

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL038002.D
 Acq On : 10 Nov 2021 5:57
 Operator : SY/AP
 Sample : M4598-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 356-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 10 07:05:34 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 09 07:05:34 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1513438	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	4198783	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	3509160	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	2488810	9.757	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	2.996	51	376562	1.337	ppbv	96
9) Propene	3.018	41	142101	1.407	ppbv	95
13) Ethanol	3.616	45	88927m	8.726	ppbv	
15) Acetone	3.854	43	1322095	10.572	ppbv #	78
16) 1,3-Butadiene	3.317	39	129937	1.319	ppbv #	20
17) tert-Butyl alcohol	4.301	59	54484m	0.419	ppbv	
19) Isopropyl Alcohol	3.983	45	44224m	0.553	ppbv	
20) Methylene Chloride	4.346	84	98706	1.438	ppbv	88
22) trans-1,2-Dichloroethene	4.886	96	107884	1.425	ppbv #	87
26) Hexane	5.697	57	86960	0.494	ppbv #	46
34) 2-Butanone	5.250	43	976345	6.275	ppbv	99
38) Trichloroethene	7.835	130	478927	3.375	ppbv	98
51) 2-Hexanone	10.153	43	45994m	0.534	ppbv	
52) Tetrachloroethene	11.220	164	47131m	0.363	ppbv	
53) Toluene	9.803	91	183254	0.500	ppbv	97
59) m/p-Xylene	12.963	91	141603m	0.371	ppbv	
60) o-Xylene	13.693	91	56550m	0.157	ppbv	
74) 1,2,4-Trimethylbenzene	16.760	105	40421m	0.100	ppbv	

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

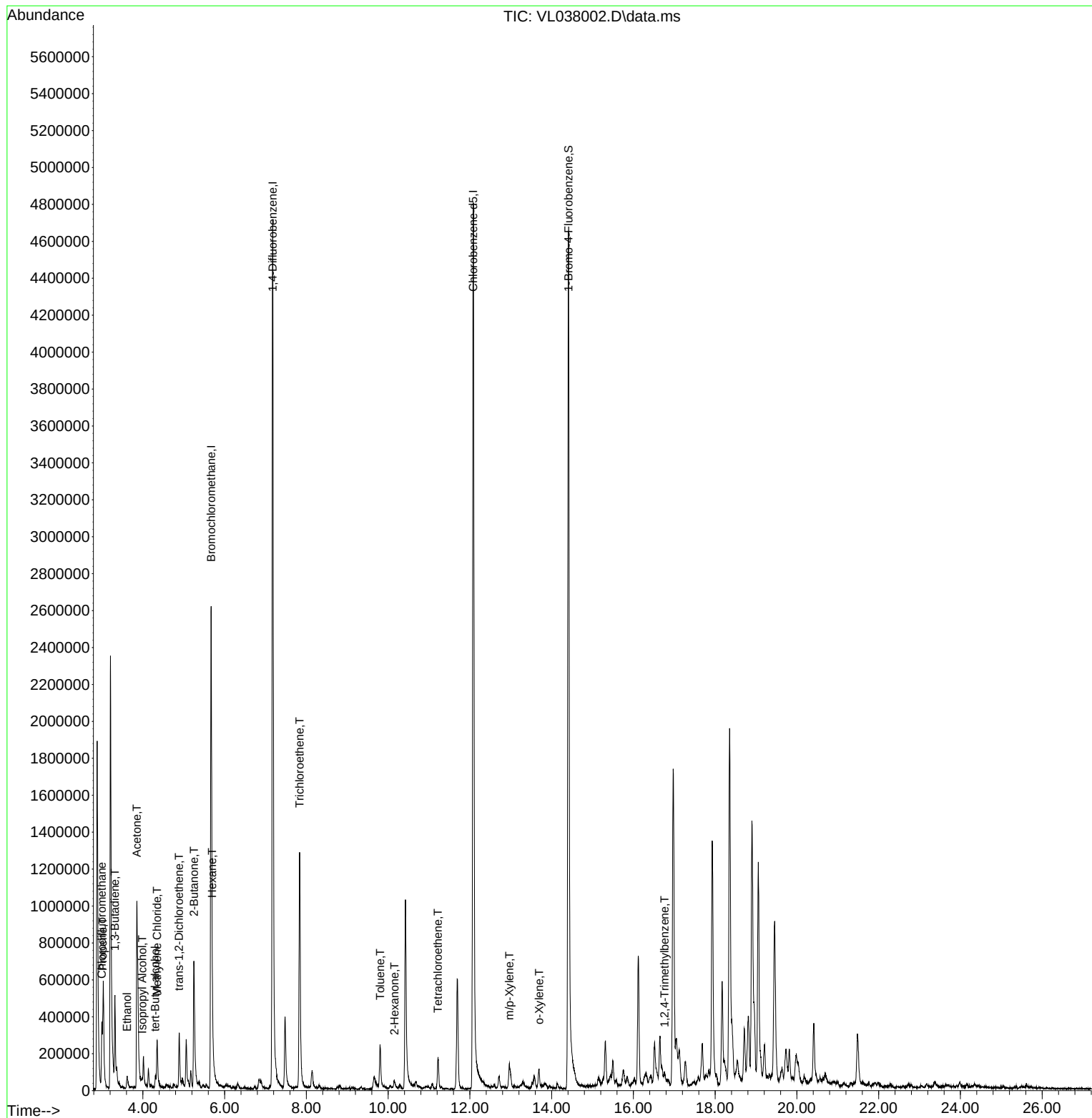
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
Data File : VL038002.D
Acq On : 10 Nov 2021 5:57
Operator : SY/AP
Sample : M4598-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

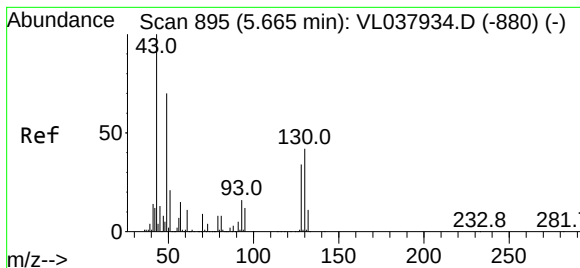
Instrument :
MSVOA_L
ClientSampleId :
356-1DL

Quant Time: Nov 10 07:05:34 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration

Manual Integrations
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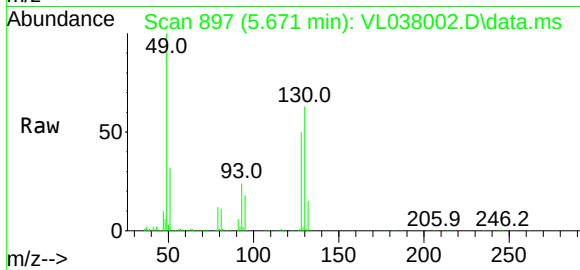
Reviewed By : Semsettin Yesilyurt 11/15/2021
Supervised By : Mahesh Dadoda 11/17/2021





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 895
Delta R.T. 0.006 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

