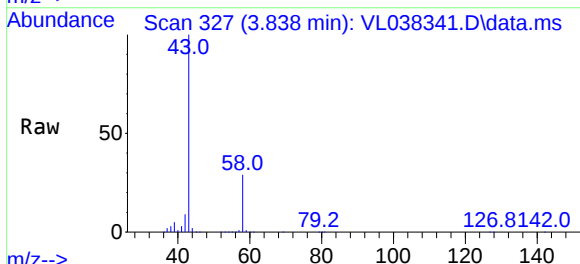
Tgt Ion: 45 Resp: 3404
Ion Ratio Lower Upper
45 100
46 0.0 15.4 61.6

Manual Integrations
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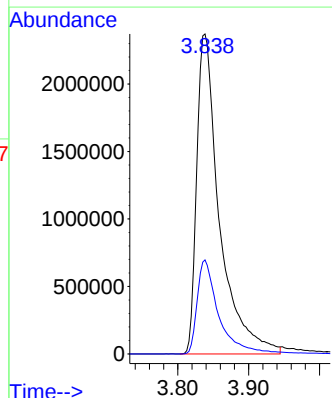
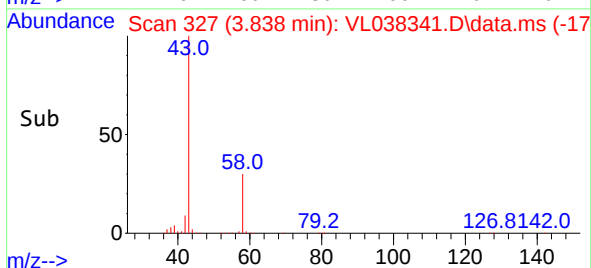
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

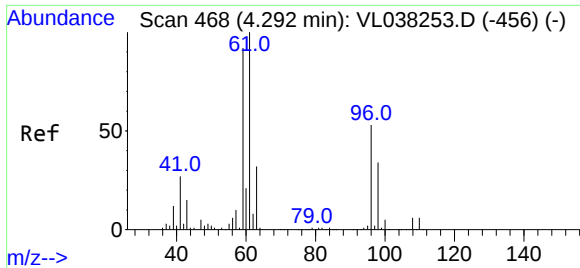


#15
Acetone
Concen: 61.222 ppbv
RT: 3.838 min Scan# 327
Delta R.T. -0.016 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02



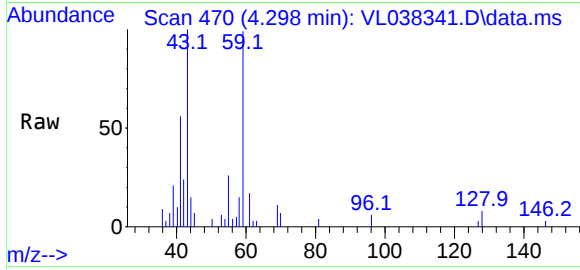
Tgt Ion: 43 Resp: 5284107
Ion Ratio Lower Upper
43 100
58 28.4 21.5 32.3





#17
tert-Butyl alcohol
Concen: 0.113 ppbv m
RT: 4.298 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

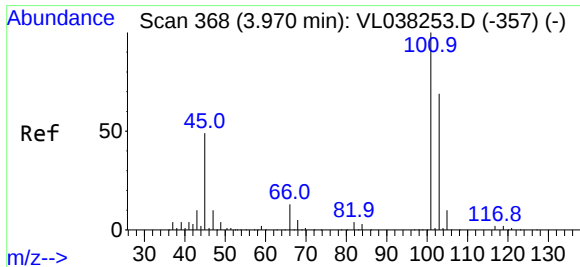
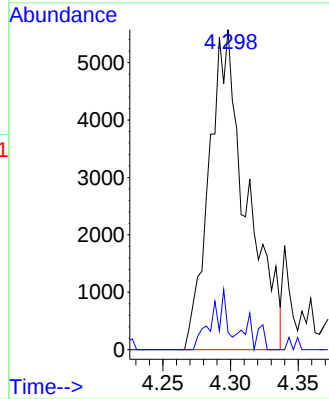
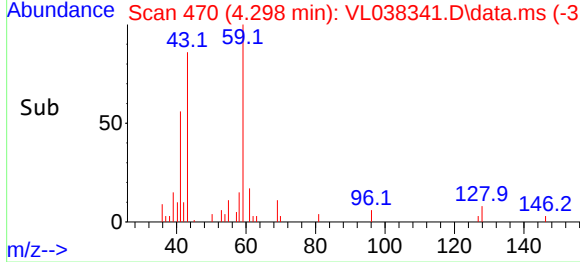
Instrument :
MSVOA_L
ClientSampleId :
SV1



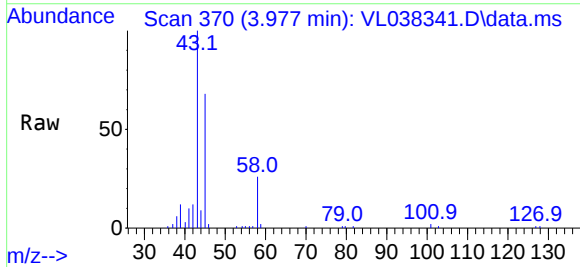
Tgt Ion: 59 Resp: 1075
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8

Manual Integrations
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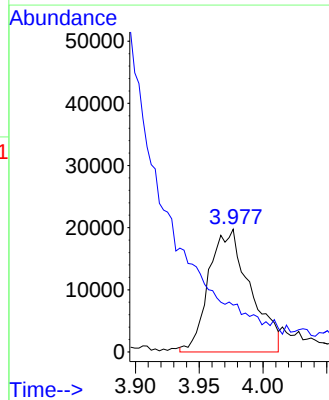
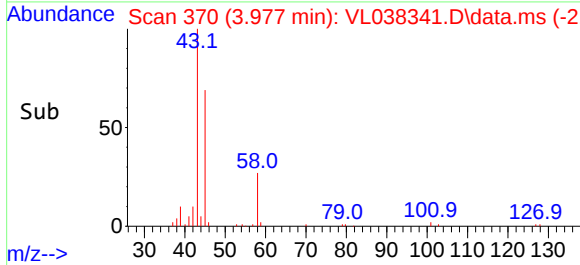
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

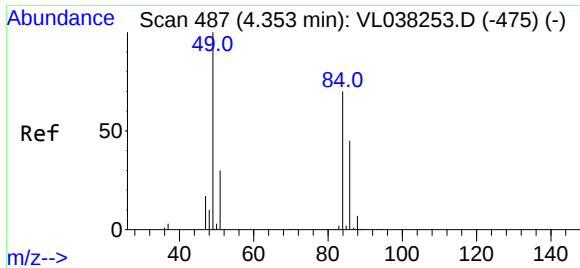


#19
Isopropyl Alcohol
Concen: 0.827 ppbv m
RT: 3.977 min Scan# 370
Delta R.T. 0.007 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02



