

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL038004.D
 Acq On : 10 Nov 2021 7:18
 Operator : SY/AP
 Sample : M4598-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 356-3DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 07:50:14 2021

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 9 07:50:14 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	5.668	49	1457330	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	4199860	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	3549719	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2400735	9.304	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.000%
Target Compounds					Qvalue	
3) Chlorodifluoromethane	2.993	51	909684m	3.353	ppbv	
9) Propene	3.018	41	165402	1.700	ppbv	95
13) Ethanol	3.626	45	46446m	4.733	ppbv	
15) Acetone	3.858	43	253940	2.109	ppbv #	42
16) 1,3-Butadiene	3.314	39	202645m	2.136	ppbv	
17) tert-Butyl alcohol	4.317	59	22752m	0.182	ppbv	
20) Methylene Chloride	4.343	84	40742m	0.616	ppbv	
22) trans-1,2-Dichloroethene	4.887	96	119838	1.644	ppbv	96
26) Hexane	5.684	57	44478	0.262	ppbv #	48
31) cis-1,2-Dichloroethene	5.559	61	25828m	0.167	ppbv	
34) 2-Butanone	5.253	43	722624	4.643	ppbv	99
38) Trichloroethene	7.835	130	639102	4.502	ppbv	98
51) 2-Hexanone	10.150	43	49550m	0.575	ppbv	
52) Tetrachloroethene	11.221	164	1869249	14.407	ppbv	96
53) Toluene	9.806	91	194873	0.531	ppbv	98
58) Ethyl Benzene	12.703	91	60246m	0.139	ppbv	
59) m/p-Xylene	12.963	91	229740m	0.595	ppbv	
60) o-Xylene	13.684	91	78419	0.216	ppbv	100
74) 1,2,4-Trimethylbenzene	16.757	105	75631m	0.185	ppbv	

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

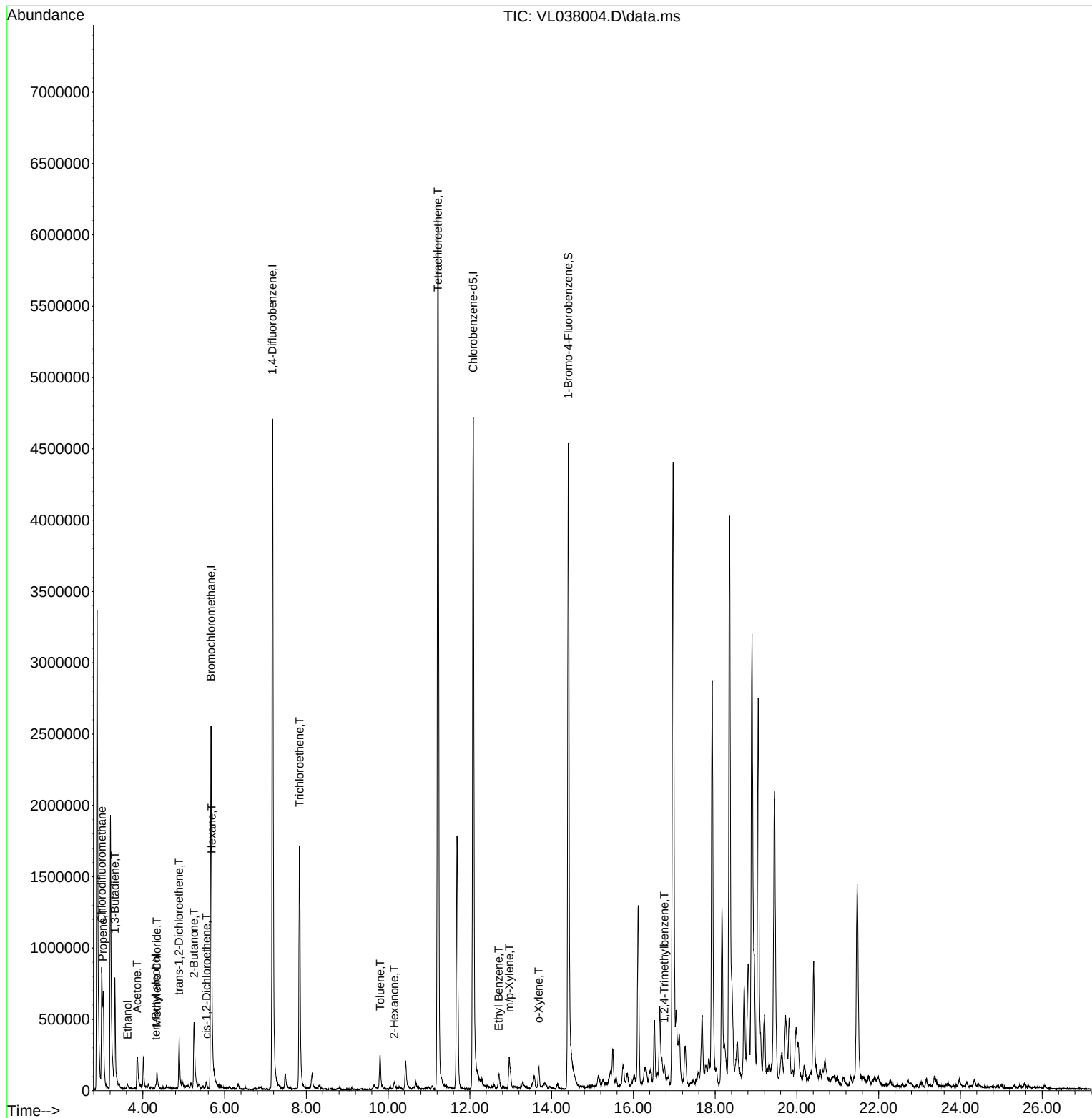
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
Data File : VL038004.D
Acq On : 10 Nov 2021 7:18
Operator : SY/AP
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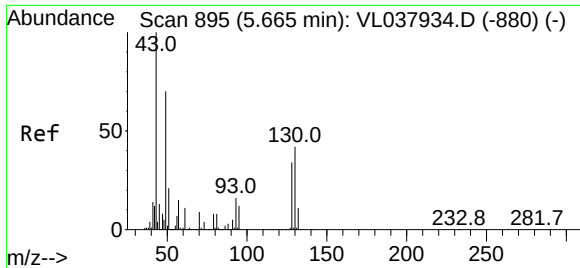
Instrument :
MSVOA_L
ClientSampleId :
356-3DL

Quant Time: Nov 10 07:50:14 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