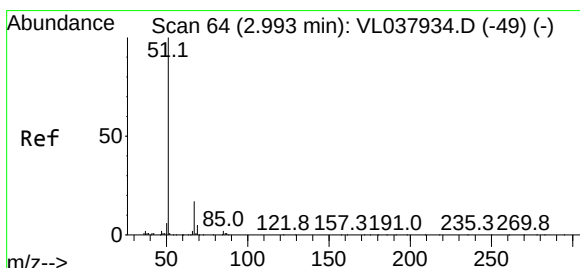
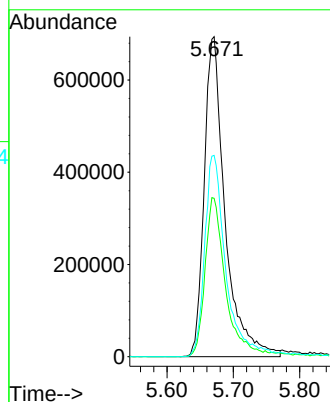
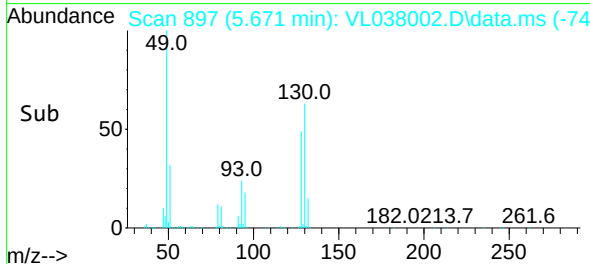
Instrument :
MSVOA_L
ClientSampleId :
356-1DL



Tgt Ion: 49 Resp: 1513438
Ion Ratio Lower Upper
49 100
128 50.6 27.0 81.0
130 66.0 33.4 100.2

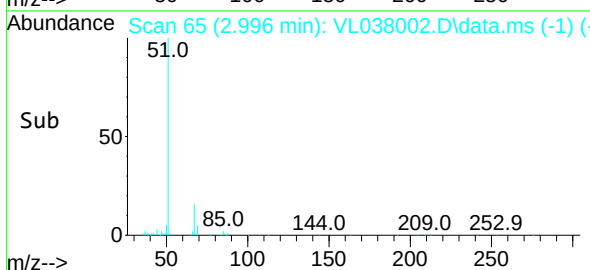
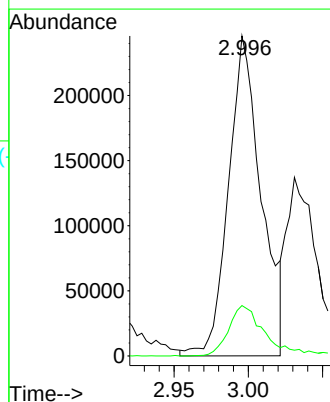
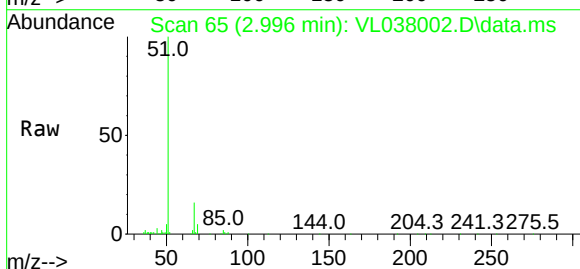
Manual Integrations
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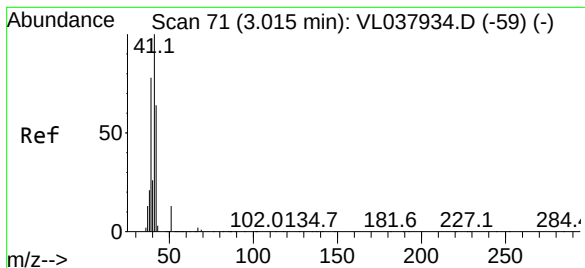
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#3
Chlorodifluoromethane
Concen: 1.337 ppbv
RT: 2.996 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

Tgt Ion: 51 Resp: 376562
Ion Ratio Lower Upper
51 100
67 18.4 13.4 20.0





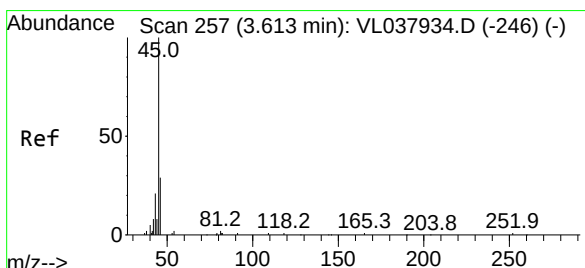
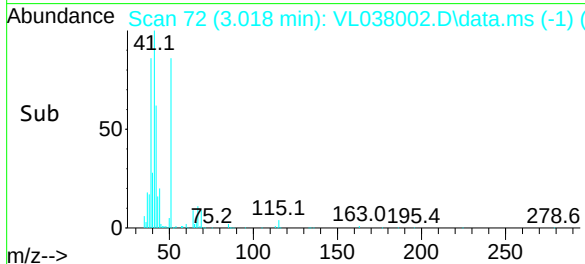
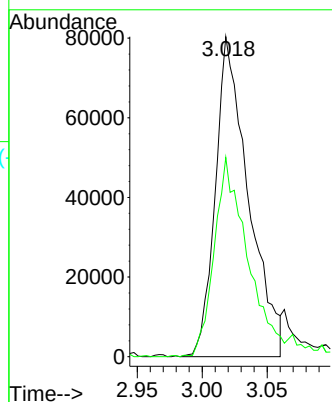
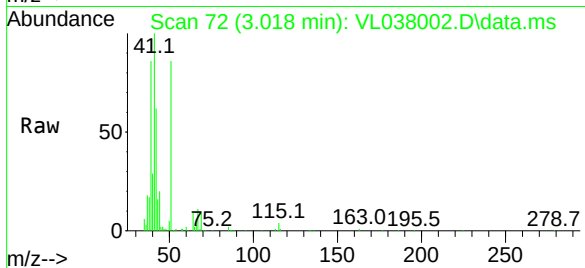
#9
 Propene
 Concen: 1.407 ppbv
 RT: 3.018 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL038002.D
 Acq: 10 Nov 2021 5:57