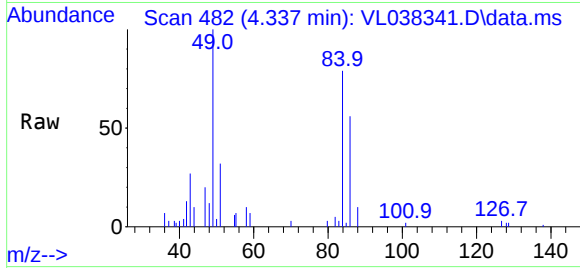
Tgt Ion: 45 Resp: 44638
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5





#20
Methylene Chloride
Concen: 0.299 ppbv
RT: 4.337 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

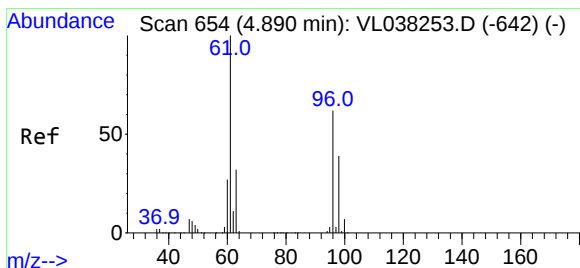
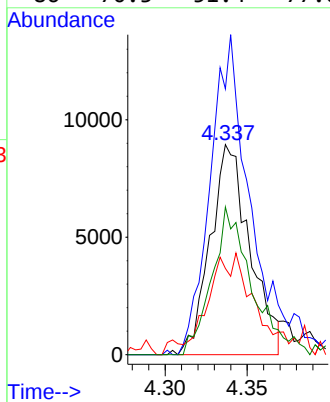
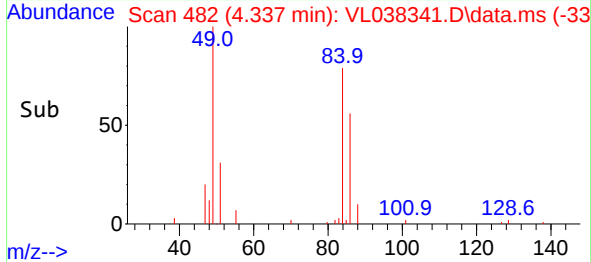
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 15010
Ion Ratio Lower Upper
84 100
49 126.5 115.0 172.6
51 35.9 35.0 52.6
86 70.3 51.4 77.0

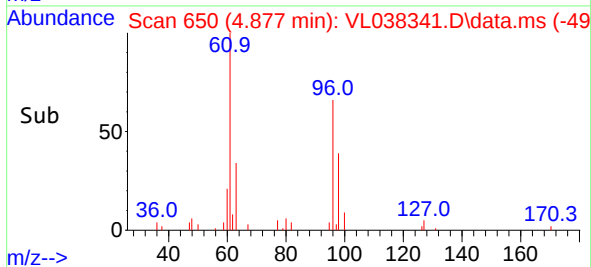
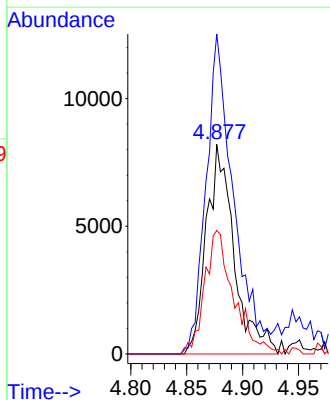
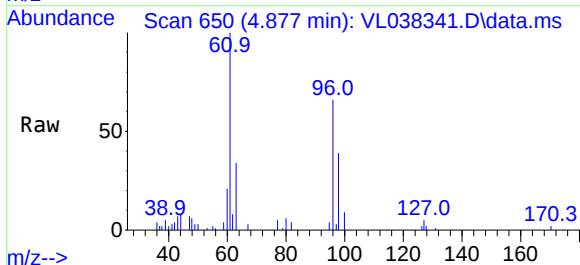
Manual Integrations
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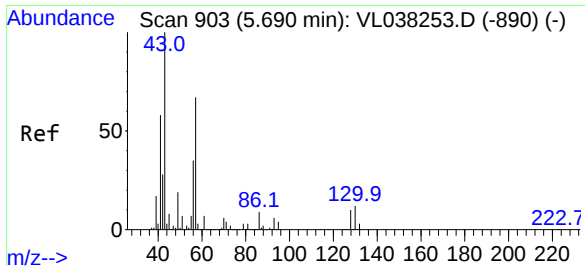
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#22
trans-1,2-Dichloroethene
Concen: 0.256 ppbv m
RT: 4.877 min Scan# 650
Delta R.T. -0.013 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

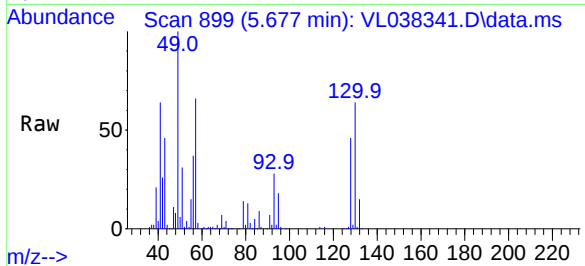
Tgt Ion: 96 Resp: 14096
Ion Ratio Lower Upper
96 100
61 152.6 128.8 193.2
98 58.9 49.8 74.8





#26
Hexane
Concen: 1.807 ppbv
RT: 5.677 min Scan# 899
Delta R.T. -0.013 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

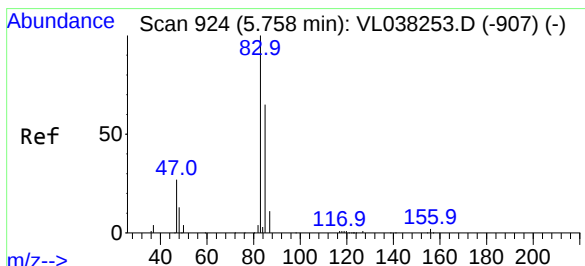
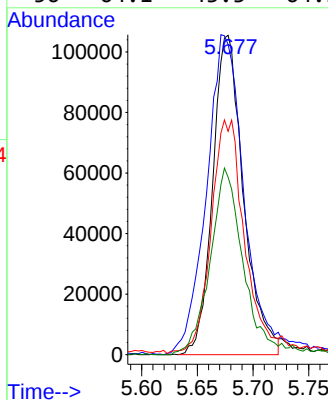
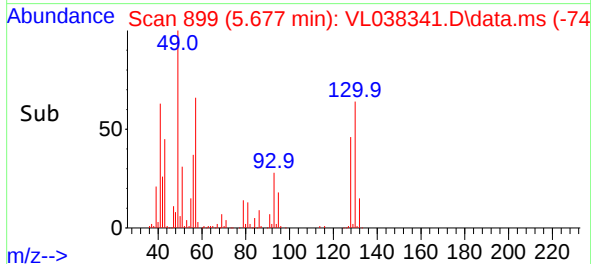
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 20311
Ion Ratio Lower Upper
57 100
41 126.6 72.8 109.2
43 81.0 177.0 265.6
56 64.1 43.3 64.9