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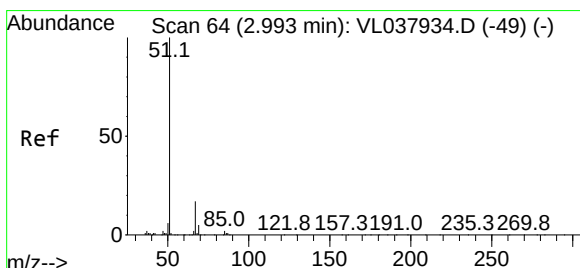
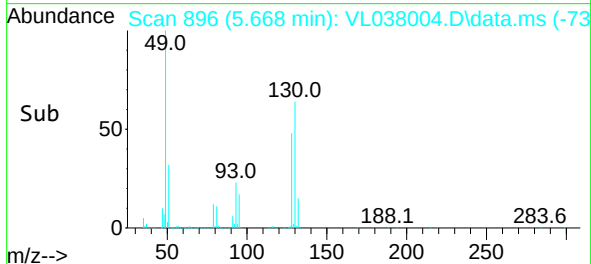
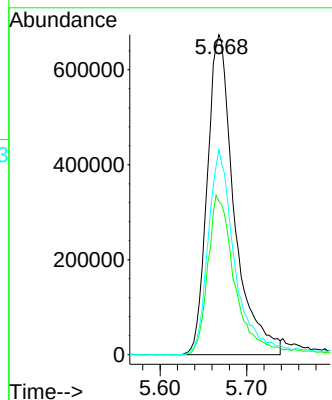
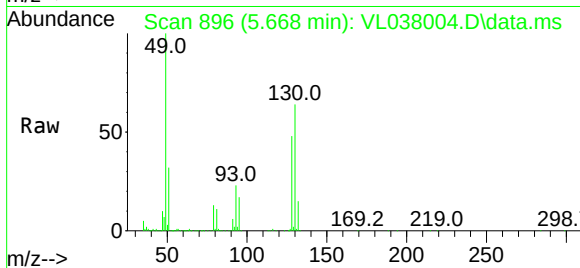
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 895
Delta R.T. 0.003 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

Instrument :
MSVOA_L
ClientSampleId :
356-3DL

Tgt Ion: 49 Resp: 1457330
Ion Ratio Lower Upper
49 100
128 52.1 27.0 81.0
130 66.7 33.4 100.2

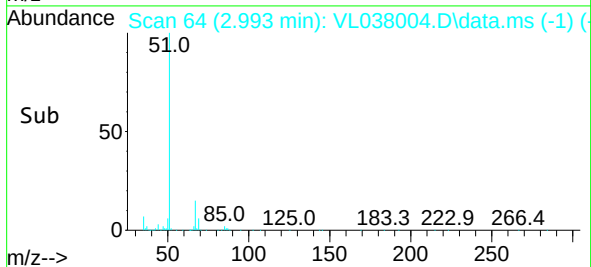
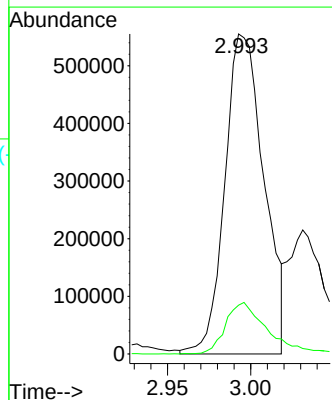
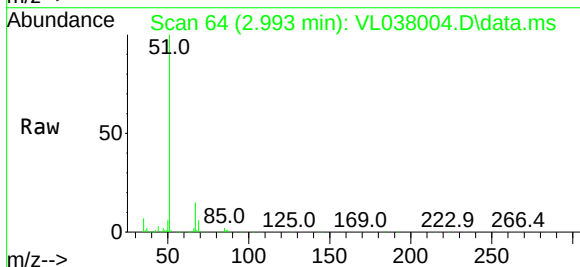
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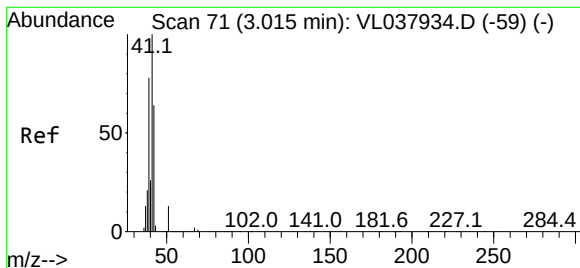
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#3
Chlorodifluoromethane
Concen: 3.353 ppbv m
RT: 2.993 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

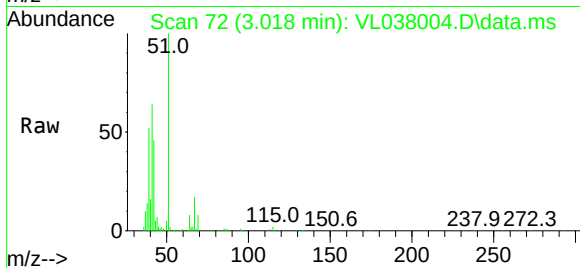
Tgt Ion: 51 Resp: 909684
Ion Ratio Lower Upper
51 100
67 18.0 13.4 20.0





#9
 Propene
 Concen: 1.700 ppbv
 RT: 3.018 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL038004.D
 Acq: 10 Nov 2021 7:18

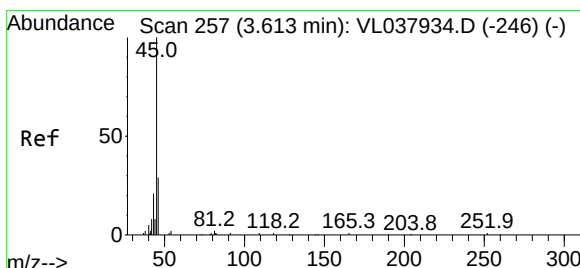
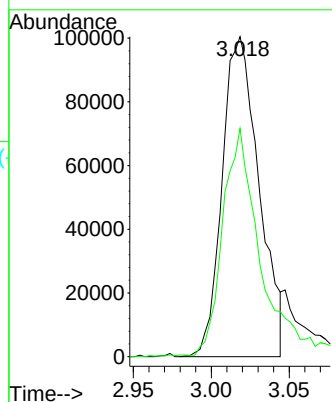
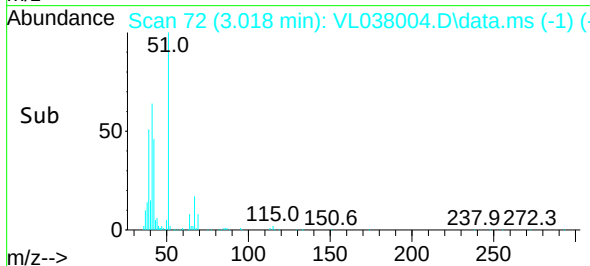
Instrument :
 MSVOA_L
 ClientSampleId :
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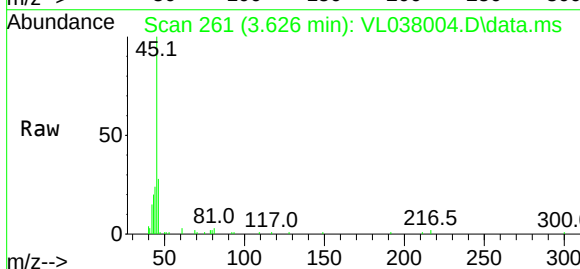
Tgt Ion: 41 Resp: 16540
 Ion Ratio Lower Upper
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 42 76.0 57.6 86.4

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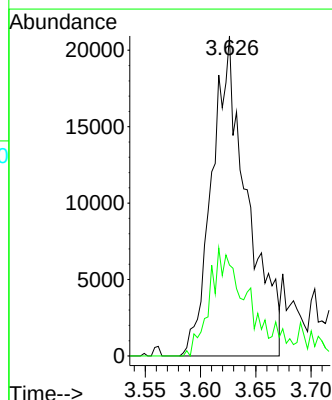
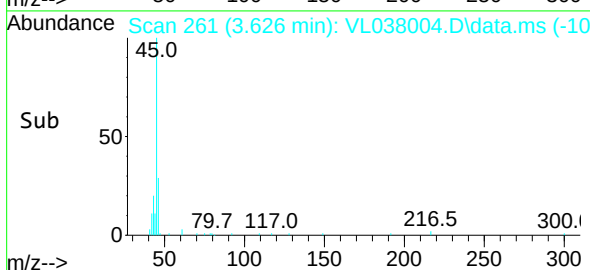
Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