Instrument :
 MSVOA_L
 ClientSampleId :
 356-1DL

Tgt Ion: 41 Resp: 14210
 Ion Ratio Lower Upper
 41 100
 42 67.5 57.6 86.4

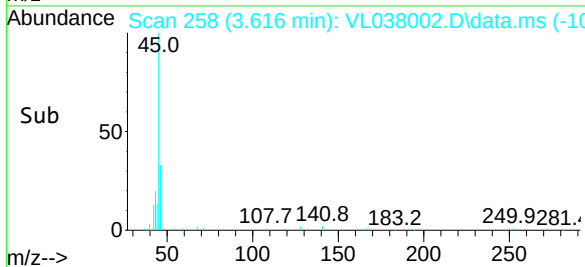
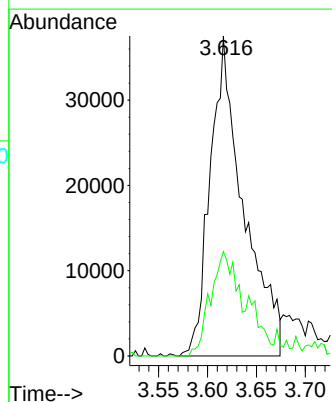
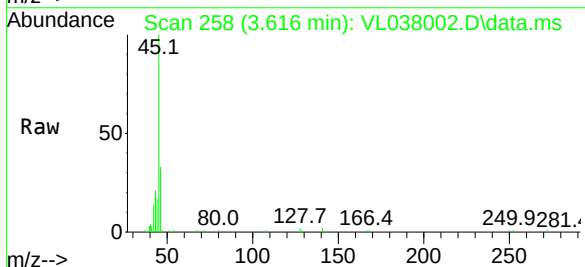
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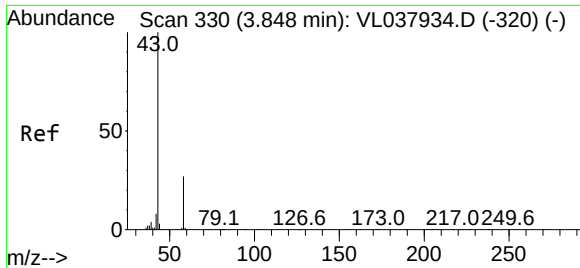
Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#13
 Ethanol
 Concen: 8.726 ppbv m
 RT: 3.616 min Scan# 258
 Delta R.T. 0.003 min
 Lab File: VL038002.D
 Acq: 10 Nov 2021 5:57

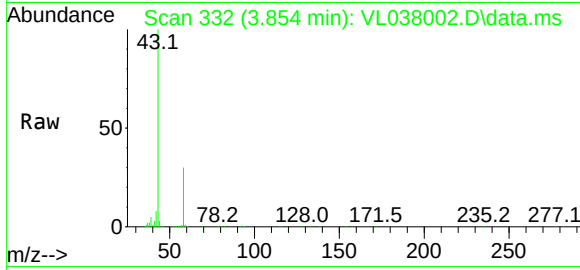
Tgt Ion: 45 Resp: 88927
 Ion Ratio Lower Upper
 45 100
 46 37.0 17.4 69.8





#15
Acetone
Concen: 10.572 ppbv
RT: 3.854 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

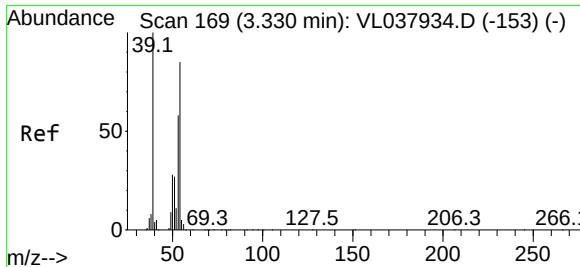
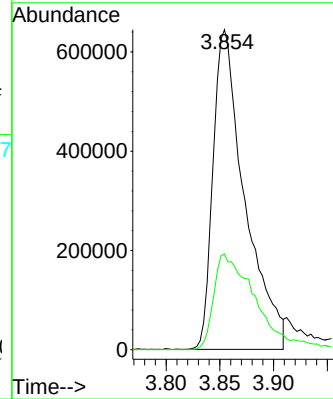
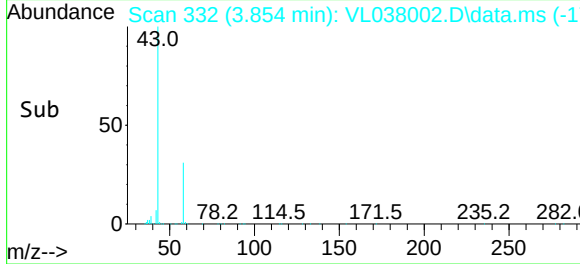
Instrument :
MSVOA_L
ClientSampleId :
356-1DL



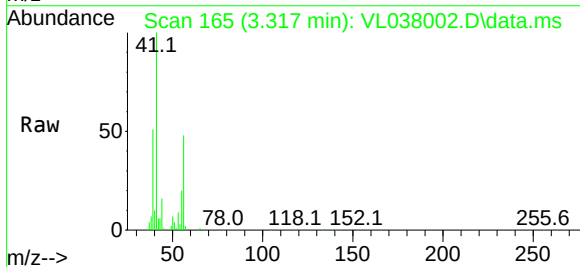
Tgt Ion: 43 Resp: 132209
Ion Ratio Lower Upper
43 100
58 41.0 23.3 34.9

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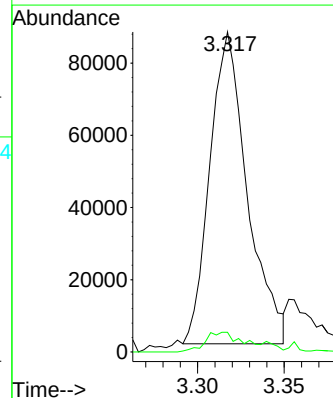
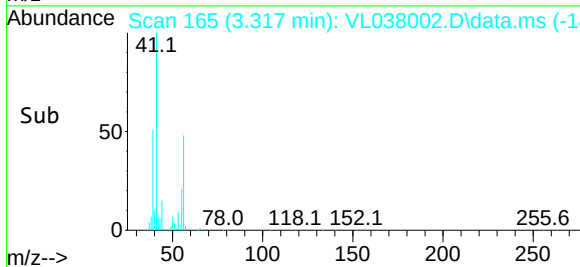
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

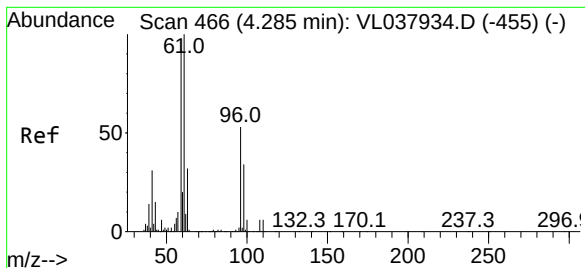


#16
1,3-Butadiene
Concen: 1.319 ppbv
RT: 3.317 min Scan# 165
Delta R.T. -0.013 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57



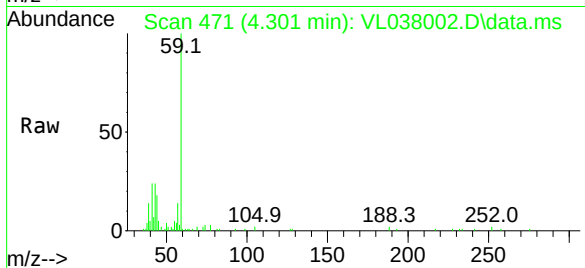
Tgt Ion: 39 Resp: 129937
Ion Ratio Lower Upper
39 100
54 8.5 62.6 93.8





#17
tert-Butyl alcohol
Concen: 0.419 ppbv m
RT: 4.301 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