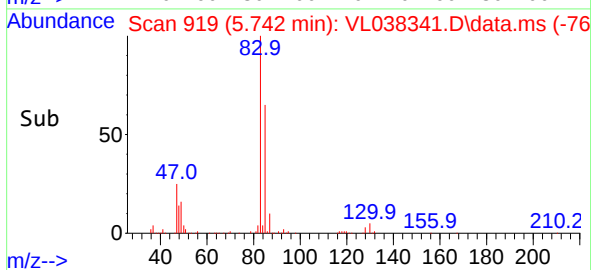
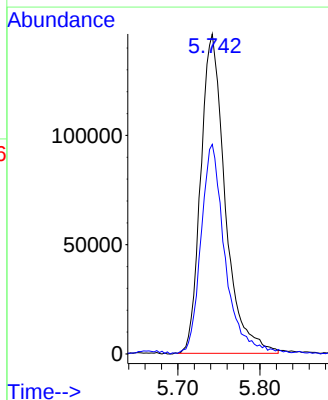
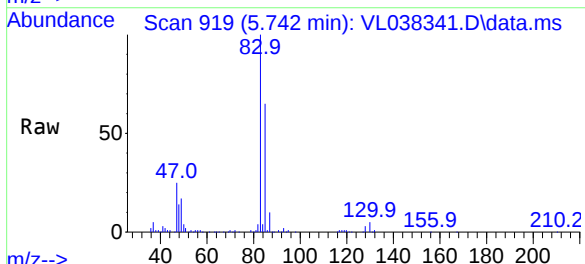
Manual Integrations
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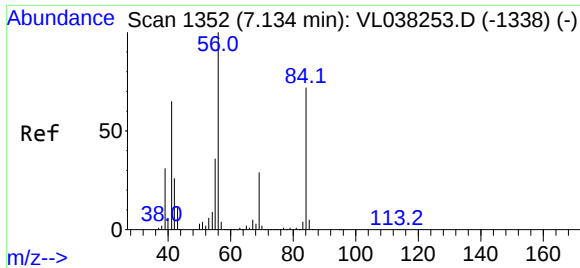
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#29
Chloroform
Concen: 1.650 ppbv
RT: 5.742 min Scan# 919
Delta R.T. -0.016 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

Tgt Ion: 83 Resp: 302762
Ion Ratio Lower Upper
83 100
85 65.4 51.9 77.9





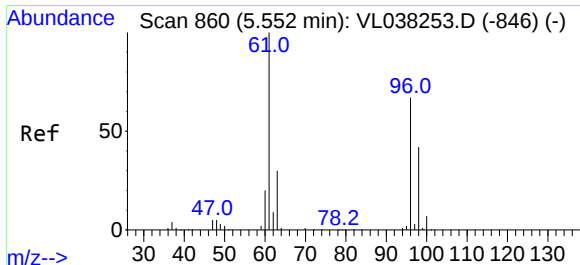
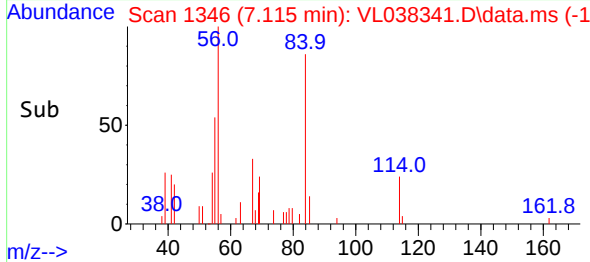
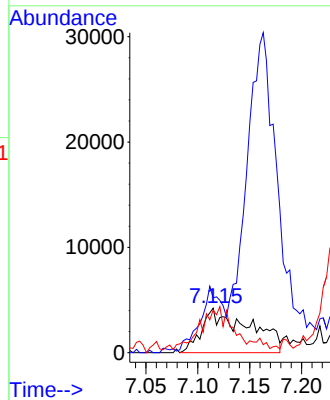
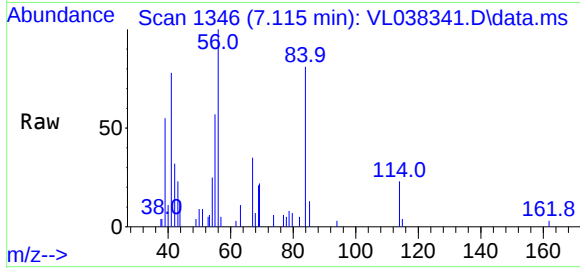
#30
Cyclohexane
Concen: 0.136 ppbv m
RT: 7.115 min Scan# 1335
Delta R.T. -0.019 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 84 Resp: 1335
Ion Ratio Lower Upper
84 100
56 0.0 112.7 169.1
41 0.0 71.1 106.7

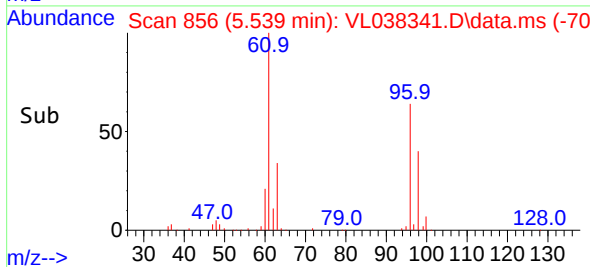
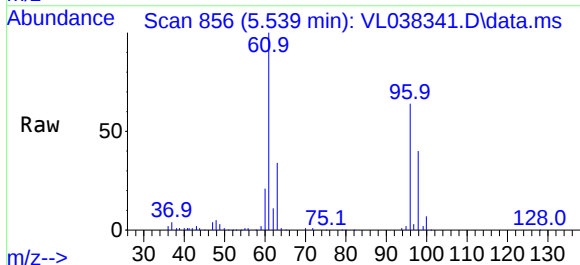
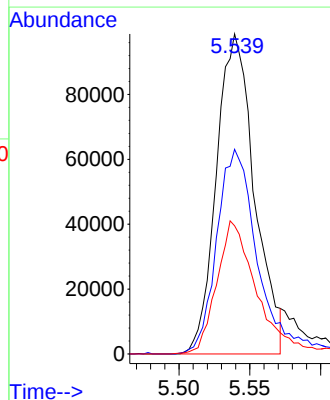
Manual Integrations
APPROVED

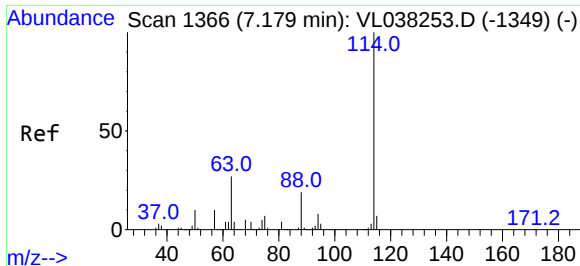
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#31
cis-1,2-Dichloroethene
Concen: 1.883 ppbv
RT: 5.539 min Scan# 856
Delta R.T. -0.013 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