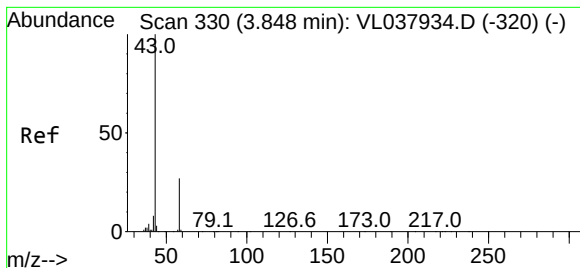


#13
 Ethanol
 Concen: 4.733 ppbv m
 RT: 3.626 min Scan# 261
 Delta R.T. 0.013 min
 Lab File: VL038004.D
 Acq: 10 Nov 2021 7:18



Tgt Ion: 45 Resp: 46446
 Ion Ratio Lower Upper
 45 100
 46 41.4 17.4 69.8





#15

Acetone

Concen: 2.109 ppbv

RT: 3.858 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL038004.D

Acq: 10 Nov 2021 7:18

Instrument :

MSVOA_L

ClientSampleId :

356-3DL

Tgt Ion: 43 Resp: 253940

Ion Ratio Lower Upper

43 100

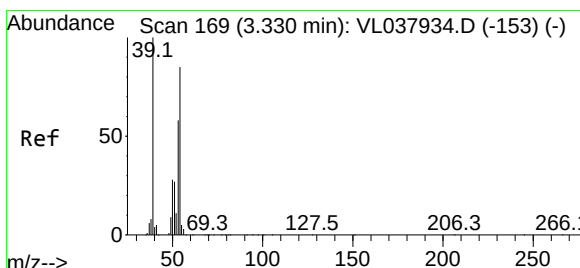
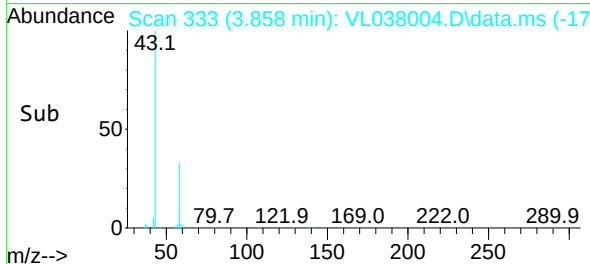
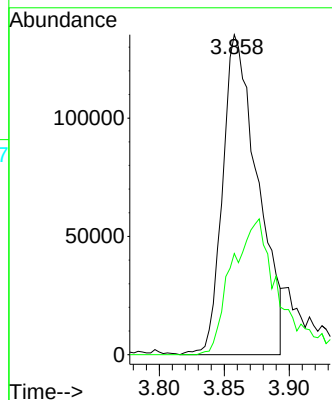
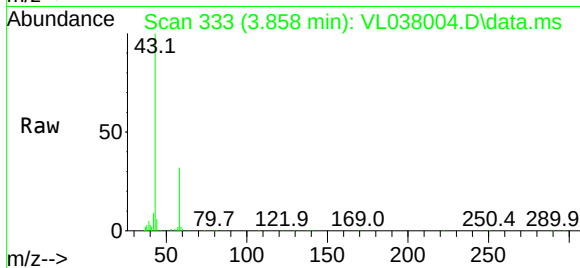
58 60.2 23.3 34.9

Manual Integrations

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#16

1,3-Butadiene

Concen: 2.136 ppbv m

RT: 3.314 min Scan# 164

Delta R.T. -0.016 min

Lab File: VL038004.D

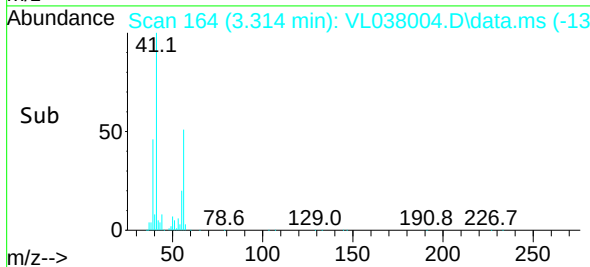
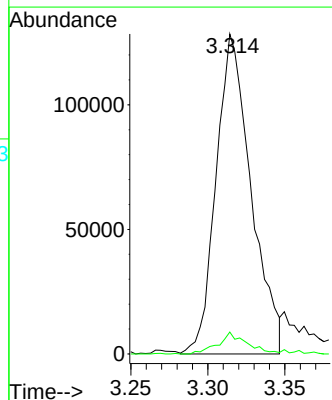
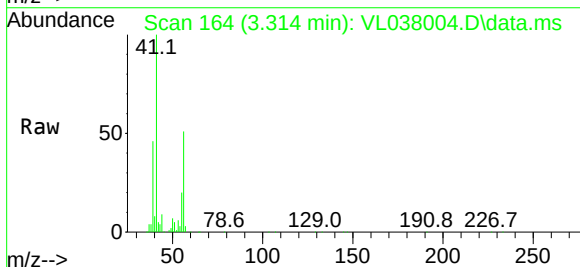
Acq: 10 Nov 2021 7:18

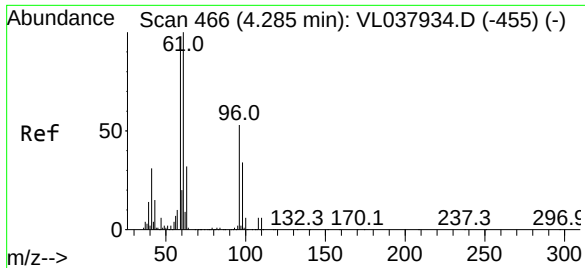
Tgt Ion: 39 Resp: 202645

Ion Ratio Lower Upper

39 100

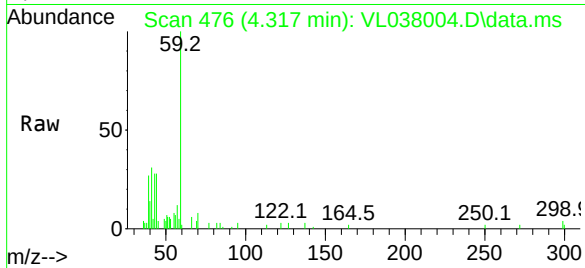
54 0.0 62.6 93.8





#17
tert-Butyl alcohol
Concen: 0.182 ppbv m
RT: 4.317 min Scan# 41
Delta R.T. 0.032 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

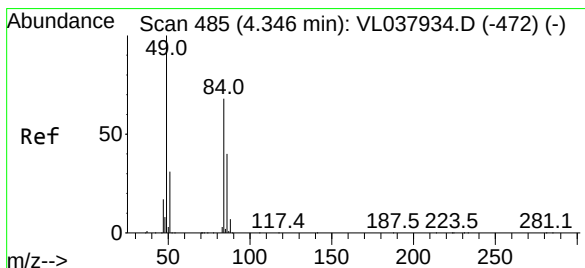
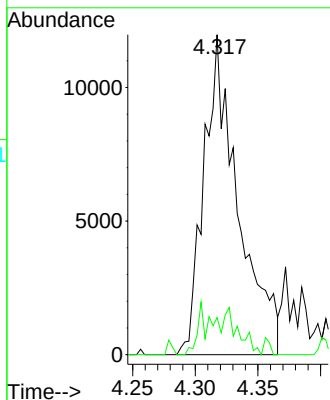
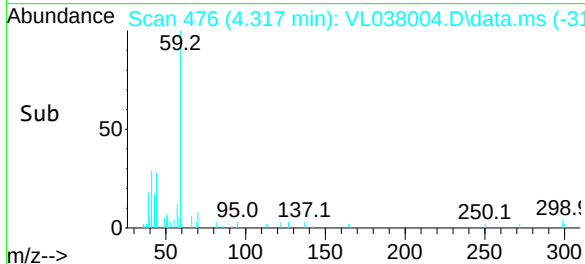
Instrument :
MSVOA_L
ClientSampleId :
356-3DL