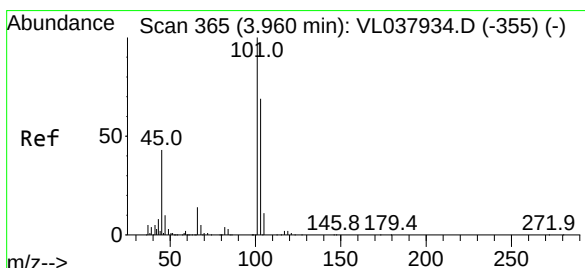
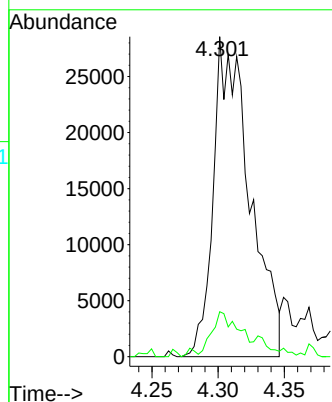
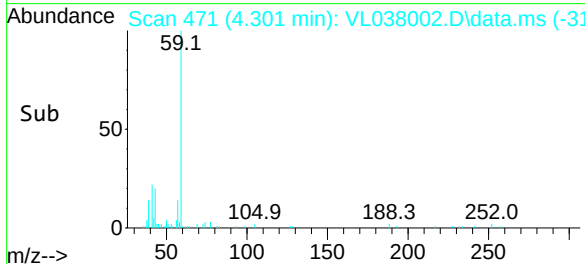
Instrument :
MSVOA_L
ClientSampleId :
356-1DL



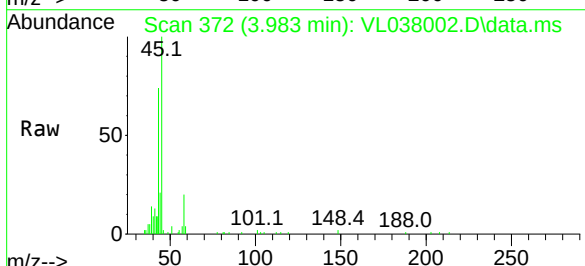
Tgt Ion: 59 Resp: 54484
Ion Ratio Lower Upper
59 100
57 14.5 8.9 13.3

Manual Integrations
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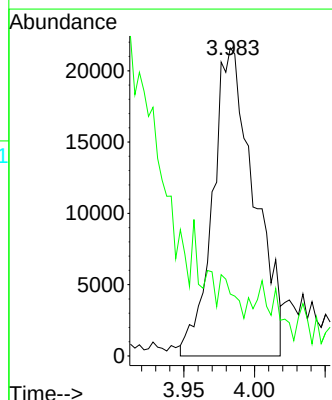
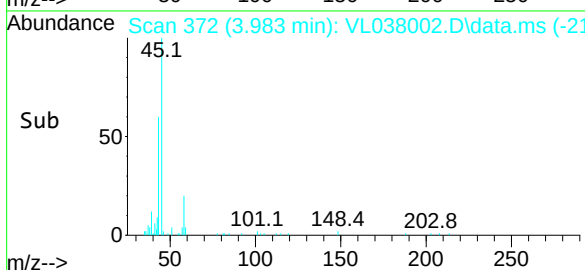
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

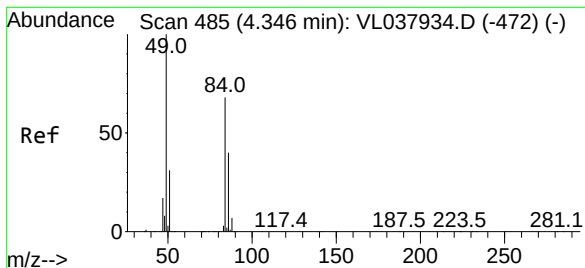


#19
Isopropyl Alcohol
Concen: 0.553 ppbv m
RT: 3.983 min Scan# 372
Delta R.T. 0.022 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57



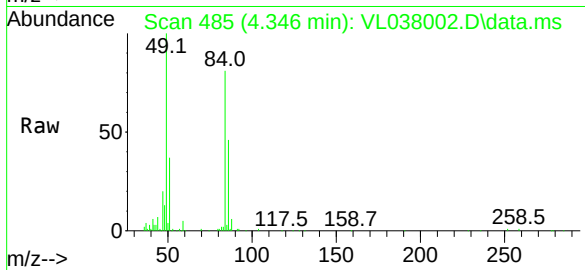
Tgt Ion: 45 Resp: 44224
Ion Ratio Lower Upper
45 100
58 0.0 4.0 6.0





#20
Methylene Chloride
Concen: 1.438 ppbv
RT: 4.346 min Scan# 485
Delta R.T. -0.000 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

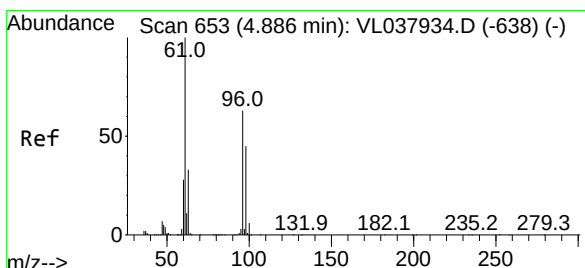
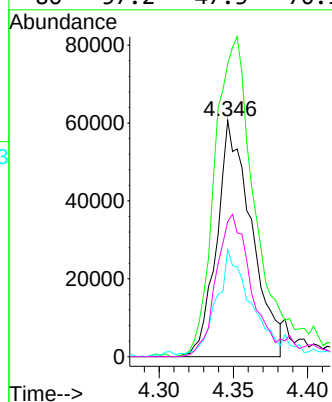
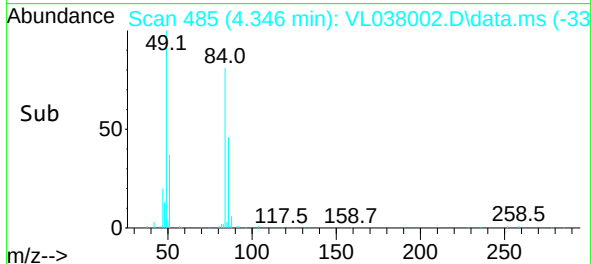
Instrument :
MSVOA_L
ClientSampleId :
356-1DL



Tgt Ion: 84 Resp: 98700
Ion Ratio Lower Upper
84 100
49 123.2 117.5 176.3
51 44.0 35.9 53.9
86 57.2 47.3 70.9