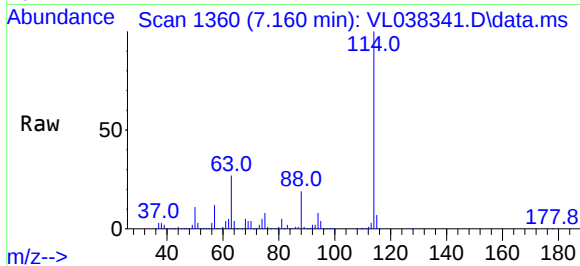
Tgt Ion: 61 Resp: 184598
Ion Ratio Lower Upper
61 100
96 63.6 53.3 79.9
98 39.8 33.7 50.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 114
Delta R.T. -0.019 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

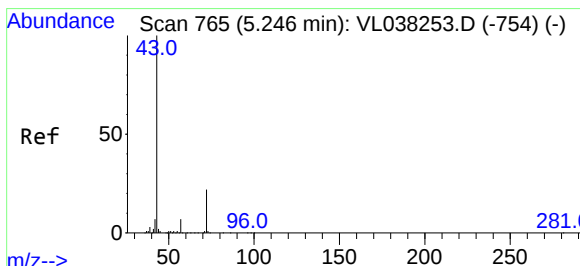
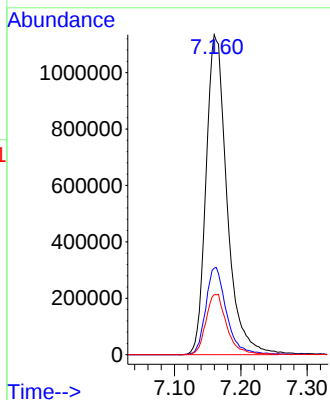
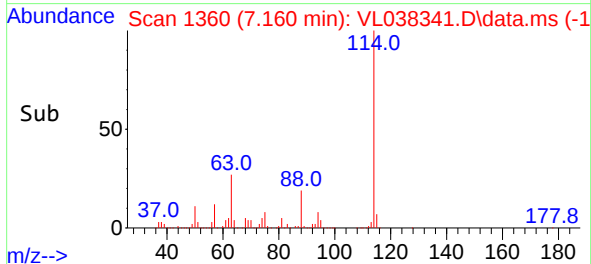
Instrument :
MSVOA_L
ClientSampleId :
SV1



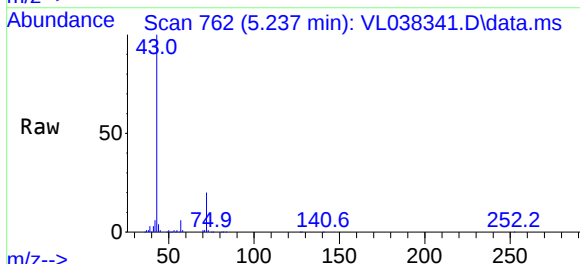
Tgt Ion: 114 Resp: 248770
Ion Ratio Lower Upper
114 100
63 27.3 22.0 33.0
88 19.0 15.0 22.6

Manual Integrations
APPROVED

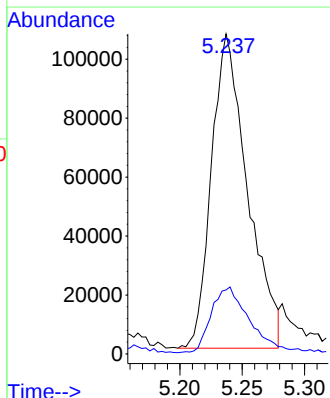
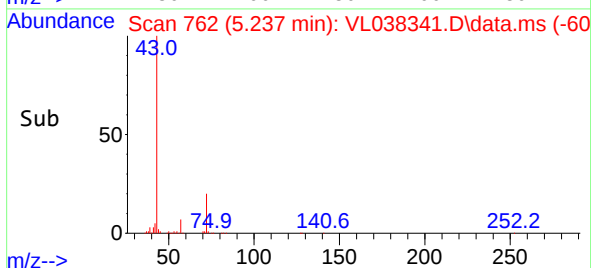
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

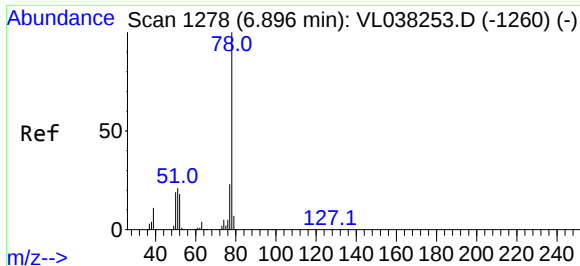


#34
2-Butanone
Concen: 2.647 ppbv
RT: 5.237 min Scan# 762
Delta R.T. -0.009 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02



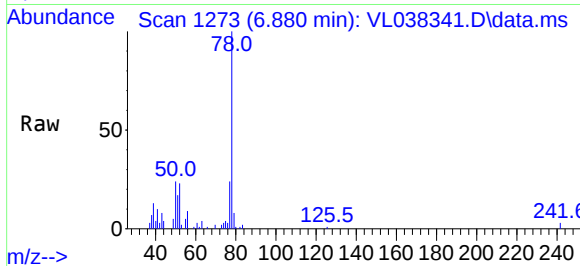
Tgt Ion: 43 Resp: 215353
Ion Ratio Lower Upper
43 100
72 23.0 18.1 27.1





#36
Benzene
Concen: 0.131 ppbv m
RT: 6.880 min Scan# 1
Delta R.T. -0.016 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

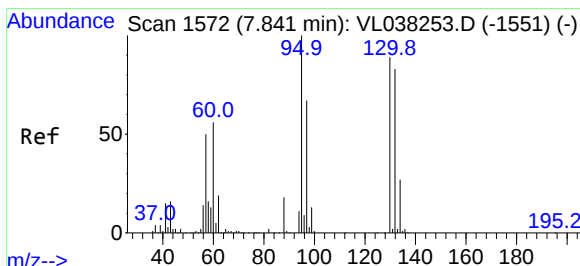
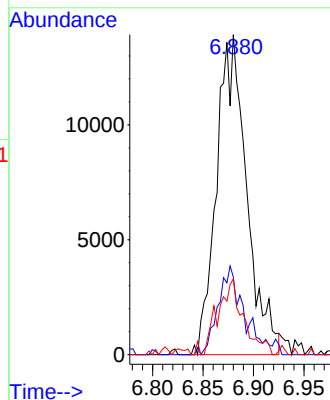
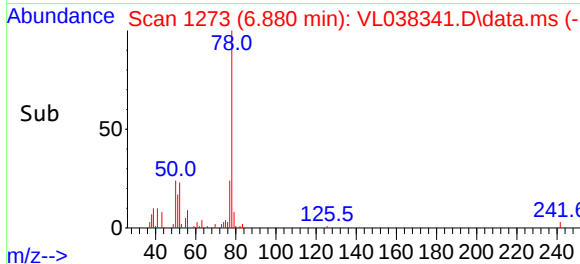
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 2885
Ion Ratio Lower Upper
78 100
77 24.3 18.2 27.2
50 23.7 15.1 22.7