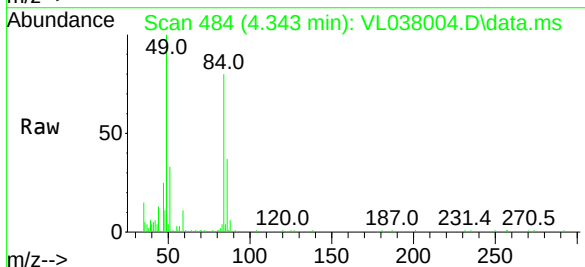
Tgt Ion: 59 Resp: 2275
Ion Ratio Lower Upper
59 100
57 14.4 8.9 13.3

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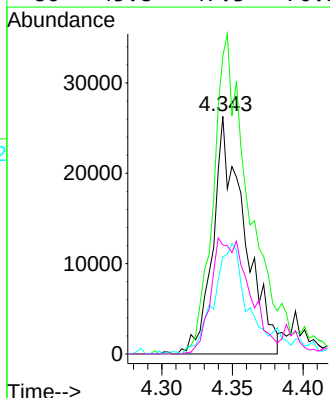
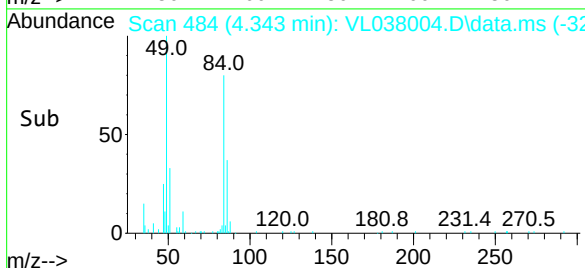
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Supervised By :Mahesh Dadoda 11/17/2021

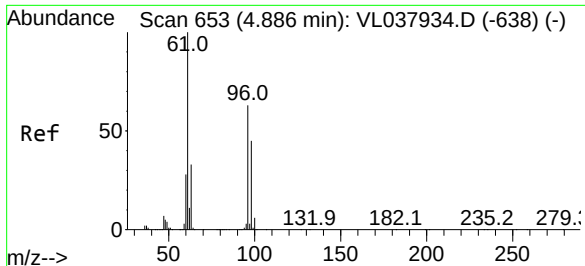


#20
Methylene Chloride
Concen: 0.616 ppbv m
RT: 4.343 min Scan# 484
Delta R.T. -0.003 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18



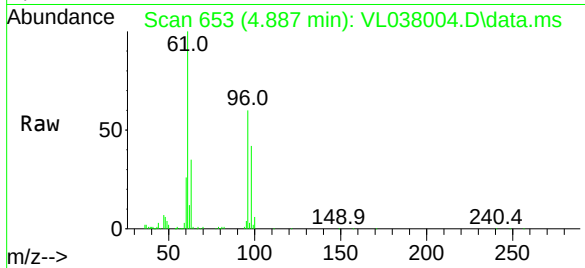
Tgt Ion: 84 Resp: 40742
Ion Ratio Lower Upper
84 100
49 125.4 117.5 176.3
51 40.9 35.9 53.9
86 45.8 47.3 70.9





#22
trans-1,2-Dichloroethene
Concen: 1.644 ppbv
RT: 4.887 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

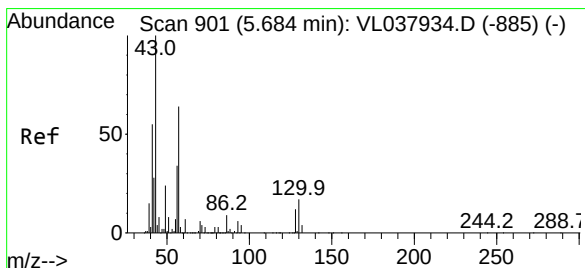
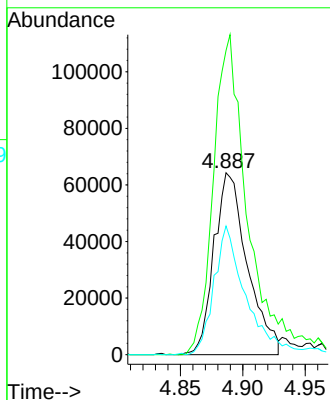
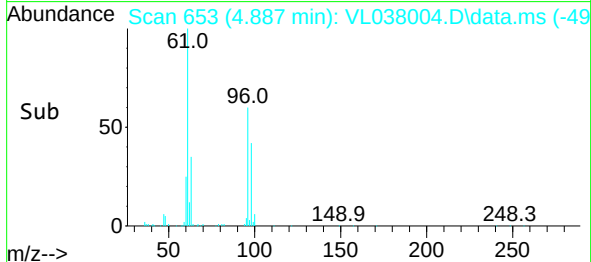
Instrument :
MSVOA_L
ClientSampleId :
356-3DL



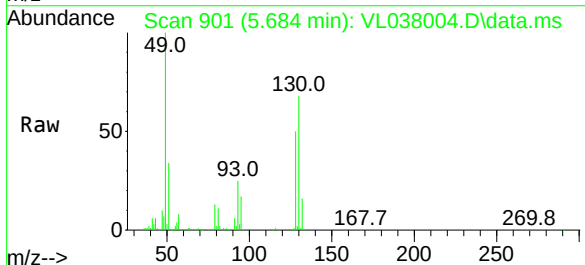
Tgt Ion: 96 Resp: 119838
Ion Ratio Lower Upper
96 100
61 167.2 127.8 191.6
98 70.4 56.9 85.3

Manual Integrations
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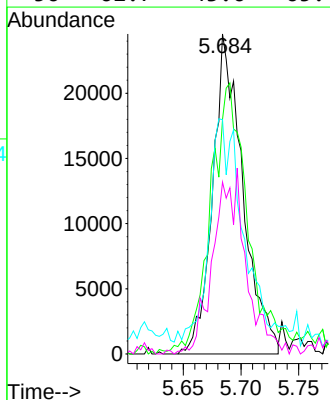
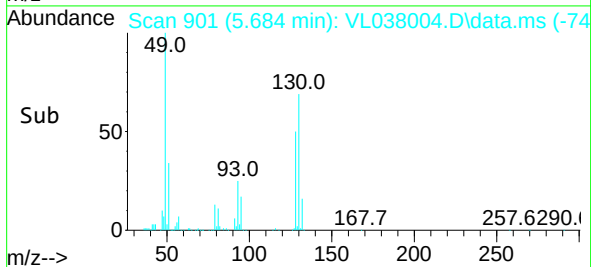
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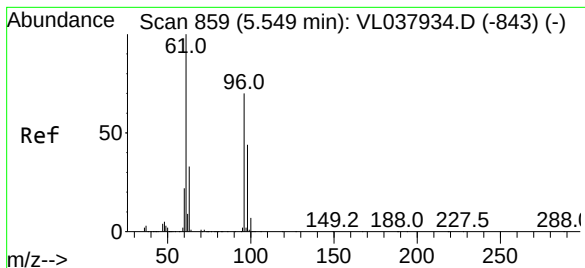