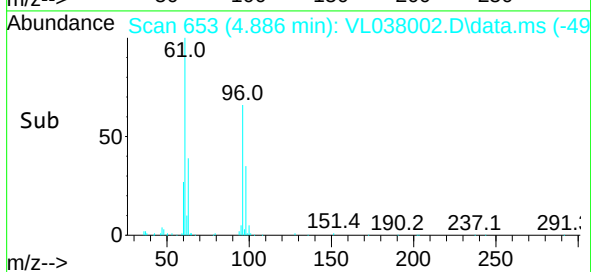
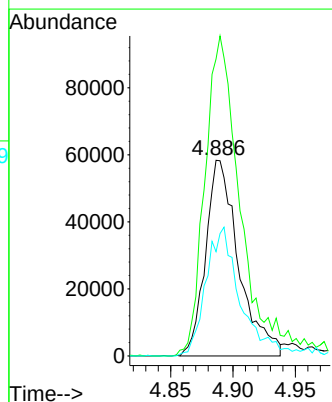
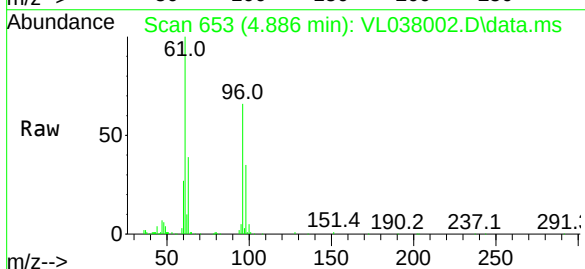
Manual Integrations
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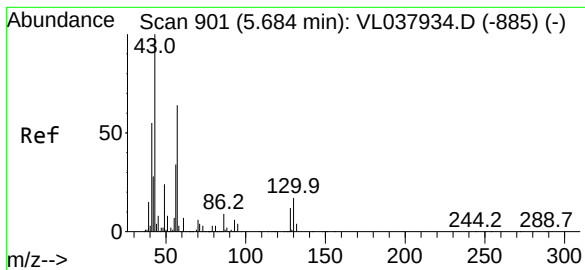
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#22
trans-1,2-Dichloroethene
Concen: 1.425 ppbv
RT: 4.886 min Scan# 653
Delta R.T. -0.000 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

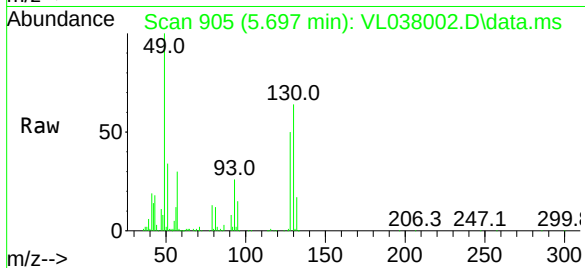
Tgt Ion: 96 Resp: 107884
Ion Ratio Lower Upper
96 100
61 148.9 127.8 191.6
98 52.4 56.9 85.3





#26
Hexane
Concen: 0.494 ppbv
RT: 5.697 min Scan# 901
Delta R.T. 0.013 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

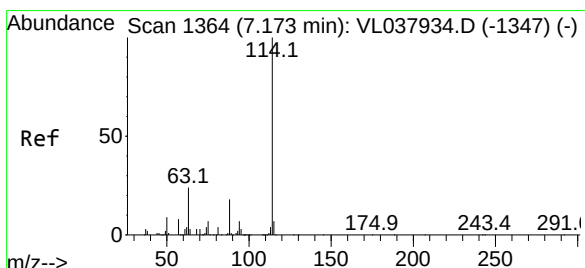
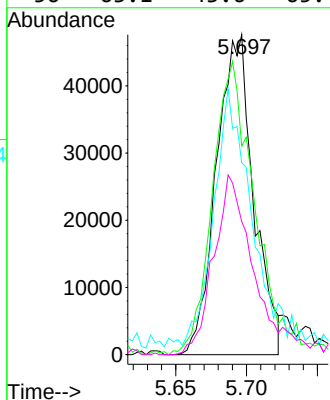
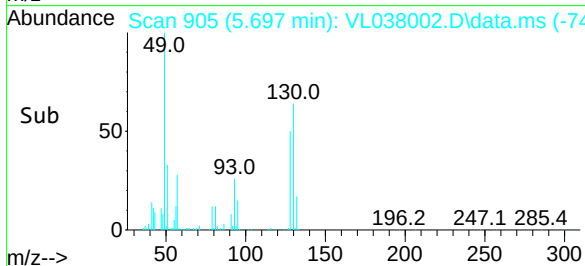
Instrument :
MSVOA_L
ClientSampleId :
356-1DL



Tgt Ion: 57 Resp: 86960
Ion Ratio Lower Upper
57 100
41 103.4 71.0 106.6
43 88.3 173.0 259.6
56 63.1 43.6 65.4

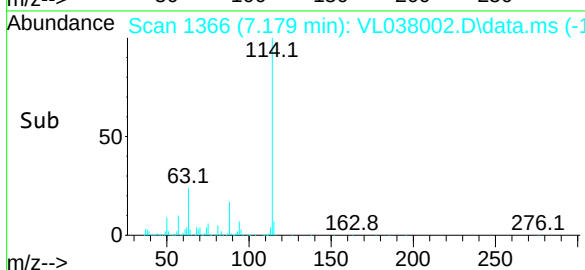
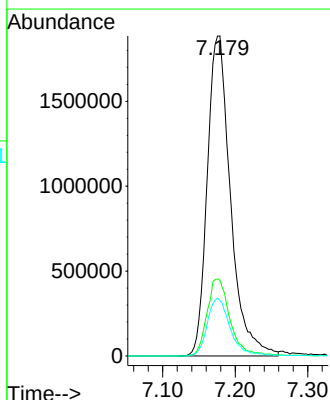
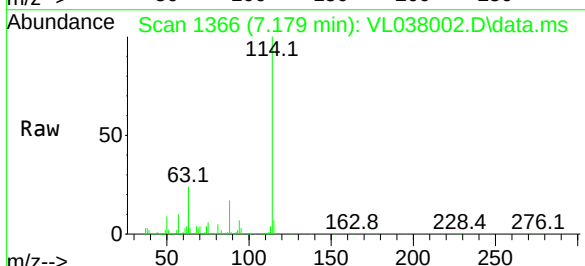
Manual Integrations
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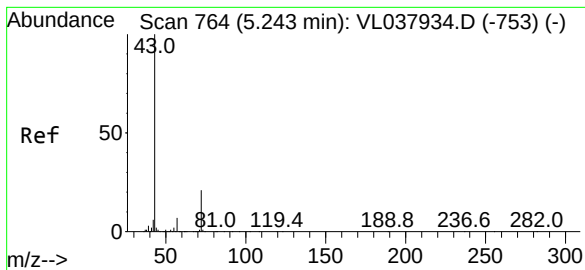
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.006 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

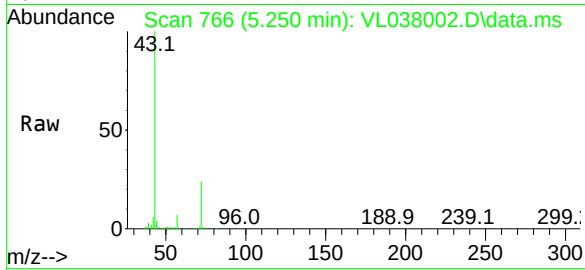
Tgt Ion:114 Resp: 4198783
Ion Ratio Lower Upper
114 100
63 24.0 19.4 29.0
88 17.8 14.2 21.4





#34
2-Butanone
Concen: 6.275 ppbv
RT: 5.250 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