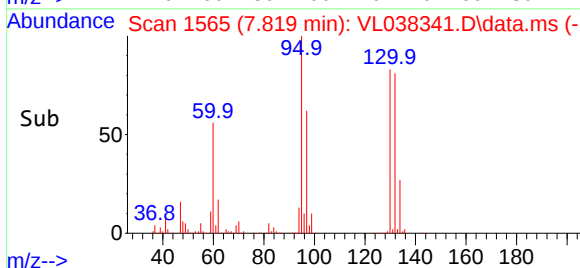
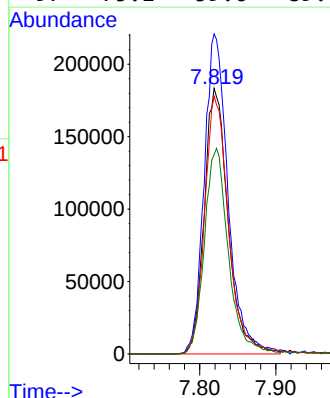
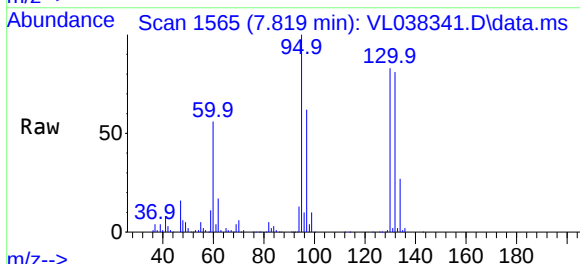
Manual Integrations
APPROVED

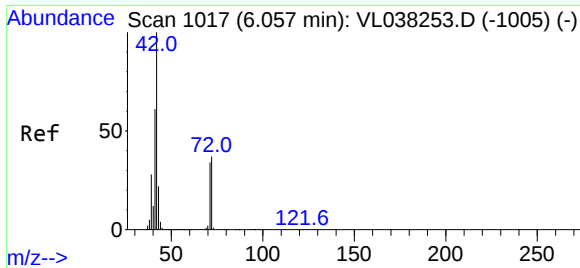
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#38
Trichloroethene
Concen: 4.887 ppbv
RT: 7.819 min Scan# 1565
Delta R.T. -0.022 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

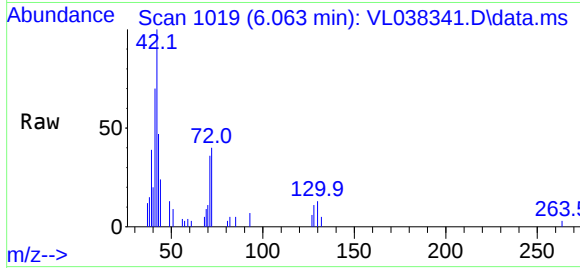
Tgt Ion:130 Resp: 400619
Ion Ratio Lower Upper
130 100
95 120.3 89.4 134.2
132 96.9 74.6 111.8
97 75.1 59.6 89.4





#41
Tetrahydrofuran
Concen: 0.216 ppbv m
RT: 6.063 min Scan# 1017
Delta R.T. 0.007 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

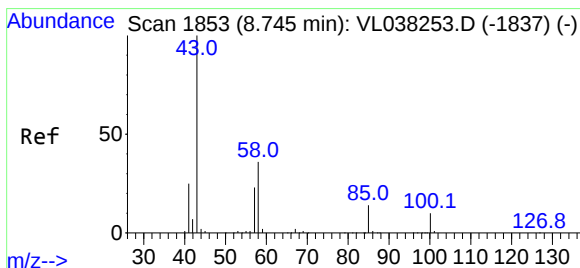
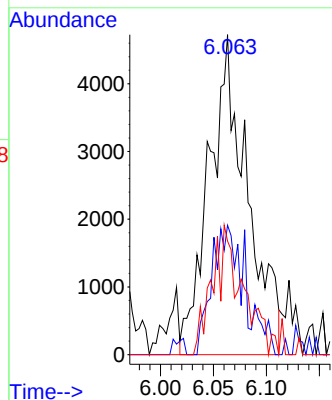
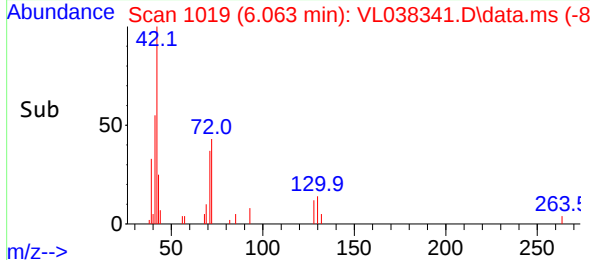
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 42 Resp: 11788
Ion Ratio Lower Upper
42 100
72 0.0 29.7 44.5
71 0.0 29.4 44.2

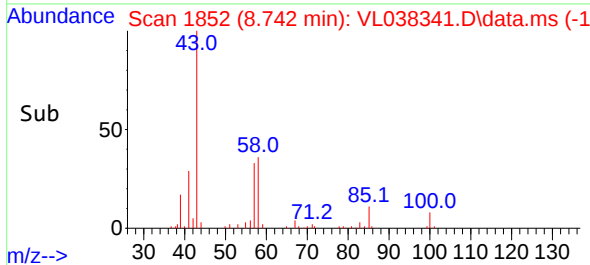
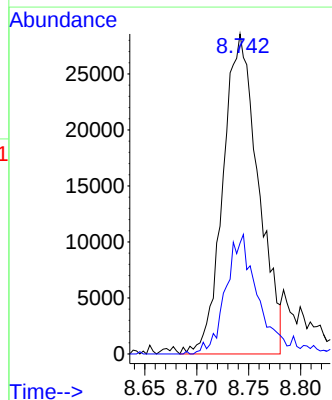
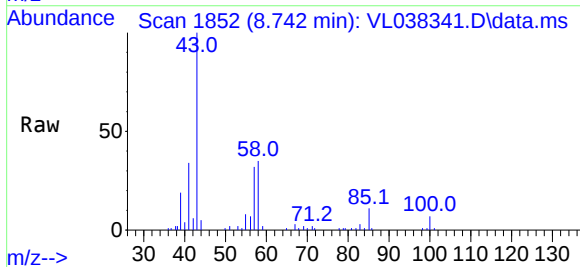
Manual Integrations
APPROVED