#26
Hexane
Concen: 0.262 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.000 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18



Tgt Ion: 57 Resp: 44478
Ion Ratio Lower Upper
57 100
41 110.5 71.0 106.6#
43 97.1 173.0 259.6#
56 62.7 43.6 65.4





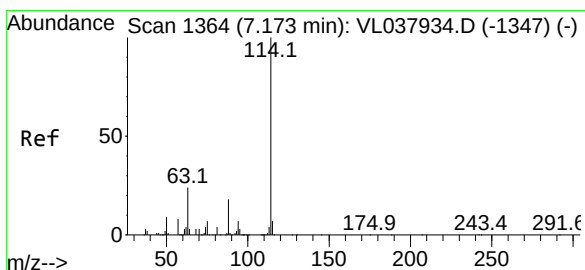
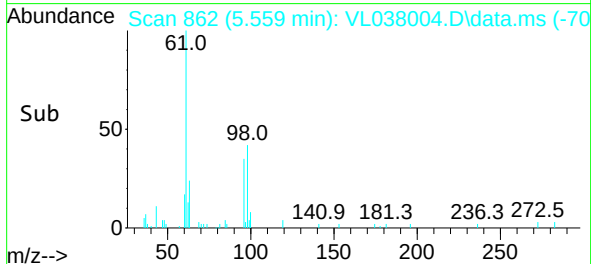
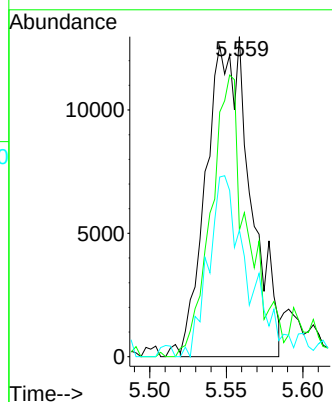
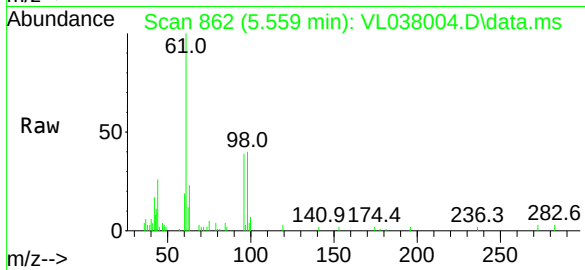
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 cis-1,2-Dichloroethene
 Concen: 0.167 ppbv m
 RT: 5.559 min Scan# 859
 Delta R.T. 0.010 min
 Lab File: VL038004.D
 Acq: 10 Nov 2021 7:18

Instrument :
 MSVOA_L
 ClientSampleId :
 356-3DL

Tgt Ion: 61 Resp: 25828
 Ion Ratio Lower Upper
 61 100
 96 39.5 55.6 83.4
 98 39.5 34.9 52.3

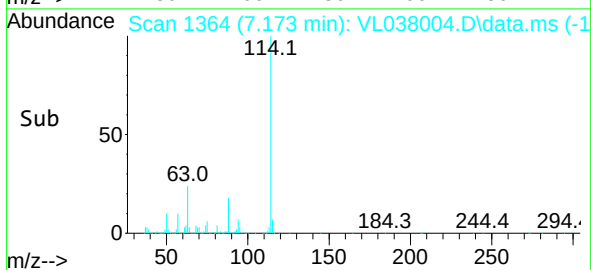
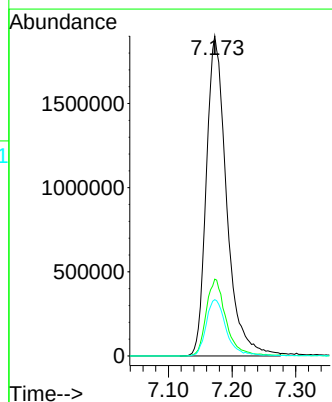
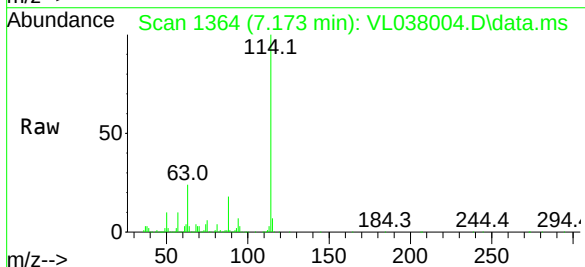
Manual Integrations
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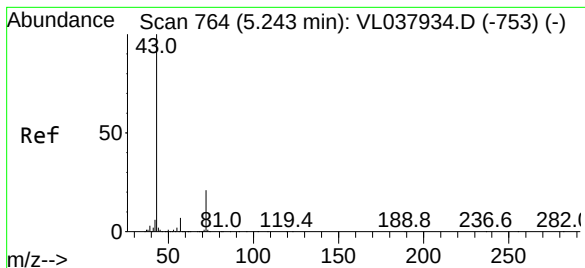
Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.173 min Scan# 1364
 Delta R.T. 0.000 min
 Lab File: VL038004.D
 Acq: 10 Nov 2021 7:18

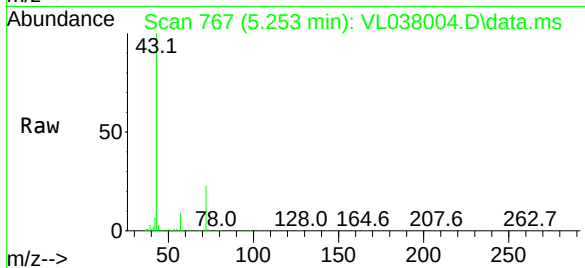
Tgt Ion:114 Resp: 4199860
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.4 29.0
 88 17.7 14.2 21.4





#34
2-Butanone
Concen: 4.643 ppbv
RT: 5.253 min Scan# 70
Delta R.T. 0.010 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

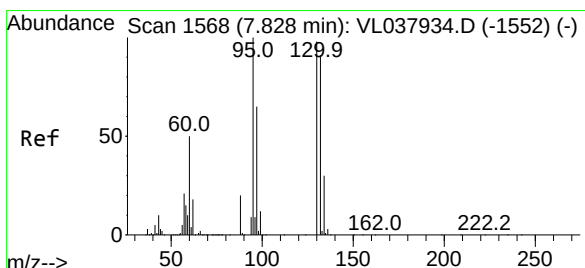
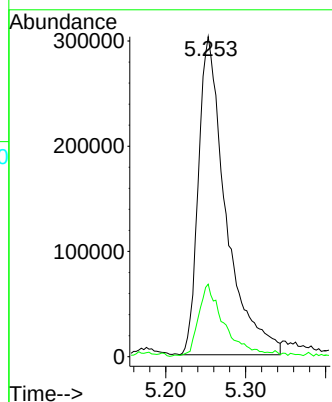
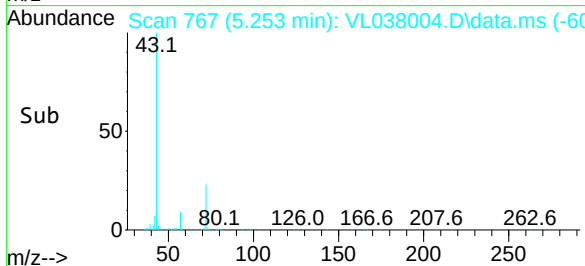
Instrument :
MSVOA_L
ClientSampleId :
356-3DL