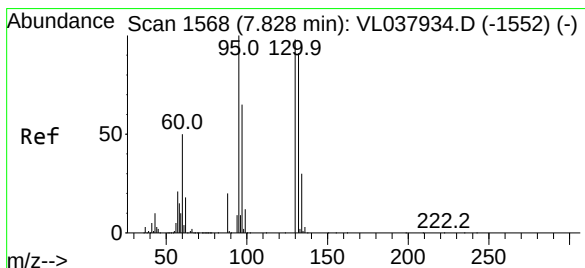
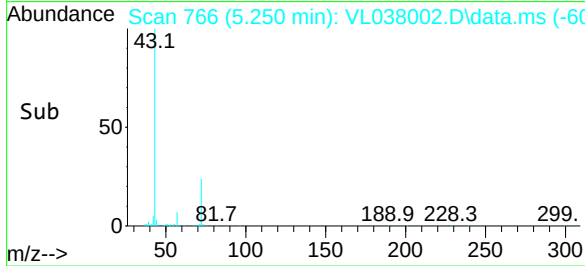
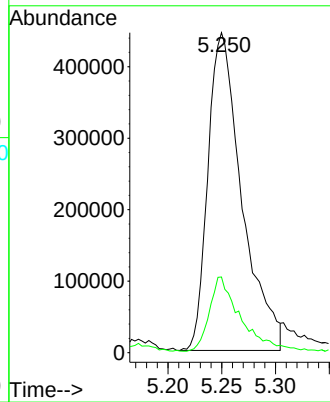
Instrument :
MSVOA_L
ClientSampleId :
356-1DL



Tgt Ion: 43 Resp: 976345
Ion Ratio Lower Upper
43 100
72 23.5 18.3 27.5

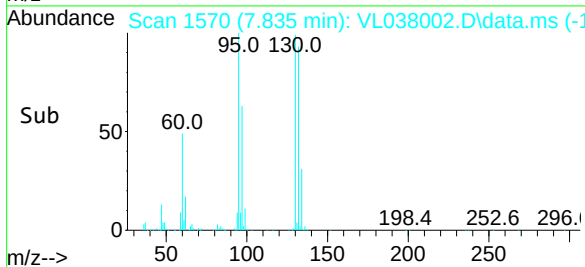
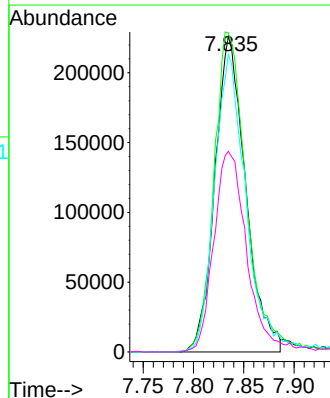
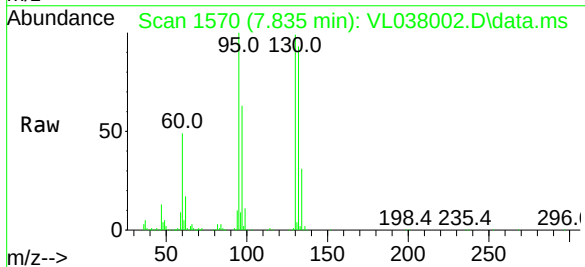
Manual Integrations
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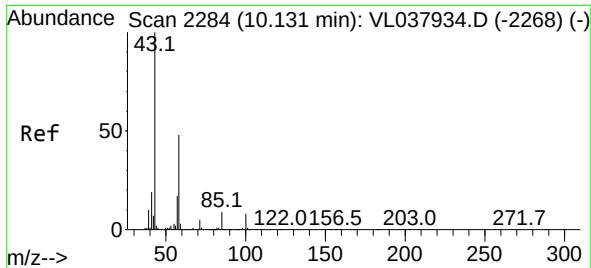
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#38
Trichloroethene
Concen: 3.375 ppbv
RT: 7.835 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

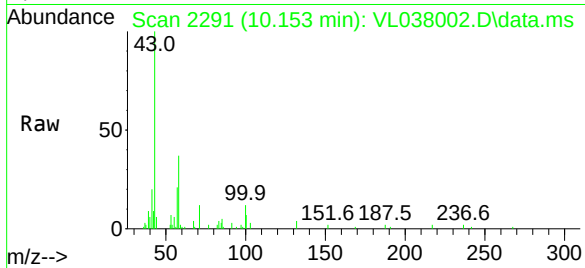
Tgt Ion:130 Resp: 478927
Ion Ratio Lower Upper
130 100
95 100.9 81.8 122.8
132 94.2 74.2 111.2
97 63.5 53.4 80.2





#51
2-Hexanone
Concen: 0.534 ppbv m
RT: 10.153 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

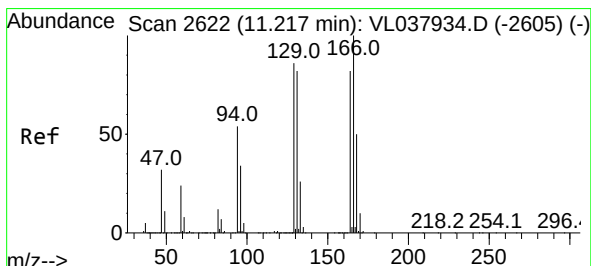
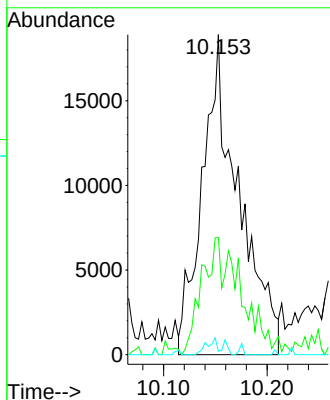
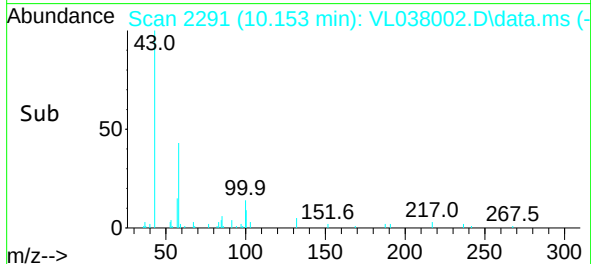
Instrument :
MSVOA_L
ClientSampleId :
356-1DL



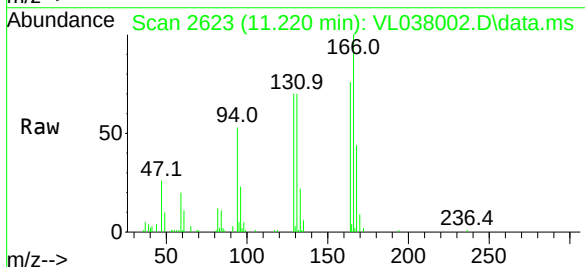
Tgt Ion: 43 Resp: 45994
Ion Ratio Lower Upper
43 100
58 83.9 38.6 57.8
98 5.2 1.0 1.4