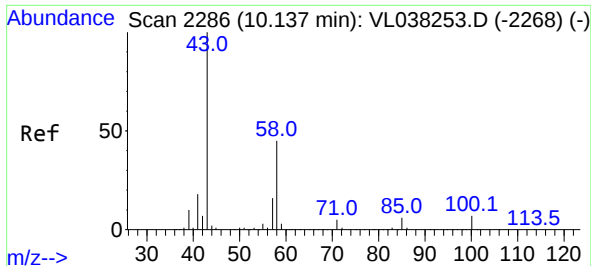
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#50
4-Methyl-2-Pentanone
Concen: 0.465 ppbv
RT: 8.742 min Scan# 1852
Delta R.T. -0.003 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

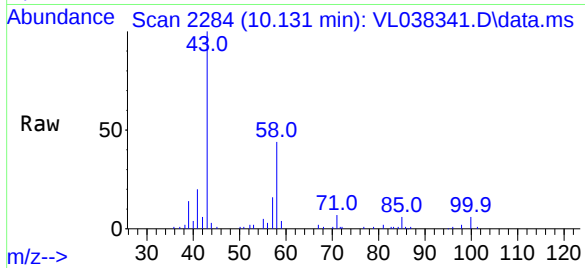
Tgt Ion: 43 Resp: 67424
Ion Ratio Lower Upper
43 100
58 35.5 28.2 42.4





#51
2-Hexanone
Concen: 1.197 ppbv
RT: 10.131 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

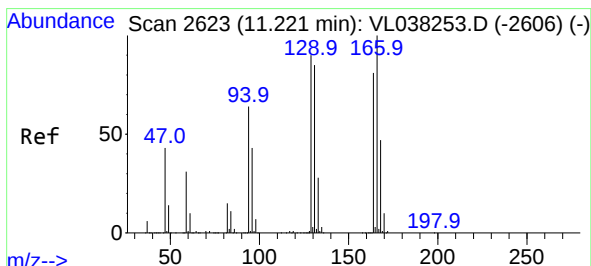
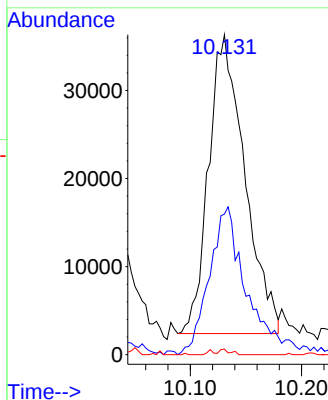
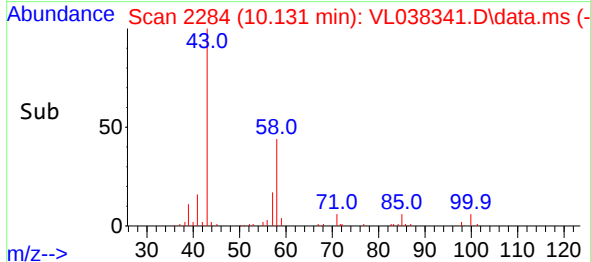
Instrument :
MSVOA_L
ClientSampleId :
SV1



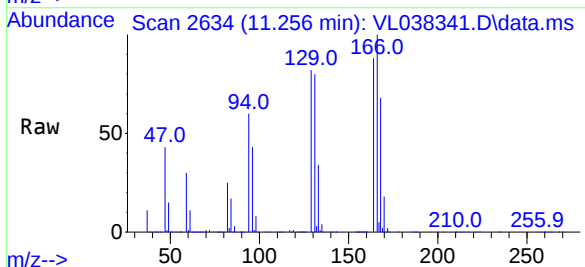
Tgt Ion: 43 Resp: 76500
Ion Ratio Lower Upper
43 100
58 51.2 37.0 55.4
98 0.8 0.2 0.2

Manual Integrations
APPROVED

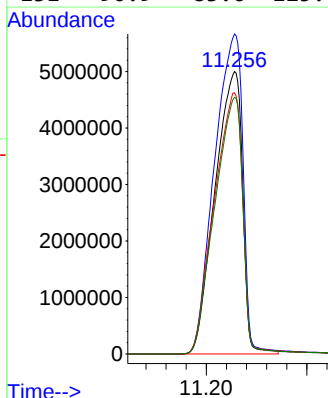
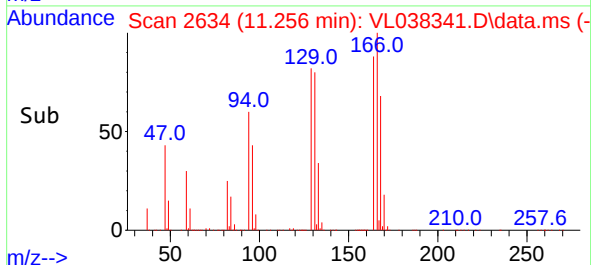
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

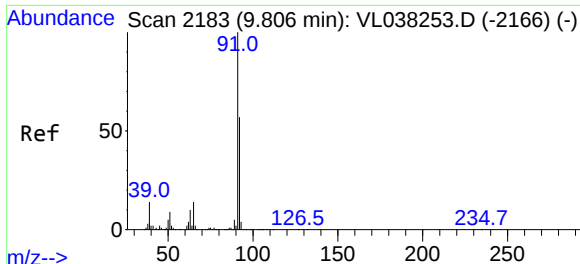


#52
Tetrachloroethene
Concen: 250.030 ppbv
RT: 11.256 min Scan# 2634
Delta R.T. 0.036 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02



Tgt Ion:164 Resp:18962127
Ion Ratio Lower Upper
164 100
166 113.3 98.8 148.2
129 92.4 89.2 133.8
131 90.9 83.6 125.4





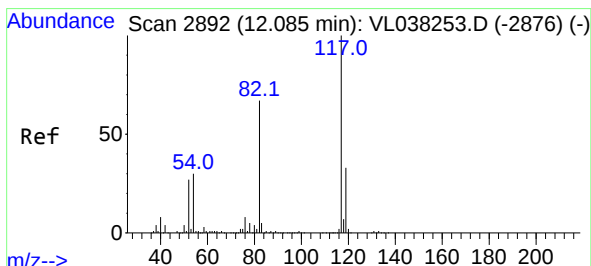
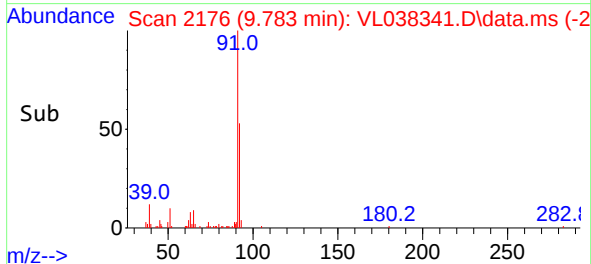
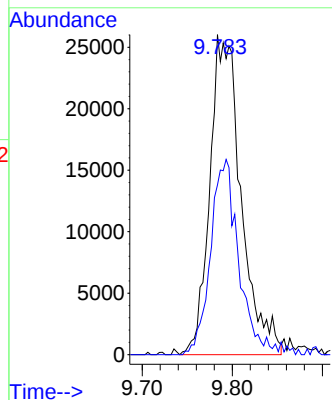
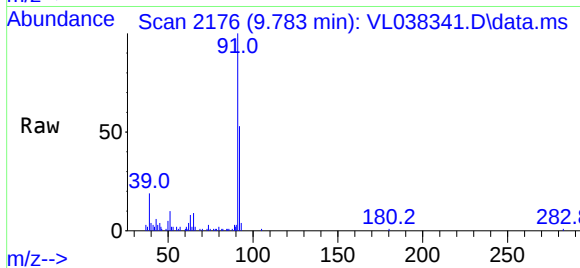
#53
Toluene
Concen: 0.257 ppbv m
RT: 9.783 min Scan# 2183
Delta R.T. -0.022 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 62704
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0