Tgt Ion: 43 Resp: 722624
Ion Ratio Lower Upper
43 100
72 22.3 18.3 27.5

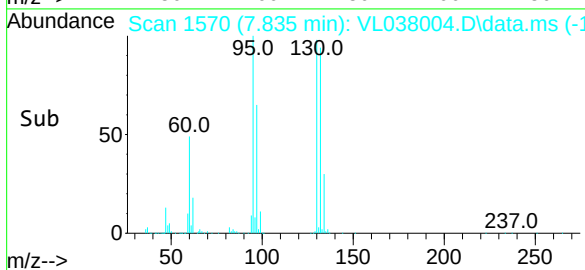
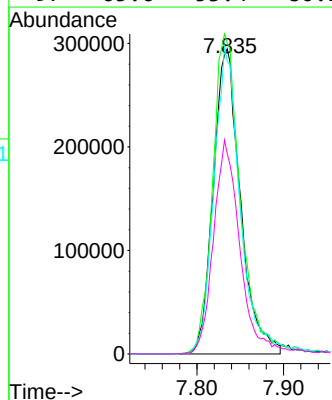
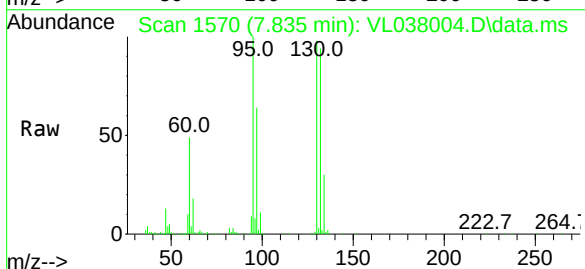
Manual Integrations
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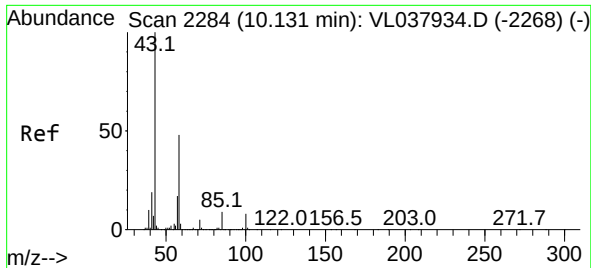
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#38
Trichloroethene
Concen: 4.502 ppbv
RT: 7.835 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

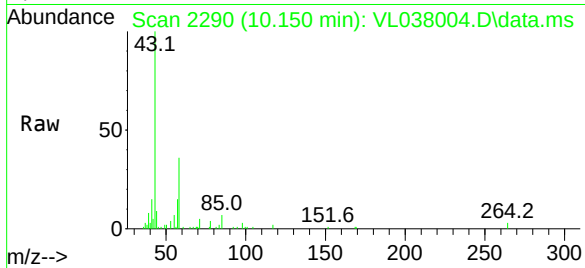
Tgt Ion:130 Resp: 639102
Ion Ratio Lower Upper
130 100
95 101.8 81.8 122.8
132 95.8 74.2 111.2
97 65.6 53.4 80.2





#51
2-Hexanone
Concen: 0.575 ppbv m
RT: 10.150 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

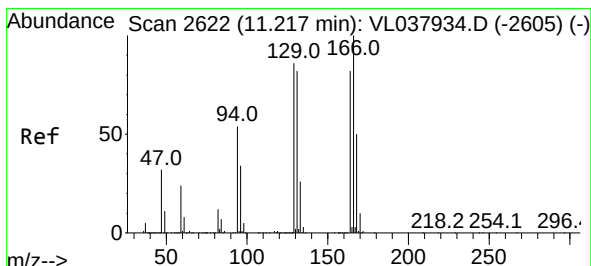
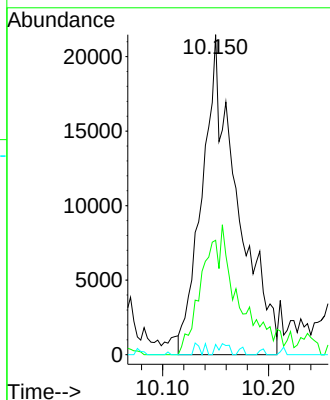
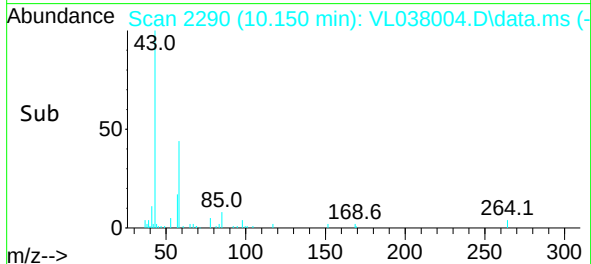
Instrument :
MSVOA_L
ClientSampleId :
356-3DL



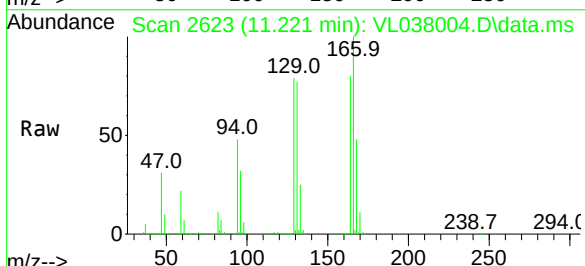
Tgt Ion: 43 Resp: 49550
Ion Ratio Lower Upper
43 100
58 0.0 38.6 57.8
98 0.9 1.0 1.4

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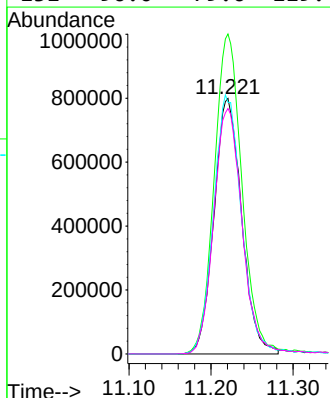
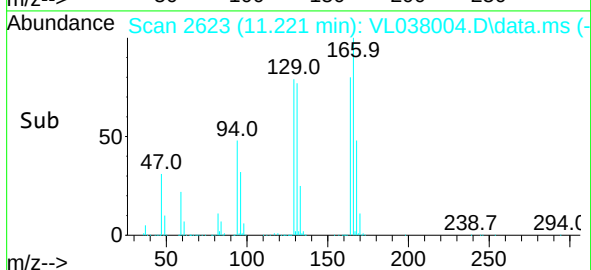
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

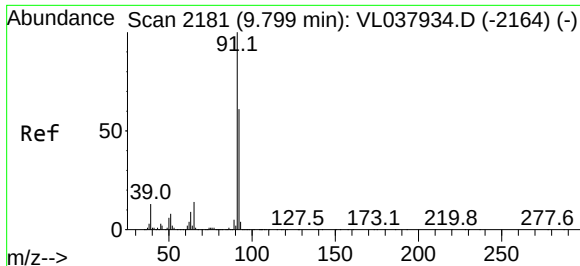


#52
Tetrachloroethene
Concen: 14.407 ppbv
RT: 11.221 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18



Tgt Ion:164 Resp: 1869249
Ion Ratio Lower Upper
164 100
166 125.3 97.6 146.4
129 98.5 84.2 126.2
131 96.0 79.6 119.4