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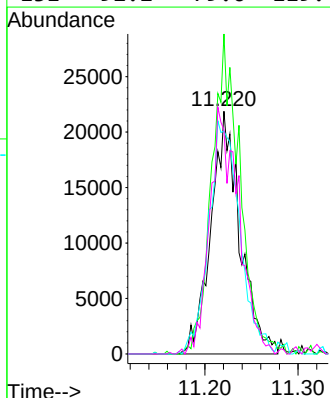
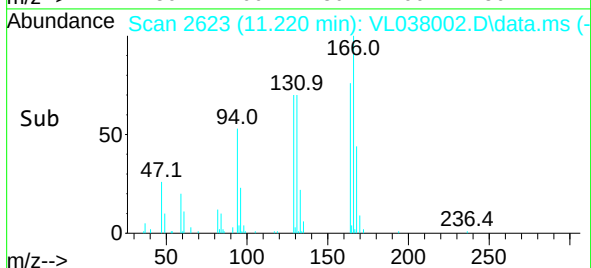
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

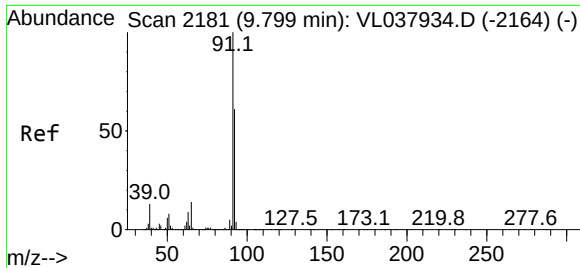


#52
Tetrachloroethene
Concen: 0.363 ppbv m
RT: 11.220 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57



Tgt Ion:164 Resp: 47131
Ion Ratio Lower Upper
164 100
166 131.8 97.6 146.4
129 91.8 84.2 126.2
131 92.2 79.6 119.4





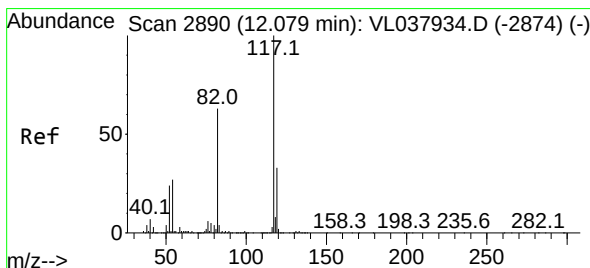
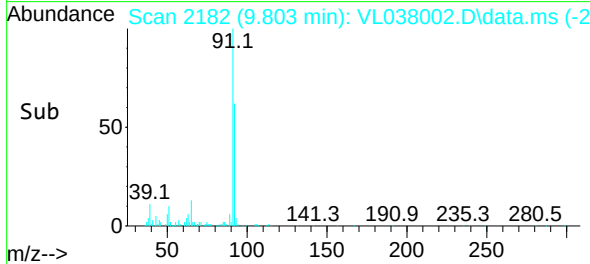
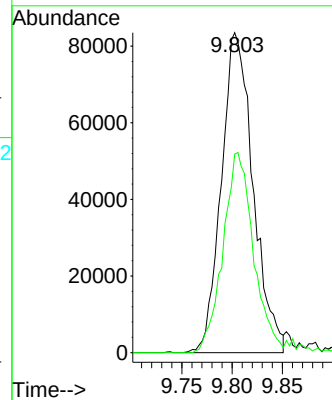
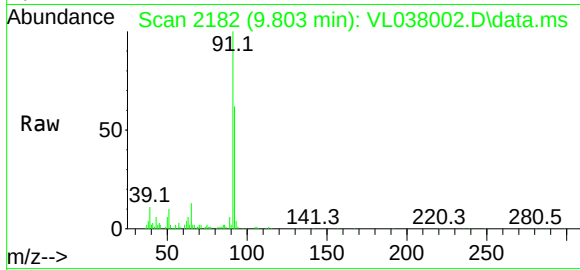
#53
Toluene
Concen: 0.500 ppbv
RT: 9.803 min Scan# 2181
Delta R.T. 0.003 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

Instrument :
MSVOA_L
ClientSampleId :
356-1DL

Tgt Ion: 91 Resp: 183254
Ion Ratio Lower Upper
91 100
92 62.5 48.2 72.4

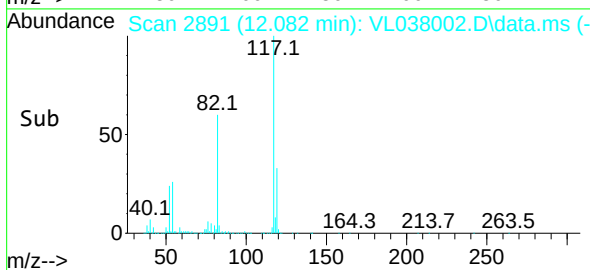
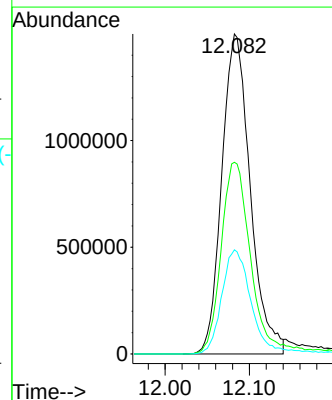
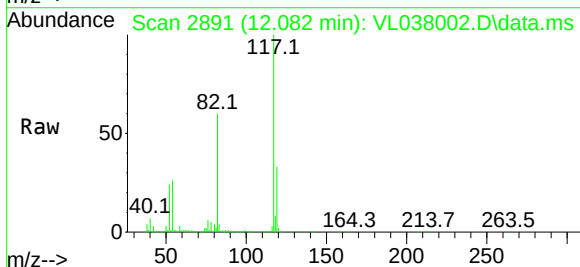
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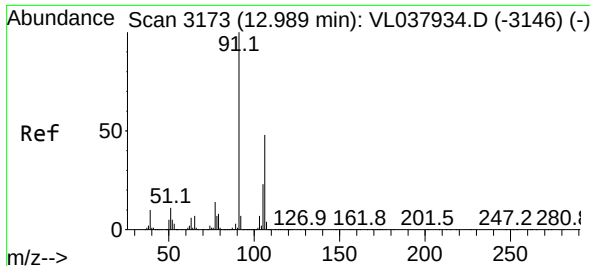
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

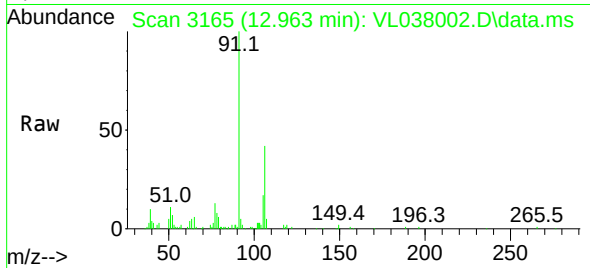
Tgt Ion:117 Resp: 3509160
Ion Ratio Lower Upper
117 100
82 64.9 51.0 76.6
119 34.5 26.9 40.3





#59
m/p-Xylene
Concen: 0.371 ppbv m
RT: 12.963 min Scan# 3173
Delta R.T. -0.026 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