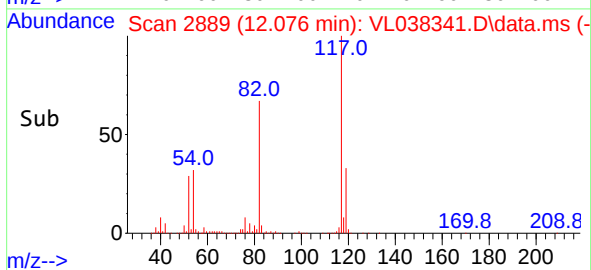
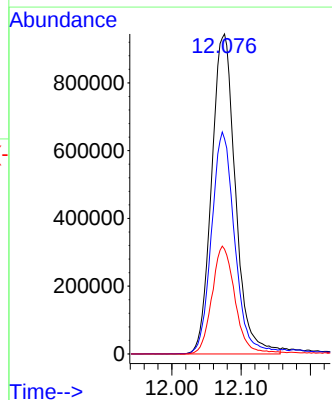
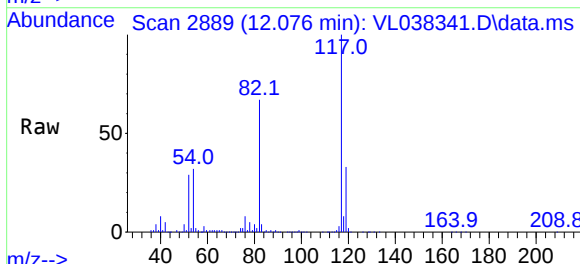
Manual Integrations
APPROVED

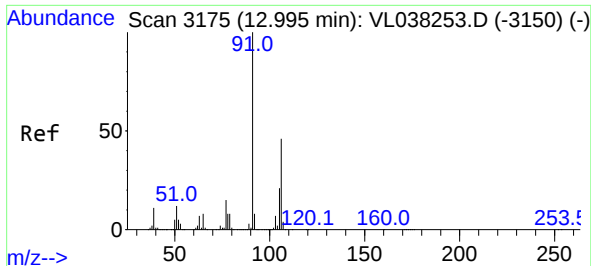
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.009 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

Tgt Ion:117 Resp: 2253537
Ion Ratio Lower Upper
117 100
82 67.6 54.4 81.6
119 33.1 45.9 68.9





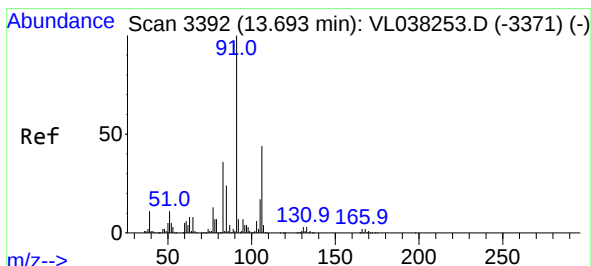
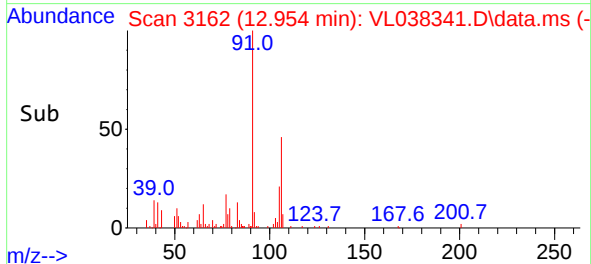
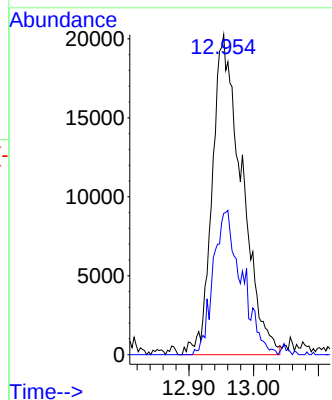
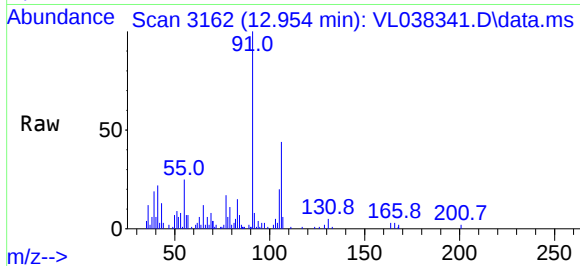
#59
m/p-Xylene
Concen: 0.228 ppbv m
RT: 12.954 min Scan# 3175
Delta R.T. -0.042 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 6453
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2

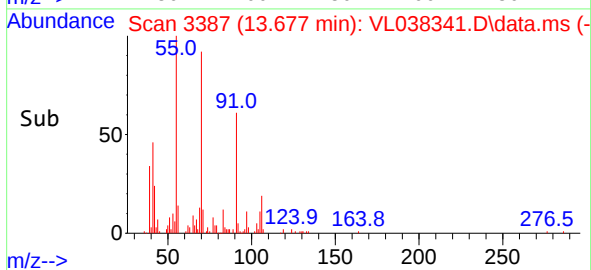
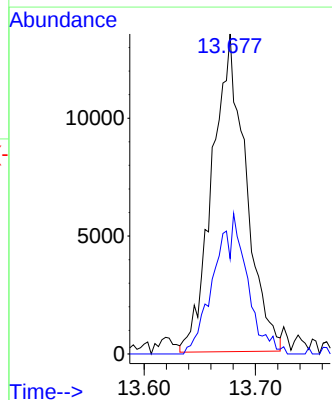
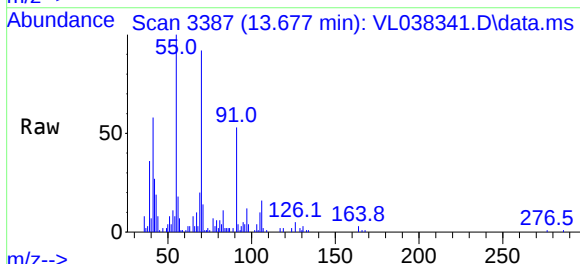
Manual Integrations
APPROVED