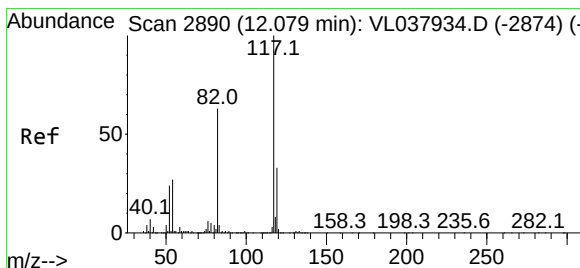
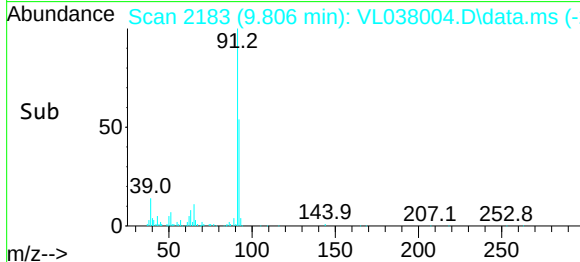
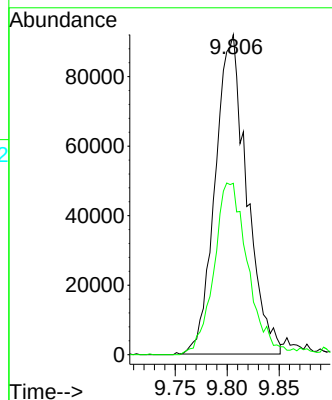
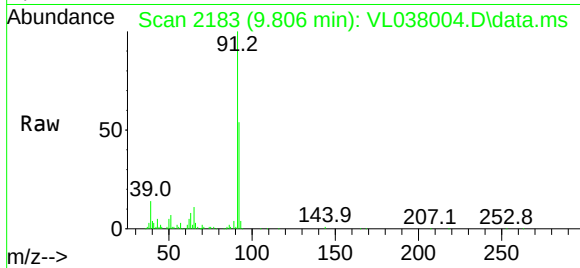
#53
Toluene
Concen: 0.531 ppbv
RT: 9.806 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

Instrument :
MSVOA_L
ClientSampleId :
356-3DL

Tgt Ion: 91 Resp: 19487
Ion Ratio Lower Upper
91 100
92 58.9 48.2 72.4

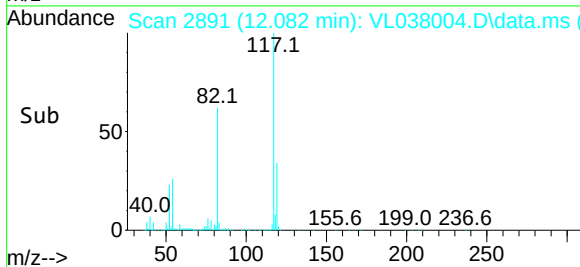
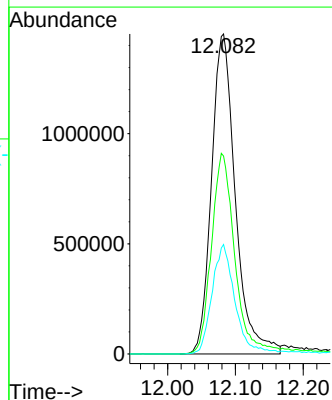
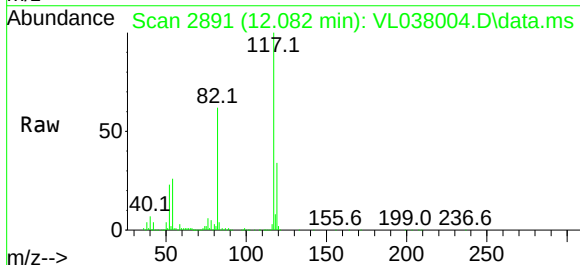
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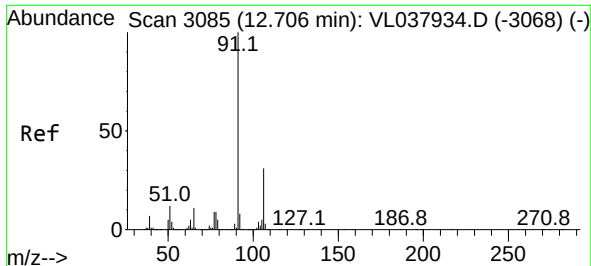
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

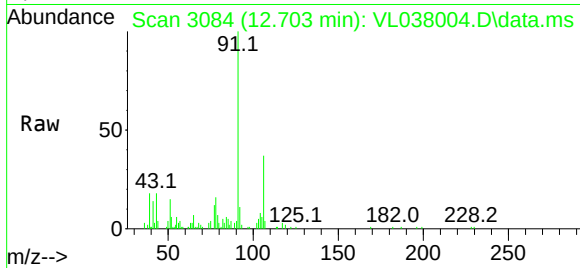
Tgt Ion:117 Resp: 3549719
Ion Ratio Lower Upper
117 100
82 64.7 51.0 76.6
119 34.2 26.9 40.3





#58
Ethyl Benzene
Concen: 0.139 ppbv m
RT: 12.703 min Scan# 3084
Delta R.T. -0.003 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

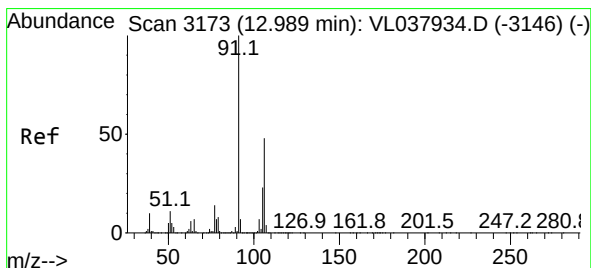
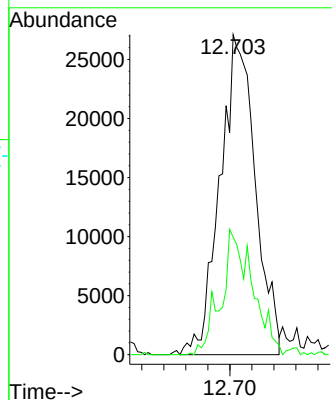
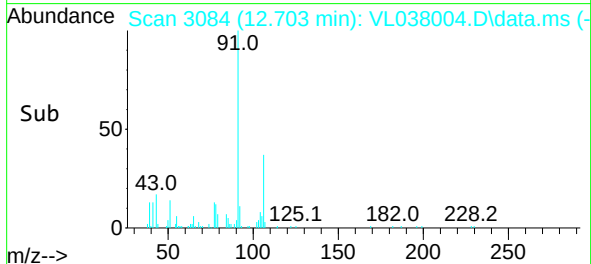
Instrument :
MSVOA_L
ClientSampleId :
356-3DL



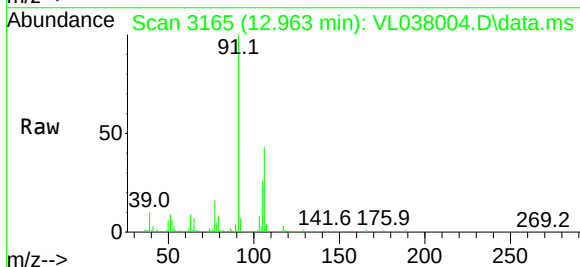
Tgt Ion: 91 Resp: 60240
Ion Ratio Lower Upper
91 100
106 36.7 25.1 37.7