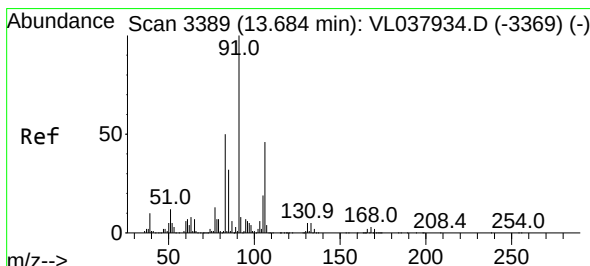
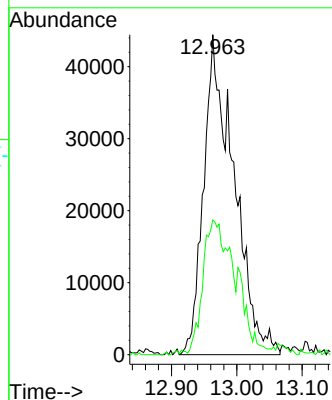
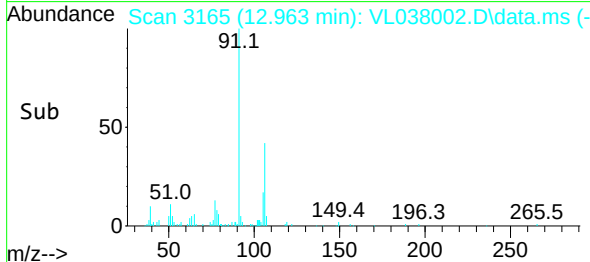
Instrument :
MSVOA_L
ClientSampleId :
356-1DL



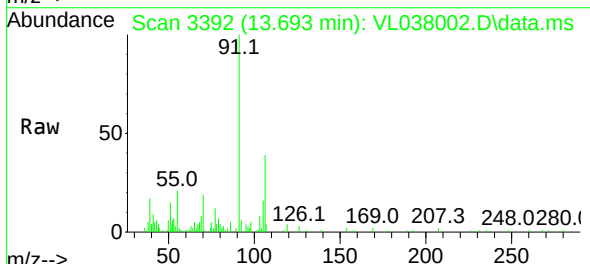
Tgt Ion: 91 Resp: 14160
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7

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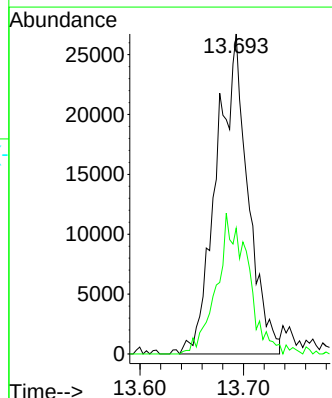
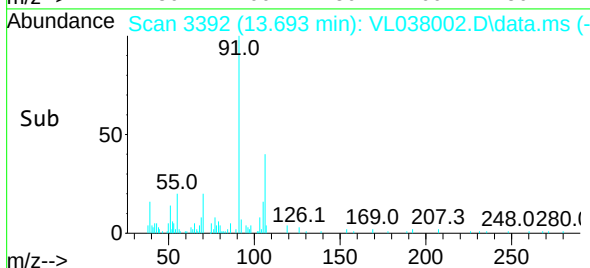
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

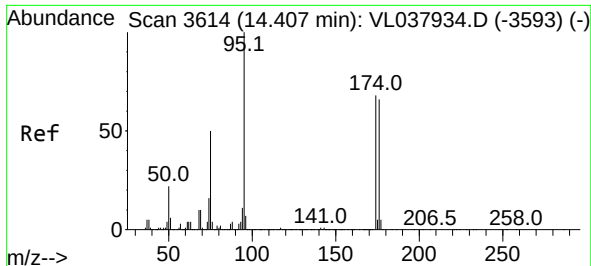


#60
o-Xylene
Concen: 0.157 ppbv m
RT: 13.693 min Scan# 3392
Delta R.T. 0.009 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57



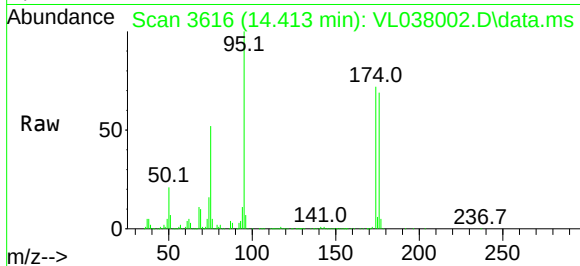
Tgt Ion: 91 Resp: 56550
Ion Ratio Lower Upper
91 100
106 0.0 23.5 70.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.757 ppbv
RT: 14.413 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57

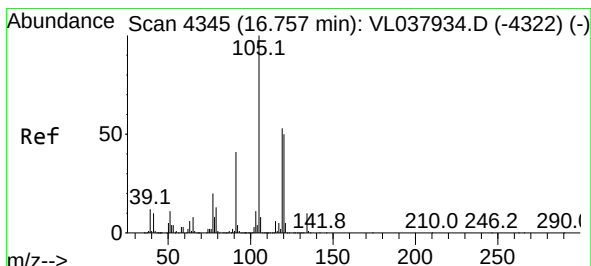
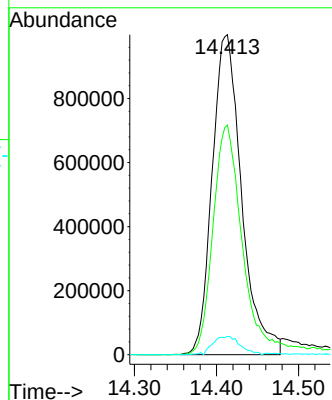
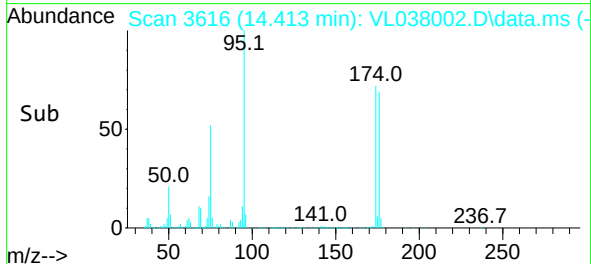
Instrument :
MSVOA_L
ClientSampleId :
356-1DL



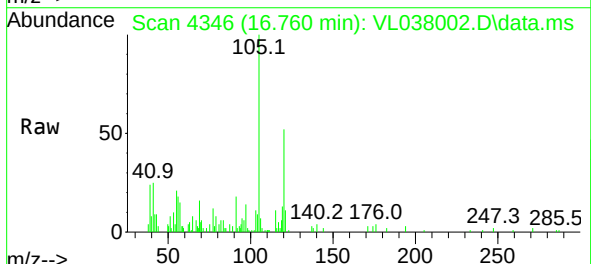
Tgt Ion: 95 Resp: 2488810
Ion Ratio Lower Upper
95 100
174 75.7 58.3 87.5
175 5.7 4.6 6.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#74
1,2,4-Trimethylbenzene
Concen: 0.100 ppbv m
RT: 16.760 min Scan# 4346
Delta R.T. 0.003 min
Lab File: VL038002.D
Acq: 10 Nov 2021 5:57



Tgt Ion:105 Resp: 40421
Ion Ratio Lower Upper
105 100
120 52.1 40.0 60.0
91 17.8 32.6 49.0#
77 11.7 15.8 23.8#