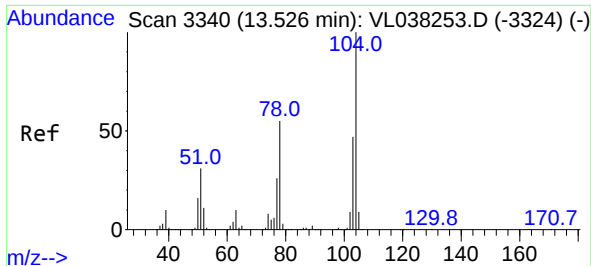
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#60
o-Xylene
Concen: 0.108 ppbv
RT: 13.677 min Scan# 3387
Delta R.T. -0.016 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

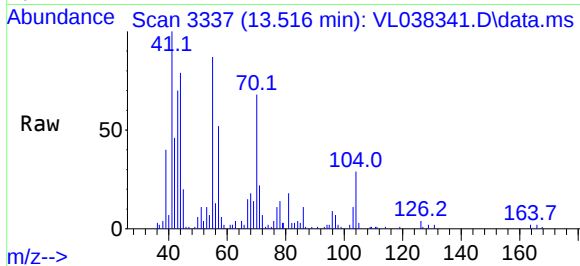
Tgt Ion: 91 Resp: 28357
Ion Ratio Lower Upper
91 100
106 43.5 22.2 66.6





#61
Styrene
Concen: 0.165 ppbv m
RT: 13.516 min Scan# 31
Delta R.T. -0.009 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

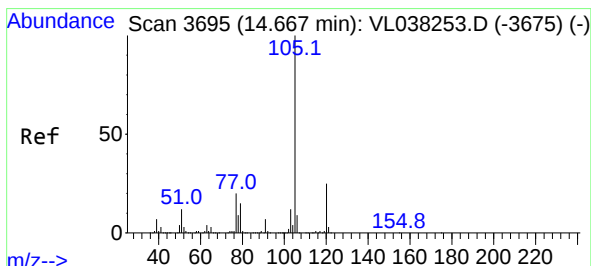
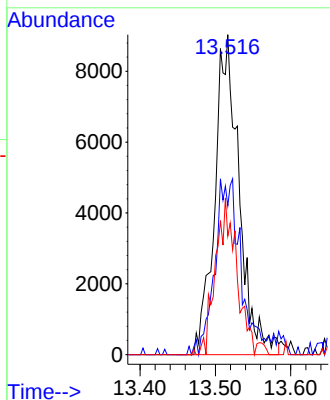
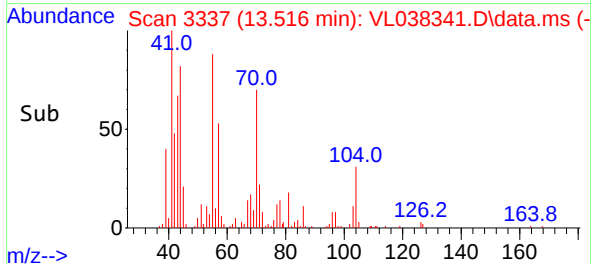
Instrument :
MSVOA_L
ClientSampleId :
SV1



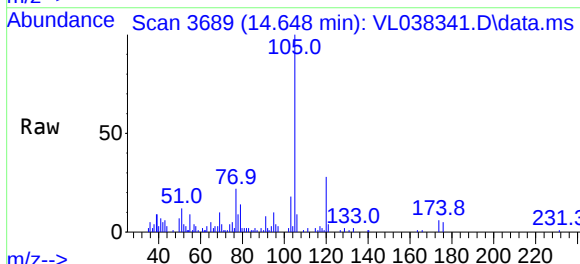
Tgt Ion:104 Resp: 2028
Ion Ratio Lower Upper
104 100
78 0.0 44.2 66.4
103 43.4 38.2 57.4

Manual Integrations
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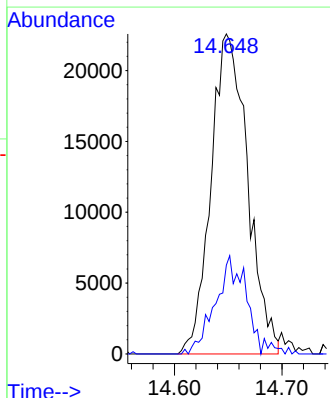
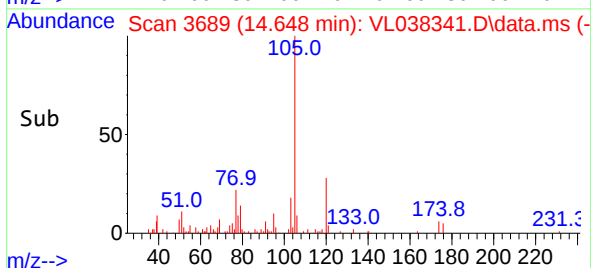
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



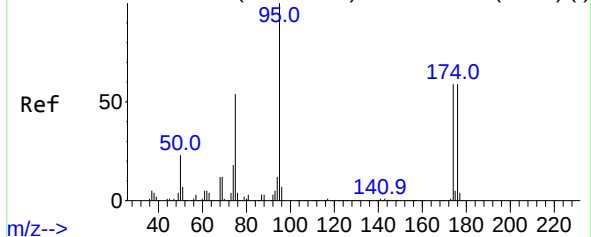
#62
Isopropylbenzene
Concen: 0.153 ppbv
RT: 14.648 min Scan# 3689
Delta R.T. -0.019 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02



Tgt Ion:105 Resp: 53598
Ion Ratio Lower Upper
105 100
120 26.4 20.5 30.7



Abundance Scan 3616 (14.413 min): VL038253.D (-3597) (-)



#68
1-Bromo-4-Fluorobenzene
Concen: 10.931 ppbv
RT: 14.401 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL038341.D
Acq: 14 Feb 2022 15:02

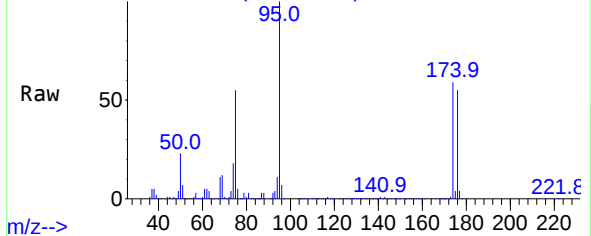
Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 95 Resp: 186968
Ion Ratio Lower Upper
95 100
174 60.8 48.3 72.5
175 4.5 3.5 5.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

Abundance Scan 3612 (14.401 min): VL038341.D\data.ms



Abundance Scan 3612 (14.401 min): VL038341.D\data.ms (-