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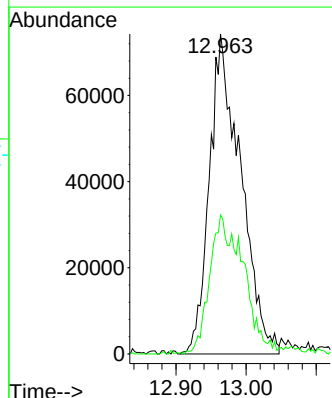
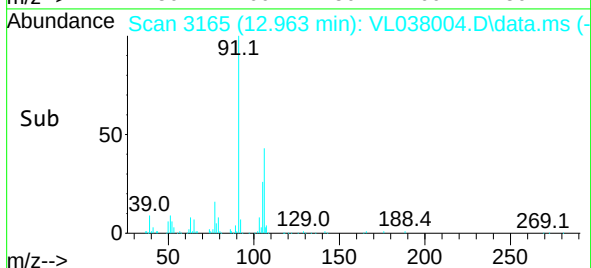
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

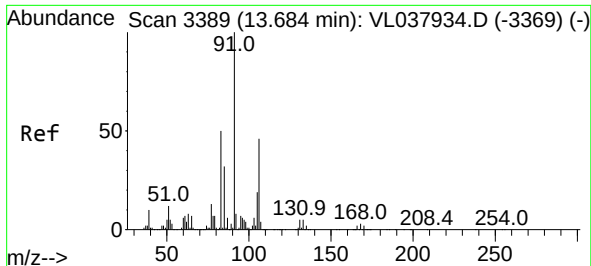


#59
m/p-Xylene
Concen: 0.595 ppbv m
RT: 12.963 min Scan# 3165
Delta R.T. -0.026 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18



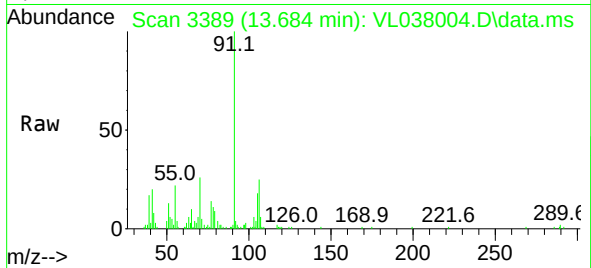
Tgt Ion: 91 Resp: 229740
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#





#60
o-Xylene
Concen: 0.216 ppbv
RT: 13.684 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18

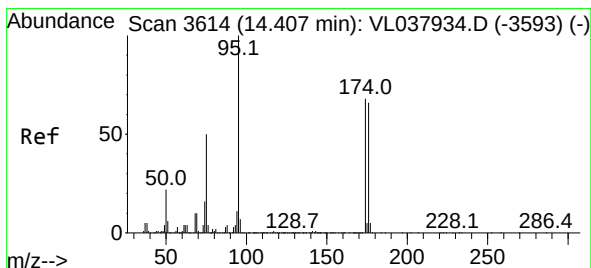
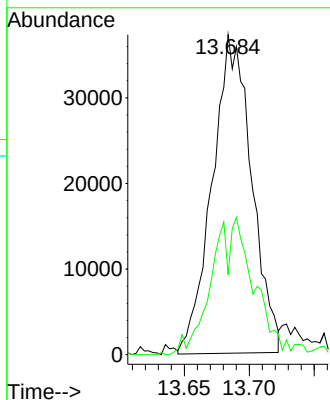
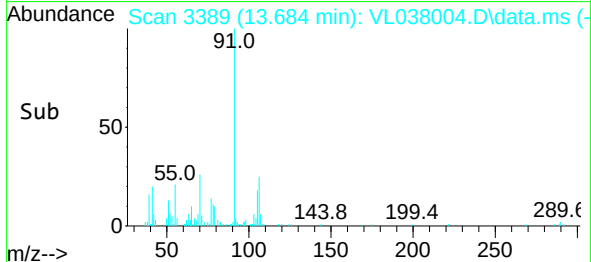
Instrument : MSVOA_L
ClientSampleId : 356-3DL



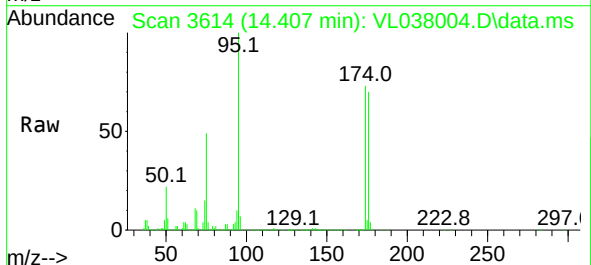
Tgt Ion: 91 Resp: 78419
Ion Ratio Lower Upper
91 100
106 47.1 23.5 70.6

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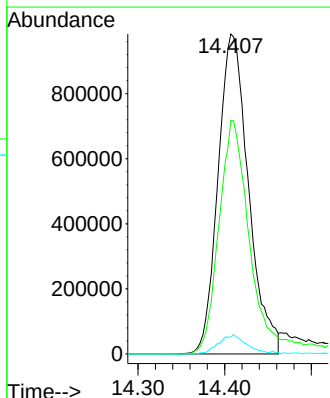
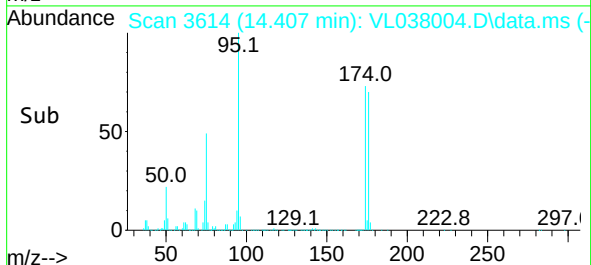
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

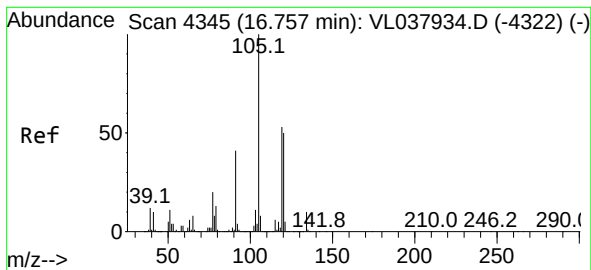


#68
1-Bromo-4-Fluorobenzene
Concen: 9.304 ppbv
RT: 14.407 min Scan# 3614
Delta R.T. 0.000 min
Lab File: VL038004.D
Acq: 10 Nov 2021 7:18



Tgt Ion: 95 Resp: 2400735
Ion Ratio Lower Upper
95 100
174 78.9 58.3 87.5
175 5.8 4.6 6.8





#74

1,2,4-Trimethylbenzene

Concen: 0.185 ppbv m

RT: 16.757 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL038004.D

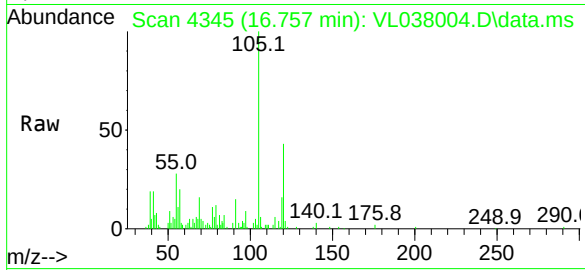
Acq: 10 Nov 2021 7:18

Instrument :

MSVOA_L

ClientSampleId :

356-3DL



Tgt Ion:	105	Resp:	7563
Ion	Ratio	Lower	Upper
105	100		
120	43.4	40.0	60.0
91	14.8	32.6	49.0
77	11.3	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021

